Appendix G-3
Preliminary Hydrology Report

April 2025

PRELIMINARY HYDROLOGY REPORT

For

Mesa Verde Estates Development Project

Calimesa, CA

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WO#: 4515-1 PHydroRpt Mesa Verde Estates

PRELIMINARY HYDROLOGY REPORT
FOR
MESA VERDE ESTATES
CITY OF CALIMESA

PREPARED BY: Ha To Chau

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04/21/25

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FOR
MESA VERDE ESTATES
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SECTION 1
DISCUSSION

A. PROJECT LOCATION

The proposed Mesa Verde Estates Development Project (Project) is in the City of Calimesa (City) in Riverside County, California. The Project Site is comprised of approximately 1,450 acres of undeveloped land, lying to the west of Interstate - 10 Freeway between Sandalwood Drive Interchange and County Line Interchange, as shown in **Figure 1 - Vicinity Map**. The Project's northern boundary is located alone Riverside County/San Bernardino County Boundary Line.

The proposed master planned development will be comprised of approximately 3,650 residential units, approximately 290 acres of commercial/industrial district, two school sites, several public and private parks, recreational facilities, and natural open spaces areas.

Figure 1 - Vicinity Map

B. PURPOSE AND SCOPE

The purpose of this hydrology study is to analyze existing condition (pre-development condition) and proposed condition (post-development condition) for 100-year frequency storm flows generated from the project site, and from off-site areas that drain through the project site.

The calculated values of the 100-year flows and volumes will be used to develop preliminary sizing of drainage facilities needed to provide on-site flood protection, and to mitigate development impacts by reducing post-project flows exiting the Project to be equal to or less than that under pre-project conditions.

The scope of this study includes the following:

- Provide hydrologic calculations to quantify flow rates and volume of runoff generated from the project site for pre-development and post-development conditions.
- Provide preliminary layout and sizing of drainage facilities needed for collection, conveyance, and detention of post-development flows generated on-site to less than pre-development conditions.
- Provide basin routing calculations for a post-project condition to show that the Project meets flood control and hydromodification requirements.

C. PRE-DEVELOPMENT CONDITION

As shown in **Figure 2 - Pre-Development Site**, under present conditions the Project site is made up of mostly undeveloped terrain with natural watercourses, valleys and hilly areas generally draining towards the west.

Drainage generated from the Project site tends to flow either in the southwesterly or the northwesterly directions. Areas draining towards the southwest drain directly into San Timoteo Creek, and areas draining towards the northwest drain directly into Yucaipa Creek. Yucaipa Creek is ultimately tributary to San Timoteo Creek and drains directly into San Timoteo Creek further west of the Project site.

The Interstate 10 Freeway (I-10) forms the easterly drainage boundary of the Project site. There are three existing culverts under I-10 in the vicinity of the Project. Off-site drainage areas tributary to the three existing culverts have been studied in a report entitled City of Calimesa Master Flood Control and Drainage Plan (Calimesa Master Plan), dated July 16, 1992. A copy of hydrology map from this report is available in Section 5– References.

Going from north to south, the 100-year peak flows tributary to the three culverts are 1,832 cfs, 624 cfs, and 1,624 respectively, based on the Calimesa Master Plan study. Discharges from the two northerly culverts drain to natural watercourses that traverse across the Project site in the southwest direction. Discharge from the third southerly culvert drains to a natural watercourse that runs adjacent to the southerly boundary of the Project.

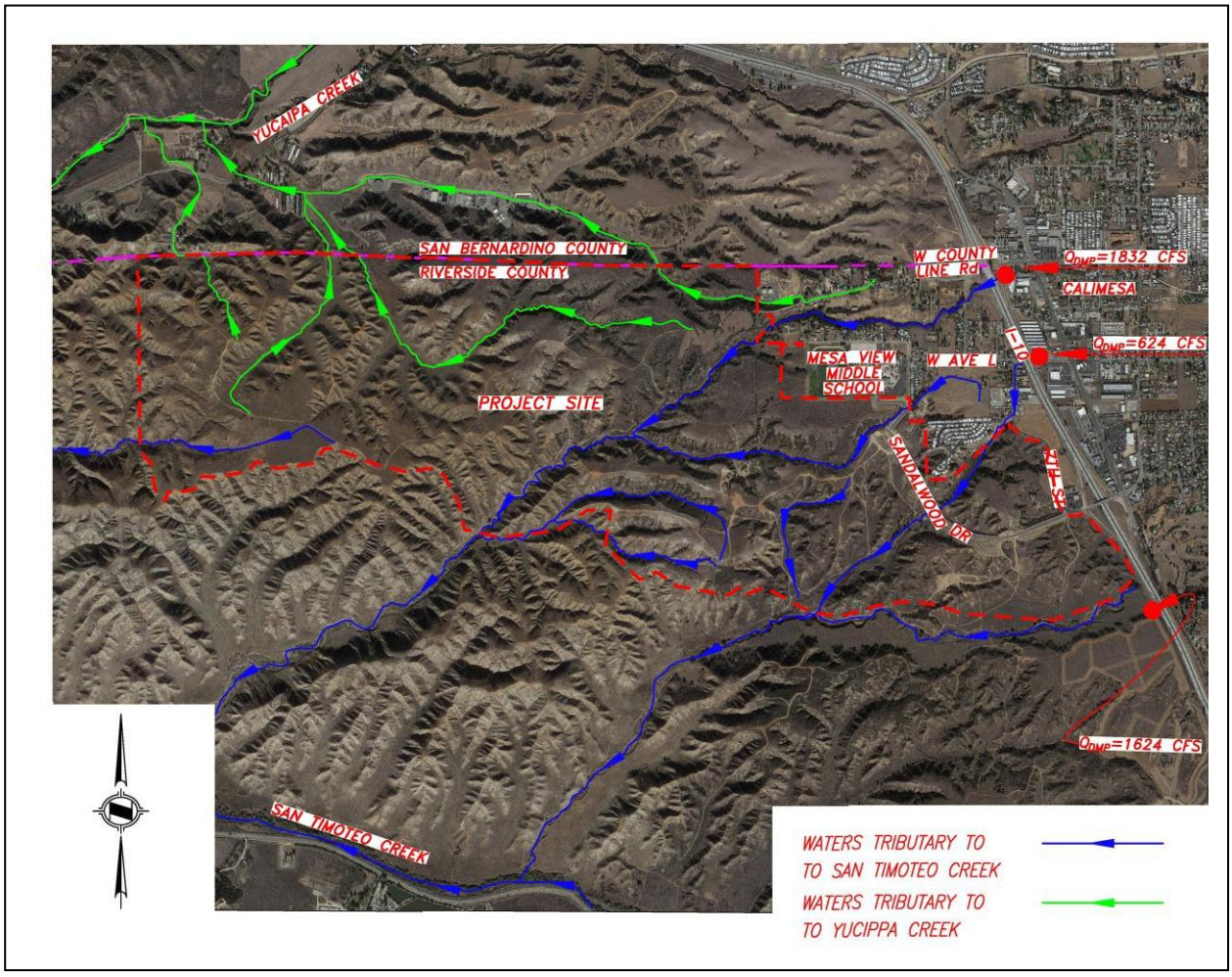

Figure 2. Pre-Development Site

D. POST-DEVELOPMENT CONDITION

The project proposes to develop the Project Site into approximately 3,650 residential units, a commercial/industrial district, two school sites, several parks, recreational facilities, and natural open spaces areas.

Preliminary layout and locations of the proposed storm drain systems and detention basins are shown on **Figure 3- Post-Development Site**. Drainage from the Project site will be collected and conveyed via proposed storm drain systems to 13 detention basins, identified as Basin 1 thru Basin 13 in this report.

The proposed storm drain systems will be designed to convey the 100-year peak flows generated on the Project Site to the proposed basins. The detention basins will reduce

peak flows discharged to existing drainage watercourses downstream of the Project site to equal to or less than the peak flows during pre-development condition.

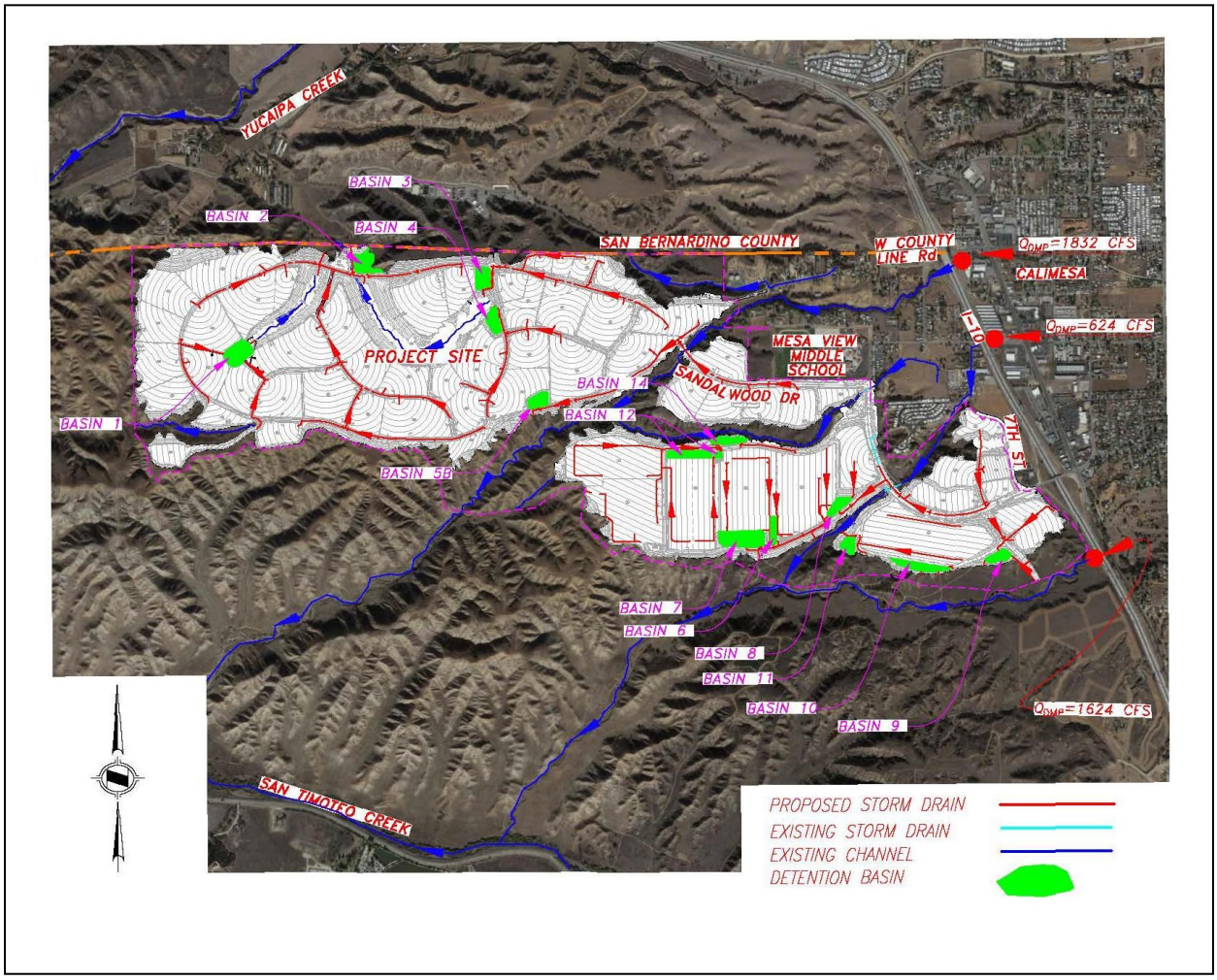

Figure 3. Post-Development Site

E. METHODOLOGY

The methodology used for this hydrology study is based on the Riverside County Flood Control and Water Conservation District's (RCFC&WCD) Hydrology Manual dated April 1976. The hydrology and hydraulic software utilized are accepted by the RCFC&WCD which include the following:

Unit Hydrograph:	Hydrology – Riverside County – Civil Design Software - Version 9.0.
Basin Routing:	Hydrograph Routing – Civil Design Software - Version 9.0.

Hydrologic Soil Groups for the Project Site and areas hydrologically tributary to the Project Site were based on the soil information shown on Plates C-1.06 & C-1.18 of the Hydrology Manual. The Plates C-1.06 & C-1.18 show that the Project Site has soils classified in Hydrologic Soil Group A, B, C, and D with C and D soils being the most prominent. The Soil Group information from the Hydrology Manual is shown on the Hydrology Maps included in this report. A copy of Plates C-1.06 & C-1.18 is provided in Section 5– References.

Land use, % imperviousness, and runoff index numbers for the pre-development and the post-development conditions used in the hydrological calculations are based on the standard land use, imperviousness, and runoff index numbers provided on Plates D-5.5 and D-5.6 in the Hydrology Manual.

The Unit Hydrograph Method as outlined in Hydrology Manual was used to calculate pre-development condition and post-development condition 100-year peak flows generated on the Project Site and were used to size all detention basin and storm drain facilities.

Please note that this report does not include any hydrology calculations for the Off-site Drainage Areas lying to the east of I-10 I Freeway. Peak flows from these off-site tributary areas, based on the 1992 Calimesa Master Plan, were used as baseflow that was added to the on-site flows for the hydraulic evaluation of the impacted watercourses traversing through the Project site. A HEC-RAS flood analysis of the natural channels that includes both the project area flows and the off-site flows from the three tributary areas west of I-10 Freeway is included in a separate study.

F. HYDROLOGIC RESULTS

UNIT HYDROGRAPH METHOD ANALISYS

Pre-Development Condition

The peak flow rates and runoff volumes generated from the Project Site were calculated using the Unit Hydrograph Method. The Unit Hydrograph Method calculations were performed based on the methods outlined in the Hydrology Manual.

The drainage areas were delineated based on the Pre-Development topography. The delineation resulted in the development of 10 separate drainage areas that are labeled Area 1 thru Area 10 in this report. Each drainage area is tributary to a single discharge location (aka Collection Point). These collection points are referred to as CP1 through CP10 in this report. The drainage areas and collection points are shown in the following **Figure 4- Drainage Areas (Pre-Development Condition).**

Note that Areas 5A and 5B have been combined for analysis in the report and referred to as Area 5 in the calculations. Areas 5A and 5B are hydrologically connected by a natural watercourse. Flows generated from the Mesa View Middle School flows south within street cross-section of Sandalwood Drive/Mustang Way, crossing the drainage divide between Areas 5A and 5B on an existing bridge, draining to Area 10.

A Hydrology Map for Pre-Development Condition is available in Section 2 – Pre-Development Condition Hydrology Unit Hydrograph Analysis.

Precipitation values used in the development of the unit hydrographs for the and Pre-Development condition for the Project site were obtained from Plates D-4.3, D-4.4, and Plates E-5.2 – E-5.6 of the Hydrology Manual. A copy of these Plates is included in Section 5 – References.

Lag time, area average mean soil loss rate (F), minimum soil loss rate (Fm) and low loss rate (F*) where developed using procedures shown on Plate E-1.1 of the Hydrology Manual and calculated within the Civil Design Software program.

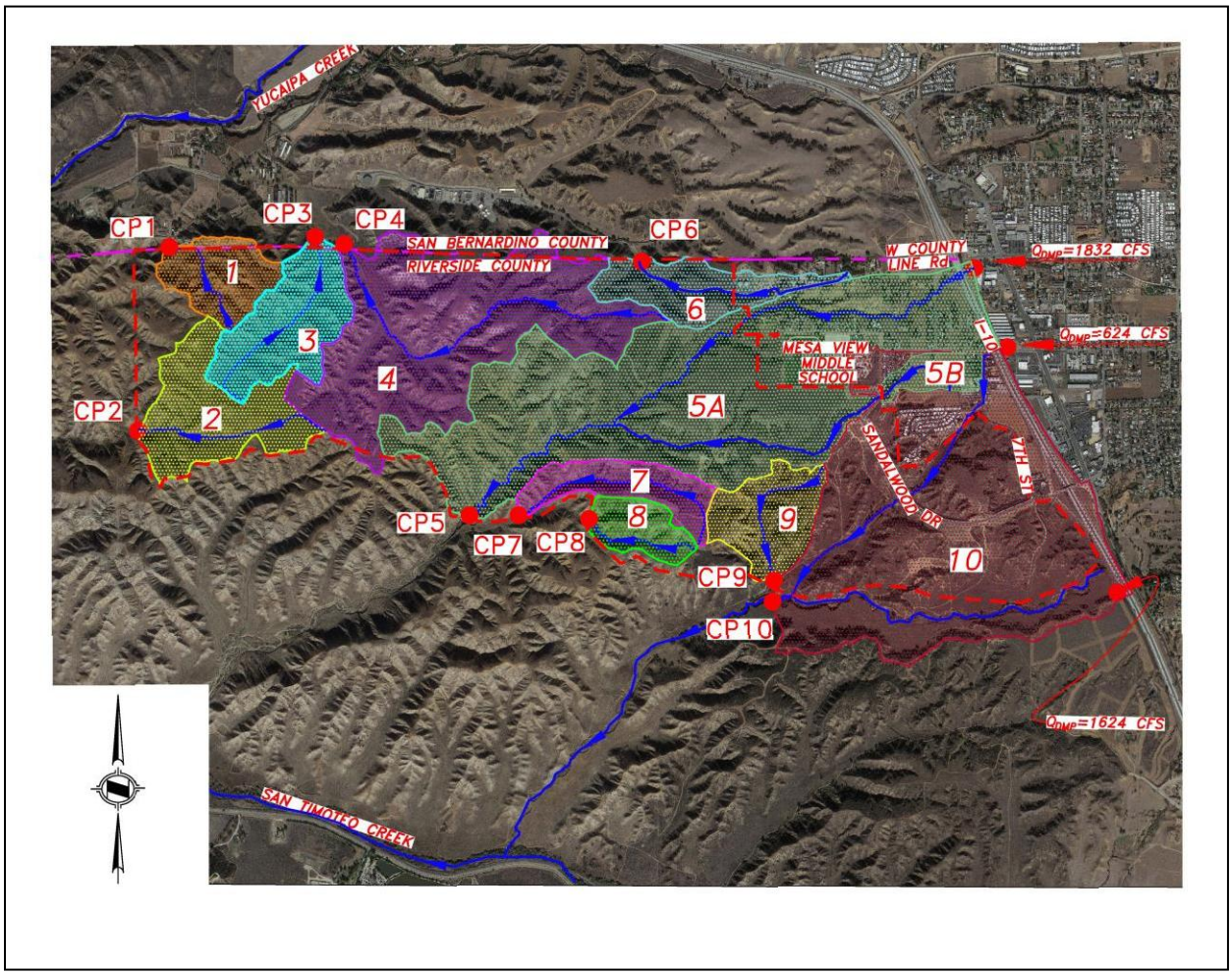

Figure 4- Drainage Areas (Pre-Development Project Condition)

The results of the Unit Hydrograph calculations for the Project in the Pre-Development Condition are summarized in the following table:

Table 1. Unit Hydrographs Analysis Results 100-Year Storm (AMC II) Pre-Development Condition

Collection Points	Tributary Drainage Areas	Acreage (acres)	Peak Flows in cfs for each Storm Duration		
			3-hr Storm	6-hr Storm	24-hr Storm
CP1	1	53.63	71	64	26
CP2	2	100.31	130	119	58
CP3	3	90.36	119	109	53
CP4	4	295.45	334	304	169
CP5	5A + 5B	531.45	501*	464*	275*
CP6	6	65.47	96	87	40
CP7	7	54.48	73	65	34
CP8	8	33.90	50	46	22
CP9	9	65.78	91	84	39
CP10	10	512.41	591*	546*	291*

*Flow Rates do not include additional offsite flows from areas east of I-10 per Calimesa Mater Plan.

Post-Development Condition

The Post Project peak flows for the Project Site and the areas tributary to the Project Site were calculated using the Unit Hydrograph Method.

The on-site drainage areas and off-site drainage areas tributary to the Project Site were delineated based on the preliminary grading of the proposed development. The delineation resulted in the development of 10 major drainage areas which in turn have been subdivided into a total of 30 sub-areas. The major drainage areas are denoted with a number 1 through 10 and the subareas are denoted with a letter. Each major drainage area is tributary to a single collection point. These collection points are referred to as CP1-CP10 in this report and are the same collection points as defined for the pre-development condition analysis. The drainage areas and collection points are shown in the following Figure 5.

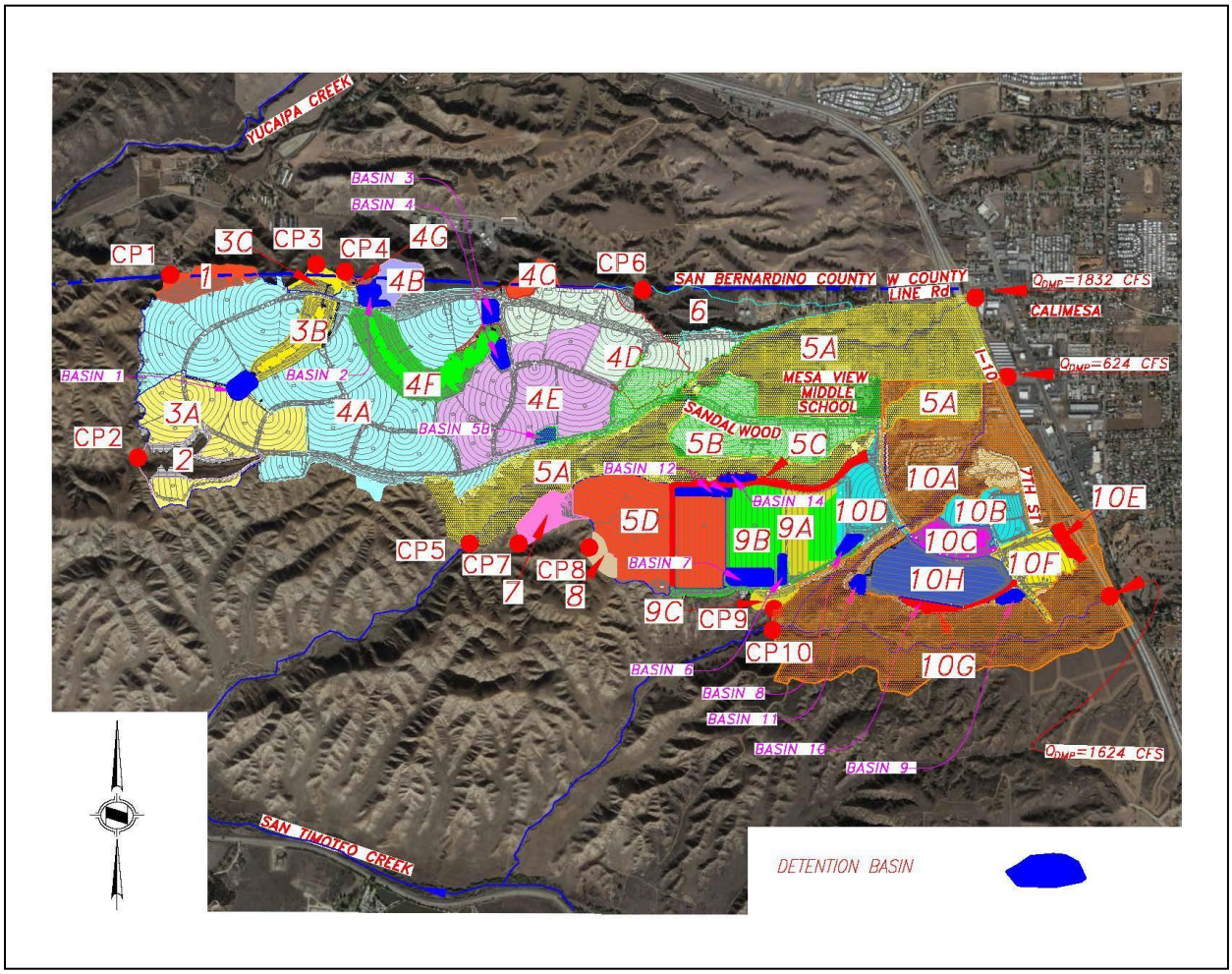

Figure 5. Drainage Areas (Post-Development Condition)

A Hydrology Map of Project for Post-Development Condition is included in Section 3 – Post-Development Condition Hydrology Unit Hydrograph Analysis.

Precipitation values used in the development of the unit hydrographs were obtained from the Hydrology Manuel.

Lag time, area average mean soil loss rate (F), minimum soil loss rate (Fm) and low loss rate (F*) where developed using procedures shown on Plate E-1.1 of the Hydrology Manual and calculated within the Civil Design Software program.

The results of the Unit Hydrograph calculations for the Project in the Post-Development Condition are summarized in the following table:

Table 2. Unit Hydrographs Analysis Results 100-Year Storm Proposed Condition

Collection Points	Tributary Drainage Areas	Acreage (acres)	Peak Flows in cfs for each Storm Duration		
			3-hr Storm	6-hr Storm	24-hr Storm
CP1	1	16.47	20	17	6
CP2	2	24.04	35	32	15
CP3	3A	82.99	137	124	61
	3B	20.72	30	27	12
	3C	7.70	11	10	4
	Subtotal CP3	***111.41***	***178***	***161***	***77***
CP4	4A	275.54	455	419	212
	4B	15.18	23	22	9
	4C	7.76	12	11	5
	4D	87.40	147	135	69
	4E	108.93	186	170	86
	4F	45.41	61	56	27
	4G	1.56	2	2	1
	Subtotal CP4	***541.78***	***886***	***815***	***409***
CP5	5A	304.88	282	260	155
	5B	106.64	168	156	80
	5C	15.02	26	24	12
	5D	95.35	160	148	74
	Subtotal CP5	***521.89***	***636****	***588****	***321****
CP6	6	44.34	67	59	27
CP7	7	13.38	21	18	8
CP8	8B	5.30	9	8	3
CP9	9A	20.58	35	33	16
	9B	59.91	103	92	48
	9C	5.38	8	7	3
	Subtotal CP9	***85.87***	***146***	***132***	***67***
CP10	10A	329.98	377	345	186
	10B	23.61	38	35	15
	10C	18.70	30	28	13
	10D	30.06	51	48	23
	10E	3.91	6	6	2
	10F	27.52	48	45	21
	10G	4.58	8	7	3
	10H	48.31	83	74	38
	Subtotal CP10	***486.67***	***641****	***588****	***301****

*Flow Rates do not include additional offsite flows from areas east of I-10 per Calimesa Mater Plan.

G. FLOOD MITIGATION

Basin Flood Routing

Based on the results of Unit Hydrograph Method Analysis, the un-detained peak flow rates to collections points CP3, CP4, CP5, CP9 and CP10 increased from Pre-Development Condition to Post-Development Condition. However, the peak flow rates to CP1, CP2, CP6, CP7, and CP8 decrease from Pre-Development Condition to Post-Development Condition. Therefore, drainage areas 1, 2, 6, 7, and 8 do not require detention basins.

To mitigate the increase flow from Pre-Development to Post-Development conditions for the drainage areas tributary to the collection point with increased peak flows from Pre-Development to Post-Development conditions, the project proposes to construct 13 detention basins.

The 100-year post-development condition unit hydrographs for 3-hr, 6-hr and 24hr storms for each sub-area were routed through each proposed basin and routed to the final collection point using the Civil Design Software routing module for unit hydrograph routing. The results of the routing calculations are summarized in the following table:

Table 3. Summary of Detention Basin and Hydrograph Routing Results
Post-Development Condition
100-year Storm

Collection Points	Tributary Detention Basin #	Tributary Drainage Area Names	Peak Flows in cfs for each Storm Duration		
			3-hr Storm	6-hr Storm	24-hr Storm
CP3	1	3A, 3B, 3C	43	60	51
CP4	2, 3, 4	4A, 4B, 4C, 4D, 4E, 4F, 4G	89	166	166
CP5	5B,12, & 14	5A, 5B, 5C, 5D	299	315	267
CP9	6 & 7	9A, 9B, 9C	11	37	36
CP10	8, 9, 10, 11	10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H	396	388	263

A flow chart detailing the hydrologic connectivity of the post-development drainage areas to the proposed basins and downstream collection points are available in **Section 4 – Basin Routing Calculations**.

J. CONCLUSION

The proposed storm drain systems and detention basins will provide adequate flood control protection to the proposed development and will mitigate drainage impacts due to the proposed development.

The following table shows that peak flows tributary to each collection point will be reduced under post-development condition.

Table 4. Summary of Results Pre-Development Condition vs Post-Development Condition

100-Year Storm (AMC II)

	Pre–Development Condition				Post–Development Condition			
CP #	Tributary Area (ac)	Peak Flows in cfs for each Storm Duration			Tributary Acreage (acers)	Peak Flows in cfs for each Storm Duration		
		3-hr Storm	6-hr Storm	24-hr Storm		3-hr Storm	6-hr Storm	24-hr Storm
CP1	53.63	71	64	26	16.47	20	17	6
CP2	100.31	130	119	58	24.04	35	32	15
CP3	90.36	119	109	53	111.41	44	61	51
CP4	295.45	334	304	169	541.78	89	166	166
CP5	531.45	501*	464*	275*	521.89	299*	315*	267*
CP6	65.47	96	87	40	44.34	67	59	27
CP7	54.48	73	65	34	13.38	21	18	8
CP8	33.90	50	46	22	5.30	9	8	3
CP9	65.78	91	84	39	85.87	11	37	36
CP10	512.41	591*	545*	291*	486.67*	396*	388*	263*

*Flow Rates do not include additional offsite flows from areas east of I-10 per Calimesa Master Plan.

SECTION 2
Pre-Development CONDITION HYDROLOGY
UNIT HYDROGRAPH METHOD ANALYSIS

DRAINAGE AREA, RUNOFF INDEX NUMBER, LAND USE, AND HYDROLOGIC SOILS GROUP SUMMARY TABLES

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 1

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	25.33
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	28.3
D	Meadows, Fair	84	0	0
			Total	53.63

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 2

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0.31
B	Meadows, Fair	70	0	46.63
C	Meadows, Fair	80	0	9.76
D	Meadows, Fair	84	0	43.61
			Total	100.31

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 3

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	27.6
C	Meadows, Fair	80	0	23.81
D	Meadows, Fair	84	0	38.95
			Total	90.36

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0.16
B	Meadows, Fair	70	0	78.54
C	Meadows, Fair	80	0	66.31
D	Meadows, Fair	84	0	150.44
			Total	295.45

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 5 (5A+5B)

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	34.12
B	Meadows, Fair	70	0	82.88
C	Meadows, Fair	80	0	196.8
D	Meadows, Fair	84	0	107.82
A	Open Space, Fair (Grass)	49	0.05	0
B	Open Space, Fair (Grass)	69	0.05	22.12
C	Open Space, Fair (Grass)	79	0.05	1.61
D	Open Space, Fair (Grass)	84	0.05	0.14
A	Commercial	89	0.9	0
B	Commercial	92	0.9	19.23
C	Commercial	94	0.9	0.59
D	Commercial	95	0.9	0.21
A	Residental (lot less 1/8 Ac)	77	0.75	0
B	Residental (lot less 1/8 Ac)	85	0.75	0.38
C	Residental (lot less 1/8 Ac)	90	0.75	0.62
D	Residental (lot less 1/8 Ac)	92	0.75	0
A	Residental (lot 1/4 Ac)	61	0.38	0
B	Residental (lot 1/4 Ac)	75	0.38	20.9
C	Residental (lot 1/4 Ac)	83	0.38	0
D	Residental (lot 1/4 Ac)	87	0.38	0
A	Residental (lot 1/2 Ac)	54	0.25	0
B	Residental (lot 1/2 Ac)	70	0.25	1.68
C	Residental (lot 1/2 Ac)	80	0.25	0
D	Residental (lot 1/2 Ac)	85	0.25	0
A	Residental (lot 1 Ac)	51	0.2	0
B	Residental (lot 1 Ac)	68	0.2	7.7
C	Residental (lot 1 Ac)	79	0.2	3.01
D	Residental (lot 1 Ac)	84	0.2	3.37
A	Residental (Lot 2 Ac)	46	0.12	0
B	Residental (Lot 2 Ac)	65	0.12	25.06
C	Residental (Lot 2 Ac)	77	0.12	1.7
D	Residental (Lot 2 Ac)	82	0.12	1.51
			Total	531.45

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 6

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	16.34
C	Meadows, Fair	80	0	36.71
D	Meadows, Fair	84	0	2.59
A	Residential 1 Ac Lots	51	0.2	0
B	Residential 1 Ac Lots	68	0.2	0
C	Residential 1 Ac Lots	79	0.2	0.13
D	Residential 1 Ac Lots	84	0.2	6.32
A	Commercial	89	0.9	0
B	Commercial	92	0.9	1.25
C	Commercial	94	0.9	2.06
D	Commercial	95	0.9	0.07
			Total	65.47

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 7

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	2.56
C	Meadows, Fair	80	0	20.96
D	Meadows, Fair	84	0	30.96
			Total	54.48

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 8

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	10.67
D	Meadows, Fair	84	0	23.23
			Total	33.90

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 9

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	30.84
C	Meadows, Fair	80	0	2.09
D	Meadows, Fair	84	0	32.85
			Total	65.78

Summery of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	8.98
B	Meadows, Fair	70	0	220.18
C	Meadows, Fair	80	0	108.03
D	Meadows, Fair	84	0	73.96
A	Open Space, Fair (Grass)	49	0.05	0
B	Open Space, Fair (Grass)	69	0.05	15.06
C	Open Space, Fair (Grass)	79	0.05	3.33
D	Open Space, Fair (Grass)	84	0.05	6.42
A	Commercial	89	0.9	0.82
B	Commercial	92	0.9	42.42
C	Commercial	94	0.9	6.57
D	Commercial	95	0.9	7.69
A	Residental (lot less 1/8 Ac)	77	0.75	0
B	Residental (lot less 1/8 Ac)	85	0.75	6.53
C	Residental (lot less 1/8 Ac)	90	0.75	8.08
D	Residental (lot less 1/8 Ac)	92	0.75	0
A	Residental (lot 1/4 Ac)	61	0.38	0
B	Residental (lot 1/4 Ac)	75	0.38	3.86
C	Residental (lot 1/4 Ac)	83	0.38	0.48
D	Residental (lot 1/4 Ac)	87	0.38	0
A	Residental (lot 1/2 Ac)	54	0.25	0
B	Residental (lot 1/2 Ac)	70	0.25	0
C	Residental (lot 1/2 Ac)	80	0.25	0
D	Residental (lot 1/2 Ac)	85	0.25	0
A	Residental (lot 1 Ac)	51	0.2	0
B	Residental (lot 1 Ac)	68	0.2	0
C	Residental (lot 1 Ac)	79	0.2	0
D	Residental (lot 1 Ac)	84	0.2	0
A	Residental (Lot 2 Ac)	46	0.12	0
B	Residental (Lot 2 Ac)	65	0.12	0
C	Residental (Lot 2 Ac)	77	0.12	0
D	Residental (Lot 2 Ac)	82	0.12	0
			Total	512.41

100-YEAR UNIT HYDROGRAPH METHOD
CALCULATIONS

AREA TRIBUTARY TO CP1

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae13100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 1
6/13/23

Drainage Area = 53.63(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.63(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2188.00(Ft.)
Length along longest watercourse measured to centroid = 1210.00(Ft.)
Length along longest watercourse = 0.414 Mi.
Length along longest watercourse measured to centroid = 0.229 Mi.
Difference in elevation = 206.00(Ft.)
Slope along watercourse = 497.1115 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.106 Hr.
Lag time = 6.33 Min.
25% of lag time = 1.58 Min.
40% of lag time = 2.53 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.63	0.94	50.41

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.63	1.97	105.65

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.970(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
25.330	51.00	0.000
28.300	80.00	0.000

Total Area Entered = 53.63(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.472	0.265
80.0	80.0	0.244	0.000	0.244	0.528	0.129
					Sum (F) =	0.394

Area averaged mean soil loss (F) (In/Hr) = 0.394
Minimum soil loss rate ((In/Hr)) = 0.197
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	78.957	8.800	4.756
2	0.167	157.914	47.732	25.798
3	0.250	236.871	24.927	13.473
4	0.333	315.828	9.851	5.324
5	0.417	394.785	5.006	2.706
6	0.500	473.742	1.986	1.074
7	0.583	552.700	0.761	0.411
8	0.667	631.657	0.550	0.297
9	0.750	710.614	0.388	0.210
		Sum =	100.000 Sum=	54.049

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	(0.394)	0.277	0.031
2	0.17	1.30	0.307	(0.394)	0.277	0.031
3	0.25	1.10	0.260	(0.394)	0.234	0.026
4	0.33	1.50	0.355	(0.394)	0.319	0.035
5	0.42	1.50	0.355	(0.394)	0.319	0.035
6	0.50	1.80	0.425	(0.394)	0.383	0.043
7	0.58	1.50	0.355	(0.394)	0.319	0.035
8	0.67	1.80	0.425	(0.394)	0.383	0.043

9	0.75	1.80	0.425	(0.394)	0.383	0.043
10	0.83	1.50	0.355	(0.394)	0.319	0.035
11	0.92	1.60	0.378	(0.394)	0.340	0.038
12	1.00	1.80	0.425	(0.394)	0.383	0.043
13	1.08	2.20	0.520	0.394	(0.468)	0.126
14	1.17	2.20	0.520	0.394	(0.468)	0.126
15	1.25	2.20	0.520	0.394	(0.468)	0.126
16	1.33	2.00	0.473	0.394	(0.425)	0.079
17	1.42	2.60	0.614	0.394	(0.553)	0.220
18	1.50	2.70	0.638	0.394	(0.574)	0.244
19	1.58	2.40	0.567	0.394	(0.511)	0.173
20	1.67	2.70	0.638	0.394	(0.574)	0.244
21	1.75	3.30	0.780	0.394	(0.702)	0.386
22	1.83	3.10	0.733	0.394	(0.659)	0.339
23	1.92	2.90	0.685	0.394	(0.617)	0.291
24	2.00	3.00	0.709	0.394	(0.638)	0.315
25	2.08	3.10	0.733	0.394	(0.659)	0.339
26	2.17	4.20	0.993	0.394	(0.893)	0.599
27	2.25	5.00	1.182	0.394	(1.064)	0.788
28	2.33	3.50	0.827	0.394	(0.744)	0.433
29	2.42	6.80	1.607	0.394	(1.446)	1.213
30	2.50	7.30	1.725	0.394	(1.553)	1.331
31	2.58	8.20	1.938	0.394	(1.744)	1.544
32	2.67	5.90	1.394	0.394	(1.255)	1.000
33	2.75	2.00	0.473	0.394	(0.425)	0.079
34	2.83	1.80	0.425	(0.394)	0.383	0.043
35	2.92	1.80	0.425	(0.394)	0.383	0.043
36	3.00	0.60	0.142	(0.394)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 10.5

Flood volume = Effective rainfall 0.88(In)
times area 53.6(Ac.)/[(In)/(Ft.)] = 3.9(Ac.Ft)
Total soil loss = 1.09(In)
Total soil loss = 4.881(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 170826.2 Cubic Feet
Total soil loss = 212597.3 Cubic Feet

Peak flow rate of this hydrograph = 71.449(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	20.0	40.0	60.0	80.0
0+ 5	0.0010	0.15	Q				
0+10	0.0075	0.94	Q				
0+15	0.0166	1.33	Q				
0+20	0.0264	1.42	Q				
0+25	0.0380	1.68	Q				
0+30	0.0507	1.85	Q				
0+35	0.0648	2.05	VQ				
0+40	0.0788	2.03	VQ				
0+45	0.0937	2.17	VQ				
0+50	0.1089	2.21	|Q				
0+55	0.1232	2.07	|Q				
1+ 0	0.1374	2.07	|Q				
1+ 5	0.1553	2.59	|Q				
1+10	0.1883	4.80	|VQ				
1+15	0.2293	5.95	| Q				
1+20	0.2719	6.18	| VQ				
1+25	0.3123	5.87	| QV				
1+30	0.3749	9.09	| VQ				
1+35	0.4511	11.06	| VQ				
1+40	0.5237	10.54	| Q				
1+45	0.6102	12.57	| Q				
1+50	0.7257	16.78	| VQ				
1+55	0.8462	17.50	| Q				
2+ 0	0.9610	16.67	| QV				
2+ 5	1.0779	16.97	| Q V				
2+10	1.2082	18.92	| Q| V				
2+15	1.3931	26.86	| | QV				
2+20	1.6255	33.73	| | Q				
2+25	1.8480	32.31	| | Q V				
2+30	2.1920	49.95	| | | V Q				
2+35	2.6289	63.44	| | | V |Q				
2+40	3.1210	71.45	| | | |V Q				
2+45	3.5233	58.42	| | | Q| V				
2+50	3.7257	29.38	| | Q | | V				
2+55	3.8227	14.09	| Q | | | V				
3+ 0	3.8745	7.52	| Q | | | | V				
3+ 5	3.9003	3.74	|Q | | | | V				
3+10	3.9125	1.77	Q | | | | V				
3+15	3.9186	0.89	Q | | | | V				
3+20	3.9209	0.33	Q | | | | V				
3+25	3.9213	0.06	Q | | | | V				
3+30	3.9215	0.03	Q | | | | V				
3+35	3.9216	0.01	Q | | | | V				
3+40	3.9216	0.00	Q | | | | V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae16100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 1
6/13/23

Drainage Area = 53.63(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.63(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2188.00(Ft.)
Length along longest watercourse measured to centroid = 1210.00(Ft.)
Length along longest watercourse = 0.414 Mi.
Length along longest watercourse measured to centroid = 0.229 Mi.
Difference in elevation = 206.00(Ft.)
Slope along watercourse = 497.1115 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.106 Hr.
Lag time = 6.33 Min.
25% of lag time = 1.58 Min.
40% of lag time = 2.53 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.63	1.35	72.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.63	2.78	149.09

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.779(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
25.330	51.00	0.000
28.300	80.00	0.000

Total Area Entered = 53.63(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.472	0.265
80.0	80.0	0.244	0.000	0.244	0.528	0.129
					Sum (F) =	0.394

Area averaged mean soil loss (F) (In/Hr) = 0.394
Minimum soil loss rate ((In/Hr)) = 0.197
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	78.957	8.800	4.756
2	0.167	157.914	47.732	25.798
3	0.250	236.871	24.927	13.473
4	0.333	315.828	9.851	5.324
5	0.417	394.785	5.006	2.706
6	0.500	473.742	1.986	1.074
7	0.583	552.700	0.761	0.411
8	0.667	631.657	0.550	0.297
9	0.750	710.614	0.388	0.210
			Sum = 100.000	Sum= 54.049

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.394)	0.150	0.017
2	0.17	0.60	0.200	(0.394)	0.180	0.020
3	0.25	0.60	0.200	(0.394)	0.180	0.020
4	0.33	0.60	0.200	(0.394)	0.180	0.020
5	0.42	0.60	0.200	(0.394)	0.180	0.020
6	0.50	0.70	0.233	(0.394)	0.210	0.023
7	0.58	0.70	0.233	(0.394)	0.210	0.023
8	0.67	0.70	0.233	(0.394)	0.210	0.023

9	0.75	0.70	0.233	(0.394)	0.210	0.023
10	0.83	0.70	0.233	(0.394)	0.210	0.023
11	0.92	0.70	0.233	(0.394)	0.210	0.023
12	1.00	0.80	0.267	(0.394)	0.240	0.027
13	1.08	0.80	0.267	(0.394)	0.240	0.027
14	1.17	0.80	0.267	(0.394)	0.240	0.027
15	1.25	0.80	0.267	(0.394)	0.240	0.027
16	1.33	0.80	0.267	(0.394)	0.240	0.027
17	1.42	0.80	0.267	(0.394)	0.240	0.027
18	1.50	0.80	0.267	(0.394)	0.240	0.027
19	1.58	0.80	0.267	(0.394)	0.240	0.027
20	1.67	0.80	0.267	(0.394)	0.240	0.027
21	1.75	0.80	0.267	(0.394)	0.240	0.027
22	1.83	0.80	0.267	(0.394)	0.240	0.027
23	1.92	0.80	0.267	(0.394)	0.240	0.027
24	2.00	0.90	0.300	(0.394)	0.270	0.030
25	2.08	0.80	0.267	(0.394)	0.240	0.027
26	2.17	0.90	0.300	(0.394)	0.270	0.030
27	2.25	0.90	0.300	(0.394)	0.270	0.030
28	2.33	0.90	0.300	(0.394)	0.270	0.030
29	2.42	0.90	0.300	(0.394)	0.270	0.030
30	2.50	0.90	0.300	(0.394)	0.270	0.030
31	2.58	0.90	0.300	(0.394)	0.270	0.030
32	2.67	0.90	0.300	(0.394)	0.270	0.030
33	2.75	1.00	0.334	(0.394)	0.300	0.033
34	2.83	1.00	0.334	(0.394)	0.300	0.033
35	2.92	1.00	0.334	(0.394)	0.300	0.033
36	3.00	1.00	0.334	(0.394)	0.300	0.033
37	3.08	1.00	0.334	(0.394)	0.300	0.033
38	3.17	1.10	0.367	(0.394)	0.330	0.037
39	3.25	1.10	0.367	(0.394)	0.330	0.037
40	3.33	1.10	0.367	(0.394)	0.330	0.037
41	3.42	1.20	0.400	(0.394)	0.360	0.040
42	3.50	1.30	0.434	(0.394)	0.390	0.043
43	3.58	1.40	0.467	0.394	(0.420)	0.073
44	3.67	1.40	0.467	0.394	(0.420)	0.073
45	3.75	1.50	0.500	0.394	(0.450)	0.106
46	3.83	1.50	0.500	0.394	(0.450)	0.106
47	3.92	1.60	0.534	0.394	(0.480)	0.140
48	4.00	1.60	0.534	0.394	(0.480)	0.140
49	4.08	1.70	0.567	0.394	(0.510)	0.173
50	4.17	1.80	0.600	0.394	(0.540)	0.206
51	4.25	1.90	0.634	0.394	(0.570)	0.240
52	4.33	2.00	0.667	0.394	(0.600)	0.273
53	4.42	2.10	0.700	0.394	(0.630)	0.306
54	4.50	2.10	0.700	0.394	(0.630)	0.306
55	4.58	2.20	0.734	0.394	(0.660)	0.340
56	4.67	2.30	0.767	0.394	(0.690)	0.373
57	4.75	2.40	0.800	0.394	(0.720)	0.406
58	4.83	2.40	0.800	0.394	(0.720)	0.406
59	4.92	2.50	0.834	0.394	(0.750)	0.440
60	5.00	2.60	0.867	0.394	(0.780)	0.473
61	5.08	3.10	1.034	0.394	(0.931)	0.640
62	5.17	3.60	1.201	0.394	(1.081)	0.807
63	5.25	3.90	1.301	0.394	(1.171)	0.907
64	5.33	4.20	1.401	0.394	(1.261)	1.007
65	5.42	4.70	1.568	0.394	(1.411)	1.174
66	5.50	5.60	1.868	0.394	(1.681)	1.474
67	5.58	1.90	0.634	0.394	(0.570)	0.240
68	5.67	0.90	0.300	(0.394)	0.270	0.030
69	5.75	0.60	0.200	(0.394)	0.180	0.020
70	5.83	0.50	0.167	(0.394)	0.150	0.017
71	5.92	0.30	0.100	(0.394)	0.090	0.010
72	6.00	0.20	0.067	(0.394)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 12.1

Flood volume = Effective rainfall 1.01(In)
times area 53.6(Ac.)/[(In)/(Ft.)] = 4.5(Ac.Ft)
Total soil loss = 1.77(In)
Total soil loss = 7.918(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 196207.2 Cubic Feet
Total soil loss = 344894.8 Cubic Feet

Peak flow rate of this hydrograph = 64.178(CFS)

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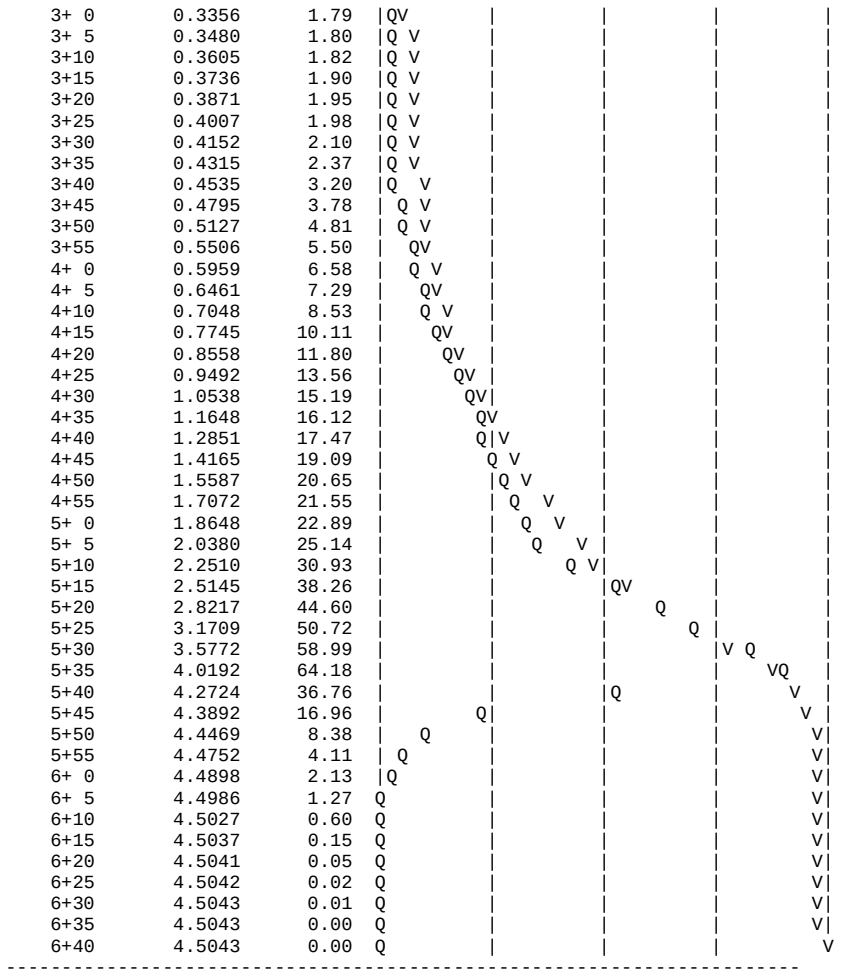
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	17.5	35.0	52.5	70.0
0+ 5	0.0005	0.08	Q				
0+10	0.0042	0.53	Q				
0+15	0.0099	0.84	Q				
0+20	0.0166	0.97	Q				
0+25	0.0237	1.03	Q				
0+30	0.0311	1.08	Q				
0+35	0.0392	1.17	Q				
0+40	0.0476	1.22	Q				
0+45	0.0562	1.25	Q				
0+50	0.0649	1.26	Q				
0+55	0.0736	1.26	Q				
1+ 0	0.0823	1.28	Q				
1+ 5	0.0917	1.36	Q				
1+10	0.1014	1.41	Q				
1+15	0.1113	1.43	Q				
1+20	0.1212	1.44	QV				
1+25	0.1311	1.44	QV				
1+30	0.1410	1.44	QV				
1+35	0.1509	1.44	QV				
1+40	0.1609	1.44	QV				
1+45	0.1708	1.44	QV				
1+50	0.1808	1.44	QV				
1+55	0.1907	1.44	QV				
2+ 0	0.2007	1.46	QV				
2+ 5	0.2113	1.53	QV				
2+10	0.2216	1.50	QV				
2+15	0.2324	1.56	Q V				
2+20	0.2434	1.60	Q V				
2+25	0.2545	1.61	Q V				
2+30	0.2656	1.62	Q V				
2+35	0.2768	1.62	Q V				
2+40	0.2880	1.62	Q V				
2+45	0.2993	1.64	Q V				
2+50	0.3111	1.73	Q V				
2+55	0.3233	1.77	|QV				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3+ 5 0.3480 1.80
3+10 0.3605 1.82
3+15 0.3736 1.90
3+20 0.3871 1.95
3+25 0.4007 1.98
3+30 0.4152 2.10
3+35 0.4315 2.37
3+40 0.4535 3.20
3+45 0.4795 3.78
3+50 0.5127 4.81
3+55 0.5506 5.50
4+ 0 0.5959 6.58
4+ 5 0.6461 7.29
4+10 0.7048 8.53
4+15 0.7745 10.11
4+20 0.8558 11.80
4+25 0.9492 13.56
4+30 1.0538 15.19
4+35 1.1648 16.12
4+40 1.2851 17.47
4+45 1.4165 19.09
4+50 1.5587 20.65
4+55 1.7072 21.55
5+ 0 1.8648 22.89
5+ 5 2.0380 25.14
5+10 2.2510 30.93
5+15 2.5145 38.26
5+20 2.8217 44.60
5+25 3.1709 50.72
5+30 3.5772 58.99
5+35 4.0192 64.18
5+40 4.2724 36.76
5+45 4.3892 16.96
5+50 4.4469 8.38
5+55 4.4752 4.11
6+ 0 4.4898 2.13
6+ 5 4.4986 1.27
6+10 4.5027 0.60
6+15 4.5037 0.15
6+20 4.5041 0.05
6+25 4.5042 0.02
6+30 4.5043 0.01
6+35 4.5043 0.00
6+40 4.5043 0.00

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae124100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 1
6/13/23

Drainage Area = 53.63(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.63(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2188.00(Ft.)
Length along longest watercourse measured to centroid = 1210.00(Ft.)
Length along longest watercourse = 0.414 Mi.
Length along longest watercourse measured to centroid = 0.229 Mi.
Difference in elevation = 206.00(Ft.)
Slope along watercourse = 497.1115 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.106 Hr.
Lag time = 6.33 Min.
25% of lag time = 1.58 Min.
40% of lag time = 2.53 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.63	2.45	131.39

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.63	6.08	326.07

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.079(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
25.330	51.00	0.000
28.300	80.00	0.000

Total Area Entered = 53.63(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.472	0.265
80.0	80.0	0.244	0.000	0.244	0.528	0.129
					Sum (F) =	0.394

Area averaged mean soil loss (F) (In/Hr) = 0.394
Minimum soil loss rate ((In/Hr)) = 0.197
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	78.957	8.800	4.756
2	0.167	157.914	47.732	25.798
3	0.250	236.871	24.927	13.473
4	0.333	315.828	9.851	5.324
5	0.417	394.785	5.006	2.706
6	0.500	473.742	1.986	1.074
7	0.583	552.700	0.761	0.411
8	0.667	631.657	0.550	0.297
9	0.750	710.614	0.388	0.210
		Sum =	100.000 Sum=	54.049

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.699)	0.044	0.005
2	0.17	0.07	0.049	(0.696)	0.044	0.005
3	0.25	0.07	0.049	(0.693)	0.044	0.005
4	0.33	0.10	0.073	(0.691)	0.066	0.007
5	0.42	0.10	0.073	(0.688)	0.066	0.007
6	0.50	0.10	0.073	(0.685)	0.066	0.007
7	0.58	0.10	0.073	(0.682)	0.066	0.007
8	0.67	0.10	0.073	(0.680)	0.066	0.007

9	0.75	0.10	0.073	(0.677)	0.066	0.007
10	0.83	0.13	0.097	(0.675)	0.088	0.010
11	0.92	0.13	0.097	(0.672)	0.088	0.010
12	1.00	0.13	0.097	(0.669)	0.088	0.010
13	1.08	0.10	0.073	(0.667)	0.066	0.007
14	1.17	0.10	0.073	(0.664)	0.066	0.007
15	1.25	0.10	0.073	(0.661)	0.066	0.007
16	1.33	0.10	0.073	(0.659)	0.066	0.007
17	1.42	0.10	0.073	(0.656)	0.066	0.007
18	1.50	0.10	0.073	(0.653)	0.066	0.007
19	1.58	0.10	0.073	(0.651)	0.066	0.007
20	1.67	0.10	0.073	(0.648)	0.066	0.007
21	1.75	0.10	0.073	(0.646)	0.066	0.007
22	1.83	0.13	0.097	(0.643)	0.088	0.010
23	1.92	0.13	0.097	(0.640)	0.088	0.010
24	2.00	0.13	0.097	(0.638)	0.088	0.010
25	2.08	0.13	0.097	(0.635)	0.088	0.010
26	2.17	0.13	0.097	(0.633)	0.088	0.010
27	2.25	0.13	0.097	(0.630)	0.088	0.010
28	2.33	0.13	0.097	(0.628)	0.088	0.010
29	2.42	0.13	0.097	(0.625)	0.088	0.010
30	2.50	0.13	0.097	(0.622)	0.088	0.010
31	2.58	0.17	0.122	(0.620)	0.109	0.012
32	2.67	0.17	0.122	(0.617)	0.109	0.012
33	2.75	0.17	0.122	(0.615)	0.109	0.012
34	2.83	0.17	0.122	(0.612)	0.109	0.012
35	2.92	0.17	0.122	(0.610)	0.109	0.012
36	3.00	0.17	0.122	(0.607)	0.109	0.012
37	3.08	0.17	0.122	(0.605)	0.109	0.012
38	3.17	0.17	0.122	(0.602)	0.109	0.012
39	3.25	0.17	0.122	(0.600)	0.109	0.012
40	3.33	0.17	0.122	(0.597)	0.109	0.012
41	3.42	0.17	0.122	(0.595)	0.109	0.012
42	3.50	0.17	0.122	(0.592)	0.109	0.012
43	3.58	0.17	0.122	(0.590)	0.109	0.012
44	3.67	0.17	0.122	(0.587)	0.109	0.012
45	3.75	0.17	0.122	(0.585)	0.109	0.012
46	3.83	0.20	0.146	(0.582)	0.131	0.015
47	3.92	0.20	0.146	(0.580)	0.131	0.015
48	4.00	0.20	0.146	(0.577)	0.131	0.015
49	4.08	0.20	0.146	(0.575)	0.131	0.015
50	4.17	0.20	0.146	(0.573)	0.131	0.015
51	4.25	0.20	0.146	(0.570)	0.131	0.015
52	4.33	0.23	0.170	(0.568)	0.153	0.017
53	4.42	0.23	0.170	(0.565)	0.153	0.017
54	4.50	0.23	0.170	(0.563)	0.153	0.017
55	4.58	0.23	0.170	(0.560)	0.153	0.017
56	4.67	0.23	0.170	(0.558)	0.153	0.017
57	4.75	0.23	0.170	(0.556)	0.153	0.017
58	4.83	0.27	0.195	(0.553)	0.175	0.019
59	4.92	0.27	0.195	(0.551)	0.175	0.019
60	5.00	0.27	0.195	(0.548)	0.175	0.019
61	5.08	0.20	0.146	(0.546)	0.131	0.015
62	5.17	0.20	0.146	(0.544)	0.131	0.015
63	5.25	0.20	0.146	(0.541)	0.131	0.015
64	5.33	0.23	0.170	(0.539)	0.153	0.017
65	5.42	0.23	0.170	(0.537)	0.153	0.017
66	5.50	0.23	0.170	(0.534)	0.153	0.017
67	5.58	0.27	0.195	(0.532)	0.175	0.019
68	5.67	0.27	0.195	(0.530)	0.175	0.019
69	5.75	0.27	0.195	(0.527)	0.175	0.019
70	5.83	0.27	0.195	(0.525)	0.175	0.019
71	5.92	0.27	0.195	(0.523)	0.175	0.019
72	6.00	0.27	0.195	(0.520)	0.175	0.019
73	6.08	0.30	0.219	(0.518)	0.197	0.022
74	6.17	0.30	0.219	(0.516)	0.197	0.022
75	6.25	0.30	0.219	(0.513)	0.197	0.022
76	6.33	0.30	0.219	(0.511)	0.197	0.022
77	6.42	0.30	0.219	(0.509)	0.197	0.022
78	6.50	0.30	0.219	(0.506)	0.197	0.022
79	6.58	0.33	0.243	(0.504)	0.219	0.024
80	6.67	0.33	0.243	(0.502)	0.219	0.024
81	6.75	0.33	0.243	(0.500)	0.219	0.024
82	6.83	0.33	0.243	(0.497)	0.219	0.024
83	6.92	0.33	0.243	(0.495)	0.219	0.024
84	7.00	0.33	0.243	(0.493)	0.219	0.024
85	7.08	0.33	0.243	(0.491)	0.219	0.024
86	7.17	0.33	0.243	(0.488)	0.219	0.024
87	7.25	0.33	0.243	(0.486)	0.219	0.024
88	7.33	0.37	0.267	(0.484)	0.241	0.027
89	7.42	0.37	0.267	(0.482)	0.241	0.027
90	7.50	0.37	0.267	(0.480)	0.241	0.027
91	7.58	0.40	0.292	(0.477)	0.263	0.029
92	7.67	0.40	0.292	(0.475)	0.263	0.029
93	7.75	0.40	0.292	(0.473)	0.263	0.029
94	7.83	0.43	0.316	(0.471)	0.285	0.032
95	7.92	0.43	0.316	(0.469)	0.285	0.032
96	8.00	0.43	0.316	(0.466)	0.285	0.032
97	8.08	0.50	0.365	(0.464)	0.328	0.036
98	8.17	0.50	0.365	(0.462)	0.328	0.036
99	8.25	0.50	0.365	(0.460)	0.328	0.036
100	8.33	0.50	0.365	(0.458)	0.328	0.036
101	8.42	0.50	0.365	(0.456)	0.328	0.036
102	8.50	0.50	0.365	(0.454)	0.328	0.036
103	8.58	0.53	0.389	(0.451)	0.350	0.039
104	8.67	0.53	0.389	(0.449)	0.350	0.039
105	8.75	0.53	0.389	(0.447)	0.350	0.039
106	8.83	0.57	0.413	(0.445)	0.372	0.041
107	8.92	0.57	0.413	(0.443)	0.372	0.041
108	9.00	0.57	0.413	(0.441)	0.372	0.041
109	9.08	0.63	0.462	(0.439)	0.416	0.046
110	9.17	0.63	0.462	(0.437)	0.416	0.046
111	9.25	0.63	0.462	(0.435)	0.416	0.046
112	9.33	0.67	0.486	0.433	(0.438)	0.054
113	9.42	0.67	0.486	0.430	(0.438)	0.056
114	9.50	0.67	0.486	0.428	(0.438)	0.058
115	9.58	0.70	0.511	0.426	(0.460)	0.084
116	9.67	0.70	0.511	0.424	(0.460)	0.086
117	9.75	0.70	0.511	0.422	(0.460)	0.088
118	9.83	0.73	0.535	0.420	(0.481)	0.115
119	9.92	0.73	0.535	0.418	(0.481)	0.117
120	10.00	0.73	0.535	0.416	(0.481)	0.119
121	10.08	0.50	0.365	(0.414)	0.328	0.036
122	10.17	0.50	0.365	(0.412)	0.328	0.036
123	10.25	0.50	0.365	(0.410)	0.328	0.036
124	10.33	0.50	0.365	(0.408)	0.328	0.036
125	10.42	0.50	0.365	(0.406)	0.328	0.036
126	10.50	0.50	0.365	(0.404)	0.328	0.036
127	10.58	0.67	0.486	0.402	(0.438)	0.084
128	10.67	0.67	0.486	0.400	(0.438)	0.086

129	10.75	0.67	0.486	0.398	(0.438)	0.088
130	10.83	0.67	0.486	0.396	(0.438)	0.090
131	10.92	0.67	0.486	0.394	(0.438)	0.092
132	11.00	0.67	0.486	0.392	(0.438)	0.094
133	11.08	0.63	0.462	0.391	(0.416)	0.072
134	11.17	0.63	0.462	0.389	(0.416)	0.073
135	11.25	0.63	0.462	0.387	(0.416)	0.075
136	11.33	0.63	0.462	0.385	(0.416)	0.077
137	11.42	0.63	0.462	0.383	(0.416)	0.079
138	11.50	0.63	0.462	0.381	(0.416)	0.081
139	11.58	0.57	0.413	(0.379)	0.372	0.041
140	11.67	0.57	0.413	(0.377)	0.372	0.041
141	11.75	0.57	0.413	(0.375)	0.372	0.041
142	11.83	0.60	0.438	0.373	(0.394)	0.064
143	11.92	0.60	0.438	0.372	(0.394)	0.066
144	12.00	0.60	0.438	0.370	(0.394)	0.068
145	12.08	0.83	0.608	0.368	(0.547)	0.240
146	12.17	0.83	0.608	0.366	(0.547)	0.242
147	12.25	0.83	0.608	0.364	(0.547)	0.244
148	12.33	0.87	0.632	0.362	(0.569)	0.270
149	12.42	0.87	0.632	0.361	(0.569)	0.272
150	12.50	0.87	0.632	0.359	(0.569)	0.274
151	12.58	0.93	0.681	0.357	(0.613)	0.324
152	12.67	0.93	0.681	0.355	(0.613)	0.326
153	12.75	0.93	0.681	0.353	(0.613)	0.328
154	12.83	0.97	0.705	0.352	(0.635)	0.354
155	12.92	0.97	0.705	0.350	(0.635)	0.355
156	13.00	0.97	0.705	0.348	(0.635)	0.357
157	13.08	1.13	0.827	0.346	(0.744)	0.481
158	13.17	1.13	0.827	0.345	(0.744)	0.482
159	13.25	1.13	0.827	0.343	(0.744)	0.484
160	13.33	1.13	0.827	0.341	(0.744)	0.486
161	13.42	1.13	0.827	0.339	(0.744)	0.488
162	13.50	1.13	0.827	0.338	(0.744)	0.489
163	13.58	0.77	0.559	0.336	(0.503)	0.223
164	13.67	0.77	0.559	0.334	(0.503)	0.225
165	13.75	0.77	0.559	0.332	(0.503)	0.227
166	13.83	0.77	0.559	0.331	(0.503)	0.229
167	13.92	0.77	0.559	0.329	(0.503)	0.230
168	14.00	0.77	0.559	0.327	(0.503)	0.232
169	14.08	0.90	0.657	0.326	(0.591)	0.331
170	14.17	0.90	0.657	0.324	(0.591)	0.333
171	14.25	0.90	0.657	0.322	(0.591)	0.334
172	14.33	0.87	0.632	0.321	(0.569)	0.312
173	14.42	0.87	0.632	0.319	(0.569)	0.313
174	14.50	0.87	0.632	0.317	(0.569)	0.315
175	14.58	0.87	0.632	0.316	(0.569)	0.316
176	14.67	0.87	0.632	0.314	(0.569)	0.318
177	14.75	0.87	0.632	0.313	(0.569)	0.320
178	14.83	0.83	0.608	0.311	(0.547)	0.297
179	14.92	0.83	0.608	0.309	(0.547)	0.299
180	15.00	0.83	0.608	0.308	(0.547)	0.300
181	15.08	0.80	0.584	0.306	(0.525)	0.277
182	15.17	0.80	0.584	0.305	(0.525)	0.279
183	15.25	0.80	0.584	0.303	(0.525)	0.281
184	15.33	0.77	0.559	0.302	(0.503)	0.258
185	15.42	0.77	0.559	0.300	(0.503)	0.259
186	15.50	0.77	0.559	0.298	(0.503)	0.261
187	15.58	0.63	0.462	0.297	(0.416)	0.165
188	15.67	0.63	0.462	0.295	(0.416)	0.167
189	15.75	0.63	0.462	0.294	(0.416)	0.168
190	15.83	0.63	0.462	0.292	(0.416)	0.170
191	15.92	0.63	0.462	0.291	(0.416)	0.171
192	16.00	0.63	0.462	0.289	(0.416)	0.173
193	16.08	0.13	0.097	(0.288)	0.088	0.010
194	16.17	0.13	0.097	(0.286)	0.088	0.010
195	16.25	0.13	0.097	(0.285)	0.088	0.010
196	16.33	0.13	0.097	(0.284)	0.088	0.010
197	16.42	0.13	0.097	(0.282)	0.088	0.010
198	16.50	0.13	0.097	(0.281)	0.088	0.010
199	16.58	0.10	0.073	(0.279)	0.066	0.007
200	16.67	0.10	0.073	(0.278)	0.066	0.007
201	16.75	0.10	0.073	(0.276)	0.066	0.007
202	16.83	0.10	0.073	(0.275)	0.066	0.007
203	16.92	0.10	0.073	(0.274)	0.066	0.007
204	17.00	0.10	0.073	(0.272)	0.066	0.007
205	17.08	0.17	0.122	(0.271)	0.109	0.012
206	17.17	0.17	0.122	(0.269)	0.109	0.012
207	17.25	0.17	0.122	(0.268)	0.109	0.012
208	17.33	0.17	0.122	(0.267)	0.109	0.012
209	17.42	0.17	0.122	(0.265)	0.109	0.012
210	17.50	0.17	0.122	(0.264)	0.109	0.012
211	17.58	0.17	0.122	(0.263)	0.109	0.012
212	17.67	0.17	0.122	(0.261)	0.109	0.012
213	17.75	0.17	0.122	(0.260)	0.109	0.012
214	17.83	0.13	0.097	(0.259)	0.088	0.010
215	17.92	0.13	0.097	(0.258)	0.088	0.010
216	18.00	0.13	0.097	(0.256)	0.088	0.010
217	18.08	0.13	0.097	(0.255)	0.088	0.010
218	18.17	0.13	0.097	(0.254)	0.088	0.010
219	18.25	0.13	0.097	(0.253)	0.088	0.010
220	18.33	0.13	0.097	(0.251)	0.088	0.010
221	18.42	0.13	0.097	(0.250)	0.088	0.010
222	18.50	0.13	0.097	(0.249)	0.088	0.010
223	18.58	0.10	0.073	(0.248)	0.066	0.007
224	18.67	0.10	0.073	(0.247)	0.066	0.007
225	18.75	0.10	0.073	(0.245)	0.066	0.007
226	18.83	0.07	0.049	(0.244)	0.044	0.005
227	18.92	0.07	0.049	(0.243)	0.044	0.005
228	19.00	0.07	0.049	(0.242)	0.044	0.005
229	19.08	0.10	0.073	(0.241)	0.066	0.007
230	19.17	0.10	0.073	(0.240)	0.066	0.007
231	19.25	0.10	0.073	(0.238)	0.066	0.007
232	19.33	0.13	0.097	(0.237)	0.088	0.010
233	19.42	0.13	0.097	(0.236)	0.088	0.010
234	19.50	0.13	0.097	(0.235)	0.088	0.010
235	19.58	0.10	0.073	(0.234)	0.066	0.007
236	19.67	0.10	0.073	(0.233)	0.066	0.007
237	19.75	0.10	0.073	(0.232)	0.066	0.007
238	19.83	0.07	0.049	(0.231)	0.044	0.005
239	19.92	0.07	0.049	(0.230)	0.044	0.005
240	20.00	0.07	0.049	(0.229)	0.044	0.005
241	20.08	0.10	0.073	(0.228)	0.066	0.007
242	20.17	0.10	0.073	(0.227)	0.066	0.007
243	20.25	0.10	0.073	(0.226)	0.066	0.007
244	20.33	0.10	0.073	(0.225)	0.066	0.007
245	20.42	0.10	0.073	(0.224)	0.066	0.007
246	20.50	0.10	0.073	(0.223)	0.066	0.007
247	20.58	0.10	0.073	(0.222)	0.066	0.007
248	20.67	0.10	0.073	(0.221)	0.066	0.007

249	20.75	0.10	0.073	(0.220)	0.066	0.007
250	20.83	0.07	0.049	(0.219)	0.044	0.005
251	20.92	0.07	0.049	(0.218)	0.044	0.005
252	21.00	0.07	0.049	(0.218)	0.044	0.005
253	21.08	0.10	0.073	(0.217)	0.066	0.007
254	21.17	0.10	0.073	(0.216)	0.066	0.007
255	21.25	0.10	0.073	(0.215)	0.066	0.007
256	21.33	0.07	0.049	(0.214)	0.044	0.005
257	21.42	0.07	0.049	(0.213)	0.044	0.005
258	21.50	0.07	0.049	(0.213)	0.044	0.005
259	21.58	0.10	0.073	(0.212)	0.066	0.007
260	21.67	0.10	0.073	(0.211)	0.066	0.007
261	21.75	0.10	0.073	(0.210)	0.066	0.007
262	21.83	0.07	0.049	(0.210)	0.044	0.005
263	21.92	0.07	0.049	(0.209)	0.044	0.005
264	22.00	0.07	0.049	(0.208)	0.044	0.005
265	22.08	0.10	0.073	(0.207)	0.066	0.007
266	22.17	0.10	0.073	(0.207)	0.066	0.007
267	22.25	0.10	0.073	(0.206)	0.066	0.007
268	22.33	0.07	0.049	(0.205)	0.044	0.005
269	22.42	0.07	0.049	(0.205)	0.044	0.005
270	22.50	0.07	0.049	(0.204)	0.044	0.005
271	22.58	0.07	0.049	(0.204)	0.044	0.005
272	22.67	0.07	0.049	(0.203)	0.044	0.005
273	22.75	0.07	0.049	(0.202)	0.044	0.005
274	22.83	0.07	0.049	(0.202)	0.044	0.005
275	22.92	0.07	0.049	(0.201)	0.044	0.005
276	23.00	0.07	0.049	(0.201)	0.044	0.005
277	23.08	0.07	0.049	(0.200)	0.044	0.005
278	23.17	0.07	0.049	(0.200)	0.044	0.005
279	23.25	0.07	0.049	(0.200)	0.044	0.005
280	23.33	0.07	0.049	(0.199)	0.044	0.005
281	23.42	0.07	0.049	(0.199)	0.044	0.005
282	23.50	0.07	0.049	(0.198)	0.044	0.005
283	23.58	0.07	0.049	(0.198)	0.044	0.005
284	23.67	0.07	0.049	(0.198)	0.044	0.005
285	23.75	0.07	0.049	(0.198)	0.044	0.005
286	23.83	0.07	0.049	(0.197)	0.044	0.005
287	23.92	0.07	0.049	(0.197)	0.044	0.005
288	24.00	0.07	0.049	(0.197)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 19.4

Flood volume = Effective rainfall 1.61(In)
times area 53.6(Ac.)/[(In)/(Ft.)] = 7.2(Ac.Ft)
Total soil loss = 4.46(In)
Total soil loss = 19.952(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 314392.3 Cubic Feet
Total soil loss = 869119.2 Cubic Feet

Peak flow rate of this hydrograph = 26.187(CFS)

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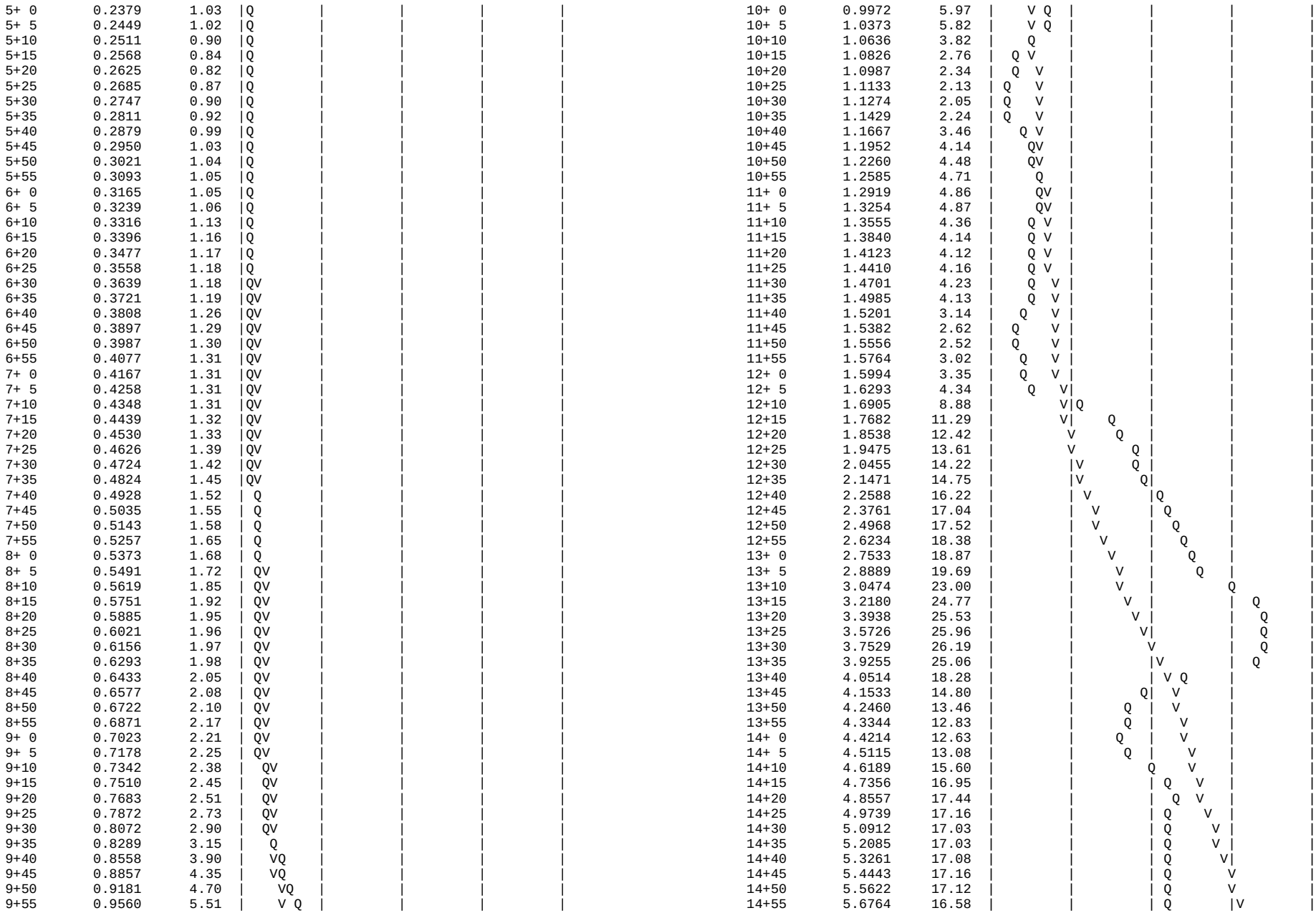
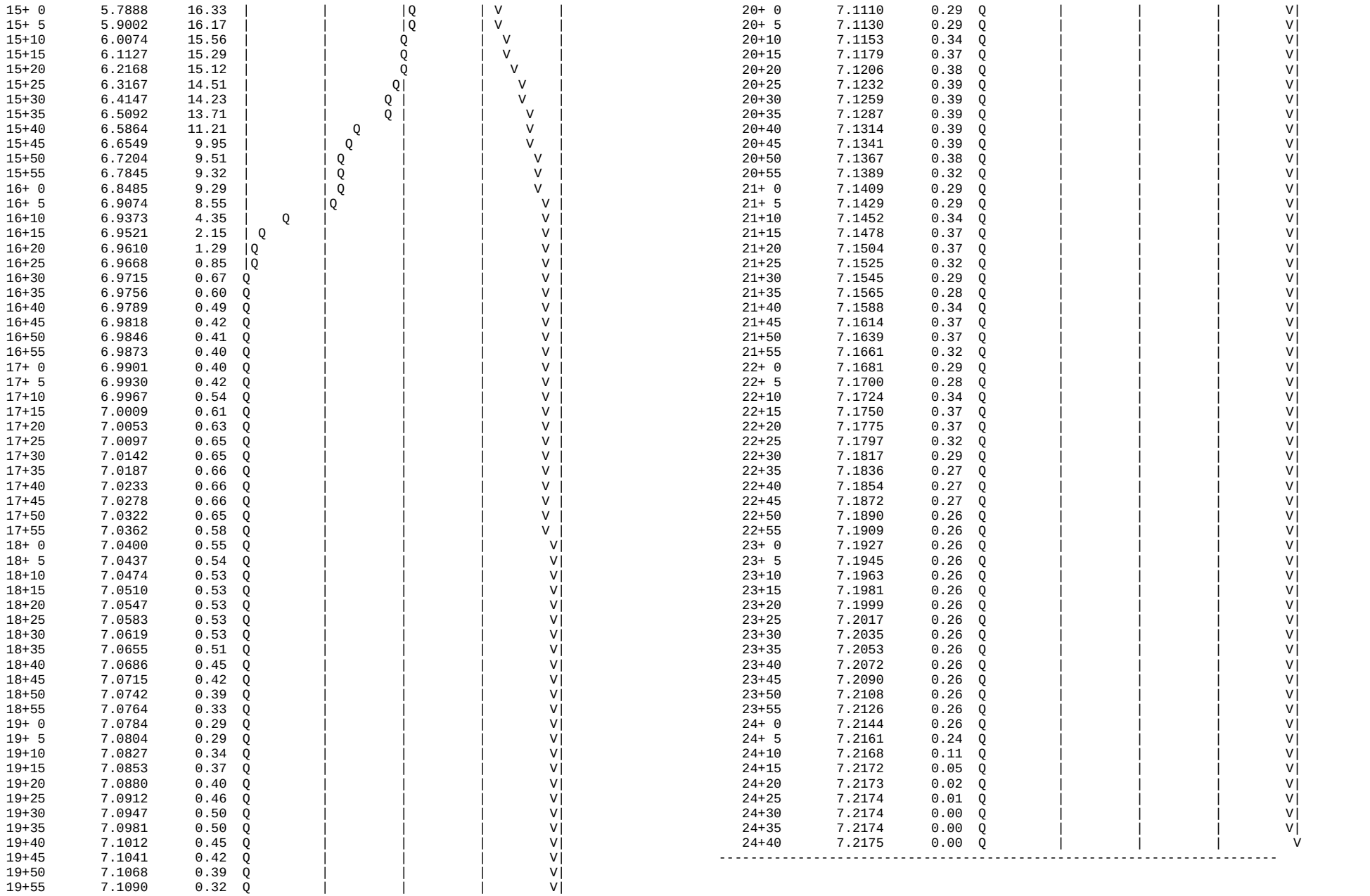
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0002	0.02	Q				
0+10	0.0012	0.15	Q				
0+15	0.0027	0.21	Q				
0+20	0.0044	0.25	Q				
0+25	0.0066	0.33	Q				
0+30	0.0092	0.37	Q				
0+35	0.0118	0.38	Q				
0+40	0.0145	0.39	Q				
0+45	0.0172	0.39	Q				
0+50	0.0200	0.40	Q				
0+55	0.0232	0.47	Q				
1+ 0	0.0266	0.50	Q				
1+ 5	0.0301	0.50	Q				
1+10	0.0332	0.45	Q				
1+15	0.0360	0.42	Q				
1+20	0.0388	0.40	Q				
1+25	0.0416	0.40	Q				
1+30	0.0443	0.40	Q				
1+35	0.0470	0.40	Q				
1+40	0.0498	0.40	Q				
1+45	0.0525	0.39	Q				
1+50	0.0553	0.41	Q				
1+55	0.0585	0.47	Q				
2+ 0	0.0620	0.50	Q				
2+ 5	0.0655	0.51	Q				
2+10	0.0691	0.52	Q				
2+15	0.0727	0.52	Q				
2+20	0.0763	0.52	Q				
2+25	0.0799	0.53	Q				
2+30	0.0836	0.53	Q				
2+35	0.0873	0.54	Q				
2+40	0.0914	0.60	Q				
2+45	0.0957	0.63	Q				
2+50	0.1002	0.65	Q				
2+55	0.1047	0.65	Q				
3+ 0	0.1092	0.66	Q				
3+ 5	0.1137	0.66	Q				
3+10	0.1183	0.66	Q				
3+15	0.1228	0.66	Q				
3+20	0.1273	0.66	Q				
3+25	0.1318	0.66	Q				
3+30	0.1364	0.66	Q				
3+35	0.1409	0.66	Q				
3+40	0.1454	0.66	Q				
3+45	0.1499	0.66	Q				
3+50	0.1546	0.67	Q				
3+55	0.1596	0.73	Q				
4+ 0	0.1649	0.76	VQ				
4+ 5	0.1702	0.78	VQ				
4+10	0.1756	0.78	VQ				
4+15	0.1810	0.79	|Q				
4+20	0.1865	0.80	|Q				
4+25	0.1925	0.86	|Q				
4+30	0.1987	0.90	|Q				
4+35	0.2049	0.91	|Q				
4+40	0.2112	0.92	|Q				
4+45	0.2175	0.92	|Q				
4+50	0.2240	0.93	|Q				
4+55	0.2308	0.99	|Q				





AREA TRIBUTARY TO CP2

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae23100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 2
6/13/23

Drainage Area = 100.31(Ac.) = 0.157 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 100.31(Ac.) = 0.157 Sq. Mi.
Length along longest watercourse = 3736.00(Ft.)
Length along longest watercourse measured to centroid = 1638.00(Ft.)
Length along longest watercourse = 0.708 Mi.
Length along longest watercourse measured to centroid = 0.310 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 203.5118 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.172 Hr.
Lag time = 10.32 Min.
25% of lag time = 2.58 Min.
40% of lag time = 4.13 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
100.31	0.94	94.29

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
100.31	1.97	197.61

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 1.969(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.310	51.00	0.000
46.630	70.00	0.000
9.760	80.00	0.000
43.610	84.00	0.000

Total Area Entered = 100.31(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.003	0.002
70.0	70.0	0.362	0.000	0.362	0.465	0.168
80.0	80.0	0.244	0.000	0.244	0.097	0.024
84.0	84.0	0.198	0.000	0.198	0.435	0.086
					Sum (F) =	0.280

Area averaged mean soil loss (F) (In/Hr) = 0.280
Minimum soil loss rate ((In/Hr)) = 0.140
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	48.464	4.096	4.141
2	0.167	96.928	18.518	18.720
3	0.250	145.392	38.448	38.868
4	0.333	193.856	15.267	15.434
5	0.417	242.320	8.586	8.680
6	0.500	290.784	5.618	5.680
7	0.583	339.248	3.780	3.822
8	0.667	387.712	2.396	2.422
9	0.750	436.176	1.309	1.323
10	0.833	484.640	0.582	0.588
11	0.917	533.104	0.443	0.448
12	1.000	581.568	0.321	0.325
13	1.083	630.032	0.345	0.348
14	1.167	678.496	0.191	0.193
15	1.250	726.960	0.100	0.101
			Sum = 100.000	Sum= 101.094

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	(0.280)	0.276	0.031
2	0.17	1.30	0.307	(0.280)	0.276	0.031
3	0.25	1.10	0.260	(0.280)	0.234	0.026
4	0.33	1.50	0.354	0.280	(0.319)	0.074
5	0.42	1.50	0.354	0.280	(0.319)	0.074
6	0.50	1.80	0.425	0.280	(0.383)	0.145
7	0.58	1.50	0.354	0.280	(0.319)	0.074
8	0.67	1.80	0.425	0.280	(0.383)	0.145
9	0.75	1.80	0.425	0.280	(0.383)	0.145
10	0.83	1.50	0.354	0.280	(0.319)	0.074
11	0.92	1.60	0.378	0.280	(0.340)	0.098
12	1.00	1.80	0.425	0.280	(0.383)	0.145
13	1.08	2.20	0.520	0.280	(0.468)	0.240
14	1.17	2.20	0.520	0.280	(0.468)	0.240
15	1.25	2.20	0.520	0.280	(0.468)	0.240
16	1.33	2.00	0.473	0.280	(0.425)	0.193
17	1.42	2.60	0.614	0.280	(0.553)	0.334
18	1.50	2.70	0.638	0.280	(0.574)	0.358
19	1.58	2.40	0.567	0.280	(0.510)	0.287
20	1.67	2.70	0.638	0.280	(0.574)	0.358
21	1.75	3.30	0.780	0.280	(0.702)	0.500
22	1.83	3.10	0.733	0.280	(0.659)	0.453
23	1.92	2.90	0.685	0.280	(0.617)	0.405
24	2.00	3.00	0.709	0.280	(0.638)	0.429
25	2.08	3.10	0.733	0.280	(0.659)	0.453
26	2.17	4.20	0.992	0.280	(0.893)	0.712
27	2.25	5.00	1.181	0.280	(1.063)	0.901
28	2.33	3.50	0.827	0.280	(0.744)	0.547
29	2.42	6.80	1.607	0.280	(1.446)	1.327
30	2.50	7.30	1.725	0.280	(1.552)	1.445
31	2.58	8.20	1.938	0.280	(1.744)	1.658
32	2.67	5.90	1.394	0.280	(1.255)	1.114
33	2.75	2.00	0.473	0.280	(0.425)	0.193
34	2.83	1.80	0.425	0.280	(0.383)	0.145
35	2.92	1.80	0.425	0.280	(0.383)	0.145
36	3.00	0.60	0.142	(0.280)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 13.8

Flood volume = Effective rainfall 1.15(In)
times area 100.3(Ac.)/[(In)/(Ft.)] = 9.6(Ac.Ft)
Total soil loss = 0.82(In)
Total soil loss = 6.879(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 417373.0 Cubic Feet
Total soil loss = 299639.1 Cubic Feet

Peak flow rate of this hydrograph = 129.698(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0009	0.13	Q	|	|	|	|
0+10	0.0057	0.70	Q	|	|	|	|
0+15	0.0186	1.88	Q	|	|	|	|
0+20	0.0356	2.46	Q	|	|	|	|
0+25	0.0594	3.45	Q	|	|	|	|
0+30	0.0989	5.73	VQ	|	|	|	|
0+35	0.1512	7.59	VQ	|	|	|	|
0+40	0.2186	9.78	VQ	|	|	|	|
0+45	0.2857	9.75	|Q	|	|	|	|
0+50	0.3678	11.92	|VQ	|	|	|	|
0+55	0.4484	11.70	|VQ	|	|	|	|
1+ 0	0.5182	10.14	| Q	|	|	|	|
1+ 5	0.5979	11.58	| Q	|	|	|	|
1+10	0.7023	15.15	| VQ	|	|	|	|
1+15	0.8366	19.50	| Q	|	|	|	|
1+20	0.9821	21.14	| Q	|	|	|	|
1+25	1.1329	21.89	| Q	|	|	|	|
1+30	1.2949	23.52	| QV	|	|	|	|
1+35	1.4942	28.93	| QV	|	|	|	|
1+40	1.7069	30.89	| QV	|	|	|	|
1+45	1.9240	31.52	| Q V	|	|	|	|
1+50	2.1757	36.54	| Q V|	|	|	|	|
1+55	2.4654	42.07	| Q V	|	|	|	|
2+ 0	2.7564	42.26	| Q |V	|	|	|	|
2+ 5	3.0447	41.86	| Q | V	|	|	|	|
2+10	3.3490	44.18	| Q | V	|	|	|	|
2+15	3.7011	51.13	| Q V	|	|	|	|
2+20	4.1409	63.86	| Q V	|	|	|	|
2+25	4.6375	72.11	| Q V|	|	|	|	|
2+30	5.1800	78.77	| Q |V	|	|	|	|
2+35	5.9373	109.97	| |Q V	|	|	|	|
2+40	6.8149	127.43	| | Q V	|	|	|	|
2+45	7.7082	129.70	| | Q | V	|	|	|	|
2+50	8.3922	99.32	| | Q| | V |	|	|	|	|
2+55	8.8003	59.26	| |Q | | V |	|	|	|	|
3+ 0	9.0843	41.24	| Q | | V |	|	|	|	|
3+ 5	9.2840	29.00	| Q | | V |	|	|	|	|
3+10	9.4014	17.04	| Q | | V |	|	|	|	|
3+15	9.4707	10.06	| Q | | V |	|	|	|	|
3+20	9.5115	5.94	|Q | | V |	|	|	|	|
3+25	9.5375	3.77	Q | | V |	|	|	|	|
3+30	9.5552	2.57	Q | | V |	|	|	|	|
3+35	9.5672	1.75	Q | | V |	|	|	|	|
3+40	9.5747	1.09	Q | | V |	|	|	|	|
3+45	9.5787	0.57	Q | | V |	|	|	|	|
3+50	9.5804	0.25	Q | | V |	|	|	|	|
3+55	9.5811	0.10	Q | | V |	|	|	|	|
4+ 0	9.5814	0.05	Q | | V |	|	|	|	|
4+ 5	9.5816	0.02	Q | | V |	|	|	|	|
4+10	9.5816	0.00	Q | | V |	|	|	|	| V

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        U n i t   H y d r o g r a p h   A n a l y s i s

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                Study date  06/13/23 File: mesae26100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
EXISTING CONDITION
AREA 2
6/13/23
--------------------------------------------------------------------------
Drainage Area =     100.31(Ac.)  =      0.157 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     100.31(Ac.)  =
0.157 Sq. Mi.
Length along longest watercourse =    3736.00(Ft.)
Length along longest watercourse measured to centroid =    1638.00(Ft.)
Length along longest watercourse =      0.708 Mi.
Length along longest watercourse measured to centroid =      0.310 Mi.
Difference in elevation =     144.00(Ft.)
Slope along watercourse =    203.5118 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.172 Hr.
Lag time =    10.32 Min.
25% of lag time =     2.58 Min.
40% of lag time =     4.13 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      100.31             1.35                 135.42

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      100.31             2.78                 278.86

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.97 %
Adjusted average point rain =    2.779(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.310           51.00          0.000
    46.630           70.00          0.000
     9.760           80.00          0.000
    43.610           84.00          0.000
 Total Area Entered =    100.31(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562       0.003      0.002
70.0  70.0      0.362     0.000        0.362       0.465      0.168
80.0  80.0      0.244     0.000        0.244       0.097      0.024
84.0  84.0      0.198     0.000        0.198       0.435      0.086
                                                 Sum (F) =   0.280
Area averaged mean soil loss (F) (In/Hr) =  0.280
Minimum soil loss rate ((In/Hr)) =  0.140
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        48.464          4.096             4.141
    2   0.167        96.928         18.518            18.720
    3   0.250       145.392         38.448            38.868
    4   0.333       193.856         15.267            15.434
    5   0.417       242.320          8.586             8.680
    6   0.500       290.784          5.618             5.680
    7   0.583       339.248          3.780             3.822
    8   0.667       387.712          2.396             2.422
    9   0.750       436.176          1.309             1.323
   10   0.833       484.640          0.582             0.588
   11   0.917       533.104          0.443             0.448
   12   1.000       581.568          0.321             0.325
   13   1.083       630.032          0.345             0.348
   14   1.167       678.496          0.191             0.193
   15   1.250       726.960          0.100             0.101
                                Sum = 100.000   Sum=     101.094
--------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value
```

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.280)	0.150	0.017
2	0.17	0.60	0.200	(0.280)	0.180	0.020
3	0.25	0.60	0.200	(0.280)	0.180	0.020
4	0.33	0.60	0.200	(0.280)	0.180	0.020
5	0.42	0.60	0.200	(0.280)	0.180	0.020
6	0.50	0.70	0.233	(0.280)	0.210	0.023
7	0.58	0.70	0.233	(0.280)	0.210	0.023
8	0.67	0.70	0.233	(0.280)	0.210	0.023
9	0.75	0.70	0.233	(0.280)	0.210	0.023
10	0.83	0.70	0.233	(0.280)	0.210	0.023
11	0.92	0.70	0.233	(0.280)	0.210	0.023
12	1.00	0.80	0.267	(0.280)	0.240	0.027
13	1.08	0.80	0.267	(0.280)	0.240	0.027
14	1.17	0.80	0.267	(0.280)	0.240	0.027
15	1.25	0.80	0.267	(0.280)	0.240	0.027
16	1.33	0.80	0.267	(0.280)	0.240	0.027
17	1.42	0.80	0.267	(0.280)	0.240	0.027
18	1.50	0.80	0.267	(0.280)	0.240	0.027
19	1.58	0.80	0.267	(0.280)	0.240	0.027
20	1.67	0.80	0.267	(0.280)	0.240	0.027
21	1.75	0.80	0.267	(0.280)	0.240	0.027
22	1.83	0.80	0.267	(0.280)	0.240	0.027
23	1.92	0.80	0.267	(0.280)	0.240	0.027
24	2.00	0.90	0.300	(0.280)	0.270	0.030
25	2.08	0.80	0.267	(0.280)	0.240	0.027
26	2.17	0.90	0.300	(0.280)	0.270	0.030
27	2.25	0.90	0.300	(0.280)	0.270	0.030
28	2.33	0.90	0.300	(0.280)	0.270	0.030
29	2.42	0.90	0.300	(0.280)	0.270	0.030
30	2.50	0.90	0.300	(0.280)	0.270	0.030
31	2.58	0.90	0.300	(0.280)	0.270	0.030
32	2.67	0.90	0.300	(0.280)	0.270	0.030
33	2.75	1.00	0.333	0.280	(0.300)	0.053
34	2.83	1.00	0.333	0.280	(0.300)	0.053
35	2.92	1.00	0.333	0.280	(0.300)	0.053
36	3.00	1.00	0.333	0.280	(0.300)	0.053
37	3.08	1.00	0.333	0.280	(0.300)	0.053
38	3.17	1.10	0.367	0.280	(0.330)	0.087
39	3.25	1.10	0.367	0.280	(0.330)	0.087
40	3.33	1.10	0.367	0.280	(0.330)	0.087
41	3.42	1.20	0.400	0.280	(0.360)	0.120
42	3.50	1.30	0.434	0.280	(0.390)	0.154
43	3.58	1.40	0.467	0.280	(0.420)	0.187
44	3.67	1.40	0.467	0.280	(0.420)	0.187
45	3.75	1.50	0.500	0.280	(0.450)	0.220
46	3.83	1.50	0.500	0.280	(0.450)	0.220
47	3.92	1.60	0.534	0.280	(0.480)	0.254
48	4.00	1.60	0.534	0.280	(0.480)	0.254
49	4.08	1.70	0.567	0.280	(0.510)	0.287
50	4.17	1.80	0.600	0.280	(0.540)	0.320
51	4.25	1.90	0.634	0.280	(0.570)	0.354
52	4.33	2.00	0.667	0.280	(0.600)	0.387
53	4.42	2.10	0.700	0.280	(0.630)	0.420
54	4.50	2.10	0.700	0.280	(0.630)	0.420
55	4.58	2.20	0.734	0.280	(0.660)	0.454
56	4.67	2.30	0.767	0.280	(0.690)	0.487
57	4.75	2.40	0.800	0.280	(0.720)	0.520
58	4.83	2.40	0.800	0.280	(0.720)	0.520
59	4.92	2.50	0.834	0.280	(0.750)	0.554
60	5.00	2.60	0.867	0.280	(0.780)	0.587
61	5.08	3.10	1.034	0.280	(0.930)	0.754
62	5.17	3.60	1.201	0.280	(1.080)	0.921
63	5.25	3.90	1.301	0.280	(1.171)	1.021
64	5.33	4.20	1.401	0.280	(1.261)	1.121
65	5.42	4.70	1.567	0.280	(1.411)	1.287
66	5.50	5.60	1.868	0.280	(1.681)	1.588
67	5.58	1.90	0.634	0.280	(0.570)	0.354
68	5.67	0.90	0.300	(0.280)	0.270	0.030
69	5.75	0.60	0.200	(0.280)	0.180	0.020
70	5.83	0.50	0.167	(0.280)	0.150	0.017
71	5.92	0.30	0.100	(0.280)	0.090	0.010
72	6.00	0.20	0.067	(0.280)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.4

Flood volume = Effective rainfall 1.28(In)
times area 100.3(Ac.)/[(In)/(Ft.)] = 10.7(Ac.Ft)
Total soil loss = 1.50(In)
Total soil loss = 12.514(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 466821.0 Cubic Feet
Total soil loss = 545098.3 Cubic Feet

Peak flow rate of this hydrograph = 118.679(CFS)

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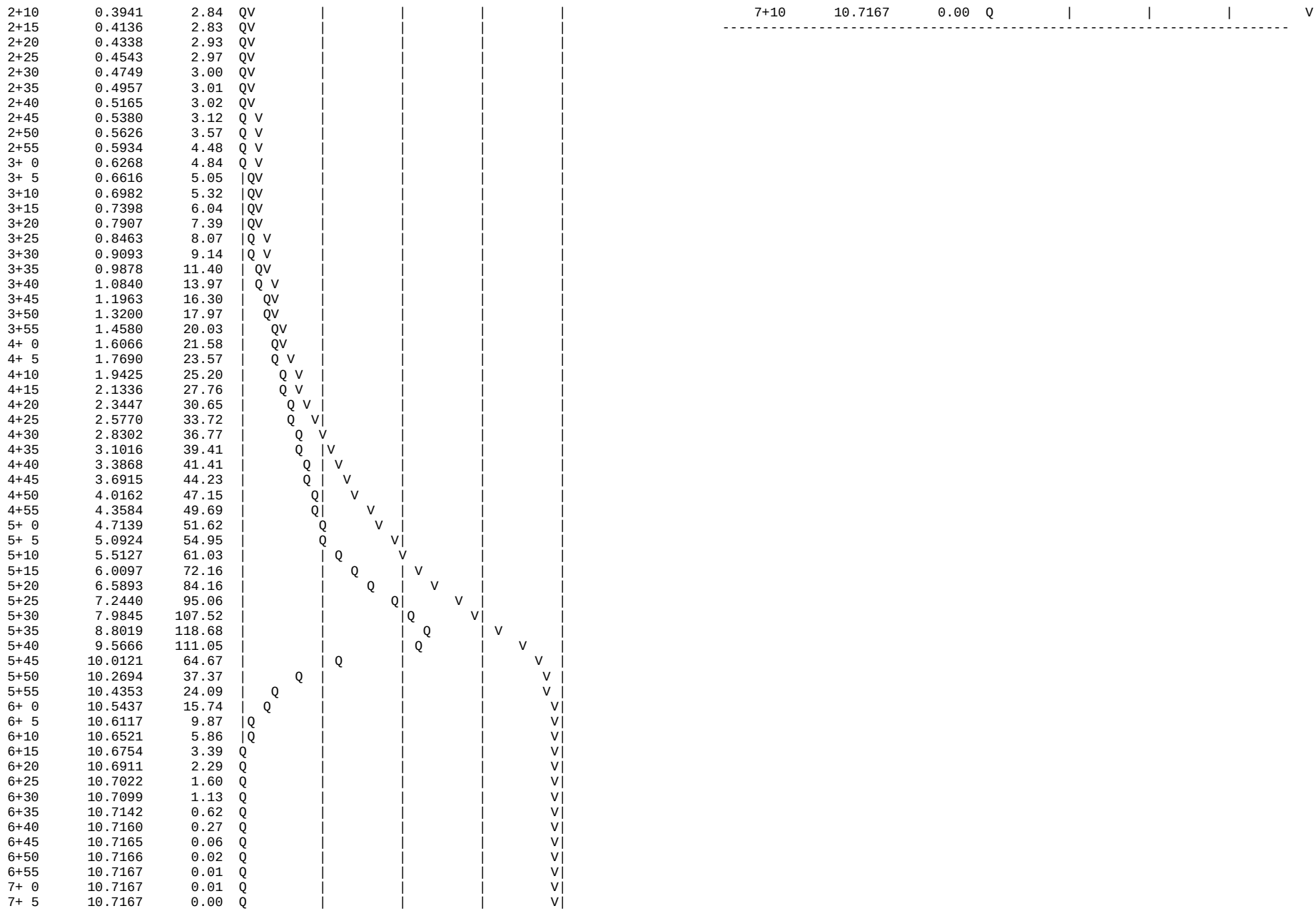
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0005	0.07	Q	|	|	|	|
0+10	0.0032	0.40	Q	|	|	|	|
0+15	0.0108	1.11	Q	|	|	|	|
0+20	0.0211	1.49	Q	|	|	|	|
0+25	0.0327	1.69	Q	|	|	|	|
0+30	0.0453	1.83	Q	|	|	|	|
0+35	0.0589	1.97	Q	|	|	|	|
0+40	0.0737	2.16	Q	|	|	|	|
0+45	0.0891	2.24	Q	|	|	|	|
0+50	0.1049	2.28	Q	|	|	|	|
0+55	0.1207	2.31	Q	|	|	|	|
1+ 0	0.1369	2.34	Q	|	|	|	|
1+ 5	0.1535	2.42	Q	|	|	|	|
1+10	0.1712	2.56	Q	|	|	|	|
1+15	0.1892	2.61	Q	|	|	|	|
1+20	0.2074	2.64	Q	|	|	|	|
1+25	0.2257	2.66	Q	|	|	|	|
1+30	0.2442	2.68	Q	|	|	|	|
1+35	0.2627	2.69	Q	|	|	|	|
1+40	0.2812	2.69	QV	|	|	|	|
1+45	0.2998	2.69	QV	|	|	|	|
1+50	0.3183	2.70	QV	|	|	|	|
1+55	0.3369	2.70	QV	|	|	|	|
2+ 0	0.3556	2.71	QV	|	|	|	|
2+ 5	0.3746	2.76	QV	|	|	|	|


2+10 0.3941 2.84
2+15 0.4136 2.83
2+20 0.4338 2.93
2+25 0.4543 2.97
2+30 0.4749 3.00
2+35 0.4957 3.01
2+40 0.5165 3.02
2+45 0.5380 3.12
2+50 0.5626 3.57
2+55 0.5934 4.48
3+ 0 0.6268 4.84
3+ 5 0.6616 5.05
3+10 0.6982 5.32
3+15 0.7398 6.04
3+20 0.7907 7.39
3+25 0.8463 8.07
3+30 0.9093 9.14
3+35 0.9878 11.40
3+40 1.0840 13.97
3+45 1.1963 16.30
3+50 1.3200 17.97
3+55 1.4580 20.03
4+ 0 1.6066 21.58
4+ 5 1.7690 23.57
4+10 1.9425 25.20
4+15 2.1336 27.76
4+20 2.3447 30.65
4+25 2.5770 33.72
4+30 2.8302 36.77
4+35 3.1016 39.41
4+40 3.3868 41.41
4+45 3.6915 44.23
4+50 4.0162 47.15
4+55 4.3584 49.69
5+ 0 4.7139 51.62
5+ 5 5.0924 54.95
5+10 5.5127 61.03
5+15 6.0097 72.16
5+20 6.5893 84.16
5+25 7.2440 95.06
5+30 7.9845 107.52
5+35 8.8019 118.68
5+40 9.5666 111.05
5+45 10.0121 64.67
5+50 10.2694 37.37
5+55 10.4353 24.09
6+ 0 10.5437 15.74
6+ 5 10.6117 9.87
6+10 10.6521 5.86
6+15 10.6754 3.39
6+20 10.6911 2.29
6+25 10.7022 1.60
6+30 10.7099 1.13
6+35 10.7142 0.62
6+40 10.7160 0.27
6+45 10.7165 0.06
6+50 10.7166 0.02
6+55 10.7167 0.01
7+ 0 10.7167 0.01
7+ 5 10.7167 0.00
7+10 10.7167 0.00
Q
V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae224100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 2
6/13/23

Drainage Area = 100.31(Ac.) = 0.157 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 100.31(Ac.) = 0.157 Sq. Mi.
Length along longest watercourse = 3736.00(Ft.)
Length along longest watercourse measured to centroid = 1638.00(Ft.)
Length along longest watercourse = 0.708 Mi.
Length along longest watercourse measured to centroid = 0.310 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 203.5118 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.172 Hr.
Lag time = 10.32 Min.
25% of lag time = 2.58 Min.
40% of lag time = 4.13 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
100.31	2.45	245.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
100.31	6.08	609.88

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 6.079(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.310	51.00	0.000
46.630	70.00	0.000
9.760	80.00	0.000
43.610	84.00	0.000

Total Area Entered = 100.31(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.003	0.002
70.0	70.0	0.362	0.000	0.362	0.465	0.168
80.0	80.0	0.244	0.000	0.244	0.097	0.024
84.0	84.0	0.198	0.000	0.198	0.435	0.086
					Sum (F) =	0.280

Area averaged mean soil loss (F) (In/Hr) = 0.280
Minimum soil loss rate ((In/Hr)) = 0.140
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	48.464	4.096	4.141
2	0.167	96.928	18.518	18.720
3	0.250	145.392	38.448	38.868
4	0.333	193.856	15.267	15.434
5	0.417	242.320	8.586	8.680
6	0.500	290.784	5.618	5.680
7	0.583	339.248	3.780	3.822
8	0.667	387.712	2.396	2.422
9	0.750	436.176	1.309	1.323
10	0.833	484.640	0.582	0.588
11	0.917	533.104	0.443	0.448
12	1.000	581.568	0.321	0.325
13	1.083	630.032	0.345	0.348
14	1.167	678.496	0.191	0.193
15	1.250	726.960	0.100	0.101
			Sum = 100.000	Sum= 101.094

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.496)	0.044	0.005
2	0.17	0.07	0.049	(0.494)	0.044	0.005
3	0.25	0.07	0.049	(0.493)	0.044	0.005
4	0.33	0.10	0.073	(0.491)	0.066	0.007
5	0.42	0.10	0.073	(0.489)	0.066	0.007
6	0.50	0.10	0.073	(0.487)	0.066	0.007
7	0.58	0.10	0.073	(0.485)	0.066	0.007
8	0.67	0.10	0.073	(0.483)	0.066	0.007
9	0.75	0.10	0.073	(0.481)	0.066	0.007
10	0.83	0.13	0.097	(0.479)	0.088	0.010
11	0.92	0.13	0.097	(0.477)	0.088	0.010
12	1.00	0.13	0.097	(0.475)	0.088	0.010
13	1.08	0.10	0.073	(0.474)	0.066	0.007
14	1.17	0.10	0.073	(0.472)	0.066	0.007
15	1.25	0.10	0.073	(0.470)	0.066	0.007
16	1.33	0.10	0.073	(0.468)	0.066	0.007
17	1.42	0.10	0.073	(0.466)	0.066	0.007
18	1.50	0.10	0.073	(0.464)	0.066	0.007
19	1.58	0.10	0.073	(0.462)	0.066	0.007
20	1.67	0.10	0.073	(0.461)	0.066	0.007
21	1.75	0.10	0.073	(0.459)	0.066	0.007
22	1.83	0.13	0.097	(0.457)	0.088	0.010
23	1.92	0.13	0.097	(0.455)	0.088	0.010
24	2.00	0.13	0.097	(0.453)	0.088	0.010
25	2.08	0.13	0.097	(0.451)	0.088	0.010
26	2.17	0.13	0.097	(0.450)	0.088	0.010
27	2.25	0.13	0.097	(0.448)	0.088	0.010
28	2.33	0.13	0.097	(0.446)	0.088	0.010
29	2.42	0.13	0.097	(0.444)	0.088	0.010
30	2.50	0.13	0.097	(0.442)	0.088	0.010
31	2.58	0.17	0.122	(0.440)	0.109	0.012
32	2.67	0.17	0.122	(0.439)	0.109	0.012
33	2.75	0.17	0.122	(0.437)	0.109	0.012
34	2.83	0.17	0.122	(0.435)	0.109	0.012
35	2.92	0.17	0.122	(0.433)	0.109	0.012
36	3.00	0.17	0.122	(0.431)	0.109	0.012
37	3.08	0.17	0.122	(0.430)	0.109	0.012
38	3.17	0.17	0.122	(0.428)	0.109	0.012
39	3.25	0.17	0.122	(0.426)	0.109	0.012
40	3.33	0.17	0.122	(0.424)	0.109	0.012
41	3.42	0.17	0.122	(0.423)	0.109	0.012
42	3.50	0.17	0.122	(0.421)	0.109	0.012
43	3.58	0.17	0.122	(0.419)	0.109	0.012
44	3.67	0.17	0.122	(0.417)	0.109	0.012
45	3.75	0.17	0.122	(0.415)	0.109	0.012
46	3.83	0.20	0.146	(0.414)	0.131	0.015
47	3.92	0.20	0.146	(0.412)	0.131	0.015
48	4.00	0.20	0.146	(0.410)	0.131	0.015
49	4.08	0.20	0.146	(0.409)	0.131	0.015
50	4.17	0.20	0.146	(0.407)	0.131	0.015
51	4.25	0.20	0.146	(0.405)	0.131	0.015
52	4.33	0.23	0.170	(0.403)	0.153	0.017
53	4.42	0.23	0.170	(0.402)	0.153	0.017
54	4.50	0.23	0.170	(0.400)	0.153	0.017
55	4.58	0.23	0.170	(0.398)	0.153	0.017
56	4.67	0.23	0.170	(0.396)	0.153	0.017
57	4.75	0.23	0.170	(0.395)	0.153	0.017
58	4.83	0.27	0.195	(0.393)	0.175	0.019
59	4.92	0.27	0.195	(0.391)	0.175	0.019
60	5.00	0.27	0.195	(0.390)	0.175	0.019
61	5.08	0.20	0.146	(0.388)	0.131	0.015
62	5.17	0.20	0.146	(0.386)	0.131	0.015
63	5.25	0.20	0.146	(0.385)	0.131	0.015
64	5.33	0.23	0.170	(0.383)	0.153	0.017
65	5.42	0.23	0.170	(0.381)	0.153	0.017
66	5.50	0.23	0.170	(0.380)	0.153	0.017
67	5.58	0.27	0.195	(0.378)	0.175	0.019
68	5.67	0.27	0.195	(0.376)	0.175	0.019
69	5.75	0.27	0.195	(0.375)	0.175	0.019
70	5.83	0.27	0.195	(0.373)	0.175	0.019
71	5.92	0.27	0.195	(0.371)	0.175	0.019
72	6.00	0.27	0.195	(0.370)	0.175	0.019
73	6.08	0.30	0.219	(0.368)	0.197	0.022
74	6.17	0.30	0.219	(0.366)	0.197	0.022
75	6.25	0.30	0.219	(0.365)	0.197	0.022
76	6.33	0.30	0.219	(0.363)	0.197	0.022
77	6.42	0.30	0.219	(0.361)	0.197	0.022
78	6.50	0.30	0.219	(0.360)	0.197	0.022
79	6.58	0.33	0.243	(0.358)	0.219	0.024
80	6.67	0.33	0.243	(0.357)	0.219	0.024
81	6.75	0.33	0.243	(0.355)	0.219	0.024
82	6.83	0.33	0.243	(0.353)	0.219	0.024
83	6.92	0.33	0.243	(0.352)	0.219	0.024
84	7.00	0.33	0.243	(0.350)	0.219	0.024
85	7.08	0.33	0.243	(0.349)	0.219	0.024
86	7.17	0.33	0.243	(0.347)	0.219	0.024
87	7.25	0.33	0.243	(0.345)	0.219	0.024
88	7.33	0.37	0.267	(0.344)	0.241	0.027
89	7.42	0.37	0.267	(0.342)	0.241	0.027
90	7.50	0.37	0.267	(0.341)	0.241	0.027
91	7.58	0.40	0.292	(0.339)	0.263	0.029
92	7.67	0.40	0.292	(0.338)	0.263	0.029
93	7.75	0.40	0.292	(0.336)	0.263	0.029
94	7.83	0.43	0.316	(0.334)	0.284	0.032
95	7.92	0.43	0.316	(0.333)	0.284	0.032
96	8.00	0.43	0.316	(0.331)	0.284	0.032
97	8.08	0.50	0.365	(0.330)	0.328	0.036
98	8.17	0.50	0.365	(0.328)	0.328	0.036
99	8.25	0.50	0.365	0.327	(0.328)	0.038
100	8.33	0.50	0.365	0.325	(0.328)	0.039
101	8.42	0.50	0.365	0.324	(0.328)	0.041
102	8.50	0.50	0.365	0.322	(0.328)	0.043
103	8.58	0.53	0.389	0.321	(0.350)	0.068
104	8.67	0.53	0.389	0.319	(0.350)	0.070
105	8.75	0.53	0.389	0.318	(0.350)	0.071
106	8.83	0.57	0.413	0.316	(0.372)	0.097
107	8.92	0.57	0.413	0.315	(0.372)	0.099
108	9.00	0.57	0.413	0.313	(0.372)	0.100
109	9.08	0.63	0.462	0.312	(0.416)	0.150
110	9.17	0.63	0.462	0.310	(0.416)	0.152
111	9.25	0.63	0.462	0.309	(0.416)	0.153
112	9.33	0.67	0.486	0.307	(0.438)	0.179
113	9.42	0.67	0.486	0.306	(0.438)	0.180
114	9.50	0.67	0.486	0.304	(0.438)	0.182
115	9.58	0.70	0.511	0.303	(0.460)	0.208
116	9.67	0.70	0.511	0.301	(0.460)	0.209
117	9.75	0.70	0.511	0.300	(0.460)	0.211
118	9.83	0.73	0.535	0.299	(0.481)	0.236

119	9.92	0.73	0.535	0.297	(0.481)	0.238
120	10.00	0.73	0.535	0.296	(0.481)	0.239
121	10.08	0.50	0.365	0.294	(0.328)	0.070
122	10.17	0.50	0.365	0.293	(0.328)	0.072
123	10.25	0.50	0.365	0.291	(0.328)	0.073
124	10.33	0.50	0.365	0.290	(0.328)	0.075
125	10.42	0.50	0.365	0.289	(0.328)	0.076
126	10.50	0.50	0.365	0.287	(0.328)	0.078
127	10.58	0.67	0.486	0.286	(0.438)	0.201
128	10.67	0.67	0.486	0.284	(0.438)	0.202
129	10.75	0.67	0.486	0.283	(0.438)	0.203
130	10.83	0.67	0.486	0.282	(0.438)	0.205
131	10.92	0.67	0.486	0.280	(0.438)	0.206
132	11.00	0.67	0.486	0.279	(0.438)	0.207
133	11.08	0.63	0.462	0.277	(0.416)	0.185
134	11.17	0.63	0.462	0.276	(0.416)	0.186
135	11.25	0.63	0.462	0.275	(0.416)	0.187
136	11.33	0.63	0.462	0.273	(0.416)	0.189
137	11.42	0.63	0.462	0.272	(0.416)	0.190
138	11.50	0.63	0.462	0.271	(0.416)	0.191
139	11.58	0.57	0.413	0.269	(0.372)	0.144
140	11.67	0.57	0.413	0.268	(0.372)	0.145
141	11.75	0.57	0.413	0.267	(0.372)	0.147
142	11.83	0.60	0.438	0.265	(0.394)	0.172
143	11.92	0.60	0.438	0.264	(0.394)	0.174
144	12.00	0.60	0.438	0.263	(0.394)	0.175
145	12.08	0.83	0.608	0.261	(0.547)	0.346
146	12.17	0.83	0.608	0.260	(0.547)	0.348
147	12.25	0.83	0.608	0.259	(0.547)	0.349
148	12.33	0.87	0.632	0.257	(0.569)	0.375
149	12.42	0.87	0.632	0.256	(0.569)	0.376
150	12.50	0.87	0.632	0.255	(0.569)	0.377
151	12.58	0.93	0.681	0.254	(0.613)	0.427
152	12.67	0.93	0.681	0.252	(0.613)	0.428
153	12.75	0.93	0.681	0.251	(0.613)	0.430
154	12.83	0.97	0.705	0.250	(0.635)	0.455
155	12.92	0.97	0.705	0.249	(0.635)	0.457
156	13.00	0.97	0.705	0.247	(0.635)	0.458
157	13.08	1.13	0.827	0.246	(0.744)	0.581
158	13.17	1.13	0.827	0.245	(0.744)	0.582
159	13.25	1.13	0.827	0.244	(0.744)	0.583
160	13.33	1.13	0.827	0.242	(0.744)	0.584
161	13.42	1.13	0.827	0.241	(0.744)	0.586
162	13.50	1.13	0.827	0.240	(0.744)	0.587
163	13.58	0.77	0.559	0.239	(0.503)	0.321
164	13.67	0.77	0.559	0.237	(0.503)	0.322
165	13.75	0.77	0.559	0.236	(0.503)	0.323
166	13.83	0.77	0.559	0.235	(0.503)	0.324
167	13.92	0.77	0.559	0.234	(0.503)	0.325
168	14.00	0.77	0.559	0.233	(0.503)	0.327
169	14.08	0.90	0.657	0.231	(0.591)	0.425
170	14.17	0.90	0.657	0.230	(0.591)	0.426
171	14.25	0.90	0.657	0.229	(0.591)	0.427
172	14.33	0.87	0.632	0.228	(0.569)	0.404
173	14.42	0.87	0.632	0.227	(0.569)	0.405
174	14.50	0.87	0.632	0.226	(0.569)	0.407
175	14.58	0.87	0.632	0.224	(0.569)	0.408
176	14.67	0.87	0.632	0.223	(0.569)	0.409
177	14.75	0.87	0.632	0.222	(0.569)	0.410
178	14.83	0.83	0.608	0.221	(0.547)	0.387
179	14.92	0.83	0.608	0.220	(0.547)	0.388
180	15.00	0.83	0.608	0.219	(0.547)	0.389
181	15.08	0.80	0.584	0.218	(0.525)	0.366
182	15.17	0.80	0.584	0.216	(0.525)	0.367
183	15.25	0.80	0.584	0.215	(0.525)	0.368
184	15.33	0.77	0.559	0.214	(0.503)	0.345
185	15.42	0.77	0.559	0.213	(0.503)	0.346
186	15.50	0.77	0.559	0.212	(0.503)	0.347
187	15.58	0.63	0.462	0.211	(0.416)	0.251
188	15.67	0.63	0.462	0.210	(0.416)	0.252
189	15.75	0.63	0.462	0.209	(0.416)	0.253
190	15.83	0.63	0.462	0.208	(0.416)	0.254
191	15.92	0.63	0.462	0.207	(0.416)	0.255
192	16.00	0.63	0.462	0.206	(0.416)	0.256
193	16.08	0.13	0.097	(0.205)	0.088	0.010
194	16.17	0.13	0.097	(0.204)	0.088	0.010
195	16.25	0.13	0.097	(0.202)	0.088	0.010
196	16.33	0.13	0.097	(0.201)	0.088	0.010
197	16.42	0.13	0.097	(0.200)	0.088	0.010
198	16.50	0.13	0.097	(0.199)	0.088	0.010
199	16.58	0.10	0.073	(0.198)	0.066	0.007
200	16.67	0.10	0.073	(0.197)	0.066	0.007
201	16.75	0.10	0.073	(0.196)	0.066	0.007
202	16.83	0.10	0.073	(0.195)	0.066	0.007
203	16.92	0.10	0.073	(0.194)	0.066	0.007
204	17.00	0.10	0.073	(0.193)	0.066	0.007
205	17.08	0.17	0.122	(0.192)	0.109	0.012
206	17.17	0.17	0.122	(0.191)	0.109	0.012
207	17.25	0.17	0.122	(0.191)	0.109	0.012
208	17.33	0.17	0.122	(0.190)	0.109	0.012
209	17.42	0.17	0.122	(0.189)	0.109	0.012
210	17.50	0.17	0.122	(0.188)	0.109	0.012
211	17.58	0.17	0.122	(0.187)	0.109	0.012
212	17.67	0.17	0.122	(0.186)	0.109	0.012
213	17.75	0.17	0.122	(0.185)	0.109	0.012
214	17.83	0.13	0.097	(0.184)	0.088	0.010
215	17.92	0.13	0.097	(0.183)	0.088	0.010
216	18.00	0.13	0.097	(0.182)	0.088	0.010
217	18.08	0.13	0.097	(0.181)	0.088	0.010
218	18.17	0.13	0.097	(0.180)	0.088	0.010
219	18.25	0.13	0.097	(0.179)	0.088	0.010
220	18.33	0.13	0.097	(0.179)	0.088	0.010
221	18.42	0.13	0.097	(0.178)	0.088	0.010
222	18.50	0.13	0.097	(0.177)	0.088	0.010
223	18.58	0.10	0.073	(0.176)	0.066	0.007
224	18.67	0.10	0.073	(0.175)	0.066	0.007
225	18.75	0.10	0.073	(0.174)	0.066	0.007
226	18.83	0.07	0.049	(0.173)	0.044	0.005
227	18.92	0.07	0.049	(0.173)	0.044	0.005
228	19.00	0.07	0.049	(0.172)	0.044	0.005
229	19.08	0.10	0.073	(0.171)	0.066	0.007
230	19.17	0.10	0.073	(0.170)	0.066	0.007
231	19.25	0.10	0.073	(0.169)	0.066	0.007
232	19.33	0.13	0.097	(0.169)	0.088	0.010
233	19.42	0.13	0.097	(0.168)	0.088	0.010
234	19.50	0.13	0.097	(0.167)	0.088	0.010
235	19.58	0.10	0.073	(0.166)	0.066	0.007
236	19.67	0.10	0.073	(0.166)	0.066	0.007
237	19.75	0.10	0.073	(0.165)	0.066	0.007
238	19.83	0.07	0.049	(0.164)	0.044	0.005

239	19.92	0.07	0.049	(0.163)	0.044	0.005
240	20.00	0.07	0.049	(0.163)	0.044	0.005
241	20.08	0.10	0.073	(0.162)	0.066	0.007
242	20.17	0.10	0.073	(0.161)	0.066	0.007
243	20.25	0.10	0.073	(0.160)	0.066	0.007
244	20.33	0.10	0.073	(0.160)	0.066	0.007
245	20.42	0.10	0.073	(0.159)	0.066	0.007
246	20.50	0.10	0.073	(0.158)	0.066	0.007
247	20.58	0.10	0.073	(0.158)	0.066	0.007
248	20.67	0.10	0.073	(0.157)	0.066	0.007
249	20.75	0.10	0.073	(0.156)	0.066	0.007
250	20.83	0.07	0.049	(0.156)	0.044	0.005
251	20.92	0.07	0.049	(0.155)	0.044	0.005
252	21.00	0.07	0.049	(0.155)	0.044	0.005
253	21.08	0.10	0.073	(0.154)	0.066	0.007
254	21.17	0.10	0.073	(0.153)	0.066	0.007
255	21.25	0.10	0.073	(0.153)	0.066	0.007
256	21.33	0.07	0.049	(0.152)	0.044	0.005
257	21.42	0.07	0.049	(0.152)	0.044	0.005
258	21.50	0.07	0.049	(0.151)	0.044	0.005
259	21.58	0.10	0.073	(0.150)	0.066	0.007
260	21.67	0.10	0.073	(0.150)	0.066	0.007
261	21.75	0.10	0.073	(0.149)	0.066	0.007
262	21.83	0.07	0.049	(0.149)	0.044	0.005
263	21.92	0.07	0.049	(0.148)	0.044	0.005
264	22.00	0.07	0.049	(0.148)	0.044	0.005
265	22.08	0.10	0.073	(0.147)	0.066	0.007
266	22.17	0.10	0.073	(0.147)	0.066	0.007
267	22.25	0.10	0.073	(0.146)	0.066	0.007
268	22.33	0.07	0.049	(0.146)	0.044	0.005
269	22.42	0.07	0.049	(0.146)	0.044	0.005
270	22.50	0.07	0.049	(0.145)	0.044	0.005
271	22.58	0.07	0.049	(0.145)	0.044	0.005
272	22.67	0.07	0.049	(0.144)	0.044	0.005
273	22.75	0.07	0.049	(0.144)	0.044	0.005
274	22.83	0.07	0.049	(0.143)	0.044	0.005
275	22.92	0.07	0.049	(0.143)	0.044	0.005
276	23.00	0.07	0.049	(0.143)	0.044	0.005
277	23.08	0.07	0.049	(0.142)	0.044	0.005
278	23.17	0.07	0.049	(0.142)	0.044	0.005
279	23.25	0.07	0.049	(0.142)	0.044	0.005
280	23.33	0.07	0.049	(0.142)	0.044	0.005
281	23.42	0.07	0.049	(0.141)	0.044	0.005
282	23.50	0.07	0.049	(0.141)	0.044	0.005
283	23.58	0.07	0.049	(0.141)	0.044	0.005
284	23.67	0.07	0.049	(0.141)	0.044	0.005
285	23.75	0.07	0.049	(0.140)	0.044	0.005
286	23.83	0.07	0.049	(0.140)	0.044	0.005
287	23.92	0.07	0.049	(0.140)	0.044	0.005
288	24.00	0.07	0.049	(0.140)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 27.8

Flood volume = Effective rainfall 2.32(In)
times area 100.3(Ac.)/[(In)/(Ft.)] = 19.4(Ac.Ft)
Total soil loss = 3.76(In)
Total soil loss = 31.417(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 844920.2 Cubic Feet
Total soil loss = 1368527.9 Cubic Feet

Peak flow rate of this hydrograph = 57.774(CFS)

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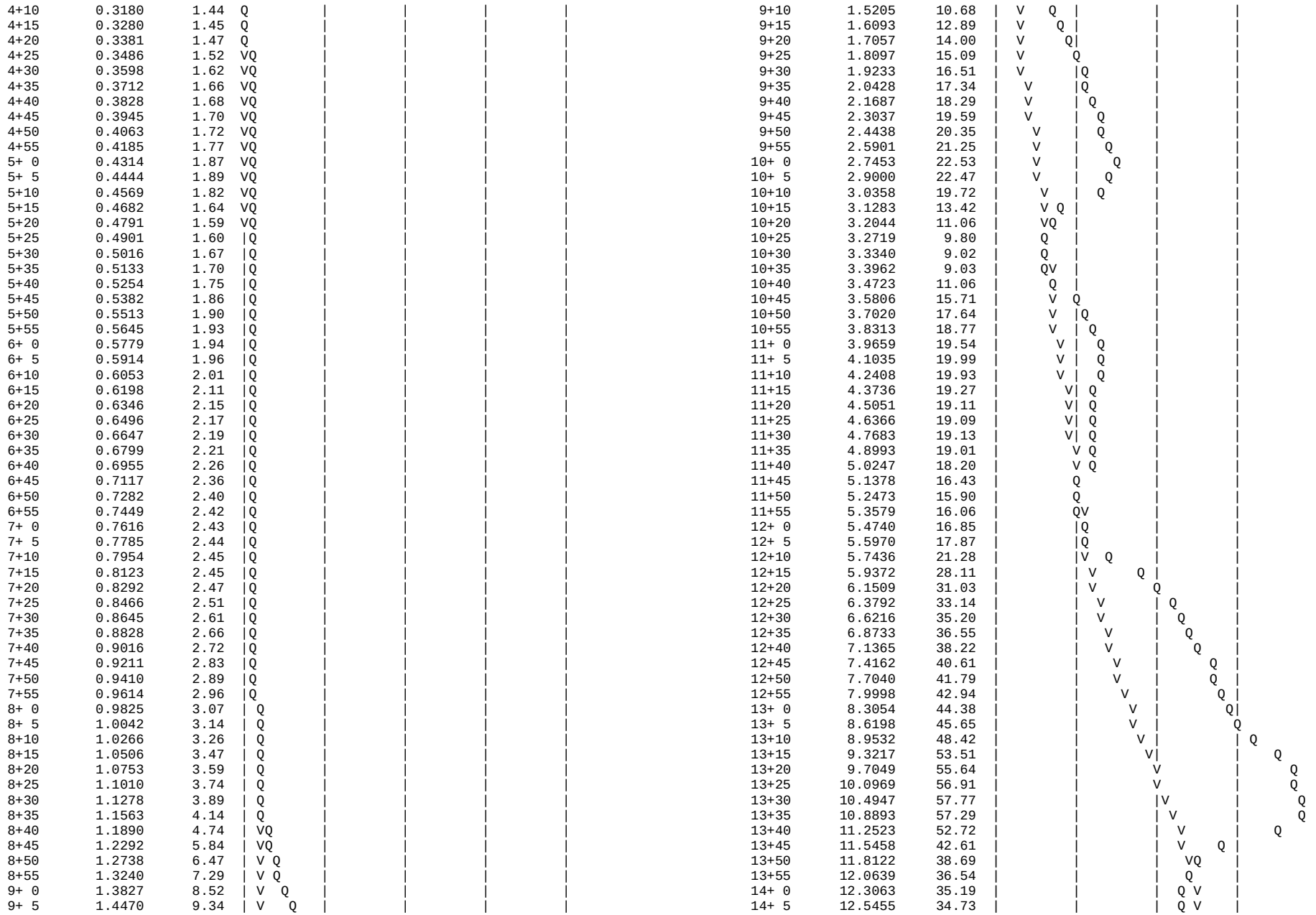
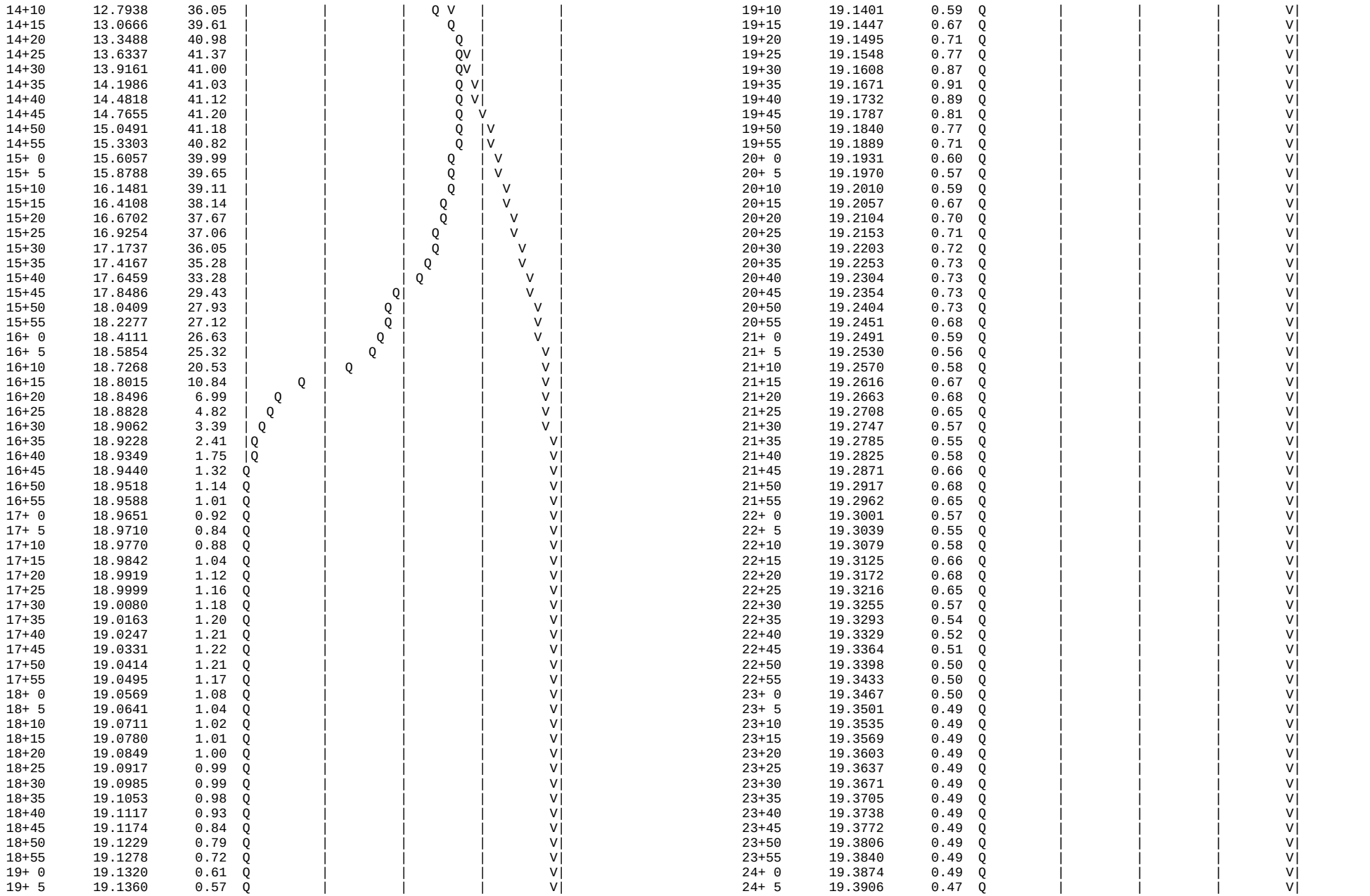
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	15.0	30.0	45.0	60.0
0+ 5	0.0001	0.02	Q	|	|	|	|
0+10	0.0009	0.11	Q	|	|	|	|
0+15	0.0030	0.30	Q	|	|	|	|
0+20	0.0056	0.39	Q	|	|	|	|
0+25	0.0089	0.47	Q	|	|	|	|
0+30	0.0130	0.60	Q	|	|	|	|
0+35	0.0175	0.65	Q	|	|	|	|
0+40	0.0222	0.68	Q	|	|	|	|
0+45	0.0270	0.70	Q	|	|	|	|
0+50	0.0321	0.73	Q	|	|	|	|
0+55	0.0374	0.78	Q	|	|	|	|
1+ 0	0.0435	0.88	Q	|	|	|	|
1+ 5	0.0498	0.91	Q	|	|	|	|
1+10	0.0559	0.89	Q	|	|	|	|
1+15	0.0614	0.81	Q	|	|	|	|
1+20	0.0668	0.78	Q	|	|	|	|
1+25	0.0721	0.77	Q	|	|	|	|
1+30	0.0773	0.76	Q	|	|	|	|
1+35	0.0825	0.75	Q	|	|	|	|
1+40	0.0876	0.74	Q	|	|	|	|
1+45	0.0927	0.74	Q	|	|	|	|
1+50	0.0979	0.75	Q	|	|	|	|
1+55	0.1033	0.80	Q	|	|	|	|
2+ 0	0.1095	0.89	Q	|	|	|	|
2+ 5	0.1158	0.93	Q	|	|	|	|
2+10	0.1224	0.95	Q	|	|	|	|
2+15	0.1290	0.96	Q	|	|	|	|
2+20	0.1357	0.97	Q	|	|	|	|
2+25	0.1424	0.98	Q	|	|	|	|
2+30	0.1491	0.98	Q	|	|	|	|
2+35	0.1559	0.99	Q	|	|	|	|
2+40	0.1631	1.04	Q	|	|	|	|
2+45	0.1709	1.13	Q	|	|	|	|
2+50	0.1789	1.17	Q	|	|	|	|
2+55	0.1872	1.19	Q	|	|	|	|
3+ 0	0.1955	1.21	Q	|	|	|	|
3+ 5	0.2038	1.22	Q	|	|	|	|
3+10	0.2123	1.22	Q	|	|	|	|
3+15	0.2207	1.22	Q	|	|	|	|
3+20	0.2291	1.23	Q	|	|	|	|
3+25	0.2376	1.23	Q	|	|	|	|
3+30	0.2460	1.23	Q	|	|	|	|
3+35	0.2545	1.23	Q	|	|	|	|
3+40	0.2630	1.23	Q	|	|	|	|
3+45	0.2714	1.23	Q	|	|	|	|
3+50	0.2800	1.24	Q	|	|	|	|
3+55	0.2888	1.29	Q	|	|	|	|
4+ 0	0.2983	1.38	Q	|	|	|	|
4+ 5	0.3081	1.42	Q	|	|	|	|





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   24+10      19.3933      0.38  Q         |         |         |        V|
   24+15      19.3946      0.19  Q         |         |         |        V|
   24+20      19.3954      0.12  Q         |         |         |        V|
   24+25      19.3959      0.07  Q         |         |         |        V|
   24+30      19.3962      0.05  Q         |         |         |        V|
   24+35      19.3964      0.03  Q         |         |         |        V|
   24+40      19.3965      0.02  Q         |         |         |        V|
   24+45      19.3966      0.01  Q         |         |         |        V|
   24+50      19.3966      0.01  Q         |         |         |        V|
   24+55      19.3967      0.00  Q         |         |         |        V|
   25+ 0      19.3967      0.00  Q         |         |         |        V|
   25+ 5      19.3967      0.00  Q         |         |         |        V|
   25+10      19.3967      0.00  Q         |         |         |        V|
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AREA TRIBUTARY TO CP3

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 06/13/23 File: mesae33100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 3
6/13/23

Drainage Area = 90.36(Ac.) = 0.141 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 90.36(Ac.) = 0.141 Sq. Mi.
Length along longest watercourse = 3885.00(Ft.)
Length along longest watercourse measured to centroid = 1815.00(Ft.)
Length along longest watercourse = 0.736 Mi.
Length along longest watercourse measured to centroid = 0.344 Mi.
Difference in elevation = 210.00(Ft.)
Slope along watercourse = 285.4054 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.170 Hr.
Lag time = 10.21 Min.
25% of lag time = 2.55 Min.
40% of lag time = 4.08 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
90.36	0.94	84.94

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
90.36	1.97	178.01

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 1.969(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
27.600	70.00	0.000
23.810	80.00	0.000
38.950	84.00	0.000

Total Area Entered = 90.36(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.305	0.111
80.0	80.0	0.244	0.000	0.244	0.264	0.064
84.0	84.0	0.198	0.000	0.198	0.431	0.086
					Sum (F) =	0.260

Area averaged mean soil loss (F) (In/Hr) = 0.260
Minimum soil loss rate ((In/Hr)) = 0.130
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	48.971	4.157	3.785
2	0.167	97.942	19.084	17.379
3	0.250	146.912	38.423	34.990
4	0.333	195.883	15.049	13.705
5	0.417	244.854	8.516	7.756
6	0.500	293.825	5.563	5.066
7	0.583	342.796	3.722	3.389
8	0.667	391.767	2.339	2.130
9	0.750	440.737	1.231	1.121
10	0.833	489.708	0.567	0.516
11	0.917	538.679	0.430	0.392
12	1.000	587.650	0.327	0.298
13	1.083	636.621	0.334	0.305
14	1.167	685.591	0.176	0.160
15	1.250	734.562	0.081	0.074
			Sum = 100.000	Sum= 91.066

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.260	(0.276)	0.047
2	0.17	1.30	0.307	0.260	(0.276)	0.047
3	0.25	1.10	0.260	(0.260)	0.234	0.026
4	0.33	1.50	0.354	0.260	(0.319)	0.094
5	0.42	1.50	0.354	0.260	(0.319)	0.094
6	0.50	1.80	0.425	0.260	(0.383)	0.165
7	0.58	1.50	0.354	0.260	(0.319)	0.094
8	0.67	1.80	0.425	0.260	(0.383)	0.165
9	0.75	1.80	0.425	0.260	(0.383)	0.165
10	0.83	1.50	0.354	0.260	(0.319)	0.094
11	0.92	1.60	0.378	0.260	(0.340)	0.118
12	1.00	1.80	0.425	0.260	(0.383)	0.165
13	1.08	2.20	0.520	0.260	(0.468)	0.259
14	1.17	2.20	0.520	0.260	(0.468)	0.259
15	1.25	2.20	0.520	0.260	(0.468)	0.259
16	1.33	2.00	0.473	0.260	(0.425)	0.212
17	1.42	2.60	0.614	0.260	(0.553)	0.354
18	1.50	2.70	0.638	0.260	(0.574)	0.378
19	1.58	2.40	0.567	0.260	(0.510)	0.307
20	1.67	2.70	0.638	0.260	(0.574)	0.378
21	1.75	3.30	0.780	0.260	(0.702)	0.519
22	1.83	3.10	0.733	0.260	(0.659)	0.472
23	1.92	2.90	0.685	0.260	(0.617)	0.425
24	2.00	3.00	0.709	0.260	(0.638)	0.449
25	2.08	3.10	0.733	0.260	(0.659)	0.472
26	2.17	4.20	0.992	0.260	(0.893)	0.732
27	2.25	5.00	1.182	0.260	(1.063)	0.921
28	2.33	3.50	0.827	0.260	(0.744)	0.567
29	2.42	6.80	1.607	0.260	(1.446)	1.346
30	2.50	7.30	1.725	0.260	(1.553)	1.465
31	2.58	8.20	1.938	0.260	(1.744)	1.677
32	2.67	5.90	1.394	0.260	(1.255)	1.134
33	2.75	2.00	0.473	0.260	(0.425)	0.212
34	2.83	1.80	0.425	0.260	(0.383)	0.165
35	2.92	1.80	0.425	0.260	(0.383)	0.165
36	3.00	0.60	0.142	(0.260)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.4

Flood volume = Effective rainfall 1.20(In)
times area 90.4(Ac.)/[(In)/(Ft.)] = 9.0(Ac.Ft)
Total soil loss = 0.77(In)
Total soil loss = 5.782(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 394044.6 Cubic Feet
Total soil loss = 251873.4 Cubic Feet

Peak flow rate of this hydrograph = 118.637(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0012	0.18	Q				
0+10	0.0080	0.99	Q				
0+15	0.0256	2.55	Q				
0+20	0.0469	3.09	Q				
0+25	0.0738	3.91	Q				
0+30	0.1186	6.51	VQ				
0+35	0.1765	8.41	VQ				
0+40	0.2485	10.45	VQ				
0+45	0.3208	10.50	VQ				
0+50	0.4068	12.50	VQ				
0+55	0.4914	12.28	Q				
1+ 0	0.5664	10.89	Q				
1+ 5	0.6507	12.24	Q				
1+10	0.7575	15.51	Q				
1+15	0.8912	19.42	Q				
1+20	1.0350	20.87	Q				
1+25	1.1832	21.52	QV				
1+30	1.3421	23.07	QV				
1+35	1.5346	27.95	QV				
1+40	1.7387	29.64	Q V				
1+45	1.9470	30.24	Q V				
1+50	2.1869	34.84	Q V				
1+55	2.4608	39.77	Q V				
2+ 0	2.7355	39.89	Q V				
2+ 5	3.0077	39.53	Q V				
2+10	3.2945	41.64	Q V				
2+15	3.6253	48.04	Q V				
2+20	4.0356	59.57	Q V				
2+25	4.4956	66.80	Q V				
2+30	4.9994	73.15	Q V				
2+35	5.6975	101.36	Q V				
2+40	6.5033	117.01	Q V				
2+45	7.3204	118.64	Q V				
2+50	7.9451	90.70	Q V				
2+55	8.3215	54.66	Q V				
3+ 0	8.5868	38.52	Q V				
3+ 5	8.7735	27.12	Q V				
3+10	8.8817	15.70	Q V				
3+15	8.9451	9.21	Q V				
3+20	8.9826	5.45	Q V				
3+25	9.0065	3.47	Q V				
3+30	9.0227	2.34	Q V				
3+35	9.0335	1.57	Q V				
3+40	9.0400	0.95	Q V				
3+45	9.0434	0.49	Q V				
3+50	9.0449	0.22	Q V				
3+55	9.0456	0.10	Q V				
4+ 0	9.0459	0.04	Q V				
4+ 5	9.0460	0.01	Q V				
4+10	9.0460	0.00	Q V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae36100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 3
6/13/23

Drainage Area = 90.36(Ac.) = 0.141 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 90.36(Ac.) = 0.141 Sq. Mi.
Length along longest watercourse = 3885.00(Ft.)
Length along longest watercourse measured to centroid = 1815.00(Ft.)
Length along longest watercourse = 0.736 Mi.
Length along longest watercourse measured to centroid = 0.344 Mi.
Difference in elevation = 210.00(Ft.)
Slope along watercourse = 285.4054 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.170 Hr.
Lag time = 10.21 Min.
25% of lag time = 2.55 Min.
40% of lag time = 4.08 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
90.36	1.35	121.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
90.36	2.78	251.20

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 2.779(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
27.600	70.00	0.000
23.810	80.00	0.000
38.950	84.00	0.000

Total Area Entered = 90.36(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.305	0.111
80.0	80.0	0.244	0.000	0.244	0.264	0.064
84.0	84.0	0.198	0.000	0.198	0.431	0.086
					Sum (F) =	0.260

Area averaged mean soil loss (F) (In/Hr) = 0.260
Minimum soil loss rate ((In/Hr)) = 0.130
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	48.971	4.157	3.785
2	0.167	97.942	19.084	17.379
3	0.250	146.912	38.423	34.990
4	0.333	195.883	15.049	13.705
5	0.417	244.854	8.516	7.756
6	0.500	293.825	5.563	5.066
7	0.583	342.796	3.722	3.389
8	0.667	391.767	2.339	2.130
9	0.750	440.737	1.231	1.121
10	0.833	489.708	0.567	0.516
11	0.917	538.679	0.430	0.392
12	1.000	587.650	0.327	0.298
13	1.083	636.621	0.334	0.305
14	1.167	685.591	0.176	0.160
15	1.250	734.562	0.081	0.074
			Sum = 100.000	Sum= 91.066

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.260)	0.150	0.017
2	0.17	0.60	0.200	(0.260)	0.180	0.020
3	0.25	0.60	0.200	(0.260)	0.180	0.020
4	0.33	0.60	0.200	(0.260)	0.180	0.020
5	0.42	0.60	0.200	(0.260)	0.180	0.020
6	0.50	0.70	0.233	(0.260)	0.210	0.023
7	0.58	0.70	0.233	(0.260)	0.210	0.023
8	0.67	0.70	0.233	(0.260)	0.210	0.023
9	0.75	0.70	0.233	(0.260)	0.210	0.023
10	0.83	0.70	0.233	(0.260)	0.210	0.023
11	0.92	0.70	0.233	(0.260)	0.210	0.023
12	1.00	0.80	0.267	(0.260)	0.240	0.027
13	1.08	0.80	0.267	(0.260)	0.240	0.027
14	1.17	0.80	0.267	(0.260)	0.240	0.027
15	1.25	0.80	0.267	(0.260)	0.240	0.027
16	1.33	0.80	0.267	(0.260)	0.240	0.027
17	1.42	0.80	0.267	(0.260)	0.240	0.027
18	1.50	0.80	0.267	(0.260)	0.240	0.027
19	1.58	0.80	0.267	(0.260)	0.240	0.027
20	1.67	0.80	0.267	(0.260)	0.240	0.027
21	1.75	0.80	0.267	(0.260)	0.240	0.027
22	1.83	0.80	0.267	(0.260)	0.240	0.027
23	1.92	0.80	0.267	(0.260)	0.240	0.027
24	2.00	0.90	0.300	0.260	(0.270)	0.040
25	2.08	0.80	0.267	(0.260)	0.240	0.027
26	2.17	0.90	0.300	0.260	(0.270)	0.040
27	2.25	0.90	0.300	0.260	(0.270)	0.040
28	2.33	0.90	0.300	0.260	(0.270)	0.040
29	2.42	0.90	0.300	0.260	(0.270)	0.040
30	2.50	0.90	0.300	0.260	(0.270)	0.040
31	2.58	0.90	0.300	0.260	(0.270)	0.040
32	2.67	0.90	0.300	0.260	(0.270)	0.040
33	2.75	1.00	0.333	0.260	(0.300)	0.073
34	2.83	1.00	0.333	0.260	(0.300)	0.073
35	2.92	1.00	0.333	0.260	(0.300)	0.073
36	3.00	1.00	0.333	0.260	(0.300)	0.073
37	3.08	1.00	0.333	0.260	(0.300)	0.073
38	3.17	1.10	0.367	0.260	(0.330)	0.106
39	3.25	1.10	0.367	0.260	(0.330)	0.106
40	3.33	1.10	0.367	0.260	(0.330)	0.106
41	3.42	1.20	0.400	0.260	(0.360)	0.140
42	3.50	1.30	0.434	0.260	(0.390)	0.173
43	3.58	1.40	0.467	0.260	(0.420)	0.207
44	3.67	1.40	0.467	0.260	(0.420)	0.207
45	3.75	1.50	0.500	0.260	(0.450)	0.240
46	3.83	1.50	0.500	0.260	(0.450)	0.240
47	3.92	1.60	0.534	0.260	(0.480)	0.273
48	4.00	1.60	0.534	0.260	(0.480)	0.273
49	4.08	1.70	0.567	0.260	(0.510)	0.307
50	4.17	1.80	0.600	0.260	(0.540)	0.340
51	4.25	1.90	0.634	0.260	(0.570)	0.373
52	4.33	2.00	0.667	0.260	(0.600)	0.407
53	4.42	2.10	0.700	0.260	(0.630)	0.440
54	4.50	2.10	0.700	0.260	(0.630)	0.440
55	4.58	2.20	0.734	0.260	(0.660)	0.473
56	4.67	2.30	0.767	0.260	(0.690)	0.507
57	4.75	2.40	0.800	0.260	(0.720)	0.540
58	4.83	2.40	0.800	0.260	(0.720)	0.540
59	4.92	2.50	0.834	0.260	(0.750)	0.573
60	5.00	2.60	0.867	0.260	(0.780)	0.607
61	5.08	3.10	1.034	0.260	(0.930)	0.773
62	5.17	3.60	1.201	0.260	(1.081)	0.940
63	5.25	3.90	1.301	0.260	(1.171)	1.040
64	5.33	4.20	1.401	0.260	(1.261)	1.140
65	5.42	4.70	1.567	0.260	(1.411)	1.307
66	5.50	5.60	1.868	0.260	(1.681)	1.607
67	5.58	1.90	0.634	0.260	(0.570)	0.373
68	5.67	0.90	0.300	0.260	(0.270)	0.040
69	5.75	0.60	0.200	(0.260)	0.180	0.020
70	5.83	0.50	0.167	(0.260)	0.150	0.017
71	5.92	0.30	0.100	(0.260)	0.090	0.010
72	6.00	0.20	0.067	(0.260)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.2

Flood volume = Effective rainfall 1.35(In)
times area 90.4(Ac.)/[(In)/(Ft.)] = 10.1(Ac.Ft)
Total soil loss = 1.43(In)
Total soil loss = 10.787(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 441711.2 Cubic Feet
Total soil loss = 469864.5 Cubic Feet

Peak flow rate of this hydrograph = 109.038(CFS)

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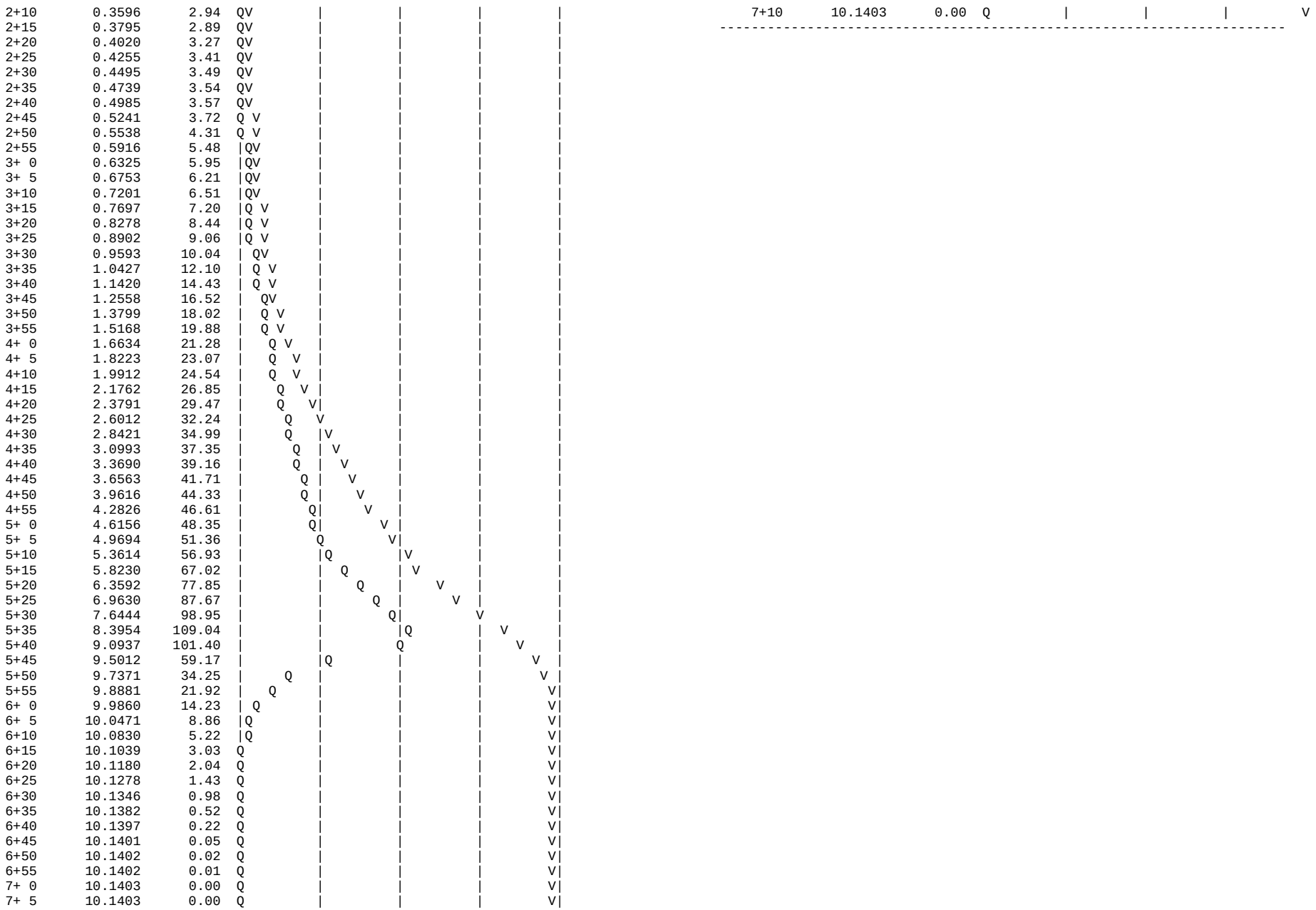
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0004	0.06	Q				
0+10	0.0030	0.37	Q				
0+15	0.0099	1.01	Q				
0+20	0.0192	1.35	Q				
0+25	0.0297	1.53	Q				
0+30	0.0411	1.65	Q				
0+35	0.0534	1.78	Q				
0+40	0.0668	1.95	Q				
0+45	0.0807	2.02	Q				
0+50	0.0948	2.06	Q				
0+55	0.1092	2.08	Q				
1+ 0	0.1237	2.11	Q				
1+ 5	0.1387	2.18	Q				
1+10	0.1546	2.31	Q				
1+15	0.1708	2.36	Q				
1+20	0.1873	2.38	Q				
1+25	0.2038	2.40	Q				
1+30	0.2204	2.41	Q				
1+35	0.2371	2.42	Q				
1+40	0.2538	2.43	QV				
1+45	0.2705	2.43	QV				
1+50	0.2872	2.43	QV				
1+55	0.3040	2.43	QV				
2+ 0	0.3210	2.48	QV				
2+ 5	0.3393	2.66	QV				


2+10 0.3596 2.94
2+15 0.3795 2.89
2+20 0.4020 3.27
2+25 0.4255 3.41
2+30 0.4495 3.49
2+35 0.4739 3.54
2+40 0.4985 3.57
2+45 0.5241 3.72
2+50 0.5538 4.31
2+55 0.5916 5.48
3+ 0 0.6325 5.95
3+ 5 0.6753 6.21
3+10 0.7201 6.51
3+15 0.7697 7.20
3+20 0.8278 8.44
3+25 0.8902 9.06
3+30 0.9593 10.04
3+35 1.0427 12.10
3+40 1.1420 14.43
3+45 1.2558 16.52
3+50 1.3799 18.02
3+55 1.5168 19.88
4+ 0 1.6634 21.28
4+ 5 1.8223 23.07
4+10 1.9912 24.54
4+15 2.1762 26.85
4+20 2.3791 29.47
4+25 2.6012 32.24
4+30 2.8421 34.99
4+35 3.0993 37.35
4+40 3.3690 39.16
4+45 3.6563 41.71
4+50 3.9616 44.33
4+55 4.2826 46.61
5+ 0 4.6156 48.35
5+ 5 4.9694 51.36
5+10 5.3614 56.93
5+15 5.8230 67.02
5+20 6.3592 77.85
5+25 6.9630 87.67
5+30 7.6444 98.95
5+35 8.3954 109.04
5+40 9.0937 101.40
5+45 9.5012 59.17
5+50 9.7371 34.25
5+55 9.8881 21.92
6+ 0 9.9860 14.23
6+ 5 10.0471 8.86
6+10 10.0830 5.22
6+15 10.1039 3.03
6+20 10.1180 2.04
6+25 10.1278 1.43
6+30 10.1346 0.98
6+35 10.1382 0.52
6+40 10.1397 0.22
6+45 10.1401 0.05
6+50 10.1402 0.02
6+55 10.1402 0.01
7+ 0 10.1403 0.00
7+ 5 10.1403 0.00
7+10 10.1403 0.00

```
        U n i t   H y d r o g r a p h   A n a l y s i s

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                Study date  06/13/23 File: mesae324100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
EXISTING CONDITION
AREA 3
6/13/23
--------------------------------------------------------------------------
Drainage Area =      90.36(Ac.)  =      0.141 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      90.36(Ac.)  =
0.141 Sq. Mi.
Length along longest watercourse =    3885.00(Ft.)
Length along longest watercourse measured to centroid =    1815.00(Ft.)
Length along longest watercourse =      0.736 Mi.
Length along longest watercourse measured to centroid =      0.344 Mi.
Difference in elevation =     210.00(Ft.)
Slope along watercourse =    285.4054 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.170 Hr.
Lag time =    10.21 Min.
25% of lag time =     2.55 Min.
40% of lag time =     4.08 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       90.36             2.45                  221.38

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       90.36             6.08                  549.39

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.000           51.00          0.000
    27.600           70.00          0.000
    23.810           80.00          0.000
    38.950           84.00          0.000
 Total Area Entered =     90.36(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562       0.000      0.000
70.0  70.0      0.362     0.000        0.362       0.305      0.111
80.0  80.0      0.244     0.000        0.244       0.264      0.064
84.0  84.0      0.198     0.000        0.198       0.431      0.086
                                                 Sum (F) =   0.260
Area averaged mean soil loss (F) (In/Hr) =  0.260
Minimum soil loss rate ((In/Hr)) =  0.130
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083         48.971          4.157             3.785
    2   0.167         97.942         19.084            17.379
    3   0.250        146.912         38.423            34.990
    4   0.333        195.883         15.049            13.705
    5   0.417        244.854          8.516             7.756
    6   0.500        293.825          5.563             5.066
    7   0.583        342.796          3.722             3.389
    8   0.667        391.767          2.339             2.130
    9   0.750        440.737          1.231             1.121
   10   0.833        489.708          0.567             0.516
   11   0.917        538.679          0.430             0.392
   12   1.000        587.650          0.327             0.298
   13   1.083        636.621          0.334             0.305
   14   1.167        685.591          0.176             0.160
   15   1.250        734.562          0.081             0.074
                                 Sum = 100.000   Sum=      91.066
--------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value
```

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.462)	0.044	0.005
2	0.17	0.07	0.049	(0.460)	0.044	0.005
3	0.25	0.07	0.049	(0.458)	0.044	0.005
4	0.33	0.10	0.073	(0.456)	0.066	0.007
5	0.42	0.10	0.073	(0.454)	0.066	0.007
6	0.50	0.10	0.073	(0.453)	0.066	0.007
7	0.58	0.10	0.073	(0.451)	0.066	0.007
8	0.67	0.10	0.073	(0.449)	0.066	0.007
9	0.75	0.10	0.073	(0.447)	0.066	0.007
10	0.83	0.13	0.097	(0.446)	0.088	0.010
11	0.92	0.13	0.097	(0.444)	0.088	0.010
12	1.00	0.13	0.097	(0.442)	0.088	0.010
13	1.08	0.10	0.073	(0.440)	0.066	0.007
14	1.17	0.10	0.073	(0.439)	0.066	0.007
15	1.25	0.10	0.073	(0.437)	0.066	0.007
16	1.33	0.10	0.073	(0.435)	0.066	0.007
17	1.42	0.10	0.073	(0.433)	0.066	0.007
18	1.50	0.10	0.073	(0.432)	0.066	0.007
19	1.58	0.10	0.073	(0.430)	0.066	0.007
20	1.67	0.10	0.073	(0.428)	0.066	0.007
21	1.75	0.10	0.073	(0.427)	0.066	0.007
22	1.83	0.13	0.097	(0.425)	0.088	0.010
23	1.92	0.13	0.097	(0.423)	0.088	0.010
24	2.00	0.13	0.097	(0.421)	0.088	0.010
25	2.08	0.13	0.097	(0.420)	0.088	0.010
26	2.17	0.13	0.097	(0.418)	0.088	0.010
27	2.25	0.13	0.097	(0.416)	0.088	0.010
28	2.33	0.13	0.097	(0.415)	0.088	0.010
29	2.42	0.13	0.097	(0.413)	0.088	0.010
30	2.50	0.13	0.097	(0.411)	0.088	0.010
31	2.58	0.17	0.122	(0.410)	0.109	0.012
32	2.67	0.17	0.122	(0.408)	0.109	0.012
33	2.75	0.17	0.122	(0.406)	0.109	0.012
34	2.83	0.17	0.122	(0.405)	0.109	0.012
35	2.92	0.17	0.122	(0.403)	0.109	0.012
36	3.00	0.17	0.122	(0.401)	0.109	0.012
37	3.08	0.17	0.122	(0.400)	0.109	0.012
38	3.17	0.17	0.122	(0.398)	0.109	0.012
39	3.25	0.17	0.122	(0.396)	0.109	0.012
40	3.33	0.17	0.122	(0.395)	0.109	0.012
41	3.42	0.17	0.122	(0.393)	0.109	0.012
42	3.50	0.17	0.122	(0.391)	0.109	0.012
43	3.58	0.17	0.122	(0.390)	0.109	0.012
44	3.67	0.17	0.122	(0.388)	0.109	0.012
45	3.75	0.17	0.122	(0.386)	0.109	0.012
46	3.83	0.20	0.146	(0.385)	0.131	0.015
47	3.92	0.20	0.146	(0.383)	0.131	0.015
48	4.00	0.20	0.146	(0.381)	0.131	0.015
49	4.08	0.20	0.146	(0.380)	0.131	0.015
50	4.17	0.20	0.146	(0.378)	0.131	0.015
51	4.25	0.20	0.146	(0.377)	0.131	0.015
52	4.33	0.23	0.170	(0.375)	0.153	0.017
53	4.42	0.23	0.170	(0.373)	0.153	0.017
54	4.50	0.23	0.170	(0.372)	0.153	0.017
55	4.58	0.23	0.170	(0.370)	0.153	0.017
56	4.67	0.23	0.170	(0.369)	0.153	0.017
57	4.75	0.23	0.170	(0.367)	0.153	0.017
58	4.83	0.27	0.195	(0.365)	0.175	0.019
59	4.92	0.27	0.195	(0.364)	0.175	0.019
60	5.00	0.27	0.195	(0.362)	0.175	0.019
61	5.08	0.20	0.146	(0.361)	0.131	0.015
62	5.17	0.20	0.146	(0.359)	0.131	0.015
63	5.25	0.20	0.146	(0.358)	0.131	0.015
64	5.33	0.23	0.170	(0.356)	0.153	0.017
65	5.42	0.23	0.170	(0.355)	0.153	0.017
66	5.50	0.23	0.170	(0.353)	0.153	0.017
67	5.58	0.27	0.195	(0.351)	0.175	0.019
68	5.67	0.27	0.195	(0.350)	0.175	0.019
69	5.75	0.27	0.195	(0.348)	0.175	0.019
70	5.83	0.27	0.195	(0.347)	0.175	0.019
71	5.92	0.27	0.195	(0.345)	0.175	0.019
72	6.00	0.27	0.195	(0.344)	0.175	0.019
73	6.08	0.30	0.219	(0.342)	0.197	0.022
74	6.17	0.30	0.219	(0.341)	0.197	0.022
75	6.25	0.30	0.219	(0.339)	0.197	0.022
76	6.33	0.30	0.219	(0.338)	0.197	0.022
77	6.42	0.30	0.219	(0.336)	0.197	0.022
78	6.50	0.30	0.219	(0.335)	0.197	0.022
79	6.58	0.33	0.243	(0.333)	0.219	0.024
80	6.67	0.33	0.243	(0.332)	0.219	0.024
81	6.75	0.33	0.243	(0.330)	0.219	0.024
82	6.83	0.33	0.243	(0.329)	0.219	0.024
83	6.92	0.33	0.243	(0.327)	0.219	0.024
84	7.00	0.33	0.243	(0.326)	0.219	0.024
85	7.08	0.33	0.243	(0.324)	0.219	0.024
86	7.17	0.33	0.243	(0.323)	0.219	0.024
87	7.25	0.33	0.243	(0.321)	0.219	0.024
88	7.33	0.37	0.267	(0.320)	0.241	0.027
89	7.42	0.37	0.267	(0.318)	0.241	0.027
90	7.50	0.37	0.267	(0.317)	0.241	0.027
91	7.58	0.40	0.292	(0.315)	0.263	0.029
92	7.67	0.40	0.292	(0.314)	0.263	0.029
93	7.75	0.40	0.292	(0.312)	0.263	0.029
94	7.83	0.43	0.316	(0.311)	0.284	0.032
95	7.92	0.43	0.316	(0.310)	0.284	0.032
96	8.00	0.43	0.316	(0.308)	0.284	0.032
97	8.08	0.50	0.365	0.307	(0.328)	0.058
98	8.17	0.50	0.365	0.305	(0.328)	0.059
99	8.25	0.50	0.365	0.304	(0.328)	0.061
100	8.33	0.50	0.365	0.302	(0.328)	0.062
101	8.42	0.50	0.365	0.301	(0.328)	0.064
102	8.50	0.50	0.365	0.300	(0.328)	0.065
103	8.58	0.53	0.389	0.298	(0.350)	0.091
104	8.67	0.53	0.389	0.297	(0.350)	0.092
105	8.75	0.53	0.389	0.295	(0.350)	0.094
106	8.83	0.57	0.413	0.294	(0.372)	0.119
107	8.92	0.57	0.413	0.293	(0.372)	0.121
108	9.00	0.57	0.413	0.291	(0.372)	0.122
109	9.08	0.63	0.462	0.290	(0.416)	0.172
110	9.17	0.63	0.462	0.289	(0.416)	0.173
111	9.25	0.63	0.462	0.287	(0.416)	0.175
112	9.33	0.67	0.486	0.286	(0.438)	0.201
113	9.42	0.67	0.486	0.284	(0.438)	0.202
114	9.50	0.67	0.486	0.283	(0.438)	0.203
115	9.58	0.70	0.511	0.282	(0.460)	0.229
116	9.67	0.70	0.511	0.280	(0.460)	0.230
117	9.75	0.70	0.511	0.279	(0.460)	0.232
118	9.83	0.73	0.535	0.278	(0.481)	0.257

119	9.92	0.73	0.535	0.276	(0.481)	0.259
120	10.00	0.73	0.535	0.275	(0.481)	0.260
121	10.08	0.50	0.365	0.274	(0.328)	0.091
122	10.17	0.50	0.365	0.272	(0.328)	0.092
123	10.25	0.50	0.365	0.271	(0.328)	0.094
124	10.33	0.50	0.365	0.270	(0.328)	0.095
125	10.42	0.50	0.365	0.268	(0.328)	0.096
126	10.50	0.50	0.365	0.267	(0.328)	0.098
127	10.58	0.67	0.486	0.266	(0.438)	0.221
128	10.67	0.67	0.486	0.264	(0.438)	0.222
129	10.75	0.67	0.486	0.263	(0.438)	0.223
130	10.83	0.67	0.486	0.262	(0.438)	0.224
131	10.92	0.67	0.486	0.261	(0.438)	0.226
132	11.00	0.67	0.486	0.259	(0.438)	0.227
133	11.08	0.63	0.462	0.258	(0.416)	0.204
134	11.17	0.63	0.462	0.257	(0.416)	0.205
135	11.25	0.63	0.462	0.255	(0.416)	0.207
136	11.33	0.63	0.462	0.254	(0.416)	0.208
137	11.42	0.63	0.462	0.253	(0.416)	0.209
138	11.50	0.63	0.462	0.252	(0.416)	0.210
139	11.58	0.57	0.413	0.250	(0.372)	0.163
140	11.67	0.57	0.413	0.249	(0.372)	0.164
141	11.75	0.57	0.413	0.248	(0.372)	0.165
142	11.83	0.60	0.438	0.247	(0.394)	0.191
143	11.92	0.60	0.438	0.246	(0.394)	0.192
144	12.00	0.60	0.438	0.244	(0.394)	0.193
145	12.08	0.83	0.608	0.243	(0.547)	0.365
146	12.17	0.83	0.608	0.242	(0.547)	0.366
147	12.25	0.83	0.608	0.241	(0.547)	0.367
148	12.33	0.87	0.632	0.239	(0.569)	0.393
149	12.42	0.87	0.632	0.238	(0.569)	0.394
150	12.50	0.87	0.632	0.237	(0.569)	0.395
151	12.58	0.93	0.681	0.236	(0.613)	0.445
152	12.67	0.93	0.681	0.235	(0.613)	0.446
153	12.75	0.93	0.681	0.233	(0.613)	0.447
154	12.83	0.97	0.705	0.232	(0.635)	0.473
155	12.92	0.97	0.705	0.231	(0.635)	0.474
156	13.00	0.97	0.705	0.230	(0.635)	0.475
157	13.08	1.13	0.827	0.229	(0.744)	0.598
158	13.17	1.13	0.827	0.228	(0.744)	0.599
159	13.25	1.13	0.827	0.226	(0.744)	0.600
160	13.33	1.13	0.827	0.225	(0.744)	0.601
161	13.42	1.13	0.827	0.224	(0.744)	0.603
162	13.50	1.13	0.827	0.223	(0.744)	0.604
163	13.58	0.77	0.559	0.222	(0.503)	0.337
164	13.67	0.77	0.559	0.221	(0.503)	0.338
165	13.75	0.77	0.559	0.220	(0.503)	0.340
166	13.83	0.77	0.559	0.219	(0.503)	0.341
167	13.92	0.77	0.559	0.217	(0.503)	0.342
168	14.00	0.77	0.559	0.216	(0.503)	0.343
169	14.08	0.90	0.657	0.215	(0.591)	0.441
170	14.17	0.90	0.657	0.214	(0.591)	0.442
171	14.25	0.90	0.657	0.213	(0.591)	0.444
172	14.33	0.87	0.632	0.212	(0.569)	0.420
173	14.42	0.87	0.632	0.211	(0.569)	0.421
174	14.50	0.87	0.632	0.210	(0.569)	0.422
175	14.58	0.87	0.632	0.209	(0.569)	0.424
176	14.67	0.87	0.632	0.208	(0.569)	0.425
177	14.75	0.87	0.632	0.207	(0.569)	0.426
178	14.83	0.83	0.608	0.205	(0.547)	0.402
179	14.92	0.83	0.608	0.204	(0.547)	0.403
180	15.00	0.83	0.608	0.203	(0.547)	0.405
181	15.08	0.80	0.584	0.202	(0.525)	0.381
182	15.17	0.80	0.584	0.201	(0.525)	0.382
183	15.25	0.80	0.584	0.200	(0.525)	0.383
184	15.33	0.77	0.559	0.199	(0.503)	0.360
185	15.42	0.77	0.559	0.198	(0.503)	0.361
186	15.50	0.77	0.559	0.197	(0.503)	0.362
187	15.58	0.63	0.462	0.196	(0.416)	0.266
188	15.67	0.63	0.462	0.195	(0.416)	0.267
189	15.75	0.63	0.462	0.194	(0.416)	0.268
190	15.83	0.63	0.462	0.193	(0.416)	0.269
191	15.92	0.63	0.462	0.192	(0.416)	0.270
192	16.00	0.63	0.462	0.191	(0.416)	0.271
193	16.08	0.13	0.097	(0.190)	0.088	0.010
194	16.17	0.13	0.097	(0.189)	0.088	0.010
195	16.25	0.13	0.097	(0.188)	0.088	0.010
196	16.33	0.13	0.097	(0.187)	0.088	0.010
197	16.42	0.13	0.097	(0.186)	0.088	0.010
198	16.50	0.13	0.097	(0.185)	0.088	0.010
199	16.58	0.10	0.073	(0.184)	0.066	0.007
200	16.67	0.10	0.073	(0.184)	0.066	0.007
201	16.75	0.10	0.073	(0.183)	0.066	0.007
202	16.83	0.10	0.073	(0.182)	0.066	0.007
203	16.92	0.10	0.073	(0.181)	0.066	0.007
204	17.00	0.10	0.073	(0.180)	0.066	0.007
205	17.08	0.17	0.122	(0.179)	0.109	0.012
206	17.17	0.17	0.122	(0.178)	0.109	0.012
207	17.25	0.17	0.122	(0.177)	0.109	0.012
208	17.33	0.17	0.122	(0.176)	0.109	0.012
209	17.42	0.17	0.122	(0.175)	0.109	0.012
210	17.50	0.17	0.122	(0.175)	0.109	0.012
211	17.58	0.17	0.122	(0.174)	0.109	0.012
212	17.67	0.17	0.122	(0.173)	0.109	0.012
213	17.75	0.17	0.122	(0.172)	0.109	0.012
214	17.83	0.13	0.097	(0.171)	0.088	0.010
215	17.92	0.13	0.097	(0.170)	0.088	0.010
216	18.00	0.13	0.097	(0.169)	0.088	0.010
217	18.08	0.13	0.097	(0.169)	0.088	0.010
218	18.17	0.13	0.097	(0.168)	0.088	0.010
219	18.25	0.13	0.097	(0.167)	0.088	0.010
220	18.33	0.13	0.097	(0.166)	0.088	0.010
221	18.42	0.13	0.097	(0.165)	0.088	0.010
222	18.50	0.13	0.097	(0.164)	0.088	0.010
223	18.58	0.10	0.073	(0.164)	0.066	0.007
224	18.67	0.10	0.073	(0.163)	0.066	0.007
225	18.75	0.10	0.073	(0.162)	0.066	0.007
226	18.83	0.07	0.049	(0.161)	0.044	0.005
227	18.92	0.07	0.049	(0.161)	0.044	0.005
228	19.00	0.07	0.049	(0.160)	0.044	0.005
229	19.08	0.10	0.073	(0.159)	0.066	0.007
230	19.17	0.10	0.073	(0.158)	0.066	0.007
231	19.25	0.10	0.073	(0.158)	0.066	0.007
232	19.33	0.13	0.097	(0.157)	0.088	0.010
233	19.42	0.13	0.097	(0.156)	0.088	0.010
234	19.50	0.13	0.097	(0.155)	0.088	0.010
235	19.58	0.10	0.073	(0.155)	0.066	0.007
236	19.67	0.10	0.073	(0.154)	0.066	0.007
237	19.75	0.10	0.073	(0.153)	0.066	0.007
238	19.83	0.07	0.049	(0.153)	0.044	0.005

239	19.92	0.07	0.049	(0.152)	0.044	0.005
240	20.00	0.07	0.049	(0.151)	0.044	0.005
241	20.08	0.10	0.073	(0.151)	0.066	0.007
242	20.17	0.10	0.073	(0.150)	0.066	0.007
243	20.25	0.10	0.073	(0.149)	0.066	0.007
244	20.33	0.10	0.073	(0.149)	0.066	0.007
245	20.42	0.10	0.073	(0.148)	0.066	0.007
246	20.50	0.10	0.073	(0.147)	0.066	0.007
247	20.58	0.10	0.073	(0.147)	0.066	0.007
248	20.67	0.10	0.073	(0.146)	0.066	0.007
249	20.75	0.10	0.073	(0.145)	0.066	0.007
250	20.83	0.07	0.049	(0.145)	0.044	0.005
251	20.92	0.07	0.049	(0.144)	0.044	0.005
252	21.00	0.07	0.049	(0.144)	0.044	0.005
253	21.08	0.10	0.073	(0.143)	0.066	0.007
254	21.17	0.10	0.073	(0.143)	0.066	0.007
255	21.25	0.10	0.073	(0.142)	0.066	0.007
256	21.33	0.07	0.049	(0.141)	0.044	0.005
257	21.42	0.07	0.049	(0.141)	0.044	0.005
258	21.50	0.07	0.049	(0.140)	0.044	0.005
259	21.58	0.10	0.073	(0.140)	0.066	0.007
260	21.67	0.10	0.073	(0.139)	0.066	0.007
261	21.75	0.10	0.073	(0.139)	0.066	0.007
262	21.83	0.07	0.049	(0.138)	0.044	0.005
263	21.92	0.07	0.049	(0.138)	0.044	0.005
264	22.00	0.07	0.049	(0.137)	0.044	0.005
265	22.08	0.10	0.073	(0.137)	0.066	0.007
266	22.17	0.10	0.073	(0.137)	0.066	0.007
267	22.25	0.10	0.073	(0.136)	0.066	0.007
268	22.33	0.07	0.049	(0.136)	0.044	0.005
269	22.42	0.07	0.049	(0.135)	0.044	0.005
270	22.50	0.07	0.049	(0.135)	0.044	0.005
271	22.58	0.07	0.049	(0.135)	0.044	0.005
272	22.67	0.07	0.049	(0.134)	0.044	0.005
273	22.75	0.07	0.049	(0.134)	0.044	0.005
274	22.83	0.07	0.049	(0.133)	0.044	0.005
275	22.92	0.07	0.049	(0.133)	0.044	0.005
276	23.00	0.07	0.049	(0.133)	0.044	0.005
277	23.08	0.07	0.049	(0.132)	0.044	0.005
278	23.17	0.07	0.049	(0.132)	0.044	0.005
279	23.25	0.07	0.049	(0.132)	0.044	0.005
280	23.33	0.07	0.049	(0.132)	0.044	0.005
281	23.42	0.07	0.049	(0.131)	0.044	0.005
282	23.50	0.07	0.049	(0.131)	0.044	0.005
283	23.58	0.07	0.049	(0.131)	0.044	0.005
284	23.67	0.07	0.049	(0.131)	0.044	0.005
285	23.75	0.07	0.049	(0.131)	0.044	0.005
286	23.83	0.07	0.049	(0.130)	0.044	0.005
287	23.92	0.07	0.049	(0.130)	0.044	0.005
288	24.00	0.07	0.049	(0.130)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 29.6

Flood volume = Effective rainfall 2.47(In)
times area 90.4(Ac.)/[(In)/(Ft.)] = 18.6(Ac.Ft)
Total soil loss = 3.61(In)
Total soil loss = 27.188(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 809639.8 Cubic Feet
Total soil loss = 1184289.6 Cubic Feet

Peak flow rate of this hydrograph = 53.633(CFS)

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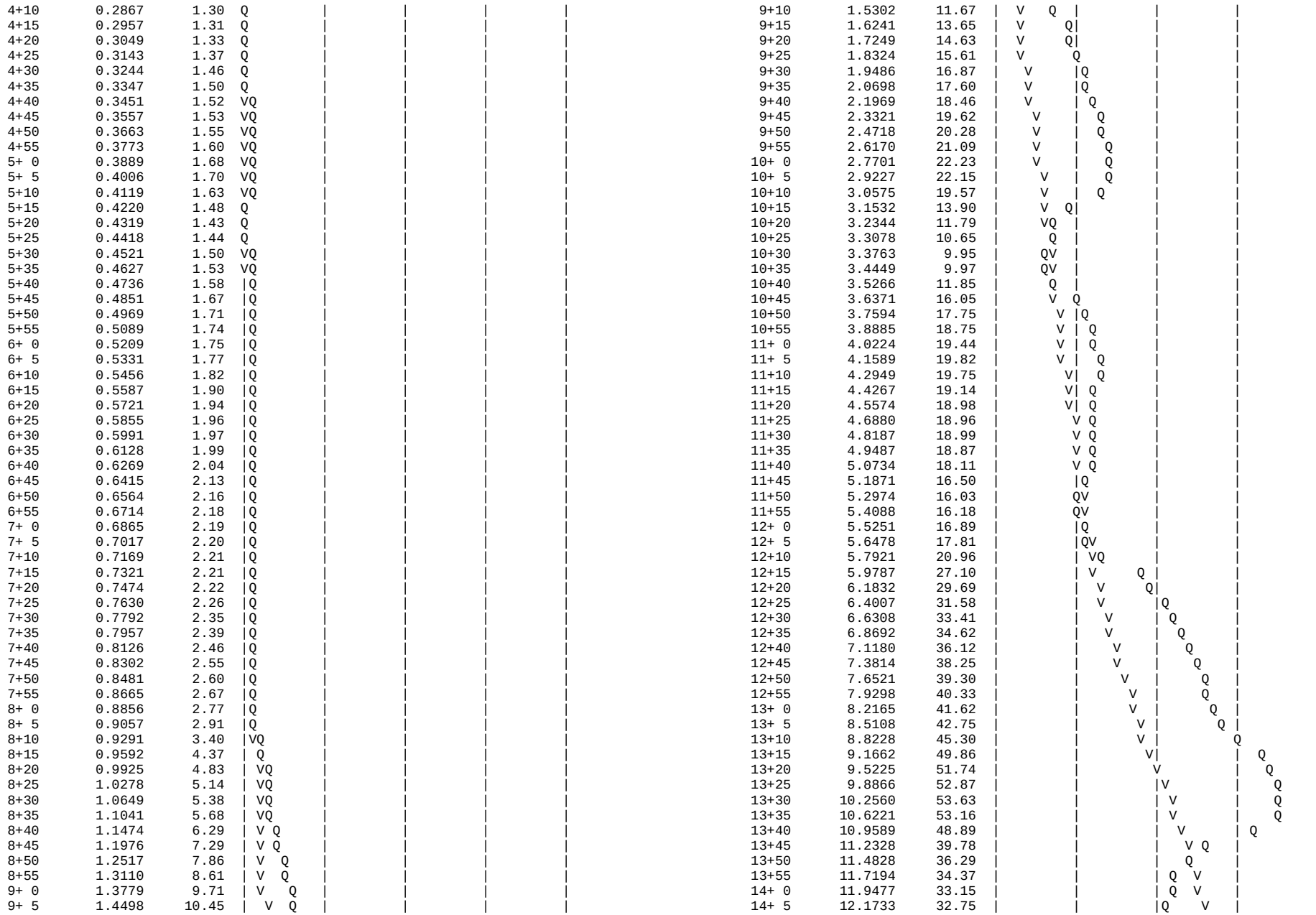
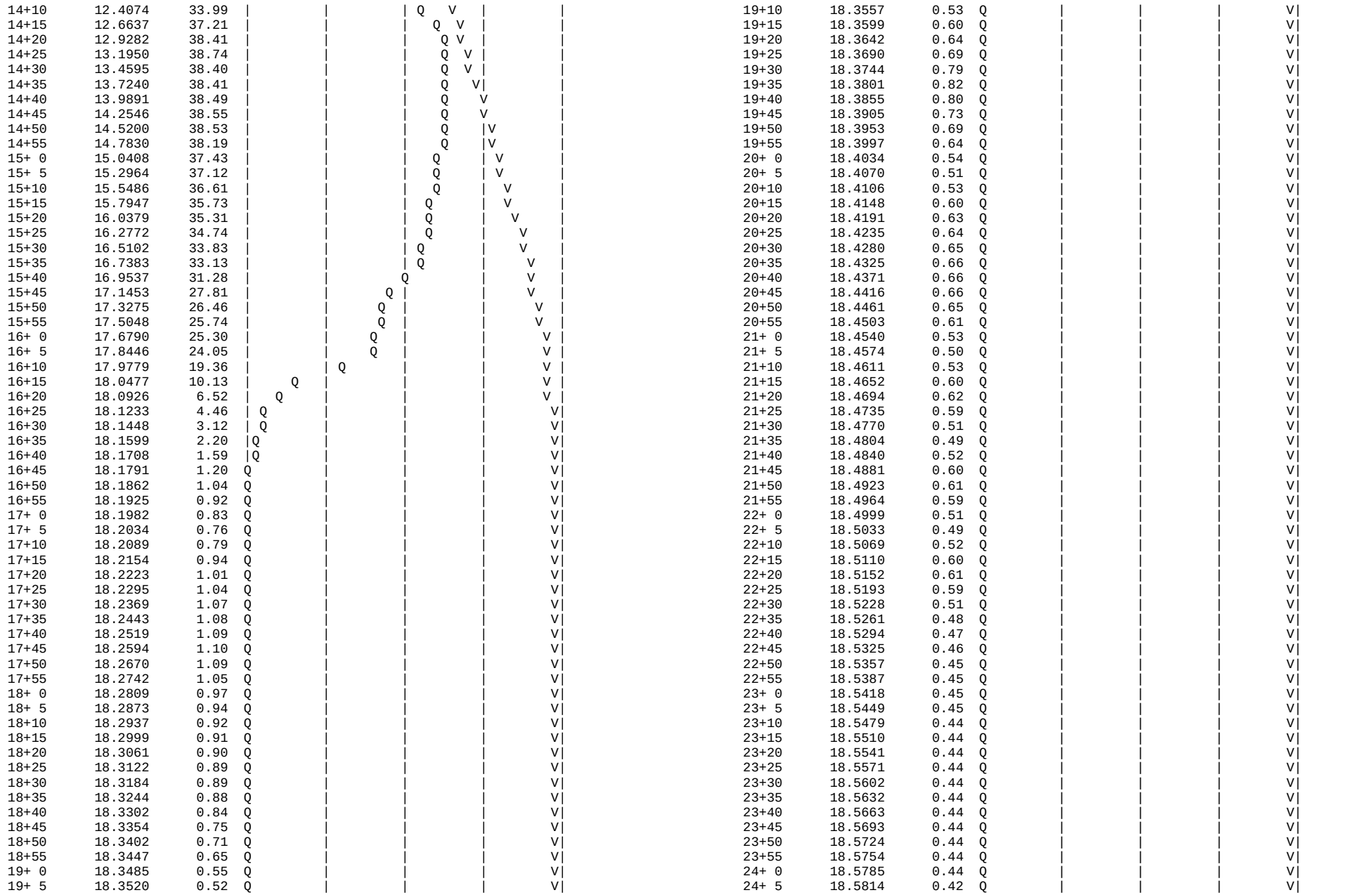
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	15.0	30.0	45.0	60.0
0+ 5	0.0001	0.02	Q	|	|	|	|
0+10	0.0008	0.10	Q	|	|	|	|
0+15	0.0027	0.27	Q	|	|	|	|
0+20	0.0051	0.35	Q	|	|	|	|
0+25	0.0081	0.43	Q	|	|	|	|
0+30	0.0118	0.54	Q	|	|	|	|
0+35	0.0158	0.59	Q	|	|	|	|
0+40	0.0201	0.62	Q	|	|	|	|
0+45	0.0245	0.64	Q	|	|	|	|
0+50	0.0290	0.66	Q	|	|	|	|
0+55	0.0339	0.71	Q	|	|	|	|
1+ 0	0.0393	0.79	Q	|	|	|	|
1+ 5	0.0450	0.82	Q	|	|	|	|
1+10	0.0505	0.80	Q	|	|	|	|
1+15	0.0555	0.73	Q	|	|	|	|
1+20	0.0603	0.70	Q	|	|	|	|
1+25	0.0651	0.69	Q	|	|	|	|
1+30	0.0698	0.68	Q	|	|	|	|
1+35	0.0744	0.67	Q	|	|	|	|
1+40	0.0790	0.67	Q	|	|	|	|
1+45	0.0836	0.67	Q	|	|	|	|
1+50	0.0883	0.68	Q	|	|	|	|
1+55	0.0932	0.72	Q	|	|	|	|
2+ 0	0.0988	0.80	Q	|	|	|	|
2+ 5	0.1045	0.84	Q	|	|	|	|
2+10	0.1104	0.85	Q	|	|	|	|
2+15	0.1164	0.87	Q	|	|	|	|
2+20	0.1224	0.87	Q	|	|	|	|
2+25	0.1284	0.88	Q	|	|	|	|
2+30	0.1345	0.88	Q	|	|	|	|
2+35	0.1407	0.89	Q	|	|	|	|
2+40	0.1471	0.94	Q	|	|	|	|
2+45	0.1541	1.02	Q	|	|	|	|
2+50	0.1614	1.06	Q	|	|	|	|
2+55	0.1688	1.07	Q	|	|	|	|
3+ 0	0.1763	1.09	Q	|	|	|	|
3+ 5	0.1838	1.10	Q	|	|	|	|
3+10	0.1914	1.10	Q	|	|	|	|
3+15	0.1990	1.10	Q	|	|	|	|
3+20	0.2066	1.10	Q	|	|	|	|
3+25	0.2142	1.11	Q	|	|	|	|
3+30	0.2219	1.11	Q	|	|	|	|
3+35	0.2295	1.11	Q	|	|	|	|
3+40	0.2371	1.11	Q	|	|	|	|
3+45	0.2447	1.11	Q	|	|	|	|
3+50	0.2524	1.12	Q	|	|	|	|
3+55	0.2604	1.16	Q	|	|	|	|
4+ 0	0.2690	1.24	Q	|	|	|	|
4+ 5	0.2778	1.28	Q	|	|	|	|





```
   24+10      18.5837      0.34  Q         |         |         |        V|
   24+15      18.5849      0.17  Q         |         |         |        V|
   24+20      18.5856      0.10  Q         |         |         |        V|
   24+25      18.5861      0.07  Q         |         |         |        V|
   24+30      18.5864      0.04  Q         |         |         |        V|
   24+35      18.5865      0.02  Q         |         |         |        V|
   24+40      18.5866      0.01  Q         |         |         |        V|
   24+45      18.5867      0.01  Q         |         |         |        V|
   24+50      18.5867      0.01  Q         |         |         |        V|
   24+55      18.5867      0.00  Q         |         |         |        V|
   25+ 0      18.5868      0.00  Q         |         |         |        V|
   25+ 5      18.5868      0.00  Q         |         |         |        V|
   25+10      18.5868      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
```

AREA TRIBUTARY TO CP4

(3HR, 6HR, & 24HR STORMS)

```
        U n i t   H y d r o g r a p h   A n a l y s i s

        Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                Study date  06/13/23 File: mesae43100.out

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
----------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

----------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



----------------------------------------------------------------------
MESA VERDE ESTATES
EXISTING CONDITION
AREA 4
6/13/23
----------------------------------------------------------------------
Drainage Area =     295.45(Ac.)  =      0.462 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     295.45(Ac.)  =
0.462 Sq. Mi.
Length along longest watercourse =    7835.00(Ft.)
Length along longest watercourse measured to centroid =    3427.00(Ft.)
Length along longest watercourse =      1.484 Mi.
Length along longest watercourse measured to centroid =      0.649 Mi.
Difference in elevation =     256.00(Ft.)
Slope along watercourse =    172.5182 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.311 Hr.
Lag time =    18.67 Min.
25% of lag time =     4.67 Min.
40% of lag time =     7.47 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      295.45              0.94                  277.72

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      295.45              1.97                  582.04

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.87 %
Adjusted average point rain =    1.967(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.160           51.00          0.000
    78.540           70.00          0.000
    66.310           80.00          0.000
   150.440           84.00          0.000
 Total Area Entered =    295.45(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562       0.001      0.000
70.0  70.0      0.362     0.000        0.362       0.266      0.096
80.0  80.0      0.244     0.000        0.244       0.224      0.055
84.0  84.0      0.198     0.000        0.198       0.509      0.101
                                                 Sum (F) =   0.252
Area averaged mean soil loss (F) (In/Hr) =  0.252
Minimum soil loss rate ((In/Hr)) =  0.126
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
----------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
----------------------------------------------------------------------
                Unit Hydrograph Data
----------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
----------------------------------------------------------------------
    1   0.083         26.776          1.862             5.543
    2   0.167         53.551          5.722            17.039
    3   0.250         80.327         10.204            30.383
    4   0.333        107.102         22.736            67.699
    5   0.417        133.878         20.998            62.523
    6   0.500        160.653          9.430            28.080
    7   0.583        187.429          6.471            19.267
    8   0.667        214.204          4.976            14.816
    9   0.750        240.980          3.859            11.491
   10   0.833        267.755          3.124             9.302
   11   0.917        294.531          2.493             7.423
   12   1.000        321.306          2.022             6.021
   13   1.083        348.082          1.563             4.655
   14   1.167        374.857          1.197             3.564
   15   1.250        401.633          0.912             2.715
   16   1.333        428.408          0.510             1.519
   17   1.417        455.184          0.320             0.954
   18   1.500        481.959          0.285             0.849
   19   1.583        508.735          0.262             0.780
   20   1.667        535.510          0.185             0.551
   21   1.750        562.286          0.166             0.495
   22   1.833        589.061          0.206             0.614
```

23	1.917	615.837	0.195	0.582
24	2.000	642.612	0.116	0.346
25	2.083	669.388	0.093	0.277
26	2.167	696.163	0.056	0.166
27	2.250	722.939	0.034	0.103
		Sum = 100.000	Sum=	297.758

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit (Hr.)	Time Percent	Pattern (In/Hr)	Storm Rain Max	Loss rate(In./Hr) Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.252	(0.276)	0.055
2	0.17	1.30	0.307	0.252	(0.276)	0.055
3	0.25	1.10	0.260	(0.252)	0.234	0.026
4	0.33	1.50	0.354	0.252	(0.319)	0.102
5	0.42	1.50	0.354	0.252	(0.319)	0.102
6	0.50	1.80	0.425	0.252	(0.382)	0.173
7	0.58	1.50	0.354	0.252	(0.319)	0.102
8	0.67	1.80	0.425	0.252	(0.382)	0.173
9	0.75	1.80	0.425	0.252	(0.382)	0.173
10	0.83	1.50	0.354	0.252	(0.319)	0.102
11	0.92	1.60	0.378	0.252	(0.340)	0.125
12	1.00	1.80	0.425	0.252	(0.382)	0.173
13	1.08	2.20	0.519	0.252	(0.467)	0.267
14	1.17	2.20	0.519	0.252	(0.467)	0.267
15	1.25	2.20	0.519	0.252	(0.467)	0.267
16	1.33	2.00	0.472	0.252	(0.425)	0.220
17	1.42	2.60	0.614	0.252	(0.552)	0.362
18	1.50	2.70	0.637	0.252	(0.574)	0.385
19	1.58	2.40	0.567	0.252	(0.510)	0.314
20	1.67	2.70	0.637	0.252	(0.574)	0.385
21	1.75	3.30	0.779	0.252	(0.701)	0.527
22	1.83	3.10	0.732	0.252	(0.659)	0.480
23	1.92	2.90	0.685	0.252	(0.616)	0.432
24	2.00	3.00	0.708	0.252	(0.637)	0.456
25	2.08	3.10	0.732	0.252	(0.659)	0.480
26	2.17	4.20	0.992	0.252	(0.892)	0.739
27	2.25	5.00	1.180	0.252	(1.062)	0.928
28	2.33	3.50	0.826	0.252	(0.744)	0.574
29	2.42	6.80	1.605	0.252	(1.445)	1.353
30	2.50	7.30	1.723	0.252	(1.551)	1.471
31	2.58	8.20	1.936	0.252	(1.742)	1.684
32	2.67	5.90	1.393	0.252	(1.254)	1.141
33	2.75	2.00	0.472	0.252	(0.425)	0.220
34	2.83	1.80	0.425	0.252	(0.382)	0.173
35	2.92	1.80	0.425	0.252	(0.382)	0.173
36	3.00	0.60	0.142	(0.252)	0.127	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.7

Flood volume = Effective rainfall 1.22(In)
times area 295.4(Ac.)/[(In)/(Ft.)] = 30.1(Ac.Ft)
Total soil loss = 0.75(In)
Total soil loss = 18.343(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 1311048.3 Cubic Feet
Total soil loss = 799013.2 Cubic Feet

Peak flow rate of this hydrograph = 334.388(CFS)

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 100.0 200.0 300.0 400.0
0+ 5	0.0021	0.30	Q
0+10	0.0106	1.23	Q
0+15	0.0294	2.73	Q
0+20	0.0733	6.37	Q
0+25	0.1435	10.20	VQ
0+30	0.2296	12.50	VQ
0+35	0.3516	17.71	VQ
0+40	0.5155	23.80	V Q
0+45	0.7211	29.86	V Q
0+50	0.9470	32.80	V Q
0+55	1.1900	35.28	V Q
1+ 0	1.4553	38.53	V Q
1+ 5	1.7184	38.20	VQ
1+10	1.9948	40.13	V Q
1+15	2.3189	47.05	VQ
1+20	2.7077	56.46	V Q
1+25	3.1476	63.88	V Q
1+30	3.6209	68.73	V Q
1+35	4.1200	72.46	V Q
1+40	4.6777	80.99	V Q
1+45	5.3077	91.47	V Q
1+50	5.9743	96.80	V Q
1+55	6.6913	104.10	V Q
2+ 0	7.4958	116.82	V Q
2+ 5	8.3526	124.40	VQ
2+10	9.2264	126.87	Q
2+15	10.1540	134.70	Q
2+20	11.1730	147.95	Q
2+25	12.3620	172.64	VQ
2+30	13.7860	206.77	V Q
2+35	15.3716	230.22	V Q
2+40	17.2753	276.41	V Q
2+45	19.5037	323.56	V Q
2+50	21.8066	334.39	V Q
2+55	23.8748	300.30	QV
3+ 0	25.3993	221.36	Q V
3+ 5	26.4821	157.22	Q V
3+10	27.3403	124.61	Q V
3+15	27.9982	95.54	Q V
3+20	28.4889	71.24	Q V
3+25	28.8691	55.21	Q V
3+30	29.1647	42.92	Q V
3+35	29.3935	33.22	Q V
3+40	29.5662	25.07	Q V
3+45	29.6932	18.44	Q V
3+50	29.7844	13.24	Q V
3+55	29.8510	9.67	Q V
4+ 0	29.9033	7.60	Q V
4+ 5	29.9457	6.16	Q V

```
   4+10      29.9802      5.02  Q         |         |         |        V|
   4+15      30.0098      4.29  Q         |         |         |        V|
   4+20      30.0354      3.73  Q         |         |         |        V|
   4+25      30.0568      3.11  Q         |         |         |        V|
   4+30      30.0724      2.26  Q         |         |         |        V|
   4+35      30.0833      1.57  Q         |         |         |        V|
   4+40      30.0904      1.04  Q         |         |         |        V|
   4+45      30.0945      0.59  Q         |         |         |        V|
   4+50      30.0963      0.27  Q         |         |         |        V|
   4+55      30.0970      0.10  Q         |         |         |        V|
   5+ 0      30.0974      0.05  Q         |         |         |        V|
   5+ 5      30.0975      0.02  Q         |         |         |        V|
   5+10      30.0975      0.00  Q         |         |         |         V
---------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae46100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 4
6/13/23

Drainage Area = 295.45(Ac.) = 0.462 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 295.45(Ac.) = 0.462 Sq. Mi.
Length along longest watercourse = 7835.00(Ft.)
Length along longest watercourse measured to centroid = 3427.00(Ft.)
Length along longest watercourse = 1.484 Mi.
Length along longest watercourse measured to centroid = 0.649 Mi.
Difference in elevation = 256.00(Ft.)
Slope along watercourse = 172.5182 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.311 Hr.
Lag time = 18.67 Min.
25% of lag time = 4.67 Min.
40% of lag time = 7.47 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
295.45	1.35	398.86

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
295.45	2.78	821.35

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.90 %
Adjusted average point rain = 2.777(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.160	51.00	0.000
78.540	70.00	0.000
66.310	80.00	0.000
150.440	84.00	0.000

Total Area Entered = 295.45(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.001	0.000
70.0	70.0	0.362	0.000	0.362	0.266	0.096
80.0	80.0	0.244	0.000	0.244	0.224	0.055
84.0	84.0	0.198	0.000	0.198	0.509	0.101
					Sum (F) =	0.252

Area averaged mean soil loss (F) (In/Hr) = 0.252
Minimum soil loss rate ((In/Hr)) = 0.126
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	26.776	1.862	5.543
2	0.167	53.551	5.722	17.039
3	0.250	80.327	10.204	30.383
4	0.333	107.102	22.736	67.699
5	0.417	133.878	20.998	62.523
6	0.500	160.653	9.430	28.080
7	0.583	187.429	6.471	19.267
8	0.667	214.204	4.976	14.816
9	0.750	240.980	3.859	11.491
10	0.833	267.755	3.124	9.302
11	0.917	294.531	2.493	7.423
12	1.000	321.306	2.022	6.021
13	1.083	348.082	1.563	4.655
14	1.167	374.857	1.197	3.564
15	1.250	401.633	0.912	2.715
16	1.333	428.408	0.510	1.519
17	1.417	455.184	0.320	0.954
18	1.500	481.959	0.285	0.849
19	1.583	508.735	0.262	0.780
20	1.667	535.510	0.185	0.551
21	1.750	562.286	0.166	0.495
22	1.833	589.061	0.206	0.614

23	1.917	615.837	0.195	0.582
24	2.000	642.612	0.116	0.346
25	2.083	669.388	0.093	0.277
26	2.167	696.163	0.056	0.166
27	2.250	722.939	0.034	0.103
		Sum = 100.000	Sum=	297.758

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.252)	0.150	0.017
2	0.17	0.60	0.200	(0.252)	0.180	0.020
3	0.25	0.60	0.200	(0.252)	0.180	0.020
4	0.33	0.60	0.200	(0.252)	0.180	0.020
5	0.42	0.60	0.200	(0.252)	0.180	0.020
6	0.50	0.70	0.233	(0.252)	0.210	0.023
7	0.58	0.70	0.233	(0.252)	0.210	0.023
8	0.67	0.70	0.233	(0.252)	0.210	0.023
9	0.75	0.70	0.233	(0.252)	0.210	0.023
10	0.83	0.70	0.233	(0.252)	0.210	0.023
11	0.92	0.70	0.233	(0.252)	0.210	0.023
12	1.00	0.80	0.267	(0.252)	0.240	0.027
13	1.08	0.80	0.267	(0.252)	0.240	0.027
14	1.17	0.80	0.267	(0.252)	0.240	0.027
15	1.25	0.80	0.267	(0.252)	0.240	0.027
16	1.33	0.80	0.267	(0.252)	0.240	0.027
17	1.42	0.80	0.267	(0.252)	0.240	0.027
18	1.50	0.80	0.267	(0.252)	0.240	0.027
19	1.58	0.80	0.267	(0.252)	0.240	0.027
20	1.67	0.80	0.267	(0.252)	0.240	0.027
21	1.75	0.80	0.267	(0.252)	0.240	0.027
22	1.83	0.80	0.267	(0.252)	0.240	0.027
23	1.92	0.80	0.267	(0.252)	0.240	0.027
24	2.00	0.90	0.300	0.252	(0.270)	0.048
25	2.08	0.80	0.267	(0.252)	0.240	0.027
26	2.17	0.90	0.300	0.252	(0.270)	0.048
27	2.25	0.90	0.300	0.252	(0.270)	0.048
28	2.33	0.90	0.300	0.252	(0.270)	0.048
29	2.42	0.90	0.300	0.252	(0.270)	0.048
30	2.50	0.90	0.300	0.252	(0.270)	0.048
31	2.58	0.90	0.300	0.252	(0.270)	0.048
32	2.67	0.90	0.300	0.252	(0.270)	0.048
33	2.75	1.00	0.333	0.252	(0.300)	0.081
34	2.83	1.00	0.333	0.252	(0.300)	0.081
35	2.92	1.00	0.333	0.252	(0.300)	0.081
36	3.00	1.00	0.333	0.252	(0.300)	0.081
37	3.08	1.00	0.333	0.252	(0.300)	0.081
38	3.17	1.10	0.367	0.252	(0.330)	0.114
39	3.25	1.10	0.367	0.252	(0.330)	0.114
40	3.33	1.10	0.367	0.252	(0.330)	0.114
41	3.42	1.20	0.400	0.252	(0.360)	0.148
42	3.50	1.30	0.433	0.252	(0.390)	0.181
43	3.58	1.40	0.467	0.252	(0.420)	0.214
44	3.67	1.40	0.467	0.252	(0.420)	0.214
45	3.75	1.50	0.500	0.252	(0.450)	0.248
46	3.83	1.50	0.500	0.252	(0.450)	0.248
47	3.92	1.60	0.533	0.252	(0.480)	0.281
48	4.00	1.60	0.533	0.252	(0.480)	0.281
49	4.08	1.70	0.567	0.252	(0.510)	0.314
50	4.17	1.80	0.600	0.252	(0.540)	0.348
51	4.25	1.90	0.633	0.252	(0.570)	0.381
52	4.33	2.00	0.667	0.252	(0.600)	0.414
53	4.42	2.10	0.700	0.252	(0.630)	0.448
54	4.50	2.10	0.700	0.252	(0.630)	0.448
55	4.58	2.20	0.733	0.252	(0.660)	0.481
56	4.67	2.30	0.767	0.252	(0.690)	0.514
57	4.75	2.40	0.800	0.252	(0.720)	0.548
58	4.83	2.40	0.800	0.252	(0.720)	0.548
59	4.92	2.50	0.833	0.252	(0.750)	0.581
60	5.00	2.60	0.866	0.252	(0.780)	0.614
61	5.08	3.10	1.033	0.252	(0.930)	0.781
62	5.17	3.60	1.200	0.252	(1.080)	0.947
63	5.25	3.90	1.300	0.252	(1.170)	1.047
64	5.33	4.20	1.400	0.252	(1.260)	1.147
65	5.42	4.70	1.566	0.252	(1.410)	1.314
66	5.50	5.60	1.866	0.252	(1.680)	1.614
67	5.58	1.90	0.633	0.252	(0.570)	0.381
68	5.67	0.90	0.300	0.252	(0.270)	0.048
69	5.75	0.60	0.200	(0.252)	0.180	0.020
70	5.83	0.50	0.167	(0.252)	0.150	0.017
71	5.92	0.30	0.100	(0.252)	0.090	0.010
72	6.00	0.20	0.067	(0.252)	0.060	0.007
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	16.5

Flood volume = Effective rainfall 1.37(In)
times area 295.4(Ac.)/[(In)/(Ft.)] = 33.8(Ac.Ft)
Total soil loss = 1.40(In)
Total soil loss = 34.533(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 1474238.1 Cubic Feet
Total soil loss = 1504238.0 Cubic Feet

Peak flow rate of this hydrograph = 303.517(CFS)

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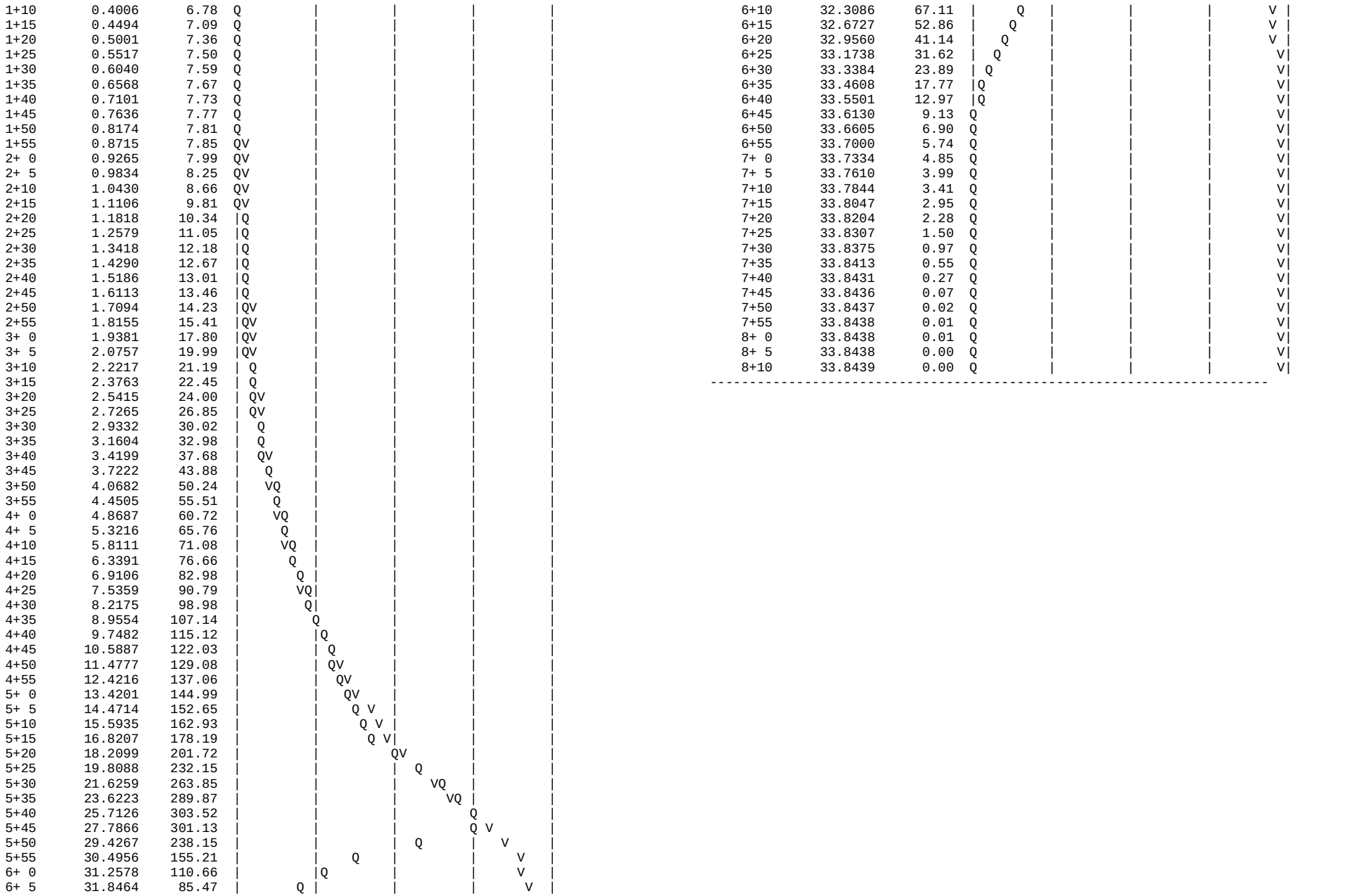
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	100.0	200.0	300.0	400.0
0+ 5	0.0006	0.09	Q	|	|	|	|
0+10	0.0034	0.39	Q	|	|	|	|
0+15	0.0100	0.96	Q	|	|	|	|
0+20	0.0250	2.19	Q	|	|	|	|
0+25	0.0488	3.46	Q	|	|	|	|
0+30	0.0774	4.15	Q	|	|	|	|
0+35	0.1093	4.62	Q	|	|	|	|
0+40	0.1439	5.04	Q	|	|	|	|
0+45	0.1818	5.50	Q	|	|	|	|
0+50	0.2225	5.90	Q	|	|	|	|
0+55	0.2649	6.15	Q	|	|	|	|
1+ 0	0.3087	6.36	Q	|	|	|	|
1+ 5	0.3539	6.56	Q	|	|	|	|



U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae424100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 4
6/13/23

Drainage Area = 295.45(Ac.) = 0.462 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 295.45(Ac.) = 0.462 Sq. Mi.
Length along longest watercourse = 7835.00(Ft.)
Length along longest watercourse measured to centroid = 3427.00(Ft.)
Length along longest watercourse = 1.484 Mi.
Length along longest watercourse measured to centroid = 0.649 Mi.
Difference in elevation = 256.00(Ft.)
Slope along watercourse = 172.5182 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.311 Hr.
Lag time = 18.67 Min.
25% of lag time = 4.67 Min.
40% of lag time = 7.47 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
295.45	2.45	723.85

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
295.45	6.08	1796.34

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.94 %
Adjusted average point rain = 6.076(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.160	51.00	0.000
78.540	70.00	0.000
66.310	80.00	0.000
150.440	84.00	0.000

Total Area Entered = 295.45(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.001	0.000
70.0	70.0	0.362	0.000	0.362	0.266	0.096
80.0	80.0	0.244	0.000	0.244	0.224	0.055
84.0	84.0	0.198	0.000	0.198	0.509	0.101
					Sum (F) =	0.252

Area averaged mean soil loss (F) (In/Hr) = 0.252
Minimum soil loss rate ((In/Hr)) = 0.126
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	26.776	1.862	5.543
2	0.167	53.551	5.722	17.039
3	0.250	80.327	10.204	30.383
4	0.333	107.102	22.736	67.699
5	0.417	133.878	20.998	62.523
6	0.500	160.653	9.430	28.080
7	0.583	187.429	6.471	19.267
8	0.667	214.204	4.976	14.816
9	0.750	240.980	3.859	11.491
10	0.833	267.755	3.124	9.302
11	0.917	294.531	2.493	7.423
12	1.000	321.306	2.022	6.021
13	1.083	348.082	1.563	4.655
14	1.167	374.857	1.197	3.564
15	1.250	401.633	0.912	2.715
16	1.333	428.408	0.510	1.519
17	1.417	455.184	0.320	0.954
18	1.500	481.959	0.285	0.849
19	1.583	508.735	0.262	0.780
20	1.667	535.510	0.185	0.551
21	1.750	562.286	0.166	0.495
22	1.833	589.061	0.206	0.614

23	1.917	615.837	0.195	0.582
24	2.000	642.612	0.116	0.346
25	2.083	669.388	0.093	0.277
26	2.167	696.163	0.056	0.166
27	2.250	722.939	0.034	0.103
			Sum = 100.000	Sum= 297.758

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.447)	0.044	0.005
2	0.17	0.07	0.049	(0.446)	0.044	0.005
3	0.25	0.07	0.049	(0.444)	0.044	0.005
4	0.33	0.10	0.073	(0.442)	0.066	0.007
5	0.42	0.10	0.073	(0.440)	0.066	0.007
6	0.50	0.10	0.073	(0.439)	0.066	0.007
7	0.58	0.10	0.073	(0.437)	0.066	0.007
8	0.67	0.10	0.073	(0.435)	0.066	0.007
9	0.75	0.10	0.073	(0.434)	0.066	0.007
10	0.83	0.13	0.097	(0.432)	0.088	0.010
11	0.92	0.13	0.097	(0.430)	0.088	0.010
12	1.00	0.13	0.097	(0.428)	0.088	0.010
13	1.08	0.10	0.073	(0.427)	0.066	0.007
14	1.17	0.10	0.073	(0.425)	0.066	0.007
15	1.25	0.10	0.073	(0.423)	0.066	0.007
16	1.33	0.10	0.073	(0.422)	0.066	0.007
17	1.42	0.10	0.073	(0.420)	0.066	0.007
18	1.50	0.10	0.073	(0.418)	0.066	0.007
19	1.58	0.10	0.073	(0.417)	0.066	0.007
20	1.67	0.10	0.073	(0.415)	0.066	0.007
21	1.75	0.10	0.073	(0.413)	0.066	0.007
22	1.83	0.13	0.097	(0.412)	0.088	0.010
23	1.92	0.13	0.097	(0.410)	0.088	0.010
24	2.00	0.13	0.097	(0.408)	0.088	0.010
25	2.08	0.13	0.097	(0.407)	0.088	0.010
26	2.17	0.13	0.097	(0.405)	0.088	0.010
27	2.25	0.13	0.097	(0.403)	0.088	0.010
28	2.33	0.13	0.097	(0.402)	0.088	0.010
29	2.42	0.13	0.097	(0.400)	0.088	0.010
30	2.50	0.13	0.097	(0.399)	0.088	0.010
31	2.58	0.17	0.122	(0.397)	0.109	0.012
32	2.67	0.17	0.122	(0.395)	0.109	0.012
33	2.75	0.17	0.122	(0.394)	0.109	0.012
34	2.83	0.17	0.122	(0.392)	0.109	0.012
35	2.92	0.17	0.122	(0.390)	0.109	0.012
36	3.00	0.17	0.122	(0.389)	0.109	0.012
37	3.08	0.17	0.122	(0.387)	0.109	0.012
38	3.17	0.17	0.122	(0.386)	0.109	0.012
39	3.25	0.17	0.122	(0.384)	0.109	0.012
40	3.33	0.17	0.122	(0.382)	0.109	0.012
41	3.42	0.17	0.122	(0.381)	0.109	0.012
42	3.50	0.17	0.122	(0.379)	0.109	0.012
43	3.58	0.17	0.122	(0.378)	0.109	0.012
44	3.67	0.17	0.122	(0.376)	0.109	0.012
45	3.75	0.17	0.122	(0.374)	0.109	0.012
46	3.83	0.20	0.146	(0.373)	0.131	0.015
47	3.92	0.20	0.146	(0.371)	0.131	0.015
48	4.00	0.20	0.146	(0.370)	0.131	0.015
49	4.08	0.20	0.146	(0.368)	0.131	0.015
50	4.17	0.20	0.146	(0.367)	0.131	0.015
51	4.25	0.20	0.146	(0.365)	0.131	0.015
52	4.33	0.23	0.170	(0.363)	0.153	0.017
53	4.42	0.23	0.170	(0.362)	0.153	0.017
54	4.50	0.23	0.170	(0.360)	0.153	0.017
55	4.58	0.23	0.170	(0.359)	0.153	0.017
56	4.67	0.23	0.170	(0.357)	0.153	0.017
57	4.75	0.23	0.170	(0.356)	0.153	0.017
58	4.83	0.27	0.194	(0.354)	0.175	0.019
59	4.92	0.27	0.194	(0.353)	0.175	0.019
60	5.00	0.27	0.194	(0.351)	0.175	0.019
61	5.08	0.20	0.146	(0.350)	0.131	0.015
62	5.17	0.20	0.146	(0.348)	0.131	0.015
63	5.25	0.20	0.146	(0.347)	0.131	0.015
64	5.33	0.23	0.170	(0.345)	0.153	0.017
65	5.42	0.23	0.170	(0.344)	0.153	0.017
66	5.50	0.23	0.170	(0.342)	0.153	0.017
67	5.58	0.27	0.194	(0.341)	0.175	0.019
68	5.67	0.27	0.194	(0.339)	0.175	0.019
69	5.75	0.27	0.194	(0.338)	0.175	0.019
70	5.83	0.27	0.194	(0.336)	0.175	0.019
71	5.92	0.27	0.194	(0.335)	0.175	0.019
72	6.00	0.27	0.194	(0.333)	0.175	0.019
73	6.08	0.30	0.219	(0.332)	0.197	0.022
74	6.17	0.30	0.219	(0.330)	0.197	0.022
75	6.25	0.30	0.219	(0.329)	0.197	0.022
76	6.33	0.30	0.219	(0.327)	0.197	0.022
77	6.42	0.30	0.219	(0.326)	0.197	0.022
78	6.50	0.30	0.219	(0.324)	0.197	0.022
79	6.58	0.33	0.243	(0.323)	0.219	0.024
80	6.67	0.33	0.243	(0.321)	0.219	0.024
81	6.75	0.33	0.243	(0.320)	0.219	0.024
82	6.83	0.33	0.243	(0.318)	0.219	0.024
83	6.92	0.33	0.243	(0.317)	0.219	0.024
84	7.00	0.33	0.243	(0.316)	0.219	0.024
85	7.08	0.33	0.243	(0.314)	0.219	0.024
86	7.17	0.33	0.243	(0.313)	0.219	0.024
87	7.25	0.33	0.243	(0.311)	0.219	0.024
88	7.33	0.37	0.267	(0.310)	0.241	0.027
89	7.42	0.37	0.267	(0.308)	0.241	0.027
90	7.50	0.37	0.267	(0.307)	0.241	0.027
91	7.58	0.40	0.292	(0.306)	0.263	0.029
92	7.67	0.40	0.292	(0.304)	0.263	0.029
93	7.75	0.40	0.292	(0.303)	0.263	0.029
94	7.83	0.43	0.316	(0.301)	0.284	0.032
95	7.92	0.43	0.316	(0.300)	0.284	0.032
96	8.00	0.43	0.316	(0.299)	0.284	0.032
97	8.08	0.50	0.365	0.297	(0.328)	0.067
98	8.17	0.50	0.365	0.296	(0.328)	0.069
99	8.25	0.50	0.365	0.294	(0.328)	0.070
100	8.33	0.50	0.365	0.293	(0.328)	0.071
101	8.42	0.50	0.365	0.292	(0.328)	0.073
102	8.50	0.50	0.365	0.290	(0.328)	0.074
103	8.58	0.53	0.389	0.289	(0.350)	0.100
104	8.67	0.53	0.389	0.288	(0.350)	0.101
105	8.75	0.53	0.389	0.286	(0.350)	0.103
106	8.83	0.57	0.413	0.285	(0.372)	0.128

107	8.92	0.57	0.413	0.284	(0.372)	0.130
108	9.00	0.57	0.413	0.282	(0.372)	0.131
109	9.08	0.63	0.462	0.281	(0.416)	0.181
110	9.17	0.63	0.462	0.280	(0.416)	0.182
111	9.25	0.63	0.462	0.278	(0.416)	0.184
112	9.33	0.67	0.486	0.277	(0.438)	0.209
113	9.42	0.67	0.486	0.276	(0.438)	0.211
114	9.50	0.67	0.486	0.274	(0.438)	0.212
115	9.58	0.70	0.510	0.273	(0.459)	0.237
116	9.67	0.70	0.510	0.272	(0.459)	0.239
117	9.75	0.70	0.510	0.270	(0.459)	0.240
118	9.83	0.73	0.535	0.269	(0.481)	0.266
119	9.92	0.73	0.535	0.268	(0.481)	0.267
120	10.00	0.73	0.535	0.266	(0.481)	0.268
121	10.08	0.50	0.365	0.265	(0.328)	0.099
122	10.17	0.50	0.365	0.264	(0.328)	0.101
123	10.25	0.50	0.365	0.263	(0.328)	0.102
124	10.33	0.50	0.365	0.261	(0.328)	0.103
125	10.42	0.50	0.365	0.260	(0.328)	0.105
126	10.50	0.50	0.365	0.259	(0.328)	0.106
127	10.58	0.67	0.486	0.258	(0.438)	0.229
128	10.67	0.67	0.486	0.256	(0.438)	0.230
129	10.75	0.67	0.486	0.255	(0.438)	0.231
130	10.83	0.67	0.486	0.254	(0.438)	0.232
131	10.92	0.67	0.486	0.253	(0.438)	0.234
132	11.00	0.67	0.486	0.251	(0.438)	0.235
133	11.08	0.63	0.462	0.250	(0.416)	0.212
134	11.17	0.63	0.462	0.249	(0.416)	0.213
135	11.25	0.63	0.462	0.248	(0.416)	0.214
136	11.33	0.63	0.462	0.246	(0.416)	0.215
137	11.42	0.63	0.462	0.245	(0.416)	0.217
138	11.50	0.63	0.462	0.244	(0.416)	0.218
139	11.58	0.57	0.413	0.243	(0.372)	0.170
140	11.67	0.57	0.413	0.241	(0.372)	0.172
141	11.75	0.57	0.413	0.240	(0.372)	0.173
142	11.83	0.60	0.438	0.239	(0.394)	0.198
143	11.92	0.60	0.438	0.238	(0.394)	0.200
144	12.00	0.60	0.438	0.237	(0.394)	0.201
145	12.08	0.83	0.608	0.236	(0.547)	0.372
146	12.17	0.83	0.608	0.234	(0.547)	0.373
147	12.25	0.83	0.608	0.233	(0.547)	0.374
148	12.33	0.87	0.632	0.232	(0.569)	0.400
149	12.42	0.87	0.632	0.231	(0.569)	0.401
150	12.50	0.87	0.632	0.230	(0.569)	0.402
151	12.58	0.93	0.681	0.229	(0.613)	0.452
152	12.67	0.93	0.681	0.227	(0.613)	0.453
153	12.75	0.93	0.681	0.226	(0.613)	0.454
154	12.83	0.97	0.705	0.225	(0.634)	0.480
155	12.92	0.97	0.705	0.224	(0.634)	0.481
156	13.00	0.97	0.705	0.223	(0.634)	0.482
157	13.08	1.13	0.826	0.222	(0.744)	0.605
158	13.17	1.13	0.826	0.221	(0.744)	0.606
159	13.25	1.13	0.826	0.219	(0.744)	0.607
160	13.33	1.13	0.826	0.218	(0.744)	0.608
161	13.42	1.13	0.826	0.217	(0.744)	0.609
162	13.50	1.13	0.826	0.216	(0.744)	0.610
163	13.58	0.77	0.559	0.215	(0.503)	0.344
164	13.67	0.77	0.559	0.214	(0.503)	0.345
165	13.75	0.77	0.559	0.213	(0.503)	0.346
166	13.83	0.77	0.559	0.212	(0.503)	0.347
167	13.92	0.77	0.559	0.211	(0.503)	0.348
168	14.00	0.77	0.559	0.210	(0.503)	0.349
169	14.08	0.90	0.656	0.209	(0.591)	0.448
170	14.17	0.90	0.656	0.207	(0.591)	0.449
171	14.25	0.90	0.656	0.206	(0.591)	0.450
172	14.33	0.87	0.632	0.205	(0.569)	0.427
173	14.42	0.87	0.632	0.204	(0.569)	0.428
174	14.50	0.87	0.632	0.203	(0.569)	0.429
175	14.58	0.87	0.632	0.202	(0.569)	0.430
176	14.67	0.87	0.632	0.201	(0.569)	0.431
177	14.75	0.87	0.632	0.200	(0.569)	0.432
178	14.83	0.83	0.608	0.199	(0.547)	0.409
179	14.92	0.83	0.608	0.198	(0.547)	0.410
180	15.00	0.83	0.608	0.197	(0.547)	0.411
181	15.08	0.80	0.583	0.196	(0.525)	0.387
182	15.17	0.80	0.583	0.195	(0.525)	0.388
183	15.25	0.80	0.583	0.194	(0.525)	0.389
184	15.33	0.77	0.559	0.193	(0.503)	0.366
185	15.42	0.77	0.559	0.192	(0.503)	0.367
186	15.50	0.77	0.559	0.191	(0.503)	0.368
187	15.58	0.63	0.462	0.190	(0.416)	0.272
188	15.67	0.63	0.462	0.189	(0.416)	0.273
189	15.75	0.63	0.462	0.188	(0.416)	0.274
190	15.83	0.63	0.462	0.187	(0.416)	0.275
191	15.92	0.63	0.462	0.186	(0.416)	0.276
192	16.00	0.63	0.462	0.185	(0.416)	0.277
193	16.08	0.13	0.097	(0.184)	0.088	0.010
194	16.17	0.13	0.097	(0.183)	0.088	0.010
195	16.25	0.13	0.097	(0.182)	0.088	0.010
196	16.33	0.13	0.097	(0.182)	0.088	0.010
197	16.42	0.13	0.097	(0.181)	0.088	0.010
198	16.50	0.13	0.097	(0.180)	0.088	0.010
199	16.58	0.10	0.073	(0.179)	0.066	0.007
200	16.67	0.10	0.073	(0.178)	0.066	0.007
201	16.75	0.10	0.073	(0.177)	0.066	0.007
202	16.83	0.10	0.073	(0.176)	0.066	0.007
203	16.92	0.10	0.073	(0.175)	0.066	0.007
204	17.00	0.10	0.073	(0.174)	0.066	0.007
205	17.08	0.17	0.122	(0.173)	0.109	0.012
206	17.17	0.17	0.122	(0.173)	0.109	0.012
207	17.25	0.17	0.122	(0.172)	0.109	0.012
208	17.33	0.17	0.122	(0.171)	0.109	0.012
209	17.42	0.17	0.122	(0.170)	0.109	0.012
210	17.50	0.17	0.122	(0.169)	0.109	0.012
211	17.58	0.17	0.122	(0.168)	0.109	0.012
212	17.67	0.17	0.122	(0.167)	0.109	0.012
213	17.75	0.17	0.122	(0.167)	0.109	0.012
214	17.83	0.13	0.097	(0.166)	0.088	0.010
215	17.92	0.13	0.097	(0.165)	0.088	0.010
216	18.00	0.13	0.097	(0.164)	0.088	0.010
217	18.08	0.13	0.097	(0.163)	0.088	0.010
218	18.17	0.13	0.097	(0.163)	0.088	0.010
219	18.25	0.13	0.097	(0.162)	0.088	0.010
220	18.33	0.13	0.097	(0.161)	0.088	0.010
221	18.42	0.13	0.097	(0.160)	0.088	0.010
222	18.50	0.13	0.097	(0.159)	0.088	0.010
223	18.58	0.10	0.073	(0.159)	0.066	0.007
224	18.67	0.10	0.073	(0.158)	0.066	0.007
225	18.75	0.10	0.073	(0.157)	0.066	0.007
226	18.83	0.07	0.049	(0.156)	0.044	0.005

227	18.92	0.07	0.049	(0.156)	0.044	0.005
228	19.00	0.07	0.049	(0.155)	0.044	0.005
229	19.08	0.10	0.073	(0.154)	0.066	0.007
230	19.17	0.10	0.073	(0.153)	0.066	0.007
231	19.25	0.10	0.073	(0.153)	0.066	0.007
232	19.33	0.13	0.097	(0.152)	0.088	0.010
233	19.42	0.13	0.097	(0.151)	0.088	0.010
234	19.50	0.13	0.097	(0.151)	0.088	0.010
235	19.58	0.10	0.073	(0.150)	0.066	0.007
236	19.67	0.10	0.073	(0.149)	0.066	0.007
237	19.75	0.10	0.073	(0.149)	0.066	0.007
238	19.83	0.07	0.049	(0.148)	0.044	0.005
239	19.92	0.07	0.049	(0.147)	0.044	0.005
240	20.00	0.07	0.049	(0.147)	0.044	0.005
241	20.08	0.10	0.073	(0.146)	0.066	0.007
242	20.17	0.10	0.073	(0.145)	0.066	0.007
243	20.25	0.10	0.073	(0.145)	0.066	0.007
244	20.33	0.10	0.073	(0.144)	0.066	0.007
245	20.42	0.10	0.073	(0.143)	0.066	0.007
246	20.50	0.10	0.073	(0.143)	0.066	0.007
247	20.58	0.10	0.073	(0.142)	0.066	0.007
248	20.67	0.10	0.073	(0.142)	0.066	0.007
249	20.75	0.10	0.073	(0.141)	0.066	0.007
250	20.83	0.07	0.049	(0.140)	0.044	0.005
251	20.92	0.07	0.049	(0.140)	0.044	0.005
252	21.00	0.07	0.049	(0.139)	0.044	0.005
253	21.08	0.10	0.073	(0.139)	0.066	0.007
254	21.17	0.10	0.073	(0.138)	0.066	0.007
255	21.25	0.10	0.073	(0.138)	0.066	0.007
256	21.33	0.07	0.049	(0.137)	0.044	0.005
257	21.42	0.07	0.049	(0.137)	0.044	0.005
258	21.50	0.07	0.049	(0.136)	0.044	0.005
259	21.58	0.10	0.073	(0.136)	0.066	0.007
260	21.67	0.10	0.073	(0.135)	0.066	0.007
261	21.75	0.10	0.073	(0.135)	0.066	0.007
262	21.83	0.07	0.049	(0.134)	0.044	0.005
263	21.92	0.07	0.049	(0.134)	0.044	0.005
264	22.00	0.07	0.049	(0.133)	0.044	0.005
265	22.08	0.10	0.073	(0.133)	0.066	0.007
266	22.17	0.10	0.073	(0.132)	0.066	0.007
267	22.25	0.10	0.073	(0.132)	0.066	0.007
268	22.33	0.07	0.049	(0.132)	0.044	0.005
269	22.42	0.07	0.049	(0.131)	0.044	0.005
270	22.50	0.07	0.049	(0.131)	0.044	0.005
271	22.58	0.07	0.049	(0.130)	0.044	0.005
272	22.67	0.07	0.049	(0.130)	0.044	0.005
273	22.75	0.07	0.049	(0.130)	0.044	0.005
274	22.83	0.07	0.049	(0.129)	0.044	0.005
275	22.92	0.07	0.049	(0.129)	0.044	0.005
276	23.00	0.07	0.049	(0.129)	0.044	0.005
277	23.08	0.07	0.049	(0.128)	0.044	0.005
278	23.17	0.07	0.049	(0.128)	0.044	0.005
279	23.25	0.07	0.049	(0.128)	0.044	0.005
280	23.33	0.07	0.049	(0.128)	0.044	0.005
281	23.42	0.07	0.049	(0.127)	0.044	0.005
282	23.50	0.07	0.049	(0.127)	0.044	0.005
283	23.58	0.07	0.049	(0.127)	0.044	0.005
284	23.67	0.07	0.049	(0.127)	0.044	0.005
285	23.75	0.07	0.049	(0.127)	0.044	0.005
286	23.83	0.07	0.049	(0.126)	0.044	0.005
287	23.92	0.07	0.049	(0.126)	0.044	0.005
288	24.00	0.07	0.049	(0.126)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.3

Flood volume = Effective rainfall 2.53(In)
times area 295.4(Ac.)/[(In)/(Ft.)] = 62.2(Ac.Ft)
Total soil loss = 3.55(In)
Total soil loss = 87.381(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 2710609.4 Cubic Feet
Total soil loss = 3806327.5 Cubic Feet

Peak flow rate of this hydrograph = 168.708(CFS)

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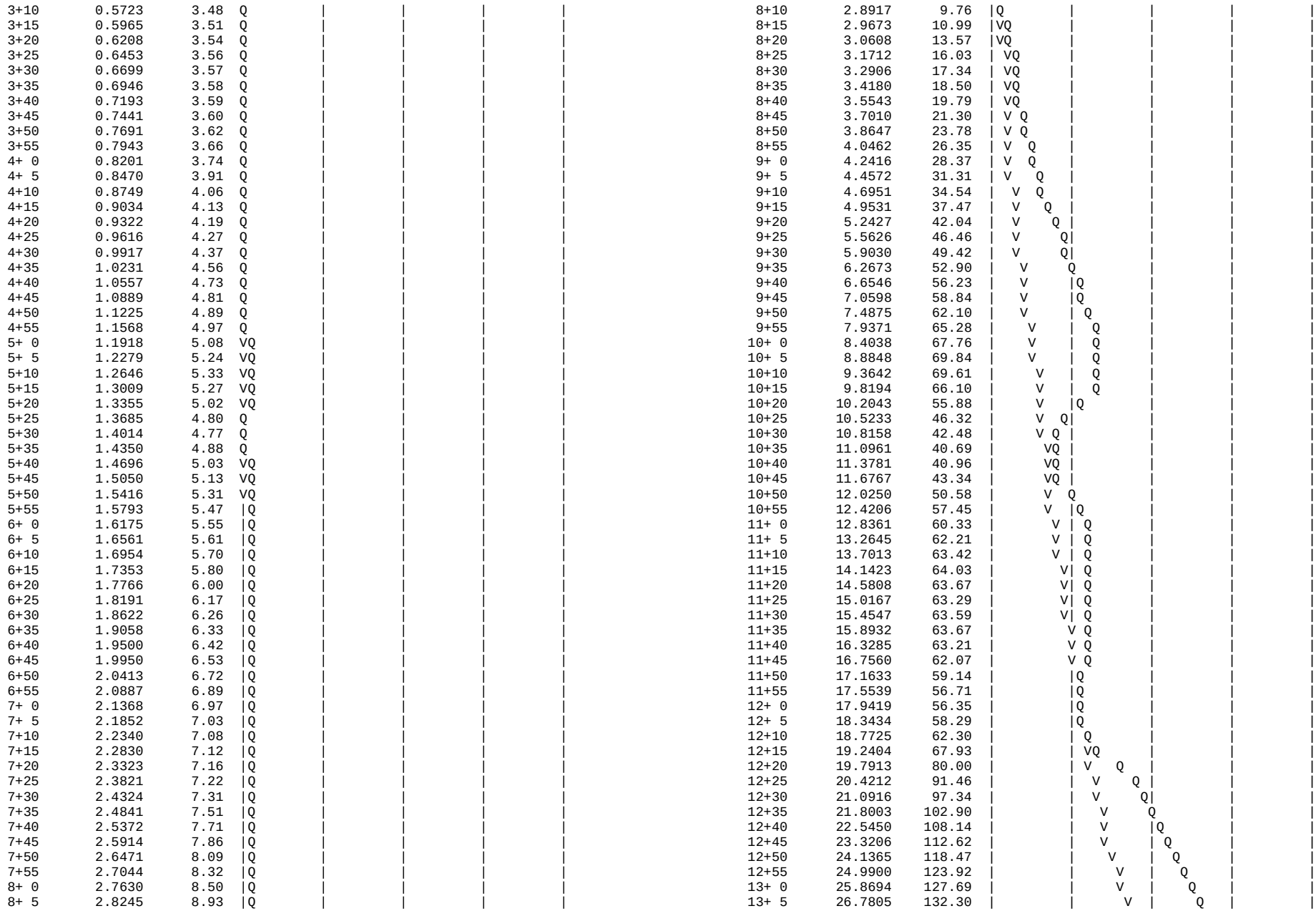
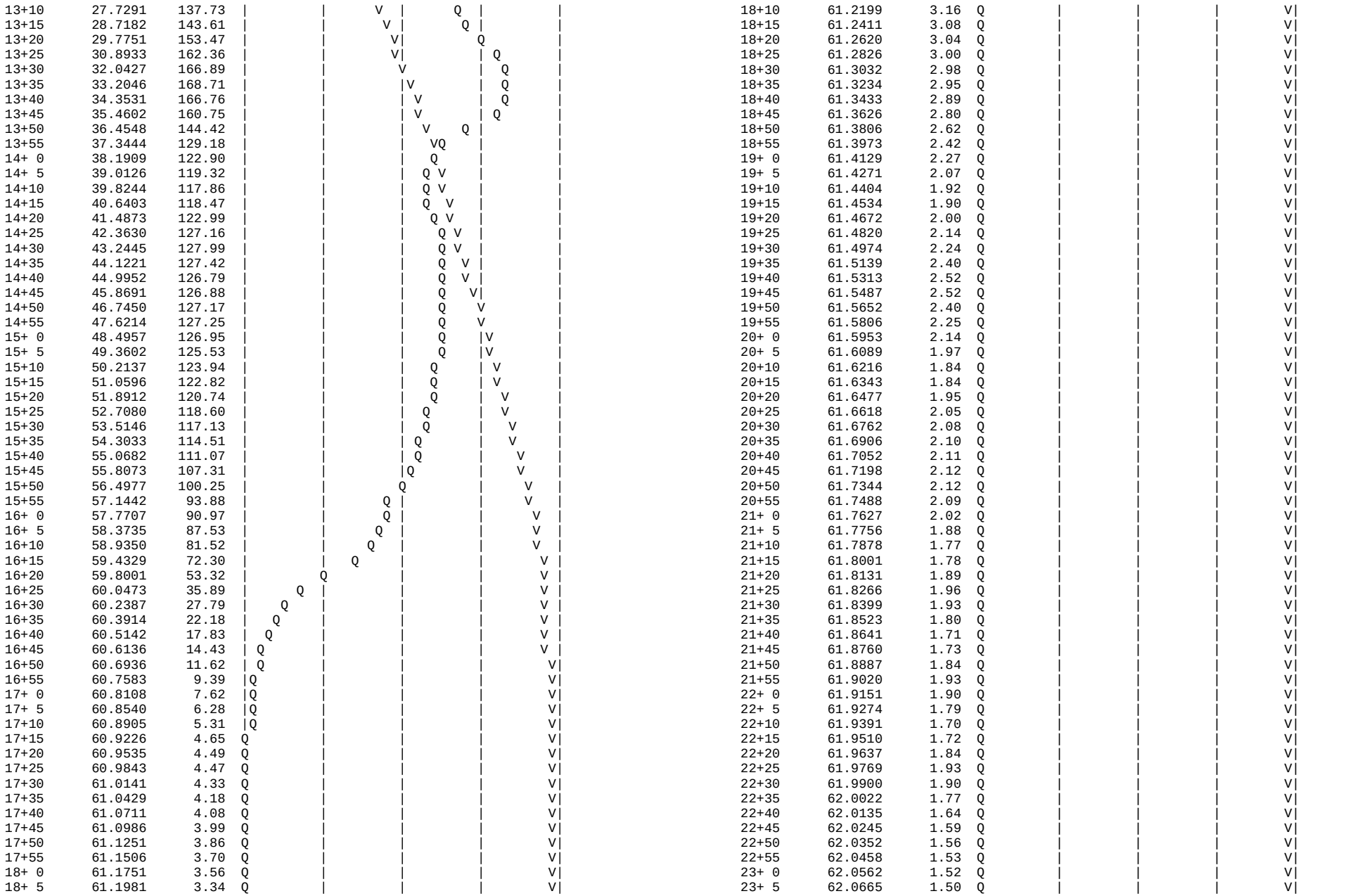
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0002	0.03	Q	|	|	|	|
0+10	0.0009	0.11	Q	|	|	|	|
0+15	0.0027	0.26	Q	|	|	|	|
0+20	0.0069	0.60	Q	|	|	|	|
0+25	0.0134	0.95	Q	|	|	|	|
0+30	0.0213	1.16	Q	|	|	|	|
0+35	0.0311	1.41	Q	|	|	|	|
0+40	0.0424	1.64	Q	|	|	|	|
0+45	0.0545	1.76	Q	|	|	|	|
0+50	0.0674	1.87	Q	|	|	|	|
0+55	0.0810	1.98	Q	|	|	|	|
1+ 0	0.0956	2.11	Q	|	|	|	|
1+ 5	0.1115	2.31	Q	|	|	|	|
1+10	0.1284	2.46	Q	|	|	|	|
1+15	0.1455	2.48	Q	|	|	|	|
1+20	0.1618	2.38	Q	|	|	|	|
1+25	0.1775	2.28	Q	|	|	|	|
1+30	0.1930	2.25	Q	|	|	|	|
1+35	0.2083	2.23	Q	|	|	|	|
1+40	0.2236	2.22	Q	|	|	|	|
1+45	0.2388	2.21	Q	|	|	|	|
1+50	0.2541	2.22	Q	|	|	|	|
1+55	0.2696	2.25	Q	|	|	|	|
2+ 0	0.2856	2.32	Q	|	|	|	|
2+ 5	0.3026	2.48	Q	|	|	|	|
2+10	0.3207	2.63	Q	|	|	|	|
2+15	0.3393	2.69	Q	|	|	|	|
2+20	0.3581	2.74	Q	|	|	|	|
2+25	0.3772	2.77	Q	|	|	|	|
2+30	0.3965	2.80	Q	|	|	|	|
2+35	0.4161	2.84	Q	|	|	|	|
2+40	0.4360	2.90	Q	|	|	|	|
2+45	0.4566	2.98	Q	|	|	|	|
2+50	0.4783	3.16	Q	|	|	|	|
2+55	0.5012	3.32	Q	|	|	|	|
3+ 0	0.5246	3.39	Q	|	|	|	|
3+ 5	0.5483	3.44	Q	|	|	|	|





23+10	62.0768	1.49	Q				V
23+15	62.0870	1.48	Q				V
23+20	62.0971	1.47	Q				V
23+25	62.1072	1.47	Q				V
23+30	62.1173	1.46	Q				V
23+35	62.1273	1.46	Q				V
23+40	62.1373	1.46	Q				V
23+45	62.1474	1.45	Q				V
23+50	62.1574	1.45	Q				V
23+55	62.1674	1.45	Q				V
24+ 0	62.1774	1.45	Q				V
24+ 5	62.1872	1.42	Q				V
24+10	62.1964	1.34	Q				V
24+15	62.2046	1.19	Q				V
24+20	62.2106	0.86	Q				V
24+25	62.2144	0.56	Q				V
24+30	62.2173	0.42	Q				V
24+35	62.2195	0.33	Q				V
24+40	62.2213	0.25	Q				V
24+45	62.2227	0.20	Q				V
24+50	62.2237	0.15	Q				V
24+55	62.2245	0.12	Q				V
25+ 0	62.2251	0.09	Q				V
25+ 5	62.2256	0.07	Q				V
25+10	62.2259	0.05	Q				V
25+15	62.2262	0.04	Q				V
25+20	62.2264	0.03	Q				V
25+25	62.2265	0.02	Q				V
25+30	62.2267	0.02	Q				V
25+35	62.2268	0.02	Q				V
25+40	62.2268	0.01	Q				V
25+45	62.2269	0.01	Q				V
25+50	62.2270	0.01	Q				V
25+55	62.2270	0.00	Q				V
26+ 0	62.2270	0.00	Q				V
26+ 5	62.2270	0.00	Q				V
26+10	62.2270	0.00	Q				V

AREAS TRIBUTARY TO CP5

(3HR, 6HR, & 24HR STORMS)

```
        U n i t   H y d r o g r a p h   A n a l y s i s

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                Study date  06/13/23 File: mesae53100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
EXISTING CONDITION
AREA 5 (5A+5B)
6/13/23
------------------------------------------------------------------------
Drainage Area =     531.45(Ac.)  =      0.830 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     531.45(Ac.)  =
0.830 Sq. Mi.
Length along longest watercourse =   12287.00(Ft.)
Length along longest watercourse measured to centroid =    5832.00(Ft.)
Length along longest watercourse =      2.327 Mi.
Length along longest watercourse measured to centroid =      1.105 Mi.
Difference in elevation =     310.00(Ft.)
Slope along watercourse =    133.2140 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.475 Hr.
Lag time =    28.48 Min.
25% of lag time =     7.12 Min.
40% of lag time =    11.39 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      531.45             0.94                  499.56

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      531.45             1.97                 1046.96

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.77 %
Adjusted average point rain =    1.965(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    34.120           51.00          0.000
    82.880           70.00          0.000
   196.800           80.00          0.000
   107.820           84.00          0.000
    22.120           69.00          0.050
     1.610           79.00          0.050
     0.140           84.00          0.050
    19.230           92.00          0.900
     0.590           94.00          0.900
     0.210           95.00          0.900
     0.380           85.00          0.750
     0.620           90.00          0.750
    20.900           75.00          0.380
     1.680           70.00          0.250
     7.700           68.00          0.200
     3.010           79.00          0.200
     3.370           84.00          0.200
    25.060           65.00          0.120
     1.700           77.00          0.120
     1.510           82.00          0.120
 Total Area Entered =    531.45(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562       0.064      0.036
70.0  70.0      0.362     0.000        0.362       0.156      0.056
80.0  80.0      0.244     0.000        0.244       0.370      0.090
84.0  84.0      0.198     0.000        0.198       0.203      0.040
69.0  69.0      0.373     0.050        0.356       0.042      0.015
79.0  79.0      0.256     0.050        0.244       0.003      0.001
84.0  84.0      0.198     0.050        0.189       0.000      0.000
92.0  92.0      0.104     0.900        0.020       0.036      0.001
94.0  94.0      0.078     0.900        0.015       0.001      0.000
95.0  95.0      0.065     0.900        0.012       0.000      0.000
85.0  85.0      0.187     0.750        0.061       0.001      0.000
90.0  90.0      0.130     0.750        0.042       0.001      0.000
75.0  75.0      0.303     0.380        0.199       0.039      0.008
70.0  70.0      0.362     0.250        0.281       0.003      0.001
68.0  68.0      0.384     0.200        0.315       0.014      0.005
79.0  79.0      0.256     0.200        0.210       0.006      0.001
84.0  84.0      0.198     0.200        0.163       0.006      0.001
65.0  65.0      0.416     0.120        0.371       0.047      0.017
77.0  77.0      0.279     0.120        0.249       0.003      0.001
82.0  82.0      0.221     0.120        0.197       0.003      0.001
                                                 Sum (F) =   0.274
Area averaged mean soil loss (F) (In/Hr) =  0.274
Minimum soil loss rate ((In/Hr)) =  0.137
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.850
```

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	17.555	1.124	6.018
2	0.167	35.110	3.017	16.159
3	0.250	52.666	4.424	23.696
4	0.333	70.221	6.396	34.255
5	0.417	87.776	9.867	52.850
6	0.500	105.331	19.424	104.037
7	0.583	122.886	14.395	77.101
8	0.667	140.442	7.448	39.893
9	0.750	157.997	5.480	29.350
10	0.833	175.552	4.283	22.940
11	0.917	193.107	3.658	19.594
12	1.000	210.662	3.101	16.607
13	1.083	228.218	2.575	13.792
14	1.167	245.773	2.247	12.036
15	1.250	263.328	1.985	10.633
16	1.333	280.883	1.682	9.007
17	1.417	298.438	1.466	7.855
18	1.500	315.993	1.288	6.898
19	1.583	333.549	1.091	5.845
20	1.667	351.104	0.879	4.710
21	1.750	368.659	0.764	4.091
22	1.833	386.214	0.659	3.531
23	1.917	403.769	0.499	2.672
24	2.000	421.325	0.297	1.592
25	2.083	438.880	0.211	1.128
26	2.167	456.435	0.208	1.116
27	2.250	473.990	0.183	0.978
28	2.333	491.545	0.176	0.940
29	2.417	509.101	0.166	0.890
30	2.500	526.656	0.113	0.608
31	2.583	544.211	0.105	0.564
32	2.667	561.766	0.113	0.606
33	2.750	579.321	0.139	0.742
34	2.833	596.877	0.140	0.752
35	2.917	614.432	0.117	0.625
36	3.000	631.987	0.071	0.382
37	3.083	649.542	0.070	0.376
38	3.167	667.097	0.054	0.287
39	3.250	684.653	0.035	0.188
40	3.333	702.208	0.048	0.258
			Sum = 100.000	Sum= 535.602

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	(0.274)	0.261	0.046
2	0.17	1.30	0.307	(0.274)	0.261	0.046
3	0.25	1.10	0.259	(0.274)	0.221	0.039
4	0.33	1.50	0.354	0.274	(0.301)	0.080
5	0.42	1.50	0.354	0.274	(0.301)	0.080
6	0.50	1.80	0.425	0.274	(0.361)	0.151
7	0.58	1.50	0.354	0.274	(0.301)	0.080
8	0.67	1.80	0.425	0.274	(0.361)	0.151
9	0.75	1.80	0.425	0.274	(0.361)	0.151
10	0.83	1.50	0.354	0.274	(0.301)	0.080
11	0.92	1.60	0.377	0.274	(0.321)	0.103
12	1.00	1.80	0.425	0.274	(0.361)	0.151
13	1.08	2.20	0.519	0.274	(0.441)	0.245
14	1.17	2.20	0.519	0.274	(0.441)	0.245
15	1.25	2.20	0.519	0.274	(0.441)	0.245
16	1.33	2.00	0.472	0.274	(0.401)	0.198
17	1.42	2.60	0.613	0.274	(0.521)	0.339
18	1.50	2.70	0.637	0.274	(0.541)	0.363
19	1.58	2.40	0.566	0.274	(0.481)	0.292
20	1.67	2.70	0.637	0.274	(0.541)	0.363
21	1.75	3.30	0.778	0.274	(0.662)	0.504
22	1.83	3.10	0.731	0.274	(0.621)	0.457
23	1.92	2.90	0.684	0.274	(0.581)	0.410
24	2.00	3.00	0.708	0.274	(0.601)	0.434
25	2.08	3.10	0.731	0.274	(0.621)	0.457
26	2.17	4.20	0.991	0.274	(0.842)	0.717
27	2.25	5.00	1.179	0.274	(1.002)	0.905
28	2.33	3.50	0.825	0.274	(0.702)	0.552
29	2.42	6.80	1.604	0.274	(1.363)	1.330
30	2.50	7.30	1.722	0.274	(1.463)	1.448
31	2.58	8.20	1.934	0.274	(1.644)	1.660
32	2.67	5.90	1.392	0.274	(1.183)	1.118
33	2.75	2.00	0.472	0.274	(0.401)	0.198
34	2.83	1.80	0.425	0.274	(0.361)	0.151
35	2.92	1.80	0.425	0.274	(0.361)	0.151
36	3.00	0.60	0.142	(0.274)	0.120	0.021

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.0

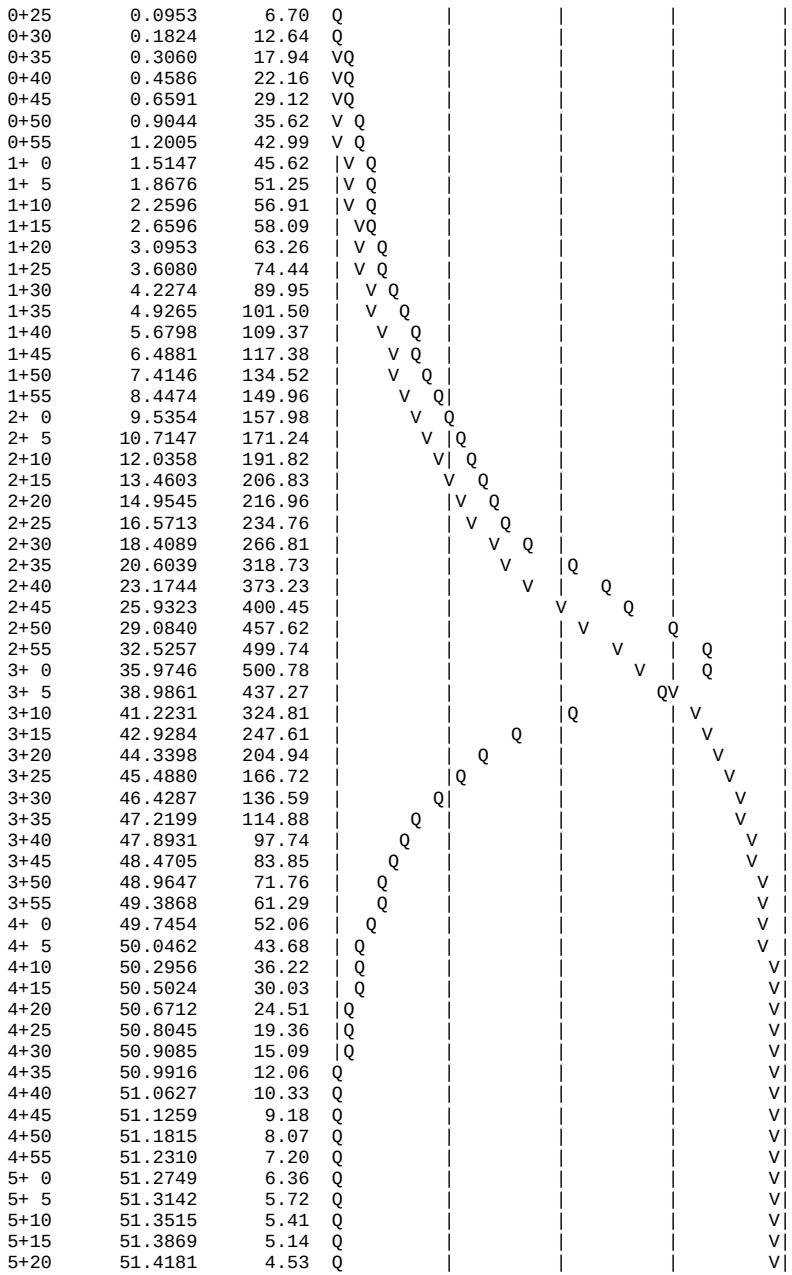
Flood volume = Effective rainfall 1.16(In)
times area 531.5(Ac.)/[(In)/(Ft.)] = 51.5(Ac.Ft)
Total soil loss = 0.80(In)
Total soil loss = 35.532(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 2243835.6 Cubic Feet
Total soil loss = 1547780.1 Cubic Feet

Peak flow rate of this hydrograph = 500.780(CFS)

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	150.0	300.0	450.0	600.0
0+ 5	0.0019	0.28	Q	|	|	|	|
0+10	0.0089	1.02	Q	|	|	|	|
0+15	0.0232	2.07	Q	|	|	|	|
0+20	0.0492	3.78	Q	|	|	|	|



0+25	0.0953	6.70	Q
0+30	0.1824	12.64	Q
0+35	0.3060	17.94	VQ
0+40	0.4586	22.16	VQ
0+45	0.6591	29.12	VQ
0+50	0.9044	35.62	V Q
0+55	1.2005	42.99	V Q
1+ 0	1.5147	45.62	|V Q
1+ 5	1.8676	51.25	|V Q
1+10	2.2596	56.91	|V Q
1+15	2.6596	58.09	| VQ
1+20	3.0953	63.26	| V Q
1+25	3.6080	74.44	| V Q
1+30	4.2274	89.95	| V Q
1+35	4.9265	101.50	| V Q
1+40	5.6798	109.37	| V Q
1+45	6.4881	117.38	| V Q
1+50	7.4146	134.52	| V Q
1+55	8.4474	149.96	| V Q|
2+ 0	9.5354	157.98	| V Q
2+ 5	10.7147	171.24	| V |Q
2+10	12.0358	191.82	| V| Q
2+15	13.4603	206.83	| V Q
2+20	14.9545	216.96	| |V Q
2+25	16.5713	234.76	| | V Q
2+30	18.4089	266.81	| | V Q
2+35	20.6039	318.73	| | V |Q
2+40	23.1744	373.23	| | V | Q
2+45	25.9323	400.45	| | V Q
2+50	29.0840	457.62	| | | V Q
2+55	32.5257	499.74	| | | V | Q
3+ 0	35.9746	500.78	| | | V | Q
3+ 5	38.9861	437.27	| | | QV
3+10	41.2231	324.81	| | |Q | V
3+15	42.9284	247.61	| | Q | | V
3+20	44.3398	204.94	| | Q | | V
3+25	45.4880	166.72	| |Q | | V
3+30	46.4287	136.59	| Q| | | V
3+35	47.2199	114.88	| Q | | | V
3+40	47.8931	97.74	| Q | | | V
3+45	48.4705	83.85	| Q | | | V
3+50	48.9647	71.76	| Q | | | V
3+55	49.3868	61.29	| Q | | | V
4+ 0	49.7454	52.06	| Q | | | V
4+ 5	50.0462	43.68	| Q | | | V
4+10	50.2956	36.22	| Q | | | V|
4+15	50.5024	30.03	| Q | | | V|
4+20	50.6712	24.51	|Q | | | V|
4+25	50.8045	19.36	|Q | | | V|
4+30	50.9085	15.09	|Q | | | V|
4+35	50.9916	12.06	Q | | | V|
4+40	51.0627	10.33	Q | | | V|
4+45	51.1259	9.18	Q | | | V|
4+50	51.1815	8.07	Q | | | V|
4+55	51.2310	7.20	Q | | | V|
5+ 0	51.2749	6.36	Q | | | V|
5+ 5	51.3142	5.72	Q | | | V|
5+10	51.3515	5.41	Q | | | V|
5+15	51.3869	5.14	Q | | | V|
5+20	51.4181	4.53	Q | | | V|
5+25	51.4442	3.78	Q | | | V|
5+30	51.4646	2.96	Q | | | V|
5+35	51.4799	2.22	Q | | | V|
5+40	51.4924	1.81	Q | | | V|
5+45	51.5010	1.25	Q | | | V|
5+50	51.5066	0.82	Q | | | V|
5+55	51.5096	0.43	Q | | | V|
6+ 0	51.5105	0.13	Q | | | V|
6+ 5	51.5110	0.07	Q | | | V|
6+10	51.5113	0.04	Q | | | V|
6+15	51.5114	0.01	Q | | | V

```
        U n i t   H y d r o g r a p h   A n a l y s i s

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                Study date  06/13/23 File: mesae56100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
EXISTING CONDITION
AREA 5 (5A+5B)
6/13/23
------------------------------------------------------------------------
Drainage Area =     531.45(Ac.)  =      0.830 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     531.45(Ac.)  =
0.830 Sq. Mi.
Length along longest watercourse =   12287.00(Ft.)
Length along longest watercourse measured to centroid =    5832.00(Ft.)
Length along longest watercourse =      2.327 Mi.
Length along longest watercourse measured to centroid =      1.105 Mi.
Difference in elevation =     310.00(Ft.)
Slope along watercourse =    133.2140 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.475 Hr.
Lag time =    28.48 Min.
25% of lag time =     7.12 Min.
40% of lag time =    11.39 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      531.45             1.35                 717.46

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      531.45             2.78                1477.43

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.82 %
Adjusted average point rain =    2.775(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    34.120           51.00          0.000
    82.880           70.00          0.000
   196.800           80.00          0.000
   107.820           84.00          0.000
    22.120           69.00          0.050
     1.610           79.00          0.050
     0.140           84.00          0.050
    19.230           92.00          0.900
     0.590           94.00          0.900
     0.210           95.00          0.900
     0.380           85.00          0.750
     0.620           90.00          0.750
    20.900           75.00          0.380
     1.680           70.00          0.250
     7.700           68.00          0.200
     3.010           79.00          0.200
     3.370           84.00          0.200
    25.060           65.00          0.120
     1.700           77.00          0.120
     1.510           82.00          0.120
 Total Area Entered =    531.45(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562       0.064      0.036
70.0  70.0      0.362     0.000        0.362       0.156      0.056
80.0  80.0      0.244     0.000        0.244       0.370      0.090
84.0  84.0      0.198     0.000        0.198       0.203      0.040
69.0  69.0      0.373     0.050        0.356       0.042      0.015
79.0  79.0      0.256     0.050        0.244       0.003      0.001
84.0  84.0      0.198     0.050        0.189       0.000      0.000
92.0  92.0      0.104     0.900        0.020       0.036      0.001
94.0  94.0      0.078     0.900        0.015       0.001      0.000
95.0  95.0      0.065     0.900        0.012       0.000      0.000
85.0  85.0      0.187     0.750        0.061       0.001      0.000
90.0  90.0      0.130     0.750        0.042       0.001      0.000
75.0  75.0      0.303     0.380        0.199       0.039      0.008
70.0  70.0      0.362     0.250        0.281       0.003      0.001
68.0  68.0      0.384     0.200        0.315       0.014      0.005
79.0  79.0      0.256     0.200        0.210       0.006      0.001
84.0  84.0      0.198     0.200        0.163       0.006      0.001
65.0  65.0      0.416     0.120        0.371       0.047      0.017
77.0  77.0      0.279     0.120        0.249       0.003      0.001
82.0  82.0      0.221     0.120        0.197       0.003      0.001
                                                 Sum (F) =   0.274
Area averaged mean soil loss (F) (In/Hr) =  0.274
Minimum soil loss rate ((In/Hr)) =  0.137
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.850
```

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

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2	0.167	35.110	3.017	16.159
3	0.250	52.666	4.424	23.696
4	0.333	70.221	6.396	34.255
5	0.417	87.776	9.867	52.850
6	0.500	105.331	19.424	104.037
7	0.583	122.886	14.395	77.101
8	0.667	140.442	7.448	39.893
9	0.750	157.997	5.480	29.350
10	0.833	175.552	4.283	22.940
11	0.917	193.107	3.658	19.594
12	1.000	210.662	3.101	16.607
13	1.083	228.218	2.575	13.792
14	1.167	245.773	2.247	12.036
15	1.250	263.328	1.985	10.633
16	1.333	280.883	1.682	9.007
17	1.417	298.438	1.466	7.855
18	1.500	315.993	1.288	6.898
19	1.583	333.549	1.091	5.845
20	1.667	351.104	0.879	4.710
21	1.750	368.659	0.764	4.091
22	1.833	386.214	0.659	3.531
23	1.917	403.769	0.499	2.672
24	2.000	421.325	0.297	1.592
25	2.083	438.880	0.211	1.128
26	2.167	456.435	0.208	1.116
27	2.250	473.990	0.183	0.978
28	2.333	491.545	0.176	0.940
29	2.417	509.101	0.166	0.890
30	2.500	526.656	0.113	0.608
31	2.583	544.211	0.105	0.564
32	2.667	561.766	0.113	0.606
33	2.750	579.321	0.139	0.742
34	2.833	596.877	0.140	0.752
35	2.917	614.432	0.117	0.625
36	3.000	631.987	0.071	0.382
37	3.083	649.542	0.070	0.376
38	3.167	667.097	0.054	0.287
39	3.250	684.653	0.035	0.188
40	3.333	702.208	0.048	0.258
			Sum = 100.000	Sum= 535.602

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.166	(0.274)	0.142	0.025
2	0.17	0.60	0.200	(0.274)	0.170	0.030
3	0.25	0.60	0.200	(0.274)	0.170	0.030
4	0.33	0.60	0.200	(0.274)	0.170	0.030
5	0.42	0.60	0.200	(0.274)	0.170	0.030
6	0.50	0.70	0.233	(0.274)	0.198	0.035
7	0.58	0.70	0.233	(0.274)	0.198	0.035
8	0.67	0.70	0.233	(0.274)	0.198	0.035
9	0.75	0.70	0.233	(0.274)	0.198	0.035
10	0.83	0.70	0.233	(0.274)	0.198	0.035
11	0.92	0.70	0.233	(0.274)	0.198	0.035
12	1.00	0.80	0.266	(0.274)	0.226	0.040
13	1.08	0.80	0.266	(0.274)	0.226	0.040
14	1.17	0.80	0.266	(0.274)	0.226	0.040
15	1.25	0.80	0.266	(0.274)	0.226	0.040
16	1.33	0.80	0.266	(0.274)	0.226	0.040
17	1.42	0.80	0.266	(0.274)	0.226	0.040
18	1.50	0.80	0.266	(0.274)	0.226	0.040
19	1.58	0.80	0.266	(0.274)	0.226	0.040
20	1.67	0.80	0.266	(0.274)	0.226	0.040
21	1.75	0.80	0.266	(0.274)	0.226	0.040
22	1.83	0.80	0.266	(0.274)	0.226	0.040
23	1.92	0.80	0.266	(0.274)	0.226	0.040
24	2.00	0.90	0.300	(0.274)	0.255	0.045
25	2.08	0.80	0.266	(0.274)	0.226	0.040
26	2.17	0.90	0.300	(0.274)	0.255	0.045
27	2.25	0.90	0.300	(0.274)	0.255	0.045
28	2.33	0.90	0.300	(0.274)	0.255	0.045
29	2.42	0.90	0.300	(0.274)	0.255	0.045
30	2.50	0.90	0.300	(0.274)	0.255	0.045
31	2.58	0.90	0.300	(0.274)	0.255	0.045
32	2.67	0.90	0.300	(0.274)	0.255	0.045
33	2.75	1.00	0.333	0.274	(0.283)	0.059
34	2.83	1.00	0.333	0.274	(0.283)	0.059
35	2.92	1.00	0.333	0.274	(0.283)	0.059
36	3.00	1.00	0.333	0.274	(0.283)	0.059
37	3.08	1.00	0.333	0.274	(0.283)	0.059
38	3.17	1.10	0.366	0.274	(0.311)	0.092
39	3.25	1.10	0.366	0.274	(0.311)	0.092
40	3.33	1.10	0.366	0.274	(0.311)	0.092
41	3.42	1.20	0.400	0.274	(0.340)	0.126
42	3.50	1.30	0.433	0.274	(0.368)	0.159
43	3.58	1.40	0.466	0.274	(0.396)	0.192
44	3.67	1.40	0.466	0.274	(0.396)	0.192
45	3.75	1.50	0.499	0.274	(0.425)	0.226
46	3.83	1.50	0.499	0.274	(0.425)	0.226
47	3.92	1.60	0.533	0.274	(0.453)	0.259
48	4.00	1.60	0.533	0.274	(0.453)	0.259
49	4.08	1.70	0.566	0.274	(0.481)	0.292
50	4.17	1.80	0.599	0.274	(0.509)	0.325
51	4.25	1.90	0.633	0.274	(0.538)	0.359
52	4.33	2.00	0.666	0.274	(0.566)	0.392
53	4.42	2.10	0.699	0.274	(0.594)	0.425
54	4.50	2.10	0.699	0.274	(0.594)	0.425
55	4.58	2.20	0.733	0.274	(0.623)	0.459
56	4.67	2.30	0.766	0.274	(0.651)	0.492
57	4.75	2.40	0.799	0.274	(0.679)	0.525
58	4.83	2.40	0.799	0.274	(0.679)	0.525
59	4.92	2.50	0.832	0.274	(0.708)	0.559
60	5.00	2.60	0.866	0.274	(0.736)	0.592
61	5.08	3.10	1.032	0.274	(0.877)	0.758

62	5.17	3.60	1.199	0.274	(1.019)	0.925	
63	5.25	3.90	1.299	0.274	(1.104)	1.025	
64	5.33	4.20	1.399	0.274	(1.189)	1.125	
65	5.42	4.70	1.565	0.274	(1.330)	1.291	
66	5.50	5.60	1.865	0.274	(1.585)	1.591	
67	5.58	1.90	0.633	0.274	(0.538)	0.359	
68	5.67	0.90	0.300	(0.274)	0.255	0.045	
69	5.75	0.60	0.200	(0.274)	0.170	0.030	
70	5.83	0.50	0.166	(0.274)	0.142	0.025	
71	5.92	0.30	0.100	(0.274)	0.085	0.015	
72	6.00	0.20	0.067	(0.274)	0.057	0.010	

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.0

Flood volume = Effective rainfall 1.33(In)
times area 531.5(Ac.)/[(In)/(Ft.)] = 59.1(Ac.Ft)
Total soil loss = 1.44(In)
Total soil loss = 63.797(Ac.Ft)
Total rainfall = 2.77(In)
Flood volume = 2574290.6 Cubic Feet
Total soil loss = 2778986.4 Cubic Feet

Ed

Peak flow rate of this hydrograph = 463.715(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	125.0	250.0	375.0	500.0
0+ 5	0.0010	0.15	Q				
0+10	0.0051	0.58	Q				
0+15	0.0137	1.26	Q				
0+20	0.0291	2.23	Q				
0+25	0.0547	3.72	Q				
0+30	0.1003	6.62	Q				
0+35	0.1633	9.14	Q				
0+40	0.2366	10.64	Q				
0+45	0.3175	11.75	Q				
0+50	0.4052	12.73	VQ				
0+55	0.5006	13.86	VQ				
1+ 0	0.6024	14.79	VQ				
1+ 5	0.7091	15.49	VQ				
1+10	0.8202	16.13	VQ				
1+15	0.9355	16.74	VQ				
1+20	1.0552	17.38	VQ				
1+25	1.1807	18.22	VQ				
1+30	1.3108	18.89	VQ				
1+35	1.4439	19.33	VQ				
1+40	1.5794	19.68	|Q				
1+45	1.7169	19.96	|Q				
1+50	1.8561	20.21	|Q				
1+55	1.9966	20.41	|Q				
2+ 0	2.1384	20.59	|Q				
2+ 5	2.2814	20.76	|Q				
2+10	2.4256	20.94	|Q				
2+15	2.5714	21.16	|Q				
2+20	2.7191	21.45	|Q				
2+25	2.8703	21.95	|Q				
2+30	3.0227	22.13	|QV				
2+35	3.1778	22.52	|QV				
2+40	3.3355	22.89	|QV				
2+45	3.4951	23.19	|QV				
2+50	3.6576	23.59	|QV				
2+55	3.8232	24.05	|QV				
3+ 0	3.9929	24.64	|QV				
3+ 5	4.1684	25.48	| Q				
3+10	4.3559	27.23	| Q				
3+15	4.5551	28.92	| QV				
3+20	4.7640	30.34	| QV				
3+25	4.9854	32.14	| QV				
3+30	5.2264	35.00	| QV				
3+35	5.5040	40.31	| Q				
3+40	5.8181	45.61	| Q				
3+45	6.1697	51.05	| Q				
3+50	6.5769	59.12	| Q				
3+55	7.0510	68.84	| VQ				
4+ 0	7.5928	78.67	| VQ				
4+ 5	8.1918	86.97	| VQ				
4+10	8.8526	95.95	| V Q				
4+15	9.5737	104.70	| V Q				
4+20	10.3626	114.56	| V Q|				
4+25	11.2205	124.56	| V Q|				
4+30	12.1577	136.08	| V Q				
4+35	13.1847	149.12	| V |Q				
4+40	14.3054	162.72	| V| Q				
4+45	15.5213	176.56	| V Q				
4+50	16.8301	190.03	| |V Q				
4+55	18.2203	201.85	| | V Q				
5+ 0	19.6984	214.62	| | V Q				
5+ 5	21.2778	229.33	| | V Q				
5+10	22.9729	246.14	| | V Q|				
5+15	24.7940	264.42	| | V |Q				
5+20	26.7730	287.34	| | V | Q				
5+25	28.9603	317.60	| | V| Q				
5+30	31.4526	361.88	| | |V Q				
5+35	34.2612	407.81	| | | V | Q				
5+40	37.2817	438.58	| | | V | Q				
5+45	40.4275	456.77	| | | V | Q				
5+50	43.6212	463.71	| | | V| Q				
5+55	46.7076	448.15	| | | |V Q				
6+ 0	49.0896	345.87	| | | Q | V				
6+ 5	50.7769	245.00	| | Q| | V				
6+10	52.0952	191.42	| | Q | | V				
6+15	53.1867	158.48	| Q | | V				
6+20	54.1099	134.05	| Q | | V				
6+25	54.8925	113.63	| Q| | | V				
6+30	55.5542	96.09	| Q | | | V				
6+35	56.1195	82.07	| Q | | | V				
6+40	56.6034	70.27	| Q | | | V				
6+45	57.0147	59.71	| Q | | | V				
6+50	57.3642	50.74	| Q | | | V				
6+55	57.6594	42.86	| Q | | | V				
7+ 0	57.9048	35.64	| Q | | | V				
7+ 5	58.1060	29.21	| Q | | | V				
7+10	58.2712	23.99	|Q | | | V				
7+15	58.4049	19.42	|Q | | | V				

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   7+20      58.5101     15.27  |Q        |         |         |        V|
   7+25      58.5923     11.94  Q         |         |         |        V|
   7+30      58.6612     10.00  Q         |         |         |        V|
   7+35      58.7226      8.91  Q         |         |         |        V|
   7+40      58.7772      7.93  Q         |         |         |        V|
   7+45      58.8262      7.11  Q         |         |         |        V|
   7+50      58.8700      6.35  Q         |         |         |        V|
   7+55      58.9084      5.57  Q         |         |         |        V|
   8+ 0      58.9436      5.11  Q         |         |         |        V|
   8+ 5      58.9764      4.77  Q         |         |         |        V|
   8+10      59.0066      4.38  Q         |         |         |        V|
   8+15      59.0322      3.73  Q         |         |         |        V|
   8+20      59.0524      2.93  Q         |         |         |        V|
   8+25      59.0673      2.16  Q         |         |         |        V|
   8+30      59.0788      1.67  Q         |         |         |        V|
   8+35      59.0870      1.20  Q         |         |         |        V|
   8+40      59.0925      0.80  Q         |         |         |        V|
   8+45      59.0962      0.53  Q         |         |         |        V|
   8+50      59.0971      0.13  Q         |         |         |        V|
   8+55      59.0973      0.03  Q         |         |         |        V|
   9+ 0      59.0974      0.02  Q         |         |         |        V|
   9+ 5      59.0975      0.01  Q         |         |         |        V|
   9+10      59.0976      0.01  Q         |         |         |        V|
   9+15      59.0976      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
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        U n i t   H y d r o g r a p h   A n a l y s i s

        Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                Study date  06/13/23 File: mesae524100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
EXISTING CONDITION
AREA 5 (5A+5B)
6/13/23
------------------------------------------------------------------------
Drainage Area =     531.45(Ac.)  =      0.830 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     531.45(Ac.)  =
0.830 Sq. Mi.
Length along longest watercourse =   12287.00(Ft.)
Length along longest watercourse measured to centroid =    5832.00(Ft.)
Length along longest watercourse =      2.327 Mi.
Length along longest watercourse measured to centroid =      1.105 Mi.
Difference in elevation =     310.00(Ft.)
Slope along watercourse =    133.2140 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.475 Hr.
Lag time =    28.48 Min.
25% of lag time =     7.12 Min.
40% of lag time =    11.39 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      531.45              2.45                 1302.05

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      531.45              6.08                 3231.22

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.90 %
Adjusted average point rain =    6.074(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    34.120           51.00          0.000
    82.880           70.00          0.000
   196.800           80.00          0.000
   107.820           84.00          0.000
    22.120           69.00          0.050
     1.610           79.00          0.050
     0.140           84.00          0.050
    19.230           92.00          0.900
     0.590           94.00          0.900
     0.210           95.00          0.900
     0.380           85.00          0.750
     0.620           90.00          0.750
    20.900           75.00          0.380
     1.680           70.00          0.250
     7.700           68.00          0.200
     3.010           79.00          0.200
     3.370           84.00          0.200
    25.060           65.00          0.120
     1.700           77.00          0.120
     1.510           82.00          0.120
 Total Area Entered =    531.45(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562       0.064      0.036
70.0  70.0      0.362     0.000        0.362       0.156      0.056
80.0  80.0      0.244     0.000        0.244       0.370      0.090
84.0  84.0      0.198     0.000        0.198       0.203      0.040
69.0  69.0      0.373     0.050        0.356       0.042      0.015
79.0  79.0      0.256     0.050        0.244       0.003      0.001
84.0  84.0      0.198     0.050        0.189       0.000      0.000
92.0  92.0      0.104     0.900        0.020       0.036      0.001
94.0  94.0      0.078     0.900        0.015       0.001      0.000
95.0  95.0      0.065     0.900        0.012       0.000      0.000
85.0  85.0      0.187     0.750        0.061       0.001      0.000
90.0  90.0      0.130     0.750        0.042       0.001      0.000
75.0  75.0      0.303     0.380        0.199       0.039      0.008
70.0  70.0      0.362     0.250        0.281       0.003      0.001
68.0  68.0      0.384     0.200        0.315       0.014      0.005
79.0  79.0      0.256     0.200        0.210       0.006      0.001
84.0  84.0      0.198     0.200        0.163       0.006      0.001
65.0  65.0      0.416     0.120        0.371       0.047      0.017
77.0  77.0      0.279     0.120        0.249       0.003      0.001
82.0  82.0      0.221     0.120        0.197       0.003      0.001
                                                 Sum (F) =   0.274
Area averaged mean soil loss (F) (In/Hr) =  0.274
Minimum soil loss rate ((In/Hr)) =  0.137
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.850
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U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	17.555	1.124	6.018
2	0.167	35.110	3.017	16.159
3	0.250	52.666	4.424	23.696
4	0.333	70.221	6.396	34.255
5	0.417	87.776	9.867	52.850
6	0.500	105.331	19.424	104.037
7	0.583	122.886	14.395	77.101
8	0.667	140.442	7.448	39.893
9	0.750	157.997	5.480	29.350
10	0.833	175.552	4.283	22.940
11	0.917	193.107	3.658	19.594
12	1.000	210.662	3.101	16.607
13	1.083	228.218	2.575	13.792
14	1.167	245.773	2.247	12.036
15	1.250	263.328	1.985	10.633
16	1.333	280.883	1.682	9.007
17	1.417	298.438	1.466	7.855
18	1.500	315.993	1.288	6.898
19	1.583	333.549	1.091	5.845
20	1.667	351.104	0.879	4.710
21	1.750	368.659	0.764	4.091
22	1.833	386.214	0.659	3.531
23	1.917	403.769	0.499	2.672
24	2.000	421.325	0.297	1.592
25	2.083	438.880	0.211	1.128
26	2.167	456.435	0.208	1.116
27	2.250	473.990	0.183	0.978
28	2.333	491.545	0.176	0.940
29	2.417	509.101	0.166	0.890
30	2.500	526.656	0.113	0.608
31	2.583	544.211	0.105	0.564
32	2.667	561.766	0.113	0.606
33	2.750	579.321	0.139	0.742
34	2.833	596.877	0.140	0.752
35	2.917	614.432	0.117	0.625
36	3.000	631.987	0.071	0.382
37	3.083	649.542	0.070	0.376
38	3.167	667.097	0.054	0.287
39	3.250	684.653	0.035	0.188
40	3.333	702.208	0.048	0.258
			Sum = 100.000	Sum= 535.602

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.486)	0.041	0.007
2	0.17	0.07	0.049	(0.484)	0.041	0.007
3	0.25	0.07	0.049	(0.482)	0.041	0.007
4	0.33	0.10	0.073	(0.480)	0.062	0.011
5	0.42	0.10	0.073	(0.478)	0.062	0.011
6	0.50	0.10	0.073	(0.476)	0.062	0.011
7	0.58	0.10	0.073	(0.474)	0.062	0.011
8	0.67	0.10	0.073	(0.473)	0.062	0.011
9	0.75	0.10	0.073	(0.471)	0.062	0.011
10	0.83	0.13	0.097	(0.469)	0.083	0.015
11	0.92	0.13	0.097	(0.467)	0.083	0.015
12	1.00	0.13	0.097	(0.465)	0.083	0.015
13	1.08	0.10	0.073	(0.463)	0.062	0.011
14	1.17	0.10	0.073	(0.461)	0.062	0.011
15	1.25	0.10	0.073	(0.460)	0.062	0.011
16	1.33	0.10	0.073	(0.458)	0.062	0.011
17	1.42	0.10	0.073	(0.456)	0.062	0.011
18	1.50	0.10	0.073	(0.454)	0.062	0.011
19	1.58	0.10	0.073	(0.452)	0.062	0.011
20	1.67	0.10	0.073	(0.451)	0.062	0.011
21	1.75	0.10	0.073	(0.449)	0.062	0.011
22	1.83	0.13	0.097	(0.447)	0.083	0.015
23	1.92	0.13	0.097	(0.445)	0.083	0.015
24	2.00	0.13	0.097	(0.443)	0.083	0.015
25	2.08	0.13	0.097	(0.442)	0.083	0.015
26	2.17	0.13	0.097	(0.440)	0.083	0.015
27	2.25	0.13	0.097	(0.438)	0.083	0.015
28	2.33	0.13	0.097	(0.436)	0.083	0.015
29	2.42	0.13	0.097	(0.434)	0.083	0.015
30	2.50	0.13	0.097	(0.433)	0.083	0.015
31	2.58	0.17	0.121	(0.431)	0.103	0.018
32	2.67	0.17	0.121	(0.429)	0.103	0.018
33	2.75	0.17	0.121	(0.427)	0.103	0.018
34	2.83	0.17	0.121	(0.426)	0.103	0.018
35	2.92	0.17	0.121	(0.424)	0.103	0.018
36	3.00	0.17	0.121	(0.422)	0.103	0.018
37	3.08	0.17	0.121	(0.420)	0.103	0.018
38	3.17	0.17	0.121	(0.419)	0.103	0.018
39	3.25	0.17	0.121	(0.417)	0.103	0.018
40	3.33	0.17	0.121	(0.415)	0.103	0.018
41	3.42	0.17	0.121	(0.413)	0.103	0.018
42	3.50	0.17	0.121	(0.412)	0.103	0.018
43	3.58	0.17	0.121	(0.410)	0.103	0.018
44	3.67	0.17	0.121	(0.408)	0.103	0.018
45	3.75	0.17	0.121	(0.406)	0.103	0.018
46	3.83	0.20	0.146	(0.405)	0.124	0.022
47	3.92	0.20	0.146	(0.403)	0.124	0.022
48	4.00	0.20	0.146	(0.401)	0.124	0.022
49	4.08	0.20	0.146	(0.400)	0.124	0.022
50	4.17	0.20	0.146	(0.398)	0.124	0.022
51	4.25	0.20	0.146	(0.396)	0.124	0.022
52	4.33	0.23	0.170	(0.395)	0.145	0.026
53	4.42	0.23	0.170	(0.393)	0.145	0.026
54	4.50	0.23	0.170	(0.391)	0.145	0.026
55	4.58	0.23	0.170	(0.389)	0.145	0.026
56	4.67	0.23	0.170	(0.388)	0.145	0.026
57	4.75	0.23	0.170	(0.386)	0.145	0.026
58	4.83	0.27	0.194	(0.384)	0.165	0.029
59	4.92	0.27	0.194	(0.383)	0.165	0.029
60	5.00	0.27	0.194	(0.381)	0.165	0.029
61	5.08	0.20	0.146	(0.380)	0.124	0.022

62	5.17	0.20	0.146	(0.378)	0.124	0.022
63	5.25	0.20	0.146	(0.376)	0.124	0.022
64	5.33	0.23	0.170	(0.375)	0.145	0.026
65	5.42	0.23	0.170	(0.373)	0.145	0.026
66	5.50	0.23	0.170	(0.371)	0.145	0.026
67	5.58	0.27	0.194	(0.370)	0.165	0.029
68	5.67	0.27	0.194	(0.368)	0.165	0.029
69	5.75	0.27	0.194	(0.366)	0.165	0.029
70	5.83	0.27	0.194	(0.365)	0.165	0.029
71	5.92	0.27	0.194	(0.363)	0.165	0.029
72	6.00	0.27	0.194	(0.362)	0.165	0.029
73	6.08	0.30	0.219	(0.360)	0.186	0.033
74	6.17	0.30	0.219	(0.358)	0.186	0.033
75	6.25	0.30	0.219	(0.357)	0.186	0.033
76	6.33	0.30	0.219	(0.355)	0.186	0.033
77	6.42	0.30	0.219	(0.354)	0.186	0.033
78	6.50	0.30	0.219	(0.352)	0.186	0.033
79	6.58	0.33	0.243	(0.350)	0.207	0.036
80	6.67	0.33	0.243	(0.349)	0.207	0.036
81	6.75	0.33	0.243	(0.347)	0.207	0.036
82	6.83	0.33	0.243	(0.346)	0.207	0.036
83	6.92	0.33	0.243	(0.344)	0.207	0.036
84	7.00	0.33	0.243	(0.343)	0.207	0.036
85	7.08	0.33	0.243	(0.341)	0.207	0.036
86	7.17	0.33	0.243	(0.339)	0.207	0.036
87	7.25	0.33	0.243	(0.338)	0.207	0.036
88	7.33	0.37	0.267	(0.336)	0.227	0.040
89	7.42	0.37	0.267	(0.335)	0.227	0.040
90	7.50	0.37	0.267	(0.333)	0.227	0.040
91	7.58	0.40	0.292	(0.332)	0.248	0.044
92	7.67	0.40	0.292	(0.330)	0.248	0.044
93	7.75	0.40	0.292	(0.329)	0.248	0.044
94	7.83	0.43	0.316	(0.327)	0.268	0.047
95	7.92	0.43	0.316	(0.326)	0.268	0.047
96	8.00	0.43	0.316	(0.324)	0.268	0.047
97	8.08	0.50	0.364	(0.323)	0.310	0.055
98	8.17	0.50	0.364	(0.321)	0.310	0.055
99	8.25	0.50	0.364	(0.320)	0.310	0.055
100	8.33	0.50	0.364	(0.318)	0.310	0.055
101	8.42	0.50	0.364	(0.317)	0.310	0.055
102	8.50	0.50	0.364	(0.315)	0.310	0.055
103	8.58	0.53	0.389	0.314	(0.330)	0.075
104	8.67	0.53	0.389	0.312	(0.330)	0.076
105	8.75	0.53	0.389	0.311	(0.330)	0.078
106	8.83	0.57	0.413	0.309	(0.351)	0.104
107	8.92	0.57	0.413	0.308	(0.351)	0.105
108	9.00	0.57	0.413	0.306	(0.351)	0.107
109	9.08	0.63	0.462	0.305	(0.392)	0.157
110	9.17	0.63	0.462	0.304	(0.392)	0.158
111	9.25	0.63	0.462	0.302	(0.392)	0.160
112	9.33	0.67	0.486	0.301	(0.413)	0.185
113	9.42	0.67	0.486	0.299	(0.413)	0.187
114	9.50	0.67	0.486	0.298	(0.413)	0.188
115	9.58	0.70	0.510	0.296	(0.434)	0.214
116	9.67	0.70	0.510	0.295	(0.434)	0.215
117	9.75	0.70	0.510	0.293	(0.434)	0.217
118	9.83	0.73	0.534	0.292	(0.454)	0.242
119	9.92	0.73	0.534	0.291	(0.454)	0.244
120	10.00	0.73	0.534	0.289	(0.454)	0.245
121	10.08	0.50	0.364	0.288	(0.310)	0.077
122	10.17	0.50	0.364	0.286	(0.310)	0.078
123	10.25	0.50	0.364	0.285	(0.310)	0.079
124	10.33	0.50	0.364	0.284	(0.310)	0.081
125	10.42	0.50	0.364	0.282	(0.310)	0.082
126	10.50	0.50	0.364	0.281	(0.310)	0.083
127	10.58	0.67	0.486	0.280	(0.413)	0.206
128	10.67	0.67	0.486	0.278	(0.413)	0.208
129	10.75	0.67	0.486	0.277	(0.413)	0.209
130	10.83	0.67	0.486	0.275	(0.413)	0.210
131	10.92	0.67	0.486	0.274	(0.413)	0.212
132	11.00	0.67	0.486	0.273	(0.413)	0.213
133	11.08	0.63	0.462	0.271	(0.392)	0.190
134	11.17	0.63	0.462	0.270	(0.392)	0.191
135	11.25	0.63	0.462	0.269	(0.392)	0.193
136	11.33	0.63	0.462	0.267	(0.392)	0.194
137	11.42	0.63	0.462	0.266	(0.392)	0.195
138	11.50	0.63	0.462	0.265	(0.392)	0.197
139	11.58	0.57	0.413	0.263	(0.351)	0.150
140	11.67	0.57	0.413	0.262	(0.351)	0.151
141	11.75	0.57	0.413	0.261	(0.351)	0.152
142	11.83	0.60	0.437	0.260	(0.372)	0.178
143	11.92	0.60	0.437	0.258	(0.372)	0.179
144	12.00	0.60	0.437	0.257	(0.372)	0.180
145	12.08	0.83	0.607	0.256	(0.516)	0.352
146	12.17	0.83	0.607	0.254	(0.516)	0.353
147	12.25	0.83	0.607	0.253	(0.516)	0.354
148	12.33	0.87	0.632	0.252	(0.537)	0.380
149	12.42	0.87	0.632	0.251	(0.537)	0.381
150	12.50	0.87	0.632	0.249	(0.537)	0.382
151	12.58	0.93	0.680	0.248	(0.578)	0.432
152	12.67	0.93	0.680	0.247	(0.578)	0.433
153	12.75	0.93	0.680	0.246	(0.578)	0.435
154	12.83	0.97	0.705	0.244	(0.599)	0.460
155	12.92	0.97	0.705	0.243	(0.599)	0.461
156	13.00	0.97	0.705	0.242	(0.599)	0.463
157	13.08	1.13	0.826	0.241	(0.702)	0.585
158	13.17	1.13	0.826	0.239	(0.702)	0.587
159	13.25	1.13	0.826	0.238	(0.702)	0.588
160	13.33	1.13	0.826	0.237	(0.702)	0.589
161	13.42	1.13	0.826	0.236	(0.702)	0.590
162	13.50	1.13	0.826	0.235	(0.702)	0.591
163	13.58	0.77	0.559	0.233	(0.475)	0.325
164	13.67	0.77	0.559	0.232	(0.475)	0.327
165	13.75	0.77	0.559	0.231	(0.475)	0.328
166	13.83	0.77	0.559	0.230	(0.475)	0.329
167	13.92	0.77	0.559	0.229	(0.475)	0.330
168	14.00	0.77	0.559	0.228	(0.475)	0.331
169	14.08	0.90	0.656	0.226	(0.558)	0.430
170	14.17	0.90	0.656	0.225	(0.558)	0.431
171	14.25	0.90	0.656	0.224	(0.558)	0.432
172	14.33	0.87	0.632	0.223	(0.537)	0.409
173	14.42	0.87	0.632	0.222	(0.537)	0.410
174	14.50	0.87	0.632	0.221	(0.537)	0.411
175	14.58	0.87	0.632	0.220	(0.537)	0.412
176	14.67	0.87	0.632	0.218	(0.537)	0.413
177	14.75	0.87	0.632	0.217	(0.537)	0.414
178	14.83	0.83	0.607	0.216	(0.516)	0.391
179	14.92	0.83	0.607	0.215	(0.516)	0.392
180	15.00	0.83	0.607	0.214	(0.516)	0.393
181	15.08	0.80	0.583	0.213	(0.496)	0.370

182	15.17	0.80	0.583	0.212	(0.496)	0.371
183	15.25	0.80	0.583	0.211	(0.496)	0.372
184	15.33	0.77	0.559	0.210	(0.475)	0.349
185	15.42	0.77	0.559	0.209	(0.475)	0.350
186	15.50	0.77	0.559	0.207	(0.475)	0.351
187	15.58	0.63	0.462	0.206	(0.392)	0.255
188	15.67	0.63	0.462	0.205	(0.392)	0.256
189	15.75	0.63	0.462	0.204	(0.392)	0.257
190	15.83	0.63	0.462	0.203	(0.392)	0.258
191	15.92	0.63	0.462	0.202	(0.392)	0.259
192	16.00	0.63	0.462	0.201	(0.392)	0.260
193	16.08	0.13	0.097	(0.200)	0.083	0.015
194	16.17	0.13	0.097	(0.199)	0.083	0.015
195	16.25	0.13	0.097	(0.198)	0.083	0.015
196	16.33	0.13	0.097	(0.197)	0.083	0.015
197	16.42	0.13	0.097	(0.196)	0.083	0.015
198	16.50	0.13	0.097	(0.195)	0.083	0.015
199	16.58	0.10	0.073	(0.194)	0.062	0.011
200	16.67	0.10	0.073	(0.193)	0.062	0.011
201	16.75	0.10	0.073	(0.192)	0.062	0.011
202	16.83	0.10	0.073	(0.191)	0.062	0.011
203	16.92	0.10	0.073	(0.190)	0.062	0.011
204	17.00	0.10	0.073	(0.189)	0.062	0.011
205	17.08	0.17	0.121	(0.188)	0.103	0.018
206	17.17	0.17	0.121	(0.187)	0.103	0.018
207	17.25	0.17	0.121	(0.186)	0.103	0.018
208	17.33	0.17	0.121	(0.185)	0.103	0.018
209	17.42	0.17	0.121	(0.185)	0.103	0.018
210	17.50	0.17	0.121	(0.184)	0.103	0.018
211	17.58	0.17	0.121	(0.183)	0.103	0.018
212	17.67	0.17	0.121	(0.182)	0.103	0.018
213	17.75	0.17	0.121	(0.181)	0.103	0.018
214	17.83	0.13	0.097	(0.180)	0.083	0.015
215	17.92	0.13	0.097	(0.179)	0.083	0.015
216	18.00	0.13	0.097	(0.178)	0.083	0.015
217	18.08	0.13	0.097	(0.177)	0.083	0.015
218	18.17	0.13	0.097	(0.176)	0.083	0.015
219	18.25	0.13	0.097	(0.176)	0.083	0.015
220	18.33	0.13	0.097	(0.175)	0.083	0.015
221	18.42	0.13	0.097	(0.174)	0.083	0.015
222	18.50	0.13	0.097	(0.173)	0.083	0.015
223	18.58	0.10	0.073	(0.172)	0.062	0.011
224	18.67	0.10	0.073	(0.171)	0.062	0.011
225	18.75	0.10	0.073	(0.171)	0.062	0.011
226	18.83	0.07	0.049	(0.170)	0.041	0.007
227	18.92	0.07	0.049	(0.169)	0.041	0.007
228	19.00	0.07	0.049	(0.168)	0.041	0.007
229	19.08	0.10	0.073	(0.167)	0.062	0.011
230	19.17	0.10	0.073	(0.167)	0.062	0.011
231	19.25	0.10	0.073	(0.166)	0.062	0.011
232	19.33	0.13	0.097	(0.165)	0.083	0.015
233	19.42	0.13	0.097	(0.164)	0.083	0.015
234	19.50	0.13	0.097	(0.163)	0.083	0.015
235	19.58	0.10	0.073	(0.163)	0.062	0.011
236	19.67	0.10	0.073	(0.162)	0.062	0.011
237	19.75	0.10	0.073	(0.161)	0.062	0.011
238	19.83	0.07	0.049	(0.160)	0.041	0.007
239	19.92	0.07	0.049	(0.160)	0.041	0.007
240	20.00	0.07	0.049	(0.159)	0.041	0.007
241	20.08	0.10	0.073	(0.158)	0.062	0.011
242	20.17	0.10	0.073	(0.158)	0.062	0.011
243	20.25	0.10	0.073	(0.157)	0.062	0.011
244	20.33	0.10	0.073	(0.156)	0.062	0.011
245	20.42	0.10	0.073	(0.156)	0.062	0.011
246	20.50	0.10	0.073	(0.155)	0.062	0.011
247	20.58	0.10	0.073	(0.154)	0.062	0.011
248	20.67	0.10	0.073	(0.154)	0.062	0.011
249	20.75	0.10	0.073	(0.153)	0.062	0.011
250	20.83	0.07	0.049	(0.152)	0.041	0.007
251	20.92	0.07	0.049	(0.152)	0.041	0.007
252	21.00	0.07	0.049	(0.151)	0.041	0.007
253	21.08	0.10	0.073	(0.151)	0.062	0.011
254	21.17	0.10	0.073	(0.150)	0.062	0.011
255	21.25	0.10	0.073	(0.149)	0.062	0.011
256	21.33	0.07	0.049	(0.149)	0.041	0.007
257	21.42	0.07	0.049	(0.148)	0.041	0.007
258	21.50	0.07	0.049	(0.148)	0.041	0.007
259	21.58	0.10	0.073	(0.147)	0.062	0.011
260	21.67	0.10	0.073	(0.147)	0.062	0.011
261	21.75	0.10	0.073	(0.146)	0.062	0.011
262	21.83	0.07	0.049	(0.146)	0.041	0.007
263	21.92	0.07	0.049	(0.145)	0.041	0.007
264	22.00	0.07	0.049	(0.145)	0.041	0.007
265	22.08	0.10	0.073	(0.144)	0.062	0.011
266	22.17	0.10	0.073	(0.144)	0.062	0.011
267	22.25	0.10	0.073	(0.143)	0.062	0.011
268	22.33	0.07	0.049	(0.143)	0.041	0.007
269	22.42	0.07	0.049	(0.142)	0.041	0.007
270	22.50	0.07	0.049	(0.142)	0.041	0.007
271	22.58	0.07	0.049	(0.142)	0.041	0.007
272	22.67	0.07	0.049	(0.141)	0.041	0.007
273	22.75	0.07	0.049	(0.141)	0.041	0.007
274	22.83	0.07	0.049	(0.140)	0.041	0.007
275	22.92	0.07	0.049	(0.140)	0.041	0.007
276	23.00	0.07	0.049	(0.140)	0.041	0.007
277	23.08	0.07	0.049	(0.139)	0.041	0.007
278	23.17	0.07	0.049	(0.139)	0.041	0.007
279	23.25	0.07	0.049	(0.139)	0.041	0.007
280	23.33	0.07	0.049	(0.138)	0.041	0.007
281	23.42	0.07	0.049	(0.138)	0.041	0.007
282	23.50	0.07	0.049	(0.138)	0.041	0.007
283	23.58	0.07	0.049	(0.138)	0.041	0.007
284	23.67	0.07	0.049	(0.138)	0.041	0.007
285	23.75	0.07	0.049	(0.137)	0.041	0.007
286	23.83	0.07	0.049	(0.137)	0.041	0.007
287	23.92	0.07	0.049	(0.137)	0.041	0.007
288	24.00	0.07	0.049	(0.137)	0.041	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 29.5

Flood volume = Effective rainfall 2.46(In)
times area 531.5(Ac.)/[(In)/(Ft.)] = 108.9(Ac.Ft)
Total soil loss = 3.62(In)
Total soil loss = 160.111(Ac.Ft)
Total rainfall = 6.07(In)
Flood volume = 4742708.4 Cubic Feet
Total soil loss = 6974430.8 Cubic Feet

Peak flow rate of this hydrograph = 274.689(CFS)

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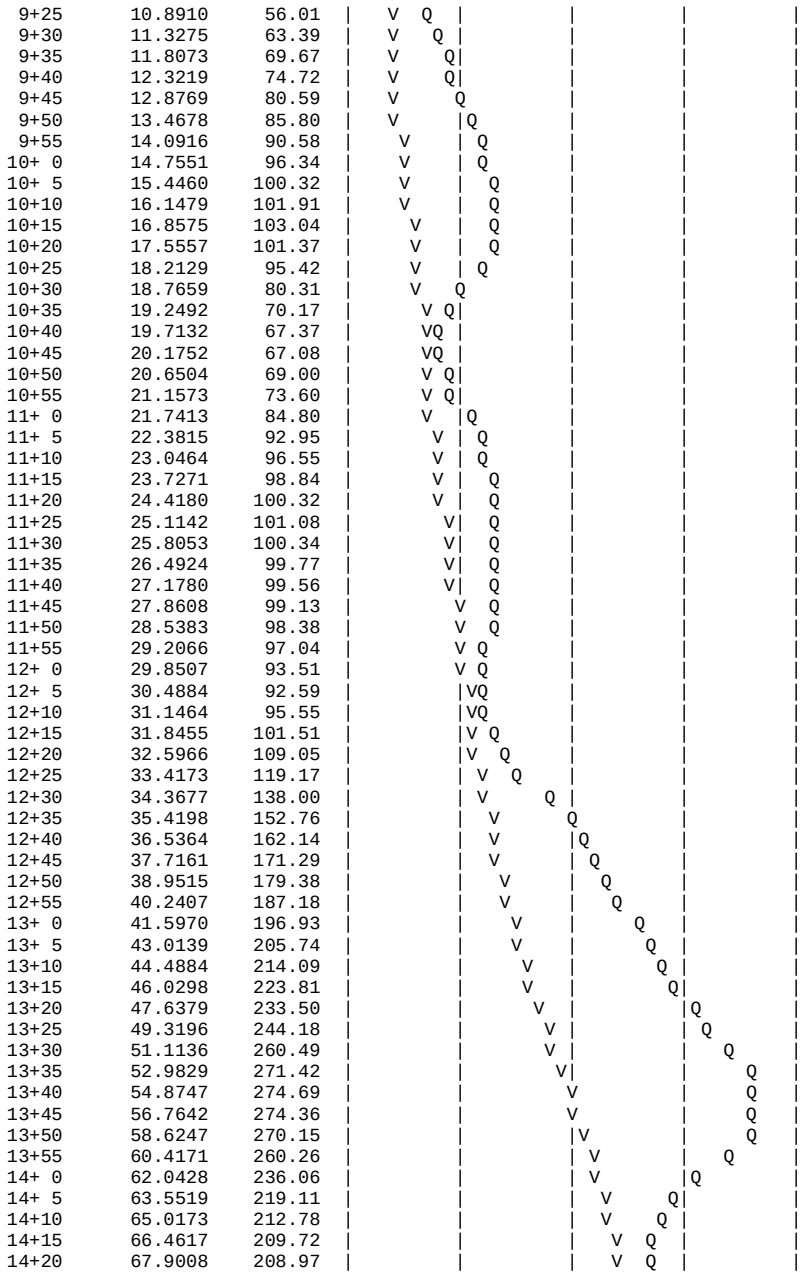
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	75.0	150.0	225.0	300.0
0+ 5	0.0003	0.04	Q				
0+10	0.0014	0.16	Q				
0+15	0.0037	0.33	Q				
0+20	0.0079	0.61	Q				
0+25	0.0151	1.05	Q				
0+30	0.0282	1.90	Q				
0+35	0.0460	2.58	Q				
0+40	0.0671	3.07	Q				
0+45	0.0923	3.66	Q				
0+50	0.1207	4.13	Q				
0+55	0.1516	4.48	Q				
1+ 0	0.1846	4.79	Q				
1+ 5	0.2196	5.08	Q				
1+10	0.2566	5.37	Q				
1+15	0.2965	5.80	Q				
1+20	0.3384	6.08	Q				
1+25	0.3806	6.13	Q				
1+30	0.4215	5.95	Q				
1+35	0.4616	5.82	Q				
1+40	0.5017	5.81	Q				
1+45	0.5418	5.82	Q				
1+50	0.5821	5.86	Q				
1+55	0.6229	5.92	Q				
2+ 0	0.6643	6.02	Q				
2+ 5	0.7066	6.14	Q				
2+10	0.7503	6.34	Q				
2+15	0.7966	6.72	Q				
2+20	0.8448	7.00	Q				
2+25	0.8940	7.14	Q				
2+30	0.9439	7.25	Q				
2+35	0.9946	7.35	Q				
2+40	1.0461	7.48	Q				
2+45	1.0986	7.63	VQ				
2+50	1.1524	7.80	VQ				
2+55	1.2078	8.04	VQ				
3+ 0	1.2660	8.46	VQ				
3+ 5	1.3265	8.78	VQ				
3+10	1.3882	8.96	VQ				
3+15	1.4508	9.09	VQ				
3+20	1.5142	9.20	VQ				
3+25	1.5781	9.29	VQ				
3+30	1.6426	9.36	VQ				
3+35	1.7076	9.43	VQ				
3+40	1.7729	9.48	VQ				
3+45	1.8385	9.53	VQ				
3+50	1.9045	9.58	VQ				
3+55	1.9711	9.67	VQ				
4+ 0	2.0385	9.79	VQ				
4+ 5	2.1070	9.94	VQ				
4+10	2.1769	10.15	VQ				
4+15	2.2495	10.55	VQ				
4+20	2.3243	10.86	VQ				
4+25	2.4006	11.08	VQ				
4+30	2.4783	11.28	VQ				
4+35	2.5575	11.50	VQ				
4+40	2.6385	11.77	VQ				
4+45	2.7226	12.21	Q				
4+50	2.8092	12.57	Q				
4+55	2.8975	12.82	Q				
5+ 0	2.9874	13.06	Q				
5+ 5	3.0787	13.26	Q				
5+10	3.1713	13.43	Q				
5+15	3.2658	13.73	Q				
5+20	3.3613	13.86	Q				
5+25	3.4559	13.74	Q				
5+30	3.5470	13.23	Q				
5+35	3.6361	12.94	Q				
5+40	3.7258	13.02	Q				
5+45	3.8178	13.36	Q				
5+50	3.9120	13.68	Q				
5+55	4.0080	13.94	Q				
6+ 0	4.1069	14.36	Q				
6+ 5	4.2081	14.69	Q				
6+10	4.3108	14.92	Q				
6+15	4.4151	15.13	VQ				
6+20	4.5208	15.35	VQ				
6+25	4.6284	15.63	VQ				
6+30	4.7392	16.08	VQ				
6+35	4.8524	16.44	VQ				
6+40	4.9674	16.70	VQ				
6+45	5.0840	16.93	VQ				
6+50	5.2023	17.18	VQ				
6+55	5.3227	17.48	VQ				
7+ 0	5.4463	17.95	Q				
7+ 5	5.5725	18.32	Q				
7+10	5.7001	18.53	Q				
7+15	5.8289	18.69	Q				
7+20	5.9586	18.85	Q				
7+25	6.0896	19.02	Q				
7+30	6.2218	19.20	Q				
7+35	6.3556	19.42	Q				
7+40	6.4915	19.74	Q				
7+45	6.6310	20.26	Q				
7+50	6.7738	20.74	Q				
7+55	6.9197	21.17	Q				
8+ 0	7.0696	21.78	Q				
8+ 5	7.2235	22.34	Q				
8+10	7.3812	22.89	VQ				
8+15	7.5439	23.63	VQ				
8+20	7.7114	24.32	VQ				
8+25	7.8834	24.98	VQ				
8+30	8.0622	25.95	VQ				
8+35	8.2468	26.81	Q				
8+40	8.4369	27.59	Q				
8+45	8.6328	28.45	Q				
8+50	8.8370	29.64	Q				
8+55	9.0537	31.47	VQ				
9+ 0	9.2917	34.56	VQ				
9+ 5	9.5518	37.77	V Q				
9+10	9.8359	41.26	V Q				
9+15	10.1540	46.18	V Q				
9+20	10.5052	51.00	V Q				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9+55 14.0916 90.58
10+ 0 14.7551 96.34
10+ 5 15.4460 100.32
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10+15 16.8575 103.04
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10+35 19.2492 70.17
10+40 19.7132 67.37
10+45 20.1752 67.08
10+50 20.6504 69.00
10+55 21.1573 73.60
11+ 0 21.7413 84.80
11+ 5 22.3815 92.95
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11+25 25.1142 101.08
11+30 25.8053 100.34
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11+45 27.8608 99.13
11+50 28.5383 98.38
11+55 29.2066 97.04
12+ 0 29.8507 93.51
12+ 5 30.4884 92.59
12+10 31.1464 95.55
12+15 31.8455 101.51
12+20 32.5966 109.05
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12+30 34.3677 138.00
12+35 35.4198 152.76
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12+45 37.7161 171.29
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12+55 40.2407 187.18
13+ 0 41.5970 196.93
13+ 5 43.0139 205.74
13+10 44.4884 214.09
13+15 46.0298 223.81
13+20 47.6379 233.50
13+25 49.3196 244.18
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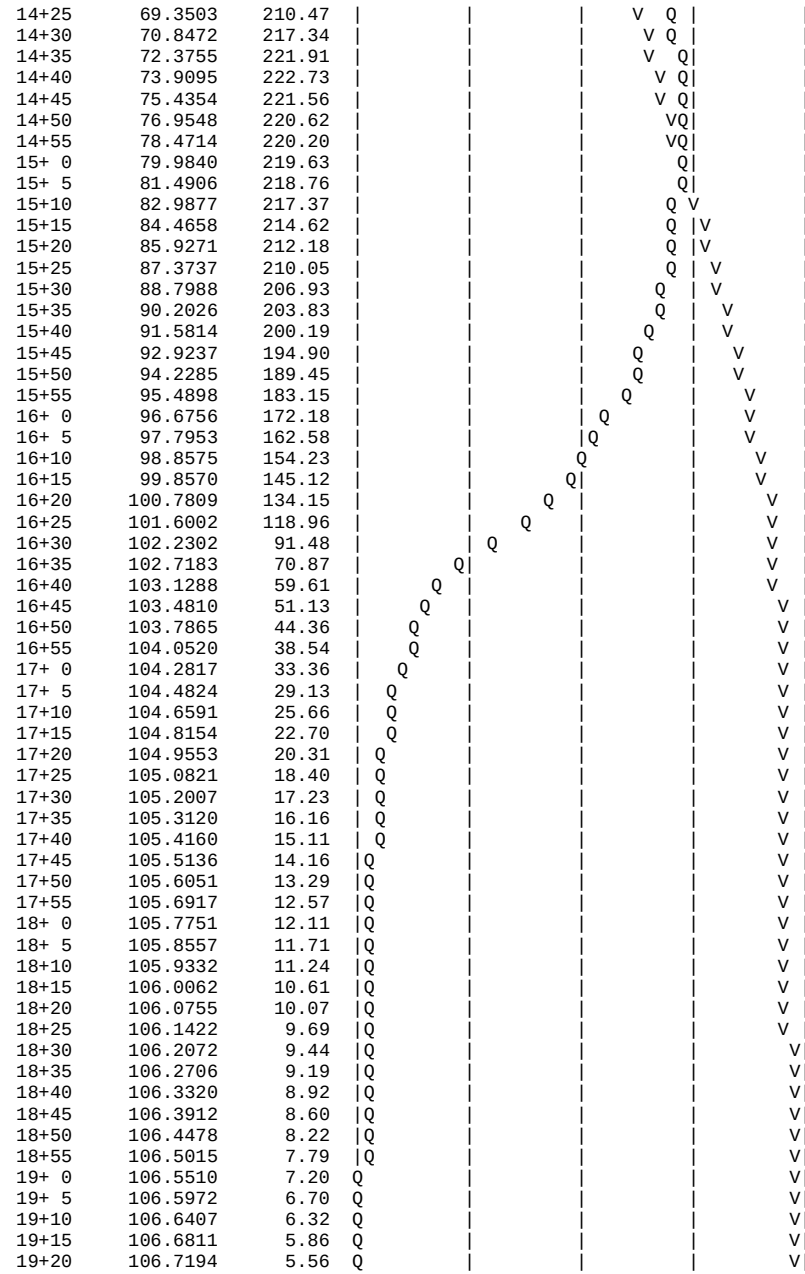
13+35 52.9829 271.42
13+40 54.8747 274.69
13+45 56.7642 274.36
13+50 58.6247 270.15
13+55 60.4171 260.26
14+ 0 62.0428 236.06
14+ 5 63.5519 219.11
14+10 65.0173 212.78
14+15 66.4617 209.72
14+20 67.9008 208.97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14+45 75.4354 221.56
14+50 76.9548 220.62
14+55 78.4714 220.20
15+ 0 79.9840 219.63
15+ 5 81.4906 218.76
15+10 82.9877 217.37
15+15 84.4658 214.62
15+20 85.9271 212.18
15+25 87.3737 210.05
15+30 88.7988 206.93
15+35 90.2026 203.83
15+40 91.5814 200.19
15+45 92.9237 194.90
15+50 94.2285 189.45
15+55 95.4898 183.15
16+ 0 96.6756 172.18
16+ 5 97.7953 162.58
16+10 98.8575 154.23
16+15 99.8570 145.12
16+20 100.7809 134.15
16+25 101.6002 118.96
16+30 102.2302 91.48
16+35 102.7183 70.87
16+40 103.1288 59.61
16+45 103.4810 51.13
16+50 103.7865 44.36
16+55 104.0520 38.54
17+ 0 104.2817 33.36
17+ 5 104.4824 29.13
17+10 104.6591 25.66
17+15 104.8154 22.70
17+20 104.9553 20.31
17+25 105.0821 18.40
17+30 105.2007 17.23
17+35 105.3120 16.16
17+40 105.4160 15.11
17+45 105.5136 14.16
17+50 105.6051 13.29
17+55 105.6917 12.57
18+ 0 105.7751 12.11
18+ 5 105.8557 11.71
18+10 105.9332 11.24
18+15 106.0062 10.61
18+20 106.0755 10.07
18+25 106.1422 9.69
18+30 106.2072 9.44
18+35 106.2706 9.19
18+40 106.3320 8.92
18+45 106.3912 8.60
18+50 106.4478 8.22
18+55 106.5015 7.79
19+ 0 106.5510 7.20
19+ 5 106.5972 6.70
19+10 106.6407 6.32
19+15 106.6811 5.86
19+20 106.7194 5.56

19+25	106.7578	5.58	Q	|	|	|	V|
19+30	106.7982	5.87	Q	|	|	|	V|
19+35	106.8403	6.11	Q	|	|	|	V|
19+40	106.8834	6.26	Q	|	|	|	V|
19+45	106.9286	6.56	Q	|	|	|	V|
19+50	106.9748	6.70	Q	|	|	|	V|
19+55	107.0202	6.59	Q	|	|	|	V|
20+ 0	107.0631	6.23	Q	|	|	|	V|
20+ 5	107.1039	5.93	Q	|	|	|	V|
20+10	107.1432	5.71	Q	|	|	|	V|
20+15	107.1802	5.37	Q	|	|	|	V|
20+20	107.2159	5.18	Q	|	|	|	V|
20+25	107.2517	5.20	Q	|	|	|	V|
20+30	107.2893	5.45	Q	|	|	|	V|
20+35	107.3281	5.63	Q	|	|	|	V|
20+40	107.3673	5.69	Q	|	|	|	V|
20+45	107.4068	5.73	Q	|	|	|	V|
20+50	107.4463	5.74	Q	|	|	|	V|
20+55	107.4855	5.69	Q	|	|	|	V|
21+ 0	107.5242	5.62	Q	|	|	|	V|
21+ 5	107.5622	5.52	Q	|	|	|	V|
21+10	107.5994	5.39	Q	|	|	|	V|
21+15	107.6345	5.11	Q	|	|	|	V|
21+20	107.6685	4.93	Q	|	|	|	V|
21+25	107.7024	4.92	Q	|	|	|	V|
21+30	107.7376	5.11	Q	|	|	|	V|
21+35	107.7735	5.21	Q	|	|	|	V|
21+40	107.8090	5.16	Q	|	|	|	V|
21+45	107.8429	4.92	Q	|	|	|	V|
21+50	107.8759	4.78	Q	|	|	|	V|
21+55	107.9090	4.81	Q	|	|	|	V|
22+ 0	107.9435	5.02	Q	|	|	|	V|
22+ 5	107.9789	5.13	Q	|	|	|	V|
22+10	108.0139	5.09	Q	|	|	|	V|
22+15	108.0473	4.86	Q	|	|	|	V|
22+20	108.0799	4.72	Q	|	|	|	V|
22+25	108.1126	4.75	Q	|	|	|	V|
22+30	108.1468	4.97	Q	|	|	|	V|
22+35	108.1817	5.06	Q	|	|	|	V|
22+40	108.2159	4.97	Q	|	|	|	V|
22+45	108.2480	4.66	Q	|	|	|	V|
22+50	108.2785	4.43	Q	|	|	|	V|
22+55	108.3083	4.33	Q	|	|	|	V|
23+ 0	108.3377	4.26	Q	|	|	|	V|
23+ 5	108.3666	4.20	Q	|	|	|	V|
23+10	108.3952	4.16	Q	|	|	|	V|
23+15	108.4236	4.12	Q	|	|	|	V|
23+20	108.4518	4.09	Q	|	|	|	V|
23+25	108.4798	4.07	Q	|	|	|	V|
23+30	108.5076	4.04	Q	|	|	|	V|
23+35	108.5353	4.02	Q	|	|	|	V|
23+40	108.5628	4.00	Q	|	|	|	V|
23+45	108.5902	3.98	Q	|	|	|	V|
23+50	108.6176	3.97	Q	|	|	|	V|
23+55	108.6449	3.96	Q	|	|	|	V|
24+ 0	108.6721	3.95	Q	|	|	|	V|
24+ 5	108.6989	3.89	Q	|	|	|	V|
24+10	108.7248	3.77	Q	|	|	|	V|
24+15	108.7496	3.59	Q	|	|	|	V|
24+20	108.7726	3.34	Q	|	|	|	V|
24+25	108.7930	2.96	Q	|	|	|	V|
24+30	108.8081	2.19	Q	|	|	|	V|
24+35	108.8193	1.63	Q	|	|	|	V|
24+40	108.8285	1.33	Q	|	|	|	V|
24+45	108.8362	1.12	Q	|	|	|	V|
24+50	108.8428	0.95	Q	|	|	|	V|
24+55	108.8483	0.81	Q	|	|	|	V|
25+ 0	108.8531	0.69	Q	|	|	|	V|
25+ 5	108.8571	0.58	Q	|	|	|	V|
25+10	108.8605	0.49	Q	|	|	|	V|
25+15	108.8633	0.42	Q	|	|	|	V|
25+20	108.8658	0.35	Q	|	|	|	V|
25+25	108.8678	0.29	Q	|	|	|	V|
25+30	108.8694	0.24	Q	|	|	|	V|
25+35	108.8708	0.20	Q	|	|	|	V|
25+40	108.8719	0.16	Q	|	|	|	V|
25+45	108.8728	0.13	Q	|	|	|	V|
25+50	108.8736	0.11	Q	|	|	|	V|
25+55	108.8742	0.09	Q	|	|	|	V|
26+ 0	108.8747	0.08	Q	|	|	|	V|
26+ 5	108.8752	0.07	Q	|	|	|	V|
26+10	108.8756	0.06	Q	|	|	|	V|
26+15	108.8759	0.05	Q	|	|	|	V|
26+20	108.8762	0.05	Q	|	|	|	V|
26+25	108.8765	0.04	Q	|	|	|	V|
26+30	108.8768	0.03	Q	|	|	|	V|
26+35	108.8770	0.03	Q	|	|	|	V|
26+40	108.8772	0.03	Q	|	|	|	V|
26+45	108.8773	0.02	Q	|	|	|	V|
26+50	108.8774	0.02	Q	|	|	|	V|
26+55	108.8775	0.01	Q	|	|	|	V|
27+ 0	108.8775	0.01	Q	|	|	|	V|
27+ 5	108.8776	0.01	Q	|	|	|	V|
27+10	108.8776	0.00	Q	|	|	|	V|
27+15	108.8776	0.00	Q	|	|	|	V|

AREA TRIBUTARY TO CP6

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 06/13/23 File: mesae63100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 6
6/13/23

Drainage Area = 65.47(Ac.) = 0.102 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 65.47(Ac.) = 0.102 Sq. Mi.
Length along longest watercourse = 4069.00(Ft.)
Length along longest watercourse measured to centroid = 1195.00(Ft.)
Length along longest watercourse = 0.771 Mi.
Length along longest watercourse measured to centroid = 0.226 Mi.
Difference in elevation = 182.00(Ft.)
Slope along watercourse = 236.1661 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.109 Hr.
Lag time = 6.56 Min.
25% of lag time = 1.64 Min.
40% of lag time = 2.63 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.47	0.94	61.54

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.47	1.97	128.98

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 1.969(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
16.340	70.00	0.000
36.710	80.00	0.000
2.590	84.00	0.000
0.130	79.00	0.200
6.320	84.00	0.200
1.250	92.00	0.900
2.060	94.00	0.900
0.070	95.00	0.900

Total Area Entered = 65.47(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.250	0.090
80.0	80.0	0.244	0.000	0.244	0.561	0.137
84.0	84.0	0.198	0.000	0.198	0.040	0.008
79.0	79.0	0.256	0.200	0.210	0.002	0.000
84.0	84.0	0.198	0.200	0.163	0.097	0.016
92.0	92.0	0.104	0.900	0.020	0.019	0.000
94.0	94.0	0.078	0.900	0.015	0.031	0.000
95.0	95.0	0.065	0.900	0.012	0.001	0.000
					Sum (F) =	0.252

Area averaged mean soil loss (F) (In/Hr) = 0.252
Minimum soil loss rate ((In/Hr)) = 0.126
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.840

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	76.169	8.259	5.450
2	0.167	152.337	45.852	30.254
3	0.250	228.506	26.136	17.245
4	0.333	304.674	10.178	6.716
5	0.417	380.843	5.331	3.518
6	0.500	457.011	2.332	1.538
7	0.583	533.180	0.834	0.550
8	0.667	609.348	0.549	0.363
9	0.750	685.517	0.402	0.265
10	0.833	761.685	0.127	0.084
			Sum = 100.000	Sum= 65.981

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.252	(0.258)	0.055
2	0.17	1.30	0.307	0.252	(0.258)	0.055
3	0.25	1.10	0.260	(0.252)	0.218	0.042
4	0.33	1.50	0.354	0.252	(0.298)	0.103
5	0.42	1.50	0.354	0.252	(0.298)	0.103
6	0.50	1.80	0.425	0.252	(0.357)	0.173
7	0.58	1.50	0.354	0.252	(0.298)	0.103
8	0.67	1.80	0.425	0.252	(0.357)	0.173
9	0.75	1.80	0.425	0.252	(0.357)	0.173
10	0.83	1.50	0.354	0.252	(0.298)	0.103
11	0.92	1.60	0.378	0.252	(0.318)	0.126
12	1.00	1.80	0.425	0.252	(0.357)	0.173
13	1.08	2.20	0.520	0.252	(0.437)	0.268
14	1.17	2.20	0.520	0.252	(0.437)	0.268
15	1.25	2.20	0.520	0.252	(0.437)	0.268
16	1.33	2.00	0.473	0.252	(0.397)	0.221
17	1.42	2.60	0.614	0.252	(0.516)	0.362
18	1.50	2.70	0.638	0.252	(0.536)	0.386
19	1.58	2.40	0.567	0.252	(0.476)	0.315
20	1.67	2.70	0.638	0.252	(0.536)	0.386
21	1.75	3.30	0.780	0.252	(0.655)	0.528
22	1.83	3.10	0.733	0.252	(0.615)	0.481
23	1.92	2.90	0.685	0.252	(0.576)	0.433
24	2.00	3.00	0.709	0.252	(0.596)	0.457
25	2.08	3.10	0.733	0.252	(0.615)	0.481
26	2.17	4.20	0.993	0.252	(0.834)	0.741
27	2.25	5.00	1.182	0.252	(0.993)	0.930
28	2.33	3.50	0.827	0.252	(0.695)	0.575
29	2.42	6.80	1.607	0.252	(1.350)	1.355
30	2.50	7.30	1.725	0.252	(1.449)	1.473
31	2.58	8.20	1.938	0.252	(1.628)	1.686
32	2.67	5.90	1.394	0.252	(1.171)	1.142
33	2.75	2.00	0.473	0.252	(0.397)	0.221
34	2.83	1.80	0.425	0.252	(0.357)	0.173
35	2.92	1.80	0.425	0.252	(0.357)	0.173
36	3.00	0.60	0.142	(0.252)	0.119	0.023
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	14.7

Flood volume = Effective rainfall 1.23(In)
times area 65.5(Ac.)/[(In)/(Ft.)] = 6.7(Ac.Ft)
Total soil loss = 0.74(In)
Total soil loss = 4.049(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 291685.6 Cubic Feet
Total soil loss = 176362.8 Cubic Feet

Peak flow rate of this hydrograph = 95.979(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 25.0 50.0 75.0 100.0
0+ 5	0.0021	0.30	Q
0+10	0.0157	1.97	Q
0+15	0.0353	2.85	VQ
0+20	0.0569	3.14	VQ
0+25	0.0910	4.95	VQ
0+30	0.1349	6.38	V Q
0+35	0.1936	8.53	|V Q
0+40	0.2501	8.20	|V Q
0+45	0.3170	9.70	|V Q
0+50	0.3882	10.35	| V Q
0+55	0.4481	8.68	| VQ
1+ 0	0.5075	8.63	| Q
1+ 5	0.5805	10.61	| VQ
1+10	0.6785	14.23	| VQ
1+15	0.7898	16.16	| V Q
1+20	0.9049	16.72	| VQ
1+25	1.0183	16.46	| Q
1+30	1.1576	20.22	| V Q |
1+35	1.3142	22.75	| V Q|
1+40	1.4674	22.23	| Q |
1+45	1.6364	24.54	| Q|
1+50	1.8403	29.61	| VQ
1+55	2.0517	30.69	| Q
2+ 0	2.2564	29.72	|Q V
2+ 5	2.4633	30.04	| Q V
2+10	2.6860	32.35	| Q V
2+15	2.9730	41.66	| QV
2+20	3.3183	50.14	| VQ
2+25	3.6544	48.80	| Q|V
2+30	4.1306	69.15	| V Q
2+35	4.7231	86.03	| V | Q
2+40	5.3841	95.98	| V Q
2+45	5.9445	81.37	| Q V
2+50	6.2670	46.82	| Q V
2+55	6.4539	27.14	| Q V
3+ 0	6.5779	18.00	| Q V|
3+ 5	6.6416	9.25	| Q V|
3+10	6.6708	4.25	|Q V|
3+15	6.6855	2.14	Q V|
3+20	6.6922	0.97	Q V|
3+25	6.6946	0.35	Q V|
3+30	6.6956	0.14	Q V|
3+35	6.6960	0.07	Q V|
3+40	6.6962	0.02	Q V|
3+45	6.6962	0.00	Q V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae66100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 6
6/13/23

Drainage Area = 65.47(Ac.) = 0.102 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 65.47(Ac.) = 0.102 Sq. Mi.
Length along longest watercourse = 4069.00(Ft.)
Length along longest watercourse measured to centroid = 1195.00(Ft.)
Length along longest watercourse = 0.771 Mi.
Length along longest watercourse measured to centroid = 0.226 Mi.
Difference in elevation = 182.00(Ft.)
Slope along watercourse = 236.1661 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.109 Hr.
Lag time = 6.56 Min.
25% of lag time = 1.64 Min.
40% of lag time = 2.63 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.47	1.35	88.38

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.47	2.78	182.01

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.779(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
16.340	70.00	0.000
36.710	80.00	0.000
2.590	84.00	0.000
0.130	79.00	0.200
6.320	84.00	0.200
1.250	92.00	0.900
2.060	94.00	0.900
0.070	95.00	0.900

Total Area Entered = 65.47(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.250	0.090
80.0	80.0	0.244	0.000	0.244	0.561	0.137
84.0	84.0	0.198	0.000	0.198	0.040	0.008
79.0	79.0	0.256	0.200	0.210	0.002	0.000
84.0	84.0	0.198	0.200	0.163	0.097	0.016
92.0	92.0	0.104	0.900	0.020	0.019	0.000
94.0	94.0	0.078	0.900	0.015	0.031	0.000
95.0	95.0	0.065	0.900	0.012	0.001	0.000
					Sum (F) =	0.252

Area averaged mean soil loss (F) (In/Hr) = 0.252
Minimum soil loss rate ((In/Hr)) = 0.126
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.840

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	76.169	8.259	5.450
2	0.167	152.337	45.852	30.254
3	0.250	228.506	26.136	17.245
4	0.333	304.674	10.178	6.716
5	0.417	380.843	5.331	3.518
6	0.500	457.011	2.332	1.538
7	0.583	533.180	0.834	0.550
8	0.667	609.348	0.549	0.363
9	0.750	685.517	0.402	0.265
10	0.833	761.685	0.127	0.084
		Sum = 100.000	Sum=	65.981

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.252)	0.140	0.027
2	0.17	0.60	0.200	(0.252)	0.168	0.032
3	0.25	0.60	0.200	(0.252)	0.168	0.032
4	0.33	0.60	0.200	(0.252)	0.168	0.032
5	0.42	0.60	0.200	(0.252)	0.168	0.032
6	0.50	0.70	0.233	(0.252)	0.196	0.037
7	0.58	0.70	0.233	(0.252)	0.196	0.037
8	0.67	0.70	0.233	(0.252)	0.196	0.037
9	0.75	0.70	0.233	(0.252)	0.196	0.037
10	0.83	0.70	0.233	(0.252)	0.196	0.037
11	0.92	0.70	0.233	(0.252)	0.196	0.037
12	1.00	0.80	0.267	(0.252)	0.224	0.043
13	1.08	0.80	0.267	(0.252)	0.224	0.043
14	1.17	0.80	0.267	(0.252)	0.224	0.043
15	1.25	0.80	0.267	(0.252)	0.224	0.043
16	1.33	0.80	0.267	(0.252)	0.224	0.043
17	1.42	0.80	0.267	(0.252)	0.224	0.043
18	1.50	0.80	0.267	(0.252)	0.224	0.043
19	1.58	0.80	0.267	(0.252)	0.224	0.043
20	1.67	0.80	0.267	(0.252)	0.224	0.043
21	1.75	0.80	0.267	(0.252)	0.224	0.043
22	1.83	0.80	0.267	(0.252)	0.224	0.043
23	1.92	0.80	0.267	(0.252)	0.224	0.043
24	2.00	0.90	0.300	0.252	(0.252)	0.048
25	2.08	0.80	0.267	(0.252)	0.224	0.043
26	2.17	0.90	0.300	0.252	(0.252)	0.048
27	2.25	0.90	0.300	0.252	(0.252)	0.048
28	2.33	0.90	0.300	0.252	(0.252)	0.048
29	2.42	0.90	0.300	0.252	(0.252)	0.048
30	2.50	0.90	0.300	0.252	(0.252)	0.048
31	2.58	0.90	0.300	0.252	(0.252)	0.048
32	2.67	0.90	0.300	0.252	(0.252)	0.048
33	2.75	1.00	0.334	0.252	(0.280)	0.082
34	2.83	1.00	0.334	0.252	(0.280)	0.082
35	2.92	1.00	0.334	0.252	(0.280)	0.082
36	3.00	1.00	0.334	0.252	(0.280)	0.082
37	3.08	1.00	0.334	0.252	(0.280)	0.082
38	3.17	1.10	0.367	0.252	(0.308)	0.115
39	3.25	1.10	0.367	0.252	(0.308)	0.115
40	3.33	1.10	0.367	0.252	(0.308)	0.115
41	3.42	1.20	0.400	0.252	(0.336)	0.148
42	3.50	1.30	0.434	0.252	(0.364)	0.182
43	3.58	1.40	0.467	0.252	(0.392)	0.215
44	3.67	1.40	0.467	0.252	(0.392)	0.215
45	3.75	1.50	0.500	0.252	(0.420)	0.248
46	3.83	1.50	0.500	0.252	(0.420)	0.248
47	3.92	1.60	0.534	0.252	(0.448)	0.282
48	4.00	1.60	0.534	0.252	(0.448)	0.282
49	4.08	1.70	0.567	0.252	(0.476)	0.315
50	4.17	1.80	0.600	0.252	(0.504)	0.348
51	4.25	1.90	0.634	0.252	(0.532)	0.382
52	4.33	2.00	0.667	0.252	(0.560)	0.415
53	4.42	2.10	0.700	0.252	(0.588)	0.448
54	4.50	2.10	0.700	0.252	(0.588)	0.448
55	4.58	2.20	0.734	0.252	(0.616)	0.482
56	4.67	2.30	0.767	0.252	(0.644)	0.515
57	4.75	2.40	0.800	0.252	(0.672)	0.548
58	4.83	2.40	0.800	0.252	(0.672)	0.548
59	4.92	2.50	0.834	0.252	(0.700)	0.582
60	5.00	2.60	0.867	0.252	(0.728)	0.615
61	5.08	3.10	1.034	0.252	(0.868)	0.782
62	5.17	3.60	1.201	0.252	(1.009)	0.949
63	5.25	3.90	1.301	0.252	(1.093)	1.049
64	5.33	4.20	1.401	0.252	(1.177)	1.149
65	5.42	4.70	1.568	0.252	(1.317)	1.316
66	5.50	5.60	1.868	0.252	(1.569)	1.616
67	5.58	1.90	0.634	0.252	(0.532)	0.382
68	5.67	0.90	0.300	0.252	(0.252)	0.048
69	5.75	0.60	0.200	(0.252)	0.168	0.032
70	5.83	0.50	0.167	(0.252)	0.140	0.027
71	5.92	0.30	0.100	(0.252)	0.084	0.016
72	6.00	0.20	0.067	(0.252)	0.056	0.011

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.9

Flood volume = Effective rainfall 1.41(In)
times area 65.5(Ac.)/[(In)/(Ft.)] = 7.7(Ac.Ft)
Total soil loss = 1.37(In)
Total soil loss = 7.474(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 334974.3 Cubic Feet
Total soil loss = 325561.0 Cubic Feet

Peak flow rate of this hydrograph = 87.412(CFS)

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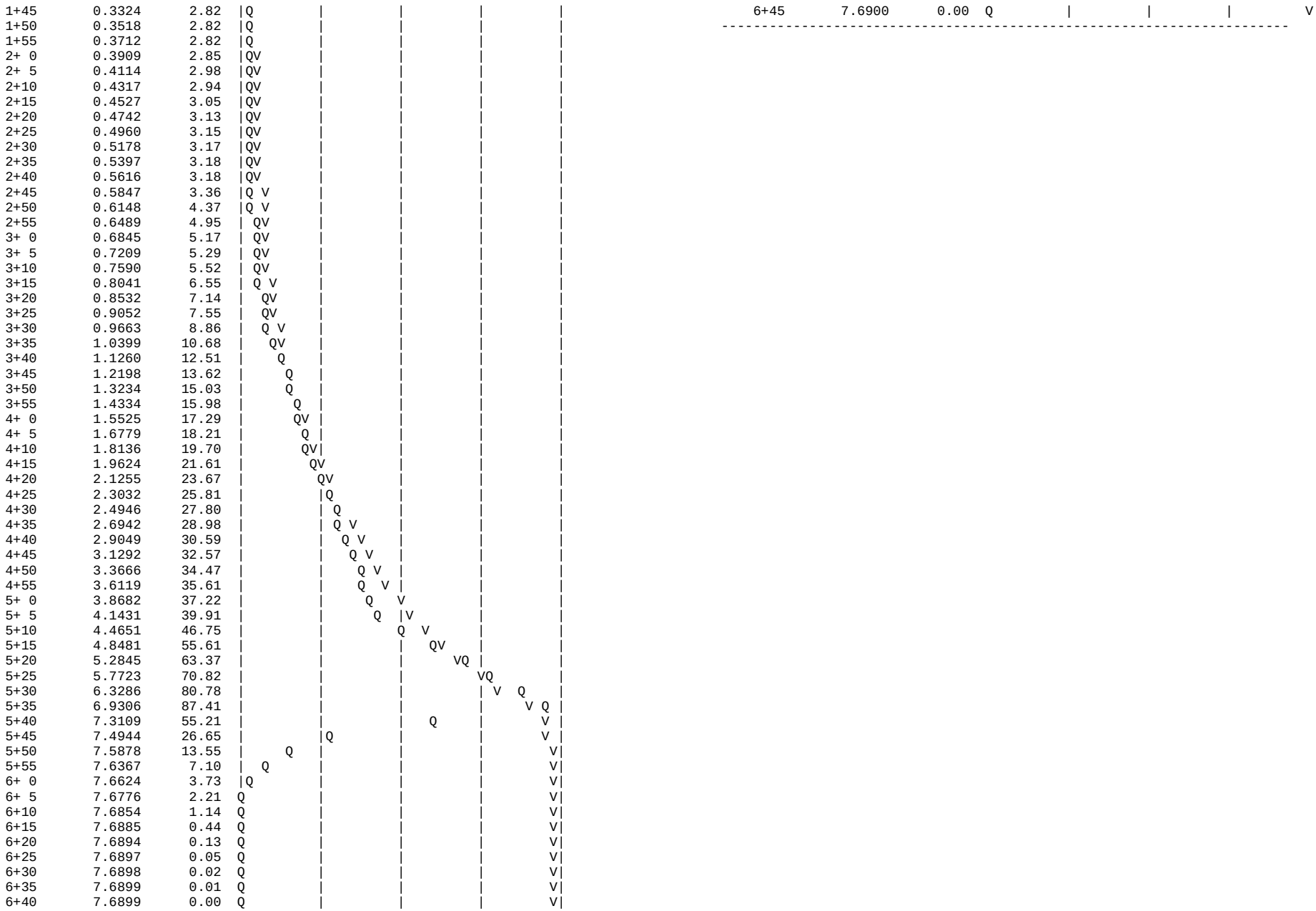
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	22.5	45.0	67.5	90.0
0+ 5	0.0010	0.15	Q	|	|	|	|
0+10	0.0078	0.98	Q	|	|	|	|
0+15	0.0188	1.60	Q	|	|	|	|
0+20	0.0317	1.88	Q	|	|	|	|
0+25	0.0455	2.01	Q	|	|	|	|
0+30	0.0600	2.09	Q	|	|	|	|
0+35	0.0757	2.28	VQ	|	|	|	|
0+40	0.0921	2.38	VQ	|	|	|	|
0+45	0.1088	2.43	VQ	|	|	|	|
0+50	0.1257	2.45	VQ	|	|	|	|
0+55	0.1426	2.46	VQ	|	|	|	|
1+ 0	0.1598	2.49	VQ	|	|	|	|
1+ 5	0.1780	2.65	VQ	|	|	|	|
1+10	0.1970	2.75	|Q	|	|	|	|
1+15	0.2162	2.78	|Q	|	|	|	|
1+20	0.2355	2.80	|Q	|	|	|	|
1+25	0.2548	2.81	|Q	|	|	|	|
1+30	0.2742	2.81	|Q	|	|	|	|
1+35	0.2936	2.82	|Q	|	|	|	|
1+40	0.3130	2.82	|Q	|	|	|	|


1+45 0.3324 2.82
1+50 0.3518 2.82
1+55 0.3712 2.82
2+ 0 0.3909 2.85
2+ 5 0.4114 2.98
2+10 0.4317 2.94
2+15 0.4527 3.05
2+20 0.4742 3.13
2+25 0.4960 3.15
2+30 0.5178 3.17
2+35 0.5397 3.18
2+40 0.5616 3.18
2+45 0.5847 3.36
2+50 0.6148 4.37
2+55 0.6489 4.95
3+ 0 0.6845 5.17
3+ 5 0.7209 5.29
3+10 0.7590 5.52
3+15 0.8041 6.55
3+20 0.8532 7.14
3+25 0.9052 7.55
3+30 0.9663 8.86
3+35 1.0399 10.68
3+40 1.1260 12.51
3+45 1.2198 13.62
3+50 1.3234 15.03
3+55 1.4334 15.98
4+ 0 1.5525 17.29
4+ 5 1.6779 18.21
4+10 1.8136 19.70
4+15 1.9624 21.61
4+20 2.1255 23.67
4+25 2.3032 25.81
4+30 2.4946 27.80
4+35 2.6942 28.98
4+40 2.9049 30.59
4+45 3.1292 32.57
4+50 3.3666 34.47
4+55 3.6119 35.61
5+ 0 3.8682 37.22
5+ 5 4.1431 39.91
5+10 4.4651 46.75
5+15 4.8481 55.61
5+20 5.2845 63.37
5+25 5.7723 70.82
5+30 6.3286 80.78
5+35 6.9306 87.41
5+40 7.3109 55.21
5+45 7.4944 26.65
5+50 7.5878 13.55
5+55 7.6367 7.10
6+ 0 7.6624 3.73
6+ 5 7.6776 2.21
6+10 7.6854 1.14
6+15 7.6885 0.44
6+20 7.6894 0.13
6+25 7.6897 0.05
6+30 7.6898 0.02
6+35 7.6899 0.01
6+40 7.6899 0.00
6+45 7.6900 0.00

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae624100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 6
6/13/23

Drainage Area = 65.47(Ac.) = 0.102 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 65.47(Ac.) = 0.102 Sq. Mi.
Length along longest watercourse = 4069.00(Ft.)
Length along longest watercourse measured to centroid = 1195.00(Ft.)
Length along longest watercourse = 0.771 Mi.
Length along longest watercourse measured to centroid = 0.226 Mi.
Difference in elevation = 182.00(Ft.)
Slope along watercourse = 236.1661 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.109 Hr.
Lag time = 6.56 Min.
25% of lag time = 1.64 Min.
40% of lag time = 2.63 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.47	2.45	160.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.47	6.08	398.06

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.079(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
16.340	70.00	0.000
36.710	80.00	0.000
2.590	84.00	0.000
0.130	79.00	0.200
6.320	84.00	0.200
1.250	92.00	0.900
2.060	94.00	0.900
0.070	95.00	0.900

Total Area Entered = 65.47(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.250	0.090
80.0	80.0	0.244	0.000	0.244	0.561	0.137
84.0	84.0	0.198	0.000	0.198	0.040	0.008
79.0	79.0	0.256	0.200	0.210	0.002	0.000
84.0	84.0	0.198	0.200	0.163	0.097	0.016
92.0	92.0	0.104	0.900	0.020	0.019	0.000
94.0	94.0	0.078	0.900	0.015	0.031	0.000
95.0	95.0	0.065	0.900	0.012	0.001	0.000
					Sum (F) =	0.252

Area averaged mean soil loss (F) (In/Hr) = 0.252
Minimum soil loss rate ((In/Hr)) = 0.126
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.840

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	76.169	8.259	5.450
2	0.167	152.337	45.852	30.254
3	0.250	228.506	26.136	17.245
4	0.333	304.674	10.178	6.716
5	0.417	380.843	5.331	3.518
6	0.500	457.011	2.332	1.538
7	0.583	533.180	0.834	0.550
8	0.667	609.348	0.549	0.363
9	0.750	685.517	0.402	0.265
10	0.833	761.685	0.127	0.084
			Sum = 100.000	Sum= 65.981

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.447)	0.041	0.008
2	0.17	0.07	0.049	(0.445)	0.041	0.008
3	0.25	0.07	0.049	(0.443)	0.041	0.008
4	0.33	0.10	0.073	(0.442)	0.061	0.012
5	0.42	0.10	0.073	(0.440)	0.061	0.012
6	0.50	0.10	0.073	(0.438)	0.061	0.012
7	0.58	0.10	0.073	(0.436)	0.061	0.012
8	0.67	0.10	0.073	(0.435)	0.061	0.012
9	0.75	0.10	0.073	(0.433)	0.061	0.012
10	0.83	0.13	0.097	(0.431)	0.082	0.016
11	0.92	0.13	0.097	(0.430)	0.082	0.016
12	1.00	0.13	0.097	(0.428)	0.082	0.016
13	1.08	0.10	0.073	(0.426)	0.061	0.012
14	1.17	0.10	0.073	(0.425)	0.061	0.012
15	1.25	0.10	0.073	(0.423)	0.061	0.012
16	1.33	0.10	0.073	(0.421)	0.061	0.012
17	1.42	0.10	0.073	(0.419)	0.061	0.012
18	1.50	0.10	0.073	(0.418)	0.061	0.012
19	1.58	0.10	0.073	(0.416)	0.061	0.012
20	1.67	0.10	0.073	(0.414)	0.061	0.012
21	1.75	0.10	0.073	(0.413)	0.061	0.012
22	1.83	0.13	0.097	(0.411)	0.082	0.016
23	1.92	0.13	0.097	(0.409)	0.082	0.016
24	2.00	0.13	0.097	(0.408)	0.082	0.016
25	2.08	0.13	0.097	(0.406)	0.082	0.016
26	2.17	0.13	0.097	(0.405)	0.082	0.016
27	2.25	0.13	0.097	(0.403)	0.082	0.016
28	2.33	0.13	0.097	(0.401)	0.082	0.016
29	2.42	0.13	0.097	(0.400)	0.082	0.016
30	2.50	0.13	0.097	(0.398)	0.082	0.016
31	2.58	0.17	0.122	(0.396)	0.102	0.019
32	2.67	0.17	0.122	(0.395)	0.102	0.019
33	2.75	0.17	0.122	(0.393)	0.102	0.019
34	2.83	0.17	0.122	(0.391)	0.102	0.019
35	2.92	0.17	0.122	(0.390)	0.102	0.019
36	3.00	0.17	0.122	(0.388)	0.102	0.019
37	3.08	0.17	0.122	(0.387)	0.102	0.019
38	3.17	0.17	0.122	(0.385)	0.102	0.019
39	3.25	0.17	0.122	(0.383)	0.102	0.019
40	3.33	0.17	0.122	(0.382)	0.102	0.019
41	3.42	0.17	0.122	(0.380)	0.102	0.019
42	3.50	0.17	0.122	(0.379)	0.102	0.019
43	3.58	0.17	0.122	(0.377)	0.102	0.019
44	3.67	0.17	0.122	(0.375)	0.102	0.019
45	3.75	0.17	0.122	(0.374)	0.102	0.019
46	3.83	0.20	0.146	(0.372)	0.123	0.023
47	3.92	0.20	0.146	(0.371)	0.123	0.023
48	4.00	0.20	0.146	(0.369)	0.123	0.023
49	4.08	0.20	0.146	(0.368)	0.123	0.023
50	4.17	0.20	0.146	(0.366)	0.123	0.023
51	4.25	0.20	0.146	(0.365)	0.123	0.023
52	4.33	0.23	0.170	(0.363)	0.143	0.027
53	4.42	0.23	0.170	(0.361)	0.143	0.027
54	4.50	0.23	0.170	(0.360)	0.143	0.027
55	4.58	0.23	0.170	(0.358)	0.143	0.027
56	4.67	0.23	0.170	(0.357)	0.143	0.027
57	4.75	0.23	0.170	(0.355)	0.143	0.027
58	4.83	0.27	0.195	(0.354)	0.163	0.031
59	4.92	0.27	0.195	(0.352)	0.163	0.031
60	5.00	0.27	0.195	(0.351)	0.163	0.031
61	5.08	0.20	0.146	(0.349)	0.123	0.023
62	5.17	0.20	0.146	(0.348)	0.123	0.023
63	5.25	0.20	0.146	(0.346)	0.123	0.023
64	5.33	0.23	0.170	(0.345)	0.143	0.027
65	5.42	0.23	0.170	(0.343)	0.143	0.027
66	5.50	0.23	0.170	(0.342)	0.143	0.027
67	5.58	0.27	0.195	(0.340)	0.163	0.031
68	5.67	0.27	0.195	(0.339)	0.163	0.031
69	5.75	0.27	0.195	(0.337)	0.163	0.031
70	5.83	0.27	0.195	(0.336)	0.163	0.031
71	5.92	0.27	0.195	(0.334)	0.163	0.031
72	6.00	0.27	0.195	(0.333)	0.163	0.031
73	6.08	0.30	0.219	(0.331)	0.184	0.035
74	6.17	0.30	0.219	(0.330)	0.184	0.035
75	6.25	0.30	0.219	(0.328)	0.184	0.035
76	6.33	0.30	0.219	(0.327)	0.184	0.035
77	6.42	0.30	0.219	(0.325)	0.184	0.035
78	6.50	0.30	0.219	(0.324)	0.184	0.035
79	6.58	0.33	0.243	(0.322)	0.204	0.039
80	6.67	0.33	0.243	(0.321)	0.204	0.039
81	6.75	0.33	0.243	(0.319)	0.204	0.039
82	6.83	0.33	0.243	(0.318)	0.204	0.039
83	6.92	0.33	0.243	(0.317)	0.204	0.039
84	7.00	0.33	0.243	(0.315)	0.204	0.039
85	7.08	0.33	0.243	(0.314)	0.204	0.039
86	7.17	0.33	0.243	(0.312)	0.204	0.039
87	7.25	0.33	0.243	(0.311)	0.204	0.039
88	7.33	0.37	0.267	(0.309)	0.225	0.043
89	7.42	0.37	0.267	(0.308)	0.225	0.043
90	7.50	0.37	0.267	(0.307)	0.225	0.043
91	7.58	0.40	0.292	(0.305)	0.245	0.047
92	7.67	0.40	0.292	(0.304)	0.245	0.047
93	7.75	0.40	0.292	(0.302)	0.245	0.047
94	7.83	0.43	0.316	(0.301)	0.266	0.051
95	7.92	0.43	0.316	(0.300)	0.266	0.051
96	8.00	0.43	0.316	(0.298)	0.266	0.051
97	8.08	0.50	0.365	0.297	(0.306)	0.068
98	8.17	0.50	0.365	0.295	(0.306)	0.069
99	8.25	0.50	0.365	0.294	(0.306)	0.071
100	8.33	0.50	0.365	0.293	(0.306)	0.072
101	8.42	0.50	0.365	0.291	(0.306)	0.073
102	8.50	0.50	0.365	0.290	(0.306)	0.075
103	8.58	0.53	0.389	0.289	(0.327)	0.100
104	8.67	0.53	0.389	0.287	(0.327)	0.102
105	8.75	0.53	0.389	0.286	(0.327)	0.103
106	8.83	0.57	0.413	0.285	(0.347)	0.129
107	8.92	0.57	0.413	0.283	(0.347)	0.130
108	9.00	0.57	0.413	0.282	(0.347)	0.132
109	9.08	0.63	0.462	0.281	(0.388)	0.181
110	9.17	0.63	0.462	0.279	(0.388)	0.183
111	9.25	0.63	0.462	0.278	(0.388)	0.184
112	9.33	0.67	0.486	0.277	(0.409)	0.210
113	9.42	0.67	0.486	0.275	(0.409)	0.211

114	9.50	0.67	0.486	0.274	(0.409)	0.212
115	9.58	0.70	0.511	0.273	(0.429)	0.238
116	9.67	0.70	0.511	0.271	(0.429)	0.239
117	9.75	0.70	0.511	0.270	(0.429)	0.241
118	9.83	0.73	0.535	0.269	(0.449)	0.266
119	9.92	0.73	0.535	0.267	(0.449)	0.268
120	10.00	0.73	0.535	0.266	(0.449)	0.269
121	10.08	0.50	0.365	0.265	(0.306)	0.100
122	10.17	0.50	0.365	0.264	(0.306)	0.101
123	10.25	0.50	0.365	0.262	(0.306)	0.103
124	10.33	0.50	0.365	0.261	(0.306)	0.104
125	10.42	0.50	0.365	0.260	(0.306)	0.105
126	10.50	0.50	0.365	0.258	(0.306)	0.106
127	10.58	0.67	0.486	0.257	(0.409)	0.229
128	10.67	0.67	0.486	0.256	(0.409)	0.230
129	10.75	0.67	0.486	0.255	(0.409)	0.232
130	10.83	0.67	0.486	0.253	(0.409)	0.233
131	10.92	0.67	0.486	0.252	(0.409)	0.234
132	11.00	0.67	0.486	0.251	(0.409)	0.235
133	11.08	0.63	0.462	0.250	(0.388)	0.212
134	11.17	0.63	0.462	0.248	(0.388)	0.214
135	11.25	0.63	0.462	0.247	(0.388)	0.215
136	11.33	0.63	0.462	0.246	(0.388)	0.216
137	11.42	0.63	0.462	0.245	(0.388)	0.217
138	11.50	0.63	0.462	0.244	(0.388)	0.218
139	11.58	0.57	0.413	0.242	(0.347)	0.171
140	11.67	0.57	0.413	0.241	(0.347)	0.172
141	11.75	0.57	0.413	0.240	(0.347)	0.173
142	11.83	0.60	0.438	0.239	(0.368)	0.199
143	11.92	0.60	0.438	0.238	(0.368)	0.200
144	12.00	0.60	0.438	0.236	(0.368)	0.201
145	12.08	0.83	0.608	0.235	(0.511)	0.373
146	12.17	0.83	0.608	0.234	(0.511)	0.374
147	12.25	0.83	0.608	0.233	(0.511)	0.375
148	12.33	0.87	0.632	0.232	(0.531)	0.401
149	12.42	0.87	0.632	0.231	(0.531)	0.402
150	12.50	0.87	0.632	0.229	(0.531)	0.403
151	12.58	0.93	0.681	0.228	(0.572)	0.453
152	12.67	0.93	0.681	0.227	(0.572)	0.454
153	12.75	0.93	0.681	0.226	(0.572)	0.455
154	12.83	0.97	0.705	0.225	(0.592)	0.480
155	12.92	0.97	0.705	0.224	(0.592)	0.482
156	13.00	0.97	0.705	0.223	(0.592)	0.483
157	13.08	1.13	0.827	0.221	(0.694)	0.605
158	13.17	1.13	0.827	0.220	(0.694)	0.606
159	13.25	1.13	0.827	0.219	(0.694)	0.608
160	13.33	1.13	0.827	0.218	(0.694)	0.609
161	13.42	1.13	0.827	0.217	(0.694)	0.610
162	13.50	1.13	0.827	0.216	(0.694)	0.611
163	13.58	0.77	0.559	0.215	(0.470)	0.345
164	13.67	0.77	0.559	0.214	(0.470)	0.346
165	13.75	0.77	0.559	0.213	(0.470)	0.347
166	13.83	0.77	0.559	0.211	(0.470)	0.348
167	13.92	0.77	0.559	0.210	(0.470)	0.349
168	14.00	0.77	0.559	0.209	(0.470)	0.350
169	14.08	0.90	0.657	0.208	(0.552)	0.448
170	14.17	0.90	0.657	0.207	(0.552)	0.449
171	14.25	0.90	0.657	0.206	(0.552)	0.450
172	14.33	0.87	0.632	0.205	(0.531)	0.427
173	14.42	0.87	0.632	0.204	(0.531)	0.428
174	14.50	0.87	0.632	0.203	(0.531)	0.429
175	14.58	0.87	0.632	0.202	(0.531)	0.430
176	14.67	0.87	0.632	0.201	(0.531)	0.431
177	14.75	0.87	0.632	0.200	(0.531)	0.432
178	14.83	0.83	0.608	0.199	(0.511)	0.409
179	14.92	0.83	0.608	0.198	(0.511)	0.410
180	15.00	0.83	0.608	0.197	(0.511)	0.411
181	15.08	0.80	0.584	0.196	(0.490)	0.388
182	15.17	0.80	0.584	0.195	(0.490)	0.389
183	15.25	0.80	0.584	0.194	(0.490)	0.390
184	15.33	0.77	0.559	0.193	(0.470)	0.366
185	15.42	0.77	0.559	0.192	(0.470)	0.367
186	15.50	0.77	0.559	0.191	(0.470)	0.368
187	15.58	0.63	0.462	0.190	(0.388)	0.272
188	15.67	0.63	0.462	0.189	(0.388)	0.273
189	15.75	0.63	0.462	0.188	(0.388)	0.274
190	15.83	0.63	0.462	0.187	(0.388)	0.275
191	15.92	0.63	0.462	0.186	(0.388)	0.276
192	16.00	0.63	0.462	0.185	(0.388)	0.277
193	16.08	0.13	0.097	(0.184)	0.082	0.016
194	16.17	0.13	0.097	(0.183)	0.082	0.016
195	16.25	0.13	0.097	(0.182)	0.082	0.016
196	16.33	0.13	0.097	(0.181)	0.082	0.016
197	16.42	0.13	0.097	(0.180)	0.082	0.016
198	16.50	0.13	0.097	(0.179)	0.082	0.016
199	16.58	0.10	0.073	(0.179)	0.061	0.012
200	16.67	0.10	0.073	(0.178)	0.061	0.012
201	16.75	0.10	0.073	(0.177)	0.061	0.012
202	16.83	0.10	0.073	(0.176)	0.061	0.012
203	16.92	0.10	0.073	(0.175)	0.061	0.012
204	17.00	0.10	0.073	(0.174)	0.061	0.012
205	17.08	0.17	0.122	(0.173)	0.102	0.019
206	17.17	0.17	0.122	(0.172)	0.102	0.019
207	17.25	0.17	0.122	(0.171)	0.102	0.019
208	17.33	0.17	0.122	(0.171)	0.102	0.019
209	17.42	0.17	0.122	(0.170)	0.102	0.019
210	17.50	0.17	0.122	(0.169)	0.102	0.019
211	17.58	0.17	0.122	(0.168)	0.102	0.019
212	17.67	0.17	0.122	(0.167)	0.102	0.019
213	17.75	0.17	0.122	(0.166)	0.102	0.019
214	17.83	0.13	0.097	(0.166)	0.082	0.016
215	17.92	0.13	0.097	(0.165)	0.082	0.016
216	18.00	0.13	0.097	(0.164)	0.082	0.016
217	18.08	0.13	0.097	(0.163)	0.082	0.016
218	18.17	0.13	0.097	(0.162)	0.082	0.016
219	18.25	0.13	0.097	(0.162)	0.082	0.016
220	18.33	0.13	0.097	(0.161)	0.082	0.016
221	18.42	0.13	0.097	(0.160)	0.082	0.016
222	18.50	0.13	0.097	(0.159)	0.082	0.016
223	18.58	0.10	0.073	(0.158)	0.061	0.012
224	18.67	0.10	0.073	(0.158)	0.061	0.012
225	18.75	0.10	0.073	(0.157)	0.061	0.012
226	18.83	0.07	0.049	(0.156)	0.041	0.008
227	18.92	0.07	0.049	(0.155)	0.041	0.008
228	19.00	0.07	0.049	(0.155)	0.041	0.008
229	19.08	0.10	0.073	(0.154)	0.061	0.012
230	19.17	0.10	0.073	(0.153)	0.061	0.012
231	19.25	0.10	0.073	(0.152)	0.061	0.012
232	19.33	0.13	0.097	(0.152)	0.082	0.016
233	19.42	0.13	0.097	(0.151)	0.082	0.016

234	19.50	0.13	0.097	(0.150)	0.082	0.016
235	19.58	0.10	0.073	(0.150)	0.061	0.012
236	19.67	0.10	0.073	(0.149)	0.061	0.012
237	19.75	0.10	0.073	(0.148)	0.061	0.012
238	19.83	0.07	0.049	(0.148)	0.041	0.008
239	19.92	0.07	0.049	(0.147)	0.041	0.008
240	20.00	0.07	0.049	(0.146)	0.041	0.008
241	20.08	0.10	0.073	(0.146)	0.061	0.012
242	20.17	0.10	0.073	(0.145)	0.061	0.012
243	20.25	0.10	0.073	(0.144)	0.061	0.012
244	20.33	0.10	0.073	(0.144)	0.061	0.012
245	20.42	0.10	0.073	(0.143)	0.061	0.012
246	20.50	0.10	0.073	(0.143)	0.061	0.012
247	20.58	0.10	0.073	(0.142)	0.061	0.012
248	20.67	0.10	0.073	(0.141)	0.061	0.012
249	20.75	0.10	0.073	(0.141)	0.061	0.012
250	20.83	0.07	0.049	(0.140)	0.041	0.008
251	20.92	0.07	0.049	(0.140)	0.041	0.008
252	21.00	0.07	0.049	(0.139)	0.041	0.008
253	21.08	0.10	0.073	(0.139)	0.061	0.012
254	21.17	0.10	0.073	(0.138)	0.061	0.012
255	21.25	0.10	0.073	(0.137)	0.061	0.012
256	21.33	0.07	0.049	(0.137)	0.041	0.008
257	21.42	0.07	0.049	(0.136)	0.041	0.008
258	21.50	0.07	0.049	(0.136)	0.041	0.008
259	21.58	0.10	0.073	(0.135)	0.061	0.012
260	21.67	0.10	0.073	(0.135)	0.061	0.012
261	21.75	0.10	0.073	(0.134)	0.061	0.012
262	21.83	0.07	0.049	(0.134)	0.041	0.008
263	21.92	0.07	0.049	(0.133)	0.041	0.008
264	22.00	0.07	0.049	(0.133)	0.041	0.008
265	22.08	0.10	0.073	(0.133)	0.061	0.012
266	22.17	0.10	0.073	(0.132)	0.061	0.012
267	22.25	0.10	0.073	(0.132)	0.061	0.012
268	22.33	0.07	0.049	(0.131)	0.041	0.008
269	22.42	0.07	0.049	(0.131)	0.041	0.008
270	22.50	0.07	0.049	(0.131)	0.041	0.008
271	22.58	0.07	0.049	(0.130)	0.041	0.008
272	22.67	0.07	0.049	(0.130)	0.041	0.008
273	22.75	0.07	0.049	(0.129)	0.041	0.008
274	22.83	0.07	0.049	(0.129)	0.041	0.008
275	22.92	0.07	0.049	(0.129)	0.041	0.008
276	23.00	0.07	0.049	(0.128)	0.041	0.008
277	23.08	0.07	0.049	(0.128)	0.041	0.008
278	23.17	0.07	0.049	(0.128)	0.041	0.008
279	23.25	0.07	0.049	(0.128)	0.041	0.008
280	23.33	0.07	0.049	(0.127)	0.041	0.008
281	23.42	0.07	0.049	(0.127)	0.041	0.008
282	23.50	0.07	0.049	(0.127)	0.041	0.008
283	23.58	0.07	0.049	(0.127)	0.041	0.008
284	23.67	0.07	0.049	(0.127)	0.041	0.008
285	23.75	0.07	0.049	(0.126)	0.041	0.008
286	23.83	0.07	0.049	(0.126)	0.041	0.008
287	23.92	0.07	0.049	(0.126)	0.041	0.008
288	24.00	0.07	0.049	(0.126)	0.041	0.008

(Loss Rate Not Used)

Sum = 100.0 Sum = 31.7

Flood volume = Effective rainfall 2.64(In)
times area 65.5(Ac.)/[(In)/(Ft.)] = 14.4(Ac.Ft)
Total soil loss = 3.44(In)

Total soil loss = 18.755(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 627816.2 Cubic Feet
Total soil loss = 816948.1 Cubic Feet

Peak flow rate of this hydrograph = 40.048(CFS)

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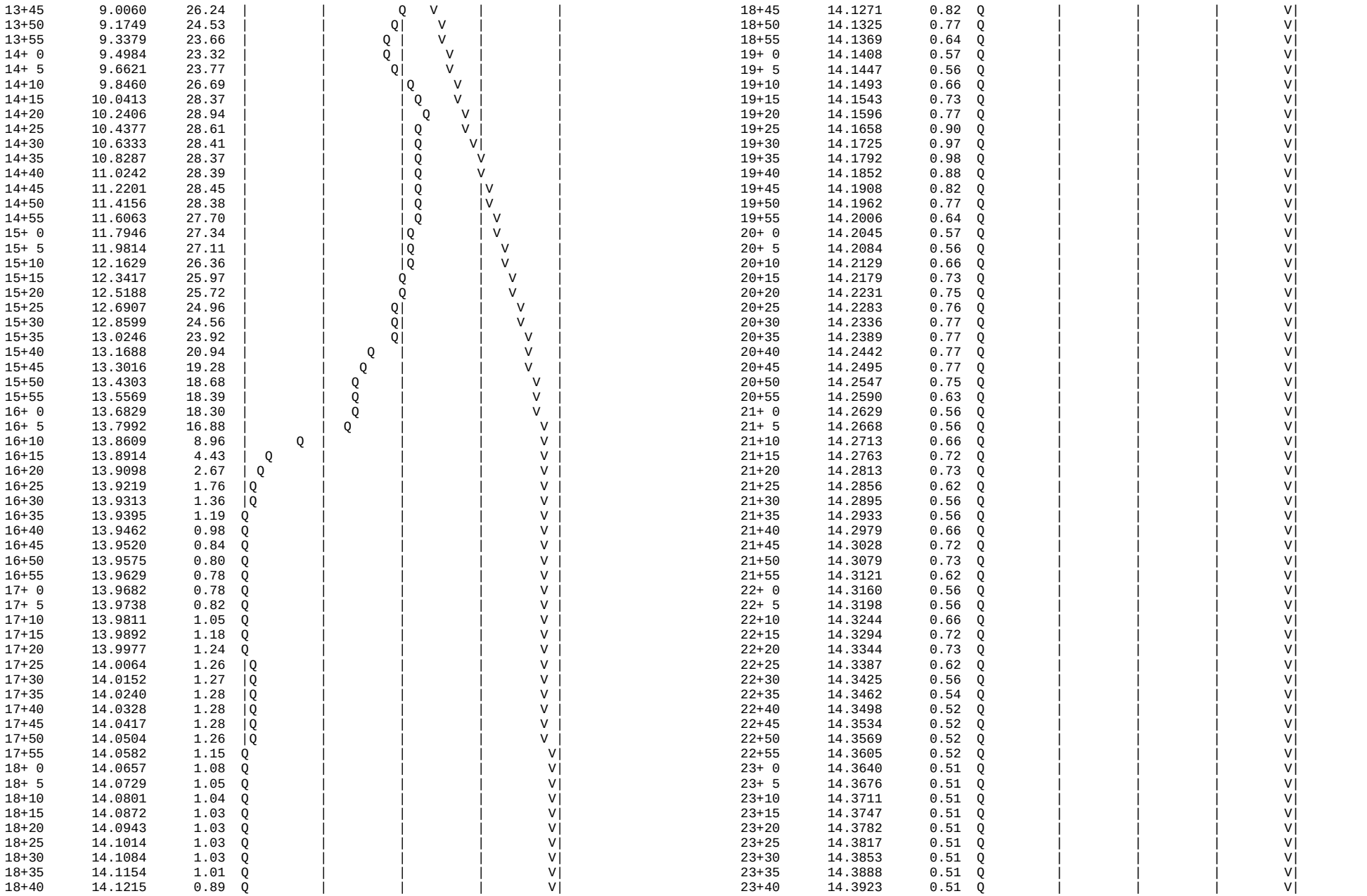
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0003	0.04	Q				
0+10	0.0022	0.28	Q				
0+15	0.0050	0.41	Q				
0+20	0.0084	0.49	Q				
0+25	0.0127	0.63	Q				
0+30	0.0176	0.71	Q				
0+35	0.0227	0.74	Q				
0+40	0.0279	0.76	Q				
0+45	0.0332	0.76	Q				
0+50	0.0386	0.79	Q				
0+55	0.0449	0.91	Q				
1+ 0	0.0516	0.98	Q				
1+ 5	0.0584	0.98	Q				
1+10	0.0644	0.88	Q				
1+15	0.0700	0.82	Q				
1+20	0.0755	0.79	Q				
1+25	0.0809	0.78	Q				
1+30	0.0862	0.78	Q				
1+35	0.0915	0.77	Q				
1+40	0.0969	0.77	Q				
1+45	0.1022	0.77	Q				
1+50	0.1076	0.79	Q				
1+55	0.1139	0.91	Q				
2+ 0	0.1206	0.98	Q				
2+ 5	0.1275	1.00	Q				
2+10	0.1345	1.02	Q				
2+15	0.1416	1.02	Q				
2+20	0.1486	1.02	Q				
2+25	0.1557	1.03	Q				
2+30	0.1628	1.03	Q				
2+35	0.1700	1.05	Q				
2+40	0.1780	1.17	Q				
2+45	0.1865	1.23	Q				
2+50	0.1952	1.26	VQ				
2+55	0.2039	1.27	VQ				
3+ 0	0.2128	1.28	VQ				
3+ 5	0.2216	1.28	VQ				
3+10	0.2304	1.28	VQ				
3+15	0.2393	1.28	VQ				
3+20	0.2481	1.28	VQ				
3+25	0.2569	1.28	VQ				
3+30	0.2658	1.28	VQ				
3+35	0.2746	1.28	VQ				
3+40	0.2835	1.28	VQ				



```
   23+45      14.3959      0.51  Q        |         |         |        V|
   23+50      14.3994      0.51  Q        |         |         |        V|
   23+55      14.4030      0.51  Q        |         |         |        V|
   24+ 0      14.4065      0.51  Q        |         |         |        V|
   24+ 5      14.4097      0.47  Q        |         |         |        V|
   24+10      14.4114      0.24  Q        |         |         |        V|
   24+15      14.4121      0.10  Q        |         |         |        V|
   24+20      14.4124      0.05  Q        |         |         |        V|
   24+25      14.4125      0.02  Q        |         |         |        V|
   24+30      14.4126      0.01  Q        |         |         |        V|
   24+35      14.4127      0.01  Q        |         |         |        V|
   24+40      14.4127      0.00  Q        |         |         |        V|
   24+45      14.4127      0.00  Q        |         |         |        V|
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AREA TRIBUTARY TO CP7

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae73100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 7
6/13/23

Drainage Area = 54.48(Ac.) = 0.085 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 54.48(Ac.) = 0.085 Sq. Mi.
Length along longest watercourse = 4440.00(Ft.)
Length along longest watercourse measured to centroid = 2077.00(Ft.)
Length along longest watercourse = 0.841 Mi.
Length along longest watercourse measured to centroid = 0.393 Mi.
Difference in elevation = 214.00(Ft.)
Slope along watercourse = 254.4865 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.193 Hr.
Lag time = 11.56 Min.
25% of lag time = 2.89 Min.
40% of lag time = 4.62 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
54.48	0.94	51.21

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
54.48	1.97	107.33

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.970(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
2.560	70.00	0.000
20.960	80.00	0.000
30.960	84.00	0.000

Total Area Entered = 54.48(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.047	0.017
80.0	80.0	0.244	0.000	0.244	0.385	0.094
84.0	84.0	0.198	0.000	0.198	0.568	0.113
					Sum (F) =	0.224

Area averaged mean soil loss (F) (In/Hr) = 0.224
Minimum soil loss rate ((In/Hr)) = 0.112
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	43.270	3.494	1.918
2	0.167	86.540	13.873	7.617
3	0.250	129.810	35.551	19.519
4	0.333	173.080	19.001	10.433
5	0.417	216.350	9.383	5.152
6	0.500	259.620	6.210	3.410
7	0.583	302.889	4.343	2.385
8	0.667	346.159	3.032	1.665
9	0.750	389.429	1.995	1.095
10	0.833	432.699	1.131	0.621
11	0.917	475.969	0.524	0.288
12	1.000	519.239	0.423	0.232
13	1.083	562.509	0.290	0.159
14	1.167	605.779	0.323	0.177
15	1.250	649.049	0.238	0.131
16	1.333	692.319	0.132	0.072
17	1.417	735.589	0.059	0.032
			Sum = 100.000	Sum= 54.906

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.224	(0.277)	0.084
2	0.17	1.30	0.307	0.224	(0.277)	0.084
3	0.25	1.10	0.260	0.224	(0.234)	0.036
4	0.33	1.50	0.355	0.224	(0.319)	0.131
5	0.42	1.50	0.355	0.224	(0.319)	0.131
6	0.50	1.80	0.425	0.224	(0.383)	0.202
7	0.58	1.50	0.355	0.224	(0.319)	0.131
8	0.67	1.80	0.425	0.224	(0.383)	0.202
9	0.75	1.80	0.425	0.224	(0.383)	0.202
10	0.83	1.50	0.355	0.224	(0.319)	0.131
11	0.92	1.60	0.378	0.224	(0.340)	0.155
12	1.00	1.80	0.425	0.224	(0.383)	0.202
13	1.08	2.20	0.520	0.224	(0.468)	0.296
14	1.17	2.20	0.520	0.224	(0.468)	0.296
15	1.25	2.20	0.520	0.224	(0.468)	0.296
16	1.33	2.00	0.473	0.224	(0.425)	0.249
17	1.42	2.60	0.614	0.224	(0.553)	0.391
18	1.50	2.70	0.638	0.224	(0.574)	0.414
19	1.58	2.40	0.567	0.224	(0.511)	0.344
20	1.67	2.70	0.638	0.224	(0.574)	0.414
21	1.75	3.30	0.780	0.224	(0.702)	0.556
22	1.83	3.10	0.733	0.224	(0.659)	0.509
23	1.92	2.90	0.685	0.224	(0.617)	0.462
24	2.00	3.00	0.709	0.224	(0.638)	0.485
25	2.08	3.10	0.733	0.224	(0.659)	0.509
26	2.17	4.20	0.993	0.224	(0.893)	0.769
27	2.25	5.00	1.182	0.224	(1.064)	0.958
28	2.33	3.50	0.827	0.224	(0.744)	0.604
29	2.42	6.80	1.607	0.224	(1.446)	1.384
30	2.50	7.30	1.725	0.224	(1.553)	1.502
31	2.58	8.20	1.938	0.224	(1.744)	1.714
32	2.67	5.90	1.394	0.224	(1.255)	1.171
33	2.75	2.00	0.473	0.224	(0.425)	0.249
34	2.83	1.80	0.425	0.224	(0.383)	0.202
35	2.92	1.80	0.425	0.224	(0.383)	0.202
36	3.00	0.60	0.142	(0.224)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.7

Flood volume = Effective rainfall 1.31(In)
times area 54.5(Ac.)/[(In)/(Ft.)] = 5.9(Ac.Ft)
Total soil loss = 0.66(In)
Total soil loss = 3.010(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 258403.8 Cubic Feet
Total soil loss = 131095.3 Cubic Feet

Peak flow rate of this hydrograph = 72.673(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	20.0	40.0	60.0	80.0
0+ 5	0.0011	0.16	Q				
0+10	0.0066	0.80	Q				
0+15	0.0227	2.34	VQ				
0+20	0.0436	3.03	VQ				
0+25	0.0661	3.26	VQ				
0+30	0.1008	5.04	V Q				
0+35	0.1447	6.38	V Q				
0+40	0.1986	7.83	V Q				
0+45	0.2539	8.03	V Q				
0+50	0.3166	9.10	V Q				
0+55	0.3810	9.35	V Q				
1+ 0	0.4404	8.62	V Q				
1+ 5	0.5033	9.14	VQ				
1+10	0.5778	10.82	V Q				
1+15	0.6684	13.15	V Q				
1+20	0.7666	14.27	V Q				
1+25	0.8687	14.82	V Q				
1+30	0.9750	15.44	VQ				
1+35	1.0995	18.07	V Q				
1+40	1.2344	19.58	VQ				
1+45	1.3718	19.96	Q				
1+50	1.5244	22.16	VQ				
1+55	1.6981	25.22	VQ				
2+ 0	1.8762	25.86	Q				
2+ 5	2.0529	25.66	QV				
2+10	2.2369	26.72	Q V				
2+15	2.4421	29.80	Q V				
2+20	2.6904	36.05	Q				
2+25	2.9759	41.46	Q				
2+30	3.2799	44.14	Q				
2+35	3.6858	58.92	V Q				
2+40	4.1641	69.45	V Q				
2+45	4.6646	72.67	V Q				
2+50	5.0793	60.22	Q V				
2+55	5.3503	39.34	Q				
3+ 0	5.5414	27.75	Q				
3+ 5	5.6836	20.65	Q				
3+10	5.7742	13.15	Q				
3+15	5.8305	8.18	Q				
3+20	5.8662	5.18	Q				
3+25	5.8884	3.23	Q				
3+30	5.9031	2.14	Q				
3+35	5.9135	1.51	Q				
3+40	5.9209	1.06	Q				
3+45	5.9259	0.74	Q				
3+50	5.9291	0.45	Q				
3+55	5.9307	0.24	Q				
4+ 0	5.9316	0.12	Q				
4+ 5	5.9319	0.05	Q				
4+10	5.9321	0.02	Q				
4+15	5.9321	0.01	Q				
4+20	5.9321	0.00	Q				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae76100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 7
6/13/23

Drainage Area = 54.48(Ac.) = 0.085 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 54.48(Ac.) = 0.085 Sq. Mi.
Length along longest watercourse = 4440.00(Ft.)
Length along longest watercourse measured to centroid = 2077.00(Ft.)
Length along longest watercourse = 0.841 Mi.
Length along longest watercourse measured to centroid = 0.393 Mi.
Difference in elevation = 214.00(Ft.)
Slope along watercourse = 254.4865 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.193 Hr.
Lag time = 11.56 Min.
25% of lag time = 2.89 Min.
40% of lag time = 4.62 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
54.48	1.35	73.55

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
54.48	2.78	151.45

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.779(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
2.560	70.00	0.000
20.960	80.00	0.000
30.960	84.00	0.000

Total Area Entered = 54.48(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.047	0.017
80.0	80.0	0.244	0.000	0.244	0.385	0.094
84.0	84.0	0.198	0.000	0.198	0.568	0.113
					Sum (F) =	0.224

Area averaged mean soil loss (F) (In/Hr) = 0.224
Minimum soil loss rate ((In/Hr)) = 0.112
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	43.270	3.494	1.918
2	0.167	86.540	13.873	7.617
3	0.250	129.810	35.551	19.519
4	0.333	173.080	19.001	10.433
5	0.417	216.350	9.383	5.152
6	0.500	259.620	6.210	3.410
7	0.583	302.889	4.343	2.385
8	0.667	346.159	3.032	1.665
9	0.750	389.429	1.995	1.095
10	0.833	432.699	1.131	0.621
11	0.917	475.969	0.524	0.288
12	1.000	519.239	0.423	0.232
13	1.083	562.509	0.290	0.159
14	1.167	605.779	0.323	0.177
15	1.250	649.049	0.238	0.131
16	1.333	692.319	0.132	0.072
17	1.417	735.589	0.059	0.032
			Sum = 100.000	Sum= 54.906

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.224)	0.150	0.017
2	0.17	0.60	0.200	(0.224)	0.180	0.020
3	0.25	0.60	0.200	(0.224)	0.180	0.020
4	0.33	0.60	0.200	(0.224)	0.180	0.020
5	0.42	0.60	0.200	(0.224)	0.180	0.020
6	0.50	0.70	0.233	(0.224)	0.210	0.023
7	0.58	0.70	0.233	(0.224)	0.210	0.023
8	0.67	0.70	0.233	(0.224)	0.210	0.023
9	0.75	0.70	0.233	(0.224)	0.210	0.023
10	0.83	0.70	0.233	(0.224)	0.210	0.023
11	0.92	0.70	0.233	(0.224)	0.210	0.023
12	1.00	0.80	0.267	0.224	(0.240)	0.043
13	1.08	0.80	0.267	0.224	(0.240)	0.043
14	1.17	0.80	0.267	0.224	(0.240)	0.043
15	1.25	0.80	0.267	0.224	(0.240)	0.043
16	1.33	0.80	0.267	0.224	(0.240)	0.043
17	1.42	0.80	0.267	0.224	(0.240)	0.043
18	1.50	0.80	0.267	0.224	(0.240)	0.043
19	1.58	0.80	0.267	0.224	(0.240)	0.043
20	1.67	0.80	0.267	0.224	(0.240)	0.043
21	1.75	0.80	0.267	0.224	(0.240)	0.043
22	1.83	0.80	0.267	0.224	(0.240)	0.043
23	1.92	0.80	0.267	0.224	(0.240)	0.043
24	2.00	0.90	0.300	0.224	(0.270)	0.077
25	2.08	0.80	0.267	0.224	(0.240)	0.043
26	2.17	0.90	0.300	0.224	(0.270)	0.077
27	2.25	0.90	0.300	0.224	(0.270)	0.077
28	2.33	0.90	0.300	0.224	(0.270)	0.077
29	2.42	0.90	0.300	0.224	(0.270)	0.077
30	2.50	0.90	0.300	0.224	(0.270)	0.077
31	2.58	0.90	0.300	0.224	(0.270)	0.077
32	2.67	0.90	0.300	0.224	(0.270)	0.077
33	2.75	1.00	0.334	0.224	(0.300)	0.110
34	2.83	1.00	0.334	0.224	(0.300)	0.110
35	2.92	1.00	0.334	0.224	(0.300)	0.110
36	3.00	1.00	0.334	0.224	(0.300)	0.110
37	3.08	1.00	0.334	0.224	(0.300)	0.110
38	3.17	1.10	0.367	0.224	(0.330)	0.143
39	3.25	1.10	0.367	0.224	(0.330)	0.143
40	3.33	1.10	0.367	0.224	(0.330)	0.143
41	3.42	1.20	0.400	0.224	(0.360)	0.177
42	3.50	1.30	0.434	0.224	(0.390)	0.210
43	3.58	1.40	0.467	0.224	(0.420)	0.243
44	3.67	1.40	0.467	0.224	(0.420)	0.243
45	3.75	1.50	0.500	0.224	(0.450)	0.277
46	3.83	1.50	0.500	0.224	(0.450)	0.277
47	3.92	1.60	0.534	0.224	(0.480)	0.310
48	4.00	1.60	0.534	0.224	(0.480)	0.310
49	4.08	1.70	0.567	0.224	(0.510)	0.343
50	4.17	1.80	0.600	0.224	(0.540)	0.377
51	4.25	1.90	0.634	0.224	(0.570)	0.410
52	4.33	2.00	0.667	0.224	(0.600)	0.443
53	4.42	2.10	0.700	0.224	(0.630)	0.477
54	4.50	2.10	0.700	0.224	(0.630)	0.477
55	4.58	2.20	0.734	0.224	(0.660)	0.510
56	4.67	2.30	0.767	0.224	(0.690)	0.544
57	4.75	2.40	0.800	0.224	(0.720)	0.577
58	4.83	2.40	0.800	0.224	(0.720)	0.577
59	4.92	2.50	0.834	0.224	(0.750)	0.610
60	5.00	2.60	0.867	0.224	(0.780)	0.644
61	5.08	3.10	1.034	0.224	(0.931)	0.810
62	5.17	3.60	1.201	0.224	(1.081)	0.977
63	5.25	3.90	1.301	0.224	(1.171)	1.077
64	5.33	4.20	1.401	0.224	(1.261)	1.177
65	5.42	4.70	1.568	0.224	(1.411)	1.344
66	5.50	5.60	1.868	0.224	(1.681)	1.644
67	5.58	1.90	0.634	0.224	(0.570)	0.410
68	5.67	0.90	0.300	0.224	(0.270)	0.077
69	5.75	0.60	0.200	(0.224)	0.180	0.020
70	5.83	0.50	0.167	(0.224)	0.150	0.017
71	5.92	0.30	0.100	(0.224)	0.090	0.010
72	6.00	0.20	0.067	(0.224)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 18.0

Flood volume = Effective rainfall 1.50(In)
times area 54.5(Ac.)/[(In)/(Ft.)] = 6.8(Ac.Ft)
Total soil loss = 1.28(In)
Total soil loss = 5.811(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 296564.2 Cubic Feet
Total soil loss = 253112.4 Cubic Feet

Peak flow rate of this hydrograph = 65.336(CFS)

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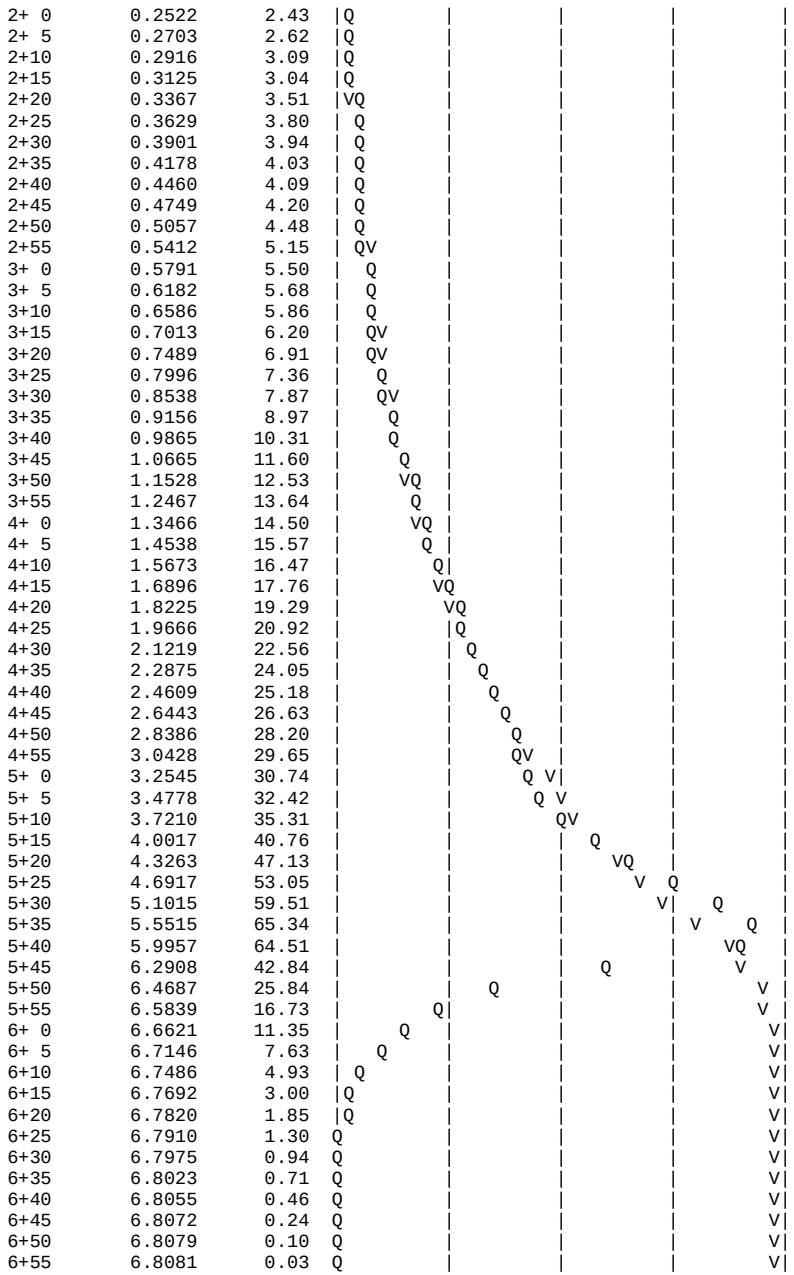
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	17.5	35.0	52.5	70.0
0+ 5	0.0002	0.03	Q				
0+10	0.0014	0.17	Q				
0+15	0.0049	0.52	Q				
0+20	0.0101	0.76	Q				
0+25	0.0162	0.88	Q				
0+30	0.0228	0.96	Q				
0+35	0.0299	1.03	Q				
0+40	0.0377	1.13	Q				
0+45	0.0459	1.19	Q				
0+50	0.0543	1.22	Q				
0+55	0.0629	1.24	Q				
1+ 0	0.0718	1.29	Q				
1+ 5	0.0818	1.45	Q				
1+10	0.0945	1.85	VQ				
1+15	0.1087	2.06	VQ				
1+20	0.1237	2.17	VQ				
1+25	0.1390	2.23	VQ				
1+30	0.1548	2.28	VQ				
1+35	0.1707	2.32	|Q				
1+40	0.1868	2.34	|Q				
1+45	0.2030	2.35	|Q				
1+50	0.2193	2.36	|Q				
1+55	0.2355	2.36	|Q				


2+ 0 0.2522 2.43
2+ 5 0.2703 2.62
2+10 0.2916 3.09
2+15 0.3125 3.04
2+20 0.3367 3.51
2+25 0.3629 3.80
2+30 0.3901 3.94
2+35 0.4178 4.03
2+40 0.4460 4.09
2+45 0.4749 4.20
2+50 0.5057 4.48
2+55 0.5412 5.15
3+ 0 0.5791 5.50
3+ 5 0.6182 5.68
3+10 0.6586 5.86
3+15 0.7013 6.20
3+20 0.7489 6.91
3+25 0.7996 7.36
3+30 0.8538 7.87
3+35 0.9156 8.97
3+40 0.9865 10.31
3+45 1.0665 11.60
3+50 1.1528 12.53
3+55 1.2467 13.64
4+ 0 1.3466 14.50
4+ 5 1.4538 15.57
4+10 1.5673 16.47
4+15 1.6896 17.76
4+20 1.8225 19.29
4+25 1.9666 20.92
4+30 2.1219 22.56
4+35 2.2875 24.05
4+40 2.4609 25.18
4+45 2.6443 26.63
4+50 2.8386 28.20
4+55 3.0428 29.65
5+ 0 3.2545 30.74
5+ 5 3.4778 32.42
5+10 3.7210 35.31
5+15 4.0017 40.76
5+20 4.3263 47.13
5+25 4.6917 53.05
5+30 5.1015 59.51
5+35 5.5515 65.34
5+40 5.9957 64.51
5+45 6.2908 42.84
5+50 6.4687 25.84
5+55 6.5839 16.73
6+ 0 6.6621 11.35
6+ 5 6.7146 7.63
6+10 6.7486 4.93
6+15 6.7692 3.00
6+20 6.7820 1.85
6+25 6.7910 1.30
6+30 6.7975 0.94
6+35 6.8023 0.71
6+40 6.8055 0.46
6+45 6.8072 0.24
6+50 6.8079 0.10
6+55 6.8081 0.03
7+ 0 6.8081 0.01
7+ 5 6.8082 0.00
7+10 6.8082 0.00
7+15 6.8082 0.00
7+20 6.8082 0.00

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae724100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 7
6/13/23

Drainage Area = 54.48(Ac.) = 0.085 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 54.48(Ac.) = 0.085 Sq. Mi.
Length along longest watercourse = 4440.00(Ft.)
Length along longest watercourse measured to centroid = 2077.00(Ft.)
Length along longest watercourse = 0.841 Mi.
Length along longest watercourse measured to centroid = 0.393 Mi.
Difference in elevation = 214.00(Ft.)
Slope along watercourse = 254.4865 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.193 Hr.
Lag time = 11.56 Min.
25% of lag time = 2.89 Min.
40% of lag time = 4.62 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
54.48	2.45	133.48

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
54.48	6.08	331.24

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.079(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
2.560	70.00	0.000
20.960	80.00	0.000
30.960	84.00	0.000

Total Area Entered = 54.48(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.047	0.017
80.0	80.0	0.244	0.000	0.244	0.385	0.094
84.0	84.0	0.198	0.000	0.198	0.568	0.113
					Sum (F) =	0.224

Area averaged mean soil loss (F) (In/Hr) = 0.224
Minimum soil loss rate ((In/Hr)) = 0.112
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	43.270	3.494	1.918
2	0.167	86.540	13.873	7.617
3	0.250	129.810	35.551	19.519
4	0.333	173.080	19.001	10.433
5	0.417	216.350	9.383	5.152
6	0.500	259.620	6.210	3.410
7	0.583	302.889	4.343	2.385
8	0.667	346.159	3.032	1.665
9	0.750	389.429	1.995	1.095
10	0.833	432.699	1.131	0.621
11	0.917	475.969	0.524	0.288
12	1.000	519.239	0.423	0.232
13	1.083	562.509	0.290	0.159
14	1.167	605.779	0.323	0.177
15	1.250	649.049	0.238	0.131
16	1.333	692.319	0.132	0.072
17	1.417	735.589	0.059	0.032
			Sum = 100.000	Sum= 54.906

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.396)	0.044	0.005
2	0.17	0.07	0.049	(0.395)	0.044	0.005
3	0.25	0.07	0.049	(0.393)	0.044	0.005
4	0.33	0.10	0.073	(0.392)	0.066	0.007
5	0.42	0.10	0.073	(0.390)	0.066	0.007
6	0.50	0.10	0.073	(0.389)	0.066	0.007
7	0.58	0.10	0.073	(0.387)	0.066	0.007
8	0.67	0.10	0.073	(0.386)	0.066	0.007
9	0.75	0.10	0.073	(0.384)	0.066	0.007
10	0.83	0.13	0.097	(0.383)	0.088	0.010
11	0.92	0.13	0.097	(0.381)	0.088	0.010
12	1.00	0.13	0.097	(0.380)	0.088	0.010
13	1.08	0.10	0.073	(0.378)	0.066	0.007
14	1.17	0.10	0.073	(0.377)	0.066	0.007
15	1.25	0.10	0.073	(0.375)	0.066	0.007
16	1.33	0.10	0.073	(0.374)	0.066	0.007
17	1.42	0.10	0.073	(0.372)	0.066	0.007
18	1.50	0.10	0.073	(0.371)	0.066	0.007
19	1.58	0.10	0.073	(0.369)	0.066	0.007
20	1.67	0.10	0.073	(0.368)	0.066	0.007
21	1.75	0.10	0.073	(0.366)	0.066	0.007
22	1.83	0.13	0.097	(0.365)	0.088	0.010
23	1.92	0.13	0.097	(0.363)	0.088	0.010
24	2.00	0.13	0.097	(0.362)	0.088	0.010
25	2.08	0.13	0.097	(0.360)	0.088	0.010
26	2.17	0.13	0.097	(0.359)	0.088	0.010
27	2.25	0.13	0.097	(0.358)	0.088	0.010
28	2.33	0.13	0.097	(0.356)	0.088	0.010
29	2.42	0.13	0.097	(0.355)	0.088	0.010
30	2.50	0.13	0.097	(0.353)	0.088	0.010
31	2.58	0.17	0.122	(0.352)	0.109	0.012
32	2.67	0.17	0.122	(0.350)	0.109	0.012
33	2.75	0.17	0.122	(0.349)	0.109	0.012
34	2.83	0.17	0.122	(0.347)	0.109	0.012
35	2.92	0.17	0.122	(0.346)	0.109	0.012
36	3.00	0.17	0.122	(0.345)	0.109	0.012
37	3.08	0.17	0.122	(0.343)	0.109	0.012
38	3.17	0.17	0.122	(0.342)	0.109	0.012
39	3.25	0.17	0.122	(0.340)	0.109	0.012
40	3.33	0.17	0.122	(0.339)	0.109	0.012
41	3.42	0.17	0.122	(0.337)	0.109	0.012
42	3.50	0.17	0.122	(0.336)	0.109	0.012
43	3.58	0.17	0.122	(0.335)	0.109	0.012
44	3.67	0.17	0.122	(0.333)	0.109	0.012
45	3.75	0.17	0.122	(0.332)	0.109	0.012
46	3.83	0.20	0.146	(0.330)	0.131	0.015
47	3.92	0.20	0.146	(0.329)	0.131	0.015
48	4.00	0.20	0.146	(0.328)	0.131	0.015
49	4.08	0.20	0.146	(0.326)	0.131	0.015
50	4.17	0.20	0.146	(0.325)	0.131	0.015
51	4.25	0.20	0.146	(0.323)	0.131	0.015
52	4.33	0.23	0.170	(0.322)	0.153	0.017
53	4.42	0.23	0.170	(0.321)	0.153	0.017
54	4.50	0.23	0.170	(0.319)	0.153	0.017
55	4.58	0.23	0.170	(0.318)	0.153	0.017
56	4.67	0.23	0.170	(0.317)	0.153	0.017
57	4.75	0.23	0.170	(0.315)	0.153	0.017
58	4.83	0.27	0.195	(0.314)	0.175	0.019
59	4.92	0.27	0.195	(0.313)	0.175	0.019
60	5.00	0.27	0.195	(0.311)	0.175	0.019
61	5.08	0.20	0.146	(0.310)	0.131	0.015
62	5.17	0.20	0.146	(0.308)	0.131	0.015
63	5.25	0.20	0.146	(0.307)	0.131	0.015
64	5.33	0.23	0.170	(0.306)	0.153	0.017
65	5.42	0.23	0.170	(0.304)	0.153	0.017
66	5.50	0.23	0.170	(0.303)	0.153	0.017
67	5.58	0.27	0.195	(0.302)	0.175	0.019
68	5.67	0.27	0.195	(0.300)	0.175	0.019
69	5.75	0.27	0.195	(0.299)	0.175	0.019
70	5.83	0.27	0.195	(0.298)	0.175	0.019
71	5.92	0.27	0.195	(0.297)	0.175	0.019
72	6.00	0.27	0.195	(0.295)	0.175	0.019
73	6.08	0.30	0.219	(0.294)	0.197	0.022
74	6.17	0.30	0.219	(0.293)	0.197	0.022
75	6.25	0.30	0.219	(0.291)	0.197	0.022
76	6.33	0.30	0.219	(0.290)	0.197	0.022
77	6.42	0.30	0.219	(0.289)	0.197	0.022
78	6.50	0.30	0.219	(0.287)	0.197	0.022
79	6.58	0.33	0.243	(0.286)	0.219	0.024
80	6.67	0.33	0.243	(0.285)	0.219	0.024
81	6.75	0.33	0.243	(0.284)	0.219	0.024
82	6.83	0.33	0.243	(0.282)	0.219	0.024
83	6.92	0.33	0.243	(0.281)	0.219	0.024
84	7.00	0.33	0.243	(0.280)	0.219	0.024
85	7.08	0.33	0.243	(0.278)	0.219	0.024
86	7.17	0.33	0.243	(0.277)	0.219	0.024
87	7.25	0.33	0.243	(0.276)	0.219	0.024
88	7.33	0.37	0.267	(0.275)	0.241	0.027
89	7.42	0.37	0.267	(0.273)	0.241	0.027
90	7.50	0.37	0.267	(0.272)	0.241	0.027
91	7.58	0.40	0.292	(0.271)	0.263	0.029
92	7.67	0.40	0.292	(0.270)	0.263	0.029
93	7.75	0.40	0.292	(0.268)	0.263	0.029
94	7.83	0.43	0.316	0.267	(0.285)	0.049
95	7.92	0.43	0.316	0.266	(0.285)	0.050
96	8.00	0.43	0.316	0.265	(0.285)	0.051
97	8.08	0.50	0.365	0.263	(0.328)	0.101
98	8.17	0.50	0.365	0.262	(0.328)	0.103
99	8.25	0.50	0.365	0.261	(0.328)	0.104
100	8.33	0.50	0.365	0.260	(0.328)	0.105
101	8.42	0.50	0.365	0.259	(0.328)	0.106
102	8.50	0.50	0.365	0.257	(0.328)	0.107
103	8.58	0.53	0.389	0.256	(0.350)	0.133
104	8.67	0.53	0.389	0.255	(0.350)	0.134
105	8.75	0.53	0.389	0.254	(0.350)	0.135
106	8.83	0.57	0.413	0.253	(0.372)	0.161
107	8.92	0.57	0.413	0.251	(0.372)	0.162
108	9.00	0.57	0.413	0.250	(0.372)	0.163
109	9.08	0.63	0.462	0.249	(0.416)	0.213
110	9.17	0.63	0.462	0.248	(0.416)	0.214
111	9.25	0.63	0.462	0.247	(0.416)	0.215
112	9.33	0.67	0.486	0.245	(0.438)	0.241
113	9.42	0.67	0.486	0.244	(0.438)	0.242
114	9.50	0.67	0.486	0.243	(0.438)	0.243
115	9.58	0.70	0.511	0.242	(0.460)	0.269
116	9.67	0.70	0.511	0.241	(0.460)	0.270

117	9.75	0.70	0.511	0.240	(0.460)	0.271	177	14.75	0.87	0.632	0.177	(0.569)	0.455
118	9.83	0.73	0.535	0.238	(0.481)	0.297	178	14.83	0.83	0.608	0.176	(0.547)	0.431
119	9.92	0.73	0.535	0.237	(0.481)	0.298	179	14.92	0.83	0.608	0.176	(0.547)	0.432
120	10.00	0.73	0.535	0.236	(0.481)	0.299	180	15.00	0.83	0.608	0.175	(0.547)	0.433
121	10.08	0.50	0.365	0.235	(0.328)	0.130	181	15.08	0.80	0.584	0.174	(0.525)	0.410
122	10.17	0.50	0.365	0.234	(0.328)	0.131	182	15.17	0.80	0.584	0.173	(0.525)	0.411
123	10.25	0.50	0.365	0.233	(0.328)	0.132	183	15.25	0.80	0.584	0.172	(0.525)	0.412
124	10.33	0.50	0.365	0.232	(0.328)	0.133	184	15.33	0.77	0.559	0.171	(0.503)	0.388
125	10.42	0.50	0.365	0.230	(0.328)	0.134	185	15.42	0.77	0.559	0.170	(0.503)	0.389
126	10.50	0.50	0.365	0.229	(0.328)	0.135	186	15.50	0.77	0.559	0.169	(0.503)	0.390
127	10.58	0.67	0.486	0.228	(0.438)	0.258	187	15.58	0.63	0.462	0.168	(0.416)	0.294
128	10.67	0.67	0.486	0.227	(0.438)	0.259	188	15.67	0.63	0.462	0.168	(0.416)	0.294
129	10.75	0.67	0.486	0.226	(0.438)	0.260	189	15.75	0.63	0.462	0.167	(0.416)	0.295
130	10.83	0.67	0.486	0.225	(0.438)	0.261	190	15.83	0.63	0.462	0.166	(0.416)	0.296
131	10.92	0.67	0.486	0.224	(0.438)	0.263	191	15.92	0.63	0.462	0.165	(0.416)	0.297
132	11.00	0.67	0.486	0.223	(0.438)	0.264	192	16.00	0.63	0.462	0.164	(0.416)	0.298
133	11.08	0.63	0.462	0.222	(0.416)	0.240	193	16.08	0.13	0.097	(0.163)	0.088	0.010
134	11.17	0.63	0.462	0.221	(0.416)	0.242	194	16.17	0.13	0.097	(0.163)	0.088	0.010
135	11.25	0.63	0.462	0.219	(0.416)	0.243	195	16.25	0.13	0.097	(0.162)	0.088	0.010
136	11.33	0.63	0.462	0.218	(0.416)	0.244	196	16.33	0.13	0.097	(0.161)	0.088	0.010
137	11.42	0.63	0.462	0.217	(0.416)	0.245	197	16.42	0.13	0.097	(0.160)	0.088	0.010
138	11.50	0.63	0.462	0.216	(0.416)	0.246	198	16.50	0.13	0.097	(0.159)	0.088	0.010
139	11.58	0.57	0.413	0.215	(0.372)	0.198	199	16.58	0.10	0.073	(0.158)	0.066	0.007
140	11.67	0.57	0.413	0.214	(0.372)	0.199	200	16.67	0.10	0.073	(0.158)	0.066	0.007
141	11.75	0.57	0.413	0.213	(0.372)	0.200	201	16.75	0.10	0.073	(0.157)	0.066	0.007
142	11.83	0.60	0.438	0.212	(0.394)	0.226	202	16.83	0.10	0.073	(0.156)	0.066	0.007
143	11.92	0.60	0.438	0.211	(0.394)	0.227	203	16.92	0.10	0.073	(0.155)	0.066	0.007
144	12.00	0.60	0.438	0.210	(0.394)	0.228	204	17.00	0.10	0.073	(0.154)	0.066	0.007
145	12.08	0.83	0.608	0.209	(0.547)	0.399	205	17.08	0.17	0.122	(0.154)	0.109	0.012
146	12.17	0.83	0.608	0.208	(0.547)	0.400	206	17.17	0.17	0.122	(0.153)	0.109	0.012
147	12.25	0.83	0.608	0.207	(0.547)	0.401	207	17.25	0.17	0.122	(0.152)	0.109	0.012
148	12.33	0.87	0.632	0.206	(0.569)	0.427	208	17.33	0.17	0.122	(0.151)	0.109	0.012
149	12.42	0.87	0.632	0.205	(0.569)	0.428	209	17.42	0.17	0.122	(0.151)	0.109	0.012
150	12.50	0.87	0.632	0.204	(0.569)	0.429	210	17.50	0.17	0.122	(0.150)	0.109	0.012
151	12.58	0.93	0.681	0.203	(0.613)	0.478	211	17.58	0.17	0.122	(0.149)	0.109	0.012
152	12.67	0.93	0.681	0.202	(0.613)	0.479	212	17.67	0.17	0.122	(0.148)	0.109	0.012
153	12.75	0.93	0.681	0.201	(0.613)	0.480	213	17.75	0.17	0.122	(0.148)	0.109	0.012
154	12.83	0.97	0.705	0.199	(0.635)	0.506	214	17.83	0.13	0.097	(0.147)	0.088	0.010
155	12.92	0.97	0.705	0.198	(0.635)	0.507	215	17.92	0.13	0.097	(0.146)	0.088	0.010
156	13.00	0.97	0.705	0.197	(0.635)	0.508	216	18.00	0.13	0.097	(0.145)	0.088	0.010
157	13.08	1.13	0.827	0.196	(0.744)	0.630	217	18.08	0.13	0.097	(0.145)	0.088	0.010
158	13.17	1.13	0.827	0.195	(0.744)	0.631	218	18.17	0.13	0.097	(0.144)	0.088	0.010
159	13.25	1.13	0.827	0.194	(0.744)	0.632	219	18.25	0.13	0.097	(0.143)	0.088	0.010
160	13.33	1.13	0.827	0.194	(0.744)	0.633	220	18.33	0.13	0.097	(0.143)	0.088	0.010
161	13.42	1.13	0.827	0.193	(0.744)	0.634	221	18.42	0.13	0.097	(0.142)	0.088	0.010
162	13.50	1.13	0.827	0.192	(0.744)	0.635	222	18.50	0.13	0.097	(0.141)	0.088	0.010
163	13.58	0.77	0.559	0.191	(0.503)	0.369	223	18.58	0.10	0.073	(0.141)	0.066	0.007
164	13.67	0.77	0.559	0.190	(0.503)	0.370	224	18.67	0.10	0.073	(0.140)	0.066	0.007
165	13.75	0.77	0.559	0.189	(0.503)	0.371	225	18.75	0.10	0.073	(0.139)	0.066	0.007
166	13.83	0.77	0.559	0.188	(0.503)	0.372	226	18.83	0.07	0.049	(0.139)	0.044	0.005
167	13.92	0.77	0.559	0.187	(0.503)	0.373	227	18.92	0.07	0.049	(0.138)	0.044	0.005
168	14.00	0.77	0.559	0.186	(0.503)	0.374	228	19.00	0.07	0.049	(0.137)	0.044	0.005
169	14.08	0.90	0.657	0.185	(0.591)	0.472	229	19.08	0.10	0.073	(0.137)	0.066	0.007
170	14.17	0.90	0.657	0.184	(0.591)	0.473	230	19.17	0.10	0.073	(0.136)	0.066	0.007
171	14.25	0.90	0.657	0.183	(0.591)	0.474	231	19.25	0.10	0.073	(0.135)	0.066	0.007
172	14.33	0.87	0.632	0.182	(0.569)	0.450	232	19.33	0.13	0.097	(0.135)	0.088	0.010
173	14.42	0.87	0.632	0.181	(0.569)	0.451	233	19.42	0.13	0.097	(0.134)	0.088	0.010
174	14.50	0.87	0.632	0.180	(0.569)	0.452	234	19.50	0.13	0.097	(0.133)	0.088	0.010
175	14.58	0.87	0.632	0.179	(0.569)	0.453	235	19.58	0.10	0.073	(0.133)	0.066	0.007
176	14.67	0.87	0.632	0.178	(0.569)	0.454	236	19.67	0.10	0.073	(0.132)	0.066	0.007

237	19.75	0.10	0.073	(0.132)	0.066	0.007
238	19.83	0.07	0.049	(0.131)	0.044	0.005
239	19.92	0.07	0.049	(0.130)	0.044	0.005
240	20.00	0.07	0.049	(0.130)	0.044	0.005
241	20.08	0.10	0.073	(0.129)	0.066	0.007
242	20.17	0.10	0.073	(0.129)	0.066	0.007
243	20.25	0.10	0.073	(0.128)	0.066	0.007
244	20.33	0.10	0.073	(0.128)	0.066	0.007
245	20.42	0.10	0.073	(0.127)	0.066	0.007
246	20.50	0.10	0.073	(0.127)	0.066	0.007
247	20.58	0.10	0.073	(0.126)	0.066	0.007
248	20.67	0.10	0.073	(0.125)	0.066	0.007
249	20.75	0.10	0.073	(0.125)	0.066	0.007
250	20.83	0.07	0.049	(0.124)	0.044	0.005
251	20.92	0.07	0.049	(0.124)	0.044	0.005
252	21.00	0.07	0.049	(0.123)	0.044	0.005
253	21.08	0.10	0.073	(0.123)	0.066	0.007
254	21.17	0.10	0.073	(0.122)	0.066	0.007
255	21.25	0.10	0.073	(0.122)	0.066	0.007
256	21.33	0.07	0.049	(0.122)	0.044	0.005
257	21.42	0.07	0.049	(0.121)	0.044	0.005
258	21.50	0.07	0.049	(0.121)	0.044	0.005
259	21.58	0.10	0.073	(0.120)	0.066	0.007
260	21.67	0.10	0.073	(0.120)	0.066	0.007
261	21.75	0.10	0.073	(0.119)	0.066	0.007
262	21.83	0.07	0.049	(0.119)	0.044	0.005
263	21.92	0.07	0.049	(0.118)	0.044	0.005
264	22.00	0.07	0.049	(0.118)	0.044	0.005
265	22.08	0.10	0.073	(0.118)	0.066	0.007
266	22.17	0.10	0.073	(0.117)	0.066	0.007
267	22.25	0.10	0.073	(0.117)	0.066	0.007
268	22.33	0.07	0.049	(0.117)	0.044	0.005
269	22.42	0.07	0.049	(0.116)	0.044	0.005
270	22.50	0.07	0.049	(0.116)	0.044	0.005
271	22.58	0.07	0.049	(0.116)	0.044	0.005
272	22.67	0.07	0.049	(0.115)	0.044	0.005
273	22.75	0.07	0.049	(0.115)	0.044	0.005
274	22.83	0.07	0.049	(0.115)	0.044	0.005
275	22.92	0.07	0.049	(0.114)	0.044	0.005
276	23.00	0.07	0.049	(0.114)	0.044	0.005
277	23.08	0.07	0.049	(0.114)	0.044	0.005
278	23.17	0.07	0.049	(0.113)	0.044	0.005
279	23.25	0.07	0.049	(0.113)	0.044	0.005
280	23.33	0.07	0.049	(0.113)	0.044	0.005
281	23.42	0.07	0.049	(0.113)	0.044	0.005
282	23.50	0.07	0.049	(0.113)	0.044	0.005
283	23.58	0.07	0.049	(0.112)	0.044	0.005
284	23.67	0.07	0.049	(0.112)	0.044	0.005
285	23.75	0.07	0.049	(0.112)	0.044	0.005
286	23.83	0.07	0.049	(0.112)	0.044	0.005
287	23.92	0.07	0.049	(0.112)	0.044	0.005
288	24.00	0.07	0.049	(0.112)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 33.0

Flood volume = Effective rainfall 2.75(In)
times area 54.5(Ac.)/[(In)/(Ft.)] = 12.5(Ac.Ft)
Total soil loss = 3.33(In)
Total soil loss = 15.113(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 543951.5 Cubic Feet

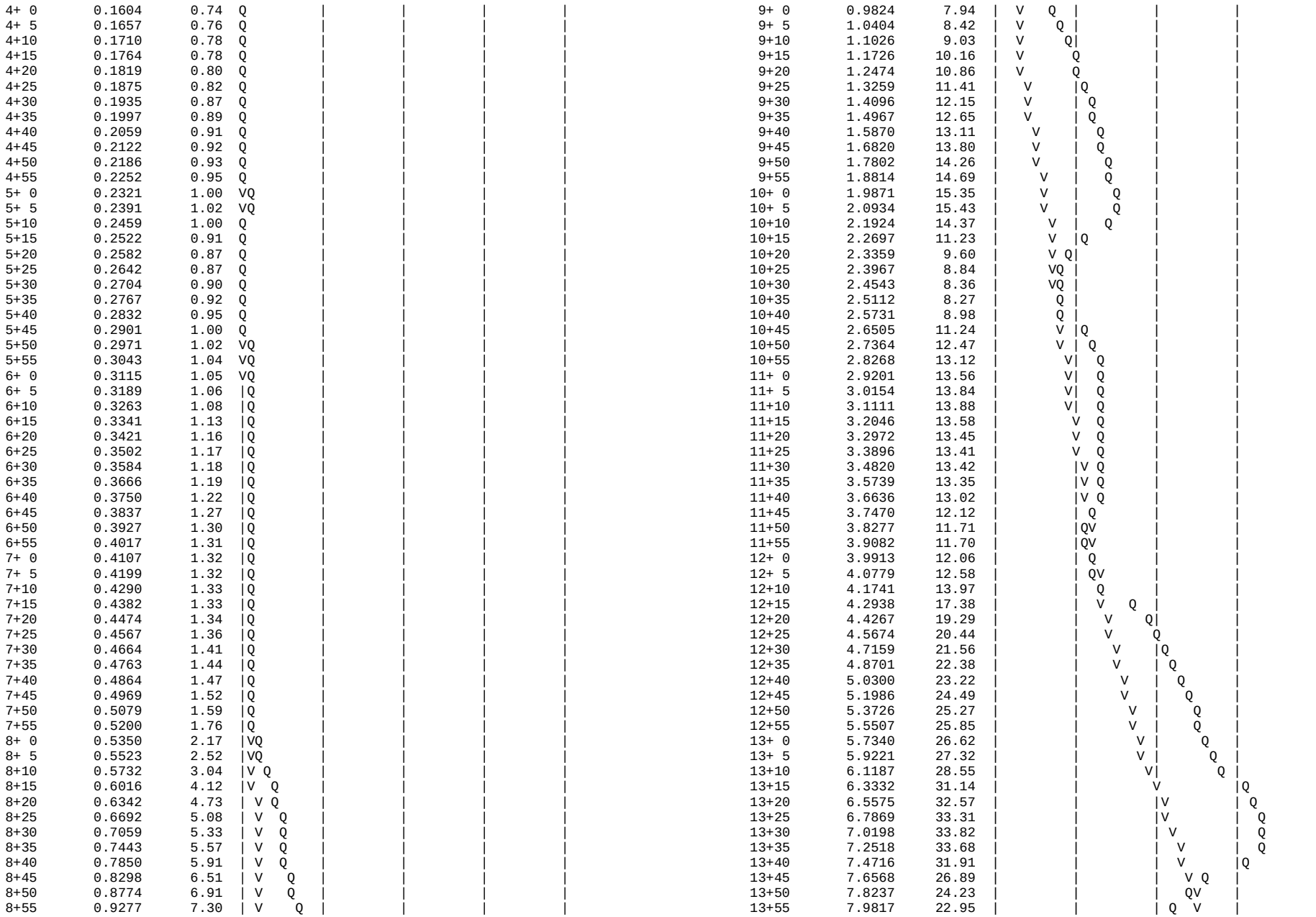
Total soil loss = 658316.0 Cubic Feet

Peak flow rate of this hydrograph = 33.824(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0001	0.01	Q	|	|	|	|
0+10	0.0004	0.05	Q	|	|	|	|
0+15	0.0014	0.14	Q	|	|	|	|
0+20	0.0027	0.20	Q	|	|	|	|
0+25	0.0044	0.24	Q	|	|	|	|
0+30	0.0065	0.30	Q	|	|	|	|
0+35	0.0088	0.34	Q	|	|	|	|
0+40	0.0113	0.36	Q	|	|	|	|
0+45	0.0139	0.38	Q	|	|	|	|
0+50	0.0166	0.39	Q	|	|	|	|
0+55	0.0194	0.41	Q	|	|	|	|
1+ 0	0.0226	0.46	Q	|	|	|	|
1+ 5	0.0260	0.49	Q	|	|	|	|
1+10	0.0293	0.48	Q	|	|	|	|
1+15	0.0324	0.45	Q	|	|	|	|
1+20	0.0353	0.43	Q	|	|	|	|
1+25	0.0382	0.42	Q	|	|	|	|
1+30	0.0410	0.41	Q	|	|	|	|
1+35	0.0439	0.41	Q	|	|	|	|
1+40	0.0466	0.41	Q	|	|	|	|
1+45	0.0494	0.40	Q	|	|	|	|
1+50	0.0522	0.41	Q	|	|	|	|
1+55	0.0552	0.43	Q	|	|	|	|
2+ 0	0.0584	0.47	Q	|	|	|	|
2+ 5	0.0618	0.50	Q	|	|	|	|
2+10	0.0654	0.51	Q	|	|	|	|
2+15	0.0689	0.52	Q	|	|	|	|
2+20	0.0725	0.52	Q	|	|	|	|
2+25	0.0762	0.53	Q	|	|	|	|
2+30	0.0798	0.53	Q	|	|	|	|
2+35	0.0835	0.54	Q	|	|	|	|
2+40	0.0873	0.56	Q	|	|	|	|
2+45	0.0915	0.60	Q	|	|	|	|
2+50	0.0958	0.63	Q	|	|	|	|
2+55	0.1002	0.64	Q	|	|	|	|
3+ 0	0.1047	0.65	Q	|	|	|	|
3+ 5	0.1093	0.66	Q	|	|	|	|
3+10	0.1138	0.66	Q	|	|	|	|
3+15	0.1184	0.66	Q	|	|	|	|
3+20	0.1230	0.67	Q	|	|	|	|
3+25	0.1275	0.67	Q	|	|	|	|
3+30	0.1321	0.67	Q	|	|	|	|
3+35	0.1367	0.67	Q	|	|	|	|
3+40	0.1413	0.67	Q	|	|	|	|
3+45	0.1459	0.67	Q	|	|	|	|
3+50	0.1506	0.67	Q	|	|	|	|
3+55	0.1553	0.69	Q	|	|	|	|



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   24+ 0      12.4817      0.27  Q         |         |         |        V|
   24+ 5      12.4835      0.26  Q         |         |         |        V|
   24+10      12.4850      0.22  Q         |         |         |        V|
   24+15      12.4859      0.13  Q         |         |         |        V|
   24+20      12.4864      0.08  Q         |         |         |        V|
   24+25      12.4868      0.05  Q         |         |         |        V|
   24+30      12.4870      0.03  Q         |         |         |        V|
   24+35      12.4871      0.02  Q         |         |         |        V|
   24+40      12.4872      0.01  Q         |         |         |        V|
   24+45      12.4873      0.01  Q         |         |         |        V|
   24+50      12.4873      0.01  Q         |         |         |        V|
   24+55      12.4874      0.00  Q         |         |         |        V|
   25+ 0      12.4874      0.00  Q         |         |         |        V|
   25+ 5      12.4874      0.00  Q         |         |         |        V|
   25+10      12.4874      0.00  Q         |         |         |        V|
   25+15      12.4874      0.00  Q         |         |         |        V|
   25+20      12.4874      0.00  Q         |         |         |         V
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AREA TRIBUTARY TO CP8

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 06/13/23 File: mesae83100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 8
6/13/23

Drainage Area = 33.90(Ac.) = 0.053 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 33.90(Ac.) = 0.053 Sq. Mi.
Length along longest watercourse = 2445.00(Ft.)
Length along longest watercourse measured to centroid = 1269.00(Ft.)
Length along longest watercourse = 0.463 Mi.
Length along longest watercourse measured to centroid = 0.240 Mi.
Difference in elevation = 152.00(Ft.)
Slope along watercourse = 328.2454 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.121 Hr.
Lag time = 7.28 Min.
25% of lag time = 1.82 Min.
40% of lag time = 2.91 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
33.90	0.94	31.87

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
33.90	1.97	66.78

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.970(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
0.000	70.00	0.000
10.670	80.00	0.000
23.230	84.00	0.000

Total Area Entered = 33.90(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.000	0.000
80.0	80.0	0.244	0.000	0.244	0.315	0.077
84.0	84.0	0.198	0.000	0.198	0.685	0.136
					Sum (F) =	0.213

Area averaged mean soil loss (F) (In/Hr) = 0.213
Minimum soil loss rate ((In/Hr)) = 0.106
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	68.700	6.939	2.371
2	0.167	137.400	39.968	13.655
3	0.250	206.100	29.683	10.141
4	0.333	274.801	11.093	3.790
5	0.417	343.501	6.188	2.114
6	0.500	412.201	3.302	1.128
7	0.583	480.901	1.271	0.434
8	0.667	549.601	0.636	0.217
9	0.750	618.301	0.481	0.164
10	0.833	687.001	0.329	0.112
11	0.917	755.702	0.109	0.037
			Sum = 100.000	Sum= 34.165

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)		Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.213	(0.277)	0.095
2	0.17	1.30	0.307	0.213	(0.277)	0.095

3	0.25	1.10	0.260	0.213	(0.234)	0.047
4	0.33	1.50	0.355	0.213	(0.319)	0.142
5	0.42	1.50	0.355	0.213	(0.319)	0.142
6	0.50	1.80	0.425	0.213	(0.383)	0.213
7	0.58	1.50	0.355	0.213	(0.319)	0.142
8	0.67	1.80	0.425	0.213	(0.383)	0.213
9	0.75	1.80	0.425	0.213	(0.383)	0.213
10	0.83	1.50	0.355	0.213	(0.319)	0.142
11	0.92	1.60	0.378	0.213	(0.340)	0.165
12	1.00	1.80	0.425	0.213	(0.383)	0.213
13	1.08	2.20	0.520	0.213	(0.468)	0.307
14	1.17	2.20	0.520	0.213	(0.468)	0.307
15	1.25	2.20	0.520	0.213	(0.468)	0.307
16	1.33	2.00	0.473	0.213	(0.425)	0.260
17	1.42	2.60	0.615	0.213	(0.553)	0.402
18	1.50	2.70	0.638	0.213	(0.574)	0.425
19	1.58	2.40	0.567	0.213	(0.511)	0.355
20	1.67	2.70	0.638	0.213	(0.574)	0.425
21	1.75	3.30	0.780	0.213	(0.702)	0.567
22	1.83	3.10	0.733	0.213	(0.659)	0.520
23	1.92	2.90	0.685	0.213	(0.617)	0.473
24	2.00	3.00	0.709	0.213	(0.638)	0.496
25	2.08	3.10	0.733	0.213	(0.659)	0.520
26	2.17	4.20	0.993	0.213	(0.893)	0.780
27	2.25	5.00	1.182	0.213	(1.064)	0.969
28	2.33	3.50	0.827	0.213	(0.745)	0.615
29	2.42	6.80	1.607	0.213	(1.447)	1.395
30	2.50	7.30	1.725	0.213	(1.553)	1.513
31	2.58	8.20	1.938	0.213	(1.744)	1.725
32	2.67	5.90	1.395	0.213	(1.255)	1.182
33	2.75	2.00	0.473	0.213	(0.425)	0.260
34	2.83	1.80	0.425	0.213	(0.383)	0.213
35	2.92	1.80	0.425	0.213	(0.383)	0.213
36	3.00	0.60	0.142	(0.213)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.1

Flood volume = Effective rainfall 1.34(In)
times area 33.9(Ac.)/[(In)/(Ft.)] = 3.8(Ac.Ft)
Total soil loss = 0.63(In)
Total soil loss = 1.783(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 164717.1 Cubic Feet
Total soil loss = 77669.2 Cubic Feet

Peak flow rate of this hydrograph = 50.013(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	15.0	30.0	45.0	60.0
0+ 5	0.0015	0.22	Q				
0+10	0.0120	1.52	VQ				
0+15	0.0283	2.36	VQ				
0+20	0.0441	2.30	VQ				
0+25	0.0669	3.31	V Q				
0+30	0.0970	4.37	VQ				
0+35	0.1346	5.47	V Q				
0+40	0.1729	5.55	V Q				
0+45	0.2154	6.17	V Q				
0+50	0.2611	6.65	V Q				
0+55	0.3021	5.95	Q				
1+ 0	0.3419	5.78	Q				
1+ 5	0.3880	6.69	Q				
1+10	0.4460	8.43	VQ				
1+15	0.5118	9.55	VQ				
1+20	0.5800	9.90	Q				
1+25	0.6478	9.84	Q				
1+30	0.7269	11.48	Q				
1+35	0.8160	12.94	Q				
1+40	0.9045	12.85	QV				
1+45	0.9995	13.79	QV				
1+50	1.1115	16.27	QV				
1+55	1.2297	17.15	Q V				
2+ 0	1.3448	16.72	Q V				
2+ 5	1.4606	16.82	Q V				
2+10	1.5840	17.91	Q V				
2+15	1.7366	22.16	Q V				
2+20	1.9201	26.64	Q V				
2+25	2.1035	26.63	Q V				
2+30	2.3464	35.27	QV				
2+35	2.6540	44.66	VQ				
2+40	2.9984	50.01	V Q				
2+45	3.3042	44.40	Q V				
2+50	3.4973	28.05	Q V				
2+55	3.6137	16.89	Q V				
3+ 0	3.6945	11.73	Q V				
3+ 5	3.7389	6.46	Q V				
3+10	3.7597	3.01	Q V				
3+15	3.7708	1.62	Q V				
3+20	3.7768	0.86	Q V				
3+25	3.7795	0.39	Q V				
3+30	3.7806	0.16	Q V				
3+35	3.7811	0.07	Q V				
3+40	3.7813	0.03	Q V				
3+45	3.7814	0.01	Q V				
3+50	3.7814	0.00	Q V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae86100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 8
6/13/23

Drainage Area = 33.90(Ac.) = 0.053 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 33.90(Ac.) = 0.053 Sq. Mi.
Length along longest watercourse = 2445.00(Ft.)
Length along longest watercourse measured to centroid = 1269.00(Ft.)
Length along longest watercourse = 0.463 Mi.
Length along longest watercourse measured to centroid = 0.240 Mi.
Difference in elevation = 152.00(Ft.)
Slope along watercourse = 328.2454 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.121 Hr.
Lag time = 7.28 Min.
25% of lag time = 1.82 Min.
40% of lag time = 2.91 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
33.90	1.35	45.77

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
33.90	2.78	94.24

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.780(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
0.000	70.00	0.000
10.670	80.00	0.000
23.230	84.00	0.000

Total Area Entered = 33.90(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.000	0.000
80.0	80.0	0.244	0.000	0.244	0.315	0.077
84.0	84.0	0.198	0.000	0.198	0.685	0.136
					Sum (F) =	0.213

Area averaged mean soil loss (F) (In/Hr) = 0.213
Minimum soil loss rate ((In/Hr)) = 0.106
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	68.700	6.939	2.371
2	0.167	137.400	39.968	13.655
3	0.250	206.100	29.683	10.141
4	0.333	274.801	11.093	3.790
5	0.417	343.501	6.188	2.114
6	0.500	412.201	3.302	1.128
7	0.583	480.901	1.271	0.434
8	0.667	549.601	0.636	0.217
9	0.750	618.301	0.481	0.164
10	0.833	687.001	0.329	0.112
11	0.917	755.702	0.109	0.037
			Sum = 100.000	Sum= 34.165

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.213)	0.150	0.017
2	0.17	0.60	0.200	(0.213)	0.180	0.020

3	0.25	0.60	0.200	(0.213)	0.180	0.020
4	0.33	0.60	0.200	(0.213)	0.180	0.020
5	0.42	0.60	0.200	(0.213)	0.180	0.020
6	0.50	0.70	0.233	(0.213)	0.210	0.023
7	0.58	0.70	0.233	(0.213)	0.210	0.023
8	0.67	0.70	0.233	(0.213)	0.210	0.023
9	0.75	0.70	0.233	(0.213)	0.210	0.023
10	0.83	0.70	0.233	(0.213)	0.210	0.023
11	0.92	0.70	0.233	(0.213)	0.210	0.023
12	1.00	0.80	0.267	0.213 (0.240)		0.054
13	1.08	0.80	0.267	0.213 (0.240)		0.054
14	1.17	0.80	0.267	0.213 (0.240)		0.054
15	1.25	0.80	0.267	0.213 (0.240)		0.054
16	1.33	0.80	0.267	0.213 (0.240)		0.054
17	1.42	0.80	0.267	0.213 (0.240)		0.054
18	1.50	0.80	0.267	0.213 (0.240)		0.054
19	1.58	0.80	0.267	0.213 (0.240)		0.054
20	1.67	0.80	0.267	0.213 (0.240)		0.054
21	1.75	0.80	0.267	0.213 (0.240)		0.054
22	1.83	0.80	0.267	0.213 (0.240)		0.054
23	1.92	0.80	0.267	0.213 (0.240)		0.054
24	2.00	0.90	0.300	0.213 (0.270)		0.087
25	2.08	0.80	0.267	0.213 (0.240)		0.054
26	2.17	0.90	0.300	0.213 (0.270)		0.087
27	2.25	0.90	0.300	0.213 (0.270)		0.087
28	2.33	0.90	0.300	0.213 (0.270)		0.087
29	2.42	0.90	0.300	0.213 (0.270)		0.087
30	2.50	0.90	0.300	0.213 (0.270)		0.087
31	2.58	0.90	0.300	0.213 (0.270)		0.087
32	2.67	0.90	0.300	0.213 (0.270)		0.087
33	2.75	1.00	0.334	0.213 (0.300)		0.121
34	2.83	1.00	0.334	0.213 (0.300)		0.121
35	2.92	1.00	0.334	0.213 (0.300)		0.121
36	3.00	1.00	0.334	0.213 (0.300)		0.121
37	3.08	1.00	0.334	0.213 (0.300)		0.121
38	3.17	1.10	0.367	0.213 (0.330)		0.154
39	3.25	1.10	0.367	0.213 (0.330)		0.154
40	3.33	1.10	0.367	0.213 (0.330)		0.154
41	3.42	1.20	0.400	0.213 (0.360)		0.188
42	3.50	1.30	0.434	0.213 (0.390)		0.221
43	3.58	1.40	0.467	0.213 (0.420)		0.254
44	3.67	1.40	0.467	0.213 (0.420)		0.254
45	3.75	1.50	0.500	0.213 (0.450)		0.288
46	3.83	1.50	0.500	0.213 (0.450)		0.288
47	3.92	1.60	0.534	0.213 (0.480)		0.321
48	4.00	1.60	0.534	0.213 (0.480)		0.321
49	4.08	1.70	0.567	0.213 (0.510)		0.354
50	4.17	1.80	0.600	0.213 (0.540)		0.388
51	4.25	1.90	0.634	0.213 (0.570)		0.421
52	4.33	2.00	0.667	0.213 (0.600)		0.454
53	4.42	2.10	0.700	0.213 (0.630)		0.488
54	4.50	2.10	0.700	0.213 (0.630)		0.488
55	4.58	2.20	0.734	0.213 (0.660)		0.521
56	4.67	2.30	0.767	0.213 (0.690)		0.554
57	4.75	2.40	0.801	0.213 (0.720)		0.588
58	4.83	2.40	0.801	0.213 (0.720)		0.588
59	4.92	2.50	0.834	0.213 (0.751)		0.621
60	5.00	2.60	0.867	0.213 (0.781)		0.655
61	5.08	3.10	1.034	0.213 (0.931)		0.821
62	5.17	3.60	1.201	0.213 (1.081)		0.988
63	5.25	3.90	1.301	0.213 (1.171)		1.088
64	5.33	4.20	1.401	0.213 (1.261)		1.188
65	5.42	4.70	1.568	0.213 (1.411)		1.355
66	5.50	5.60	1.868	0.213 (1.681)		1.655
67	5.58	1.90	0.634	0.213 (0.570)		0.421
68	5.67	0.90	0.300	0.213 (0.270)		0.087
69	5.75	0.60	0.200	(0.213)	0.180	0.020
70	5.83	0.50	0.167	(0.213)	0.150	0.017
71	5.92	0.30	0.100	(0.213)	0.090	0.010
72	6.00	0.20	0.067	(0.213)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 18.6

Flood volume = Effective rainfall 1.55(In)
times area 33.9(Ac.)/[(In)/(Ft.)] = 4.4(Ac.Ft)
Total soil loss = 1.23(In)
Total soil loss = 3.470(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 190917.1 Cubic Feet
Total soil loss = 151141.5 Cubic Feet

Peak flow rate of this hydrograph = 45.972(CFS)

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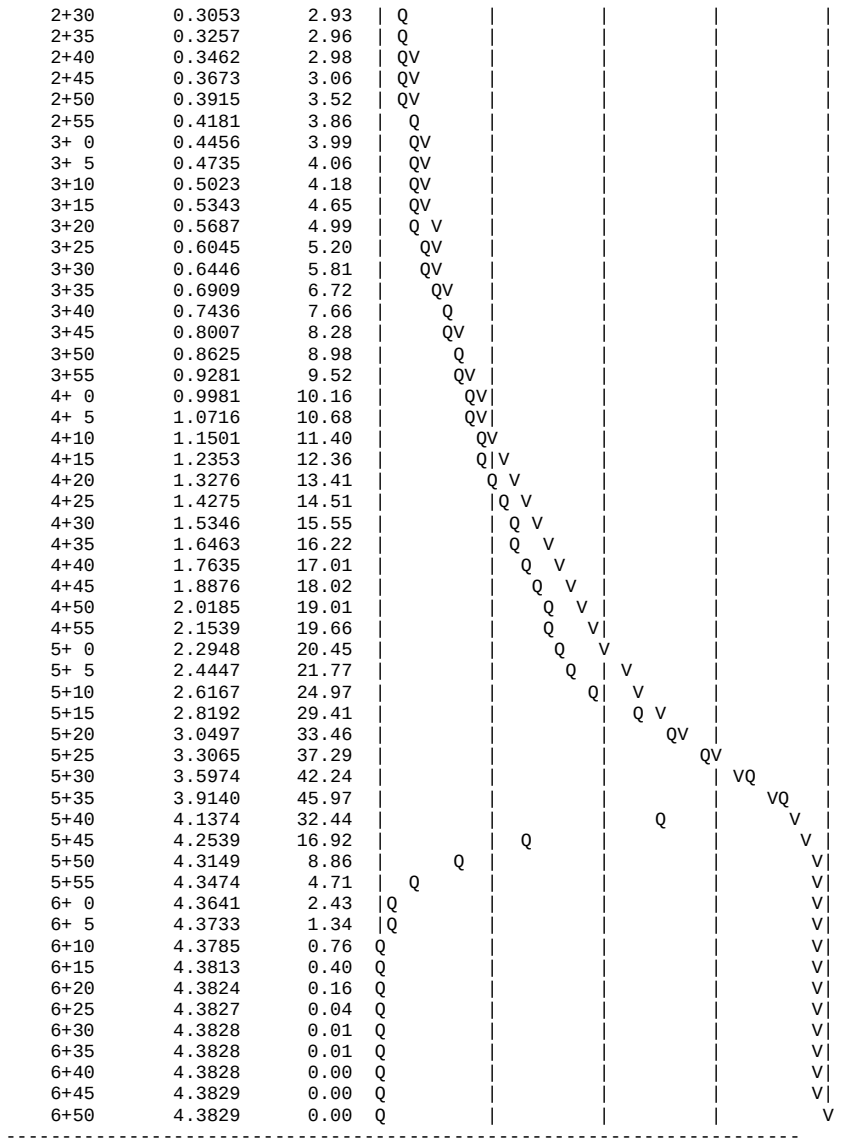
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0003	0.04	Q	|	|	|	|
0+10	0.0022	0.28	Q	|	|	|	|
0+15	0.0055	0.49	Q	|	|	|	|
0+20	0.0096	0.59	Q	|	|	|	|
0+25	0.0140	0.64	Q	|	|	|	|
0+30	0.0186	0.67	Q	|	|	|	|
0+35	0.0236	0.73	Q	|	|	|	|
0+40	0.0288	0.76	Q	|	|	|	|
0+45	0.0342	0.78	Q	|	|	|	|
0+50	0.0396	0.79	Q	|	|	|	|
0+55	0.0451	0.79	Q	|	|	|	|
1+ 0	0.0511	0.87	Q	|	|	|	|
1+ 5	0.0600	1.29	VQ	|	|	|	|
1+10	0.0710	1.60	VQ	|	|	|	|
1+15	0.0829	1.72	VQ	|	|	|	|
1+20	0.0952	1.78	VQ	|	|	|	|
1+25	0.1077	1.82	VQ	|	|	|	|
1+30	0.1203	1.83	|Q	|	|	|	|
1+35	0.1330	1.84	|Q	|	|	|	|
1+40	0.1457	1.84	|Q	|	|	|	|
1+45	0.1584	1.85	|Q	|	|	|	|
1+50	0.1712	1.85	|Q	|	|	|	|
1+55	0.1839	1.85	|Q	|	|	|	|
2+ 0	0.1972	1.93	|Q	|	|	|	|
2+ 5	0.2130	2.30	|Q	|	|	|	|
2+10	0.2287	2.27	|QV	|	|	|	|
2+15	0.2459	2.51	| Q	|	|	|	|
2+20	0.2652	2.79	| Q	|	|	|	|
2+25	0.2851	2.89	| Q	|	|	|	|


2+30 0.3053 2.93
2+35 0.3257 2.96
2+40 0.3462 2.98
2+45 0.3673 3.06
2+50 0.3915 3.52
2+55 0.4181 3.86
3+ 0 0.4456 3.99
3+ 5 0.4735 4.06
3+10 0.5023 4.18
3+15 0.5343 4.65
3+20 0.5687 4.99
3+25 0.6045 5.20
3+30 0.6446 5.81
3+35 0.6909 6.72
3+40 0.7436 7.66
3+45 0.8007 8.28
3+50 0.8625 8.98
3+55 0.9281 9.52
4+ 0 0.9981 10.16
4+ 5 1.0716 10.68
4+10 1.1501 11.40
4+15 1.2353 12.36
4+20 1.3276 13.41
4+25 1.4275 14.51
4+30 1.5346 15.55
4+35 1.6463 16.22
4+40 1.7635 17.01
4+45 1.8876 18.02
4+50 2.0185 19.01
4+55 2.1539 19.66
5+ 0 2.2948 20.45
5+ 5 2.4447 21.77
5+10 2.6167 24.97
5+15 2.8192 29.41
5+20 3.0497 33.46
5+25 3.3065 37.29
5+30 3.5974 42.24
5+35 3.9140 45.97
5+40 4.1374 32.44
5+45 4.2539 16.92
5+50 4.3149 8.86
5+55 4.3474 4.71
6+ 0 4.3641 2.43
6+ 5 4.3733 1.34
6+10 4.3785 0.76
6+15 4.3813 0.40
6+20 4.3824 0.16
6+25 4.3827 0.04
6+30 4.3828 0.01
6+35 4.3828 0.01
6+40 4.3828 0.00
6+45 4.3829 0.00
6+50 4.3829 0.00

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/13/23 File: mesae824100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 8
6/13/23

Drainage Area = 33.90(Ac.) = 0.053 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 33.90(Ac.) = 0.053 Sq. Mi.
Length along longest watercourse = 2445.00(Ft.)
Length along longest watercourse measured to centroid = 1269.00(Ft.)
Length along longest watercourse = 0.463 Mi.
Length along longest watercourse measured to centroid = 0.240 Mi.
Difference in elevation = 152.00(Ft.)
Slope along watercourse = 328.2454 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.121 Hr.
Lag time = 7.28 Min.
25% of lag time = 1.82 Min.
40% of lag time = 2.91 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
33.90	2.45	83.06

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
33.90	6.08	206.11

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.080(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
0.000	70.00	0.000
10.670	80.00	0.000
23.230	84.00	0.000

Total Area Entered = 33.90(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.000	0.000
80.0	80.0	0.244	0.000	0.244	0.315	0.077
84.0	84.0	0.198	0.000	0.198	0.685	0.136
					Sum (F) =	0.213

Area averaged mean soil loss (F) (In/Hr) = 0.213
Minimum soil loss rate ((In/Hr)) = 0.106
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	68.700	6.939	2.371
2	0.167	137.400	39.968	13.655
3	0.250	206.100	29.683	10.141
4	0.333	274.801	11.093	3.790
5	0.417	343.501	6.188	2.114
6	0.500	412.201	3.302	1.128
7	0.583	480.901	1.271	0.434
8	0.667	549.601	0.636	0.217
9	0.750	618.301	0.481	0.164
10	0.833	687.001	0.329	0.112
11	0.917	755.702	0.109	0.037
			Sum = 100.000	Sum= 34.165

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1 0.08	0.07	0.049	(0.377)	0.044	0.005
2 0.17	0.07	0.049	(0.376)	0.044	0.005

3	0.25	0.07	0.049	(0.374)	0.044	0.005
4	0.33	0.10	0.073	(0.373)	0.066	0.007
5	0.42	0.10	0.073	(0.371)	0.066	0.007
6	0.50	0.10	0.073	(0.370)	0.066	0.007
7	0.58	0.10	0.073	(0.368)	0.066	0.007
8	0.67	0.10	0.073	(0.367)	0.066	0.007
9	0.75	0.10	0.073	(0.366)	0.066	0.007
10	0.83	0.13	0.097	(0.364)	0.088	0.010
11	0.92	0.13	0.097	(0.363)	0.088	0.010
12	1.00	0.13	0.097	(0.361)	0.088	0.010
13	1.08	0.10	0.073	(0.360)	0.066	0.007
14	1.17	0.10	0.073	(0.358)	0.066	0.007
15	1.25	0.10	0.073	(0.357)	0.066	0.007
16	1.33	0.10	0.073	(0.356)	0.066	0.007
17	1.42	0.10	0.073	(0.354)	0.066	0.007
18	1.50	0.10	0.073	(0.353)	0.066	0.007
19	1.58	0.10	0.073	(0.351)	0.066	0.007
20	1.67	0.10	0.073	(0.350)	0.066	0.007
21	1.75	0.10	0.073	(0.349)	0.066	0.007
22	1.83	0.13	0.097	(0.347)	0.088	0.010
23	1.92	0.13	0.097	(0.346)	0.088	0.010
24	2.00	0.13	0.097	(0.344)	0.088	0.010
25	2.08	0.13	0.097	(0.343)	0.088	0.010
26	2.17	0.13	0.097	(0.342)	0.088	0.010
27	2.25	0.13	0.097	(0.340)	0.088	0.010
28	2.33	0.13	0.097	(0.339)	0.088	0.010
29	2.42	0.13	0.097	(0.337)	0.088	0.010
30	2.50	0.13	0.097	(0.336)	0.088	0.010
31	2.58	0.17	0.122	(0.335)	0.109	0.012
32	2.67	0.17	0.122	(0.333)	0.109	0.012
33	2.75	0.17	0.122	(0.332)	0.109	0.012
34	2.83	0.17	0.122	(0.331)	0.109	0.012
35	2.92	0.17	0.122	(0.329)	0.109	0.012
36	3.00	0.17	0.122	(0.328)	0.109	0.012
37	3.08	0.17	0.122	(0.326)	0.109	0.012
38	3.17	0.17	0.122	(0.325)	0.109	0.012
39	3.25	0.17	0.122	(0.324)	0.109	0.012
40	3.33	0.17	0.122	(0.322)	0.109	0.012
41	3.42	0.17	0.122	(0.321)	0.109	0.012
42	3.50	0.17	0.122	(0.320)	0.109	0.012
43	3.58	0.17	0.122	(0.318)	0.109	0.012
44	3.67	0.17	0.122	(0.317)	0.109	0.012
45	3.75	0.17	0.122	(0.316)	0.109	0.012
46	3.83	0.20	0.146	(0.314)	0.131	0.015
47	3.92	0.20	0.146	(0.313)	0.131	0.015
48	4.00	0.20	0.146	(0.312)	0.131	0.015
49	4.08	0.20	0.146	(0.310)	0.131	0.015
50	4.17	0.20	0.146	(0.309)	0.131	0.015
51	4.25	0.20	0.146	(0.308)	0.131	0.015
52	4.33	0.23	0.170	(0.306)	0.153	0.017
53	4.42	0.23	0.170	(0.305)	0.153	0.017
54	4.50	0.23	0.170	(0.304)	0.153	0.017
55	4.58	0.23	0.170	(0.303)	0.153	0.017
56	4.67	0.23	0.170	(0.301)	0.153	0.017
57	4.75	0.23	0.170	(0.300)	0.153	0.017
58	4.83	0.27	0.195	(0.299)	0.175	0.019
59	4.92	0.27	0.195	(0.297)	0.175	0.019
60	5.00	0.27	0.195	(0.296)	0.175	0.019
61	5.08	0.20	0.146	(0.295)	0.131	0.015
62	5.17	0.20	0.146	(0.293)	0.131	0.015
63	5.25	0.20	0.146	(0.292)	0.131	0.015
64	5.33	0.23	0.170	(0.291)	0.153	0.017
65	5.42	0.23	0.170	(0.290)	0.153	0.017
66	5.50	0.23	0.170	(0.288)	0.153	0.017
67	5.58	0.27	0.195	(0.287)	0.175	0.019
68	5.67	0.27	0.195	(0.286)	0.175	0.019
69	5.75	0.27	0.195	(0.285)	0.175	0.019
70	5.83	0.27	0.195	(0.283)	0.175	0.019
71	5.92	0.27	0.195	(0.282)	0.175	0.019
72	6.00	0.27	0.195	(0.281)	0.175	0.019
73	6.08	0.30	0.219	(0.280)	0.197	0.022
74	6.17	0.30	0.219	(0.278)	0.197	0.022
75	6.25	0.30	0.219	(0.277)	0.197	0.022
76	6.33	0.30	0.219	(0.276)	0.197	0.022
77	6.42	0.30	0.219	(0.275)	0.197	0.022
78	6.50	0.30	0.219	(0.273)	0.197	0.022
79	6.58	0.33	0.243	(0.272)	0.219	0.024
80	6.67	0.33	0.243	(0.271)	0.219	0.024
81	6.75	0.33	0.243	(0.270)	0.219	0.024
82	6.83	0.33	0.243	(0.268)	0.219	0.024
83	6.92	0.33	0.243	(0.267)	0.219	0.024
84	7.00	0.33	0.243	(0.266)	0.219	0.024
85	7.08	0.33	0.243	(0.265)	0.219	0.024
86	7.17	0.33	0.243	(0.264)	0.219	0.024
87	7.25	0.33	0.243	(0.262)	0.219	0.024
88	7.33	0.37	0.268	(0.261)	0.241	0.027
89	7.42	0.37	0.268	(0.260)	0.241	0.027
90	7.50	0.37	0.268	(0.259)	0.241	0.027
91	7.58	0.40	0.292	0.258	(0.263)	0.034
92	7.67	0.40	0.292	0.256	(0.263)	0.035
93	7.75	0.40	0.292	0.255	(0.263)	0.037
94	7.83	0.43	0.316	0.254	(0.285)	0.062
95	7.92	0.43	0.316	0.253	(0.285)	0.063
96	8.00	0.43	0.316	0.252	(0.285)	0.064
97	8.08	0.50	0.365	0.251	(0.328)	0.114
98	8.17	0.50	0.365	0.249	(0.328)	0.115
99	8.25	0.50	0.365	0.248	(0.328)	0.116
100	8.33	0.50	0.365	0.247	(0.328)	0.118
101	8.42	0.50	0.365	0.246	(0.328)	0.119
102	8.50	0.50	0.365	0.245	(0.328)	0.120
103	8.58	0.53	0.389	0.244	(0.350)	0.145
104	8.67	0.53	0.389	0.243	(0.350)	0.147
105	8.75	0.53	0.389	0.241	(0.350)	0.148
106	8.83	0.57	0.413	0.240	(0.372)	0.173
107	8.92	0.57	0.413	0.239	(0.372)	0.174
108	9.00	0.57	0.413	0.238	(0.372)	0.175
109	9.08	0.63	0.462	0.237	(0.416)	0.225
110	9.17	0.63	0.462	0.236	(0.416)	0.226
111	9.25	0.63	0.462	0.235	(0.416)	0.227
112	9.33	0.67	0.486	0.233	(0.438)	0.253
113	9.42	0.67	0.486	0.232	(0.438)	0.254
114	9.50	0.67	0.486	0.231	(0.438)	0.255
115	9.58	0.70	0.511	0.230	(0.460)	0.281
116	9.67	0.70	0.511	0.229	(0.460)	0.282
117	9.75	0.70	0.511	0.228	(0.460)	0.283
118	9.83	0.73	0.535	0.227	(0.482)	0.308
119	9.92	0.73	0.535	0.226	(0.482)	0.309
120	10.00	0.73	0.535	0.225	(0.482)	0.310
121	10.08	0.50	0.365	0.224	(0.328)	0.141
122	10.17	0.50	0.365	0.222	(0.328)	0.142

123	10.25	0.50	0.365	0.221	(0.328)	0.143		183	15.25	0.80	0.584	0.164	(0.525)	0.420			
124	10.33	0.50	0.365	0.220	(0.328)	0.144		184	15.33	0.77	0.559	0.163	(0.503)	0.397			
125	10.42	0.50	0.365	0.219	(0.328)	0.146		185	15.42	0.77	0.559	0.162	(0.503)	0.397			
126	10.50	0.50	0.365	0.218	(0.328)	0.147		186	15.50	0.77	0.559	0.161	(0.503)	0.398			
127	10.58	0.67	0.486	0.217	(0.438)	0.269		187	15.58	0.63	0.462	0.160	(0.416)	0.302			
128	10.67	0.67	0.486	0.216	(0.438)	0.270		188	15.67	0.63	0.462	0.159	(0.416)	0.303			
129	10.75	0.67	0.486	0.215	(0.438)	0.271		189	15.75	0.63	0.462	0.159	(0.416)	0.303			
130	10.83	0.67	0.486	0.214	(0.438)	0.272		190	15.83	0.63	0.462	0.158	(0.416)	0.304			
131	10.92	0.67	0.486	0.213	(0.438)	0.273		191	15.92	0.63	0.462	0.157	(0.416)	0.305			
132	11.00	0.67	0.486	0.212	(0.438)	0.275		192	16.00	0.63	0.462	0.156	(0.416)	0.306			
133	11.08	0.63	0.462	0.211	(0.416)	0.251		193	16.08	0.13	0.097	(0.155)	0.088	0.010			
134	11.17	0.63	0.462	0.210	(0.416)	0.252		194	16.17	0.13	0.097	(0.155)	0.088	0.010			
135	11.25	0.63	0.462	0.209	(0.416)	0.253		195	16.25	0.13	0.097	(0.154)	0.088	0.010			
136	11.33	0.63	0.462	0.208	(0.416)	0.254		196	16.33	0.13	0.097	(0.153)	0.088	0.010			
137	11.42	0.63	0.462	0.207	(0.416)	0.255		197	16.42	0.13	0.097	(0.152)	0.088	0.010			
138	11.50	0.63	0.462	0.206	(0.416)	0.256		198	16.50	0.13	0.097	(0.152)	0.088	0.010			
139	11.58	0.57	0.413	0.205	(0.372)	0.209		199	16.58	0.10	0.073	(0.151)	0.066	0.007			
140	11.67	0.57	0.413	0.204	(0.372)	0.210		200	16.67	0.10	0.073	(0.150)	0.066	0.007			
141	11.75	0.57	0.413	0.203	(0.372)	0.211		201	16.75	0.10	0.073	(0.149)	0.066	0.007			
142	11.83	0.60	0.438	0.202	(0.394)	0.236		202	16.83	0.10	0.073	(0.148)	0.066	0.007			
143	11.92	0.60	0.438	0.201	(0.394)	0.237		203	16.92	0.10	0.073	(0.148)	0.066	0.007			
144	12.00	0.60	0.438	0.200	(0.394)	0.238		204	17.00	0.10	0.073	(0.147)	0.066	0.007			
145	12.08	0.83	0.608	0.199	(0.547)	0.409		205	17.08	0.17	0.122	(0.146)	0.109	0.012			
146	12.17	0.83	0.608	0.198	(0.547)	0.410		206	17.17	0.17	0.122	(0.145)	0.109	0.012			
147	12.25	0.83	0.608	0.197	(0.547)	0.411		207	17.25	0.17	0.122	(0.145)	0.109	0.012			
148	12.33	0.87	0.632	0.196	(0.569)	0.437		208	17.33	0.17	0.122	(0.144)	0.109	0.012			
149	12.42	0.87	0.632	0.195	(0.569)	0.438		209	17.42	0.17	0.122	(0.143)	0.109	0.012			
150	12.50	0.87	0.632	0.194	(0.569)	0.439		210	17.50	0.17	0.122	(0.143)	0.109	0.012			
151	12.58	0.93	0.681	0.193	(0.613)	0.488		211	17.58	0.17	0.122	(0.142)	0.109	0.012			
152	12.67	0.93	0.681	0.192	(0.613)	0.489		212	17.67	0.17	0.122	(0.141)	0.109	0.012			
153	12.75	0.93	0.681	0.191	(0.613)	0.490		213	17.75	0.17	0.122	(0.140)	0.109	0.012			
154	12.83	0.97	0.705	0.190	(0.635)	0.515		214	17.83	0.13	0.097	(0.140)	0.088	0.010			
155	12.92	0.97	0.705	0.189	(0.635)	0.516		215	17.92	0.13	0.097	(0.139)	0.088	0.010			
156	13.00	0.97	0.705	0.188	(0.635)	0.517		216	18.00	0.13	0.097	(0.138)	0.088	0.010			
157	13.08	1.13	0.827	0.187	(0.744)	0.640		217	18.08	0.13	0.097	(0.138)	0.088	0.010			
158	13.17	1.13	0.827	0.186	(0.744)	0.641		218	18.17	0.13	0.097	(0.137)	0.088	0.010			
159	13.25	1.13	0.827	0.185	(0.744)	0.642		219	18.25	0.13	0.097	(0.136)	0.088	0.010			
160	13.33	1.13	0.827	0.184	(0.744)	0.643		220	18.33	0.13	0.097	(0.136)	0.088	0.010			
161	13.42	1.13	0.827	0.183	(0.744)	0.644		221	18.42	0.13	0.097	(0.135)	0.088	0.010			
162	13.50	1.13	0.827	0.182	(0.744)	0.645		222	18.50	0.13	0.097	(0.134)	0.088	0.010			
163	13.58	0.77	0.559	0.181	(0.503)	0.378		223	18.58	0.10	0.073	(0.134)	0.066	0.007			
164	13.67	0.77	0.559	0.180	(0.503)	0.379		224	18.67	0.10	0.073	(0.133)	0.066	0.007			
165	13.75	0.77	0.559	0.179	(0.503)	0.380		225	18.75	0.10	0.073	(0.132)	0.066	0.007			
166	13.83	0.77	0.559	0.179	(0.503)	0.381		226	18.83	0.07	0.049	(0.132)	0.044	0.005			
167	13.92	0.77	0.559	0.178	(0.503)	0.382		227	18.92	0.07	0.049	(0.131)	0.044	0.005			
168	14.00	0.77	0.559	0.177	(0.503)	0.383		228	19.00	0.07	0.049	(0.131)	0.044	0.005			
169	14.08	0.90	0.657	0.176	(0.591)	0.481		229	19.08	0.10	0.073	(0.130)	0.066	0.007			
170	14.17	0.90	0.657	0.175	(0.591)	0.482		230	19.17	0.10	0.073	(0.129)	0.066	0.007			
171	14.25	0.90	0.657	0.174	(0.591)	0.483		231	19.25	0.10	0.073	(0.129)	0.066	0.007			
172	14.33	0.87	0.632	0.173	(0.569)	0.459		232	19.33	0.13	0.097	(0.128)	0.088	0.010			
173	14.42	0.87	0.632	0.172	(0.569)	0.460		233	19.42	0.13	0.097	(0.128)	0.088	0.010			
174	14.50	0.87	0.632	0.171	(0.569)	0.461		234	19.50	0.13	0.097	(0.127)	0.088	0.010			
175	14.58	0.87	0.632	0.170	(0.569)	0.462		235	19.58	0.10	0.073	(0.126)	0.066	0.007			
176	14.67	0.87	0.632	0.170	(0.569)	0.463		236	19.67	0.10	0.073	(0.126)	0.066	0.007			
177	14.75	0.87	0.632	0.169	(0.569)	0.464		237	19.75	0.10	0.073	(0.125)	0.066	0.007			
178	14.83	0.83	0.608	0.168	(0.547)	0.440		238	19.83	0.07	0.049	(0.125)	0.044	0.005			
179	14.92	0.83	0.608	0.167	(0.547)	0.441		239	19.92	0.07	0.049	(0.124)	0.044	0.005			
180	15.00	0.83	0.608	0.166	(0.547)	0.442		240	20.00	0.07	0.049	(0.124)	0.044	0.005			
181	15.08	0.80	0.584	0.165	(0.525)	0.418		241	20.08	0.10	0.073	(0.123)	0.066	0.007			
182	15.17	0.80	0.584	0.164	(0.525)	0.419		242	20.17	0.10	0.073	(0.122)	0.066	0.007			

243	20.25	0.10	0.073	(0.122)	0.066	0.007
244	20.33	0.10	0.073	(0.121)	0.066	0.007
245	20.42	0.10	0.073	(0.121)	0.066	0.007
246	20.50	0.10	0.073	(0.120)	0.066	0.007
247	20.58	0.10	0.073	(0.120)	0.066	0.007
248	20.67	0.10	0.073	(0.119)	0.066	0.007
249	20.75	0.10	0.073	(0.119)	0.066	0.007
250	20.83	0.07	0.049	(0.118)	0.044	0.005
251	20.92	0.07	0.049	(0.118)	0.044	0.005
252	21.00	0.07	0.049	(0.117)	0.044	0.005
253	21.08	0.10	0.073	(0.117)	0.066	0.007
254	21.17	0.10	0.073	(0.116)	0.066	0.007
255	21.25	0.10	0.073	(0.116)	0.066	0.007
256	21.33	0.07	0.049	(0.116)	0.044	0.005
257	21.42	0.07	0.049	(0.115)	0.044	0.005
258	21.50	0.07	0.049	(0.115)	0.044	0.005
259	21.58	0.10	0.073	(0.114)	0.066	0.007
260	21.67	0.10	0.073	(0.114)	0.066	0.007
261	21.75	0.10	0.073	(0.113)	0.066	0.007
262	21.83	0.07	0.049	(0.113)	0.044	0.005
263	21.92	0.07	0.049	(0.113)	0.044	0.005
264	22.00	0.07	0.049	(0.112)	0.044	0.005
265	22.08	0.10	0.073	(0.112)	0.066	0.007
266	22.17	0.10	0.073	(0.112)	0.066	0.007
267	22.25	0.10	0.073	(0.111)	0.066	0.007
268	22.33	0.07	0.049	(0.111)	0.044	0.005
269	22.42	0.07	0.049	(0.111)	0.044	0.005
270	22.50	0.07	0.049	(0.110)	0.044	0.005
271	22.58	0.07	0.049	(0.110)	0.044	0.005
272	22.67	0.07	0.049	(0.110)	0.044	0.005
273	22.75	0.07	0.049	(0.109)	0.044	0.005
274	22.83	0.07	0.049	(0.109)	0.044	0.005
275	22.92	0.07	0.049	(0.109)	0.044	0.005
276	23.00	0.07	0.049	(0.108)	0.044	0.005
277	23.08	0.07	0.049	(0.108)	0.044	0.005
278	23.17	0.07	0.049	(0.108)	0.044	0.005
279	23.25	0.07	0.049	(0.108)	0.044	0.005
280	23.33	0.07	0.049	(0.108)	0.044	0.005
281	23.42	0.07	0.049	(0.107)	0.044	0.005
282	23.50	0.07	0.049	(0.107)	0.044	0.005
283	23.58	0.07	0.049	(0.107)	0.044	0.005
284	23.67	0.07	0.049	(0.107)	0.044	0.005
285	23.75	0.07	0.049	(0.107)	0.044	0.005
286	23.83	0.07	0.049	(0.107)	0.044	0.005
287	23.92	0.07	0.049	(0.106)	0.044	0.005
288	24.00	0.07	0.049	(0.106)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 34.1

Flood volume = Effective rainfall 2.84(In)
times area 33.9(Ac.)/[(In)/(Ft.)] = 8.0(Ac.Ft)
Total soil loss = 3.24(In)
Total soil loss = 9.159(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 349177.3 Cubic Feet
Total soil loss = 398959.7 Cubic Feet

Peak flow rate of this hydrograph = 21.851(CFS)

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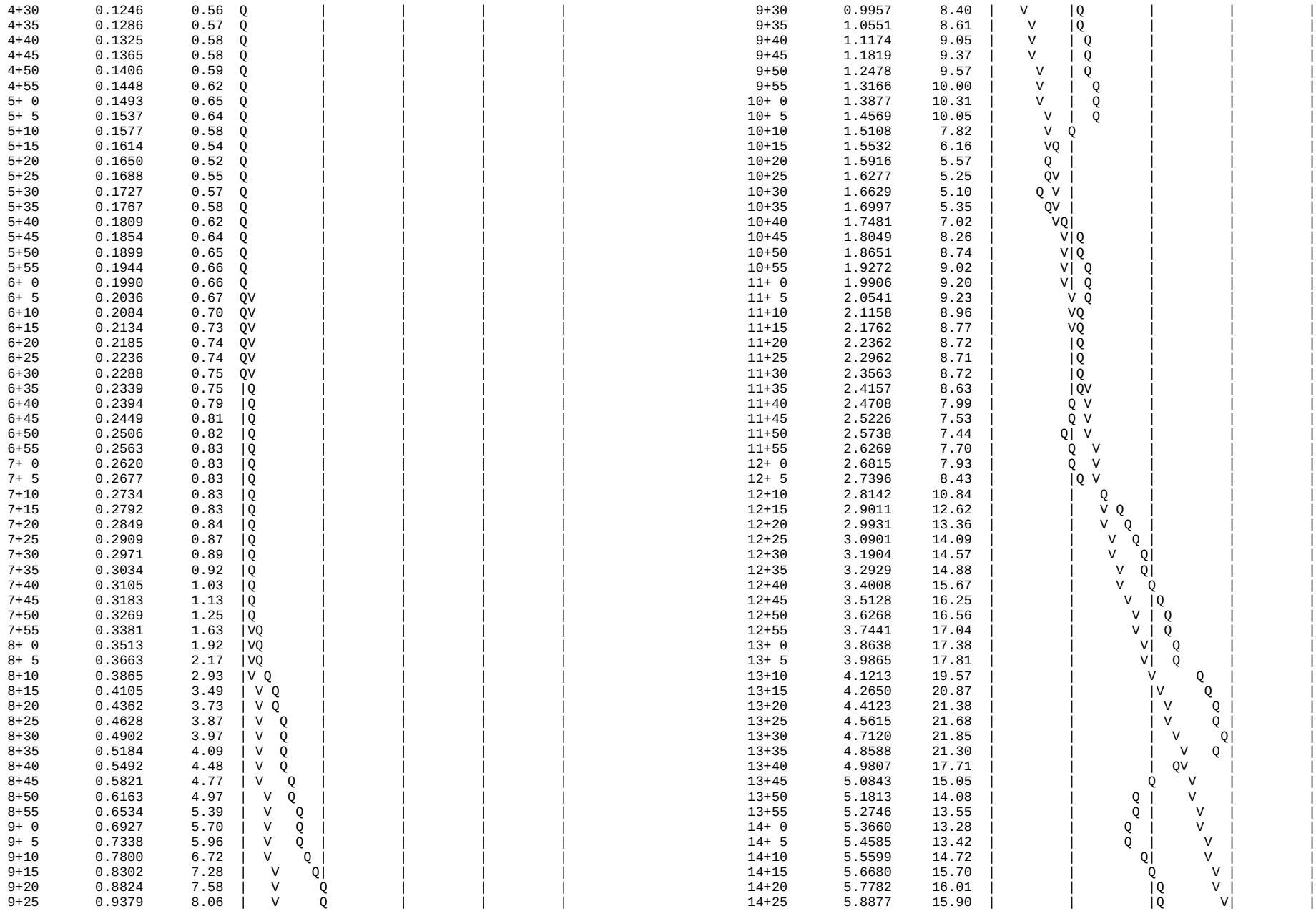
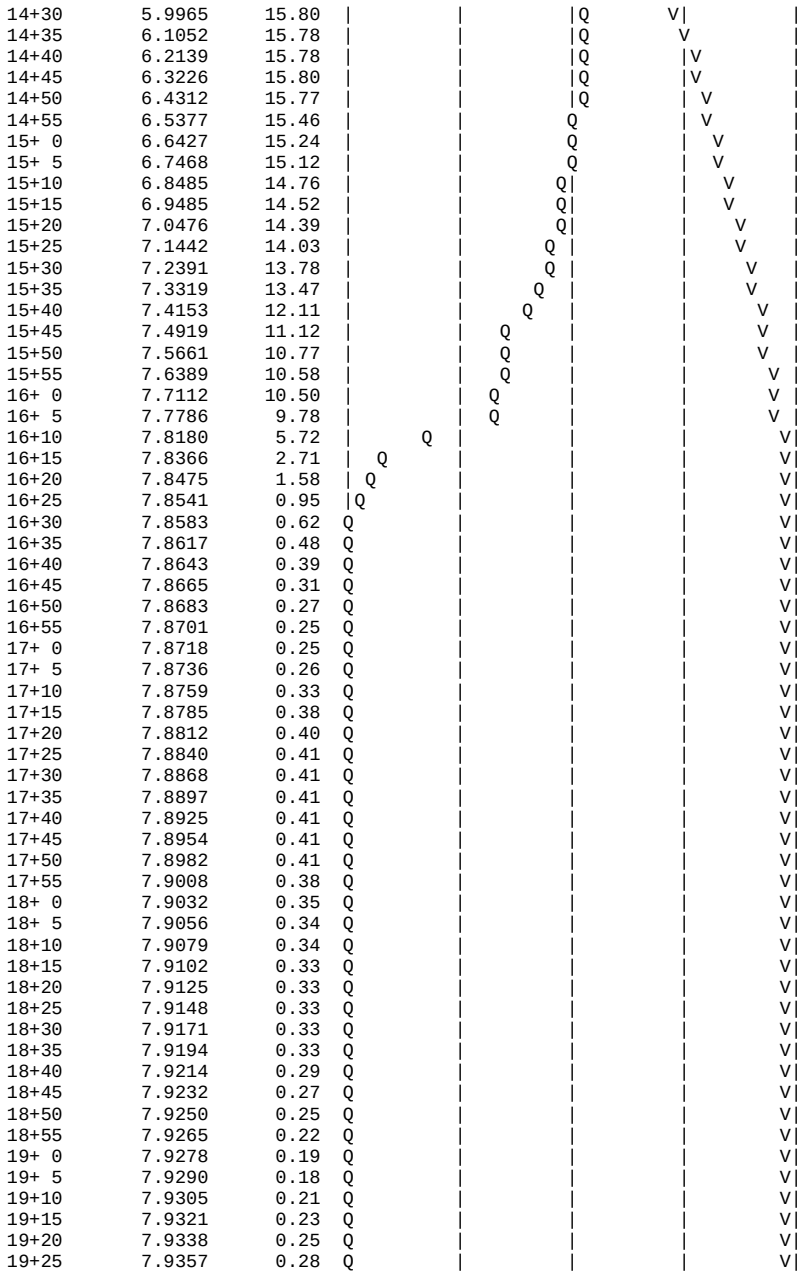
24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0001	0.01	Q	|	|	|	|
0+10	0.0006	0.08	Q	|	|	|	|
0+15	0.0015	0.13	Q	|	|	|	|
0+20	0.0025	0.15	Q	|	|	|	|
0+25	0.0039	0.20	Q	|	|	|	|
0+30	0.0054	0.23	Q	|	|	|	|
0+35	0.0071	0.24	Q	|	|	|	|
0+40	0.0087	0.24	Q	|	|	|	|
0+45	0.0104	0.25	Q	|	|	|	|
0+50	0.0122	0.25	Q	|	|	|	|
0+55	0.0142	0.29	Q	|	|	|	|
1+ 0	0.0163	0.31	Q	|	|	|	|
1+ 5	0.0185	0.32	Q	|	|	|	|
1+10	0.0205	0.29	Q	|	|	|	|
1+15	0.0223	0.27	Q	|	|	|	|
1+20	0.0241	0.26	Q	|	|	|	|
1+25	0.0258	0.25	Q	|	|	|	|
1+30	0.0276	0.25	Q	|	|	|	|
1+35	0.0293	0.25	Q	|	|	|	|
1+40	0.0310	0.25	Q	|	|	|	|
1+45	0.0327	0.25	Q	|	|	|	|
1+50	0.0345	0.26	Q	|	|	|	|
1+55	0.0365	0.29	Q	|	|	|	|
2+ 0	0.0386	0.31	Q	|	|	|	|
2+ 5	0.0409	0.32	Q	|	|	|	|
2+10	0.0431	0.33	Q	|	|	|	|
2+15	0.0454	0.33	Q	|	|	|	|
2+20	0.0477	0.33	Q	|	|	|	|
2+25	0.0500	0.33	Q	|	|	|	|
2+30	0.0522	0.33	Q	|	|	|	|
2+35	0.0546	0.34	Q	|	|	|	|
2+40	0.0571	0.37	Q	|	|	|	|
2+45	0.0599	0.40	Q	|	|	|	|
2+50	0.0626	0.41	Q	|	|	|	|
2+55	0.0655	0.41	Q	|	|	|	|
3+ 0	0.0683	0.41	Q	|	|	|	|
3+ 5	0.0712	0.41	Q	|	|	|	|
3+10	0.0740	0.41	Q	|	|	|	|
3+15	0.0769	0.42	Q	|	|	|	|
3+20	0.0798	0.42	Q	|	|	|	|
3+25	0.0826	0.42	Q	|	|	|	|
3+30	0.0855	0.42	Q	|	|	|	|
3+35	0.0883	0.42	Q	|	|	|	|
3+40	0.0912	0.42	Q	|	|	|	|
3+45	0.0941	0.42	Q	|	|	|	|
3+50	0.0970	0.42	Q	|	|	|	|
3+55	0.1001	0.45	Q	|	|	|	|
4+ 0	0.1034	0.48	Q	|	|	|	|
4+ 5	0.1068	0.49	Q	|	|	|	|
4+10	0.1102	0.49	Q	|	|	|	|
4+15	0.1136	0.50	Q	|	|	|	|
4+20	0.1170	0.50	Q	|	|	|	|
4+25	0.1207	0.54	Q	|	|	|	|





```
   24+30       8.0160      0.00  Q         |         |         |       V|
   24+35       8.0160      0.00  Q         |         |         |       V|
   24+40       8.0160      0.00  Q         |         |         |       V|
   24+45       8.0160      0.00  Q         |         |         |       V|
   24+50       8.0160      0.00  Q         |         |         |       V|
---------------------------------------------------------------------------
```

AREA TRIBUTARY TO CP9

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/14/23 File: mesae93100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 9
6/14/23

Drainage Area = 65.78(Ac.) = 0.103 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 65.78(Ac.) = 0.103 Sq. Mi.
Length along longest watercourse = 2844.00(Ft.)
Length along longest watercourse measured to centroid = 1164.00(Ft.)
Length along longest watercourse = 0.539 Mi.
Length along longest watercourse measured to centroid = 0.220 Mi.
Difference in elevation = 124.00(Ft.)
Slope along watercourse = 230.2110 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.133 Hr.
Lag time = 7.98 Min.
25% of lag time = 1.99 Min.
40% of lag time = 3.19 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.78	0.94	61.83

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.78	1.97	129.59

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 1.969(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
30.840	70.00	0.000
2.090	80.00	0.000
32.850	84.00	0.000

Total Area Entered = 65.78(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.469	0.170
80.0	80.0	0.244	0.000	0.244	0.032	0.008
84.0	84.0	0.198	0.000	0.198	0.499	0.099
					Sum (F) =	0.277

Area averaged mean soil loss (F) (In/Hr) = 0.277
Minimum soil loss rate ((In/Hr)) = 0.138
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	62.660	5.978	3.963
2	0.167	125.320	34.357	22.777
3	0.250	187.980	32.705	21.681
4	0.333	250.640	11.969	7.935
5	0.417	313.300	6.851	4.542
6	0.500	375.960	4.022	2.667
7	0.583	438.619	2.032	1.347
8	0.667	501.279	0.784	0.520
9	0.750	563.939	0.501	0.332
10	0.833	626.599	0.441	0.292
11	0.917	689.259	0.268	0.177
12	1.000	751.919	0.093	0.062
			Sum = 100.000 Sum=	66.294

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1 0.08	1.30	0.307	(0.277)	0.277	0.031

2	0.17	1.30	0.307	(0.277)	0.277	0.031
3	0.25	1.10	0.260	(0.277)	0.234	0.026
4	0.33	1.50	0.354	0.277	(0.319)	0.078
5	0.42	1.50	0.354	0.277	(0.319)	0.078
6	0.50	1.80	0.425	0.277	(0.383)	0.149
7	0.58	1.50	0.354	0.277	(0.319)	0.078
8	0.67	1.80	0.425	0.277	(0.383)	0.149
9	0.75	1.80	0.425	0.277	(0.383)	0.149
10	0.83	1.50	0.354	0.277	(0.319)	0.078
11	0.92	1.60	0.378	0.277	(0.340)	0.102
12	1.00	1.80	0.425	0.277	(0.383)	0.149
13	1.08	2.20	0.520	0.277	(0.468)	0.243
14	1.17	2.20	0.520	0.277	(0.468)	0.243
15	1.25	2.20	0.520	0.277	(0.468)	0.243
16	1.33	2.00	0.473	0.277	(0.425)	0.196
17	1.42	2.60	0.614	0.277	(0.553)	0.338
18	1.50	2.70	0.638	0.277	(0.574)	0.362
19	1.58	2.40	0.567	0.277	(0.510)	0.291
20	1.67	2.70	0.638	0.277	(0.574)	0.362
21	1.75	3.30	0.780	0.277	(0.702)	0.503
22	1.83	3.10	0.733	0.277	(0.659)	0.456
23	1.92	2.90	0.685	0.277	(0.617)	0.409
24	2.00	3.00	0.709	0.277	(0.638)	0.432
25	2.08	3.10	0.733	0.277	(0.659)	0.456
26	2.17	4.20	0.993	0.277	(0.893)	0.716
27	2.25	5.00	1.182	0.277	(1.063)	0.905
28	2.33	3.50	0.827	0.277	(0.744)	0.551
29	2.42	6.80	1.607	0.277	(1.446)	1.331
30	2.50	7.30	1.725	0.277	(1.553)	1.449
31	2.58	8.20	1.938	0.277	(1.744)	1.661
32	2.67	5.90	1.394	0.277	(1.255)	1.118
33	2.75	2.00	0.473	0.277	(0.425)	0.196
34	2.83	1.80	0.425	0.277	(0.383)	0.149
35	2.92	1.80	0.425	0.277	(0.383)	0.149
36	3.00	0.60	0.142	(0.277)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 13.9

Flood volume = Effective rainfall 1.16(In)
times area 65.8(Ac.)/[(In)/(Ft.)] = 6.3(Ac.Ft)
Total soil loss = 0.81(In)
Total soil loss = 4.460(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 275971.2 Cubic Feet
Total soil loss = 194292.7 Cubic Feet

Peak flow rate of this hydrograph = 90.774(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	25.0	50.0	75.0	100.0
0+ 5	0.0008	0.12	Q				
0+10	0.0065	0.82	Q				
0+15	0.0166	1.47	Q				
0+20	0.0291	1.81	Q				
0+25	0.0500	3.03	VQ				
0+30	0.0809	4.49	VQ				
0+35	0.1239	6.25	V Q				
0+40	0.1700	6.70	VQ				
0+45	0.2215	7.48	VQ				
0+50	0.2806	8.57	V Q				
0+55	0.3323	7.51	VQ				
1+ 0	0.3801	6.94	Q				
1+ 5	0.4386	8.49	VQ				
1+10	0.5187	11.63	VQ				
1+15	0.6151	14.01	V Q				
1+20	0.7169	14.77	VQ				
1+25	0.8189	14.82	Q				
1+30	0.9389	17.43	VQ				
1+35	1.0803	20.53	V Q				
1+40	1.2228	20.68	VQ				
1+45	1.3748	22.07	Q				
1+50	1.5576	26.55	VQ				
1+55	1.7563	28.85	Q				
2+ 0	1.9505	28.20	QV				
2+ 5	2.1448	28.21	Q V				
2+10	2.3526	30.18	Q V				
2+15	2.6105	37.45	Q V				
2+20	2.9286	46.18	Q				
2+25	3.2558	47.50	QV				
2+30	3.6748	60.84	VQ				
2+35	4.2263	80.08	V	Q			
2+40	4.8514	90.77	V	Q			
2+45	5.4250	83.28	QV				
2+50	5.7990	54.32	Q	V			
2+55	6.0141	31.22	Q	V			
3+ 0	6.1587	20.99	Q	V			
3+ 5	6.2441	12.41	Q	V			
3+10	6.2860	6.08	Q	V			
3+15	6.3086	3.28	Q	V			
3+20	6.3221	1.96	Q	V			
3+25	6.3296	1.09	Q	V			
3+30	6.3331	0.50	Q	V			
3+35	6.3345	0.20	Q	V			
3+40	6.3351	0.09	Q	V			
3+45	6.3353	0.04	Q	V			
3+50	6.3354	0.01	Q	V			
3+55	6.3354	0.00	Q	V			

```
        U n i t   H y d r o g r a p h   A n a l y s i s

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                Study date  06/14/23 File: mesae96100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
EXISTING CONDITION
AREA 9
6/14/23
--------------------------------------------------------------------------
Drainage Area =      65.78(Ac.)  =      0.103 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      65.78(Ac.)  =
0.103 Sq. Mi.
Length along longest watercourse =    2844.00(Ft.)
Length along longest watercourse measured to centroid =    1164.00(Ft.)
Length along longest watercourse =      0.539 Mi.
Length along longest watercourse measured to centroid =      0.220 Mi.
Difference in elevation =     124.00(Ft.)
Slope along watercourse =    230.2110 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.133 Hr.
Lag time =     7.98 Min.
25% of lag time =     1.99 Min.
40% of lag time =     3.19 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       65.78             1.35                  88.80

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       65.78             2.78                 182.87

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    2.779(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.000           51.00          0.000
    30.840           70.00          0.000
     2.090           80.00          0.000
    32.850           84.00          0.000
 Total Area Entered =     65.78(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562       0.000      0.000
70.0  70.0      0.362     0.000        0.362       0.469      0.170
80.0  80.0      0.244     0.000        0.244       0.032      0.008
84.0  84.0      0.198     0.000        0.198       0.499      0.099
                                                 Sum (F) =   0.277
Area averaged mean soil loss (F) (In/Hr) =  0.277
Minimum soil loss rate ((In/Hr)) =  0.138
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        62.660          5.978             3.963
    2   0.167       125.320         34.357            22.777
    3   0.250       187.980         32.705            21.681
    4   0.333       250.640         11.969             7.935
    5   0.417       313.300          6.851             4.542
    6   0.500       375.960          4.022             2.667
    7   0.583       438.619          2.032             1.347
    8   0.667       501.279          0.784             0.520
    9   0.750       563.939          0.501             0.332
   10   0.833       626.599          0.441             0.292
   11   0.917       689.259          0.268             0.177
   12   1.000       751.919          0.093             0.062
                                Sum = 100.000   Sum=      66.294
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.50      0.167       (  0.277)       0.150        0.017
```

2	0.17	0.60	0.200	(0.277)	0.180	0.020
3	0.25	0.60	0.200	(0.277)	0.180	0.020
4	0.33	0.60	0.200	(0.277)	0.180	0.020
5	0.42	0.60	0.200	(0.277)	0.180	0.020
6	0.50	0.70	0.233	(0.277)	0.210	0.023
7	0.58	0.70	0.233	(0.277)	0.210	0.023
8	0.67	0.70	0.233	(0.277)	0.210	0.023
9	0.75	0.70	0.233	(0.277)	0.210	0.023
10	0.83	0.70	0.233	(0.277)	0.210	0.023
11	0.92	0.70	0.233	(0.277)	0.210	0.023
12	1.00	0.80	0.267	(0.277)	0.240	0.027
13	1.08	0.80	0.267	(0.277)	0.240	0.027
14	1.17	0.80	0.267	(0.277)	0.240	0.027
15	1.25	0.80	0.267	(0.277)	0.240	0.027
16	1.33	0.80	0.267	(0.277)	0.240	0.027
17	1.42	0.80	0.267	(0.277)	0.240	0.027
18	1.50	0.80	0.267	(0.277)	0.240	0.027
19	1.58	0.80	0.267	(0.277)	0.240	0.027
20	1.67	0.80	0.267	(0.277)	0.240	0.027
21	1.75	0.80	0.267	(0.277)	0.240	0.027
22	1.83	0.80	0.267	(0.277)	0.240	0.027
23	1.92	0.80	0.267	(0.277)	0.240	0.027
24	2.00	0.90	0.300	(0.277)	0.270	0.030
25	2.08	0.80	0.267	(0.277)	0.240	0.027
26	2.17	0.90	0.300	(0.277)	0.270	0.030
27	2.25	0.90	0.300	(0.277)	0.270	0.030
28	2.33	0.90	0.300	(0.277)	0.270	0.030
29	2.42	0.90	0.300	(0.277)	0.270	0.030
30	2.50	0.90	0.300	(0.277)	0.270	0.030
31	2.58	0.90	0.300	(0.277)	0.270	0.030
32	2.67	0.90	0.300	(0.277)	0.270	0.030
33	2.75	1.00	0.334	0.277	(0.300)	0.057
34	2.83	1.00	0.334	0.277	(0.300)	0.057
35	2.92	1.00	0.334	0.277	(0.300)	0.057
36	3.00	1.00	0.334	0.277	(0.300)	0.057
37	3.08	1.00	0.334	0.277	(0.300)	0.057
38	3.17	1.10	0.367	0.277	(0.330)	0.090
39	3.25	1.10	0.367	0.277	(0.330)	0.090
40	3.33	1.10	0.367	0.277	(0.330)	0.090
41	3.42	1.20	0.400	0.277	(0.360)	0.124
42	3.50	1.30	0.434	0.277	(0.390)	0.157
43	3.58	1.40	0.467	0.277	(0.420)	0.190
44	3.67	1.40	0.467	0.277	(0.420)	0.190
45	3.75	1.50	0.500	0.277	(0.450)	0.224
46	3.83	1.50	0.500	0.277	(0.450)	0.224
47	3.92	1.60	0.534	0.277	(0.480)	0.257
48	4.00	1.60	0.534	0.277	(0.480)	0.257
49	4.08	1.70	0.567	0.277	(0.510)	0.290
50	4.17	1.80	0.600	0.277	(0.540)	0.324
51	4.25	1.90	0.634	0.277	(0.570)	0.357
52	4.33	2.00	0.667	0.277	(0.600)	0.390
53	4.42	2.10	0.700	0.277	(0.630)	0.424
54	4.50	2.10	0.700	0.277	(0.630)	0.424
55	4.58	2.20	0.734	0.277	(0.660)	0.457
56	4.67	2.30	0.767	0.277	(0.690)	0.491
57	4.75	2.40	0.800	0.277	(0.720)	0.524
58	4.83	2.40	0.800	0.277	(0.720)	0.524
59	4.92	2.50	0.834	0.277	(0.750)	0.557
60	5.00	2.60	0.867	0.277	(0.780)	0.591
61	5.08	3.10	1.034	0.277	(0.931)	0.757
62	5.17	3.60	1.201	0.277	(1.081)	0.924
63	5.25	3.90	1.301	0.277	(1.171)	1.024
64	5.33	4.20	1.401	0.277	(1.261)	1.124
65	5.42	4.70	1.568	0.277	(1.411)	1.291
66	5.50	5.60	1.868	0.277	(1.681)	1.591
67	5.58	1.90	0.634	0.277	(0.570)	0.357
68	5.67	0.90	0.300	(0.277)	0.270	0.030
69	5.75	0.60	0.200	(0.277)	0.180	0.020
70	5.83	0.50	0.167	(0.277)	0.150	0.017
71	5.92	0.30	0.100	(0.277)	0.090	0.010
72	6.00	0.20	0.067	(0.277)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.5

Flood volume = Effective rainfall 1.29(In)
times area 65.8(Ac.)/[(In)/(Ft.)] = 7.1(Ac.Ft)

Total soil loss = 1.49(In)

Total soil loss = 8.151(Ac.Ft)

Total rainfall = 2.78(In)

Flood volume = 308595.4 Cubic Feet

Total soil loss = 355066.8 Cubic Feet

Peak flow rate of this hydrograph = 83.516(CFS)

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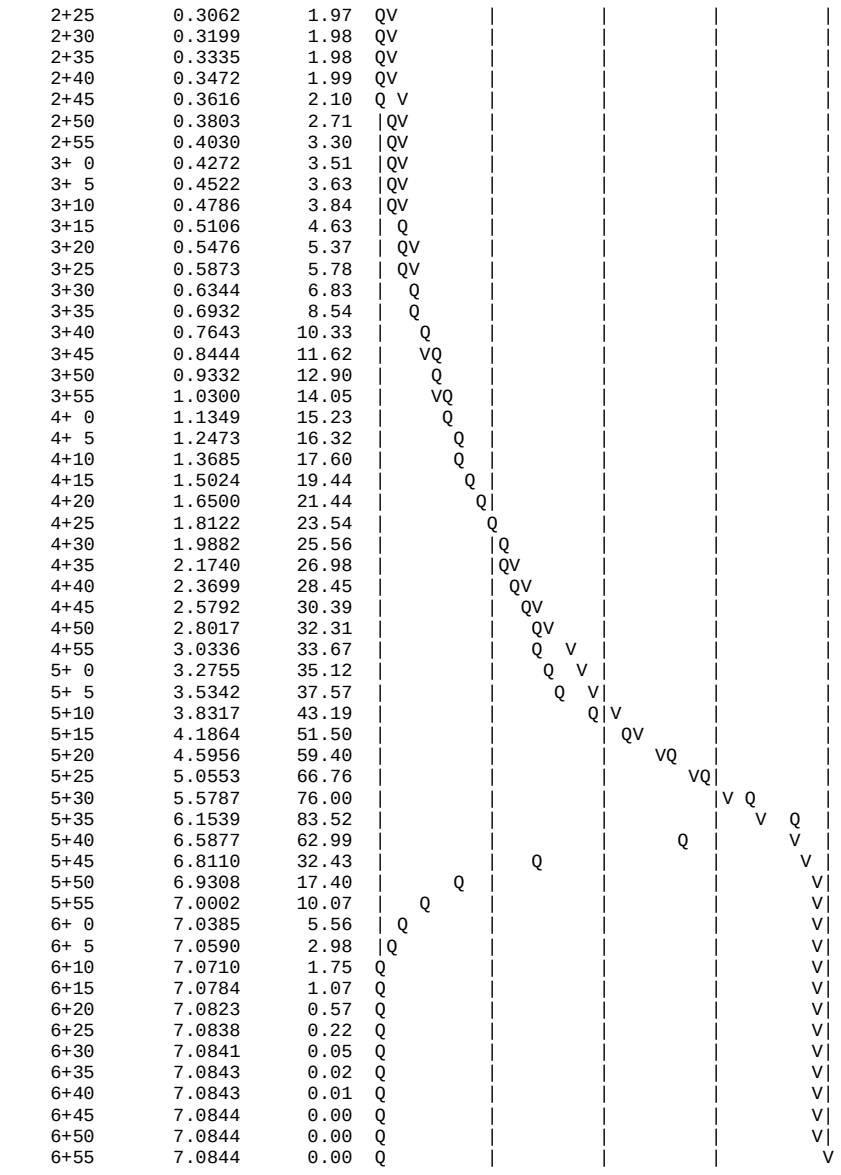
6 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	22.5	45.0	67.5	90.0
0+ 5	0.0005	0.07	Q				
0+10	0.0036	0.46	Q				
0+15	0.0098	0.90	Q				
0+20	0.0174	1.10	Q				
0+25	0.0257	1.20	Q				
0+30	0.0345	1.28	Q				
0+35	0.0440	1.38	Q				
0+40	0.0541	1.47	Q				
0+45	0.0645	1.50	Q				
0+50	0.0750	1.52	Q				
0+55	0.0856	1.54	Q				
1+ 0	0.0963	1.56	Q				
1+ 5	0.1076	1.63	Q				
1+10	0.1193	1.71	Q				
1+15	0.1313	1.74	Q				
1+20	0.1433	1.75	Q				
1+25	0.1555	1.76	Q				
1+30	0.1676	1.77	Q				
1+35	0.1798	1.77	QV				
1+40	0.1920	1.77	QV				
1+45	0.2042	1.77	QV				
1+50	0.2163	1.77	QV				
1+55	0.2285	1.77	QV				
2+ 0	0.2408	1.78	QV				
2+ 5	0.2535	1.85	QV				
2+10	0.2663	1.86	QV				
2+15	0.2793	1.89	QV				
2+20	0.2927	1.95	QV				



U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/14/23 File: mesae924100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 9
6/14/23

Drainage Area = 65.78(Ac.) = 0.103 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 65.78(Ac.) = 0.103 Sq. Mi.
Length along longest watercourse = 2844.00(Ft.)
Length along longest watercourse measured to centroid = 1164.00(Ft.)
Length along longest watercourse = 0.539 Mi.
Length along longest watercourse measured to centroid = 0.220 Mi.
Difference in elevation = 124.00(Ft.)
Slope along watercourse = 230.2110 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.133 Hr.
Lag time = 7.98 Min.
25% of lag time = 1.99 Min.
40% of lag time = 3.19 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.78	2.45	161.16

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
65.78	6.08	399.94

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.079(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.000	51.00	0.000
30.840	70.00	0.000
2.090	80.00	0.000
32.850	84.00	0.000

Total Area Entered = 65.78(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.000	0.000
70.0	70.0	0.362	0.000	0.362	0.469	0.170
80.0	80.0	0.244	0.000	0.244	0.032	0.008
84.0	84.0	0.198	0.000	0.198	0.499	0.099
					Sum (F) =	0.277

Area averaged mean soil loss (F) (In/Hr) = 0.277
Minimum soil loss rate ((In/Hr)) = 0.138
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	62.660	5.978	3.963
2	0.167	125.320	34.357	22.777
3	0.250	187.980	32.705	21.681
4	0.333	250.640	11.969	7.935
5	0.417	313.300	6.851	4.542
6	0.500	375.960	4.022	2.667
7	0.583	438.619	2.032	1.347
8	0.667	501.279	0.784	0.520
9	0.750	563.939	0.501	0.332
10	0.833	626.599	0.441	0.292
11	0.917	689.259	0.268	0.177
12	1.000	751.919	0.093	0.062
			Sum = 100.000	Sum= 66.294

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1 0.08	0.07	0.049	(0.490)	0.044	0.005

2	0.17	0.07	0.049	(0.488)	0.044	0.005
3	0.25	0.07	0.049	(0.486)	0.044	0.005
4	0.33	0.10	0.073	(0.485)	0.066	0.007
5	0.42	0.10	0.073	(0.483)	0.066	0.007
6	0.50	0.10	0.073	(0.481)	0.066	0.007
7	0.58	0.10	0.073	(0.479)	0.066	0.007
8	0.67	0.10	0.073	(0.477)	0.066	0.007
9	0.75	0.10	0.073	(0.475)	0.066	0.007
10	0.83	0.13	0.097	(0.473)	0.088	0.010
11	0.92	0.13	0.097	(0.471)	0.088	0.010
12	1.00	0.13	0.097	(0.470)	0.088	0.010
13	1.08	0.10	0.073	(0.468)	0.066	0.007
14	1.17	0.10	0.073	(0.466)	0.066	0.007
15	1.25	0.10	0.073	(0.464)	0.066	0.007
16	1.33	0.10	0.073	(0.462)	0.066	0.007
17	1.42	0.10	0.073	(0.460)	0.066	0.007
18	1.50	0.10	0.073	(0.459)	0.066	0.007
19	1.58	0.10	0.073	(0.457)	0.066	0.007
20	1.67	0.10	0.073	(0.455)	0.066	0.007
21	1.75	0.10	0.073	(0.453)	0.066	0.007
22	1.83	0.13	0.097	(0.451)	0.088	0.010
23	1.92	0.13	0.097	(0.449)	0.088	0.010
24	2.00	0.13	0.097	(0.448)	0.088	0.010
25	2.08	0.13	0.097	(0.446)	0.088	0.010
26	2.17	0.13	0.097	(0.444)	0.088	0.010
27	2.25	0.13	0.097	(0.442)	0.088	0.010
28	2.33	0.13	0.097	(0.440)	0.088	0.010
29	2.42	0.13	0.097	(0.439)	0.088	0.010
30	2.50	0.13	0.097	(0.437)	0.088	0.010
31	2.58	0.17	0.122	(0.435)	0.109	0.012
32	2.67	0.17	0.122	(0.433)	0.109	0.012
33	2.75	0.17	0.122	(0.431)	0.109	0.012
34	2.83	0.17	0.122	(0.430)	0.109	0.012
35	2.92	0.17	0.122	(0.428)	0.109	0.012
36	3.00	0.17	0.122	(0.426)	0.109	0.012
37	3.08	0.17	0.122	(0.424)	0.109	0.012
38	3.17	0.17	0.122	(0.423)	0.109	0.012
39	3.25	0.17	0.122	(0.421)	0.109	0.012
40	3.33	0.17	0.122	(0.419)	0.109	0.012
41	3.42	0.17	0.122	(0.417)	0.109	0.012
42	3.50	0.17	0.122	(0.416)	0.109	0.012
43	3.58	0.17	0.122	(0.414)	0.109	0.012
44	3.67	0.17	0.122	(0.412)	0.109	0.012
45	3.75	0.17	0.122	(0.410)	0.109	0.012
46	3.83	0.20	0.146	(0.409)	0.131	0.015
47	3.92	0.20	0.146	(0.407)	0.131	0.015
48	4.00	0.20	0.146	(0.405)	0.131	0.015
49	4.08	0.20	0.146	(0.403)	0.131	0.015
50	4.17	0.20	0.146	(0.402)	0.131	0.015
51	4.25	0.20	0.146	(0.400)	0.131	0.015
52	4.33	0.23	0.170	(0.398)	0.153	0.017
53	4.42	0.23	0.170	(0.397)	0.153	0.017
54	4.50	0.23	0.170	(0.395)	0.153	0.017
55	4.58	0.23	0.170	(0.393)	0.153	0.017
56	4.67	0.23	0.170	(0.392)	0.153	0.017
57	4.75	0.23	0.170	(0.390)	0.153	0.017
58	4.83	0.27	0.195	(0.388)	0.175	0.019
59	4.92	0.27	0.195	(0.386)	0.175	0.019
60	5.00	0.27	0.195	(0.385)	0.175	0.019
61	5.08	0.20	0.146	(0.383)	0.131	0.015
62	5.17	0.20	0.146	(0.381)	0.131	0.015
63	5.25	0.20	0.146	(0.380)	0.131	0.015
64	5.33	0.23	0.170	(0.378)	0.153	0.017
65	5.42	0.23	0.170	(0.377)	0.153	0.017
66	5.50	0.23	0.170	(0.375)	0.153	0.017
67	5.58	0.27	0.195	(0.373)	0.175	0.019
68	5.67	0.27	0.195	(0.372)	0.175	0.019
69	5.75	0.27	0.195	(0.370)	0.175	0.019
70	5.83	0.27	0.195	(0.368)	0.175	0.019
71	5.92	0.27	0.195	(0.367)	0.175	0.019
72	6.00	0.27	0.195	(0.365)	0.175	0.019
73	6.08	0.30	0.219	(0.363)	0.197	0.022
74	6.17	0.30	0.219	(0.362)	0.197	0.022
75	6.25	0.30	0.219	(0.360)	0.197	0.022
76	6.33	0.30	0.219	(0.359)	0.197	0.022
77	6.42	0.30	0.219	(0.357)	0.197	0.022
78	6.50	0.30	0.219	(0.355)	0.197	0.022
79	6.58	0.33	0.243	(0.354)	0.219	0.024
80	6.67	0.33	0.243	(0.352)	0.219	0.024
81	6.75	0.33	0.243	(0.351)	0.219	0.024
82	6.83	0.33	0.243	(0.349)	0.219	0.024
83	6.92	0.33	0.243	(0.347)	0.219	0.024
84	7.00	0.33	0.243	(0.346)	0.219	0.024
85	7.08	0.33	0.243	(0.344)	0.219	0.024
86	7.17	0.33	0.243	(0.343)	0.219	0.024
87	7.25	0.33	0.243	(0.341)	0.219	0.024
88	7.33	0.37	0.267	(0.340)	0.241	0.027
89	7.42	0.37	0.267	(0.338)	0.241	0.027
90	7.50	0.37	0.267	(0.336)	0.241	0.027
91	7.58	0.40	0.292	(0.335)	0.263	0.029
92	7.67	0.40	0.292	(0.333)	0.263	0.029
93	7.75	0.40	0.292	(0.332)	0.263	0.029
94	7.83	0.43	0.316	(0.330)	0.285	0.032
95	7.92	0.43	0.316	(0.329)	0.285	0.032
96	8.00	0.43	0.316	(0.327)	0.285	0.032
97	8.08	0.50	0.365	0.326	(0.328)	0.039
98	8.17	0.50	0.365	0.324	(0.328)	0.041
99	8.25	0.50	0.365	0.323	(0.328)	0.042
100	8.33	0.50	0.365	0.321	(0.328)	0.044
101	8.42	0.50	0.365	0.320	(0.328)	0.045
102	8.50	0.50	0.365	0.318	(0.328)	0.047
103	8.58	0.53	0.389	0.317	(0.350)	0.072
104	8.67	0.53	0.389	0.315	(0.350)	0.074
105	8.75	0.53	0.389	0.314	(0.350)	0.075
106	8.83	0.57	0.413	0.312	(0.372)	0.101
107	8.92	0.57	0.413	0.311	(0.372)	0.103
108	9.00	0.57	0.413	0.309	(0.372)	0.104
109	9.08	0.63	0.462	0.308	(0.416)	0.154
110	9.17	0.63	0.462	0.306	(0.416)	0.156
111	9.25	0.63	0.462	0.305	(0.416)	0.157
112	9.33	0.67	0.486	0.303	(0.438)	0.183
113	9.42	0.67	0.486	0.302	(0.438)	0.184
114	9.50	0.67	0.486	0.301	(0.438)	0.186
115	9.58	0.70	0.511	0.299	(0.460)	0.211
116	9.67	0.70	0.511	0.298	(0.460)	0.213
117	9.75	0.70	0.511	0.296	(0.460)	0.214
118	9.83	0.73	0.535	0.295	(0.481)	0.240
119	9.92	0.73	0.535	0.293	(0.481)	0.242
120	10.00	0.73	0.535	0.292	(0.481)	0.243
121	10.08	0.50	0.365	0.291	(0.328)	0.074

122	10.17	0.50	0.365	0.289	(0.328)	0.076
123	10.25	0.50	0.365	0.288	(0.328)	0.077
124	10.33	0.50	0.365	0.286	(0.328)	0.078
125	10.42	0.50	0.365	0.285	(0.328)	0.080
126	10.50	0.50	0.365	0.284	(0.328)	0.081
127	10.58	0.67	0.486	0.282	(0.438)	0.204
128	10.67	0.67	0.486	0.281	(0.438)	0.205
129	10.75	0.67	0.486	0.279	(0.438)	0.207
130	10.83	0.67	0.486	0.278	(0.438)	0.208
131	10.92	0.67	0.486	0.277	(0.438)	0.210
132	11.00	0.67	0.486	0.275	(0.438)	0.211
133	11.08	0.63	0.462	0.274	(0.416)	0.188
134	11.17	0.63	0.462	0.273	(0.416)	0.189
135	11.25	0.63	0.462	0.271	(0.416)	0.191
136	11.33	0.63	0.462	0.270	(0.416)	0.192
137	11.42	0.63	0.462	0.269	(0.416)	0.193
138	11.50	0.63	0.462	0.267	(0.416)	0.195
139	11.58	0.57	0.413	0.266	(0.372)	0.147
140	11.67	0.57	0.413	0.265	(0.372)	0.149
141	11.75	0.57	0.413	0.263	(0.372)	0.150
142	11.83	0.60	0.438	0.262	(0.394)	0.176
143	11.92	0.60	0.438	0.261	(0.394)	0.177
144	12.00	0.60	0.438	0.259	(0.394)	0.178
145	12.08	0.83	0.608	0.258	(0.547)	0.350
146	12.17	0.83	0.608	0.257	(0.547)	0.351
147	12.25	0.83	0.608	0.256	(0.547)	0.352
148	12.33	0.87	0.632	0.254	(0.569)	0.378
149	12.42	0.87	0.632	0.253	(0.569)	0.379
150	12.50	0.87	0.632	0.252	(0.569)	0.380
151	12.58	0.93	0.681	0.250	(0.613)	0.430
152	12.67	0.93	0.681	0.249	(0.613)	0.432
153	12.75	0.93	0.681	0.248	(0.613)	0.433
154	12.83	0.97	0.705	0.247	(0.635)	0.458
155	12.92	0.97	0.705	0.245	(0.635)	0.460
156	13.00	0.97	0.705	0.244	(0.635)	0.461
157	13.08	1.13	0.827	0.243	(0.744)	0.584
158	13.17	1.13	0.827	0.242	(0.744)	0.585
159	13.25	1.13	0.827	0.241	(0.744)	0.586
160	13.33	1.13	0.827	0.239	(0.744)	0.587
161	13.42	1.13	0.827	0.238	(0.744)	0.589
162	13.50	1.13	0.827	0.237	(0.744)	0.590
163	13.58	0.77	0.559	0.236	(0.503)	0.324
164	13.67	0.77	0.559	0.234	(0.503)	0.325
165	13.75	0.77	0.559	0.233	(0.503)	0.326
166	13.83	0.77	0.559	0.232	(0.503)	0.327
167	13.92	0.77	0.559	0.231	(0.503)	0.328
168	14.00	0.77	0.559	0.230	(0.503)	0.330
169	14.08	0.90	0.657	0.229	(0.591)	0.428
170	14.17	0.90	0.657	0.227	(0.591)	0.429
171	14.25	0.90	0.657	0.226	(0.591)	0.430
172	14.33	0.87	0.632	0.225	(0.569)	0.407
173	14.42	0.87	0.632	0.224	(0.569)	0.408
174	14.50	0.87	0.632	0.223	(0.569)	0.409
175	14.58	0.87	0.632	0.222	(0.569)	0.411
176	14.67	0.87	0.632	0.220	(0.569)	0.412
177	14.75	0.87	0.632	0.219	(0.569)	0.413
178	14.83	0.83	0.608	0.218	(0.547)	0.390
179	14.92	0.83	0.608	0.217	(0.547)	0.391
180	15.00	0.83	0.608	0.216	(0.547)	0.392
181	15.08	0.80	0.584	0.215	(0.525)	0.369
182	15.17	0.80	0.584	0.214	(0.525)	0.370
183	15.25	0.80	0.584	0.213	(0.525)	0.371
184	15.33	0.77	0.559	0.212	(0.503)	0.348
185	15.42	0.77	0.559	0.211	(0.503)	0.349
186	15.50	0.77	0.559	0.209	(0.503)	0.350
187	15.58	0.63	0.462	0.208	(0.416)	0.254
188	15.67	0.63	0.462	0.207	(0.416)	0.255
189	15.75	0.63	0.462	0.206	(0.416)	0.256
190	15.83	0.63	0.462	0.205	(0.416)	0.257
191	15.92	0.63	0.462	0.204	(0.416)	0.258
192	16.00	0.63	0.462	0.203	(0.416)	0.259
193	16.08	0.13	0.097	(0.202)	0.088	0.010
194	16.17	0.13	0.097	(0.201)	0.088	0.010
195	16.25	0.13	0.097	(0.200)	0.088	0.010
196	16.33	0.13	0.097	(0.199)	0.088	0.010
197	16.42	0.13	0.097	(0.198)	0.088	0.010
198	16.50	0.13	0.097	(0.197)	0.088	0.010
199	16.58	0.10	0.073	(0.196)	0.066	0.007
200	16.67	0.10	0.073	(0.195)	0.066	0.007
201	16.75	0.10	0.073	(0.194)	0.066	0.007
202	16.83	0.10	0.073	(0.193)	0.066	0.007
203	16.92	0.10	0.073	(0.192)	0.066	0.007
204	17.00	0.10	0.073	(0.191)	0.066	0.007
205	17.08	0.17	0.122	(0.190)	0.109	0.012
206	17.17	0.17	0.122	(0.189)	0.109	0.012
207	17.25	0.17	0.122	(0.188)	0.109	0.012
208	17.33	0.17	0.122	(0.187)	0.109	0.012
209	17.42	0.17	0.122	(0.186)	0.109	0.012
210	17.50	0.17	0.122	(0.185)	0.109	0.012
211	17.58	0.17	0.122	(0.184)	0.109	0.012
212	17.67	0.17	0.122	(0.183)	0.109	0.012
213	17.75	0.17	0.122	(0.183)	0.109	0.012
214	17.83	0.13	0.097	(0.182)	0.088	0.010
215	17.92	0.13	0.097	(0.181)	0.088	0.010
216	18.00	0.13	0.097	(0.180)	0.088	0.010
217	18.08	0.13	0.097	(0.179)	0.088	0.010
218	18.17	0.13	0.097	(0.178)	0.088	0.010
219	18.25	0.13	0.097	(0.177)	0.088	0.010
220	18.33	0.13	0.097	(0.176)	0.088	0.010
221	18.42	0.13	0.097	(0.176)	0.088	0.010
222	18.50	0.13	0.097	(0.175)	0.088	0.010
223	18.58	0.10	0.073	(0.174)	0.066	0.007
224	18.67	0.10	0.073	(0.173)	0.066	0.007
225	18.75	0.10	0.073	(0.172)	0.066	0.007
226	18.83	0.07	0.049	(0.171)	0.044	0.005
227	18.92	0.07	0.049	(0.171)	0.044	0.005
228	19.00	0.07	0.049	(0.170)	0.044	0.005
229	19.08	0.10	0.073	(0.169)	0.066	0.007
230	19.17	0.10	0.073	(0.168)	0.066	0.007
231	19.25	0.10	0.073	(0.167)	0.066	0.007
232	19.33	0.13	0.097	(0.167)	0.088	0.010
233	19.42	0.13	0.097	(0.166)	0.088	0.010
234	19.50	0.13	0.097	(0.165)	0.088	0.010
235	19.58	0.10	0.073	(0.164)	0.066	0.007
236	19.67	0.10	0.073	(0.164)	0.066	0.007
237	19.75	0.10	0.073	(0.163)	0.066	0.007
238	19.83	0.07	0.049	(0.162)	0.044	0.005
239	19.92	0.07	0.049	(0.161)	0.044	0.005
240	20.00	0.07	0.049	(0.161)	0.044	0.005
241	20.08	0.10	0.073	(0.160)	0.066	0.007

242	20.17	0.10	0.073	(	0.159)	0.066	0.007
243	20.25	0.10	0.073	(	0.158)	0.066	0.007
244	20.33	0.10	0.073	(	0.158)	0.066	0.007
245	20.42	0.10	0.073	(	0.157)	0.066	0.007
246	20.50	0.10	0.073	(	0.156)	0.066	0.007
247	20.58	0.10	0.073	(	0.156)	0.066	0.007
248	20.67	0.10	0.073	(	0.155)	0.066	0.007
249	20.75	0.10	0.073	(	0.155)	0.066	0.007
250	20.83	0.07	0.049	(	0.154)	0.044	0.005
251	20.92	0.07	0.049	(	0.153)	0.044	0.005
252	21.00	0.07	0.049	(	0.153)	0.044	0.005
253	21.08	0.10	0.073	(	0.152)	0.066	0.007
254	21.17	0.10	0.073	(	0.151)	0.066	0.007
255	21.25	0.10	0.073	(	0.151)	0.066	0.007
256	21.33	0.07	0.049	(	0.150)	0.044	0.005
257	21.42	0.07	0.049	(	0.150)	0.044	0.005
258	21.50	0.07	0.049	(	0.149)	0.044	0.005
259	21.58	0.10	0.073	(	0.149)	0.066	0.007
260	21.67	0.10	0.073	(	0.148)	0.066	0.007
261	21.75	0.10	0.073	(	0.148)	0.066	0.007
262	21.83	0.07	0.049	(	0.147)	0.044	0.005
263	21.92	0.07	0.049	(	0.147)	0.044	0.005
264	22.00	0.07	0.049	(	0.146)	0.044	0.005
265	22.08	0.10	0.073	(	0.146)	0.066	0.007
266	22.17	0.10	0.073	(	0.145)	0.066	0.007
267	22.25	0.10	0.073	(	0.145)	0.066	0.007
268	22.33	0.07	0.049	(	0.144)	0.044	0.005
269	22.42	0.07	0.049	(	0.144)	0.044	0.005
270	22.50	0.07	0.049	(	0.143)	0.044	0.005
271	22.58	0.07	0.049	(	0.143)	0.044	0.005
272	22.67	0.07	0.049	(	0.142)	0.044	0.005
273	22.75	0.07	0.049	(	0.142)	0.044	0.005
274	22.83	0.07	0.049	(	0.142)	0.044	0.005
275	22.92	0.07	0.049	(	0.141)	0.044	0.005
276	23.00	0.07	0.049	(	0.141)	0.044	0.005
277	23.08	0.07	0.049	(	0.141)	0.044	0.005
278	23.17	0.07	0.049	(	0.140)	0.044	0.005
279	23.25	0.07	0.049	(	0.140)	0.044	0.005
280	23.33	0.07	0.049	(	0.140)	0.044	0.005
281	23.42	0.07	0.049	(	0.140)	0.044	0.005
282	23.50	0.07	0.049	(	0.139)	0.044	0.005
283	23.58	0.07	0.049	(	0.139)	0.044	0.005
284	23.67	0.07	0.049	(	0.139)	0.044	0.005
285	23.75	0.07	0.049	(	0.139)	0.044	0.005
286	23.83	0.07	0.049	(	0.139)	0.044	0.005
287	23.92	0.07	0.049	(	0.138)	0.044	0.005
288	24.00	0.07	0.049	(	0.138)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 28.2

Flood volume = Effective rainfall 2.35(In)
times area 65.8(Ac.)/[(In)/(Ft.)] = 12.9(Ac.Ft)
Total soil loss = 3.73(In)
Total soil loss = 20.461(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 560341.4 Cubic Feet
Total soil loss = 891263.0 Cubic Feet

Peak flow rate of this hydrograph = 38.611(CFS)

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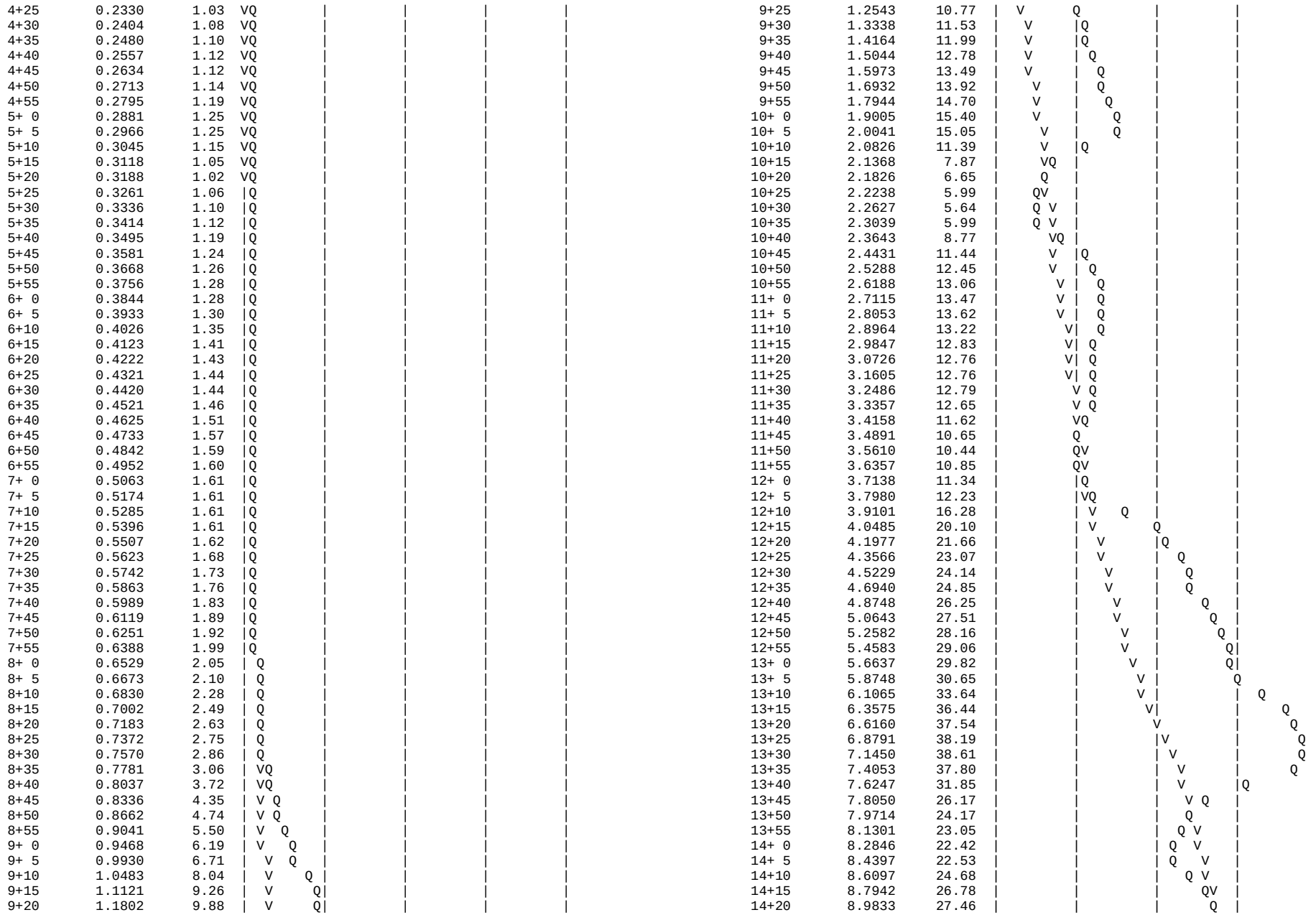
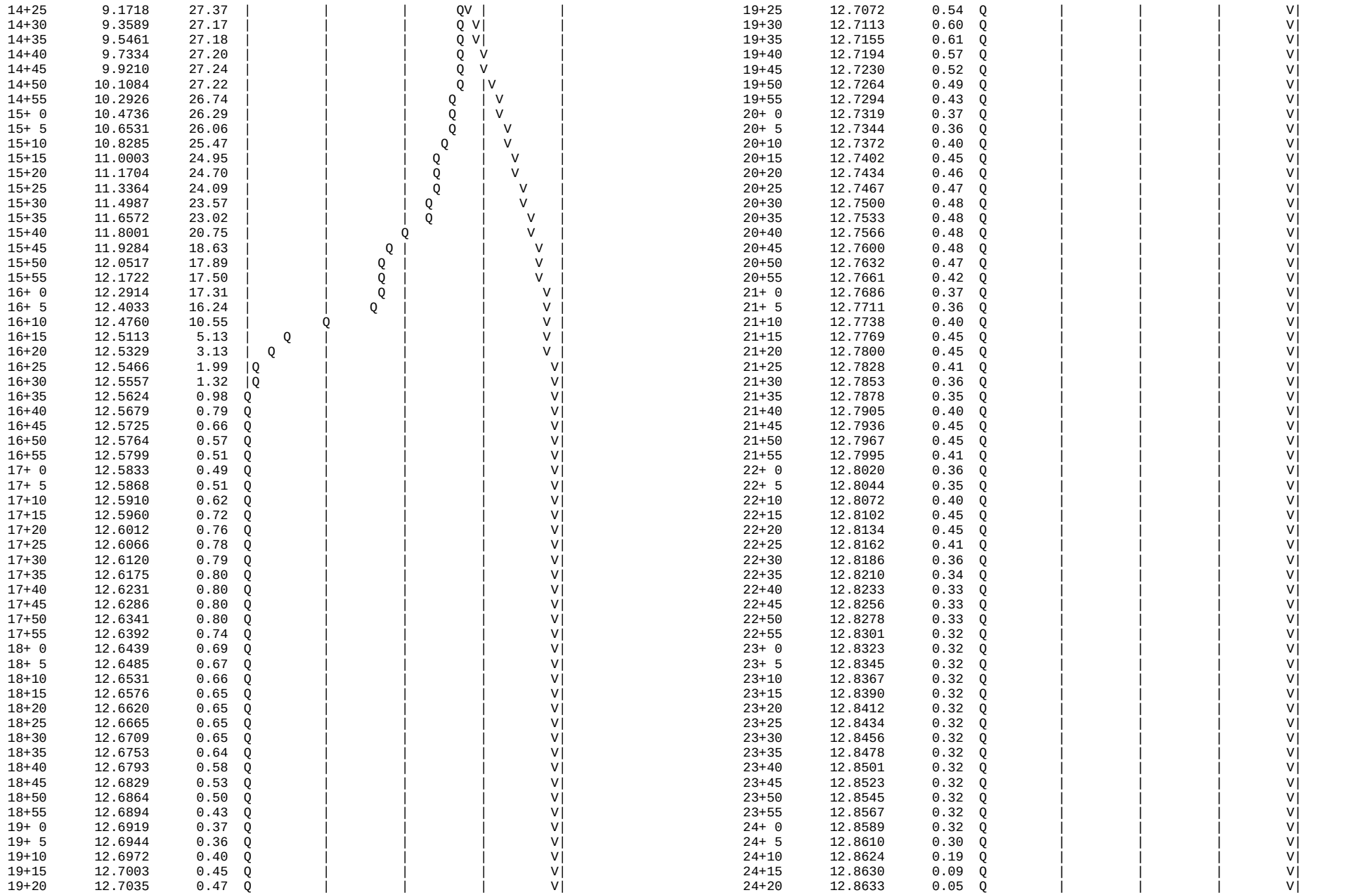
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0001	0.02	Q	|	|	|	|
0+10	0.0010	0.13	Q	|	|	|	|
0+15	0.0027	0.24	Q	|	|	|	|
0+20	0.0046	0.28	Q	|	|	|	|
0+25	0.0071	0.36	Q	|	|	|	|
0+30	0.0100	0.43	Q	|	|	|	|
0+35	0.0132	0.45	Q	|	|	|	|
0+40	0.0164	0.47	Q	|	|	|	|
0+45	0.0196	0.47	Q	|	|	|	|
0+50	0.0230	0.49	Q	|	|	|	|
0+55	0.0268	0.55	Q	|	|	|	|
1+ 0	0.0309	0.60	Q	|	|	|	|
1+ 5	0.0351	0.61	Q	|	|	|	|
1+10	0.0390	0.57	Q	|	|	|	|
1+15	0.0426	0.52	Q	|	|	|	|
1+20	0.0461	0.50	Q	|	|	|	|
1+25	0.0495	0.49	Q	|	|	|	|
1+30	0.0529	0.49	Q	|	|	|	|
1+35	0.0562	0.49	Q	|	|	|	|
1+40	0.0596	0.49	Q	|	|	|	|
1+45	0.0629	0.49	Q	|	|	|	|
1+50	0.0663	0.49	Q	|	|	|	|
1+55	0.0701	0.55	Q	|	|	|	|
2+ 0	0.0742	0.60	Q	|	|	|	|
2+ 5	0.0785	0.62	Q	|	|	|	|
2+10	0.0829	0.63	Q	|	|	|	|
2+15	0.0872	0.64	Q	|	|	|	|
2+20	0.0917	0.64	Q	|	|	|	|
2+25	0.0961	0.64	Q	|	|	|	|
2+30	0.1005	0.64	Q	|	|	|	|
2+35	0.1050	0.65	Q	|	|	|	|
2+40	0.1099	0.71	Q	|	|	|	|
2+45	0.1152	0.76	Q	|	|	|	|
2+50	0.1206	0.78	Q	|	|	|	|
2+55	0.1260	0.79	Q	|	|	|	|
3+ 0	0.1315	0.80	Q	|	|	|	|
3+ 5	0.1371	0.80	Q	|	|	|	|
3+10	0.1426	0.80	Q	|	|	|	|
3+15	0.1482	0.81	Q	|	|	|	|
3+20	0.1537	0.81	Q	|	|	|	|
3+25	0.1593	0.81	Q	|	|	|	|
3+30	0.1648	0.81	Q	|	|	|	|
3+35	0.1704	0.81	Q	|	|	|	|
3+40	0.1759	0.81	Q	|	|	|	|
3+45	0.1815	0.81	Q	|	|	|	|
3+50	0.1871	0.82	Q	|	|	|	|
3+55	0.1931	0.87	Q	|	|	|	|
4+ 0	0.1995	0.92	Q	|	|	|	|
4+ 5	0.2060	0.94	Q	|	|	|	|
4+10	0.2125	0.95	Q	|	|	|	|
4+15	0.2192	0.96	Q	|	|	|	|
4+20	0.2259	0.97	Q	|	|	|	|





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   24+25      12.8635      0.03  Q         |         |         |        V|
   24+30      12.8636      0.01  Q         |         |         |        V|
   24+35      12.8636      0.01  Q         |         |         |        V|
   24+40      12.8636      0.00  Q         |         |         |        V|
   24+45      12.8637      0.00  Q         |         |         |        V|
   24+50      12.8637      0.00  Q         |         |         |        V|
   24+55      12.8637      0.00  Q         |         |         |         V
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AREA TRIBUTARY TO CP10

(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 06/14/23 File: mesae103100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 10
6/14/23

Drainage Area = 512.41(Ac.) = 0.801 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 512.41(Ac.) = 0.801 Sq. Mi.
Length along longest watercourse = 6347.00(Ft.)
Length along longest watercourse measured to centroid = 3312.00(Ft.)
Length along longest watercourse = 1.202 Mi.
Length along longest watercourse measured to centroid = 0.627 Mi.
Difference in elevation = 260.00(Ft.)
Slope along watercourse = 216.2912 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.272 Hr.
Lag time = 16.30 Min.
25% of lag time = 4.07 Min.
40% of lag time = 6.52 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
512.41	0.94	481.67

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
512.41	1.97	1009.45

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.78 %
Adjusted average point rain = 1.966(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
8.980	51.00	0.000
220.180	70.00	0.000
108.030	80.00	0.000
73.960	84.00	0.000
15.060	69.00	0.050
3.330	79.00	0.050
6.420	84.00	0.050
0.820	89.00	0.900
42.420	92.00	0.900
6.570	94.00	0.900
7.690	95.00	0.900
6.530	85.00	0.750
8.080	90.00	0.750
3.860	75.00	0.380
0.480	83.00	0.380

Total Area Entered = 512.41(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.018	0.010
70.0	70.0	0.362	0.000	0.362	0.430	0.156
80.0	80.0	0.244	0.000	0.244	0.211	0.051
84.0	84.0	0.198	0.000	0.198	0.144	0.029
69.0	69.0	0.373	0.050	0.356	0.029	0.010
79.0	79.0	0.256	0.050	0.244	0.006	0.002
84.0	84.0	0.198	0.050	0.189	0.013	0.002
89.0	89.0	0.141	0.900	0.027	0.002	0.000
92.0	92.0	0.104	0.900	0.020	0.083	0.002
94.0	94.0	0.078	0.900	0.015	0.013	0.000
95.0	95.0	0.065	0.900	0.012	0.015	0.000
85.0	85.0	0.187	0.750	0.061	0.013	0.001
90.0	90.0	0.130	0.750	0.042	0.016	0.001
75.0	75.0	0.303	0.380	0.199	0.008	0.002
83.0	83.0	0.210	0.380	0.138	0.001	0.000
					Sum (F) =	0.265

Area averaged mean soil loss (F) (In/Hr) = 0.265
Minimum soil loss rate ((In/Hr)) = 0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.800

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	30.675	2.212	11.424
2	0.167	61.351	7.144	36.895
3	0.250	92.026	14.535	75.062
4	0.333	122.701	29.841	154.104
5	0.417	153.376	14.402	74.374
6	0.500	184.052	8.112	41.892
7	0.583	214.727	5.899	30.464
8	0.667	245.402	4.420	22.827
9	0.750	276.077	3.456	17.847
10	0.833	306.753	2.679	13.834
11	0.917	337.428	2.072	10.701
12	1.000	368.103	1.517	7.831
13	1.083	398.778	1.137	5.872
14	1.167	429.454	0.642	3.315
15	1.250	460.129	0.365	1.886
16	1.333	490.804	0.321	1.655
17	1.417	521.479	0.277	1.429
18	1.500	552.155	0.190	0.980
19	1.583	582.830	0.219	1.130
20	1.667	613.505	0.234	1.206
21	1.750	644.180	0.142	0.733
22	1.833	674.856	0.103	0.530
23	1.917	705.531	0.082	0.424
		Sum = 100.000	Sum=	516.413

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	(0.265)	0.245	0.061
2	0.17	1.30	0.307	(0.265)	0.245	0.061
3	0.25	1.10	0.259	(0.265)	0.208	0.052
4	0.33	1.50	0.354	0.265	(0.283)	0.089
5	0.42	1.50	0.354	0.265	(0.283)	0.089
6	0.50	1.80	0.425	0.265	(0.340)	0.160
7	0.58	1.50	0.354	0.265	(0.283)	0.089
8	0.67	1.80	0.425	0.265	(0.340)	0.160
9	0.75	1.80	0.425	0.265	(0.340)	0.160
10	0.83	1.50	0.354	0.265	(0.283)	0.089
11	0.92	1.60	0.377	0.265	(0.302)	0.112
12	1.00	1.80	0.425	0.265	(0.340)	0.160
13	1.08	2.20	0.519	0.265	(0.415)	0.254
14	1.17	2.20	0.519	0.265	(0.415)	0.254
15	1.25	2.20	0.519	0.265	(0.415)	0.254
16	1.33	2.00	0.472	0.265	(0.377)	0.207
17	1.42	2.60	0.613	0.265	(0.491)	0.348
18	1.50	2.70	0.637	0.265	(0.509)	0.372
19	1.58	2.40	0.566	0.265	(0.453)	0.301
20	1.67	2.70	0.637	0.265	(0.509)	0.372
21	1.75	3.30	0.778	0.265	(0.623)	0.513
22	1.83	3.10	0.731	0.265	(0.585)	0.466
23	1.92	2.90	0.684	0.265	(0.547)	0.419
24	2.00	3.00	0.708	0.265	(0.566)	0.443
25	2.08	3.10	0.731	0.265	(0.585)	0.466
26	2.17	4.20	0.991	0.265	(0.793)	0.726
27	2.25	5.00	1.179	0.265	(0.943)	0.914
28	2.33	3.50	0.826	0.265	(0.660)	0.561
29	2.42	6.80	1.604	0.265	(1.283)	1.339
30	2.50	7.30	1.722	0.265	(1.377)	1.457
31	2.58	8.20	1.934	0.265	(1.547)	1.669
32	2.67	5.90	1.392	0.265	(1.113)	1.127
33	2.75	2.00	0.472	0.265	(0.377)	0.207
34	2.83	1.80	0.425	0.265	(0.340)	0.160
35	2.92	1.80	0.425	0.265	(0.340)	0.160
36	3.00	0.60	0.142	(0.265)	0.113	0.028
			(Loss Rate Not Used)			
	Sum =	100.0			Sum =	14.3

Flood volume = Effective rainfall 1.19(In)
times area 512.4(Ac.)/[(In)/(Ft.)] = 50.9(Ac.Ft)
Total soil loss = 0.77(In)
Total soil loss = 33.065(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 2215753.9 Cubic Feet
Total soil loss = 1440326.7 Cubic Feet

Peak flow rate of this hydrograph = 591.118(CFS)

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 150.0 300.0 450.0 600.0
0+ 5	0.0048	0.70	Q
0+10	0.0252	2.96	Q
0+15	0.0766	7.46	Q
0+20	0.1937	16.99	VQ
0+25	0.3466	22.21	VQ
0+30	0.5319	26.90	VQ
0+35	0.7768	35.56	V Q
0+40	1.0717	42.82	V Q
0+45	1.4394	53.38	|V Q
0+50	1.8113	54.00	|V Q
0+55	2.2355	61.60	|V Q
1+ 0	2.6705	63.16	| V Q
1+ 5	3.0840	60.04	| V Q
1+10	3.5507	67.76	| V Q
1+15	4.1195	82.59	| V Q
1+20	4.8101	100.27	| V Q
1+25	5.5623	109.22	| V Q
1+30	6.3651	116.57	| V Q
1+35	7.2182	123.87	| V Q
1+40	8.2178	145.15	| V Q|
1+45	9.3099	158.58	| V Q
1+50	10.4509	165.67	| V |Q
1+55	11.7273	185.32	| V| Q
2+ 0	13.1642	208.63	| V Q
2+ 5	14.6341	213.44	| |V Q
2+10	16.1287	217.01	| | V Q
2+15	17.7478	235.10	| | V Q
2+20	19.5680	264.29	| | V Q
2+25	21.7600	318.27	| | V |Q
2+30	24.3275	372.80	| | V| Q
2+35	27.1528	410.23	| | |V Q |

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   2+40      30.8143    531.66  |         |         |   V     |    Q    |
   2+45      34.8854    591.12  |         |         |      V  |         Q|
   2+50      38.9403    588.78  |         |         |         V         Q|
   2+55      42.2330    478.10  |         |         |          |Q V       |
   3+ 0      44.4417    320.71  |         |         |Q         |   V      |
   3+ 5      46.0922    239.64  |         |    Q    |          |     V    |
   3+10      47.3819    187.27  |         | Q       |          |      V   |
   3+15      48.3164    135.69  |         Q|         |          |      V   |
   3+20      48.9977     98.93  |     Q   |         |          |       V  |
   3+25      49.5057     73.75  |   Q     |         |          |       V  |
   3+30      49.8789     54.20  |  Q      |         |          |        V |
   3+35      50.1454     38.69  | Q       |         |          |        V |
   3+40      50.3312     26.99  |Q        |         |          |        V |
   3+45      50.4620     18.99  |Q        |         |          |        V |
   3+50      50.5596     14.16  Q         |         |          |        V |
   3+55      50.6367     11.20  Q         |         |          |        V |
   4+ 0      50.6991      9.05  Q         |         |          |        V |
   4+ 5      50.7498      7.37  Q         |         |          |        V |
   4+10      50.7915      6.05  Q         |         |          |        V |
   4+15      50.8231      4.59  Q         |         |          |        V |
   4+20      50.8435      2.96  Q         |         |          |        V |
   4+25      50.8562      1.86  Q         |         |          |        V |
   4+30      50.8626      0.93  Q         |         |          |        V |
   4+35      50.8649      0.32  Q         |         |          |        V |
   4+40      50.8661      0.17  Q         |         |          |        V |
   4+45      50.8666      0.08  Q         |         |          |        V |
   4+50      50.8667      0.01  Q         |         |          |         V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/14/23 File: mesae106100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 10
6/14/23

Drainage Area = 512.41(Ac.) = 0.801 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 512.41(Ac.) = 0.801 Sq. Mi.
Length along longest watercourse = 6347.00(Ft.)
Length along longest watercourse measured to centroid = 3312.00(Ft.)
Length along longest watercourse = 1.202 Mi.
Length along longest watercourse measured to centroid = 0.627 Mi.
Difference in elevation = 260.00(Ft.)
Slope along watercourse = 216.2912 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.272 Hr.
Lag time = 16.30 Min.
25% of lag time = 4.07 Min.
40% of lag time = 6.52 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
512.41	1.35	691.75

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
512.41	2.78	1424.50

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.82 %
Adjusted average point rain = 2.775(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
8.980	51.00	0.000
220.180	70.00	0.000
108.030	80.00	0.000
73.960	84.00	0.000
15.060	69.00	0.050
3.330	79.00	0.050
6.420	84.00	0.050
0.820	89.00	0.900
42.420	92.00	0.900
6.570	94.00	0.900
7.690	95.00	0.900
6.530	85.00	0.750
8.080	90.00	0.750
3.860	75.00	0.380
0.480	83.00	0.380

Total Area Entered = 512.41(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.018	0.010
70.0	70.0	0.362	0.000	0.362	0.430	0.156
80.0	80.0	0.244	0.000	0.244	0.211	0.051
84.0	84.0	0.198	0.000	0.198	0.144	0.029
69.0	69.0	0.373	0.050	0.356	0.029	0.010
79.0	79.0	0.256	0.050	0.244	0.006	0.002
84.0	84.0	0.198	0.050	0.189	0.013	0.002
89.0	89.0	0.141	0.900	0.027	0.002	0.000
92.0	92.0	0.104	0.900	0.020	0.083	0.002
94.0	94.0	0.078	0.900	0.015	0.013	0.000
95.0	95.0	0.065	0.900	0.012	0.015	0.000
85.0	85.0	0.187	0.750	0.061	0.013	0.001
90.0	90.0	0.130	0.750	0.042	0.016	0.001
75.0	75.0	0.303	0.380	0.199	0.008	0.002
83.0	83.0	0.210	0.380	0.138	0.001	0.000
					Sum (F) =	0.265

Area averaged mean soil loss (F) (In/Hr) = 0.265
Minimum soil loss rate ((In/Hr)) = 0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.800

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	30.675	2.212	11.424
2	0.167	61.351	7.144	36.895
3	0.250	92.026	14.535	75.062
4	0.333	122.701	29.841	154.104
5	0.417	153.376	14.402	74.374
6	0.500	184.052	8.112	41.892
7	0.583	214.727	5.899	30.464
8	0.667	245.402	4.420	22.827
9	0.750	276.077	3.456	17.847
10	0.833	306.753	2.679	13.834
11	0.917	337.428	2.072	10.701
12	1.000	368.103	1.517	7.831
13	1.083	398.778	1.137	5.872
14	1.167	429.454	0.642	3.315
15	1.250	460.129	0.365	1.886
16	1.333	490.804	0.321	1.655
17	1.417	521.479	0.277	1.429
18	1.500	552.155	0.190	0.980
19	1.583	582.830	0.219	1.130
20	1.667	613.505	0.234	1.206
21	1.750	644.180	0.142	0.733
22	1.833	674.856	0.103	0.530
23	1.917	705.531	0.082	0.424
		Sum = 100.000	Sum=	516.413

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.265)	0.133	0.033
2	0.17	0.60	0.200	(0.265)	0.160	0.040
3	0.25	0.60	0.200	(0.265)	0.160	0.040
4	0.33	0.60	0.200	(0.265)	0.160	0.040
5	0.42	0.60	0.200	(0.265)	0.160	0.040
6	0.50	0.70	0.233	(0.265)	0.186	0.047
7	0.58	0.70	0.233	(0.265)	0.186	0.047
8	0.67	0.70	0.233	(0.265)	0.186	0.047
9	0.75	0.70	0.233	(0.265)	0.186	0.047
10	0.83	0.70	0.233	(0.265)	0.186	0.047
11	0.92	0.70	0.233	(0.265)	0.186	0.047
12	1.00	0.80	0.266	(0.265)	0.213	0.053
13	1.08	0.80	0.266	(0.265)	0.213	0.053
14	1.17	0.80	0.266	(0.265)	0.213	0.053
15	1.25	0.80	0.266	(0.265)	0.213	0.053
16	1.33	0.80	0.266	(0.265)	0.213	0.053
17	1.42	0.80	0.266	(0.265)	0.213	0.053
18	1.50	0.80	0.266	(0.265)	0.213	0.053
19	1.58	0.80	0.266	(0.265)	0.213	0.053
20	1.67	0.80	0.266	(0.265)	0.213	0.053
21	1.75	0.80	0.266	(0.265)	0.213	0.053
22	1.83	0.80	0.266	(0.265)	0.213	0.053
23	1.92	0.80	0.266	(0.265)	0.213	0.053
24	2.00	0.90	0.300	(0.265)	0.240	0.060
25	2.08	0.80	0.266	(0.265)	0.213	0.053
26	2.17	0.90	0.300	(0.265)	0.240	0.060
27	2.25	0.90	0.300	(0.265)	0.240	0.060
28	2.33	0.90	0.300	(0.265)	0.240	0.060
29	2.42	0.90	0.300	(0.265)	0.240	0.060
30	2.50	0.90	0.300	(0.265)	0.240	0.060
31	2.58	0.90	0.300	(0.265)	0.240	0.060
32	2.67	0.90	0.300	(0.265)	0.240	0.060
33	2.75	1.00	0.333	0.265	(0.266)	0.068
34	2.83	1.00	0.333	0.265	(0.266)	0.068
35	2.92	1.00	0.333	0.265	(0.266)	0.068
36	3.00	1.00	0.333	0.265	(0.266)	0.068
37	3.08	1.00	0.333	0.265	(0.266)	0.068
38	3.17	1.10	0.366	0.265	(0.293)	0.101
39	3.25	1.10	0.366	0.265	(0.293)	0.101
40	3.33	1.10	0.366	0.265	(0.293)	0.101
41	3.42	1.20	0.400	0.265	(0.320)	0.135
42	3.50	1.30	0.433	0.265	(0.346)	0.168
43	3.58	1.40	0.466	0.265	(0.373)	0.201
44	3.67	1.40	0.466	0.265	(0.373)	0.201
45	3.75	1.50	0.500	0.265	(0.400)	0.234
46	3.83	1.50	0.500	0.265	(0.400)	0.234
47	3.92	1.60	0.533	0.265	(0.426)	0.268
48	4.00	1.60	0.533	0.265	(0.426)	0.268
49	4.08	1.70	0.566	0.265	(0.453)	0.301
50	4.17	1.80	0.599	0.265	(0.480)	0.334
51	4.25	1.90	0.633	0.265	(0.506)	0.368
52	4.33	2.00	0.666	0.265	(0.533)	0.401
53	4.42	2.10	0.699	0.265	(0.559)	0.434
54	4.50	2.10	0.699	0.265	(0.559)	0.434
55	4.58	2.20	0.733	0.265	(0.586)	0.468
56	4.67	2.30	0.766	0.265	(0.613)	0.501
57	4.75	2.40	0.799	0.265	(0.639)	0.534
58	4.83	2.40	0.799	0.265	(0.639)	0.534
59	4.92	2.50	0.833	0.265	(0.666)	0.568
60	5.00	2.60	0.866	0.265	(0.693)	0.601
61	5.08	3.10	1.032	0.265	(0.826)	0.767
62	5.17	3.60	1.199	0.265	(0.959)	0.934
63	5.25	3.90	1.299	0.265	(1.039)	1.034
64	5.33	4.20	1.399	0.265	(1.119)	1.134
65	5.42	4.70	1.565	0.265	(1.252)	1.300
66	5.50	5.60	1.865	0.265	(1.492)	1.600
67	5.58	1.90	0.633	0.265	(0.506)	0.368
68	5.67	0.90	0.300	(0.265)	0.240	0.060
69	5.75	0.60	0.200	(0.265)	0.160	0.040
70	5.83	0.50	0.167	(0.265)	0.133	0.033
71	5.92	0.30	0.100	(0.265)	0.080	0.020
72	6.00	0.20	0.067	(0.265)	0.053	0.013
			(Loss Rate Not Used)			
Sum =		100.0			Sum =	16.8

Flood volume = Effective rainfall 1.40(In)
times area 512.4(Ac.)/[(In)/(Ft.)] = 59.7(Ac.Ft)
Total soil loss = 1.38(In)
Total soil loss = 58.793(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 2600815.5 Cubic Feet
Total soil loss = 2561010.7 Cubic Feet

Peak flow rate of this hydrograph = 545.170(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	150.0	300.0	450.0	600.0
0+ 5	0.0026	0.38	Q				
0+10	0.0142	1.69	Q				
0+15	0.0448	4.43	Q				
0+20	0.1141	10.07	Q				
0+25	0.2076	13.57	Q				
0+30	0.3146	15.54	VQ				
0+35	0.4322	17.08	VQ				
0+40	0.5599	18.54	VQ				
0+45	0.6999	20.32	VQ				
0+50	0.8472	21.39	VQ				
0+55	0.9995	22.12	VQ				
1+ 0	1.1561	22.73	VQ				
1+ 5	1.3171	23.38	VQ				
1+10	1.4834	24.15	VQ				
1+15	1.6580	25.35	|Q				
1+20	1.8370	25.99	|Q				
1+25	2.0186	26.38	|Q				
1+30	2.2022	26.66	|Q				
1+35	2.3873	26.88	|Q				
1+40	2.5737	27.06	|Q				
1+45	2.7609	27.19	|Q				
1+50	2.9489	27.30	|Q				
1+55	3.1374	27.37	|QV				
2+ 0	3.3268	27.50	|QV				
2+ 5	3.5176	27.70	|QV				
2+10	3.7107	28.05	|QV				
2+15	3.9093	28.83	|QV				
2+20	4.1078	28.81	|QV				
2+25	4.3118	29.63	|QV				
2+30	4.5188	30.06	| QV				
2+35	4.7275	30.29	| QV				
2+40	4.9373	30.47	| QV				
2+45	5.1487	30.69	| QV				
2+50	5.3628	31.09	| QV				
2+55	5.5816	31.77	| QV				
3+ 0	5.8093	33.06	| QV				
3+ 5	6.0413	33.70	| Q V				
3+10	6.2786	34.45	| Q V				
3+15	6.5261	35.94	| Q V				
3+20	6.7922	38.64	| Q V				
3+25	7.0973	44.30	| Q V				
3+30	7.4314	48.51	| QV				
3+35	7.8041	54.11	| Q V				
3+40	8.2453	64.06	| QV				
3+45	8.7643	75.37	| Q				
3+50	9.3582	86.23	| QV				
3+55	10.0089	94.48	| Q				
4+ 0	10.7278	104.39	| QV				
4+ 5	11.5018	112.39	| Q				
4+10	12.3458	122.55	| Q				
4+15	13.2527	131.68	| Q				
4+20	14.2461	144.24	| Q|				
4+25	15.3373	158.44	| Q				
4+30	16.5289	173.02	| |Q				
4+35	17.8187	187.28	| |VQ				
4+40	19.2007	200.67	| | VQ				
4+45	20.6593	211.78	| | VQ				
4+50	22.2116	225.40	| | VQ				
4+55	23.8609	239.48	| | Q				
5+ 0	25.6021	252.82	| | QV				
5+ 5	27.4300	265.42	| | QV				
5+10	29.3986	285.83	| | Q|				
5+15	31.5800	316.74	| | |Q				
5+20	34.1022	366.22	| | | V Q				
5+25	37.0068	421.75	| | | V Q				
5+30	40.2906	476.82	| | | V |Q				
5+35	43.8970	523.64	| | | | V| Q				
5+40	47.6516	545.17	| | | | |V Q				
5+45	51.1987	515.04	| | | | | Q				
5+50	53.5542	342.02	| | | | Q | V				
5+55	55.1212	227.53	| | | Q | | V				
6+ 0	56.2821	168.57	| | Q| | | | V				
6+ 5	57.1712	129.10	| | Q | | | | V |				
6+10	57.8496	98.50	| | Q | | | | V |				
6+15	58.3589	73.95	| | Q | | | | V|				
6+20	58.7295	53.82	| | Q | | | | V|				
6+25	58.9958	38.67	| | Q | | | | V|				
6+30	59.1847	27.43	|Q | | | | V|				
6+35	59.3137	18.73	|Q | | | | V|				
6+40	59.4068	13.51	Q | | | | V|				
6+45	59.4813	10.82	Q | | | | V|				
6+50	59.5418	8.79	Q | | | | V|				
6+55	59.5901	7.02	Q | | | | V|				
7+ 0	59.6306	5.87	Q | | | | V|				
7+ 5	59.6622	4.59	Q | | | | V|				
7+10	59.6828	3.00	Q | | | | V|				
7+15	59.6957	1.87	Q | | | | V|				
7+20	59.7029	1.04	Q | | | | V|				
7+25	59.7049	0.29	Q | | | | V|				
7+30	59.7057	0.11	Q | | | | V|				
7+35	59.7061	0.07	Q | | | | V|				
7+40	59.7064	0.03	Q | | | | V|				
7+45	59.7065	0.02	Q | | | | V|				
7+50	59.7065	0.01	Q | | | | V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 06/14/23 File: mesae1024100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
EXISTING CONDITION
AREA 10
6/14/23

Drainage Area = 512.41(Ac.) = 0.801 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 512.41(Ac.) = 0.801 Sq. Mi.
Length along longest watercourse = 6347.00(Ft.)
Length along longest watercourse measured to centroid = 3312.00(Ft.)
Length along longest watercourse = 1.202 Mi.
Length along longest watercourse measured to centroid = 0.627 Mi.
Difference in elevation = 260.00(Ft.)
Slope along watercourse = 216.2912 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.272 Hr.
Lag time = 16.30 Min.
25% of lag time = 4.07 Min.
40% of lag time = 6.52 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
512.41	2.45	1255.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
512.41	6.08	3115.45

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.90 %
Adjusted average point rain = 6.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
8.980	51.00	0.000
220.180	70.00	0.000
108.030	80.00	0.000
73.960	84.00	0.000
15.060	69.00	0.050
3.330	79.00	0.050
6.420	84.00	0.050
0.820	89.00	0.900
42.420	92.00	0.900
6.570	94.00	0.900
7.690	95.00	0.900
6.530	85.00	0.750
8.080	90.00	0.750
3.860	75.00	0.380
0.480	83.00	0.380

Total Area Entered = 512.41(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.018	0.010
70.0	70.0	0.362	0.000	0.362	0.430	0.156
80.0	80.0	0.244	0.000	0.244	0.211	0.051
84.0	84.0	0.198	0.000	0.198	0.144	0.029
69.0	69.0	0.373	0.050	0.356	0.029	0.010
79.0	79.0	0.256	0.050	0.244	0.006	0.002
84.0	84.0	0.198	0.050	0.189	0.013	0.002
89.0	89.0	0.141	0.900	0.027	0.002	0.000
92.0	92.0	0.104	0.900	0.020	0.083	0.002
94.0	94.0	0.078	0.900	0.015	0.013	0.000
95.0	95.0	0.065	0.900	0.012	0.015	0.000
85.0	85.0	0.187	0.750	0.061	0.013	0.001
90.0	90.0	0.130	0.750	0.042	0.016	0.001
75.0	75.0	0.303	0.380	0.199	0.008	0.002
83.0	83.0	0.210	0.380	0.138	0.001	0.000
					Sum (F) =	0.265

Area averaged mean soil loss (F) (In/Hr) = 0.265
Minimum soil loss rate ((In/Hr)) = 0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.800

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	30.675	2.212	11.424
2	0.167	61.351	7.144	36.895
3	0.250	92.026	14.535	75.062
4	0.333	122.701	29.841	154.104
5	0.417	153.376	14.402	74.374
6	0.500	184.052	8.112	41.892
7	0.583	214.727	5.899	30.464
8	0.667	245.402	4.420	22.827
9	0.750	276.077	3.456	17.847
10	0.833	306.753	2.679	13.834
11	0.917	337.428	2.072	10.701
12	1.000	368.103	1.517	7.831
13	1.083	398.778	1.137	5.872
14	1.167	429.454	0.642	3.315
15	1.250	460.129	0.365	1.886
16	1.333	490.804	0.321	1.655
17	1.417	521.479	0.277	1.429
18	1.500	552.155	0.190	0.980
19	1.583	582.830	0.219	1.130
20	1.667	613.505	0.234	1.206
21	1.750	644.180	0.142	0.733
22	1.833	674.856	0.103	0.530
23	1.917	705.531	0.082	0.424
		Sum = 100.000	Sum=	516.413

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.470)		0.039	0.010
2	0.17	0.07	0.049	(0.468)		0.039	0.010
3	0.25	0.07	0.049	(0.466)		0.039	0.010
4	0.33	0.10	0.073	(0.464)		0.058	0.015
5	0.42	0.10	0.073	(0.463)		0.058	0.015
6	0.50	0.10	0.073	(0.461)		0.058	0.015
7	0.58	0.10	0.073	(0.459)		0.058	0.015
8	0.67	0.10	0.073	(0.457)		0.058	0.015
9	0.75	0.10	0.073	(0.455)		0.058	0.015
10	0.83	0.13	0.097	(0.454)		0.078	0.019
11	0.92	0.13	0.097	(0.452)		0.078	0.019
12	1.00	0.13	0.097	(0.450)		0.078	0.019
13	1.08	0.10	0.073	(0.448)		0.058	0.015
14	1.17	0.10	0.073	(0.446)		0.058	0.015
15	1.25	0.10	0.073	(0.445)		0.058	0.015
16	1.33	0.10	0.073	(0.443)		0.058	0.015
17	1.42	0.10	0.073	(0.441)		0.058	0.015
18	1.50	0.10	0.073	(0.439)		0.058	0.015
19	1.58	0.10	0.073	(0.438)		0.058	0.015
20	1.67	0.10	0.073	(0.436)		0.058	0.015
21	1.75	0.10	0.073	(0.434)		0.058	0.015
22	1.83	0.13	0.097	(0.432)		0.078	0.019
23	1.92	0.13	0.097	(0.431)		0.078	0.019
24	2.00	0.13	0.097	(0.429)		0.078	0.019
25	2.08	0.13	0.097	(0.427)		0.078	0.019
26	2.17	0.13	0.097	(0.425)		0.078	0.019
27	2.25	0.13	0.097	(0.424)		0.078	0.019
28	2.33	0.13	0.097	(0.422)		0.078	0.019
29	2.42	0.13	0.097	(0.420)		0.078	0.019
30	2.50	0.13	0.097	(0.419)		0.078	0.019
31	2.58	0.17	0.121	(0.417)		0.097	0.024
32	2.67	0.17	0.121	(0.415)		0.097	0.024
33	2.75	0.17	0.121	(0.413)		0.097	0.024
34	2.83	0.17	0.121	(0.412)		0.097	0.024
35	2.92	0.17	0.121	(0.410)		0.097	0.024
36	3.00	0.17	0.121	(0.408)		0.097	0.024
37	3.08	0.17	0.121	(0.407)		0.097	0.024
38	3.17	0.17	0.121	(0.405)		0.097	0.024
39	3.25	0.17	0.121	(0.403)		0.097	0.024
40	3.33	0.17	0.121	(0.402)		0.097	0.024
41	3.42	0.17	0.121	(0.400)		0.097	0.024
42	3.50	0.17	0.121	(0.398)		0.097	0.024
43	3.58	0.17	0.121	(0.397)		0.097	0.024
44	3.67	0.17	0.121	(0.395)		0.097	0.024
45	3.75	0.17	0.121	(0.393)		0.097	0.024
46	3.83	0.20	0.146	(0.392)		0.117	0.029
47	3.92	0.20	0.146	(0.390)		0.117	0.029
48	4.00	0.20	0.146	(0.388)		0.117	0.029
49	4.08	0.20	0.146	(0.387)		0.117	0.029
50	4.17	0.20	0.146	(0.385)		0.117	0.029
51	4.25	0.20	0.146	(0.383)		0.117	0.029
52	4.33	0.23	0.170	(0.382)		0.136	0.034
53	4.42	0.23	0.170	(0.380)		0.136	0.034
54	4.50	0.23	0.170	(0.378)		0.136	0.034
55	4.58	0.23	0.170	(0.377)		0.136	0.034
56	4.67	0.23	0.170	(0.375)		0.136	0.034
57	4.75	0.23	0.170	(0.374)		0.136	0.034
58	4.83	0.27	0.194	(0.372)		0.155	0.039
59	4.92	0.27	0.194	(0.370)		0.155	0.039
60	5.00	0.27	0.194	(0.369)		0.155	0.039
61	5.08	0.20	0.146	(0.367)		0.117	0.029
62	5.17	0.20	0.146	(0.366)		0.117	0.029
63	5.25	0.20	0.146	(0.364)		0.117	0.029
64	5.33	0.23	0.170	(0.362)		0.136	0.034
65	5.42	0.23	0.170	(0.361)		0.136	0.034
66	5.50	0.23	0.170	(0.359)		0.136	0.034
67	5.58	0.27	0.194	(0.358)		0.155	0.039
68	5.67	0.27	0.194	(0.356)		0.155	0.039
69	5.75	0.27	0.194	(0.355)		0.155	0.039
70	5.83	0.27	0.194	(0.353)		0.155	0.039
71	5.92	0.27	0.194	(0.351)		0.155	0.039
72	6.00	0.27	0.194	(0.350)		0.155	0.039
73	6.08	0.30	0.219	(0.348)		0.175	0.044
74	6.17	0.30	0.219	(0.347)		0.175	0.044
75	6.25	0.30	0.219	(0.345)		0.175	0.044
76	6.33	0.30	0.219	(0.344)		0.175	0.044
77	6.42	0.30	0.219	(0.342)		0.175	0.044
78	6.50	0.30	0.219	(0.341)		0.175	0.044
79	6.58	0.33	0.243	(0.339)		0.194	0.049
80	6.67	0.33	0.243	(0.338)		0.194	0.049
81	6.75	0.33	0.243	(0.336)		0.194	0.049
82	6.83	0.33	0.243	(0.334)		0.194	0.049
83	6.92	0.33	0.243	(0.333)		0.194	0.049
84	7.00	0.33	0.243	(0.331)		0.194	0.049
85	7.08	0.33	0.243	(0.330)		0.194	0.049
86	7.17	0.33	0.243	(0.328)		0.194	0.049
87	7.25	0.33	0.243	(0.327)		0.194	0.049
88	7.33	0.37	0.267	(0.325)		0.214	0.053

89	7.42	0.37	0.267	(0.324)	0.214	0.053
90	7.50	0.37	0.267	(0.322)	0.214	0.053
91	7.58	0.40	0.292	(0.321)	0.233	0.058
92	7.67	0.40	0.292	(0.320)	0.233	0.058
93	7.75	0.40	0.292	(0.318)	0.233	0.058
94	7.83	0.43	0.316	(0.317)	0.253	0.063
95	7.92	0.43	0.316	(0.315)	0.253	0.063
96	8.00	0.43	0.316	(0.314)	0.253	0.063
97	8.08	0.50	0.364	(0.312)	0.292	0.073
98	8.17	0.50	0.364	(0.311)	0.292	0.073
99	8.25	0.50	0.364	(0.309)	0.292	0.073
100	8.33	0.50	0.364	(0.308)	0.292	0.073
101	8.42	0.50	0.364	(0.306)	0.292	0.073
102	8.50	0.50	0.364	(0.305)	0.292	0.073
103	8.58	0.53	0.389	0.304	(0.311)	0.085
104	8.67	0.53	0.389	0.302	(0.311)	0.087
105	8.75	0.53	0.389	0.301	(0.311)	0.088
106	8.83	0.57	0.413	0.299	(0.330)	0.114
107	8.92	0.57	0.413	0.298	(0.330)	0.115
108	9.00	0.57	0.413	0.296	(0.330)	0.117
109	9.08	0.63	0.462	0.295	(0.369)	0.167
110	9.17	0.63	0.462	0.294	(0.369)	0.168
111	9.25	0.63	0.462	0.292	(0.369)	0.169
112	9.33	0.67	0.486	0.291	(0.389)	0.195
113	9.42	0.67	0.486	0.289	(0.389)	0.196
114	9.50	0.67	0.486	0.288	(0.389)	0.198
115	9.58	0.70	0.510	0.287	(0.408)	0.224
116	9.67	0.70	0.510	0.285	(0.408)	0.225
117	9.75	0.70	0.510	0.284	(0.408)	0.226
118	9.83	0.73	0.535	0.283	(0.428)	0.252
119	9.92	0.73	0.535	0.281	(0.428)	0.253
120	10.00	0.73	0.535	0.280	(0.428)	0.255
121	10.08	0.50	0.364	0.279	(0.292)	0.086
122	10.17	0.50	0.364	0.277	(0.292)	0.087
123	10.25	0.50	0.364	0.276	(0.292)	0.089
124	10.33	0.50	0.364	0.274	(0.292)	0.090
125	10.42	0.50	0.364	0.273	(0.292)	0.091
126	10.50	0.50	0.364	0.272	(0.292)	0.093
127	10.58	0.67	0.486	0.270	(0.389)	0.215
128	10.67	0.67	0.486	0.269	(0.389)	0.217
129	10.75	0.67	0.486	0.268	(0.389)	0.218
130	10.83	0.67	0.486	0.267	(0.389)	0.219
131	10.92	0.67	0.486	0.265	(0.389)	0.221
132	11.00	0.67	0.486	0.264	(0.389)	0.222
133	11.08	0.63	0.462	0.263	(0.369)	0.199
134	11.17	0.63	0.462	0.261	(0.369)	0.200
135	11.25	0.63	0.462	0.260	(0.369)	0.202
136	11.33	0.63	0.462	0.259	(0.369)	0.203
137	11.42	0.63	0.462	0.257	(0.369)	0.204
138	11.50	0.63	0.462	0.256	(0.369)	0.205
139	11.58	0.57	0.413	0.255	(0.330)	0.158
140	11.67	0.57	0.413	0.254	(0.330)	0.159
141	11.75	0.57	0.413	0.252	(0.330)	0.161
142	11.83	0.60	0.437	0.251	(0.350)	0.186
143	11.92	0.60	0.437	0.250	(0.350)	0.187
144	12.00	0.60	0.437	0.249	(0.350)	0.189
145	12.08	0.83	0.607	0.247	(0.486)	0.360
146	12.17	0.83	0.607	0.246	(0.486)	0.361
147	12.25	0.83	0.607	0.245	(0.486)	0.362
148	12.33	0.87	0.632	0.244	(0.505)	0.388
149	12.42	0.87	0.632	0.242	(0.505)	0.389
150	12.50	0.87	0.632	0.241	(0.505)	0.390
151	12.58	0.93	0.680	0.240	(0.544)	0.440
152	12.67	0.93	0.680	0.239	(0.544)	0.441
153	12.75	0.93	0.680	0.238	(0.544)	0.443
154	12.83	0.97	0.705	0.236	(0.564)	0.468
155	12.92	0.97	0.705	0.235	(0.564)	0.469
156	13.00	0.97	0.705	0.234	(0.564)	0.471
157	13.08	1.13	0.826	0.233	(0.661)	0.593
158	13.17	1.13	0.826	0.232	(0.661)	0.594
159	13.25	1.13	0.826	0.230	(0.661)	0.596
160	13.33	1.13	0.826	0.229	(0.661)	0.597
161	13.42	1.13	0.826	0.228	(0.661)	0.598
162	13.50	1.13	0.826	0.227	(0.661)	0.599
163	13.58	0.77	0.559	0.226	(0.447)	0.333
164	13.67	0.77	0.559	0.225	(0.447)	0.334
165	13.75	0.77	0.559	0.224	(0.447)	0.335
166	13.83	0.77	0.559	0.222	(0.447)	0.336
167	13.92	0.77	0.559	0.221	(0.447)	0.338
168	14.00	0.77	0.559	0.220	(0.447)	0.339
169	14.08	0.90	0.656	0.219	(0.525)	0.437
170	14.17	0.90	0.656	0.218	(0.525)	0.438
171	14.25	0.90	0.656	0.217	(0.525)	0.439
172	14.33	0.87	0.632	0.216	(0.505)	0.416
173	14.42	0.87	0.632	0.215	(0.505)	0.417
174	14.50	0.87	0.632	0.213	(0.505)	0.418
175	14.58	0.87	0.632	0.212	(0.505)	0.419
176	14.67	0.87	0.632	0.211	(0.505)	0.420
177	14.75	0.87	0.632	0.210	(0.505)	0.421
178	14.83	0.83	0.607	0.209	(0.486)	0.398
179	14.92	0.83	0.607	0.208	(0.486)	0.399
180	15.00	0.83	0.607	0.207	(0.486)	0.400
181	15.08	0.80	0.583	0.206	(0.466)	0.377
182	15.17	0.80	0.583	0.205	(0.466)	0.378
183	15.25	0.80	0.583	0.204	(0.466)	0.379
184	15.33	0.77	0.559	0.203	(0.447)	0.356
185	15.42	0.77	0.559	0.202	(0.447)	0.357
186	15.50	0.77	0.559	0.201	(0.447)	0.358
187	15.58	0.63	0.462	0.200	(0.369)	0.262
188	15.67	0.63	0.462	0.199	(0.369)	0.263
189	15.75	0.63	0.462	0.198	(0.369)	0.264
190	15.83	0.63	0.462	0.197	(0.369)	0.265
191	15.92	0.63	0.462	0.196	(0.369)	0.266
192	16.00	0.63	0.462	0.195	(0.369)	0.267
193	16.08	0.13	0.097	(0.194)	0.078	0.019
194	16.17	0.13	0.097	(0.193)	0.078	0.019
195	16.25	0.13	0.097	(0.192)	0.078	0.019
196	16.33	0.13	0.097	(0.191)	0.078	0.019
197	16.42	0.13	0.097	(0.190)	0.078	0.019
198	16.50	0.13	0.097	(0.189)	0.078	0.019
199	16.58	0.10	0.073	(0.188)	0.058	0.015
200	16.67	0.10	0.073	(0.187)	0.058	0.015
201	16.75	0.10	0.073	(0.186)	0.058	0.015
202	16.83	0.10	0.073	(0.185)	0.058	0.015
203	16.92	0.10	0.073	(0.184)	0.058	0.015
204	17.00	0.10	0.073	(0.183)	0.058	0.015
205	17.08	0.17	0.121	(0.182)	0.097	0.024
206	17.17	0.17	0.121	(0.181)	0.097	0.024
207	17.25	0.17	0.121	(0.180)	0.097	0.024
208	17.33	0.17	0.121	(0.179)	0.097	0.024

209	17.42	0.17	0.121	(0.179)	0.097	0.024
210	17.50	0.17	0.121	(0.178)	0.097	0.024
211	17.58	0.17	0.121	(0.177)	0.097	0.024
212	17.67	0.17	0.121	(0.176)	0.097	0.024
213	17.75	0.17	0.121	(0.175)	0.097	0.024
214	17.83	0.13	0.097	(0.174)	0.078	0.019
215	17.92	0.13	0.097	(0.173)	0.078	0.019
216	18.00	0.13	0.097	(0.172)	0.078	0.019
217	18.08	0.13	0.097	(0.172)	0.078	0.019
218	18.17	0.13	0.097	(0.171)	0.078	0.019
219	18.25	0.13	0.097	(0.170)	0.078	0.019
220	18.33	0.13	0.097	(0.169)	0.078	0.019
221	18.42	0.13	0.097	(0.168)	0.078	0.019
222	18.50	0.13	0.097	(0.167)	0.078	0.019
223	18.58	0.10	0.073	(0.167)	0.058	0.015
224	18.67	0.10	0.073	(0.166)	0.058	0.015
225	18.75	0.10	0.073	(0.165)	0.058	0.015
226	18.83	0.07	0.049	(0.164)	0.039	0.010
227	18.92	0.07	0.049	(0.163)	0.039	0.010
228	19.00	0.07	0.049	(0.163)	0.039	0.010
229	19.08	0.10	0.073	(0.162)	0.058	0.015
230	19.17	0.10	0.073	(0.161)	0.058	0.015
231	19.25	0.10	0.073	(0.160)	0.058	0.015
232	19.33	0.13	0.097	(0.160)	0.078	0.019
233	19.42	0.13	0.097	(0.159)	0.078	0.019
234	19.50	0.13	0.097	(0.158)	0.078	0.019
235	19.58	0.10	0.073	(0.157)	0.058	0.015
236	19.67	0.10	0.073	(0.157)	0.058	0.015
237	19.75	0.10	0.073	(0.156)	0.058	0.015
238	19.83	0.07	0.049	(0.155)	0.039	0.010
239	19.92	0.07	0.049	(0.155)	0.039	0.010
240	20.00	0.07	0.049	(0.154)	0.039	0.010
241	20.08	0.10	0.073	(0.153)	0.058	0.015
242	20.17	0.10	0.073	(0.153)	0.058	0.015
243	20.25	0.10	0.073	(0.152)	0.058	0.015
244	20.33	0.10	0.073	(0.151)	0.058	0.015
245	20.42	0.10	0.073	(0.151)	0.058	0.015
246	20.50	0.10	0.073	(0.150)	0.058	0.015
247	20.58	0.10	0.073	(0.149)	0.058	0.015
248	20.67	0.10	0.073	(0.149)	0.058	0.015
249	20.75	0.10	0.073	(0.148)	0.058	0.015
250	20.83	0.07	0.049	(0.147)	0.039	0.010
251	20.92	0.07	0.049	(0.147)	0.039	0.010
252	21.00	0.07	0.049	(0.146)	0.039	0.010
253	21.08	0.10	0.073	(0.146)	0.058	0.015
254	21.17	0.10	0.073	(0.145)	0.058	0.015
255	21.25	0.10	0.073	(0.145)	0.058	0.015
256	21.33	0.07	0.049	(0.144)	0.039	0.010
257	21.42	0.07	0.049	(0.143)	0.039	0.010
258	21.50	0.07	0.049	(0.143)	0.039	0.010
259	21.58	0.10	0.073	(0.142)	0.058	0.015
260	21.67	0.10	0.073	(0.142)	0.058	0.015
261	21.75	0.10	0.073	(0.141)	0.058	0.015
262	21.83	0.07	0.049	(0.141)	0.039	0.010
263	21.92	0.07	0.049	(0.140)	0.039	0.010
264	22.00	0.07	0.049	(0.140)	0.039	0.010
265	22.08	0.10	0.073	(0.139)	0.058	0.015
266	22.17	0.10	0.073	(0.139)	0.058	0.015
267	22.25	0.10	0.073	(0.139)	0.058	0.015
268	22.33	0.07	0.049	(0.138)	0.039	0.010
269	22.42	0.07	0.049	(0.138)	0.039	0.010
270	22.50	0.07	0.049	(0.137)	0.039	0.010
271	22.58	0.07	0.049	(0.137)	0.039	0.010
272	22.67	0.07	0.049	(0.137)	0.039	0.010
273	22.75	0.07	0.049	(0.136)	0.039	0.010
274	22.83	0.07	0.049	(0.136)	0.039	0.010
275	22.92	0.07	0.049	(0.135)	0.039	0.010
276	23.00	0.07	0.049	(0.135)	0.039	0.010
277	23.08	0.07	0.049	(0.135)	0.039	0.010
278	23.17	0.07	0.049	(0.135)	0.039	0.010
279	23.25	0.07	0.049	(0.134)	0.039	0.010
280	23.33	0.07	0.049	(0.134)	0.039	0.010
281	23.42	0.07	0.049	(0.134)	0.039	0.010
282	23.50	0.07	0.049	(0.133)	0.039	0.010
283	23.58	0.07	0.049	(0.133)	0.039	0.010
284	23.67	0.07	0.049	(0.133)	0.039	0.010
285	23.75	0.07	0.049	(0.133)	0.039	0.010
286	23.83	0.07	0.049	(0.133)	0.039	0.010
287	23.92	0.07	0.049	(0.133)	0.039	0.010
288	24.00	0.07	0.049	(0.133)	0.039	0.010

(Loss Rate Not Used)

Sum = 100.0 Sum = 31.5

Flood volume = Effective rainfall 2.62(In)
times area 512.4(Ac.)/[(In)/(Ft.)] = 111.9(Ac.Ft)
Total soil loss = 3.45(In)
Total soil loss = 147.440(Ac.Ft)
Total rainfall = 6.07(In)
Flood volume = 4875306.1 Cubic Feet
Total soil loss = 6422469.4 Cubic Feet

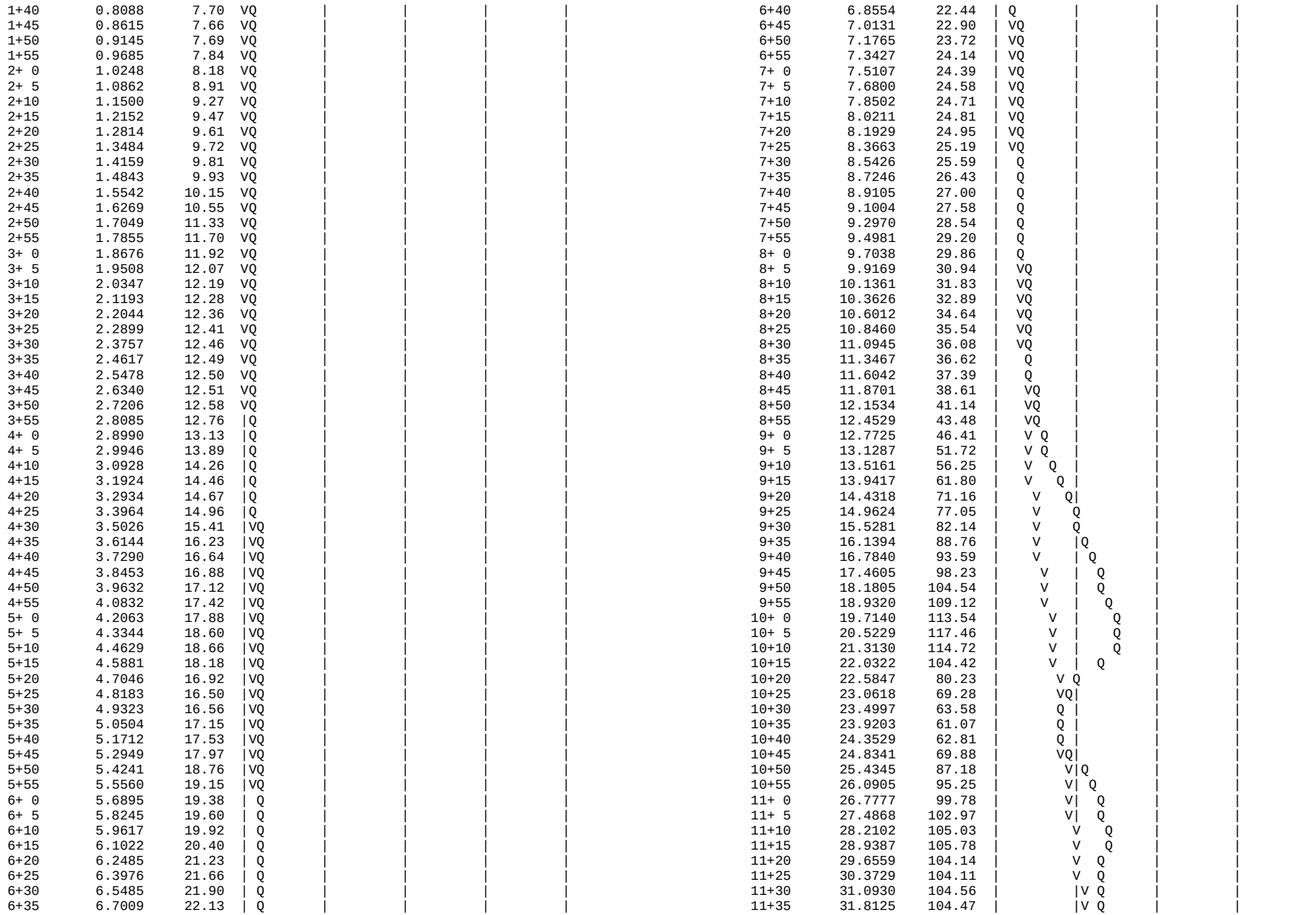
Peak flow rate of this hydrograph = 291.011(CFS)

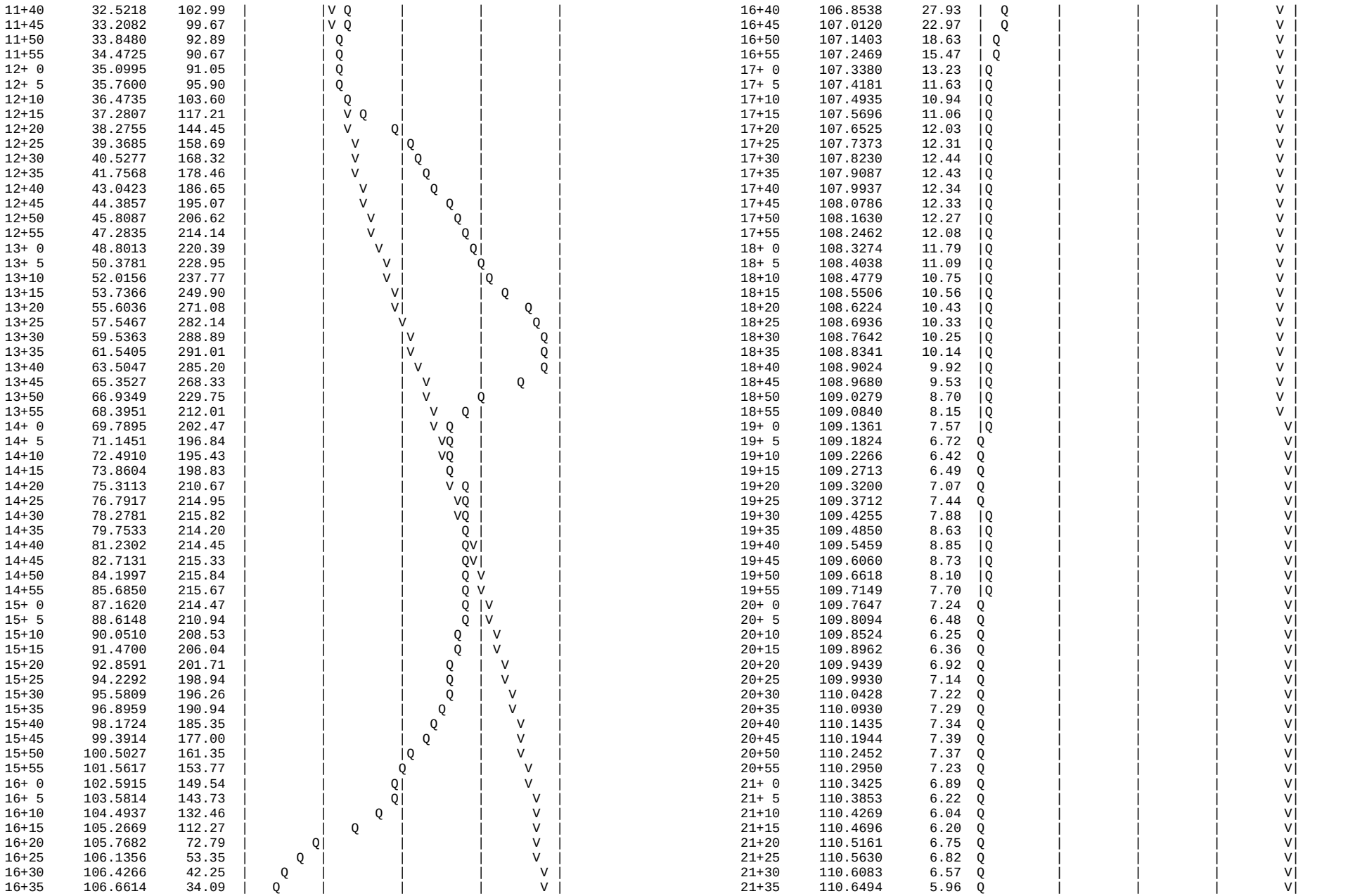
++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

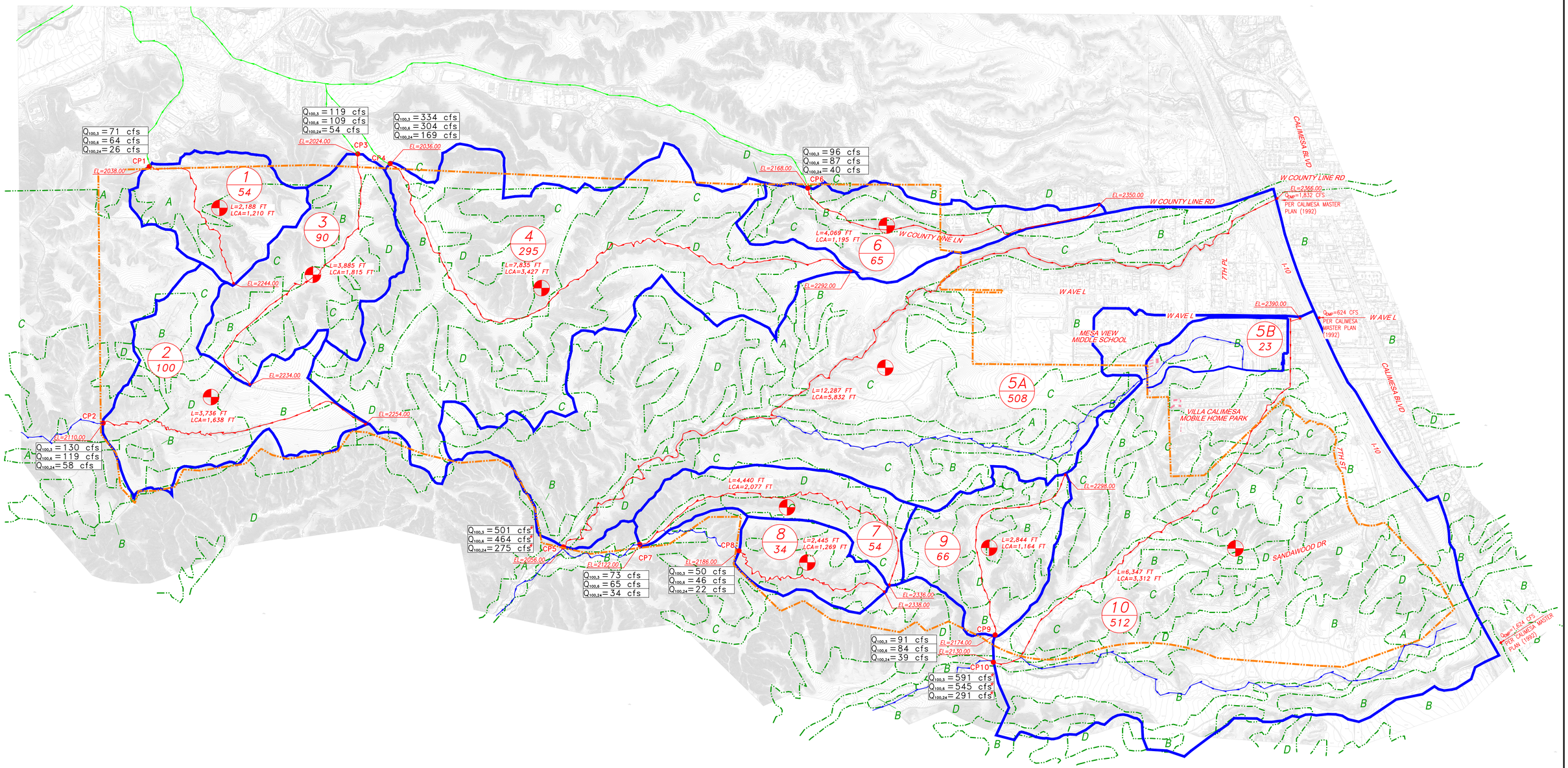
Time(h+m)	Volume Ac.Ft	Q(CFS)	0	75.0	150.0	225.0	300.0
0+ 5	0.0008	0.11	Q				
0+10	0.0040	0.47	Q				
0+15	0.0123	1.20	Q				
0+20	0.0312	2.75	Q				
0+25	0.0564	3.66	Q				
0+30	0.0869	4.43	Q				
0+35	0.1246	5.47	Q				
0+40	0.1663	6.06	Q				
0+45	0.2106	6.43	Q				
0+50	0.2573	6.77	Q				
0+55	0.3066	7.17	Q				
1+ 0	0.3596	7.69	VQ				
1+ 5	0.4183	8.51	VQ				
1+10	0.4787	8.78	VQ				
1+15	0.5385	8.67	VQ				
1+20	0.5944	8.12	VQ				
1+25	0.6488	7.90	VQ				
1+30	0.7025	7.80	VQ				
1+35	0.7558	7.74	VQ				





21+40	110.6896	5.84	Q				V
21+45	110.7313	6.06	Q				V
21+50	110.7770	6.64	Q				V
21+55	110.8235	6.75	Q				V
22+ 0	110.8685	6.53	Q				V
22+ 5	110.9094	5.94	Q				V
22+10	110.9496	5.83	Q				V
22+15	110.9912	6.04	Q				V
22+20	111.0368	6.63	Q				V
22+25	111.0832	6.74	Q				V
22+30	111.1281	6.52	Q				V
22+35	111.1685	5.87	Q				V
22+40	111.2070	5.58	Q				V
22+45	111.2444	5.44	Q				V
22+50	111.2811	5.33	Q				V
22+55	111.3173	5.26	Q				V
23+ 0	111.3532	5.20	Q				V
23+ 5	111.3887	5.16	Q				V
23+10	111.4240	5.12	Q				V
23+15	111.4590	5.09	Q				V
23+20	111.4939	5.07	Q				V
23+25	111.5287	5.05	Q				V
23+30	111.5635	5.05	Q				V
23+35	111.5982	5.04	Q				V
23+40	111.6329	5.04	Q				V
23+45	111.6676	5.04	Q				V
23+50	111.7022	5.03	Q				V
23+55	111.7369	5.03	Q				V
24+ 0	111.7715	5.03	Q				V
24+ 5	111.8053	4.91	Q				V
24+10	111.8367	4.55	Q				V
24+15	111.8630	3.82	Q				V
24+20	111.8790	2.32	Q				V
24+25	111.8900	1.60	Q				V
24+30	111.8982	1.19	Q				V
24+35	111.9044	0.90	Q				V
24+40	111.9090	0.67	Q				V
24+45	111.9125	0.50	Q				V
24+50	111.9150	0.37	Q				V
24+55	111.9168	0.26	Q				V
25+ 0	111.9181	0.19	Q				V
25+ 5	111.9190	0.13	Q				V
25+10	111.9197	0.10	Q				V
25+15	111.9202	0.08	Q				V
25+20	111.9206	0.06	Q				V
25+25	111.9210	0.05	Q				V
25+30	111.9212	0.04	Q				V
25+35	111.9214	0.03	Q				V
25+40	111.9215	0.02	Q				V
25+45	111.9216	0.01	Q				V
25+50	111.9216	0.00	Q				V

HYDROLOGY MAP



LEGEND

- 1 / 3.0 — DRAINAGE AREA # / ACREAGE
- MAJOR DRAINAGE AREA BOUNDARY
- PROJECT SITE BOUNDARY
- FLOW PATH (RATIONAL METHOD)
- 1 — NODE & NODE #
- HYDROLOGIC SOILS GROUP BOUNDARY
- AREA CENTROID
- Q_{DMP} = DRAINAGE MASTER PLAN PEAK RUNOFF
- $Q_{100,3}$ = XXX cfs — 100-YR 3-HR PEAK RUNOFF
- $Q_{100,6}$ = XXX cfs — 100-YR 6-HR PEAK RUNOFF
- $Q_{100,24}$ = XXX cfs — 100-YR 24-HR PEAK RUNOFF

NOTE:
★ PEAK FLOW RATES SHOWN DO NOT INCLUDE ADDITIONAL FLOW ORIGINATING EAST OF I-10 FREEWAY PER CALIMESA MASTER PLAN.

DATE PREPARED: 03-20-2023

PREPARED BY:
HUNSAKER & ASSOCIATES
IRVINE, INC.
PLANNING ▪ ENGINEERING ▪ SURVEYING
Three Hughes ▪ Irvine, CA 92618 ▪ PH: (949) 583-1010 ▪ FX: (949) 583-0759

0 250 500 1500 2000 2500
SCALE: 1" = 500'

HYDROLOGY MAP
PRE-DEVELOPMENT CONDITION
MESA VERDE ESTATES
CALIMESA, CA

PLOTTED BY: Brian Sauther DATE: Dec. 13, 2024 07:31:16 AM FILE: F:\1227\Engineering\SY_Hydrology\Hydrology Maps\Hydrology Map- Mesa Verde Estates - Pre-Development.dwg

SECTION 3
POST-DEVELOMENT CONDITION HYDROLOGY
UNIT HYDROGRAPH METHOD ANALYSIS

DRAINAGE AREA, RUNOFF INDEX NUMBER, LAND USE, AND HYDROLOGIC SOILS GROUP SUMMARY TABLES

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 1

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	7.91
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	0
D	Meadows, Fair	84	0	0
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	8.56
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0
			Total	16.47

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 2

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0.31
B	Meadows, Fair	70	0	0.59
C	Meadows, Fair	80	0	9.76
D	Meadows, Fair	84	0	5.88
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0.3
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	7.2
			Total	24.04

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 3A

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0.00
B	Meadows, Fair	70	0	0.00
C	Meadows, Fair	80	0	0.00
D	Meadows, Fair	84	0	0.00
A	Residental (lot less 1/8 Ac)	77	0.75	30.06
B	Residental (lot less 1/8 Ac)	85	0.75	11.40
C	Residental (lot less 1/8 Ac)	90	0.75	18.07
D	Residental (lot less 1/8 Ac)	92	0.75	0.00
A	Residental (lot 1/4 Ac)SCHOOL	61	0.38	0.00
B	Residental (lot 1/4 Ac)SCHOOL	75	0.38	6.00
C	Residental (lot 1/4 Ac)SCHOOL	83	0.38	0.00
D	Residental (lot 1/4 Ac)SCHOOL	87	0.38	3.80
A	Residental (lot 1 Ac)PARK	51	0.2	0.00
B	Residental (lot 1 Ac)PARK	68	0.2	4.09
C	Residental (lot 1 Ac)PARK	79	0.2	6.61
D	Residental (lot 1 Ac)PARK	84	0.2	0.13
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0.00
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	2.83
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.00
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.00
			Total	82.99

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 3B

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0.00
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	9.73
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	3.80
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	7.22
			Total	20.75

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 3C

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0.00
B	Meadows, Fair	70	0	3.69
C	Meadows, Fair	80	0	0.05
D	Meadows, Fair	84	0	0.18
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0.00
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	2.71
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.17
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.90
			Total	7.70

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4A

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	2.2
D	Meadows, Fair	84	0	0.46
A	Open Space, Fair (Grass)	49	0.05	
B	Open Space, Fair (Grass)	69	0.05	
C	Open Space, Fair (Grass)	79	0.05	
D	Open Space, Fair (Grass)	84	0.05	
A	Commercial	89	0.9	
B	Commercial	92	0.9	0.74
C	Commercial	94	0.9	2.3
D	Commercial	95	0.9	1.86
A	Residental (lot less 1/8 Ac)	77	0.75	10.07
B	Residental (lot less 1/8 Ac)	85	0.75	25.8
C	Residental (lot less 1/8 Ac)	90	0.75	104.58
D	Residental (lot less 1/8 Ac)	92	0.75	98.25
A	Residental (lot 1/4 Ac)SCHOOL	61	0.38	
B	Residental (lot 1/4 Ac)SCHOOL	75	0.38	
C	Residental (lot 1/4 Ac)SCHOOL	83	0.38	
D	Residental (lot 1/4 Ac)SCHOOL	87	0.38	
A	Residental (lot 1/2 Ac)	54	0.25	
B	Residental (lot 1/2 Ac)	70	0.25	
C	Residental (lot 1/2 Ac)	80	0.25	
D	Residental (lot 1/2 Ac)	85	0.25	
A	Residental (lot 1 Ac)PARK	51	0.2	
B	Residental (lot 1 Ac)PARK	68	0.2	13.24
C	Residental (lot 1 Ac)PARK	79	0.2	
D	Residental (lot 1 Ac)PARK	84	0.2	
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0.13
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	1.79
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	8.27
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	5.85
			Total	275.54

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4B

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0.1
C	Meadows, Fair	80	0	9.79
D	Meadows, Fair	84	0	1.73
A	Residental (Lot 2 Ac)	46	0.12	
B	Residental (Lot 2 Ac)	65	0.12	2.08
C	Residental (Lot 2 Ac)	77	0.12	0.72
D	Residental (Lot 2 Ac)	82	0.12	0.77
			Total	15.19

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4C

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	6.68
D	Meadows, Fair	84	0	0.92
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.13
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.03
			Total	7.76

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4D

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	
B	Commercial	92	0.9	
C	Commercial	94	0.9	
D	Commercial	95	0.9	0.87
A	Residental (lot less 1/8 Ac)	77	0.75	0
B	Residental (lot less 1/8 Ac)	85	0.75	1.86
C	Residental (lot less 1/8 Ac)	90	0.75	51.57
D	Residental (lot less 1/8 Ac)	92	0.75	32.04
A	Residental (lot 1/4 Ac)SCHOOL	61	0.38	
B	Residental (lot 1/4 Ac)SCHOOL	75	0.38	
C	Residental (lot 1/4 Ac)SCHOOL	83	0.38	
D	Residental (lot 1/4 Ac)SCHOOL	87	0.38	0.14
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.92
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	
			Total	87.40

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4E

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0.41
B	Commercial	92	0.9	0
C	Commercial	94	0.9	1
D	Commercial	95	0.9	
A	Residental (lot less 1/8 Ac)	77	0.75	0.74
B	Residental (lot less 1/8 Ac)	85	0.75	0
C	Residental (lot less 1/8 Ac)	90	0.75	49.56
D	Residental (lot less 1/8 Ac)	92	0.75	54.48
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	1.64
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	1.10
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	
			Total	108.93

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4F

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	
D	Meadows, Fair	84	0	
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	16.88
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	3.79
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	24.74
			Total	45.41

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 4G

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0.8
C	Meadows, Fair	80	0	0
D	Meadows, Fair	84	0	0
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0.76
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0
			Total	1.56

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 5A

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	23.84
B	Meadows, Fair	70	0	46.28
C	Meadows, Fair	80	0	65.77
D	Meadows, Fair	84	0	38.65
A	Open Space, Fair (Grass)	49	0.05	0.00
B	Open Space, Fair (Grass)	69	0.05	20.19
C	Open Space, Fair (Grass)	79	0.05	1.61
D	Open Space, Fair (Grass)	84	0.05	0.14
A	Commercial	89	0.9	
B	Commercial	92	0.9	19.24
C	Commercial	94	0.9	0.49
D	Commercial	95	0.9	0.21
A	Residental (lot less 1/8 Ac)	77	0.75	5.53
B	Residental (lot less 1/8 Ac)	85	0.75	0.08
C	Residental (lot less 1/8 Ac)	90	0.75	
D	Residental (lot less 1/8 Ac)	92	0.75	
A	Residental (lot 1/4 Ac)SCHOOL	61	0.38	
B	Residental (lot 1/4 Ac)SCHOOL	75	0.38	20.92
C	Residental (lot 1/4 Ac)SCHOOL	83	0.38	0.28
D	Residental (lot 1/4 Ac)SCHOOL	87	0.38	
A	Residental (lot 1/2 Ac)	54	0.25	
B	Residental (lot 1/2 Ac)	70	0.25	1.68
C	Residental (lot 1/2 Ac)	80	0.25	
D	Residental (lot 1/2 Ac)	85	0.25	
A	Residental (lot 1 Ac)PARK	51	0.2	
B	Residental (lot 1 Ac)PARK	68	0.2	7.02
C	Residental (lot 1 Ac)PARK	79	0.2	2.84
D	Residental (lot 1 Ac)PARK	84	0.2	3.37
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	3.42
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	20.95
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	13.88
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	8.49
			Total	304.88

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 5B

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0.28
B	Commercial	92	0.9	0.74
C	Commercial	94	0.9	0.75
D	Commercial	95	0.9	3.55
A	Residental (lot less 1/8 Ac)	77	0.75	6.87
B	Residental (lot less 1/8 Ac)	85	0.75	4.72
C	Residental (lot less 1/8 Ac)	90	0.75	61.02
D	Residental (lot less 1/8 Ac)	92	0.75	
A	Residental (lot 1/4 Ac)SCHOOL	61	0.38	
B	Residental (lot 1/4 Ac)SCHOOL	75	0.38	15.29
C	Residental (lot 1/4 Ac)SCHOOL	83	0.38	7.43
D	Residental (lot 1/4 Ac)SCHOOL	87	0.38	
A	Residental (lot 1/2 Ac)	54	0.25	
B	Residental (lot 1/2 Ac)	70	0.25	
C	Residental (lot 1/2 Ac)	80	0.25	
D	Residental (lot 1/2 Ac)	85	0.25	
A	Residental (lot 1 Ac)PARK	51	0.2	
B	Residental (lot 1 Ac)PARK	68	0.2	1.32
C	Residental (lot 1 Ac)PARK	79	0.2	1.67
D	Residental (lot 1 Ac)PARK	84	0.2	
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0.31
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	2.40
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.29
			Total	**106.64**

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 5C

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	4.29
C	Commercial	94	0.9	5.61
D	Commercial	95	0.9	2.17
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	1.23
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	1.72
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0
			Total	**15.02**

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 5D

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	2.79
C	Commercial	94	0.9	45.35
D	Commercial	95	0.9	43.50
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0.75
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	1.56
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	1.4
			Total	**95.35**

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 6

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	
B	Meadows, Fair	70	0	14.30
C	Meadows, Fair	80	0	13.39
D	Meadows, Fair	84	0	6.36
A	Commercial	89	0.9	
B	Commercial	92	0.9	0.27
C	Commercial	94	0.9	0.00
D	Commercial	95	0.9	0.07
A	Residental (lot 1 Ac)PARK	51	0.2	
B	Residental (lot 1 Ac)PARK	68	0.2	
C	Residental (lot 1 Ac)PARK	79	0.2	
D	Residental (lot 1 Ac)PARK	84	0.2	6.33
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	1.24
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	2.38
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	
			Total	44.34

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 7

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	2.23
C	Meadows, Fair	80	0	0.37
D	Meadows, Fair	84	0	8.81
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0.22
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.12
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	1.63
			Total	13.38

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 8B

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	0.29
D	Meadows, Fair	84	0	3.03
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.63
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	1.35
			Total	5.30

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 9A

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	0
D	Meadows, Fair	84	0	0
A	Commercial	89	0.9	0
B	Commercial	92	0.9	10.62
C	Commercial	94	0.9	1.00
D	Commercial	95	0.9	7.06
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0.5
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.08
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	1.32
			Total	20.58

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 9B

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0
C	Meadows, Fair	80	0	0
D	Meadows, Fair	84	0	0
A	Commercial	89	0.9	0
B	Commercial	92	0.9	23.14
C	Commercial	94	0.9	5.7
D	Commercial	95	0.9	23.12
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	2.01
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.15
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	5.79
			Total	59.91

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 9C

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	3.13
C	Meadows, Fair	80	0	0
D	Meadows, Fair	84	0	0
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	2.25
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0
			Total	5.38

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10A

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	8.98
B	Meadows, Fair	70	0	148.08
C	Meadows, Fair	80	0	54.10
D	Meadows, Fair	84	0	39.23
A	Open Space, Fair (Grass)	49	0.05	0
B	Open Space, Fair (Grass)	69	0.05	10.27
C	Open Space, Fair (Grass)	79	0.05	2.23
D	Open Space, Fair (Grass)	84	0.05	5.46
A	Commercial	89	0.9	0.83
B	Commercial	92	0.9	29.10
C	Commercial	94	0.9	5.53
D	Commercial	95	0.9	6.20
A	Residental (lot less 1/8 Ac)	77	0.75	0
B	Residental (lot less 1/8 Ac)	85	0.75	6.53
C	Residental (lot less 1/8 Ac)	90	0.75	7.56
D	Residental (lot less 1/8 Ac)	92	0.75	0
A	Residental (lot 1/4 Ac)	61	0.38	0
B	Residental (lot 1/4 Ac)	75	0.38	3.86
C	Residental (lot 1/4 Ac)	83	0.38	0.48
D	Residental (lot 1/4 Ac)	87	0.38	0
A	Residental (lot 1/2 Ac)	54	0.25	0
B	Residental (lot 1/2 Ac)	70	0.25	0.29
C	Residental (lot 1/2 Ac)	80	0.25	1.25
D	Residental (lot 1/2 Ac)	85	0.25	0
			Total	329.98

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10B

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	0
C	Commercial	94	0.9	0
D	Commercial	95	0.9	1.59
A	Residental (lot less 1/8 Ac)	77	0.75	0
B	Residental (lot less 1/8 Ac)	85	0.75	1.93
C	Residental (lot less 1/8 Ac)	90	0.75	0.96
D	Residental (lot less 1/8 Ac)	92	0.75	0
A	Residental (lot 1 Ac)PARK	51	0.2	0
B	Residental (lot 1 Ac)PARK	68	0.2	7.28
C	Residental (lot 1 Ac)PARK	79	0.2	6.36
D	Residental (lot 1 Ac)PARK	84	0.2	3.79
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0.57
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.53
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.6
			Total	23.61

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10C

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	3.11
C	Commercial	94	0.9	1.41
D	Commercial	95	0.9	1.21
A	Residental (lot 1 Ac)PARK	51	0.2	0.00
B	Residental (lot 1 Ac)PARK	68	0.2	1.50
C	Residental (lot 1 Ac)PARK	79	0.2	7.49
D	Residental (lot 1 Ac)PARK	84	0.2	0.00
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0.00
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	1.62
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	1.99
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.37
			Total	**18.70**

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10D

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	12.25
C	Commercial	94	0.9	12.93
D	Commercial	95	0.9	0.00
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0.00
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	2.23
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	2.65
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.00
			Total	**30.06**

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10E

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Meadows, Fair	51	0	0
B	Meadows, Fair	70	0	0.9
C	Meadows, Fair	80	0	0
D	Meadows, Fair	84	0	2.65
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	0
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.36
			Total	3.91

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10F

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	2.35
C	Commercial	94	0.9	0
D	Commercial	95	0.9	4.27
A	Residental (lot less 1/8 Ac)-MU	77	0.75	0
B	Residental (lot less 1/8 Ac)-MU	85	0.75	4.88
C	Residental (lot less 1/8 Ac)-MU	90	0.75	0
D	Residental (lot less 1/8 Ac)-MU	92	0.75	10.75
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	4.29
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0.48
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	0.50
			Total	**27.52**

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10G

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	1.09
C	Commercial	94	0.9	0
D	Commercial	95	0.9	0.31
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	2.1
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	0
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	1.08
			Total	4.58

Summary of Runoff Index Numbers for Hydrologic Soil Cover
RCFC&WCD Hydrology Maual Plate D-5.5

Area 10H

Soil Group	Cover Type	RI Number	Impervious Cover (Ai) (Ai)	Area (Ac)
A	Commercial	89	0.9	0
B	Commercial	92	0.9	20.87
C	Commercial	94	0.9	9.33
D	Commercial	95	0.9	10.19
A	Residental (Lot 2 Ac)MSLOPE	46	0.12	0
B	Residental (Lot 2 Ac)MSLOPE	65	0.12	2.60
C	Residental (Lot 2 Ac)MSLOPE	77	0.12	2.67
D	Residental (Lot 2 Ac)MSLOPE	82	0.12	2.65
			Total	**48.31**

100-YEAR Unit Hydrograph CALCULATIONS

AREAS TRIBUTARY TO CP1

AREA 1
(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/19/23 File: MESAP13100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 1
7/19/23

Drainage Area = 16.47(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.47(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 1593.00(Ft.)
Length along longest watercourse measured to centroid = 611.00(Ft.)
Length along longest watercourse = 0.302 Mi.
Length along longest watercourse measured to centroid = 0.116 Mi.
Difference in elevation = 163.00(Ft.)
Slope along watercourse = 540.2637 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.071 Hr.
Lag time = 4.26 Min.
25% of lag time = 1.07 Min.
40% of lag time = 1.70 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.47	0.94	15.48

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.47	1.97	32.45

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.970(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
7.910	51.00	0.000
8.560	46.00	0.120

Total Area Entered = 16.47(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.480	0.270
46.0	46.0	0.611	0.120	0.545	0.520	0.283
					Sum (F) =	0.553

Area averaged mean soil loss (F) (In/Hr) = 0.553
Minimum soil loss rate ((In/Hr)) = 0.277
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.850

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	117.327	20.503	3.403
2	0.167	234.654	56.130	9.317
3	0.250	351.982	15.864	2.633
4	0.333	469.309	5.344	0.887
5	0.417	586.636	1.323	0.220
6	0.500	703.963	0.837	0.139
		Sum = 100.000	Sum=	16.599

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	(0.553)	0.261	0.046
2	0.17	1.30	0.307	(0.553)	0.261	0.046
3	0.25	1.10	0.260	(0.553)	0.221	0.039
4	0.33	1.50	0.355	(0.553)	0.301	0.053
5	0.42	1.50	0.355	(0.553)	0.301	0.053
6	0.50	1.80	0.425	(0.553)	0.362	0.064
7	0.58	1.50	0.355	(0.553)	0.301	0.053
8	0.67	1.80	0.425	(0.553)	0.362	0.064
9	0.75	1.80	0.425	(0.553)	0.362	0.064
10	0.83	1.50	0.355	(0.553)	0.301	0.053
11	0.92	1.60	0.378	(0.553)	0.321	0.057

12	1.00	1.80	0.425	(0.553)	0.362	0.064
13	1.08	2.20	0.520	(0.553)	0.442	0.078
14	1.17	2.20	0.520	(0.553)	0.442	0.078
15	1.25	2.20	0.520	(0.553)	0.442	0.078
16	1.33	2.00	0.473	(0.553)	0.402	0.071
17	1.42	2.60	0.615	(0.553)	0.522	0.092
18	1.50	2.70	0.638	(0.553)	0.542	0.096
19	1.58	2.40	0.567	(0.553)	0.482	0.085
20	1.67	2.70	0.638	(0.553)	0.542	0.096
21	1.75	3.30	0.780	0.553	(0.663)	0.227
22	1.83	3.10	0.733	0.553	(0.623)	0.180
23	1.92	2.90	0.686	0.553	(0.583)	0.132
24	2.00	3.00	0.709	0.553	(0.603)	0.156
25	2.08	3.10	0.733	0.553	(0.623)	0.180
26	2.17	4.20	0.993	0.553	(0.844)	0.440
27	2.25	5.00	1.182	0.553	(1.005)	0.629
28	2.33	3.50	0.827	0.553	(0.703)	0.274
29	2.42	6.80	1.607	0.553	(1.366)	1.054
30	2.50	7.30	1.726	0.553	(1.467)	1.172
31	2.58	8.20	1.938	0.553	(1.648)	1.385
32	2.67	5.90	1.395	0.553	(1.185)	0.841
33	2.75	2.00	0.473	(0.553)	0.402	0.071
34	2.83	1.80	0.425	(0.553)	0.362	0.064
35	2.92	1.80	0.425	(0.553)	0.362	0.064
36	3.00	0.60	0.142	(0.553)	0.121	0.021

(Loss Rate Not Used)

Sum = 100.0 Sum = 8.2

Flood volume = Effective rainfall 0.68(In)
times area 16.5(Ac.)/[(In)/(Ft.)] = 0.9(Ac.Ft)
Total soil loss = 1.28(In)
Total soil loss = 1.763(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 40952.7 Cubic Feet
Total soil loss = 76817.4 Cubic Feet

Peak flow rate of this hydrograph = 19.949(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0011	0.16	Q
0+10	0.0051	0.59	VQ
0+15	0.0098	0.68	VQ
0+20	0.0147	0.71	VQ
0+25	0.0204	0.83	VQ
0+30	0.0266	0.90	|Q
0+35	0.0334	0.98	|Q
0+40	0.0399	0.95	|Q
0+45	0.0470	1.03	|VQ
0+50	0.0540	1.01	| Q
0+55	0.0604	0.93	|QV
1+ 0	0.0670	0.96	|QV
1+ 5	0.0745	1.08	| QV
1+10	0.0830	1.23	| QV
1+15	0.0917	1.27	| QV
1+20	0.1004	1.27	| Q V
1+25	0.1092	1.28	| Q V
1+30	0.1194	1.47	| Q V
1+35	0.1298	1.52	| Q V
1+40	0.1400	1.48	| Q V
1+45	0.1538	2.00	| Q V
1+50	0.1751	3.09	| QV
1+55	0.1946	2.84	| Q V
2+ 0	0.2116	2.47	| Q V|
2+ 5	0.2298	2.64	| Q V|
2+10	0.2558	3.77	| Q V
2+15	0.3033	6.90	| VQ
2+20	0.3596	8.16	| VQ
2+25	0.4164	8.25	| QV
2+30	0.5212	15.22	| V Q
2+35	0.6511	18.87	| V Q
2+40	0.7885	19.95	| V Q|
2+45	0.8784	13.05	| Q V
2+50	0.9109	4.73	| Q| V
2+55	0.9262	2.21	| Q V|
3+ 0	0.9350	1.28	| Q V|
3+ 5	0.9388	0.56	|Q V|
3+10	0.9397	0.14	Q V|
3+15	0.9400	0.04	Q V|
3+20	0.9401	0.01	Q V|
3+25	0.9401	0.00	Q V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/19/23 File: MESAP16100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 1
7/19/23

Drainage Area = 16.47(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.47(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 1593.00(Ft.)
Length along longest watercourse measured to centroid = 611.00(Ft.)
Length along longest watercourse = 0.302 Mi.
Length along longest watercourse measured to centroid = 0.116 Mi.
Difference in elevation = 163.00(Ft.)
Slope along watercourse = 540.2637 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.071 Hr.
Lag time = 4.26 Min.
25% of lag time = 1.07 Min.
40% of lag time = 1.70 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.47	1.35	22.23

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.47	2.78	45.79

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.780(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
7.910	51.00	0.000
8.560	46.00	0.120

Total Area Entered = 16.47(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.480	0.270
46.0	46.0	0.611	0.120	0.545	0.520	0.283
					Sum (F) =	0.553

Area averaged mean soil loss (F) (In/Hr) = 0.553
Minimum soil loss rate ((In/Hr)) = 0.277
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.850

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	117.327	20.503	3.403
2	0.167	234.654	56.130	9.317
3	0.250	351.982	15.864	2.633
4	0.333	469.309	5.344	0.887
5	0.417	586.636	1.323	0.220
6	0.500	703.963	0.837	0.139
		Sum = 100.000	Sum=	16.599

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.553)	0.142	0.025
2	0.17	0.60	0.200	(0.553)	0.170	0.030
3	0.25	0.60	0.200	(0.553)	0.170	0.030
4	0.33	0.60	0.200	(0.553)	0.170	0.030
5	0.42	0.60	0.200	(0.553)	0.170	0.030
6	0.50	0.70	0.234	(0.553)	0.198	0.035
7	0.58	0.70	0.234	(0.553)	0.198	0.035
8	0.67	0.70	0.234	(0.553)	0.198	0.035
9	0.75	0.70	0.234	(0.553)	0.198	0.035
10	0.83	0.70	0.234	(0.553)	0.198	0.035
11	0.92	0.70	0.234	(0.553)	0.198	0.035

12	1.00	0.80	0.267	(0.553)	0.227	0.040
13	1.08	0.80	0.267	(0.553)	0.227	0.040
14	1.17	0.80	0.267	(0.553)	0.227	0.040
15	1.25	0.80	0.267	(0.553)	0.227	0.040
16	1.33	0.80	0.267	(0.553)	0.227	0.040
17	1.42	0.80	0.267	(0.553)	0.227	0.040
18	1.50	0.80	0.267	(0.553)	0.227	0.040
19	1.58	0.80	0.267	(0.553)	0.227	0.040
20	1.67	0.80	0.267	(0.553)	0.227	0.040
21	1.75	0.80	0.267	(0.553)	0.227	0.040
22	1.83	0.80	0.267	(0.553)	0.227	0.040
23	1.92	0.80	0.267	(0.553)	0.227	0.040
24	2.00	0.90	0.300	(0.553)	0.255	0.045
25	2.08	0.80	0.267	(0.553)	0.227	0.040
26	2.17	0.90	0.300	(0.553)	0.255	0.045
27	2.25	0.90	0.300	(0.553)	0.255	0.045
28	2.33	0.90	0.300	(0.553)	0.255	0.045
29	2.42	0.90	0.300	(0.553)	0.255	0.045
30	2.50	0.90	0.300	(0.553)	0.255	0.045
31	2.58	0.90	0.300	(0.553)	0.255	0.045
32	2.67	0.90	0.300	(0.553)	0.255	0.045
33	2.75	1.00	0.334	(0.553)	0.284	0.050
34	2.83	1.00	0.334	(0.553)	0.284	0.050
35	2.92	1.00	0.334	(0.553)	0.284	0.050
36	3.00	1.00	0.334	(0.553)	0.284	0.050
37	3.08	1.00	0.334	(0.553)	0.284	0.050
38	3.17	1.10	0.367	(0.553)	0.312	0.055
39	3.25	1.10	0.367	(0.553)	0.312	0.055
40	3.33	1.10	0.367	(0.553)	0.312	0.055
41	3.42	1.20	0.400	(0.553)	0.340	0.060
42	3.50	1.30	0.434	(0.553)	0.369	0.065
43	3.58	1.40	0.467	(0.553)	0.397	0.070
44	3.67	1.40	0.467	(0.553)	0.397	0.070
45	3.75	1.50	0.500	(0.553)	0.425	0.075
46	3.83	1.50	0.500	(0.553)	0.425	0.075
47	3.92	1.60	0.534	(0.553)	0.454	0.080
48	4.00	1.60	0.534	(0.553)	0.454	0.080
49	4.08	1.70	0.567	(0.553)	0.482	0.085
50	4.17	1.80	0.600	(0.553)	0.510	0.090
51	4.25	1.90	0.634	(0.553)	0.539	0.095
52	4.33	2.00	0.667	0.553	(0.567)	0.114
53	4.42	2.10	0.701	0.553	(0.595)	0.147
54	4.50	2.10	0.701	0.553	(0.595)	0.147
55	4.58	2.20	0.734	0.553	(0.624)	0.181
56	4.67	2.30	0.767	0.553	(0.652)	0.214
57	4.75	2.40	0.801	0.553	(0.681)	0.247
58	4.83	2.40	0.801	0.553	(0.681)	0.247
59	4.92	2.50	0.834	0.553	(0.709)	0.281
60	5.00	2.60	0.867	0.553	(0.737)	0.314
61	5.08	3.10	1.034	0.553	(0.879)	0.481
62	5.17	3.60	1.201	0.553	(1.021)	0.648
63	5.25	3.90	1.301	0.553	(1.106)	0.748
64	5.33	4.20	1.401	0.553	(1.191)	0.848
65	5.42	4.70	1.568	0.553	(1.333)	1.015
66	5.50	5.60	1.868	0.553	(1.588)	1.315
67	5.58	1.90	0.634	(0.553)	0.539	0.095
68	5.67	0.90	0.300	(0.553)	0.255	0.045
69	5.75	0.60	0.200	(0.553)	0.170	0.030
70	5.83	0.50	0.167	(0.553)	0.142	0.025
71	5.92	0.30	0.100	(0.553)	0.085	0.015
72	6.00	0.20	0.067	(0.553)	0.057	0.010

(Loss Rate Not Used)

Sum = 100.0 Sum = 9.7

Flood volume = Effective rainfall 0.81(In)
times area 16.5(Ac.)/[(In)/(Ft.)] = 1.1(Ac.Ft)
Total soil loss = 1.97(In)
Total soil loss = 2.710(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 48148.6 Cubic Feet
Total soil loss = 118047.4 Cubic Feet

Peak flow rate of this hydrograph = 17.042(CFS)

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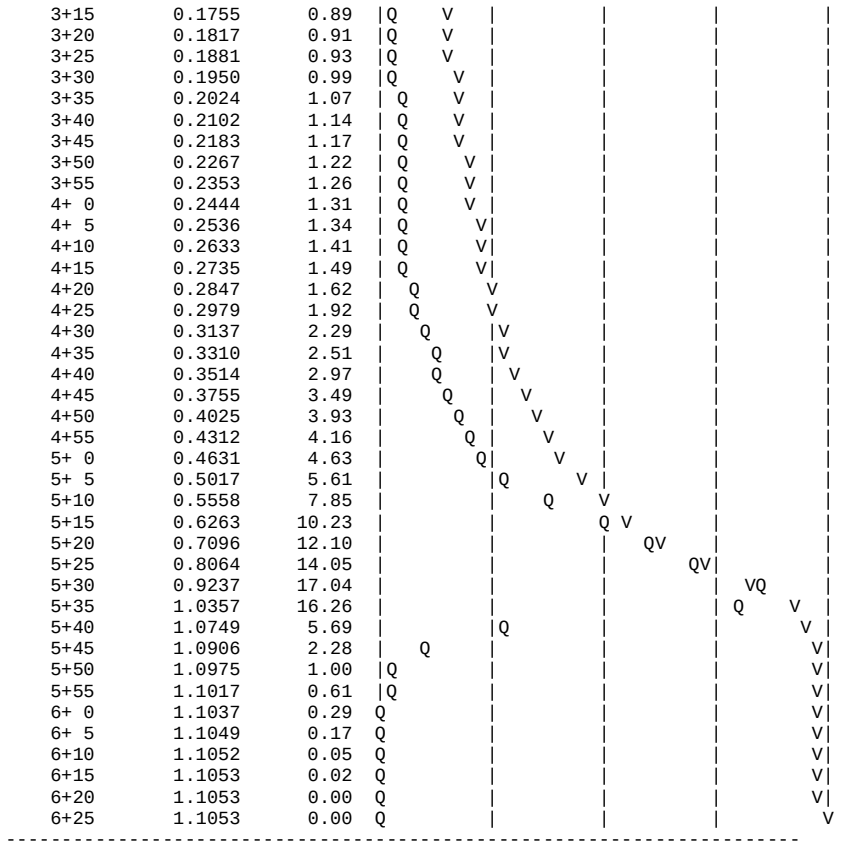
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0006	0.09	Q
0+10	0.0029	0.34	Q
0+15	0.0060	0.45	Q
0+20	0.0093	0.48	Q
0+25	0.0127	0.49	Q
0+30	0.0163	0.51	VQ
0+35	0.0201	0.56	VQ
0+40	0.0241	0.58	VQ
0+45	0.0281	0.58	|Q
0+50	0.0321	0.58	|Q
0+55	0.0361	0.58	|Q
1+ 0	0.0402	0.60	|Q
1+ 5	0.0447	0.65	|Q
1+10	0.0492	0.66	|Q
1+15	0.0538	0.66	|Q
1+20	0.0583	0.66	|QV
1+25	0.0629	0.66	|QV
1+30	0.0675	0.66	|QV
1+35	0.0721	0.66	|QV
1+40	0.0766	0.66	|QV
1+45	0.0812	0.66	|QV
1+50	0.0858	0.66	|Q V
1+55	0.0904	0.66	|Q V
2+ 0	0.0951	0.68	|Q V
2+ 5	0.1000	0.71	|Q V
2+10	0.1048	0.70	|Q V
2+15	0.1098	0.73	|Q V
2+20	0.1149	0.74	|Q V
2+25	0.1201	0.75	|Q V
2+30	0.1252	0.75	|Q V
2+35	0.1304	0.75	|Q V
2+40	0.1355	0.75	|Q V
2+45	0.1408	0.76	|Q V
2+50	0.1464	0.81	|Q V
2+55	0.1521	0.82	|Q V
3+ 0	0.1578	0.83	|Q V
3+ 5	0.1635	0.83	|Q V
3+10	0.1693	0.85	|Q V



3+15	0.1755	0.89	Q V				
3+20	0.1817	0.91	Q V				
3+25	0.1881	0.93	Q V				
3+30	0.1950	0.99	Q V				
3+35	0.2024	1.07	Q V				
3+40	0.2102	1.14	Q V				
3+45	0.2183	1.17	Q V				
3+50	0.2267	1.22	Q V				
3+55	0.2353	1.26	Q V				
4+ 0	0.2444	1.31	Q V				
4+ 5	0.2536	1.34	Q V				
4+10	0.2633	1.41	Q V				
4+15	0.2735	1.49	Q V				
4+20	0.2847	1.62	Q V				
4+25	0.2979	1.92	Q V				
4+30	0.3137	2.29	Q V				
4+35	0.3310	2.51	Q V				
4+40	0.3514	2.97	Q V				
4+45	0.3755	3.49	Q V				
4+50	0.4025	3.93	Q V				
4+55	0.4312	4.16	Q V				
5+ 0	0.4631	4.63	Q V				
5+ 5	0.5017	5.61	Q V				
5+10	0.5558	7.85	Q V				
5+15	0.6263	10.23	Q V				
5+20	0.7096	12.10	QV				
5+25	0.8064	14.05	QV				
5+30	0.9237	17.04	VQ				
5+35	1.0357	16.26	Q V				
5+40	1.0749	5.69	Q V				
5+45	1.0906	2.28	Q V				
5+50	1.0975	1.00	Q V				
5+55	1.1017	0.61	Q V				
6+ 0	1.1037	0.29	Q V				
6+ 5	1.1049	0.17	Q V				
6+10	1.1052	0.05	Q V				
6+15	1.1053	0.02	Q V				
6+20	1.1053	0.00	Q V				
6+25	1.1053	0.00	Q V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/19/23 File: MESAP124100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 1
7/19/23

Drainage Area = 16.47(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.47(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 1593.00(Ft.)
Length along longest watercourse measured to centroid = 611.00(Ft.)
Length along longest watercourse = 0.302 Mi.
Length along longest watercourse measured to centroid = 0.116 Mi.
Difference in elevation = 163.00(Ft.)
Slope along watercourse = 540.2637 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.071 Hr.
Lag time = 4.26 Min.
25% of lag time = 1.07 Min.
40% of lag time = 1.70 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.47	2.45	40.35

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.47	6.08	100.14

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 6.080(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
7.910	51.00	0.000
8.560	46.00	0.120

Total Area Entered = 16.47(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.480	0.270
46.0	46.0	0.611	0.120	0.545	0.520	0.283
					Sum (F) =	0.553

Area averaged mean soil loss (F) (In/Hr) = 0.553
Minimum soil loss rate ((In/Hr)) = 0.277
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.850

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	117.327	20.503	3.403
2	0.167	234.654	56.130	9.317
3	0.250	351.982	15.864	2.633
4	0.333	469.309	5.344	0.887
5	0.417	586.636	1.323	0.220
6	0.500	703.963	0.837	0.139
		Sum = 100.000	Sum=	16.599

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.981)	0.041	0.007
2	0.17	0.07	0.049	(0.977)	0.041	0.007
3	0.25	0.07	0.049	(0.973)	0.041	0.007
4	0.33	0.10	0.073	(0.969)	0.062	0.011
5	0.42	0.10	0.073	(0.965)	0.062	0.011
6	0.50	0.10	0.073	(0.962)	0.062	0.011
7	0.58	0.10	0.073	(0.958)	0.062	0.011
8	0.67	0.10	0.073	(0.954)	0.062	0.011
9	0.75	0.10	0.073	(0.950)	0.062	0.011
10	0.83	0.13	0.097	(0.947)	0.083	0.015
11	0.92	0.13	0.097	(0.943)	0.083	0.015

12	1.00	0.13	0.097	(0.939)	0.083	0.015
13	1.08	0.10	0.073	(0.936)	0.062	0.011
14	1.17	0.10	0.073	(0.932)	0.062	0.011
15	1.25	0.10	0.073	(0.928)	0.062	0.011
16	1.33	0.10	0.073	(0.925)	0.062	0.011
17	1.42	0.10	0.073	(0.921)	0.062	0.011
18	1.50	0.10	0.073	(0.917)	0.062	0.011
19	1.58	0.10	0.073	(0.913)	0.062	0.011
20	1.67	0.10	0.073	(0.910)	0.062	0.011
21	1.75	0.10	0.073	(0.906)	0.062	0.011
22	1.83	0.13	0.097	(0.903)	0.083	0.015
23	1.92	0.13	0.097	(0.899)	0.083	0.015
24	2.00	0.13	0.097	(0.895)	0.083	0.015
25	2.08	0.13	0.097	(0.892)	0.083	0.015
26	2.17	0.13	0.097	(0.888)	0.083	0.015
27	2.25	0.13	0.097	(0.884)	0.083	0.015
28	2.33	0.13	0.097	(0.881)	0.083	0.015
29	2.42	0.13	0.097	(0.877)	0.083	0.015
30	2.50	0.13	0.097	(0.874)	0.083	0.015
31	2.58	0.17	0.122	(0.870)	0.103	0.018
32	2.67	0.17	0.122	(0.866)	0.103	0.018
33	2.75	0.17	0.122	(0.863)	0.103	0.018
34	2.83	0.17	0.122	(0.859)	0.103	0.018
35	2.92	0.17	0.122	(0.856)	0.103	0.018
36	3.00	0.17	0.122	(0.852)	0.103	0.018
37	3.08	0.17	0.122	(0.849)	0.103	0.018
38	3.17	0.17	0.122	(0.845)	0.103	0.018
39	3.25	0.17	0.122	(0.842)	0.103	0.018
40	3.33	0.17	0.122	(0.838)	0.103	0.018
41	3.42	0.17	0.122	(0.835)	0.103	0.018
42	3.50	0.17	0.122	(0.831)	0.103	0.018
43	3.58	0.17	0.122	(0.828)	0.103	0.018
44	3.67	0.17	0.122	(0.824)	0.103	0.018
45	3.75	0.17	0.122	(0.821)	0.103	0.018
46	3.83	0.20	0.146	(0.817)	0.124	0.022
47	3.92	0.20	0.146	(0.814)	0.124	0.022
48	4.00	0.20	0.146	(0.810)	0.124	0.022
49	4.08	0.20	0.146	(0.807)	0.124	0.022
50	4.17	0.20	0.146	(0.804)	0.124	0.022
51	4.25	0.20	0.146	(0.800)	0.124	0.022
52	4.33	0.23	0.170	(0.797)	0.145	0.026
53	4.42	0.23	0.170	(0.793)	0.145	0.026
54	4.50	0.23	0.170	(0.790)	0.145	0.026
55	4.58	0.23	0.170	(0.787)	0.145	0.026
56	4.67	0.23	0.170	(0.783)	0.145	0.026
57	4.75	0.23	0.170	(0.780)	0.145	0.026
58	4.83	0.27	0.195	(0.776)	0.165	0.029
59	4.92	0.27	0.195	(0.773)	0.165	0.029
60	5.00	0.27	0.195	(0.770)	0.165	0.029
61	5.08	0.20	0.146	(0.766)	0.124	0.022
62	5.17	0.20	0.146	(0.763)	0.124	0.022
63	5.25	0.20	0.146	(0.760)	0.124	0.022
64	5.33	0.23	0.170	(0.756)	0.145	0.026
65	5.42	0.23	0.170	(0.753)	0.145	0.026
66	5.50	0.23	0.170	(0.750)	0.145	0.026
67	5.58	0.27	0.195	(0.747)	0.165	0.029
68	5.67	0.27	0.195	(0.743)	0.165	0.029
69	5.75	0.27	0.195	(0.740)	0.165	0.029
70	5.83	0.27	0.195	(0.737)	0.165	0.029
71	5.92	0.27	0.195	(0.733)	0.165	0.029
72	6.00	0.27	0.195	(0.730)	0.165	0.029
73	6.08	0.30	0.219	(0.727)	0.186	0.033
74	6.17	0.30	0.219	(0.724)	0.186	0.033
75	6.25	0.30	0.219	(0.720)	0.186	0.033
76	6.33	0.30	0.219	(0.717)	0.186	0.033
77	6.42	0.30	0.219	(0.714)	0.186	0.033
78	6.50	0.30	0.219	(0.711)	0.186	0.033
79	6.58	0.33	0.243	(0.708)	0.207	0.036
80	6.67	0.33	0.243	(0.704)	0.207	0.036
81	6.75	0.33	0.243	(0.701)	0.207	0.036
82	6.83	0.33	0.243	(0.698)	0.207	0.036
83	6.92	0.33	0.243	(0.695)	0.207	0.036
84	7.00	0.33	0.243	(0.692)	0.207	0.036
85	7.08	0.33	0.243	(0.689)	0.207	0.036
86	7.17	0.33	0.243	(0.686)	0.207	0.036
87	7.25	0.33	0.243	(0.682)	0.207	0.036
88	7.33	0.37	0.268	(0.679)	0.227	0.040
89	7.42	0.37	0.268	(0.676)	0.227	0.040
90	7.50	0.37	0.268	(0.673)	0.227	0.040
91	7.58	0.40	0.292	(0.670)	0.248	0.044
92	7.67	0.40	0.292	(0.667)	0.248	0.044
93	7.75	0.40	0.292	(0.664)	0.248	0.044
94	7.83	0.43	0.316	(0.661)	0.269	0.047
95	7.92	0.43	0.316	(0.658)	0.269	0.047
96	8.00	0.43	0.316	(0.655)	0.269	0.047
97	8.08	0.50	0.365	(0.652)	0.310	0.055
98	8.17	0.50	0.365	(0.649)	0.310	0.055
99	8.25	0.50	0.365	(0.646)	0.310	0.055
100	8.33	0.50	0.365	(0.643)	0.310	0.055
101	8.42	0.50	0.365	(0.640)	0.310	0.055
102	8.50	0.50	0.365	(0.637)	0.310	0.055
103	8.58	0.53	0.389	(0.634)	0.331	0.058
104	8.67	0.53	0.389	(0.631)	0.331	0.058
105	8.75	0.53	0.389	(0.628)	0.331	0.058
106	8.83	0.57	0.413	(0.625)	0.351	0.062
107	8.92	0.57	0.413	(0.622)	0.351	0.062
108	9.00	0.57	0.413	(0.619)	0.351	0.062
109	9.08	0.63	0.462	(0.616)	0.393	0.069
110	9.17	0.63	0.462	(0.613)	0.393	0.069
111	9.25	0.63	0.462	(0.610)	0.393	0.069
112	9.33	0.67	0.486	(0.607)	0.413	0.073
113	9.42	0.67	0.486	(0.604)	0.413	0.073
114	9.50	0.67	0.486	(0.601)	0.413	0.073
115	9.58	0.70	0.511	(0.598)	0.434	0.077
116	9.67	0.70	0.511	(0.596)	0.434	0.077
117	9.75	0.70	0.511	(0.593)	0.434	0.077
118	9.83	0.73	0.535	(0.590)	0.455	0.080
119	9.92	0.73	0.535	(0.587)	0.455	0.080
120	10.00	0.73	0.535	(0.584)	0.455	0.080
121	10.08	0.50	0.365	(0.581)	0.310	0.055
122	10.17	0.50	0.365	(0.579)	0.310	0.055
123	10.25	0.50	0.365	(0.576)	0.310	0.055
124	10.33	0.50	0.365	(0.573)	0.310	0.055
125	10.42	0.50	0.365	(0.570)	0.310	0.055
126	10.50	0.50	0.365	(0.567)	0.310	0.055
127	10.58	0.67	0.486	(0.565)	0.413	0.073
128	10.67	0.67	0.486	(0.562)	0.413	0.073
129	10.75	0.67	0.486	(0.559)	0.413	0.073
130	10.83	0.67	0.486	(0.556)	0.413	0.073
131	10.92	0.67	0.486	(0.554)	0.413	0.073

132	11.00	0.67	0.486	(0.551)	0.413	0.073
133	11.08	0.63	0.462	(0.548)	0.393	0.069
134	11.17	0.63	0.462	(0.545)	0.393	0.069
135	11.25	0.63	0.462	(0.543)	0.393	0.069
136	11.33	0.63	0.462	(0.540)	0.393	0.069
137	11.42	0.63	0.462	(0.537)	0.393	0.069
138	11.50	0.63	0.462	(0.535)	0.393	0.069
139	11.58	0.57	0.413	(0.532)	0.351	0.062
140	11.67	0.57	0.413	(0.529)	0.351	0.062
141	11.75	0.57	0.413	(0.527)	0.351	0.062
142	11.83	0.60	0.438	(0.524)	0.372	0.066
143	11.92	0.60	0.438	(0.522)	0.372	0.066
144	12.00	0.60	0.438	(0.519)	0.372	0.066
145	12.08	0.83	0.608	0.516	(0.517)	0.092
146	12.17	0.83	0.608	0.514	(0.517)	0.094
147	12.25	0.83	0.608	0.511	(0.517)	0.097
148	12.33	0.87	0.632	0.509	(0.537)	0.124
149	12.42	0.87	0.632	0.506	(0.537)	0.126
150	12.50	0.87	0.632	0.504	(0.537)	0.129
151	12.58	0.93	0.681	0.501	(0.579)	0.180
152	12.67	0.93	0.681	0.498	(0.579)	0.182
153	12.75	0.93	0.681	0.496	(0.579)	0.185
154	12.83	0.97	0.705	0.493	(0.599)	0.212
155	12.92	0.97	0.705	0.491	(0.599)	0.214
156	13.00	0.97	0.705	0.488	(0.599)	0.217
157	13.08	1.13	0.827	0.486	(0.703)	0.341
158	13.17	1.13	0.827	0.484	(0.703)	0.343
159	13.25	1.13	0.827	0.481	(0.703)	0.346
160	13.33	1.13	0.827	0.479	(0.703)	0.348
161	13.42	1.13	0.827	0.476	(0.703)	0.351
162	13.50	1.13	0.827	0.474	(0.703)	0.353
163	13.58	0.77	0.559	0.471	(0.475)	0.088
164	13.67	0.77	0.559	0.469	(0.475)	0.090
165	13.75	0.77	0.559	0.467	(0.475)	0.093
166	13.83	0.77	0.559	0.464	(0.475)	0.095
167	13.92	0.77	0.559	0.462	(0.475)	0.097
168	14.00	0.77	0.559	0.459	(0.475)	0.100
169	14.08	0.90	0.657	0.457	(0.558)	0.199
170	14.17	0.90	0.657	0.455	(0.558)	0.202
171	14.25	0.90	0.657	0.452	(0.558)	0.204
172	14.33	0.87	0.632	0.450	(0.537)	0.182
173	14.42	0.87	0.632	0.448	(0.537)	0.184
174	14.50	0.87	0.632	0.446	(0.537)	0.187
175	14.58	0.87	0.632	0.443	(0.537)	0.189
176	14.67	0.87	0.632	0.441	(0.537)	0.191
177	14.75	0.87	0.632	0.439	(0.537)	0.194
178	14.83	0.83	0.608	0.437	(0.517)	0.171
179	14.92	0.83	0.608	0.434	(0.517)	0.174
180	15.00	0.83	0.608	0.432	(0.517)	0.176
181	15.08	0.80	0.584	0.430	(0.496)	0.154
182	15.17	0.80	0.584	0.428	(0.496)	0.156
183	15.25	0.80	0.584	0.425	(0.496)	0.158
184	15.33	0.77	0.559	0.423	(0.475)	0.136
185	15.42	0.77	0.559	0.421	(0.475)	0.138
186	15.50	0.77	0.559	0.419	(0.475)	0.140
187	15.58	0.63	0.462	(0.417)	0.393	0.069
188	15.67	0.63	0.462	(0.415)	0.393	0.069
189	15.75	0.63	0.462	(0.413)	0.393	0.069
190	15.83	0.63	0.462	(0.410)	0.393	0.069
191	15.92	0.63	0.462	(0.408)	0.393	0.069
192	16.00	0.63	0.462	(0.406)	0.393	0.069
193	16.08	0.13	0.097	(0.404)	0.083	0.015
194	16.17	0.13	0.097	(0.402)	0.083	0.015
195	16.25	0.13	0.097	(0.400)	0.083	0.015
196	16.33	0.13	0.097	(0.398)	0.083	0.015
197	16.42	0.13	0.097	(0.396)	0.083	0.015
198	16.50	0.13	0.097	(0.394)	0.083	0.015
199	16.58	0.10	0.073	(0.392)	0.062	0.011
200	16.67	0.10	0.073	(0.390)	0.062	0.011
201	16.75	0.10	0.073	(0.388)	0.062	0.011
202	16.83	0.10	0.073	(0.386)	0.062	0.011
203	16.92	0.10	0.073	(0.384)	0.062	0.011
204	17.00	0.10	0.073	(0.382)	0.062	0.011
205	17.08	0.17	0.122	(0.380)	0.103	0.018
206	17.17	0.17	0.122	(0.378)	0.103	0.018
207	17.25	0.17	0.122	(0.376)	0.103	0.018
208	17.33	0.17	0.122	(0.374)	0.103	0.018
209	17.42	0.17	0.122	(0.373)	0.103	0.018
210	17.50	0.17	0.122	(0.371)	0.103	0.018
211	17.58	0.17	0.122	(0.369)	0.103	0.018
212	17.67	0.17	0.122	(0.367)	0.103	0.018
213	17.75	0.17	0.122	(0.365)	0.103	0.018
214	17.83	0.13	0.097	(0.363)	0.083	0.015
215	17.92	0.13	0.097	(0.362)	0.083	0.015
216	18.00	0.13	0.097	(0.360)	0.083	0.015
217	18.08	0.13	0.097	(0.358)	0.083	0.015
218	18.17	0.13	0.097	(0.356)	0.083	0.015
219	18.25	0.13	0.097	(0.355)	0.083	0.015
220	18.33	0.13	0.097	(0.353)	0.083	0.015
221	18.42	0.13	0.097	(0.351)	0.083	0.015
222	18.50	0.13	0.097	(0.349)	0.083	0.015
223	18.58	0.10	0.073	(0.348)	0.062	0.011
224	18.67	0.10	0.073	(0.346)	0.062	0.011
225	18.75	0.10	0.073	(0.344)	0.062	0.011
226	18.83	0.07	0.049	(0.343)	0.041	0.007
227	18.92	0.07	0.049	(0.341)	0.041	0.007
228	19.00	0.07	0.049	(0.339)	0.041	0.007
229	19.08	0.10	0.073	(0.338)	0.062	0.011
230	19.17	0.10	0.073	(0.336)	0.062	0.011
231	19.25	0.10	0.073	(0.335)	0.062	0.011
232	19.33	0.13	0.097	(0.333)	0.083	0.015
233	19.42	0.13	0.097	(0.332)	0.083	0.015
234	19.50	0.13	0.097	(0.330)	0.083	0.015
235	19.58	0.10	0.073	(0.329)	0.062	0.011
236	19.67	0.10	0.073	(0.327)	0.062	0.011
237	19.75	0.10	0.073	(0.326)	0.062	0.011
238	19.83	0.07	0.049	(0.324)	0.041	0.007
239	19.92	0.07	0.049	(0.323)	0.041	0.007
240	20.00	0.07	0.049	(0.321)	0.041	0.007
241	20.08	0.10	0.073	(0.320)	0.062	0.011
242	20.17	0.10	0.073	(0.318)	0.062	0.011
243	20.25	0.10	0.073	(0.317)	0.062	0.011
244	20.33	0.10	0.073	(0.316)	0.062	0.011
245	20.42	0.10	0.073	(0.314)	0.062	0.011
246	20.50	0.10	0.073	(0.313)	0.062	0.011
247	20.58	0.10	0.073	(0.312)	0.062	0.011
248	20.67	0.10	0.073	(0.310)	0.062	0.011
249	20.75	0.10	0.073	(0.309)	0.062	0.011
250	20.83	0.07	0.049	(0.308)	0.041	0.007
251	20.92	0.07	0.049	(0.307)	0.041	0.007

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252  21.00     0.07      0.049       (  0.305)       0.041        0.007
253  21.08     0.10      0.073       (  0.304)       0.062        0.011
254  21.17     0.10      0.073       (  0.303)       0.062        0.011
255  21.25     0.10      0.073       (  0.302)       0.062        0.011
256  21.33     0.07      0.049       (  0.301)       0.041        0.007
257  21.42     0.07      0.049       (  0.299)       0.041        0.007
258  21.50     0.07      0.049       (  0.298)       0.041        0.007
259  21.58     0.10      0.073       (  0.297)       0.062        0.011
260  21.67     0.10      0.073       (  0.296)       0.062        0.011
261  21.75     0.10      0.073       (  0.295)       0.062        0.011
262  21.83     0.07      0.049       (  0.294)       0.041        0.007
263  21.92     0.07      0.049       (  0.293)       0.041        0.007
264  22.00     0.07      0.049       (  0.292)       0.041        0.007
265  22.08     0.10      0.073       (  0.291)       0.062        0.011
266  22.17     0.10      0.073       (  0.290)       0.062        0.011
267  22.25     0.10      0.073       (  0.289)       0.062        0.011
268  22.33     0.07      0.049       (  0.288)       0.041        0.007
269  22.42     0.07      0.049       (  0.287)       0.041        0.007
270  22.50     0.07      0.049       (  0.287)       0.041        0.007
271  22.58     0.07      0.049       (  0.286)       0.041        0.007
272  22.67     0.07      0.049       (  0.285)       0.041        0.007
273  22.75     0.07      0.049       (  0.284)       0.041        0.007
274  22.83     0.07      0.049       (  0.283)       0.041        0.007
275  22.92     0.07      0.049       (  0.283)       0.041        0.007
276  23.00     0.07      0.049       (  0.282)       0.041        0.007
277  23.08     0.07      0.049       (  0.281)       0.041        0.007
278  23.17     0.07      0.049       (  0.281)       0.041        0.007
279  23.25     0.07      0.049       (  0.280)       0.041        0.007
280  23.33     0.07      0.049       (  0.280)       0.041        0.007
281  23.42     0.07      0.049       (  0.279)       0.041        0.007
282  23.50     0.07      0.049       (  0.279)       0.041        0.007
283  23.58     0.07      0.049       (  0.278)       0.041        0.007
284  23.67     0.07      0.049       (  0.278)       0.041        0.007
285  23.75     0.07      0.049       (  0.277)       0.041        0.007
286  23.83     0.07      0.049       (  0.277)       0.041        0.007
287  23.92     0.07      0.049       (  0.277)       0.041        0.007
288  24.00     0.07      0.049       (  0.277)       0.041        0.007
              (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    14.5
       Flood volume = Effective rainfall      1.21(In)
        times area      16.5(Ac.)/[(In)/(Ft.)] =       1.7(Ac.Ft)
       Total soil loss =      4.87(In)
       Total soil loss =     6.687(Ac.Ft)
       Total rainfall =      6.08(In)
       Flood volume =       72216.3 Cubic Feet
       Total soil loss =      291271.5 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =      5.818(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                       R u n o f f     H y d r o g r a p h
       ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ---------------------------------------------------------------------------
   0+ 5       0.0002      0.02  Q        |         |         |         |
   0+10       0.0008      0.09  Q        |         |         |         |
   0+15       0.0016      0.11  Q        |         |         |         |
   0+20       0.0025      0.13  Q        |         |         |         |
   0+25       0.0036      0.17  Q        |         |         |         |
   0+30       0.0049      0.18  Q        |         |         |         |
   0+35       0.0061      0.18  Q        |         |         |         |
   0+40       0.0073      0.18  Q        |         |         |         |
   0+45       0.0086      0.18  Q        |         |         |         |
   0+50       0.0099      0.19  Q        |         |         |         |
   0+55       0.0115      0.23  Q        |         |         |         |
   1+ 0       0.0131      0.24  Q        |         |         |         |
   1+ 5       0.0147      0.23  Q        |         |         |         |
   1+10       0.0161      0.20  Q        |         |         |         |
   1+15       0.0173      0.19  Q        |         |         |         |
   1+20       0.0186      0.18  Q        |         |         |         |
   1+25       0.0199      0.18  Q        |         |         |         |
   1+30       0.0211      0.18  Q        |         |         |         |
   1+35       0.0224      0.18  Q        |         |         |         |
   1+40       0.0236      0.18  Q        |         |         |         |
   1+45       0.0249      0.18  Q        |         |         |         |
   1+50       0.0262      0.19  Q        |         |         |         |
   1+55       0.0278      0.23  Q        |         |         |         |
   2+ 0       0.0294      0.24  Q        |         |         |         |
   2+ 5       0.0311      0.24  Q        |         |         |         |
   2+10       0.0327      0.24  Q        |         |         |         |
   2+15       0.0344      0.24  Q        |         |         |         |
   2+20       0.0361      0.24  Q        |         |         |         |
   2+25       0.0377      0.24  Q        |         |         |         |
   2+30       0.0394      0.24  Q        |         |         |         |
   2+35       0.0412      0.25  VQ       |         |         |         |
   2+40       0.0432      0.29  |Q       |         |         |         |
   2+45       0.0452      0.30  |Q       |         |         |         |
   2+50       0.0473      0.30  |Q       |         |         |         |
   2+55       0.0494      0.30  |Q       |         |         |         |
   3+ 0       0.0515      0.30  |Q       |         |         |         |
   3+ 5       0.0535      0.30  |Q       |         |         |         |
   3+10       0.0556      0.30  |Q       |         |         |         |
   3+15       0.0577      0.30  |Q       |         |         |         |
   3+20       0.0598      0.30  |Q       |         |         |         |
   3+25       0.0619      0.30  |Q       |         |         |         |
   3+30       0.0640      0.30  |Q       |         |         |         |
   3+35       0.0661      0.30  |Q       |         |         |         |
   3+40       0.0681      0.30  |Q       |         |         |         |
   3+45       0.0702      0.30  |Q       |         |         |         |
   3+50       0.0724      0.32  |Q       |         |         |         |
   3+55       0.0748      0.35  |Q       |         |         |         |
   4+ 0       0.0773      0.36  |Q       |         |         |         |
   4+ 5       0.0798      0.36  |Q       |         |         |         |
   4+10       0.0823      0.36  |Q       |         |         |         |
   4+15       0.0848      0.36  |QV      |         |         |         |
   4+20       0.0874      0.38  |QV      |         |         |         |
   4+25       0.0902      0.41  |QV      |         |         |         |
   4+30       0.0931      0.42  |QV      |         |         |         |
   4+35       0.0960      0.42  |QV      |         |         |         |
   4+40       0.0989      0.42  |QV      |         |         |         |
   4+45       0.1018      0.42  |QV      |         |         |         |
   4+50       0.1048      0.44  |QV      |         |         |         |
   4+55       0.1081      0.47  |QV      |         |         |         |
   5+ 0       0.1114      0.48  |QV      |         |         |         |
   5+ 5       0.1145      0.46  |QV      |         |         |         |
   5+10       0.1172      0.39  |QV      |         |         |         |
```

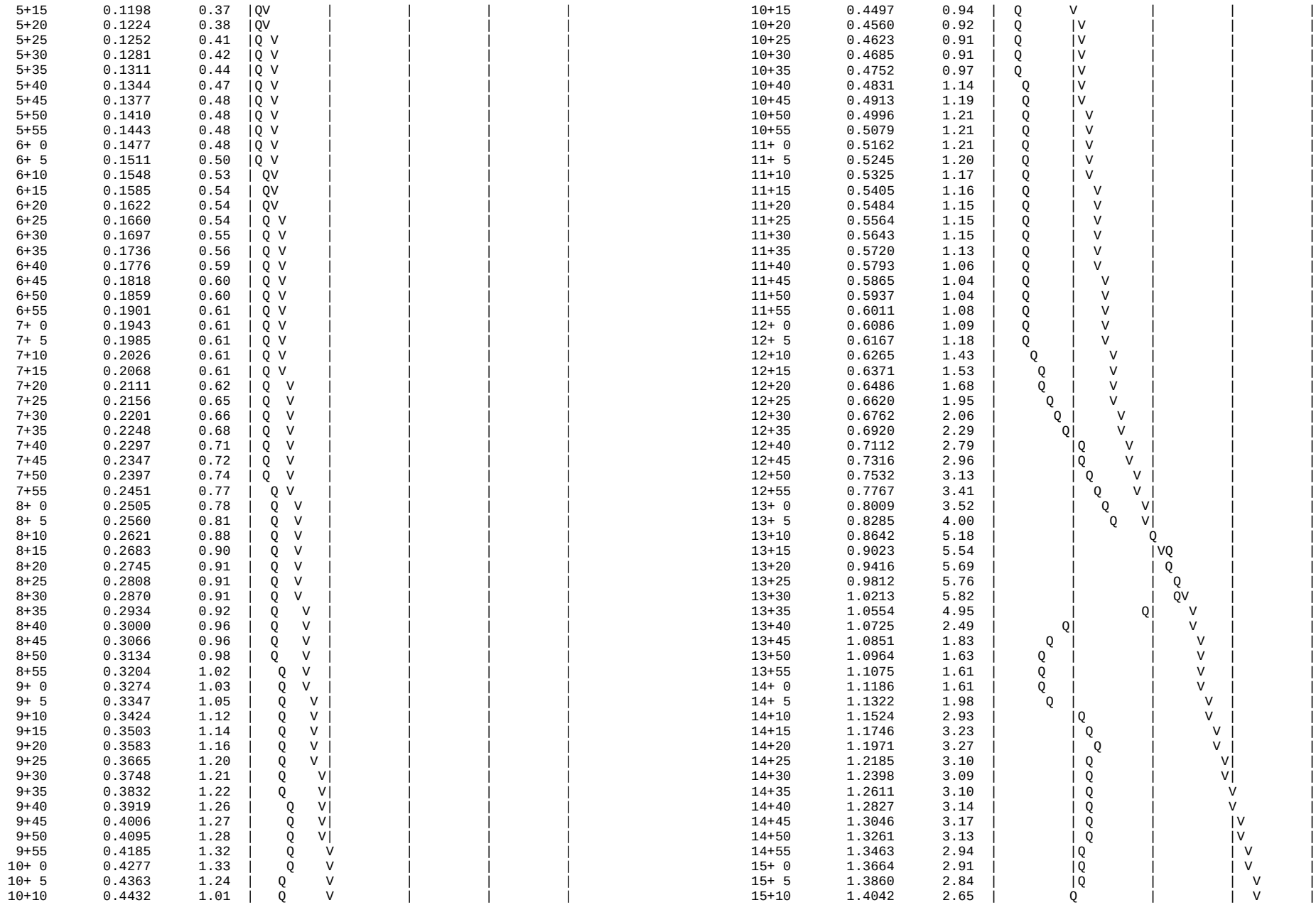

15+15	1.4222	2.62		Q		V
15+20	1.4398	2.55		Q		V
15+25	1.4560	2.35		Q		V
15+30	1.4720	2.32		Q		V
15+35	1.4863	2.09		Q		V
15+40	1.4962	1.43	Q			V
15+45	1.5047	1.24	Q			V
15+50	1.5128	1.18	Q			V
15+55	1.5208	1.16	Q			V
16+ 0	1.5287	1.15	Q			V
16+ 5	1.5354	0.96	Q			V
16+10	1.5385	0.45	Q			V
16+15	1.5406	0.31	Q			V
16+20	1.5424	0.26	Q			V
16+25	1.5441	0.25	Q			V
16+30	1.5458	0.24	Q			V
16+35	1.5474	0.23	Q			V
16+40	1.5488	0.20	Q			V
16+45	1.5500	0.19	Q			V
16+50	1.5513	0.18	Q			V
16+55	1.5525	0.18	Q			V
17+ 0	1.5538	0.18	Q			V
17+ 5	1.5552	0.21	Q			V
17+10	1.5571	0.27	Q			V
17+15	1.5591	0.29	Q			V
17+20	1.5612	0.30	Q			V
17+25	1.5633	0.30	Q			V
17+30	1.5654	0.30	Q			V
17+35	1.5675	0.30	Q			V
17+40	1.5695	0.30	Q			V
17+45	1.5716	0.30	Q			V
17+50	1.5736	0.29	Q			V
17+55	1.5754	0.26	Q			V
18+ 0	1.5771	0.25	Q			V
18+ 5	1.5788	0.24	Q			V
18+10	1.5804	0.24	Q			V
18+15	1.5821	0.24	Q			V
18+20	1.5838	0.24	Q			V
18+25	1.5855	0.24	Q			V
18+30	1.5871	0.24	Q			V
18+35	1.5887	0.23	Q			V
18+40	1.5901	0.20	Q			V
18+45	1.5913	0.19	Q			V
18+50	1.5925	0.17	Q			V
18+55	1.5934	0.14	Q			V
19+ 0	1.5943	0.13	Q			V
19+ 5	1.5952	0.13	Q			V
19+10	1.5964	0.17	Q			V
19+15	1.5976	0.18	Q			V
19+20	1.5990	0.19	Q			V
19+25	1.6005	0.23	Q			V
19+30	1.6022	0.24	Q			V
19+35	1.6037	0.23	Q			V
19+40	1.6051	0.20	Q			V
19+45	1.6064	0.19	Q			V
19+50	1.6075	0.17	Q			V
19+55	1.6085	0.14	Q			V
20+ 0	1.6093	0.13	Q			V
20+ 5	1.6103	0.13	Q			V
20+10	1.6114	0.17	Q			V
20+15	1.6126	0.18	Q			V
20+20	1.6139	0.18	Q			V
20+25	1.6151	0.18	Q			V
20+30	1.6164	0.18	Q			V
20+35	1.6176	0.18	Q			V
20+40	1.6189	0.18	Q			V
20+45	1.6201	0.18	Q			V
20+50	1.6213	0.17	Q			V
20+55	1.6222	0.14	Q			V
21+ 0	1.6231	0.13	Q			V
21+ 5	1.6240	0.13	Q			V
21+10	1.6252	0.17	Q			V
21+15	1.6264	0.18	Q			V
21+20	1.6276	0.17	Q			V
21+25	1.6285	0.13	Q			V
21+30	1.6294	0.13	Q			V
21+35	1.6303	0.13	Q			V
21+40	1.6314	0.17	Q			V
21+45	1.6327	0.18	Q			V
21+50	1.6338	0.17	Q			V
21+55	1.6348	0.13	Q			V
22+ 0	1.6356	0.13	Q			V
22+ 5	1.6365	0.13	Q			V
22+10	1.6377	0.17	Q			V
22+15	1.6389	0.18	Q			V
22+20	1.6401	0.17	Q			V
22+25	1.6410	0.13	Q			V
22+30	1.6419	0.13	Q			V
22+35	1.6427	0.12	Q			V
22+40	1.6436	0.12	Q			V
22+45	1.6444	0.12	Q			V
22+50	1.6452	0.12	Q			V
22+55	1.6461	0.12	Q			V
23+ 0	1.6469	0.12	Q			V
23+ 5	1.6477	0.12	Q			V
23+10	1.6486	0.12	Q			V
23+15	1.6494	0.12	Q			V
23+20	1.6502	0.12	Q			V
23+25	1.6511	0.12	Q			V
23+30	1.6519	0.12	Q			V
23+35	1.6527	0.12	Q			V
23+40	1.6536	0.12	Q			V
23+45	1.6544	0.12	Q			V
23+50	1.6552	0.12	Q			V
23+55	1.6561	0.12	Q			V
24+ 0	1.6569	0.12	Q			V
24+ 5	1.6576	0.10	Q			V
24+10	1.6578	0.03	Q			V
24+15	1.6578	0.01	Q			V
24+20	1.6579	0.00	Q			V
24+25	1.6579	0.00	Q			V

AREAS TRIBUTARY TO CP2

AREA 2
(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/19/23 File: MESAP23100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 2
7/19/23

Drainage Area = 24.04(Ac.) = 0.038 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 24.04(Ac.) = 0.038 Sq. Mi.
Length along longest watercourse = 2583.00(Ft.)
Length along longest watercourse measured to centroid = 893.00(Ft.)
Length along longest watercourse = 0.489 Mi.
Length along longest watercourse measured to centroid = 0.169 Mi.
Difference in elevation = 95.60(Ft.)
Slope along watercourse = 195.4193 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.120 Hr.
Lag time = 7.18 Min.
25% of lag time = 1.79 Min.
40% of lag time = 2.87 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
24.04	0.94	22.60

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
24.04	1.97	47.36

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.970(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.310	51.00	0.000
0.590	70.00	0.000
9.760	80.00	0.000
5.880	84.00	0.000
0.300	65.00	0.120
7.200	82.00	0.120

Total Area Entered = 24.04(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.013	0.007
70.0	70.0	0.362	0.000	0.362	0.025	0.009
80.0	80.0	0.244	0.000	0.244	0.406	0.099
84.0	84.0	0.198	0.000	0.198	0.245	0.049
65.0	65.0	0.416	0.120	0.371	0.012	0.005
82.0	82.0	0.221	0.120	0.197	0.300	0.059
					Sum (F) =	0.227

Area averaged mean soil loss (F) (In/Hr) = 0.227
Minimum soil loss rate ((In/Hr)) = 0.114
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.870

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	69.678	7.105	1.721
2	0.167	139.356	40.803	9.886
3	0.250	209.033	29.203	7.075
4	0.333	278.711	10.967	2.657
5	0.417	348.389	6.075	1.472
6	0.500	418.067	3.179	0.770
7	0.583	487.744	1.183	0.287
8	0.667	557.422	0.618	0.150
9	0.750	627.100	0.485	0.118
10	0.833	696.778	0.299	0.073
11	0.917	766.455	0.084	0.020
			Sum = 100.000	Sum= 24.228

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.227	(0.267)	0.080
2	0.17	1.30	0.307	0.227	(0.267)	0.080
3	0.25	1.10	0.260	(0.227)	0.226	0.034
4	0.33	1.50	0.355	0.227	(0.308)	0.127
5	0.42	1.50	0.355	0.227	(0.308)	0.127
6	0.50	1.80	0.425	0.227	(0.370)	0.198
7	0.58	1.50	0.355	0.227	(0.308)	0.127
8	0.67	1.80	0.425	0.227	(0.370)	0.198
9	0.75	1.80	0.425	0.227	(0.370)	0.198
10	0.83	1.50	0.355	0.227	(0.308)	0.127
11	0.92	1.60	0.378	0.227	(0.329)	0.151
12	1.00	1.80	0.425	0.227	(0.370)	0.198
13	1.08	2.20	0.520	0.227	(0.452)	0.293
14	1.17	2.20	0.520	0.227	(0.452)	0.293
15	1.25	2.20	0.520	0.227	(0.452)	0.293
16	1.33	2.00	0.473	0.227	(0.411)	0.245
17	1.42	2.60	0.615	0.227	(0.535)	0.387
18	1.50	2.70	0.638	0.227	(0.555)	0.411
19	1.58	2.40	0.567	0.227	(0.494)	0.340
20	1.67	2.70	0.638	0.227	(0.555)	0.411
21	1.75	3.30	0.780	0.227	(0.679)	0.553
22	1.83	3.10	0.733	0.227	(0.638)	0.505
23	1.92	2.90	0.685	0.227	(0.596)	0.458
24	2.00	3.00	0.709	0.227	(0.617)	0.482
25	2.08	3.10	0.733	0.227	(0.638)	0.505
26	2.17	4.20	0.993	0.227	(0.864)	0.765
27	2.25	5.00	1.182	0.227	(1.028)	0.954
28	2.33	3.50	0.827	0.227	(0.720)	0.600
29	2.42	6.80	1.607	0.227	(1.398)	1.380
30	2.50	7.30	1.726	0.227	(1.501)	1.498
31	2.58	8.20	1.938	0.227	(1.686)	1.711
32	2.67	5.90	1.395	0.227	(1.213)	1.167
33	2.75	2.00	0.473	0.227	(0.411)	0.245
34	2.83	1.80	0.425	0.227	(0.370)	0.198
35	2.92	1.80	0.425	0.227	(0.370)	0.198
36	3.00	0.60	0.142	(0.227)	0.123	0.018

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.6

Flood volume = Effective rainfall 1.30(In)
times area 24.0(Ac.)/[(In)/(Ft.)] = 2.6(Ac.Ft)
Total soil loss = 0.67(In)
Total soil loss = 1.349(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 113116.5 Cubic Feet
Total soil loss = 58777.9 Cubic Feet

Peak flow rate of this hydrograph = 35.219(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0009	0.14	Q				
0+10	0.0073	0.93	Q				
0+15	0.0171	1.41	VQ				
0+20	0.0262	1.33	VQ				
0+25	0.0403	2.05	V Q				
0+30	0.0594	2.77	V Q				
0+35	0.0838	3.55	V Q				
0+40	0.1085	3.59	V Q				
0+45	0.1364	4.04	V Q				
0+50	0.1664	4.36	V Q				
0+55	0.1929	3.85	VQ				
1+ 0	0.2187	3.74	Q				
1+ 5	0.2490	4.40	VQ				
1+10	0.2880	5.65	VQ				
1+15	0.3323	6.43	VQ				
1+20	0.3782	6.68	VQ				
1+25	0.4239	6.63	Q				
1+30	0.4777	7.82	Q				
1+35	0.5386	8.84	Q				
1+40	0.5989	8.76	QV				
1+45	0.6640	9.45	QV				
1+50	0.7413	11.22	Q				
1+55	0.8227	11.82	QV				
2+ 0	0.9020	11.50	Q V				
2+ 5	0.9817	11.58	Q V				
2+10	1.0668	12.36	Q V				
2+15	1.1731	15.43	Q V				
2+20	1.3013	18.61	Q V				
2+25	1.4288	18.52	Q V				
2+30	1.5999	24.84	Q				
2+35	1.8165	31.44	V Q				
2+40	2.0590	35.22	V Q				
2+45	2.2728	31.05	Q V				
2+50	2.4058	19.30	Q	V			
2+55	2.4848	11.48	Q	V			
3+ 0	2.5390	7.87	Q	V			
3+ 5	2.5687	4.31	Q	V			
3+10	2.5826	2.02	Q	V			
3+15	2.5900	1.08	Q	V			
3+20	2.5939	0.57	Q	V			
3+25	2.5956	0.25	Q	V			
3+30	2.5963	0.10	Q	V			
3+35	2.5966	0.05	Q	V			
3+40	2.5968	0.02	Q	V			
3+45	2.5968	0.01	Q	V			
3+50	2.5968	0.00	Q	V			

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/19/23 File: MESAP26100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 2
7/19/23

Drainage Area = 24.04(Ac.) = 0.038 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 24.04(Ac.) = 0.038 Sq. Mi.
Length along longest watercourse = 2583.00(Ft.)
Length along longest watercourse measured to centroid = 893.00(Ft.)
Length along longest watercourse = 0.489 Mi.
Length along longest watercourse measured to centroid = 0.169 Mi.
Difference in elevation = 95.60(Ft.)
Slope along watercourse = 195.4193 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.120 Hr.
Lag time = 7.18 Min.
25% of lag time = 1.79 Min.
40% of lag time = 2.87 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
24.04	1.35	32.45

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
24.04	2.78	66.83

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.780(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.310	51.00	0.000
0.590	70.00	0.000
9.760	80.00	0.000
5.880	84.00	0.000
0.300	65.00	0.120
7.200	82.00	0.120

Total Area Entered = 24.04(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.013	0.007
70.0	70.0	0.362	0.000	0.362	0.025	0.009
80.0	80.0	0.244	0.000	0.244	0.406	0.099
84.0	84.0	0.198	0.000	0.198	0.245	0.049
65.0	65.0	0.416	0.120	0.371	0.012	0.005
82.0	82.0	0.221	0.120	0.197	0.300	0.059
					Sum (F) =	0.227

Area averaged mean soil loss (F) (In/Hr) = 0.227
Minimum soil loss rate ((In/Hr)) = 0.114
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.870

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	69.678	7.105	1.721
2	0.167	139.356	40.803	9.886
3	0.250	209.033	29.203	7.075
4	0.333	278.711	10.967	2.657
5	0.417	348.389	6.075	1.472
6	0.500	418.067	3.179	0.770
7	0.583	487.744	1.183	0.287
8	0.667	557.422	0.618	0.150
9	0.750	627.100	0.485	0.118
10	0.833	696.778	0.299	0.073
11	0.917	766.455	0.084	0.020
			Sum = 100.000	Sum= 24.228

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.227)	0.145	0.022
2	0.17	0.60	0.200	(0.227)	0.174	0.026
3	0.25	0.60	0.200	(0.227)	0.174	0.026
4	0.33	0.60	0.200	(0.227)	0.174	0.026
5	0.42	0.60	0.200	(0.227)	0.174	0.026
6	0.50	0.70	0.234	(0.227)	0.203	0.030
7	0.58	0.70	0.234	(0.227)	0.203	0.030
8	0.67	0.70	0.234	(0.227)	0.203	0.030
9	0.75	0.70	0.234	(0.227)	0.203	0.030
10	0.83	0.70	0.234	(0.227)	0.203	0.030
11	0.92	0.70	0.234	(0.227)	0.203	0.030
12	1.00	0.80	0.267	0.227	(0.232)	0.039
13	1.08	0.80	0.267	0.227	(0.232)	0.039
14	1.17	0.80	0.267	0.227	(0.232)	0.039
15	1.25	0.80	0.267	0.227	(0.232)	0.039
16	1.33	0.80	0.267	0.227	(0.232)	0.039
17	1.42	0.80	0.267	0.227	(0.232)	0.039
18	1.50	0.80	0.267	0.227	(0.232)	0.039
19	1.58	0.80	0.267	0.227	(0.232)	0.039
20	1.67	0.80	0.267	0.227	(0.232)	0.039
21	1.75	0.80	0.267	0.227	(0.232)	0.039
22	1.83	0.80	0.267	0.227	(0.232)	0.039
23	1.92	0.80	0.267	0.227	(0.232)	0.039
24	2.00	0.90	0.300	0.227	(0.261)	0.073
25	2.08	0.80	0.267	0.227	(0.232)	0.039
26	2.17	0.90	0.300	0.227	(0.261)	0.073
27	2.25	0.90	0.300	0.227	(0.261)	0.073
28	2.33	0.90	0.300	0.227	(0.261)	0.073
29	2.42	0.90	0.300	0.227	(0.261)	0.073
30	2.50	0.90	0.300	0.227	(0.261)	0.073
31	2.58	0.90	0.300	0.227	(0.261)	0.073
32	2.67	0.90	0.300	0.227	(0.261)	0.073
33	2.75	1.00	0.334	0.227	(0.290)	0.106
34	2.83	1.00	0.334	0.227	(0.290)	0.106
35	2.92	1.00	0.334	0.227	(0.290)	0.106
36	3.00	1.00	0.334	0.227	(0.290)	0.106
37	3.08	1.00	0.334	0.227	(0.290)	0.106
38	3.17	1.10	0.367	0.227	(0.319)	0.139
39	3.25	1.10	0.367	0.227	(0.319)	0.139
40	3.33	1.10	0.367	0.227	(0.319)	0.139
41	3.42	1.20	0.400	0.227	(0.348)	0.173
42	3.50	1.30	0.434	0.227	(0.377)	0.206
43	3.58	1.40	0.467	0.227	(0.406)	0.240
44	3.67	1.40	0.467	0.227	(0.406)	0.240
45	3.75	1.50	0.500	0.227	(0.435)	0.273
46	3.83	1.50	0.500	0.227	(0.435)	0.273
47	3.92	1.60	0.534	0.227	(0.464)	0.306
48	4.00	1.60	0.534	0.227	(0.464)	0.306
49	4.08	1.70	0.567	0.227	(0.493)	0.340
50	4.17	1.80	0.600	0.227	(0.522)	0.373
51	4.25	1.90	0.634	0.227	(0.551)	0.406
52	4.33	2.00	0.667	0.227	(0.580)	0.440
53	4.42	2.10	0.701	0.227	(0.609)	0.473
54	4.50	2.10	0.701	0.227	(0.609)	0.473
55	4.58	2.20	0.734	0.227	(0.638)	0.506
56	4.67	2.30	0.767	0.227	(0.667)	0.540
57	4.75	2.40	0.801	0.227	(0.696)	0.573
58	4.83	2.40	0.801	0.227	(0.696)	0.573
59	4.92	2.50	0.834	0.227	(0.726)	0.606
60	5.00	2.60	0.867	0.227	(0.755)	0.640
61	5.08	3.10	1.034	0.227	(0.900)	0.807
62	5.17	3.60	1.201	0.227	(1.045)	0.973
63	5.25	3.90	1.301	0.227	(1.132)	1.073
64	5.33	4.20	1.401	0.227	(1.219)	1.174
65	5.42	4.70	1.568	0.227	(1.364)	1.340
66	5.50	5.60	1.868	0.227	(1.625)	1.641
67	5.58	1.90	0.634	0.227	(0.551)	0.406
68	5.67	0.90	0.300	0.227	(0.261)	0.073
69	5.75	0.60	0.200	(0.227)	0.174	0.026
70	5.83	0.50	0.167	(0.227)	0.145	0.022
71	5.92	0.30	0.100	(0.227)	0.087	0.013
72	6.00	0.20	0.067	(0.227)	0.058	0.009

(Loss Rate Not Used)

Sum = 100.0 Sum = 17.9

Flood volume = Effective rainfall 1.49(In)
times area 24.0(Ac.)/[(In)/(Ft.)] = 3.0(Ac.Ft)
Total soil loss = 1.29(In)
Total soil loss = 2.586(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 129939.3 Cubic Feet
Total soil loss = 112637.9 Cubic Feet

Peak flow rate of this hydrograph = 32.317(CFS)

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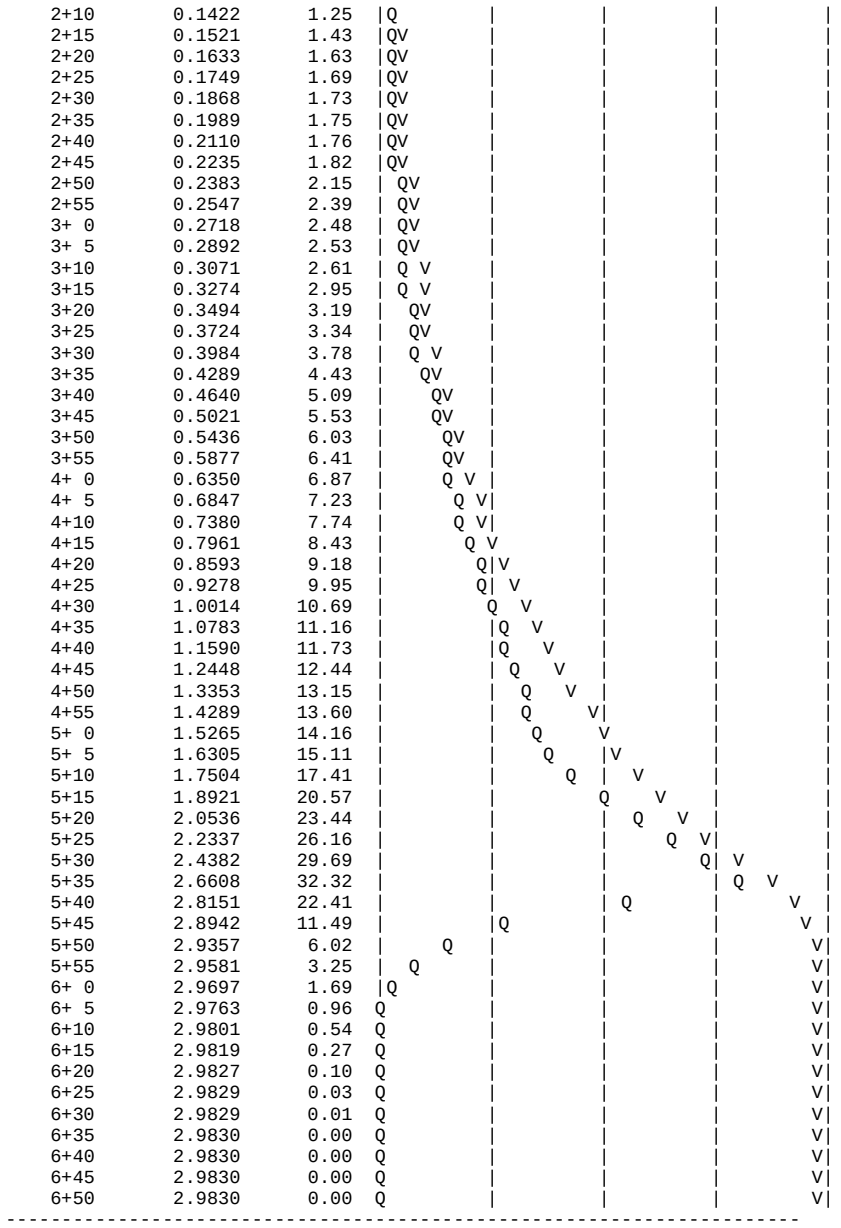
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0003	0.04	Q	|	|	|	|
0+10	0.0020	0.26	Q	|	|	|	|
0+15	0.0052	0.46	Q	|	|	|	|
0+20	0.0089	0.54	Q	|	|	|	|
0+25	0.0130	0.59	Q	|	|	|	|
0+30	0.0172	0.62	Q	|	|	|	|
0+35	0.0218	0.67	Q	|	|	|	|
0+40	0.0267	0.71	Q	|	|	|	|
0+45	0.0317	0.72	Q	|	|	|	|
0+50	0.0367	0.73	Q	|	|	|	|
0+55	0.0417	0.73	Q	|	|	|	|
1+ 0	0.0469	0.75	Q	|	|	|	|
1+ 5	0.0527	0.84	Q	|	|	|	|
1+10	0.0589	0.90	Q	|	|	|	|
1+15	0.0653	0.93	Q	|	|	|	|
1+20	0.0718	0.94	Q	|	|	|	|
1+25	0.0783	0.95	QV	|	|	|	|
1+30	0.0849	0.95	QV	|	|	|	|
1+35	0.0915	0.95	QV	|	|	|	|
1+40	0.0980	0.95	QV	|	|	|	|
1+45	0.1046	0.96	QV	|	|	|	|
1+50	0.1112	0.96	QV	|	|	|	|
1+55	0.1178	0.96	QV	|	|	|	|
2+ 0	0.1248	1.01	|Q	|	|	|	|
2+ 5	0.1336	1.29	|Q	|	|	|	|



U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/19/23 File: MESAP224100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 2
7/19/23

Drainage Area = 24.04(Ac.) = 0.038 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 24.04(Ac.) = 0.038 Sq. Mi.
Length along longest watercourse = 2583.00(Ft.)
Length along longest watercourse measured to centroid = 893.00(Ft.)
Length along longest watercourse = 0.489 Mi.
Length along longest watercourse measured to centroid = 0.169 Mi.
Difference in elevation = 95.60(Ft.)
Slope along watercourse = 195.4193 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.120 Hr.
Lag time = 7.18 Min.
25% of lag time = 1.79 Min.
40% of lag time = 2.87 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
24.04	2.45	58.90

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
24.04	6.08	146.16

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 6.080(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.310	51.00	0.000
0.590	70.00	0.000
9.760	80.00	0.000
5.880	84.00	0.000
0.300	65.00	0.120
7.200	82.00	0.120

Total Area Entered = 24.04(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
51.0	51.0	0.562	0.000	0.562	0.013	0.007
70.0	70.0	0.362	0.000	0.362	0.025	0.009
80.0	80.0	0.244	0.000	0.244	0.406	0.099
84.0	84.0	0.198	0.000	0.198	0.245	0.049
65.0	65.0	0.416	0.120	0.371	0.012	0.005
82.0	82.0	0.221	0.120	0.197	0.300	0.059
					Sum (F) =	0.227

Area averaged mean soil loss (F) (In/Hr) = 0.227
Minimum soil loss rate ((In/Hr)) = 0.114
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.870

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	69.678	7.105	1.721
2	0.167	139.356	40.803	9.886
3	0.250	209.033	29.203	7.075
4	0.333	278.711	10.967	2.657
5	0.417	348.389	6.075	1.472
6	0.500	418.067	3.179	0.770
7	0.583	487.744	1.183	0.287
8	0.667	557.422	0.618	0.150
9	0.750	627.100	0.485	0.118
10	0.833	696.778	0.299	0.073
11	0.917	766.455	0.084	0.020
			Sum = 100.000	Sum= 24.228

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.403)	0.042	0.006
2	0.17	0.07	0.049	(0.402)	0.042	0.006
3	0.25	0.07	0.049	(0.400)	0.042	0.006
4	0.33	0.10	0.073	(0.399)	0.063	0.009
5	0.42	0.10	0.073	(0.397)	0.063	0.009
6	0.50	0.10	0.073	(0.395)	0.063	0.009
7	0.58	0.10	0.073	(0.394)	0.063	0.009
8	0.67	0.10	0.073	(0.392)	0.063	0.009
9	0.75	0.10	0.073	(0.391)	0.063	0.009
10	0.83	0.13	0.097	(0.389)	0.085	0.013
11	0.92	0.13	0.097	(0.388)	0.085	0.013
12	1.00	0.13	0.097	(0.386)	0.085	0.013
13	1.08	0.10	0.073	(0.385)	0.063	0.009
14	1.17	0.10	0.073	(0.383)	0.063	0.009
15	1.25	0.10	0.073	(0.382)	0.063	0.009
16	1.33	0.10	0.073	(0.380)	0.063	0.009
17	1.42	0.10	0.073	(0.379)	0.063	0.009
18	1.50	0.10	0.073	(0.377)	0.063	0.009
19	1.58	0.10	0.073	(0.376)	0.063	0.009
20	1.67	0.10	0.073	(0.374)	0.063	0.009
21	1.75	0.10	0.073	(0.373)	0.063	0.009
22	1.83	0.13	0.097	(0.371)	0.085	0.013
23	1.92	0.13	0.097	(0.370)	0.085	0.013
24	2.00	0.13	0.097	(0.368)	0.085	0.013
25	2.08	0.13	0.097	(0.367)	0.085	0.013
26	2.17	0.13	0.097	(0.365)	0.085	0.013
27	2.25	0.13	0.097	(0.364)	0.085	0.013
28	2.33	0.13	0.097	(0.362)	0.085	0.013
29	2.42	0.13	0.097	(0.361)	0.085	0.013
30	2.50	0.13	0.097	(0.359)	0.085	0.013
31	2.58	0.17	0.122	(0.358)	0.106	0.016
32	2.67	0.17	0.122	(0.356)	0.106	0.016
33	2.75	0.17	0.122	(0.355)	0.106	0.016
34	2.83	0.17	0.122	(0.353)	0.106	0.016
35	2.92	0.17	0.122	(0.352)	0.106	0.016
36	3.00	0.17	0.122	(0.350)	0.106	0.016
37	3.08	0.17	0.122	(0.349)	0.106	0.016
38	3.17	0.17	0.122	(0.348)	0.106	0.016
39	3.25	0.17	0.122	(0.346)	0.106	0.016
40	3.33	0.17	0.122	(0.345)	0.106	0.016
41	3.42	0.17	0.122	(0.343)	0.106	0.016
42	3.50	0.17	0.122	(0.342)	0.106	0.016
43	3.58	0.17	0.122	(0.340)	0.106	0.016
44	3.67	0.17	0.122	(0.339)	0.106	0.016
45	3.75	0.17	0.122	(0.337)	0.106	0.016
46	3.83	0.20	0.146	(0.336)	0.127	0.019
47	3.92	0.20	0.146	(0.335)	0.127	0.019
48	4.00	0.20	0.146	(0.333)	0.127	0.019
49	4.08	0.20	0.146	(0.332)	0.127	0.019
50	4.17	0.20	0.146	(0.330)	0.127	0.019
51	4.25	0.20	0.146	(0.329)	0.127	0.019
52	4.33	0.23	0.170	(0.328)	0.148	0.022
53	4.42	0.23	0.170	(0.326)	0.148	0.022
54	4.50	0.23	0.170	(0.325)	0.148	0.022
55	4.58	0.23	0.170	(0.323)	0.148	0.022
56	4.67	0.23	0.170	(0.322)	0.148	0.022
57	4.75	0.23	0.170	(0.321)	0.148	0.022
58	4.83	0.27	0.195	(0.319)	0.169	0.025
59	4.92	0.27	0.195	(0.318)	0.169	0.025
60	5.00	0.27	0.195	(0.316)	0.169	0.025
61	5.08	0.20	0.146	(0.315)	0.127	0.019
62	5.17	0.20	0.146	(0.314)	0.127	0.019
63	5.25	0.20	0.146	(0.312)	0.127	0.019
64	5.33	0.23	0.170	(0.311)	0.148	0.022
65	5.42	0.23	0.170	(0.310)	0.148	0.022
66	5.50	0.23	0.170	(0.308)	0.148	0.022
67	5.58	0.27	0.195	(0.307)	0.169	0.025
68	5.67	0.27	0.195	(0.306)	0.169	0.025
69	5.75	0.27	0.195	(0.304)	0.169	0.025
70	5.83	0.27	0.195	(0.303)	0.169	0.025
71	5.92	0.27	0.195	(0.302)	0.169	0.025
72	6.00	0.27	0.195	(0.300)	0.169	0.025
73	6.08	0.30	0.219	(0.299)	0.190	0.028
74	6.17	0.30	0.219	(0.298)	0.190	0.028
75	6.25	0.30	0.219	(0.296)	0.190	0.028
76	6.33	0.30	0.219	(0.295)	0.190	0.028
77	6.42	0.30	0.219	(0.294)	0.190	0.028
78	6.50	0.30	0.219	(0.292)	0.190	0.028
79	6.58	0.33	0.243	(0.291)	0.212	0.032
80	6.67	0.33	0.243	(0.290)	0.212	0.032
81	6.75	0.33	0.243	(0.288)	0.212	0.032
82	6.83	0.33	0.243	(0.287)	0.212	0.032
83	6.92	0.33	0.243	(0.286)	0.212	0.032
84	7.00	0.33	0.243	(0.284)	0.212	0.032
85	7.08	0.33	0.243	(0.283)	0.212	0.032
86	7.17	0.33	0.243	(0.282)	0.212	0.032
87	7.25	0.33	0.243	(0.281)	0.212	0.032
88	7.33	0.37	0.268	(0.279)	0.233	0.035
89	7.42	0.37	0.268	(0.278)	0.233	0.035
90	7.50	0.37	0.268	(0.277)	0.233	0.035
91	7.58	0.40	0.292	(0.275)	0.254	0.038
92	7.67	0.40	0.292	(0.274)	0.254	0.038
93	7.75	0.40	0.292	(0.273)	0.254	0.038
94	7.83	0.43	0.316	0.272	(0.275)	0.044
95	7.92	0.43	0.316	0.270	(0.275)	0.046
96	8.00	0.43	0.316	0.269	(0.275)	0.047
97	8.08	0.50	0.365	0.268	(0.317)	0.097
98	8.17	0.50	0.365	0.267	(0.317)	0.098
99	8.25	0.50	0.365	0.265	(0.317)	0.099
100	8.33	0.50	0.365	0.264	(0.317)	0.101
101	8.42	0.50	0.365	0.263	(0.317)	0.102
102	8.50	0.50	0.365	0.262	(0.317)	0.103
103	8.58	0.53	0.389	0.260	(0.339)	0.129
104	8.67	0.53	0.389	0.259	(0.339)	0.130
105	8.75	0.53	0.389	0.258	(0.339)	0.131
106	8.83	0.57	0.413	0.257	(0.360)	0.157
107	8.92	0.57	0.413	0.256	(0.360)	0.158
108	9.00	0.57	0.413	0.254	(0.360)	0.159
109	9.08	0.63	0.462	0.253	(0.402)	0.209
110	9.17	0.63	0.462	0.252	(0.402)	0.210
111	9.25	0.63	0.462	0.251	(0.402)	0.211
112	9.33	0.67	0.486	0.250	(0.423)	0.237
113	9.42	0.67	0.486	0.248	(0.423)	0.238
114	9.50	0.67	0.486	0.247	(0.423)	0.239
115	9.58	0.70	0.511	0.246	(0.444)	0.265
116	9.67	0.70	0.511	0.245	(0.444)	0.266
117	9.75	0.70	0.511	0.244	(0.444)	0.267
118	9.83	0.73	0.535	0.243	(0.465)	0.293

119	9.92	0.73	0.535	0.241	(0.465)	0.294
120	10.00	0.73	0.535	0.240	(0.465)	0.295
121	10.08	0.50	0.365	0.239	(0.317)	0.126
122	10.17	0.50	0.365	0.238	(0.317)	0.127
123	10.25	0.50	0.365	0.237	(0.317)	0.128
124	10.33	0.50	0.365	0.236	(0.317)	0.129
125	10.42	0.50	0.365	0.234	(0.317)	0.130
126	10.50	0.50	0.365	0.233	(0.317)	0.132
127	10.58	0.67	0.486	0.232	(0.423)	0.254
128	10.67	0.67	0.486	0.231	(0.423)	0.255
129	10.75	0.67	0.486	0.230	(0.423)	0.257
130	10.83	0.67	0.486	0.229	(0.423)	0.258
131	10.92	0.67	0.486	0.228	(0.423)	0.259
132	11.00	0.67	0.486	0.226	(0.423)	0.260
133	11.08	0.63	0.462	0.225	(0.402)	0.237
134	11.17	0.63	0.462	0.224	(0.402)	0.238
135	11.25	0.63	0.462	0.223	(0.402)	0.239
136	11.33	0.63	0.462	0.222	(0.402)	0.240
137	11.42	0.63	0.462	0.221	(0.402)	0.241
138	11.50	0.63	0.462	0.220	(0.402)	0.242
139	11.58	0.57	0.413	0.219	(0.360)	0.195
140	11.67	0.57	0.413	0.218	(0.360)	0.196
141	11.75	0.57	0.413	0.217	(0.360)	0.197
142	11.83	0.60	0.438	0.216	(0.381)	0.222
143	11.92	0.60	0.438	0.214	(0.381)	0.223
144	12.00	0.60	0.438	0.213	(0.381)	0.224
145	12.08	0.83	0.608	0.212	(0.529)	0.396
146	12.17	0.83	0.608	0.211	(0.529)	0.397
147	12.25	0.83	0.608	0.210	(0.529)	0.398
148	12.33	0.87	0.632	0.209	(0.550)	0.423
149	12.42	0.87	0.632	0.208	(0.550)	0.424
150	12.50	0.87	0.632	0.207	(0.550)	0.425
151	12.58	0.93	0.681	0.206	(0.592)	0.475
152	12.67	0.93	0.681	0.205	(0.592)	0.476
153	12.75	0.93	0.681	0.204	(0.592)	0.477
154	12.83	0.97	0.705	0.203	(0.614)	0.502
155	12.92	0.97	0.705	0.202	(0.614)	0.503
156	13.00	0.97	0.705	0.201	(0.614)	0.504
157	13.08	1.13	0.827	0.200	(0.719)	0.627
158	13.17	1.13	0.827	0.199	(0.719)	0.628
159	13.25	1.13	0.827	0.198	(0.719)	0.629
160	13.33	1.13	0.827	0.197	(0.719)	0.630
161	13.42	1.13	0.827	0.196	(0.719)	0.631
162	13.50	1.13	0.827	0.195	(0.719)	0.632
163	13.58	0.77	0.559	0.194	(0.487)	0.366
164	13.67	0.77	0.559	0.193	(0.487)	0.367
165	13.75	0.77	0.559	0.192	(0.487)	0.367
166	13.83	0.77	0.559	0.191	(0.487)	0.368
167	13.92	0.77	0.559	0.190	(0.487)	0.369
168	14.00	0.77	0.559	0.189	(0.487)	0.370
169	14.08	0.90	0.657	0.188	(0.571)	0.469
170	14.17	0.90	0.657	0.187	(0.571)	0.470
171	14.25	0.90	0.657	0.186	(0.571)	0.471
172	14.33	0.87	0.632	0.185	(0.550)	0.447
173	14.42	0.87	0.632	0.184	(0.550)	0.448
174	14.50	0.87	0.632	0.183	(0.550)	0.449
175	14.58	0.87	0.632	0.182	(0.550)	0.450
176	14.67	0.87	0.632	0.181	(0.550)	0.451
177	14.75	0.87	0.632	0.180	(0.550)	0.452
178	14.83	0.83	0.608	0.179	(0.529)	0.428
179	14.92	0.83	0.608	0.179	(0.529)	0.429
180	15.00	0.83	0.608	0.178	(0.529)	0.430
181	15.08	0.80	0.584	0.177	(0.508)	0.407
182	15.17	0.80	0.584	0.176	(0.508)	0.408
183	15.25	0.80	0.584	0.175	(0.508)	0.409
184	15.33	0.77	0.559	0.174	(0.487)	0.385
185	15.42	0.77	0.559	0.173	(0.487)	0.386
186	15.50	0.77	0.559	0.172	(0.487)	0.387
187	15.58	0.63	0.462	0.171	(0.402)	0.291
188	15.67	0.63	0.462	0.170	(0.402)	0.292
189	15.75	0.63	0.462	0.170	(0.402)	0.292
190	15.83	0.63	0.462	0.169	(0.402)	0.293
191	15.92	0.63	0.462	0.168	(0.402)	0.294
192	16.00	0.63	0.462	0.167	(0.402)	0.295
193	16.08	0.13	0.097	(0.166)	0.085	0.013
194	16.17	0.13	0.097	(0.165)	0.085	0.013
195	16.25	0.13	0.097	(0.164)	0.085	0.013
196	16.33	0.13	0.097	(0.164)	0.085	0.013
197	16.42	0.13	0.097	(0.163)	0.085	0.013
198	16.50	0.13	0.097	(0.162)	0.085	0.013
199	16.58	0.10	0.073	(0.161)	0.063	0.009
200	16.67	0.10	0.073	(0.160)	0.063	0.009
201	16.75	0.10	0.073	(0.160)	0.063	0.009
202	16.83	0.10	0.073	(0.159)	0.063	0.009
203	16.92	0.10	0.073	(0.158)	0.063	0.009
204	17.00	0.10	0.073	(0.157)	0.063	0.009
205	17.08	0.17	0.122	(0.156)	0.106	0.016
206	17.17	0.17	0.122	(0.156)	0.106	0.016
207	17.25	0.17	0.122	(0.155)	0.106	0.016
208	17.33	0.17	0.122	(0.154)	0.106	0.016
209	17.42	0.17	0.122	(0.153)	0.106	0.016
210	17.50	0.17	0.122	(0.152)	0.106	0.016
211	17.58	0.17	0.122	(0.152)	0.106	0.016
212	17.67	0.17	0.122	(0.151)	0.106	0.016
213	17.75	0.17	0.122	(0.150)	0.106	0.016
214	17.83	0.13	0.097	(0.149)	0.085	0.013
215	17.92	0.13	0.097	(0.149)	0.085	0.013
216	18.00	0.13	0.097	(0.148)	0.085	0.013
217	18.08	0.13	0.097	(0.147)	0.085	0.013
218	18.17	0.13	0.097	(0.146)	0.085	0.013
219	18.25	0.13	0.097	(0.146)	0.085	0.013
220	18.33	0.13	0.097	(0.145)	0.085	0.013
221	18.42	0.13	0.097	(0.144)	0.085	0.013
222	18.50	0.13	0.097	(0.144)	0.085	0.013
223	18.58	0.10	0.073	(0.143)	0.063	0.009
224	18.67	0.10	0.073	(0.142)	0.063	0.009
225	18.75	0.10	0.073	(0.142)	0.063	0.009
226	18.83	0.07	0.049	(0.141)	0.042	0.006
227	18.92	0.07	0.049	(0.140)	0.042	0.006
228	19.00	0.07	0.049	(0.140)	0.042	0.006
229	19.08	0.10	0.073	(0.139)	0.063	0.009
230	19.17	0.10	0.073	(0.138)	0.063	0.009
231	19.25	0.10	0.073	(0.138)	0.063	0.009
232	19.33	0.13	0.097	(0.137)	0.085	0.013
233	19.42	0.13	0.097	(0.136)	0.085	0.013
234	19.50	0.13	0.097	(0.136)	0.085	0.013
235	19.58	0.10	0.073	(0.135)	0.063	0.009
236	19.67	0.10	0.073	(0.134)	0.063	0.009
237	19.75	0.10	0.073	(0.134)	0.063	0.009
238	19.83	0.07	0.049	(0.133)	0.042	0.006

239	19.92	0.07	0.049	(0.133)	0.042	0.006
240	20.00	0.07	0.049	(0.132)	0.042	0.006
241	20.08	0.10	0.073	(0.131)	0.063	0.009
242	20.17	0.10	0.073	(0.131)	0.063	0.009
243	20.25	0.10	0.073	(0.130)	0.063	0.009
244	20.33	0.10	0.073	(0.130)	0.063	0.009
245	20.42	0.10	0.073	(0.129)	0.063	0.009
246	20.50	0.10	0.073	(0.129)	0.063	0.009
247	20.58	0.10	0.073	(0.128)	0.063	0.009
248	20.67	0.10	0.073	(0.128)	0.063	0.009
249	20.75	0.10	0.073	(0.127)	0.063	0.009
250	20.83	0.07	0.049	(0.127)	0.042	0.006
251	20.92	0.07	0.049	(0.126)	0.042	0.006
252	21.00	0.07	0.049	(0.126)	0.042	0.006
253	21.08	0.10	0.073	(0.125)	0.063	0.009
254	21.17	0.10	0.073	(0.125)	0.063	0.009
255	21.25	0.10	0.073	(0.124)	0.063	0.009
256	21.33	0.07	0.049	(0.124)	0.042	0.006
257	21.42	0.07	0.049	(0.123)	0.042	0.006
258	21.50	0.07	0.049	(0.123)	0.042	0.006
259	21.58	0.10	0.073	(0.122)	0.063	0.009
260	21.67	0.10	0.073	(0.122)	0.063	0.009
261	21.75	0.10	0.073	(0.121)	0.063	0.009
262	21.83	0.07	0.049	(0.121)	0.042	0.006
263	21.92	0.07	0.049	(0.120)	0.042	0.006
264	22.00	0.07	0.049	(0.120)	0.042	0.006
265	22.08	0.10	0.073	(0.120)	0.063	0.009
266	22.17	0.10	0.073	(0.119)	0.063	0.009
267	22.25	0.10	0.073	(0.119)	0.063	0.009
268	22.33	0.07	0.049	(0.119)	0.042	0.006
269	22.42	0.07	0.049	(0.118)	0.042	0.006
270	22.50	0.07	0.049	(0.118)	0.042	0.006
271	22.58	0.07	0.049	(0.118)	0.042	0.006
272	22.67	0.07	0.049	(0.117)	0.042	0.006
273	22.75	0.07	0.049	(0.117)	0.042	0.006
274	22.83	0.07	0.049	(0.117)	0.042	0.006
275	22.92	0.07	0.049	(0.116)	0.042	0.006
276	23.00	0.07	0.049	(0.116)	0.042	0.006
277	23.08	0.07	0.049	(0.116)	0.042	0.006
278	23.17	0.07	0.049	(0.115)	0.042	0.006
279	23.25	0.07	0.049	(0.115)	0.042	0.006
280	23.33	0.07	0.049	(0.115)	0.042	0.006
281	23.42	0.07	0.049	(0.115)	0.042	0.006
282	23.50	0.07	0.049	(0.115)	0.042	0.006
283	23.58	0.07	0.049	(0.114)	0.042	0.006
284	23.67	0.07	0.049	(0.114)	0.042	0.006
285	23.75	0.07	0.049	(0.114)	0.042	0.006
286	23.83	0.07	0.049	(0.114)	0.042	0.006
287	23.92	0.07	0.049	(0.114)	0.042	0.006
288	24.00	0.07	0.049	(0.114)	0.042	0.006

(Loss Rate Not Used)

Sum = 100.0 Sum = 33.3

Flood volume = Effective rainfall 2.77(In)
times area 24.0(Ac.)/[(In)/(Ft.)] = 5.6(Ac.Ft)
Total soil loss = 3.31(In)
Total soil loss = 6.624(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 242025.4 Cubic Feet
Total soil loss = 288522.1 Cubic Feet

Peak flow rate of this hydrograph = 15.193(CFS)

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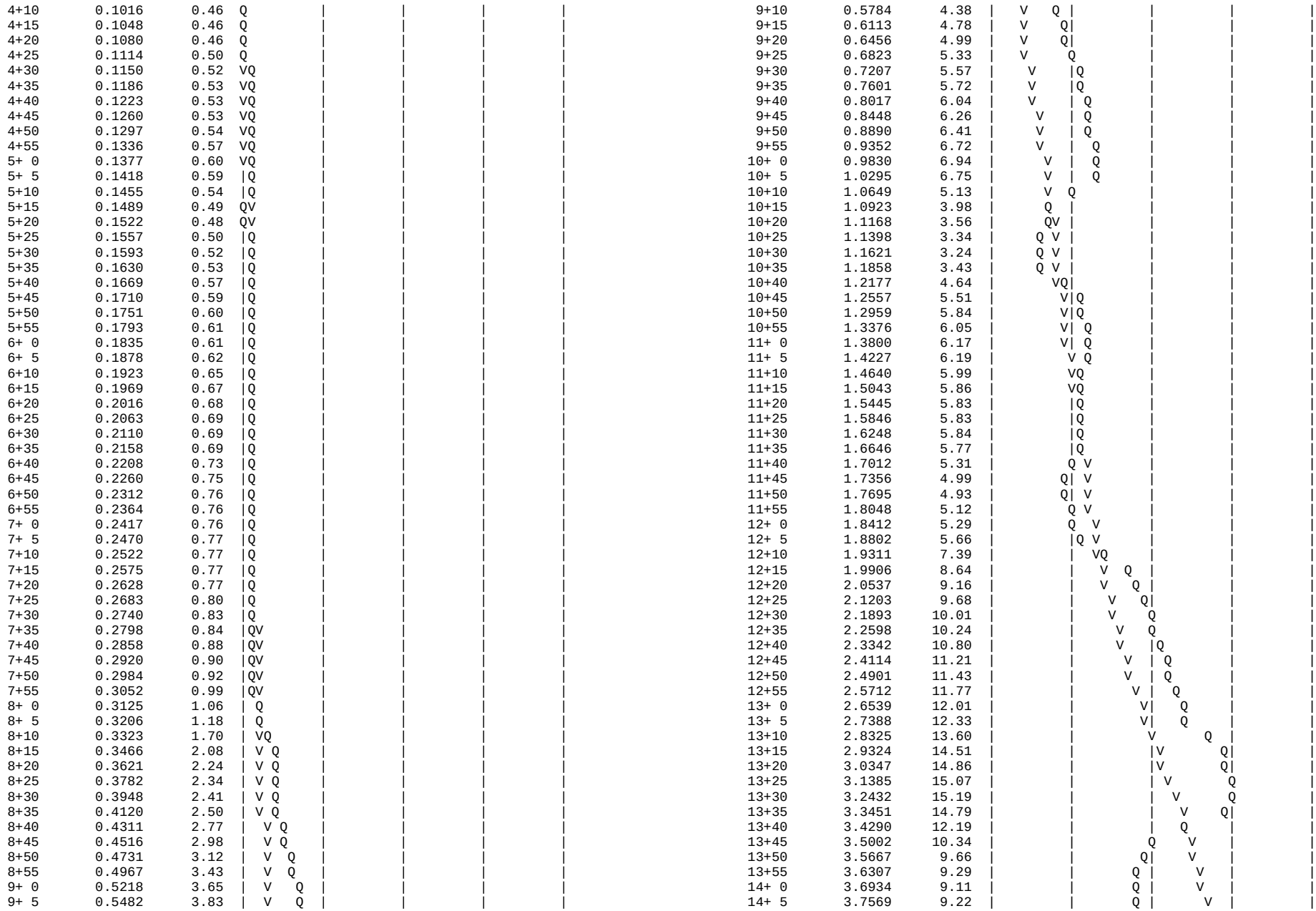
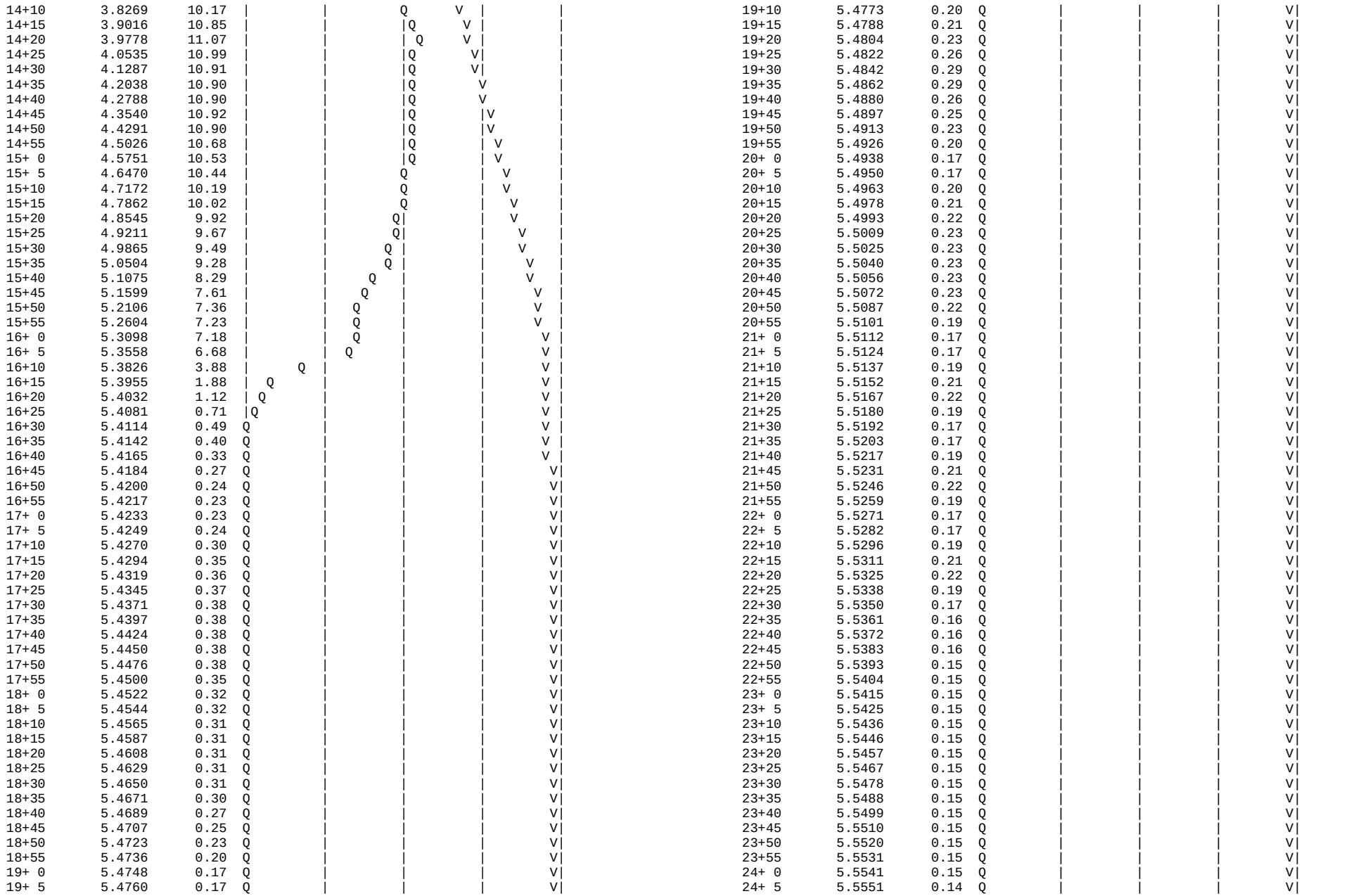
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0001	0.01	Q				
0+10	0.0006	0.07	Q				
0+15	0.0014	0.12	Q				
0+20	0.0024	0.14	Q				
0+25	0.0036	0.18	Q				
0+30	0.0050	0.21	Q				
0+35	0.0065	0.22	Q				
0+40	0.0081	0.22	Q				
0+45	0.0097	0.23	Q				
0+50	0.0113	0.23	Q				
0+55	0.0131	0.27	Q				
1+ 0	0.0151	0.29	Q				
1+ 5	0.0171	0.29	Q				
1+10	0.0189	0.27	Q				
1+15	0.0206	0.25	Q				
1+20	0.0223	0.24	Q				
1+25	0.0239	0.23	Q				
1+30	0.0255	0.23	Q				
1+35	0.0271	0.23	Q				
1+40	0.0286	0.23	Q				
1+45	0.0302	0.23	Q				
1+50	0.0318	0.24	Q				
1+55	0.0337	0.27	Q				
2+ 0	0.0357	0.29	Q				
2+ 5	0.0377	0.30	Q				
2+10	0.0398	0.30	Q				
2+15	0.0419	0.30	Q				
2+20	0.0440	0.31	Q				
2+25	0.0461	0.31	Q				
2+30	0.0482	0.31	Q				
2+35	0.0504	0.31	Q				
2+40	0.0527	0.34	Q				
2+45	0.0552	0.37	Q				
2+50	0.0578	0.37	Q				
2+55	0.0604	0.38	Q				
3+ 0	0.0631	0.38	Q				
3+ 5	0.0657	0.38	Q				
3+10	0.0683	0.38	Q				
3+15	0.0710	0.38	Q				
3+20	0.0736	0.38	Q				
3+25	0.0762	0.38	Q				
3+30	0.0789	0.38	Q				
3+35	0.0815	0.38	Q				
3+40	0.0842	0.38	Q				
3+45	0.0868	0.38	Q				
3+50	0.0895	0.39	Q				
3+55	0.0924	0.42	Q				
4+ 0	0.0954	0.44	Q				
4+ 5	0.0985	0.45	Q				





```
   24+10       5.5557      0.08  Q         |         |         |        V|
   24+15       5.5559      0.04  Q         |         |         |        V|
   24+20       5.5560      0.02  Q         |         |         |        V|
   24+25       5.5561      0.01  Q         |         |         |        V|
   24+30       5.5561      0.00  Q         |         |         |        V|
   24+35       5.5561      0.00  Q         |         |         |        V|
   24+40       5.5561      0.00  Q         |         |         |        V|
   24+45       5.5561      0.00  Q         |         |         |        V|
   24+50       5.5561      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
```

AREAS TRIBUTARY TO CP3

AREAS 3A, 3B, & 3C
(3HR, 6HR, & 24HR STORMS)

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  11/22/23 File: MESAP3A3100.out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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3A
7/19/23
--------------------------------------------------------------------------
Drainage Area =      82.99(Ac.)  =      0.130 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      82.99(Ac.)  =
0.130 Sq. Mi.
Length along longest watercourse =    3675.00(Ft.)
Length along longest watercourse measured to centroid =     858.00(Ft.)
Length along longest watercourse =      0.696 Mi.
Length along longest watercourse measured to centroid =      0.163 Mi.
Difference in elevation =      71.00(Ft.)
Slope along watercourse =    102.0082 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.065 Hr.
Lag time =     3.92 Min.
25% of lag time =     0.98 Min.
40% of lag time =     1.57 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      82.99              0.94                   78.01

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      82.99              1.97                  163.49

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.96 %
Adjusted average point rain =    1.969(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    30.060           77.00          0.750
    11.400           85.00          0.750
    18.070           90.00          0.750
     6.000           75.00          0.380
     3.800           87.00          0.380
     4.090           68.00          0.200
     6.610           79.00          0.200
     0.130           84.00          0.200
     2.830           65.00          0.120
 Total Area Entered =     82.99(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
77.0  77.0      0.279     0.750        0.091       0.362      0.033
85.0  85.0      0.187     0.750        0.061       0.137      0.008
90.0  90.0      0.130     0.750        0.042       0.218      0.009
75.0  75.0      0.303     0.380        0.199       0.072      0.014
87.0  87.0      0.164     0.380        0.108       0.046      0.005
68.0  68.0      0.384     0.200        0.315       0.049      0.016
79.0  79.0      0.256     0.200        0.210       0.080      0.017
84.0  84.0      0.198     0.200        0.163       0.002      0.000
65.0  65.0      0.416     0.120        0.371       0.034      0.013
                                                 Sum (F) =   0.115
Area averaged mean soil loss (F) (In/Hr) =  0.115
Minimum soil loss rate ((In/Hr)) =  0.057
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.410
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
-----------------------------------------------------------------
                Unit Hydrograph Data
-----------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-----------------------------------------------------------------
    1   0.083        127.596         23.890             19.981
    2   0.167        255.191         55.762             46.639
    3   0.250        382.787         14.567             12.183
    4   0.333        510.382          4.191              3.506
    5   0.417        637.978          1.073              0.897
    6   0.500        765.574          0.517              0.432
                                Sum = 100.000   Sum=      83.638
-----------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     1.30      0.307          0.115    (  0.126)        0.192
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 2   0.17     1.30      0.307          0.115    (  0.126)        0.192
 3   0.25     1.10      0.260       (  0.115)       0.107        0.153
 4   0.33     1.50      0.354          0.115    (  0.145)        0.240
 5   0.42     1.50      0.354          0.115    (  0.145)        0.240
 6   0.50     1.80      0.425          0.115    (  0.174)        0.310
 7   0.58     1.50      0.354          0.115    (  0.145)        0.240
 8   0.67     1.80      0.425          0.115    (  0.174)        0.310
 9   0.75     1.80      0.425          0.115    (  0.174)        0.310
10   0.83     1.50      0.354          0.115    (  0.145)        0.240
11   0.92     1.60      0.378          0.115    (  0.155)        0.263
12   1.00     1.80      0.425          0.115    (  0.174)        0.310
13   1.08     2.20      0.520          0.115    (  0.213)        0.405
14   1.17     2.20      0.520          0.115    (  0.213)        0.405
15   1.25     2.20      0.520          0.115    (  0.213)        0.405
16   1.33     2.00      0.473          0.115    (  0.194)        0.358
17   1.42     2.60      0.614          0.115    (  0.252)        0.499
18   1.50     2.70      0.638          0.115    (  0.262)        0.523
19   1.58     2.40      0.567          0.115    (  0.233)        0.452
20   1.67     2.70      0.638          0.115    (  0.262)        0.523
21   1.75     3.30      0.780          0.115    (  0.320)        0.665
22   1.83     3.10      0.733          0.115    (  0.300)        0.618
23   1.92     2.90      0.685          0.115    (  0.281)        0.570
24   2.00     3.00      0.709          0.115    (  0.291)        0.594
25   2.08     3.10      0.733          0.115    (  0.300)        0.618
26   2.17     4.20      0.993          0.115    (  0.407)        0.878
27   2.25     5.00      1.182          0.115    (  0.484)        1.067
28   2.33     3.50      0.827          0.115    (  0.339)        0.712
29   2.42     6.80      1.607          0.115    (  0.659)        1.492
30   2.50     7.30      1.725          0.115    (  0.707)        1.610
31   2.58     8.20      1.938          0.115    (  0.794)        1.823
32   2.67     5.90      1.394          0.115    (  0.572)        1.279
33   2.75     2.00      0.473          0.115    (  0.194)        0.358
34   2.83     1.80      0.425          0.115    (  0.174)        0.310
35   2.92     1.80      0.425          0.115    (  0.174)        0.310
36   3.00     0.60      0.142       (  0.115)       0.058        0.084
            (Loss Rate Not Used)
   Sum =     100.0                                 Sum =    19.6
      Flood volume = Effective rainfall      1.63(In)
       times area      83.0(Ac.)/[(In)/(Ft.)] =      11.3(Ac.Ft)
      Total soil loss =      0.34(In)
      Total soil loss =     2.347(Ac.Ft)
      Total rainfall =      1.97(In)
      Flood volume =      491031.4 Cubic Feet
      Total soil loss =      102222.9 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =    136.597(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0265      3.84  Q         |         |         |         |
  0+10       0.1147     12.82  V Q       |         |         |         |
  0+15       0.2138     14.38  V Q       |         |         |         |
  0+20       0.3169     14.96  |VQ       |         |         |         |
  0+25       0.4455     18.68  |V Q      |         |         |         |
  0+30       0.5908     21.10  | V Q     |         |         |         |
  0+35       0.7510     23.26  | V Q     |         |         |         |
  0+40       0.9045     22.29  |  VQ     |         |         |         |
  0+45       1.0768     25.02  |  V Q    |         |         |         |
  0+50       1.2441     24.28  |   Q     |         |         |         |
  0+55       1.3933     21.66  |   Q     |         |         |         |
  1+ 0       1.5508     22.88  |   QV    |         |         |         |
  1+ 5       1.7371     27.04  |    QV   |         |         |         |
  1+10       1.9578     32.05  |     Q   |         |         |         |
  1+15       2.1876     33.36  |     QV  |         |         |         |
  1+20       2.4134     32.80  |     Q V |         |         |         |
  1+25       2.6444     33.53  |     Q  V|         |         |         |
  1+30       2.9204     40.09  |       Q V         |         |         |
  1+35       3.2051     41.33  |       Q |V        |         |         |
  1+40       3.4819     40.19  |       Q | V       |         |         |
  1+45       3.7963     45.65  |        Q|  V      |         |         |
  1+50       4.1546     52.02  |         Q   V     |         |         |
  1+55       4.5044     50.80  |         Q    V    |         |         |
  2+ 0       4.8420     49.02  |         Q|      V  |         |         |
  2+ 5       5.1864     50.01  |          Q       V|         |         |
  2+10       5.5752     56.45  |          |Q       V|         |         |
  2+15       6.0757     72.67  |          |   Q     |V        |         |
  2+20       6.6105     77.65  |          |    Q    |  V      |         |
  2+25       7.1611     79.95  |          |    Q    |    V    |         |
  2+30       7.9551    115.29  |          |         |  Q    V |         |
  2+35       8.8752    133.60  |          |         |    Q    |V        |
  2+40       9.8160    136.60  |          |         |     Q   |   V     |
  2+45      10.4796     96.36  |          |        Q|         |      V  |
  2+50      10.8032     46.98  |          Q|        |         |       V |
  2+55      11.0227     31.87  |     Q     |        |         |        V|
  3+ 0      11.1820     23.13  |   Q       |        |         |        V|
  3+ 5      11.2485      9.65  |Q          |        |         |        V|
  3+10      11.2660      2.54  Q           |        |         |        V|
  3+15      11.2708      0.71  Q           |        |         |        V|
  3+20      11.2723      0.21  Q           |        |         |        V|
  3+25      11.2725      0.04  Q           |        |         |         V
-------------------------------------------------------------------------
```

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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--------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3A
7/19/23
--------------------------------------------------------------------------
Drainage Area =      82.99(Ac.)  =      0.130 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      82.99(Ac.)  =
0.130 Sq. Mi.
Length along longest watercourse =    3675.00(Ft.)
Length along longest watercourse measured to centroid =     858.00(Ft.)
Length along longest watercourse =      0.696 Mi.
Length along longest watercourse measured to centroid =      0.163 Mi.
Difference in elevation =      71.00(Ft.)
Slope along watercourse =    102.0082 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.065 Hr.
Lag time =     3.92 Min.
25% of lag time =     0.98 Min.
40% of lag time =     1.57 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       82.99              1.35                  112.04

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       82.99              2.78                  230.71

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.97 %
Adjusted average point rain =    2.779(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    30.060           77.00          0.750
    11.400           85.00          0.750
    18.070           90.00          0.750
     6.000           75.00          0.380
     3.800           87.00          0.380
     4.090           68.00          0.200
     6.610           79.00          0.200
     0.130           84.00          0.200
     2.830           65.00          0.120
 Total Area Entered =     82.99(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
77.0  77.0      0.279     0.750        0.091       0.362      0.033
85.0  85.0      0.187     0.750        0.061       0.137      0.008
90.0  90.0      0.130     0.750        0.042       0.218      0.009
75.0  75.0      0.303     0.380        0.199       0.072      0.014
87.0  87.0      0.164     0.380        0.108       0.046      0.005
68.0  68.0      0.384     0.200        0.315       0.049      0.016
79.0  79.0      0.256     0.200        0.210       0.080      0.017
84.0  84.0      0.198     0.200        0.163       0.002      0.000
65.0  65.0      0.416     0.120        0.371       0.034      0.013
                                                 Sum (F) =   0.115
Area averaged mean soil loss (F) (In/Hr) =  0.115
Minimum soil loss rate ((In/Hr)) =  0.057
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.410
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        127.596         23.890             19.981
    2   0.167        255.191         55.762             46.639
    3   0.250        382.787         14.567             12.183
    4   0.333        510.382          4.191              3.506
    5   0.417        637.978          1.073              0.897
    6   0.500        765.574          0.517              0.432
                                Sum = 100.000   Sum=      83.638
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.50      0.167       (  0.115)       0.068        0.098
```

2	0.17	0.60	0.200	(0.115)	0.082	0.118
3	0.25	0.60	0.200	(0.115)	0.082	0.118
4	0.33	0.60	0.200	(0.115)	0.082	0.118
5	0.42	0.60	0.200	(0.115)	0.082	0.118
6	0.50	0.70	0.233	(0.115)	0.096	0.138
7	0.58	0.70	0.233	(0.115)	0.096	0.138
8	0.67	0.70	0.233	(0.115)	0.096	0.138
9	0.75	0.70	0.233	(0.115)	0.096	0.138
10	0.83	0.70	0.233	(0.115)	0.096	0.138
11	0.92	0.70	0.233	(0.115)	0.096	0.138
12	1.00	0.80	0.267	(0.115)	0.109	0.157
13	1.08	0.80	0.267	(0.115)	0.109	0.157
14	1.17	0.80	0.267	(0.115)	0.109	0.157
15	1.25	0.80	0.267	(0.115)	0.109	0.157
16	1.33	0.80	0.267	(0.115)	0.109	0.157
17	1.42	0.80	0.267	(0.115)	0.109	0.157
18	1.50	0.80	0.267	(0.115)	0.109	0.157
19	1.58	0.80	0.267	(0.115)	0.109	0.157
20	1.67	0.80	0.267	(0.115)	0.109	0.157
21	1.75	0.80	0.267	(0.115)	0.109	0.157
22	1.83	0.80	0.267	(0.115)	0.109	0.157
23	1.92	0.80	0.267	(0.115)	0.109	0.157
24	2.00	0.90	0.300	0.115	(0.123)	0.185
25	2.08	0.80	0.267	(0.115)	0.109	0.157
26	2.17	0.90	0.300	0.115	(0.123)	0.185
27	2.25	0.90	0.300	0.115	(0.123)	0.185
28	2.33	0.90	0.300	0.115	(0.123)	0.185
29	2.42	0.90	0.300	0.115	(0.123)	0.185
30	2.50	0.90	0.300	0.115	(0.123)	0.185
31	2.58	0.90	0.300	0.115	(0.123)	0.185
32	2.67	0.90	0.300	0.115	(0.123)	0.185
33	2.75	1.00	0.334	0.115	(0.137)	0.219
34	2.83	1.00	0.334	0.115	(0.137)	0.219
35	2.92	1.00	0.334	0.115	(0.137)	0.219
36	3.00	1.00	0.334	0.115	(0.137)	0.219
37	3.08	1.00	0.334	0.115	(0.137)	0.219
38	3.17	1.10	0.367	0.115	(0.150)	0.252
39	3.25	1.10	0.367	0.115	(0.150)	0.252
40	3.33	1.10	0.367	0.115	(0.150)	0.252
41	3.42	1.20	0.400	0.115	(0.164)	0.285
42	3.50	1.30	0.434	0.115	(0.178)	0.319
43	3.58	1.40	0.467	0.115	(0.191)	0.352
44	3.67	1.40	0.467	0.115	(0.191)	0.352
45	3.75	1.50	0.500	0.115	(0.205)	0.385
46	3.83	1.50	0.500	0.115	(0.205)	0.385
47	3.92	1.60	0.534	0.115	(0.219)	0.419
48	4.00	1.60	0.534	0.115	(0.219)	0.419
49	4.08	1.70	0.567	0.115	(0.232)	0.452
50	4.17	1.80	0.600	0.115	(0.246)	0.485
51	4.25	1.90	0.634	0.115	(0.260)	0.519
52	4.33	2.00	0.667	0.115	(0.273)	0.552
53	4.42	2.10	0.700	0.115	(0.287)	0.585
54	4.50	2.10	0.700	0.115	(0.287)	0.585
55	4.58	2.20	0.734	0.115	(0.301)	0.619
56	4.67	2.30	0.767	0.115	(0.314)	0.652
57	4.75	2.40	0.800	0.115	(0.328)	0.685
58	4.83	2.40	0.800	0.115	(0.328)	0.685
59	4.92	2.50	0.834	0.115	(0.342)	0.719
60	5.00	2.60	0.867	0.115	(0.356)	0.752
61	5.08	3.10	1.034	0.115	(0.424)	0.919
62	5.17	3.60	1.201	0.115	(0.492)	1.086
63	5.25	3.90	1.301	0.115	(0.533)	1.186
64	5.33	4.20	1.401	0.115	(0.574)	1.286
65	5.42	4.70	1.567	0.115	(0.643)	1.453
66	5.50	5.60	1.868	0.115	(0.766)	1.753
67	5.58	1.90	0.634	0.115	(0.260)	0.519
68	5.67	0.90	0.300	0.115	(0.123)	0.185
69	5.75	0.60	0.200	(0.115)	0.082	0.118
70	5.83	0.50	0.167	(0.115)	0.068	0.098
71	5.92	0.30	0.100	(0.115)	0.041	0.059
72	6.00	0.20	0.067	(0.115)	0.027	0.039

(Loss Rate Not Used)

Sum = 100.0 Sum = 25.7

Flood volume = Effective rainfall 2.14(In)
times area 83.0(Ac.)/[(In)/(Ft.)] = 14.8(Ac.Ft)
Total soil loss = 0.64(In)
Total soil loss = 4.419(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 644744.3 Cubic Feet
Total soil loss = 192502.1 Cubic Feet

Peak flow rate of this hydrograph = 124.024(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0135	1.97	Q	|	|	|	|
0+10	0.0614	6.95	VQ	|	|	|	|
0+15	0.1239	9.07	VQ	|	|	|	|
0+20	0.1904	9.65	VQ	|	|	|	|
0+25	0.2579	9.81	VQ	|	|	|	|
0+30	0.3286	10.26	V Q	|	|	|	|
0+35	0.4057	11.19	|VQ	|	|	|	|
0+40	0.4844	11.43	|VQ	|	|	|	|
0+45	0.5636	11.50	|VQ	|	|	|	|
0+50	0.6429	11.52	|VQ	|	|	|	|
0+55	0.7223	11.53	|VQ	|	|	|	|
1+ 0	0.8044	11.92	| Q	|	|	|	|
1+ 5	0.8928	12.84	| Q	|	|	|	|
1+10	0.9829	13.08	| Q	|	|	|	|
1+15	1.0734	13.15	| Q	|	|	|	|
1+20	1.1641	13.16	| QV	|	|	|	|
1+25	1.2548	13.17	| QV	|	|	|	|
1+30	1.3455	13.17	| QV	|	|	|	|
1+35	1.4363	13.17	| QV	|	|	|	|
1+40	1.5270	13.17	| Q V	|	|	|	|
1+45	1.6177	13.17	| Q V	|	|	|	|
1+50	1.7084	13.17	| Q V	|	|	|	|
1+55	1.7991	13.17	| Q V	|	|	|	|
2+ 0	1.8937	13.73	| Q V	|	|	|	|
2+ 5	1.9933	14.47	| Q V	|	|	|	|
2+10	2.0902	14.07	| Q V	|	|	|	|
2+15	2.1944	15.12	| Q V	|	|	|	|
2+20	2.3004	15.39	| Q V	|	|	|	|
2+25	2.4070	15.48	| Q V	|	|	|	|
2+30	2.5137	15.49	| Q V	|	|	|	|
2+35	2.6204	15.50	| Q V	|	|	|	|
2+40	2.7272	15.50	| Q V	|	|	|	|

```
   2+45       2.8385     16.17  |  Q   V  |          |          |          |
   2+50       2.9606     17.72  |  Q    V |          |          |          |
   2+55       3.0854     18.13  |  Q    V |          |          |          |
   3+ 0       3.2111     18.25  |  Q    V |          |          |          |
   3+ 5       3.3370     18.28  |  Q     V|          |          |          |
   3+10       3.4676     18.96  |  Q     V|          |          |          |
   3+15       3.6089     20.51  |   Q    V|          |          |          |
   3+20       3.7529     20.92  |   Q     V          |          |          |
   3+25       3.9024     21.70  |   Q     V          |          |          |
   3+30       4.0674     23.96  |   Q     V          |          |          |
   3+35       4.2506     26.60  |    Q    |V         |          |          |
   3+40       4.4482     28.68  |    Q    | V        |          |          |
   3+45       4.6541     29.90  |    Q    | V        |          |          |
   3+50       4.8719     31.62  |     Q   |  V       |          |          |
   3+55       5.0973     32.74  |     Q   |  V       |          |          |
   4+ 0       5.3344     34.42  |     Q   |   V      |          |          |
   4+ 5       5.5791     35.53  |      Q  |    V     |          |          |
   4+10       5.8400     37.88  |      Q  |    V     |          |          |
   4+15       6.1192     40.54  |       Q |     V    |          |          |
   4+20       6.4174     43.30  |       Q |      V   |          |          |
   4+25       6.7348     46.08  |        Q|       V  |          |          |
   4+30       7.0667     48.20  |        Q|        V|          |          |
   4+35       7.4072     49.44  |        Q|         V          |          |
   4+40       7.7641     51.82  |         Q         V          |          |
   4+45       8.1394     54.50  |         Q         |V         |          |
   4+50       8.5292     56.59  |         |Q        |  V       |          |
   4+55       8.9273     57.81  |         |Q        |   V      |          |
   5+ 0       9.3419     60.19  |         | Q       |    V     |          |
   5+ 5       9.7932     65.53  |         |  Q      |     V    |          |
   5+10      10.3248     77.19  |         |    Q    |      V   |          |
   5+15      10.9388     89.15  |         |      Q  |       V|          |
   5+20      11.6170     98.48  |         |        Q|        |V         |
   5+25      12.3639    108.45  |         |         |Q       |  V       |
   5+30      13.2181    124.02  |         |         |  Q     |    V     |
   5+35      14.0163    115.91  |         |         |  Q     |      V   |
   5+40      14.4022     56.04  |         |Q        |        |       V  |
   5+45      14.5767     25.33  |    Q    |         |        |        V |
   5+50      14.6714     13.76  | Q       |         |        |        V |
   5+55      14.7340      9.08  |Q        |         |        |        V |
   6+ 0      14.7722      5.55  |Q        |         |        |        V |
   6+ 5      14.7935      3.09  Q         |         |        |        V |
   6+10      14.7991      0.83  Q         |         |        |        V |
   6+15      14.8008      0.23  Q         |         |        |        V |
   6+20      14.8012      0.06  Q         |         |        |        V |
   6+25      14.8013      0.02  Q         |         |        |        V |
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  11/22/23 File: MESAP3A24100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3A
7/19/23
--------------------------------------------------------------------------
Drainage Area =      82.99(Ac.)  =      0.130 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      82.99(Ac.)  =
0.130 Sq. Mi.
Length along longest watercourse =    3675.00(Ft.)
Length along longest watercourse measured to centroid =     858.00(Ft.)
Length along longest watercourse =      0.696 Mi.
Length along longest watercourse measured to centroid =      0.163 Mi.
Difference in elevation =      71.00(Ft.)
Slope along watercourse =    102.0082 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.065 Hr.
Lag time =     3.92 Min.
25% of lag time =     0.98 Min.
40% of lag time =     1.57 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       82.99              2.45                  203.33

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       82.99              6.08                  504.58

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    30.060           77.00          0.750
    11.400           85.00          0.750
    18.070           90.00          0.750
     6.000           75.00          0.380
     3.800           87.00          0.380
     4.090           68.00          0.200
     6.610           79.00          0.200
     0.130           84.00          0.200
     2.830           65.00          0.120
 Total Area Entered =     82.99(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
77.0  77.0      0.279     0.750        0.091       0.362      0.033
85.0  85.0      0.187     0.750        0.061       0.137      0.008
90.0  90.0      0.130     0.750        0.042       0.218      0.009
75.0  75.0      0.303     0.380        0.199       0.072      0.014
87.0  87.0      0.164     0.380        0.108       0.046      0.005
68.0  68.0      0.384     0.200        0.315       0.049      0.016
79.0  79.0      0.256     0.200        0.210       0.080      0.017
84.0  84.0      0.198     0.200        0.163       0.002      0.000
65.0  65.0      0.416     0.120        0.371       0.034      0.013
                                                 Sum (F) =   0.115
Area averaged mean soil loss (F) (In/Hr) =  0.115
Minimum soil loss rate ((In/Hr)) =  0.057
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.410
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        127.596         23.890             19.981
    2   0.167        255.191         55.762             46.639
    3   0.250        382.787         14.567             12.183
    4   0.333        510.382          4.191              3.506
    5   0.417        637.978          1.073              0.897
    6   0.500        765.574          0.517              0.432
                                Sum = 100.000   Sum=      83.638
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.204)       0.020        0.029
```

2	0.17	0.07	0.049	(0.203)	0.020	0.029
3	0.25	0.07	0.049	(0.202)	0.020	0.029
4	0.33	0.10	0.073	(0.201)	0.030	0.043
5	0.42	0.10	0.073	(0.201)	0.030	0.043
6	0.50	0.10	0.073	(0.200)	0.030	0.043
7	0.58	0.10	0.073	(0.199)	0.030	0.043
8	0.67	0.10	0.073	(0.198)	0.030	0.043
9	0.75	0.10	0.073	(0.197)	0.030	0.043
10	0.83	0.13	0.097	(0.197)	0.040	0.057
11	0.92	0.13	0.097	(0.196)	0.040	0.057
12	1.00	0.13	0.097	(0.195)	0.040	0.057
13	1.08	0.10	0.073	(0.194)	0.030	0.043
14	1.17	0.10	0.073	(0.194)	0.030	0.043
15	1.25	0.10	0.073	(0.193)	0.030	0.043
16	1.33	0.10	0.073	(0.192)	0.030	0.043
17	1.42	0.10	0.073	(0.191)	0.030	0.043
18	1.50	0.10	0.073	(0.191)	0.030	0.043
19	1.58	0.10	0.073	(0.190)	0.030	0.043
20	1.67	0.10	0.073	(0.189)	0.030	0.043
21	1.75	0.10	0.073	(0.188)	0.030	0.043
22	1.83	0.13	0.097	(0.187)	0.040	0.057
23	1.92	0.13	0.097	(0.187)	0.040	0.057
24	2.00	0.13	0.097	(0.186)	0.040	0.057
25	2.08	0.13	0.097	(0.185)	0.040	0.057
26	2.17	0.13	0.097	(0.184)	0.040	0.057
27	2.25	0.13	0.097	(0.184)	0.040	0.057
28	2.33	0.13	0.097	(0.183)	0.040	0.057
29	2.42	0.13	0.097	(0.182)	0.040	0.057
30	2.50	0.13	0.097	(0.181)	0.040	0.057
31	2.58	0.17	0.122	(0.181)	0.050	0.072
32	2.67	0.17	0.122	(0.180)	0.050	0.072
33	2.75	0.17	0.122	(0.179)	0.050	0.072
34	2.83	0.17	0.122	(0.179)	0.050	0.072
35	2.92	0.17	0.122	(0.178)	0.050	0.072
36	3.00	0.17	0.122	(0.177)	0.050	0.072
37	3.08	0.17	0.122	(0.176)	0.050	0.072
38	3.17	0.17	0.122	(0.176)	0.050	0.072
39	3.25	0.17	0.122	(0.175)	0.050	0.072
40	3.33	0.17	0.122	(0.174)	0.050	0.072
41	3.42	0.17	0.122	(0.173)	0.050	0.072
42	3.50	0.17	0.122	(0.173)	0.050	0.072
43	3.58	0.17	0.122	(0.172)	0.050	0.072
44	3.67	0.17	0.122	(0.171)	0.050	0.072
45	3.75	0.17	0.122	(0.171)	0.050	0.072
46	3.83	0.20	0.146	(0.170)	0.060	0.086
47	3.92	0.20	0.146	(0.169)	0.060	0.086
48	4.00	0.20	0.146	(0.168)	0.060	0.086
49	4.08	0.20	0.146	(0.168)	0.060	0.086
50	4.17	0.20	0.146	(0.167)	0.060	0.086
51	4.25	0.20	0.146	(0.166)	0.060	0.086
52	4.33	0.23	0.170	(0.166)	0.070	0.100
53	4.42	0.23	0.170	(0.165)	0.070	0.100
54	4.50	0.23	0.170	(0.164)	0.070	0.100
55	4.58	0.23	0.170	(0.163)	0.070	0.100
56	4.67	0.23	0.170	(0.163)	0.070	0.100
57	4.75	0.23	0.170	(0.162)	0.070	0.100
58	4.83	0.27	0.195	(0.161)	0.080	0.115
59	4.92	0.27	0.195	(0.161)	0.080	0.115
60	5.00	0.27	0.195	(0.160)	0.080	0.115
61	5.08	0.20	0.146	(0.159)	0.060	0.086
62	5.17	0.20	0.146	(0.159)	0.060	0.086
63	5.25	0.20	0.146	(0.158)	0.060	0.086
64	5.33	0.23	0.170	(0.157)	0.070	0.100
65	5.42	0.23	0.170	(0.156)	0.070	0.100
66	5.50	0.23	0.170	(0.156)	0.070	0.100
67	5.58	0.27	0.195	(0.155)	0.080	0.115
68	5.67	0.27	0.195	(0.154)	0.080	0.115
69	5.75	0.27	0.195	(0.154)	0.080	0.115
70	5.83	0.27	0.195	(0.153)	0.080	0.115
71	5.92	0.27	0.195	(0.152)	0.080	0.115
72	6.00	0.27	0.195	(0.152)	0.080	0.115
73	6.08	0.30	0.219	(0.151)	0.090	0.129
74	6.17	0.30	0.219	(0.150)	0.090	0.129
75	6.25	0.30	0.219	(0.150)	0.090	0.129
76	6.33	0.30	0.219	(0.149)	0.090	0.129
77	6.42	0.30	0.219	(0.148)	0.090	0.129
78	6.50	0.30	0.219	(0.148)	0.090	0.129
79	6.58	0.33	0.243	(0.147)	0.100	0.143
80	6.67	0.33	0.243	(0.146)	0.100	0.143
81	6.75	0.33	0.243	(0.146)	0.100	0.143
82	6.83	0.33	0.243	(0.145)	0.100	0.143
83	6.92	0.33	0.243	(0.144)	0.100	0.143
84	7.00	0.33	0.243	(0.144)	0.100	0.143
85	7.08	0.33	0.243	(0.143)	0.100	0.143
86	7.17	0.33	0.243	(0.142)	0.100	0.143
87	7.25	0.33	0.243	(0.142)	0.100	0.143
88	7.33	0.37	0.267	(0.141)	0.110	0.158
89	7.42	0.37	0.267	(0.140)	0.110	0.158
90	7.50	0.37	0.267	(0.140)	0.110	0.158
91	7.58	0.40	0.292	(0.139)	0.120	0.172
92	7.67	0.40	0.292	(0.139)	0.120	0.172
93	7.75	0.40	0.292	(0.138)	0.120	0.172
94	7.83	0.43	0.316	(0.137)	0.130	0.187
95	7.92	0.43	0.316	(0.137)	0.130	0.187
96	8.00	0.43	0.316	(0.136)	0.130	0.187
97	8.08	0.50	0.365	0.135	(0.150)	0.229
98	8.17	0.50	0.365	0.135	(0.150)	0.230
99	8.25	0.50	0.365	0.134	(0.150)	0.231
100	8.33	0.50	0.365	0.133	(0.150)	0.231
101	8.42	0.50	0.365	0.133	(0.150)	0.232
102	8.50	0.50	0.365	0.132	(0.150)	0.233
103	8.58	0.53	0.389	0.132	(0.160)	0.257
104	8.67	0.53	0.389	0.131	(0.160)	0.258
105	8.75	0.53	0.389	0.130	(0.160)	0.259
106	8.83	0.57	0.413	0.130	(0.169)	0.284
107	8.92	0.57	0.413	0.129	(0.169)	0.284
108	9.00	0.57	0.413	0.129	(0.169)	0.285
109	9.08	0.63	0.462	0.128	(0.189)	0.334
110	9.17	0.63	0.462	0.127	(0.189)	0.335
111	9.25	0.63	0.462	0.127	(0.189)	0.335
112	9.33	0.67	0.486	0.126	(0.199)	0.360
113	9.42	0.67	0.486	0.126	(0.199)	0.361
114	9.50	0.67	0.486	0.125	(0.199)	0.361
115	9.58	0.70	0.511	0.124	(0.209)	0.386
116	9.67	0.70	0.511	0.124	(0.209)	0.387
117	9.75	0.70	0.511	0.123	(0.209)	0.388
118	9.83	0.73	0.535	0.123	(0.219)	0.412
119	9.92	0.73	0.535	0.122	(0.219)	0.413
120	10.00	0.73	0.535	0.121	(0.219)	0.414
121	10.08	0.50	0.365	0.121	(0.150)	0.244
122	10.17	0.50	0.365	0.120	(0.150)	0.245
123	10.25	0.50	0.365	0.120	(0.150)	0.245
124	10.33	0.50	0.365	0.119	(0.150)	0.246
125	10.42	0.50	0.365	0.118	(0.150)	0.246

126	10.50	0.50	0.365	0.118	(0.150)	0.247
127	10.58	0.67	0.486	0.117	(0.199)	0.369
128	10.67	0.67	0.486	0.117	(0.199)	0.370
129	10.75	0.67	0.486	0.116	(0.199)	0.370
130	10.83	0.67	0.486	0.116	(0.199)	0.371
131	10.92	0.67	0.486	0.115	(0.199)	0.371
132	11.00	0.67	0.486	0.114	(0.199)	0.372
133	11.08	0.63	0.462	0.114	(0.189)	0.348
134	11.17	0.63	0.462	0.113	(0.189)	0.349
135	11.25	0.63	0.462	0.113	(0.189)	0.349
136	11.33	0.63	0.462	0.112	(0.189)	0.350
137	11.42	0.63	0.462	0.112	(0.189)	0.350
138	11.50	0.63	0.462	0.111	(0.189)	0.351
139	11.58	0.57	0.413	0.111	(0.169)	0.303
140	11.67	0.57	0.413	0.110	(0.169)	0.303
141	11.75	0.57	0.413	0.109	(0.169)	0.304
142	11.83	0.60	0.438	0.109	(0.179)	0.329
143	11.92	0.60	0.438	0.108	(0.179)	0.329
144	12.00	0.60	0.438	0.108	(0.179)	0.330
145	12.08	0.83	0.608	0.107	(0.249)	0.501
146	12.17	0.83	0.608	0.107	(0.249)	0.501
147	12.25	0.83	0.608	0.106	(0.249)	0.502
148	12.33	0.87	0.632	0.106	(0.259)	0.527
149	12.42	0.87	0.632	0.105	(0.259)	0.527
150	12.50	0.87	0.632	0.105	(0.259)	0.528
151	12.58	0.93	0.681	0.104	(0.279)	0.577
152	12.67	0.93	0.681	0.104	(0.279)	0.577
153	12.75	0.93	0.681	0.103	(0.279)	0.578
154	12.83	0.97	0.705	0.103	(0.289)	0.603
155	12.92	0.97	0.705	0.102	(0.289)	0.603
156	13.00	0.97	0.705	0.101	(0.289)	0.604
157	13.08	1.13	0.827	0.101	(0.339)	0.726
158	13.17	1.13	0.827	0.100	(0.339)	0.726
159	13.25	1.13	0.827	0.100	(0.339)	0.727
160	13.33	1.13	0.827	0.099	(0.339)	0.727
161	13.42	1.13	0.827	0.099	(0.339)	0.728
162	13.50	1.13	0.827	0.098	(0.339)	0.728
163	13.58	0.77	0.559	0.098	(0.229)	0.461
164	13.67	0.77	0.559	0.097	(0.229)	0.462
165	13.75	0.77	0.559	0.097	(0.229)	0.462
166	13.83	0.77	0.559	0.096	(0.229)	0.463
167	13.92	0.77	0.559	0.096	(0.229)	0.463
168	14.00	0.77	0.559	0.095	(0.229)	0.464
169	14.08	0.90	0.657	0.095	(0.269)	0.562
170	14.17	0.90	0.657	0.094	(0.269)	0.562
171	14.25	0.90	0.657	0.094	(0.269)	0.563
172	14.33	0.87	0.632	0.094	(0.259)	0.539
173	14.42	0.87	0.632	0.093	(0.259)	0.539
174	14.50	0.87	0.632	0.093	(0.259)	0.540
175	14.58	0.87	0.632	0.092	(0.259)	0.540
176	14.67	0.87	0.632	0.092	(0.259)	0.541
177	14.75	0.87	0.632	0.091	(0.259)	0.541
178	14.83	0.83	0.608	0.091	(0.249)	0.517
179	14.92	0.83	0.608	0.090	(0.249)	0.518
180	15.00	0.83	0.608	0.090	(0.249)	0.518
181	15.08	0.80	0.584	0.089	(0.239)	0.494
182	15.17	0.80	0.584	0.089	(0.239)	0.495
183	15.25	0.80	0.584	0.088	(0.239)	0.495
184	15.33	0.77	0.559	0.088	(0.229)	0.471
185	15.42	0.77	0.559	0.087	(0.229)	0.472
186	15.50	0.77	0.559	0.087	(0.229)	0.472
187	15.58	0.63	0.462	0.087	(0.189)	0.375
188	15.67	0.63	0.462	0.086	(0.189)	0.376
189	15.75	0.63	0.462	0.086	(0.189)	0.376
190	15.83	0.63	0.462	0.085	(0.189)	0.377
191	15.92	0.63	0.462	0.085	(0.189)	0.377
192	16.00	0.63	0.462	0.084	(0.189)	0.378
193	16.08	0.13	0.097	(0.084)	0.040	0.057
194	16.17	0.13	0.097	(0.084)	0.040	0.057
195	16.25	0.13	0.097	(0.083)	0.040	0.057
196	16.33	0.13	0.097	(0.083)	0.040	0.057
197	16.42	0.13	0.097	(0.082)	0.040	0.057
198	16.50	0.13	0.097	(0.082)	0.040	0.057
199	16.58	0.10	0.073	(0.081)	0.030	0.043
200	16.67	0.10	0.073	(0.081)	0.030	0.043
201	16.75	0.10	0.073	(0.081)	0.030	0.043
202	16.83	0.10	0.073	(0.080)	0.030	0.043
203	16.92	0.10	0.073	(0.080)	0.030	0.043
204	17.00	0.10	0.073	(0.079)	0.030	0.043
205	17.08	0.17	0.122	(0.079)	0.050	0.072
206	17.17	0.17	0.122	(0.079)	0.050	0.072
207	17.25	0.17	0.122	(0.078)	0.050	0.072
208	17.33	0.17	0.122	(0.078)	0.050	0.072
209	17.42	0.17	0.122	(0.077)	0.050	0.072
210	17.50	0.17	0.122	(0.077)	0.050	0.072
211	17.58	0.17	0.122	(0.077)	0.050	0.072
212	17.67	0.17	0.122	(0.076)	0.050	0.072
213	17.75	0.17	0.122	(0.076)	0.050	0.072
214	17.83	0.13	0.097	(0.075)	0.040	0.057
215	17.92	0.13	0.097	(0.075)	0.040	0.057
216	18.00	0.13	0.097	(0.075)	0.040	0.057
217	18.08	0.13	0.097	(0.074)	0.040	0.057
218	18.17	0.13	0.097	(0.074)	0.040	0.057
219	18.25	0.13	0.097	(0.074)	0.040	0.057
220	18.33	0.13	0.097	(0.073)	0.040	0.057
221	18.42	0.13	0.097	(0.073)	0.040	0.057
222	18.50	0.13	0.097	(0.073)	0.040	0.057
223	18.58	0.10	0.073	(0.072)	0.030	0.043
224	18.67	0.10	0.073	(0.072)	0.030	0.043
225	18.75	0.10	0.073	(0.072)	0.030	0.043
226	18.83	0.07	0.049	(0.071)	0.020	0.029
227	18.92	0.07	0.049	(0.071)	0.020	0.029
228	19.00	0.07	0.049	(0.071)	0.020	0.029
229	19.08	0.10	0.073	(0.070)	0.030	0.043
230	19.17	0.10	0.073	(0.070)	0.030	0.043
231	19.25	0.10	0.073	(0.070)	0.030	0.043
232	19.33	0.13	0.097	(0.069)	0.040	0.057
233	19.42	0.13	0.097	(0.069)	0.040	0.057
234	19.50	0.13	0.097	(0.069)	0.040	0.057
235	19.58	0.10	0.073	(0.068)	0.030	0.043
236	19.67	0.10	0.073	(0.068)	0.030	0.043
237	19.75	0.10	0.073	(0.068)	0.030	0.043
238	19.83	0.07	0.049	(0.067)	0.020	0.029
239	19.92	0.07	0.049	(0.067)	0.020	0.029
240	20.00	0.07	0.049	(0.067)	0.020	0.029
241	20.08	0.10	0.073	(0.066)	0.030	0.043
242	20.17	0.10	0.073	(0.066)	0.030	0.043
243	20.25	0.10	0.073	(0.066)	0.030	0.043
244	20.33	0.10	0.073	(0.066)	0.030	0.043
245	20.42	0.10	0.073	(0.065)	0.030	0.043
246	20.50	0.10	0.073	(0.065)	0.030	0.043
247	20.58	0.10	0.073	(0.065)	0.030	0.043
248	20.67	0.10	0.073	(0.064)	0.030	0.043
249	20.75	0.10	0.073	(0.064)	0.030	0.043

250	20.83	0.07	0.049	(0.064)	0.020	0.029
251	20.92	0.07	0.049	(0.064)	0.020	0.029
252	21.00	0.07	0.049	(0.063)	0.020	0.029
253	21.08	0.10	0.073	(0.063)	0.030	0.043
254	21.17	0.10	0.073	(0.063)	0.030	0.043
255	21.25	0.10	0.073	(0.063)	0.030	0.043
256	21.33	0.07	0.049	(0.062)	0.020	0.029
257	21.42	0.07	0.049	(0.062)	0.020	0.029
258	21.50	0.07	0.049	(0.062)	0.020	0.029
259	21.58	0.10	0.073	(0.062)	0.030	0.043
260	21.67	0.10	0.073	(0.062)	0.030	0.043
261	21.75	0.10	0.073	(0.061)	0.030	0.043
262	21.83	0.07	0.049	(0.061)	0.020	0.029
263	21.92	0.07	0.049	(0.061)	0.020	0.029
264	22.00	0.07	0.049	(0.061)	0.020	0.029
265	22.08	0.10	0.073	(0.060)	0.030	0.043
266	22.17	0.10	0.073	(0.060)	0.030	0.043
267	22.25	0.10	0.073	(0.060)	0.030	0.043
268	22.33	0.07	0.049	(0.060)	0.020	0.029
269	22.42	0.07	0.049	(0.060)	0.020	0.029
270	22.50	0.07	0.049	(0.060)	0.020	0.029
271	22.58	0.07	0.049	(0.059)	0.020	0.029
272	22.67	0.07	0.049	(0.059)	0.020	0.029
273	22.75	0.07	0.049	(0.059)	0.020	0.029
274	22.83	0.07	0.049	(0.059)	0.020	0.029
275	22.92	0.07	0.049	(0.059)	0.020	0.029
276	23.00	0.07	0.049	(0.059)	0.020	0.029
277	23.08	0.07	0.049	(0.058)	0.020	0.029
278	23.17	0.07	0.049	(0.058)	0.020	0.029
279	23.25	0.07	0.049	(0.058)	0.020	0.029
280	23.33	0.07	0.049	(0.058)	0.020	0.029
281	23.42	0.07	0.049	(0.058)	0.020	0.029
282	23.50	0.07	0.049	(0.058)	0.020	0.029
283	23.58	0.07	0.049	(0.058)	0.020	0.029
284	23.67	0.07	0.049	(0.058)	0.020	0.029
285	23.75	0.07	0.049	(0.058)	0.020	0.029
286	23.83	0.07	0.049	(0.058)	0.020	0.029
287	23.92	0.07	0.049	(0.058)	0.020	0.029
288	24.00	0.07	0.049	(0.057)	0.020	0.029

(Loss Rate Not Used)

Sum = 100.0 Sum = 53.5

Flood volume = Effective rainfall 4.46(In)
times area 83.0(Ac.)/[(In)/(Ft.)] = 30.9(Ac.Ft)
Total soil loss = 1.62(In)
Total soil loss = 11.182(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 1344230.1 Cubic Feet
Total soil loss = 487095.5 Cubic Feet

Peak flow rate of this hydrograph = 60.903(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	17.5	35.0	52.5	70.0
0+ 5	0.0040	0.57	Q				
0+10	0.0171	1.91	VQ				
0+15	0.0327	2.26	VQ				
0+20	0.0510	2.65	VQ				
0+25	0.0740	3.34	VQ				
0+30	0.0983	3.53	V Q				
0+35	0.1230	3.58	V Q				
0+40	0.1477	3.60	V Q				
0+45	0.1726	3.60	V Q				
0+50	0.1993	3.89	V Q				
0+55	0.2307	4.56	V Q				
1+ 0	0.2633	4.73	V Q				
1+ 5	0.2943	4.50	V Q				
1+10	0.3207	3.84	V Q				
1+15	0.3460	3.67	V Q				
1+20	0.3709	3.62	V Q				
1+25	0.3958	3.61	V Q				
1+30	0.4206	3.60	V Q				
1+35	0.4454	3.60	V Q				
1+40	0.4702	3.60	V Q				
1+45	0.4950	3.60	V Q				
1+50	0.5218	3.89	V Q				
1+55	0.5532	4.56	V Q				
2+ 0	0.5858	4.73	V Q				
2+ 5	0.6187	4.78	V Q				
2+10	0.6517	4.80	V Q				
2+15	0.6848	4.80	V Q				
2+20	0.7179	4.80	V Q				
2+25	0.7510	4.80	V Q				
2+30	0.7840	4.80	VQ				
2+35	0.8191	5.09	VQ				
2+40	0.8587	5.76	V Q				
2+45	0.8996	5.93	V Q				
2+50	0.9408	5.98	V Q				
2+55	0.9821	6.00	V Q				
3+ 0	1.0235	6.00	V Q				
3+ 5	1.0648	6.00	V Q				
3+10	1.1061	6.00	V Q				
3+15	1.1475	6.00	V Q				
3+20	1.1888	6.00	V Q				
3+25	1.2302	6.00	V Q				
3+30	1.2715	6.00	V Q				
3+35	1.3128	6.00	V Q				
3+40	1.3542	6.00	V Q				
3+45	1.3955	6.00	V Q				
3+50	1.4388	6.29	V Q				
3+55	1.4868	6.96	V Q				
4+ 0	1.5359	7.13	V Q				
4+ 5	1.5854	7.18	V Q				
4+10	1.6349	7.20	V Q				
4+15	1.6845	7.20	V Q				
4+20	1.7361	7.49	V Q				
4+25	1.7923	8.16	V Q				
4+30	1.8497	8.33	V Q				
4+35	1.9075	8.38	V Q				
4+40	1.9653	8.40	V Q				
4+45	2.0232	8.40	V Q				
4+50	2.0830	8.69	V Q				
4+55	2.1475	9.36	V Q				
5+ 0	2.2132	9.53	V Q				
5+ 5	2.2752	9.01	V Q				
5+10	2.3282	7.69	VQ				
5+15	2.3787	7.34	VQ				
5+20	2.4306	7.53	VQ				

5+25	2.4869	8.17	VQ					10+35	10.2659	23.09			Q				
5+30	2.5443	8.33	VQ					10+40	10.4643	28.81			V Q				
5+35	2.6040	8.67	VQ					10+45	10.6733	30.34			V Q				
5+40	2.6684	9.35	V Q					10+50	10.8855	30.81			V Q				
5+45	2.7341	9.53	V Q					10+55	11.0988	30.97			V Q				
5+50	2.8001	9.59	V Q					11+ 0	11.3128	31.07			V Q				
5+55	2.8662	9.60	V Q					11+ 5	11.5237	30.63			V Q				
6+ 0	2.9323	9.60	V Q					11+10	11.7272	29.54			VQ				
6+ 5	3.0004	9.89	V Q					11+15	11.9289	29.29			VQ				
6+10	3.0732	10.56	V Q					11+20	12.1304	29.26			VQ				
6+15	3.1471	10.74	V Q					11+25	12.3321	29.28			VQ				
6+20	3.2214	10.79	V Q					11+30	12.5340	29.32			Q				
6+25	3.2958	10.80	V Q					11+35	12.7295	28.39			Q				
6+30	3.3702	10.80	V Q					11+40	12.9097	26.17			Q V				
6+35	3.4466	11.09	V Q					11+45	13.0862	25.62			Q V				
6+40	3.5276	11.76	V Q					11+50	13.2651	25.98			Q V				
6+45	3.6098	11.94	V Q					11+55	13.4519	27.12			Q V				
6+50	3.6923	11.99	V Q					12+ 0	13.6409	27.44			Q V				
6+55	3.7750	12.00	V Q					12+ 5	13.8542	30.97			Q				
7+ 0	3.8576	12.01	VQ					12+10	14.1227	38.98			V	Q			
7+ 5	3.9403	12.01	VQ					12+15	14.4058	41.11			V	Q			
7+10	4.0230	12.01	VQ					12+20	14.6967	42.24			V	Q			
7+15	4.1057	12.01	VQ					12+25	14.9968	43.57			V	Q			
7+20	4.1903	12.29	V Q					12+30	15.2998	43.99			V	Q			
7+25	4.2796	12.96	V Q					12+35	15.6103	45.09			V	Q			
7+30	4.3701	13.14	V Q					12+40	15.9369	47.42			V	Q			
7+35	4.4629	13.47	V Q					12+45	16.2680	48.07			V	Q			
7+40	4.5604	14.16	V Q					12+50	16.6039	48.77			V	Q			
7+45	4.6591	14.34	V Q					12+55	16.9482	49.99			V	Q			
7+50	4.7602	14.67	V Q					13+ 0	17.2950	50.35			V	Q			
7+55	4.8659	15.36	V Q					13+ 5	17.6594	52.91			V	Q			
8+ 0	4.9729	15.54	V Q					13+10	18.0633	58.65			V	Q			
8+ 5	5.0862	16.44	V Q					13+15	18.4779	60.19			V	Q			
8+10	5.2134	18.47	V Q					13+20	18.8956	60.66			V	Q			
8+15	5.3445	19.04	V Q					13+25	19.3144	60.81			V	Q			
8+20	5.4771	19.24	V Q					13+30	19.7338	60.90			V	Q			
8+25	5.6102	19.33	V Q					13+35	20.1167	55.60			V	Q			
8+30	5.7438	19.40	V Q					13+40	20.4140	43.16			Q V				
8+35	5.8811	19.94	V Q					13+45	20.6890	39.94			Q V				
8+40	6.0266	21.13	V Q					13+50	20.9579	39.04			Q V				
8+45	6.1745	21.47	V Q					13+55	21.2254	38.84			Q V				
8+50	6.3267	22.10	V Q					14+ 0	21.4924	38.77			Q V				
8+55	6.4872	23.31	V Q					14+ 5	21.7731	40.76			Q V				
9+ 0	6.6502	23.66	V Q					14+10	22.0854	45.33			Q V				
9+ 5	6.8208	24.77	V Q					14+15	22.4060	46.56			Q V				
9+10	7.0076	27.11	V Q					14+20	22.7260	46.46			Q V				
9+15	7.1988	27.77	V Q					14+25	23.0390	45.45			Q V				
9+20	7.3949	28.48	V Q					14+30	23.3505	45.23			Q V				
9+25	7.5995	29.71	V Q					14+35	23.6617	45.19			Q V				
9+30	7.8066	30.07	V Q					14+40	23.9731	45.21			Q V				
9+35	8.0180	30.69	V Q					14+45	24.2846	45.24			Q V				
9+40	8.2377	31.90	V Q					14+50	24.5931	44.79			Q V				
9+45	8.4599	32.26	V Q					14+55	24.8940	43.69			Q V				
9+50	8.6863	32.88	V Q					15+ 0	25.1932	43.44			Q V				
9+55	8.9211	34.09	V Q					15+ 5	25.4887	42.90			Q V				
10+ 0	9.1583	34.44	V Q					15+10	25.7764	41.79			Q V				
10+ 5	9.3730	31.17	V Q					15+15	26.0624	41.52			Q V				
10+10	9.5334	23.30	VQ					15+20	26.3446	40.98			Q V				
10+15	9.6800	21.29	Q					15+25	26.6192	39.87			Q V				
10+20	9.8229	20.74	QV					15+30	26.8919	39.60			Q V				
10+25	9.9650	20.63	QV					15+35	27.1509	37.60			Q V				
10+30	10.1069	20.61	Q V					15+40	27.3787	33.08			Q V				

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15+45     27.5985     31.92  |          |        Q |          |    V     |
15+50     27.8163     31.62  |          |        Q |          |     V    |
15+55     28.0337     31.57  |          |        Q |          |     V    |
16+ 0     28.2511     31.56  |          |        Q |          |     V    |
16+ 5     28.4245     25.19  |          |   Q      |          |     V    |
16+10     28.4951     10.25  |     Q    |          |          |     V    |
16+15     28.5389      6.35  |   Q      |          |          |     V    |
16+20     28.5749      5.23  | Q        |          |          |      V   |
16+25     28.6089      4.94  | Q        |          |          |      V   |
16+30     28.6420      4.80  | Q        |          |          |      V   |
16+35     28.6731      4.52  | Q        |          |          |      V   |
16+40     28.6996      3.85  | Q        |          |          |      V   |
16+45     28.7248      3.67  | Q        |          |          |      V   |
16+50     28.7498      3.62  | Q        |          |          |      V   |
16+55     28.7746      3.61  | Q        |          |          |      V   |
17+ 0     28.7994      3.60  | Q        |          |          |      V   |
17+ 5     28.8282      4.18  | Q        |          |          |      V   |
17+10     28.8662      5.51  |  Q       |          |          |      V   |
17+15     28.9065      5.86  |  Q       |          |          |      V   |
17+20     28.9476      5.96  |  Q       |          |          |      V   |
17+25     28.9889      5.99  |  Q       |          |          |      V   |
17+30     29.0302      6.00  |  Q       |          |          |      V   |
17+35     29.0716      6.00  |  Q       |          |          |      V   |
17+40     29.1129      6.00  |  Q       |          |          |      V   |
17+45     29.1542      6.00  |  Q       |          |          |      V   |
17+50     29.1936      5.72  |  Q       |          |          |      V   |
17+55     29.2284      5.05  | Q        |          |          |      V   |
18+ 0     29.2619      4.87  | Q        |          |          |      V   |
18+ 5     29.2951      4.82  | Q        |          |          |      V   |
18+10     29.3282      4.81  | Q        |          |          |       V  |
18+15     29.3613      4.80  | Q        |          |          |       V  |
18+20     29.3944      4.80  | Q        |          |          |       V  |
18+25     29.4274      4.80  | Q        |          |          |       V  |
18+30     29.4605      4.80  | Q        |          |          |       V  |
18+35     29.4916      4.52  | Q        |          |          |       V  |
18+40     29.5181      3.85  | Q        |          |          |       V  |
18+45     29.5434      3.67  | Q        |          |          |       V  |
18+50     29.5663      3.33  |Q         |          |          |       V  |
18+55     29.5846      2.65  |Q         |          |          |       V  |
19+ 0     29.6016      2.47  |Q         |          |          |       V  |
19+ 5     29.6203      2.71  |Q         |          |          |       V  |
19+10     29.6434      3.36  |Q         |          |          |       V  |
19+15     29.6678      3.53  | Q        |          |          |       V  |
19+20     29.6944      3.87  | Q        |          |          |       V  |
19+25     29.7258      4.55  | Q        |          |          |       V  |
19+30     29.7583      4.73  | Q        |          |          |       V  |
19+35     29.7893      4.50  | Q        |          |          |       V  |
19+40     29.8158      3.84  | Q        |          |          |       V  |
19+45     29.8410      3.67  | Q        |          |          |       V  |
19+50     29.8640      3.33  |Q         |          |          |       V  |
19+55     29.8823      2.65  |Q         |          |          |       V  |
20+ 0     29.8993      2.47  |Q         |          |          |       V  |
20+ 5     29.9179      2.71  |Q         |          |          |       V  |
20+10     29.9411      3.36  |Q         |          |          |       V  |
20+15     29.9654      3.53  | Q        |          |          |       V  |
20+20     29.9901      3.58  | Q        |          |          |       V  |
20+25     30.0148      3.60  | Q        |          |          |       V  |
20+30     30.0397      3.60  | Q        |          |          |       V  |
20+35     30.0645      3.60  | Q        |          |          |       V  |
20+40     30.0893      3.60  | Q        |          |          |        V |
20+45     30.1141      3.60  | Q        |          |          |        V |
20+50     30.1369      3.31  |Q         |          |          |        V |
20+55     30.1551      2.65  |Q         |          |          |        V |
21+ 0     30.1721      2.47  |Q         |          |          |        V |
21+ 5     30.1908      2.71  |Q         |          |          |        V |
21+10     30.2139      3.36  |Q         |          |          |        V |
21+15     30.2383      3.53  | Q        |          |          |        V |
21+20     30.2610      3.30  |Q         |          |          |        V |
21+25     30.2791      2.64  |Q         |          |          |        V |
21+30     30.2961      2.47  |Q         |          |          |        V |
21+35     30.3148      2.71  |Q         |          |          |        V |
21+40     30.3380      3.36  |Q         |          |          |        V |
21+45     30.3623      3.53  | Q        |          |          |        V |
21+50     30.3850      3.30  |Q         |          |          |        V |
21+55     30.4032      2.64  |Q         |          |          |        V |
22+ 0     30.4202      2.47  |Q         |          |          |        V |
22+ 5     30.4388      2.71  |Q         |          |          |        V |
22+10     30.4620      3.36  |Q         |          |          |        V |
22+15     30.4863      3.53  | Q        |          |          |        V |
22+20     30.5090      3.30  |Q         |          |          |        V |
22+25     30.5272      2.64  |Q         |          |          |        V |
22+30     30.5442      2.47  |Q         |          |          |        V |
22+35     30.5609      2.42  |Q         |          |          |        V |
22+40     30.5774      2.41  |Q         |          |          |        V |
22+45     30.5940      2.40  |Q         |          |          |        V |
22+50     30.6105      2.40  |Q         |          |          |        V |
22+55     30.6270      2.40  |Q         |          |          |        V |
23+ 0     30.6436      2.40  |Q         |          |          |        V |
23+ 5     30.6601      2.40  |Q         |          |          |        V |
23+10     30.6767      2.40  |Q         |          |          |        V |
23+15     30.6932      2.40  |Q         |          |          |        V |
23+20     30.7097      2.40  |Q         |          |          |        V |
23+25     30.7263      2.40  |Q         |          |          |        V |
23+30     30.7428      2.40  |Q         |          |          |        V |
23+35     30.7593      2.40  |Q         |          |          |        V |
23+40     30.7759      2.40  |Q         |          |          |        V |
23+45     30.7924      2.40  |Q         |          |          |        V |
23+50     30.8089      2.40  |Q         |          |          |        V |
23+55     30.8255      2.40  |Q         |          |          |        V |
24+ 0     30.8420      2.40  |Q         |          |          |        V |
24+ 5     30.8546      1.83  |Q         |          |          |        V |
24+10     30.8580      0.49  Q         |          |          |        V |
24+15     30.8589      0.14  Q         |          |          |        V |
24+20     30.8592      0.04  Q         |          |          |        V |
24+25     30.8593      0.01  Q         |          |          |        V |
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP3B3100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      20.75(Ac.)  =      0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      20.75(Ac.)  =
0.032 Sq. Mi.
Length along longest watercourse =    1749.00(Ft.)
Length along longest watercourse measured to centroid =     765.00(Ft.)
Length along longest watercourse =      0.331 Mi.
Length along longest watercourse measured to centroid =      0.145 Mi.
Difference in elevation =      79.00(Ft.)
Slope along watercourse =    238.4906 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.094 Hr.
Lag time =     5.62 Min.
25% of lag time =     1.40 Min.
40% of lag time =     2.25 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.75              0.94                   19.50

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.75              1.97                   40.88

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     9.730           65.00          0.120
     3.800           77.00          0.120
     7.220           82.00          0.120
 Total Area Entered =     20.75(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
65.0  65.0      0.416     0.120        0.371       0.469      0.174
77.0  77.0      0.279     0.120        0.249       0.183      0.046
82.0  82.0      0.221     0.120        0.197       0.348      0.069
                                                 Sum (F) =   0.288
Area averaged mean soil loss (F) (In/Hr) =  0.288
Minimum soil loss rate ((In/Hr)) =  0.144
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.800
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
-----------------------------------------------------------------------
                Unit Hydrograph Data
-----------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-----------------------------------------------------------------------
    1   0.083         89.004         11.024              2.305
    2   0.167        178.008         53.095             11.103
    3   0.250        267.012         21.136              4.420
    4   0.333        356.016          8.689              1.817
    5   0.417        445.020          3.763              0.787
    6   0.500        534.024          1.161              0.243
    7   0.583        623.028          0.650              0.136
    8   0.667        712.032          0.481              0.101
                               Sum = 100.000   Sum=      20.912
-----------------------------------------------------------------------


 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     1.30      0.307       (  0.288)      0.246       0.061
  2   0.17     1.30      0.307       (  0.288)      0.246       0.061
  3   0.25     1.10      0.260       (  0.288)      0.208       0.052
  4   0.33     1.50      0.355       (  0.288)      0.284       0.071
  5   0.42     1.50      0.355       (  0.288)      0.284       0.071
  6   0.50     1.80      0.425          0.288    (  0.340)      0.137
  7   0.58     1.50      0.355       (  0.288)      0.284       0.071
  8   0.67     1.80      0.425          0.288    (  0.340)      0.137
  9   0.75     1.80      0.425          0.288    (  0.340)      0.137
 10   0.83     1.50      0.355       (  0.288)      0.284       0.071
 11   0.92     1.60      0.378          0.288    (  0.303)      0.090
```

12	1.00	1.80	0.425	0.288	(0.340)	0.137
13	1.08	2.20	0.520	0.288	(0.416)	0.232
14	1.17	2.20	0.520	0.288	(0.416)	0.232
15	1.25	2.20	0.520	0.288	(0.416)	0.232
16	1.33	2.00	0.473	0.288	(0.378)	0.184
17	1.42	2.60	0.615	0.288	(0.492)	0.326
18	1.50	2.70	0.638	0.288	(0.511)	0.350
19	1.58	2.40	0.567	0.288	(0.454)	0.279
20	1.67	2.70	0.638	0.288	(0.511)	0.350
21	1.75	3.30	0.780	0.288	(0.624)	0.492
22	1.83	3.10	0.733	0.288	(0.586)	0.444
23	1.92	2.90	0.685	0.288	(0.548)	0.397
24	2.00	3.00	0.709	0.288	(0.567)	0.421
25	2.08	3.10	0.733	0.288	(0.586)	0.444
26	2.17	4.20	0.993	0.288	(0.794)	0.704
27	2.25	5.00	1.182	0.288	(0.946)	0.894
28	2.33	3.50	0.827	0.288	(0.662)	0.539
29	2.42	6.80	1.607	0.288	(1.286)	1.319
30	2.50	7.30	1.726	0.288	(1.380)	1.437
31	2.58	8.20	1.938	0.288	(1.551)	1.650
32	2.67	5.90	1.395	0.288	(1.116)	1.106
33	2.75	2.00	0.473	0.288	(0.378)	0.184
34	2.83	1.80	0.425	0.288	(0.340)	0.137
35	2.92	1.80	0.425	0.288	(0.340)	0.137
36	3.00	0.60	0.142	(0.288)	0.113	0.028

(Loss Rate Not Used)

Sum = 100.0 Sum = 13.6

Flood volume = Effective rainfall 1.13(In)
times area 20.8(Ac.)/[(In)/(Ft.)] = 2.0(Ac.Ft)
Total soil loss = 0.84(In)
Total soil loss = 1.444(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 85477.1 Cubic Feet
Total soil loss = 62894.8 Cubic Feet

Peak flow rate of this hydrograph = 30.418(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0010	0.14	Q				
0+10	0.0067	0.82	Q				
0+15	0.0141	1.07	VQ				
0+20	0.0218	1.12	VQ				
0+25	0.0310	1.34	VQ				
0+30	0.0419	1.58	VQ				
0+35	0.0570	2.19	|VQ				
0+40	0.0702	1.92	|Q				
0+45	0.0874	2.49	|VQ				
0+50	0.1050	2.56	| Q				
0+55	0.1185	1.96	|QV				
1+ 0	0.1325	2.03	| Q				
1+ 5	0.1514	2.75	| QV				
1+10	0.1789	3.99	| Q				
1+15	0.2100	4.50	| Q				
1+20	0.2416	4.60	| Q				
1+25	0.2725	4.48	| QV				
1+30	0.3134	5.94	| QV				
1+35	0.3588	6.59	| QV				
1+40	0.4022	6.30	| Q V				
1+45	0.4521	7.25	| Q V|				
1+50	0.5137	8.95	| Q V				
1+55	0.5760	9.03	| Q|V				
2+ 0	0.6356	8.67	| Q | V				
2+ 5	0.6963	8.81	| Q | V				
2+10	0.7631	9.69	| Q| V				
2+15	0.8536	13.14	| | Q V				
2+20	0.9612	15.63	| | Q V|				
2+25	1.0632	14.81	| | Q |V				
2+30	1.2198	22.74	| | | Q V				
2+35	1.4097	27.56	| | | QV				
2+40	1.6192	30.42	| | | Q V				
2+45	1.7844	23.99	| | | Q | V			
2+50	1.8661	11.87	| |Q | | V			
2+55	1.9112	6.55	| Q | | | V			
3+ 0	1.9397	4.13	| Q | | | V|			
3+ 5	1.9531	1.95	|Q | | | V|			
3+10	1.9590	0.84	Q | | | V|			
3+15	1.9612	0.33	Q | | | V|			
3+20	1.9619	0.09	Q | | | V|			
3+25	1.9621	0.04	Q | | | V|			
3+30	1.9623	0.02	Q | | | V|			
3+35	1.9623	0.00	Q | | | V			

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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP3B6100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      20.75(Ac.)  =      0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      20.75(Ac.)  =
0.032 Sq. Mi.
Length along longest watercourse =    1749.00(Ft.)
Length along longest watercourse measured to centroid =     765.00(Ft.)
Length along longest watercourse =      0.331 Mi.
Length along longest watercourse measured to centroid =      0.145 Mi.
Difference in elevation =      79.00(Ft.)
Slope along watercourse =    238.4906 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.094 Hr.
Lag time =     5.62 Min.
25% of lag time =     1.40 Min.
40% of lag time =     2.25 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.75              1.35                   28.01

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.75              2.78                   57.68

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     9.730           65.00          0.120
     3.800           77.00          0.120
     7.220           82.00          0.120
 Total Area Entered =     20.75(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
65.0  65.0      0.416     0.120        0.371       0.469      0.174
77.0  77.0      0.279     0.120        0.249       0.183      0.046
82.0  82.0      0.221     0.120        0.197       0.348      0.069
                                                Sum (F) =   0.288
Area averaged mean soil loss (F) (In/Hr) =  0.288
Minimum soil loss rate ((In/Hr)) =  0.144
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.800
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083         89.004         11.024              2.305
    2   0.167        178.008         53.095             11.103
    3   0.250        267.012         21.136              4.420
    4   0.333        356.016          8.689              1.817
    5   0.417        445.020          3.763              0.787
    6   0.500        534.024          1.161              0.243
    7   0.583        623.028          0.650              0.136
    8   0.667        712.032          0.481              0.101
                              Sum = 100.000   Sum=      20.912
--------------------------------------------------------------------------


 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.50      0.167       (  0.288)      0.133        0.033
  2   0.17     0.60      0.200       (  0.288)      0.160        0.040
  3   0.25     0.60      0.200       (  0.288)      0.160        0.040
  4   0.33     0.60      0.200       (  0.288)      0.160        0.040
  5   0.42     0.60      0.200       (  0.288)      0.160        0.040
  6   0.50     0.70      0.234       (  0.288)      0.187        0.047
  7   0.58     0.70      0.234       (  0.288)      0.187        0.047
  8   0.67     0.70      0.234       (  0.288)      0.187        0.047
  9   0.75     0.70      0.234       (  0.288)      0.187        0.047
 10   0.83     0.70      0.234       (  0.288)      0.187        0.047
 11   0.92     0.70      0.234       (  0.288)      0.187        0.047
```

12	1.00	0.80	0.267	(0.288)	0.213	0.053
13	1.08	0.80	0.267	(0.288)	0.213	0.053
14	1.17	0.80	0.267	(0.288)	0.213	0.053
15	1.25	0.80	0.267	(0.288)	0.213	0.053
16	1.33	0.80	0.267	(0.288)	0.213	0.053
17	1.42	0.80	0.267	(0.288)	0.213	0.053
18	1.50	0.80	0.267	(0.288)	0.213	0.053
19	1.58	0.80	0.267	(0.288)	0.213	0.053
20	1.67	0.80	0.267	(0.288)	0.213	0.053
21	1.75	0.80	0.267	(0.288)	0.213	0.053
22	1.83	0.80	0.267	(0.288)	0.213	0.053
23	1.92	0.80	0.267	(0.288)	0.213	0.053
24	2.00	0.90	0.300	(0.288)	0.240	0.060
25	2.08	0.80	0.267	(0.288)	0.213	0.053
26	2.17	0.90	0.300	(0.288)	0.240	0.060
27	2.25	0.90	0.300	(0.288)	0.240	0.060
28	2.33	0.90	0.300	(0.288)	0.240	0.060
29	2.42	0.90	0.300	(0.288)	0.240	0.060
30	2.50	0.90	0.300	(0.288)	0.240	0.060
31	2.58	0.90	0.300	(0.288)	0.240	0.060
32	2.67	0.90	0.300	(0.288)	0.240	0.060
33	2.75	1.00	0.334	(0.288)	0.267	0.067
34	2.83	1.00	0.334	(0.288)	0.267	0.067
35	2.92	1.00	0.334	(0.288)	0.267	0.067
36	3.00	1.00	0.334	(0.288)	0.267	0.067
37	3.08	1.00	0.334	(0.288)	0.267	0.067
38	3.17	1.10	0.367	0.288	(0.294)	0.079
39	3.25	1.10	0.367	0.288	(0.294)	0.079
40	3.33	1.10	0.367	0.288	(0.294)	0.079
41	3.42	1.20	0.400	0.288	(0.320)	0.112
42	3.50	1.30	0.434	0.288	(0.347)	0.145
43	3.58	1.40	0.467	0.288	(0.374)	0.179
44	3.67	1.40	0.467	0.288	(0.374)	0.179
45	3.75	1.50	0.500	0.288	(0.400)	0.212
46	3.83	1.50	0.500	0.288	(0.400)	0.212
47	3.92	1.60	0.534	0.288	(0.427)	0.245
48	4.00	1.60	0.534	0.288	(0.427)	0.245
49	4.08	1.70	0.567	0.288	(0.454)	0.279
50	4.17	1.80	0.600	0.288	(0.480)	0.312
51	4.25	1.90	0.634	0.288	(0.507)	0.345
52	4.33	2.00	0.667	0.288	(0.534)	0.379
53	4.42	2.10	0.701	0.288	(0.560)	0.412
54	4.50	2.10	0.701	0.288	(0.560)	0.412
55	4.58	2.20	0.734	0.288	(0.587)	0.446
56	4.67	2.30	0.767	0.288	(0.614)	0.479
57	4.75	2.40	0.801	0.288	(0.640)	0.512
58	4.83	2.40	0.801	0.288	(0.640)	0.512
59	4.92	2.50	0.834	0.288	(0.667)	0.546
60	5.00	2.60	0.867	0.288	(0.694)	0.579
61	5.08	3.10	1.034	0.288	(0.827)	0.746
62	5.17	3.60	1.201	0.288	(0.961)	0.913
63	5.25	3.90	1.301	0.288	(1.041)	1.013
64	5.33	4.20	1.401	0.288	(1.121)	1.113
65	5.42	4.70	1.568	0.288	(1.254)	1.280
66	5.50	5.60	1.868	0.288	(1.494)	1.580
67	5.58	1.90	0.634	0.288	(0.507)	0.345
68	5.67	0.90	0.300	(0.288)	0.240	0.060
69	5.75	0.60	0.200	(0.288)	0.160	0.040
70	5.83	0.50	0.167	(0.288)	0.133	0.033
71	5.92	0.30	0.100	(0.288)	0.080	0.020
72	6.00	0.20	0.067	(0.288)	0.053	0.013

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.1

Flood volume = Effective rainfall 1.34(In)
times area 20.8(Ac.)/[(In)/(Ft.)] = 2.3(Ac.Ft)
Total soil loss = 1.44(In)
Total soil loss = 2.485(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 101156.8 Cubic Feet
Total soil loss = 108224.9 Cubic Feet

Peak flow rate of this hydrograph = 27.206(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0005	0.08	Q				
0+10	0.0037	0.46	Q				
0+15	0.0084	0.68	Q				
0+20	0.0138	0.77	VQ				
0+25	0.0194	0.81	VQ				
0+30	0.0252	0.84	VQ				
0+35	0.0315	0.92	VQ				
0+40	0.0381	0.96	VQ				
0+45	0.0448	0.97	VQ				
0+50	0.0515	0.97	VQ				
0+55	0.0582	0.98	|Q				
1+ 0	0.0650	0.99	|Q				
1+ 5	0.0724	1.07	|Q				
1+10	0.0799	1.10	|Q				
1+15	0.0876	1.11	|Q				
1+20	0.0952	1.11	|Q				
1+25	0.1029	1.12	|Q				
1+30	0.1106	1.12	|Q				
1+35	0.1183	1.12	|QV				
1+40	0.1260	1.12	|QV				
1+45	0.1337	1.12	|QV				
1+50	0.1414	1.12	|QV				
1+55	0.1490	1.12	|QV				
2+ 0	0.1568	1.13	|QV				
2+ 5	0.1650	1.19	|QV				
2+10	0.1730	1.16	|QV				
2+15	0.1814	1.22	|Q V				
2+20	0.1900	1.24	|Q V				
2+25	0.1986	1.25	|Q V				
2+30	0.2072	1.25	|Q V				
2+35	0.2159	1.26	|Q V				
2+40	0.2245	1.26	|Q V				
2+45	0.2333	1.27	|Q V				
2+50	0.2425	1.35	|Q V				
2+55	0.2520	1.38	|Q V				
3+ 0	0.2616	1.39	|Q V				
3+ 5	0.2712	1.39	|Q V				
3+10	0.2810	1.42	|Q V				
3+15	0.2917	1.56	| Q V				
3+20	0.3027	1.61	| Q V				
3+25	0.3145	1.71	| Q V				
3+30	0.3294	2.16	| Q V				

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   3+35      0.3484     2.76  |  Q  V   |         |         |         |
   3+40      0.3714     3.34  |   Q V   |         |         |         |
   3+45      0.3966     3.65  |   Q V   |         |         |         |
   3+50      0.4250     4.12  |    Q V  |         |         |         |
   3+55      0.4552     4.38  |    Q V  |         |         |         |
   4+ 0      0.4885     4.83  |     Q V |         |         |         |
   4+ 5      0.5235     5.09  |     Q  V|         |         |         |
   4+10      0.5621     5.61  |      Q V|         |         |         |
   4+15      0.6051     6.24  |       Q V         |         |         |
   4+20      0.6526     6.90  |        Q|V        |         |         |
   4+25      0.7049     7.59  |         Q V       |         |         |
   4+30      0.7614     8.21  |         Q  V      |         |         |
   4+35      0.8201     8.53  |         |Q  V     |         |         |
   4+40      0.8827     9.08  |         | Q  V    |         |         |
   4+45      0.9496     9.72  |         | Q   V   |         |         |
   4+50      1.0206    10.31  |         |  Q   V  |         |         |
   4+55      1.0938    10.63  |         |   Q   V |         |         |
   5+ 0      1.1708    11.18  |         |   Q     V         |         |
   5+ 5      1.2543    12.12  |         |     Q   |V        |         |
   5+10      1.3547    14.58  |         |        Q|  V      |         |
   5+15      1.4752    17.50  |         |         |  Q V    |         |
   5+20      1.6123    19.92  |         |         |    QV   |         |
   5+25      1.7659    22.30  |         |         |       QV          |
   5+30      1.9426    25.65  |         |         |         |  VQ     |
   5+35      2.1300    27.21  |         |         |         |    Q    |
   5+40      2.2306    14.61  |         |        Q|         |      V  |
   5+45      2.2765     6.67  |       Q |         |         |        V|
   5+50      2.2987     3.22  |   Q     |         |         |        V|
   5+55      2.3100     1.64  | Q       |         |         |        V|
   6+ 0      2.3166     0.95  |Q        |         |         |        V|
   6+ 5      2.3204     0.55  Q         |         |         |        V|
   6+10      2.3216     0.17  Q         |         |         |        V|
   6+15      2.3220     0.06  Q         |         |         |        V|
   6+20      2.3221     0.02  Q         |         |         |        V|
   6+25      2.3222     0.01  Q         |         |         |        V|
   6+30      2.3222     0.00  Q         |         |         |        V|
   6+35      2.3222     0.00  Q         |         |         |        V|
-------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP3B24100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      20.75(Ac.)  =      0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      20.75(Ac.)  =
0.032 Sq. Mi.
Length along longest watercourse =    1749.00(Ft.)
Length along longest watercourse measured to centroid =     765.00(Ft.)
Length along longest watercourse =      0.331 Mi.
Length along longest watercourse measured to centroid =      0.145 Mi.
Difference in elevation =      79.00(Ft.)
Slope along watercourse =    238.4906 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.094 Hr.
Lag time =     5.62 Min.
25% of lag time =     1.40 Min.
40% of lag time =     2.25 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.75              2.45                   50.84

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.75              6.08                  126.16

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     9.730           65.00          0.120
     3.800           77.00          0.120
     7.220           82.00          0.120
 Total Area Entered =     20.75(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
65.0  65.0      0.416     0.120        0.371       0.469      0.174
77.0  77.0      0.279     0.120        0.249       0.183      0.046
82.0  82.0      0.221     0.120        0.197       0.348      0.069
                                                 Sum (F) =   0.288
Area averaged mean soil loss (F) (In/Hr) =  0.288
Minimum soil loss rate ((In/Hr)) =  0.144
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.800
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083         89.004         11.024              2.305
    2   0.167        178.008         53.095             11.103
    3   0.250        267.012         21.136              4.420
    4   0.333        356.016          8.689              1.817
    5   0.417        445.020          3.763              0.787
    6   0.500        534.024          1.161              0.243
    7   0.583        623.028          0.650              0.136
    8   0.667        712.032          0.481              0.101
                              Sum = 100.000   Sum=      20.912
--------------------------------------------------------------------------


 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
   1   0.08     0.07      0.049       (  0.511)      0.039        0.010
   2   0.17     0.07      0.049       (  0.509)      0.039        0.010
   3   0.25     0.07      0.049       (  0.507)      0.039        0.010
   4   0.33     0.10      0.073       (  0.505)      0.058        0.015
   5   0.42     0.10      0.073       (  0.503)      0.058        0.015
   6   0.50     0.10      0.073       (  0.501)      0.058        0.015
   7   0.58     0.10      0.073       (  0.499)      0.058        0.015
   8   0.67     0.10      0.073       (  0.497)      0.058        0.015
   9   0.75     0.10      0.073       (  0.495)      0.058        0.015
  10   0.83     0.13      0.097       (  0.493)      0.078        0.019
  11   0.92     0.13      0.097       (  0.491)      0.078        0.019
```

12	1.00	0.13	0.097	(0.490)	0.078	0.019
13	1.08	0.10	0.073	(0.488)	0.058	0.015
14	1.17	0.10	0.073	(0.486)	0.058	0.015
15	1.25	0.10	0.073	(0.484)	0.058	0.015
16	1.33	0.10	0.073	(0.482)	0.058	0.015
17	1.42	0.10	0.073	(0.480)	0.058	0.015
18	1.50	0.10	0.073	(0.478)	0.058	0.015
19	1.58	0.10	0.073	(0.476)	0.058	0.015
20	1.67	0.10	0.073	(0.474)	0.058	0.015
21	1.75	0.10	0.073	(0.472)	0.058	0.015
22	1.83	0.13	0.097	(0.470)	0.078	0.019
23	1.92	0.13	0.097	(0.468)	0.078	0.019
24	2.00	0.13	0.097	(0.467)	0.078	0.019
25	2.08	0.13	0.097	(0.465)	0.078	0.019
26	2.17	0.13	0.097	(0.463)	0.078	0.019
27	2.25	0.13	0.097	(0.461)	0.078	0.019
28	2.33	0.13	0.097	(0.459)	0.078	0.019
29	2.42	0.13	0.097	(0.457)	0.078	0.019
30	2.50	0.13	0.097	(0.455)	0.078	0.019
31	2.58	0.17	0.122	(0.453)	0.097	0.024
32	2.67	0.17	0.122	(0.452)	0.097	0.024
33	2.75	0.17	0.122	(0.450)	0.097	0.024
34	2.83	0.17	0.122	(0.448)	0.097	0.024
35	2.92	0.17	0.122	(0.446)	0.097	0.024
36	3.00	0.17	0.122	(0.444)	0.097	0.024
37	3.08	0.17	0.122	(0.442)	0.097	0.024
38	3.17	0.17	0.122	(0.441)	0.097	0.024
39	3.25	0.17	0.122	(0.439)	0.097	0.024
40	3.33	0.17	0.122	(0.437)	0.097	0.024
41	3.42	0.17	0.122	(0.435)	0.097	0.024
42	3.50	0.17	0.122	(0.433)	0.097	0.024
43	3.58	0.17	0.122	(0.431)	0.097	0.024
44	3.67	0.17	0.122	(0.430)	0.097	0.024
45	3.75	0.17	0.122	(0.428)	0.097	0.024
46	3.83	0.20	0.146	(0.426)	0.117	0.029
47	3.92	0.20	0.146	(0.424)	0.117	0.029
48	4.00	0.20	0.146	(0.422)	0.117	0.029
49	4.08	0.20	0.146	(0.421)	0.117	0.029
50	4.17	0.20	0.146	(0.419)	0.117	0.029
51	4.25	0.20	0.146	(0.417)	0.117	0.029
52	4.33	0.23	0.170	(0.415)	0.136	0.034
53	4.42	0.23	0.170	(0.413)	0.136	0.034
54	4.50	0.23	0.170	(0.412)	0.136	0.034
55	4.58	0.23	0.170	(0.410)	0.136	0.034
56	4.67	0.23	0.170	(0.408)	0.136	0.034
57	4.75	0.23	0.170	(0.406)	0.136	0.034
58	4.83	0.27	0.195	(0.405)	0.156	0.039
59	4.92	0.27	0.195	(0.403)	0.156	0.039
60	5.00	0.27	0.195	(0.401)	0.156	0.039
61	5.08	0.20	0.146	(0.399)	0.117	0.029
62	5.17	0.20	0.146	(0.398)	0.117	0.029
63	5.25	0.20	0.146	(0.396)	0.117	0.029
64	5.33	0.23	0.170	(0.394)	0.136	0.034
65	5.42	0.23	0.170	(0.392)	0.136	0.034
66	5.50	0.23	0.170	(0.391)	0.136	0.034
67	5.58	0.27	0.195	(0.389)	0.156	0.039
68	5.67	0.27	0.195	(0.387)	0.156	0.039
69	5.75	0.27	0.195	(0.386)	0.156	0.039
70	5.83	0.27	0.195	(0.384)	0.156	0.039
71	5.92	0.27	0.195	(0.382)	0.156	0.039
72	6.00	0.27	0.195	(0.381)	0.156	0.039
73	6.08	0.30	0.219	(0.379)	0.175	0.044
74	6.17	0.30	0.219	(0.377)	0.175	0.044
75	6.25	0.30	0.219	(0.375)	0.175	0.044
76	6.33	0.30	0.219	(0.374)	0.175	0.044
77	6.42	0.30	0.219	(0.372)	0.175	0.044
78	6.50	0.30	0.219	(0.370)	0.175	0.044
79	6.58	0.33	0.243	(0.369)	0.195	0.049
80	6.67	0.33	0.243	(0.367)	0.195	0.049
81	6.75	0.33	0.243	(0.365)	0.195	0.049
82	6.83	0.33	0.243	(0.364)	0.195	0.049
83	6.92	0.33	0.243	(0.362)	0.195	0.049
84	7.00	0.33	0.243	(0.361)	0.195	0.049
85	7.08	0.33	0.243	(0.359)	0.195	0.049
86	7.17	0.33	0.243	(0.357)	0.195	0.049
87	7.25	0.33	0.243	(0.356)	0.195	0.049
88	7.33	0.37	0.268	(0.354)	0.214	0.054
89	7.42	0.37	0.268	(0.352)	0.214	0.054
90	7.50	0.37	0.268	(0.351)	0.214	0.054
91	7.58	0.40	0.292	(0.349)	0.233	0.058
92	7.67	0.40	0.292	(0.348)	0.233	0.058
93	7.75	0.40	0.292	(0.346)	0.233	0.058
94	7.83	0.43	0.316	(0.344)	0.253	0.063
95	7.92	0.43	0.316	(0.343)	0.253	0.063
96	8.00	0.43	0.316	(0.341)	0.253	0.063
97	8.08	0.50	0.365	(0.340)	0.292	0.073
98	8.17	0.50	0.365	(0.338)	0.292	0.073
99	8.25	0.50	0.365	(0.336)	0.292	0.073
100	8.33	0.50	0.365	(0.335)	0.292	0.073
101	8.42	0.50	0.365	(0.333)	0.292	0.073
102	8.50	0.50	0.365	(0.332)	0.292	0.073
103	8.58	0.53	0.389	(0.330)	0.311	0.078
104	8.67	0.53	0.389	(0.329)	0.311	0.078
105	8.75	0.53	0.389	(0.327)	0.311	0.078
106	8.83	0.57	0.413	0.326	(0.331)	0.088
107	8.92	0.57	0.413	0.324	(0.331)	0.089
108	9.00	0.57	0.413	0.322	(0.331)	0.091
109	9.08	0.63	0.462	0.321	(0.370)	0.141
110	9.17	0.63	0.462	0.319	(0.370)	0.143
111	9.25	0.63	0.462	0.318	(0.370)	0.144
112	9.33	0.67	0.486	0.316	(0.389)	0.170
113	9.42	0.67	0.486	0.315	(0.389)	0.171
114	9.50	0.67	0.486	0.313	(0.389)	0.173
115	9.58	0.70	0.511	0.312	(0.409)	0.199
116	9.67	0.70	0.511	0.310	(0.409)	0.200
117	9.75	0.70	0.511	0.309	(0.409)	0.202
118	9.83	0.73	0.535	0.307	(0.428)	0.228
119	9.92	0.73	0.535	0.306	(0.428)	0.229
120	10.00	0.73	0.535	0.304	(0.428)	0.231
121	10.08	0.50	0.365	(0.303)	0.292	0.073
122	10.17	0.50	0.365	(0.302)	0.292	0.073
123	10.25	0.50	0.365	(0.300)	0.292	0.073
124	10.33	0.50	0.365	(0.299)	0.292	0.073
125	10.42	0.50	0.365	(0.297)	0.292	0.073
126	10.50	0.50	0.365	(0.296)	0.292	0.073
127	10.58	0.67	0.486	0.294	(0.389)	0.192
128	10.67	0.67	0.486	0.293	(0.389)	0.194
129	10.75	0.67	0.486	0.291	(0.389)	0.195
130	10.83	0.67	0.486	0.290	(0.389)	0.196
131	10.92	0.67	0.486	0.289	(0.389)	0.198
132	11.00	0.67	0.486	0.287	(0.389)	0.199
133	11.08	0.63	0.462	0.286	(0.370)	0.176
134	11.17	0.63	0.462	0.284	(0.370)	0.178
135	11.25	0.63	0.462	0.283	(0.370)	0.179

136	11.33	0.63	0.462	0.281	(0.370)	0.181
137	11.42	0.63	0.462	0.280	(0.370)	0.182
138	11.50	0.63	0.462	0.279	(0.370)	0.183
139	11.58	0.57	0.413	0.277	(0.331)	0.136
140	11.67	0.57	0.413	0.276	(0.331)	0.137
141	11.75	0.57	0.413	0.275	(0.331)	0.139
142	11.83	0.60	0.438	0.273	(0.350)	0.165
143	11.92	0.60	0.438	0.272	(0.350)	0.166
144	12.00	0.60	0.438	0.270	(0.350)	0.167
145	12.08	0.83	0.608	0.269	(0.486)	0.339
146	12.17	0.83	0.608	0.268	(0.486)	0.340
147	12.25	0.83	0.608	0.266	(0.486)	0.342
148	12.33	0.87	0.632	0.265	(0.506)	0.367
149	12.42	0.87	0.632	0.264	(0.506)	0.369
150	12.50	0.87	0.632	0.262	(0.506)	0.370
151	12.58	0.93	0.681	0.261	(0.545)	0.420
152	12.67	0.93	0.681	0.260	(0.545)	0.421
153	12.75	0.93	0.681	0.258	(0.545)	0.422
154	12.83	0.97	0.705	0.257	(0.564)	0.448
155	12.92	0.97	0.705	0.256	(0.564)	0.449
156	13.00	0.97	0.705	0.255	(0.564)	0.451
157	13.08	1.13	0.827	0.253	(0.661)	0.574
158	13.17	1.13	0.827	0.252	(0.661)	0.575
159	13.25	1.13	0.827	0.251	(0.661)	0.576
160	13.33	1.13	0.827	0.249	(0.661)	0.577
161	13.42	1.13	0.827	0.248	(0.661)	0.579
162	13.50	1.13	0.827	0.247	(0.661)	0.580
163	13.58	0.77	0.559	0.246	(0.447)	0.314
164	13.67	0.77	0.559	0.244	(0.447)	0.315
165	13.75	0.77	0.559	0.243	(0.447)	0.316
166	13.83	0.77	0.559	0.242	(0.447)	0.317
167	13.92	0.77	0.559	0.241	(0.447)	0.319
168	14.00	0.77	0.559	0.239	(0.447)	0.320
169	14.08	0.90	0.657	0.238	(0.525)	0.418
170	14.17	0.90	0.657	0.237	(0.525)	0.420
171	14.25	0.90	0.657	0.236	(0.525)	0.421
172	14.33	0.87	0.632	0.235	(0.506)	0.398
173	14.42	0.87	0.632	0.233	(0.506)	0.399
174	14.50	0.87	0.632	0.232	(0.506)	0.400
175	14.58	0.87	0.632	0.231	(0.506)	0.401
176	14.67	0.87	0.632	0.230	(0.506)	0.402
177	14.75	0.87	0.632	0.229	(0.506)	0.404
178	14.83	0.83	0.608	0.227	(0.486)	0.380
179	14.92	0.83	0.608	0.226	(0.486)	0.382
180	15.00	0.83	0.608	0.225	(0.486)	0.383
181	15.08	0.80	0.584	0.224	(0.467)	0.360
182	15.17	0.80	0.584	0.223	(0.467)	0.361
183	15.25	0.80	0.584	0.222	(0.467)	0.362
184	15.33	0.77	0.559	0.221	(0.447)	0.339
185	15.42	0.77	0.559	0.219	(0.447)	0.340
186	15.50	0.77	0.559	0.218	(0.447)	0.341
187	15.58	0.63	0.462	0.217	(0.370)	0.245
188	15.67	0.63	0.462	0.216	(0.370)	0.246
189	15.75	0.63	0.462	0.215	(0.370)	0.247
190	15.83	0.63	0.462	0.214	(0.370)	0.248
191	15.92	0.63	0.462	0.213	(0.370)	0.249
192	16.00	0.63	0.462	0.212	(0.370)	0.250
193	16.08	0.13	0.097	(0.211)	0.078	0.019
194	16.17	0.13	0.097	(0.210)	0.078	0.019
195	16.25	0.13	0.097	(0.208)	0.078	0.019
196	16.33	0.13	0.097	(0.207)	0.078	0.019
197	16.42	0.13	0.097	(0.206)	0.078	0.019
198	16.50	0.13	0.097	(0.205)	0.078	0.019
199	16.58	0.10	0.073	(0.204)	0.058	0.015
200	16.67	0.10	0.073	(0.203)	0.058	0.015
201	16.75	0.10	0.073	(0.202)	0.058	0.015
202	16.83	0.10	0.073	(0.201)	0.058	0.015
203	16.92	0.10	0.073	(0.200)	0.058	0.015
204	17.00	0.10	0.073	(0.199)	0.058	0.015
205	17.08	0.17	0.122	(0.198)	0.097	0.024
206	17.17	0.17	0.122	(0.197)	0.097	0.024
207	17.25	0.17	0.122	(0.196)	0.097	0.024
208	17.33	0.17	0.122	(0.195)	0.097	0.024
209	17.42	0.17	0.122	(0.194)	0.097	0.024
210	17.50	0.17	0.122	(0.193)	0.097	0.024
211	17.58	0.17	0.122	(0.192)	0.097	0.024
212	17.67	0.17	0.122	(0.191)	0.097	0.024
213	17.75	0.17	0.122	(0.190)	0.097	0.024
214	17.83	0.13	0.097	(0.189)	0.078	0.019
215	17.92	0.13	0.097	(0.188)	0.078	0.019
216	18.00	0.13	0.097	(0.188)	0.078	0.019
217	18.08	0.13	0.097	(0.187)	0.078	0.019
218	18.17	0.13	0.097	(0.186)	0.078	0.019
219	18.25	0.13	0.097	(0.185)	0.078	0.019
220	18.33	0.13	0.097	(0.184)	0.078	0.019
221	18.42	0.13	0.097	(0.183)	0.078	0.019
222	18.50	0.13	0.097	(0.182)	0.078	0.019
223	18.58	0.10	0.073	(0.181)	0.058	0.015
224	18.67	0.10	0.073	(0.180)	0.058	0.015
225	18.75	0.10	0.073	(0.179)	0.058	0.015
226	18.83	0.07	0.049	(0.179)	0.039	0.010
227	18.92	0.07	0.049	(0.178)	0.039	0.010
228	19.00	0.07	0.049	(0.177)	0.039	0.010
229	19.08	0.10	0.073	(0.176)	0.058	0.015
230	19.17	0.10	0.073	(0.175)	0.058	0.015
231	19.25	0.10	0.073	(0.174)	0.058	0.015
232	19.33	0.13	0.097	(0.174)	0.078	0.019
233	19.42	0.13	0.097	(0.173)	0.078	0.019
234	19.50	0.13	0.097	(0.172)	0.078	0.019
235	19.58	0.10	0.073	(0.171)	0.058	0.015
236	19.67	0.10	0.073	(0.170)	0.058	0.015
237	19.75	0.10	0.073	(0.170)	0.058	0.015
238	19.83	0.07	0.049	(0.169)	0.039	0.010
239	19.92	0.07	0.049	(0.168)	0.039	0.010
240	20.00	0.07	0.049	(0.167)	0.039	0.010
241	20.08	0.10	0.073	(0.167)	0.058	0.015
242	20.17	0.10	0.073	(0.166)	0.058	0.015
243	20.25	0.10	0.073	(0.165)	0.058	0.015
244	20.33	0.10	0.073	(0.165)	0.058	0.015
245	20.42	0.10	0.073	(0.164)	0.058	0.015
246	20.50	0.10	0.073	(0.163)	0.058	0.015
247	20.58	0.10	0.073	(0.162)	0.058	0.015
248	20.67	0.10	0.073	(0.162)	0.058	0.015
249	20.75	0.10	0.073	(0.161)	0.058	0.015
250	20.83	0.07	0.049	(0.160)	0.039	0.010
251	20.92	0.07	0.049	(0.160)	0.039	0.010
252	21.00	0.07	0.049	(0.159)	0.039	0.010
253	21.08	0.10	0.073	(0.158)	0.058	0.015
254	21.17	0.10	0.073	(0.158)	0.058	0.015
255	21.25	0.10	0.073	(0.157)	0.058	0.015
256	21.33	0.07	0.049	(0.157)	0.039	0.010
257	21.42	0.07	0.049	(0.156)	0.039	0.010
258	21.50	0.07	0.049	(0.155)	0.039	0.010
259	21.58	0.10	0.073	(0.155)	0.058	0.015

260	21.67	0.10	0.073	(0.154)	0.058	0.015
261	21.75	0.10	0.073	(0.154)	0.058	0.015
262	21.83	0.07	0.049	(0.153)	0.039	0.010
263	21.92	0.07	0.049	(0.153)	0.039	0.010
264	22.00	0.07	0.049	(0.152)	0.039	0.010
265	22.08	0.10	0.073	(0.152)	0.058	0.015
266	22.17	0.10	0.073	(0.151)	0.058	0.015
267	22.25	0.10	0.073	(0.151)	0.058	0.015
268	22.33	0.07	0.049	(0.150)	0.039	0.010
269	22.42	0.07	0.049	(0.150)	0.039	0.010
270	22.50	0.07	0.049	(0.149)	0.039	0.010
271	22.58	0.07	0.049	(0.149)	0.039	0.010
272	22.67	0.07	0.049	(0.149)	0.039	0.010
273	22.75	0.07	0.049	(0.148)	0.039	0.010
274	22.83	0.07	0.049	(0.148)	0.039	0.010
275	22.92	0.07	0.049	(0.147)	0.039	0.010
276	23.00	0.07	0.049	(0.147)	0.039	0.010
277	23.08	0.07	0.049	(0.147)	0.039	0.010
278	23.17	0.07	0.049	(0.146)	0.039	0.010
279	23.25	0.07	0.049	(0.146)	0.039	0.010
280	23.33	0.07	0.049	(0.146)	0.039	0.010
281	23.42	0.07	0.049	(0.145)	0.039	0.010
282	23.50	0.07	0.049	(0.145)	0.039	0.010
283	23.58	0.07	0.049	(0.145)	0.039	0.010
284	23.67	0.07	0.049	(0.145)	0.039	0.010
285	23.75	0.07	0.049	(0.145)	0.039	0.010
286	23.83	0.07	0.049	(0.144)	0.039	0.010
287	23.92	0.07	0.049	(0.144)	0.039	0.010
288	24.00	0.07	0.049	(0.144)	0.039	0.010

(Loss Rate Not Used)

Sum = 100.0 Sum = 29.7

Flood volume = Effective rainfall 2.47(In)
times area 20.8(Ac.)/[(In)/(Ft.)] = 4.3(Ac.Ft)
Total soil loss = 3.61(In)
Total soil loss = 6.239(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 186157.7 Cubic Feet
Total soil loss = 271784.6 Cubic Feet

Peak flow rate of this hydrograph = 12.065(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0002	0.02	Q				
0+10	0.0011	0.13	Q				
0+15	0.0022	0.17	Q				
0+20	0.0036	0.20	Q				
0+25	0.0055	0.26	Q				
0+30	0.0074	0.29	Q				
0+35	0.0095	0.30	Q				
0+40	0.0116	0.30	Q				
0+45	0.0137	0.30	Q				
0+50	0.0159	0.32	Q				
0+55	0.0184	0.37	Q				
1+ 0	0.0211	0.39	Q				
1+ 5	0.0238	0.39	Q				
1+10	0.0261	0.34	Q				
1+15	0.0283	0.32	Q				
1+20	0.0305	0.31	Q				
1+25	0.0326	0.31	Q				
1+30	0.0347	0.31	Q				
1+35	0.0368	0.31	Q				
1+40	0.0389	0.31	Q				
1+45	0.0410	0.31	Q				
1+50	0.0432	0.32	Q				
1+55	0.0457	0.37	Q				
2+ 0	0.0484	0.39	Q				
2+ 5	0.0512	0.40	Q				
2+10	0.0540	0.40	Q				
2+15	0.0568	0.41	Q				
2+20	0.0596	0.41	Q				
2+25	0.0624	0.41	Q				
2+30	0.0652	0.41	Q				
2+35	0.0681	0.42	Q				
2+40	0.0713	0.47	Q				
2+45	0.0747	0.49	Q				
2+50	0.0782	0.50	VQ				
2+55	0.0817	0.51	VQ				
3+ 0	0.0852	0.51	VQ				
3+ 5	0.0887	0.51	VQ				
3+10	0.0922	0.51	VQ				
3+15	0.0957	0.51	VQ				
3+20	0.0992	0.51	VQ				
3+25	0.1027	0.51	VQ				
3+30	0.1062	0.51	VQ				
3+35	0.1097	0.51	|Q				
3+40	0.1132	0.51	|Q				
3+45	0.1167	0.51	|Q				
3+50	0.1203	0.52	|Q				
3+55	0.1242	0.57	|Q				
4+ 0	0.1283	0.60	|Q				
4+ 5	0.1325	0.60	|Q				
4+10	0.1367	0.61	|Q				
4+15	0.1409	0.61	|Q				
4+20	0.1452	0.62	|Q				
4+25	0.1498	0.68	|Q				
4+30	0.1546	0.70	|Q				
4+35	0.1595	0.71	|Q				
4+40	0.1644	0.71	|Q				
4+45	0.1693	0.71	|Q				
4+50	0.1743	0.72	|Q				
4+55	0.1796	0.78	|Q				
5+ 0	0.1851	0.80	|Q				
5+ 5	0.1905	0.79	|Q				
5+10	0.1952	0.68	|Q				
5+15	0.1996	0.64	|Q				
5+20	0.2040	0.63	|Q				
5+25	0.2087	0.68	|Q				
5+30	0.2135	0.70	|Q				
5+35	0.2184	0.72	|QV				
5+40	0.2238	0.78	|QV				
5+45	0.2293	0.80	|QV				
5+50	0.2348	0.81	|QV				
5+55	0.2404	0.81	|QV				
6+ 0	0.2460	0.81	|QV				
6+ 5	0.2517	0.82	|QV				
6+10	0.2578	0.88	|QV				

6+15	0.2640	0.90	QV
6+20	0.2702	0.91	QV
6+25	0.2765	0.91	QV
6+30	0.2828	0.91	QV
6+35	0.2892	0.93	QV
6+40	0.2960	0.98	QV
6+45	0.3029	1.00	Q
6+50	0.3098	1.01	Q
6+55	0.3168	1.02	Q
7+ 0	0.3238	1.02	QV
7+ 5	0.3308	1.02	QV
7+10	0.3378	1.02	QV
7+15	0.3449	1.02	QV
7+20	0.3519	1.03	QV
7+25	0.3594	1.08	QV
7+30	0.3670	1.10	QV
7+35	0.3747	1.12	QV
7+40	0.3829	1.18	QV
7+45	0.3912	1.21	QV
7+50	0.3996	1.23	QV
7+55	0.4085	1.28	QV
8+ 0	0.4175	1.31	QV
8+ 5	0.4267	1.34	QV
8+10	0.4367	1.45	Q V
8+15	0.4470	1.50	Q V
8+20	0.4574	1.51	QV
8+25	0.4679	1.52	QV
8+30	0.4784	1.52	QV
8+35	0.4890	1.54	QV
8+40	0.4999	1.59	QV
8+45	0.5110	1.61	QV
8+50	0.5224	1.65	QV
8+55	0.5345	1.76	Q V
9+ 0	0.5471	1.83	Q V
9+ 5	0.5608	1.99	Q V
9+10	0.5785	2.57	Q
9+15	0.5979	2.82	Q
9+20	0.6185	2.99	Q
9+25	0.6415	3.34	Q
9+30	0.6655	3.49	Q
9+35	0.6905	3.62	VQ
9+40	0.7177	3.95	VQ
9+45	0.7459	4.09	V Q
9+50	0.7750	4.23	VQ
9+55	0.8064	4.55	V Q
10+ 0	0.8387	4.70	V Q
10+ 5	0.8691	4.41	Q
10+10	0.8876	2.69	Q V
10+15	0.9014	2.00	Q V
10+20	0.9133	1.72	Q V
10+25	0.9243	1.60	Q V
10+30	0.9351	1.56	Q V
10+35	0.9476	1.82	Q V
10+40	0.9691	3.13	Q V
10+45	0.9944	3.68	Q V
10+50	1.0214	3.92	Q V
10+55	1.0492	4.04	QV
11+ 0	1.0775	4.10	Q V
11+ 5	1.1056	4.09	Q V
11+10	1.1322	3.86	Q V
11+15	1.1582	3.78	Q V
11+20	1.1841	3.77	Q V
11+25	1.2102	3.78	Q V
11+30	1.2363	3.80	Q V
11+35	1.2619	3.71	Q V
11+40	1.2839	3.20	Q V
11+45	1.3047	3.01	Q V
11+50	1.3254	3.01	Q V
11+55	1.3479	3.27	Q V
12+ 0	1.3713	3.39	Q V
12+ 5	1.3978	3.85	Q V
12+10	1.4376	5.79	Q V
12+15	1.4829	6.57	Q
12+20	1.5309	6.97	QV
12+25	1.5819	7.40	Q
12+30	1.6341	7.58	Q
12+35	1.6878	7.79	Q
12+40	1.7456	8.39	Q
12+45	1.8051	8.64	VQ
12+50	1.8658	8.82	Q
12+55	1.9289	9.16	Q
13+ 0	1.9929	9.30	Q
13+ 5	2.0595	9.66	Q
13+10	2.1357	11.06	V Q
13+15	2.2158	11.63	V Q
13+20	2.2976	11.88	V Q
13+25	2.3803	12.01	V Q
13+30	2.4634	12.07	VQ
13+35	2.5426	11.49	QV
13+40	2.6015	8.56	Q V
13+45	2.6525	7.40	Q V
13+50	2.7003	6.94	Q V
13+55	2.7468	6.76	Q V
14+ 0	2.7931	6.72	Q V
14+ 5	2.8408	6.93	Q V
14+10	2.8960	8.01	Q V
14+15	2.9543	8.47	Q V
14+20	3.0136	8.61	Q V
14+25	3.0717	8.44	Q V
14+30	3.1295	8.39	Q V
14+35	3.1872	8.38	Q V
14+40	3.2450	8.39	Q V
14+45	3.3030	8.41	Q V
14+50	3.3607	8.38	Q V
14+55	3.4167	8.13	Q V
15+ 0	3.4721	8.05	Q V
15+ 5	3.5270	7.97	Q V
15+10	3.5801	7.71	Q V
15+15	3.6325	7.62	Q V
15+20	3.6845	7.54	Q V
15+25	3.7345	7.27	Q V
15+30	3.7840	7.18	Q V
15+35	3.8317	6.93	Q V
15+40	3.8720	5.85	Q V
15+45	3.9095	5.44	Q V
15+50	3.9459	5.28	Q V
15+55	3.9819	5.23	Q V
16+ 0	4.0179	5.23	Q V
16+ 5	4.0503	4.70	Q V
16+10	4.0650	2.13	Q V
16+15	4.0727	1.12	Q V
16+20	4.0775	0.70	Q V
16+25	4.0810	0.52	Q V
16+30	4.0842	0.46	Q V

16+35	4.0871	0.42	Q	|	|	|	V |
16+40	4.0895	0.34	Q	|	|	|	V |
16+45	4.0917	0.32	Q	|	|	|	V |
16+50	4.0938	0.31	Q	|	|	|	V |
16+55	4.0959	0.31	Q	|	|	|	V |
17+ 0	4.0980	0.31	Q	|	|	|	V |
17+ 5	4.1003	0.33	Q	|	|	|	V |
17+10	4.1033	0.44	Q	|	|	|	V |
17+15	4.1066	0.48	Q	|	|	|	V |
17+20	4.1100	0.50	Q	|	|	|	V |
17+25	4.1135	0.50	|Q	|	|	|	V |
17+30	4.1170	0.51	|Q	|	|	|	V |
17+35	4.1205	0.51	|Q	|	|	|	V |
17+40	4.1240	0.51	|Q	|	|	|	V |
17+45	4.1275	0.51	|Q	|	|	|	V |
17+50	4.1309	0.50	Q	|	|	|	V |
17+55	4.1340	0.44	Q	|	|	|	V |
18+ 0	4.1369	0.42	Q	|	|	|	V |
18+ 5	4.1397	0.41	Q	|	|	|	V |
18+10	4.1425	0.41	Q	|	|	|	V |
18+15	4.1453	0.41	Q	|	|	|	V |
18+20	4.1482	0.41	Q	|	|	|	V |
18+25	4.1510	0.41	Q	|	|	|	V |
18+30	4.1538	0.41	Q	|	|	|	V |
18+35	4.1565	0.40	Q	|	|	|	V |
18+40	4.1588	0.34	Q	|	|	|	V |
18+45	4.1610	0.32	Q	|	|	|	V |
18+50	4.1631	0.30	Q	|	|	|	V |
18+55	4.1648	0.24	Q	|	|	|	V |
19+ 0	4.1663	0.22	Q	|	|	|	V |
19+ 5	4.1678	0.22	Q	|	|	|	V|
19+10	4.1697	0.27	Q	|	|	|	V|
19+15	4.1717	0.29	Q	|	|	|	V|
19+20	4.1738	0.31	Q	|	|	|	V|
19+25	4.1764	0.37	Q	|	|	|	V|
19+30	4.1791	0.39	Q	|	|	|	V|
19+35	4.1817	0.39	Q	|	|	|	V|
19+40	4.1841	0.34	Q	|	|	|	V|
19+45	4.1863	0.32	Q	|	|	|	V|
19+50	4.1883	0.30	Q	|	|	|	V|
19+55	4.1900	0.24	Q	|	|	|	V|
20+ 0	4.1915	0.22	Q	|	|	|	V|
20+ 5	4.1930	0.22	Q	|	|	|	V|
20+10	4.1949	0.27	Q	|	|	|	V|
20+15	4.1969	0.29	Q	|	|	|	V|
20+20	4.1990	0.30	Q	|	|	|	V|
20+25	4.2011	0.30	Q	|	|	|	V|
20+30	4.2032	0.30	Q	|	|	|	V|
20+35	4.2053	0.30	Q	|	|	|	V|
20+40	4.2074	0.31	Q	|	|	|	V|
20+45	4.2095	0.31	Q	|	|	|	V|
20+50	4.2115	0.29	Q	|	|	|	V|
20+55	4.2132	0.24	Q	|	|	|	V|
21+ 0	4.2147	0.22	Q	|	|	|	V|
21+ 5	4.2162	0.22	Q	|	|	|	V|
21+10	4.2180	0.27	Q	|	|	|	V|
21+15	4.2201	0.29	Q	|	|	|	V|
21+20	4.2220	0.29	Q	|	|	|	V|
21+25	4.2237	0.24	Q	|	|	|	V|
21+30	4.2252	0.22	Q	|	|	|	V|
21+35	4.2267	0.22	Q	|	|	|	V|
21+40	4.2286	0.27	Q	|	|	|	V|
21+45	4.2306	0.29	Q	|	|	|	V|
21+50	4.2326	0.29	Q	|	|	|	V|
21+55	4.2342	0.24	Q	|	|	|	V|
22+ 0	4.2357	0.22	Q	|	|	|	V|
22+ 5	4.2372	0.22	Q	|	|	|	V|
22+10	4.2391	0.27	Q	|	|	|	V|
22+15	4.2411	0.29	Q	|	|	|	V|
22+20	4.2431	0.29	Q	|	|	|	V|
22+25	4.2447	0.24	Q	|	|	|	V|
22+30	4.2462	0.22	Q	|	|	|	V|
22+35	4.2476	0.21	Q	|	|	|	V|
22+40	4.2491	0.21	Q	|	|	|	V|
22+45	4.2505	0.20	Q	|	|	|	V|
22+50	4.2519	0.20	Q	|	|	|	V|
22+55	4.2533	0.20	Q	|	|	|	V|
23+ 0	4.2547	0.20	Q	|	|	|	V|
23+ 5	4.2561	0.20	Q	|	|	|	V|
23+10	4.2575	0.20	Q	|	|	|	V|
23+15	4.2589	0.20	Q	|	|	|	V|
23+20	4.2603	0.20	Q	|	|	|	V|
23+25	4.2617	0.20	Q	|	|	|	V|
23+30	4.2631	0.20	Q	|	|	|	V|
23+35	4.2645	0.20	Q	|	|	|	V|
23+40	4.2659	0.20	Q	|	|	|	V|
23+45	4.2673	0.20	Q	|	|	|	V|
23+50	4.2687	0.20	Q	|	|	|	V|
23+55	4.2701	0.20	Q	|	|	|	V|
24+ 0	4.2715	0.20	Q	|	|	|	V|
24+ 5	4.2727	0.18	Q	|	|	|	V|
24+10	4.2732	0.07	Q	|	|	|	V|
24+15	4.2735	0.03	Q	|	|	|	V|
24+20	4.2735	0.01	Q	|	|	|	V|
24+25	4.2736	0.00	Q	|	|	|	V|
24+30	4.2736	0.00	Q	|	|	|	V|
24+35	4.2736	0.00	Q	|	|	|	V|

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  12/05/24 File: MESAP3C3100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3C
12/5/2024
------------------------------------------------------------------------
Drainage Area =       7.70(Ac.)  =      0.012 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       7.70(Ac.)  =
0.012 Sq. Mi.
Length along longest watercourse =     806.00(Ft.)
Length along longest watercourse measured to centroid =     286.00(Ft.)
Length along longest watercourse =      0.153 Mi.
Length along longest watercourse measured to centroid =      0.054 Mi.
Difference in elevation =     137.00(Ft.)
Slope along watercourse =    897.4690 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.037 Hr.
Lag time =     2.24 Min.
25% of lag time =     0.56 Min.
40% of lag time =     0.90 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.70             0.94                    7.24

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.70             1.97                   15.17

STORM EVENT (YEAR) =  100.00

Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     3.690           70.00          0.000
     0.050           80.00          0.000
     0.180           84.00          0.000
     2.710           65.00          0.120
     0.170           77.00          0.120
     0.900           82.00          0.120
 Total Area Entered =      7.70(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000         0.362        0.479      0.173
80.0  80.0      0.244     0.000         0.244        0.006      0.002
84.0  84.0      0.198     0.000         0.198        0.023      0.005
65.0  65.0      0.416     0.120         0.371        0.352      0.131
77.0  77.0      0.279     0.120         0.249        0.022      0.006
82.0  82.0      0.221     0.120         0.197        0.117      0.023
                                                  Sum (F) =   0.339
Area averaged mean soil loss (F) (In/Hr) =  0.339
Minimum soil loss rate ((In/Hr)) =  0.169
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.860
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        223.351         46.649             3.620
    2   0.167        446.703         47.734             3.704
    3   0.250        670.054          4.960             0.385
    4   0.333        893.405          0.656             0.051
                              Sum = 100.000   Sum=       7.760
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     1.30      0.307       (  0.339)       0.264        0.043
  2   0.17     1.30      0.307       (  0.339)       0.264        0.043
  3   0.25     1.10      0.260       (  0.339)       0.224        0.036
  4   0.33     1.50      0.355       (  0.339)       0.305        0.050
  5   0.42     1.50      0.355       (  0.339)       0.305        0.050
  6   0.50     1.80      0.426          0.339    (  0.366)       0.087
  7   0.58     1.50      0.355       (  0.339)       0.305        0.050
```

8	0.67	1.80	0.426	0.339	(0.366)	0.087
9	0.75	1.80	0.426	0.339	(0.366)	0.087
10	0.83	1.50	0.355	(0.339)	0.305	0.050
11	0.92	1.60	0.378	(0.339)	0.325	0.053
12	1.00	1.80	0.426	0.339	(0.366)	0.087
13	1.08	2.20	0.520	0.339	(0.447)	0.181
14	1.17	2.20	0.520	0.339	(0.447)	0.181
15	1.25	2.20	0.520	0.339	(0.447)	0.181
16	1.33	2.00	0.473	0.339	(0.407)	0.134
17	1.42	2.60	0.615	0.339	(0.529)	0.276
18	1.50	2.70	0.638	0.339	(0.549)	0.299
19	1.58	2.40	0.567	0.339	(0.488)	0.228
20	1.67	2.70	0.638	0.339	(0.549)	0.299
21	1.75	3.30	0.780	0.339	(0.671)	0.441
22	1.83	3.10	0.733	0.339	(0.630)	0.394
23	1.92	2.90	0.686	0.339	(0.590)	0.347
24	2.00	3.00	0.709	0.339	(0.610)	0.370
25	2.08	3.10	0.733	0.339	(0.630)	0.394
26	2.17	4.20	0.993	0.339	(0.854)	0.654
27	2.25	5.00	1.182	0.339	(1.016)	0.843
28	2.33	3.50	0.827	0.339	(0.712)	0.489
29	2.42	6.80	1.607	0.339	(1.382)	1.269
30	2.50	7.30	1.726	0.339	(1.484)	1.387
31	2.58	8.20	1.938	0.339	(1.667)	1.600
32	2.67	5.90	1.395	0.339	(1.199)	1.056
33	2.75	2.00	0.473	0.339	(0.407)	0.134
34	2.83	1.80	0.426	0.339	(0.366)	0.087
35	2.92	1.80	0.426	0.339	(0.366)	0.087
36	3.00	0.60	0.142	(0.339)	0.122	0.020

(Loss Rate Not Used)

Sum = 100.0 Sum = 12.1

Flood volume = Effective rainfall 1.01(In)
times area 7.7(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 0.96(In)
Total soil loss = 0.619(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 28115.6 Cubic Feet
Total soil loss = 26946.0 Cubic Feet

Peak flow rate of this hydrograph = 11.447(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0011	0.16	Q				
0+10	0.0032	0.32	Q				
0+15	0.0054	0.31	Q				
0+20	0.0077	0.33	Q				
0+25	0.0103	0.38	Q				
0+30	0.0139	0.52	VQ				
0+35	0.0175	0.52	|Q				
0+40	0.0211	0.53	|Q				
0+45	0.0257	0.66	|Q				
0+50	0.0294	0.54	|Q				
0+55	0.0322	0.41	QV				
1+ 0	0.0359	0.53	|QV				
1+ 5	0.0428	1.00	| Q				
1+10	0.0522	1.36	| QV				
1+15	0.0618	1.40	| QV				
1+20	0.0703	1.24	| Q V				
1+25	0.0812	1.57	| Q V				
1+30	0.0961	2.17	| QV				
1+35	0.1102	2.05	| Q V				
1+40	0.1244	2.06	| Q V				
1+45	0.1438	2.81	| Q V				
1+50	0.1657	3.19	| Q V				
1+55	0.1857	2.90	| Q |V				
2+ 0	0.2050	2.80	| Q | V				
2+ 5	0.2253	2.95	| Q | V				
2+10	0.2528	3.99	| Q | V				
2+15	0.2917	5.65	| |Q V				
2+20	0.3273	5.17	| Q V				
2+25	0.3739	6.76	| Q | V				
2+30	0.4424	9.96	| Q| V				
2+35	0.5213	11.45	| | Q | V				
2+40	0.5925	10.35	| Q | V				
2+45	0.6276	5.08	| Q | V				
2+50	0.6365	1.30	| Q | V				
2+55	0.6416	0.74	|Q | V				
3+ 0	0.6446	0.43	Q | V				
3+ 5	0.6454	0.11	Q | V				
3+10	0.6454	0.01	Q | V				
3+15	0.6454	0.00	Q | V				

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  12/05/24 File: MESAP3C6100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3C
12/5/2024
------------------------------------------------------------------------
Drainage Area =       7.70(Ac.)  =      0.012 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       7.70(Ac.)  =
0.012 Sq. Mi.
Length along longest watercourse =     806.00(Ft.)
Length along longest watercourse measured to centroid =     286.00(Ft.)
Length along longest watercourse =      0.153 Mi.
Length along longest watercourse measured to centroid =      0.054 Mi.
Difference in elevation =     137.00(Ft.)
Slope along watercourse =    897.4690 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.037 Hr.
Lag time =     2.24 Min.
25% of lag time =     0.56 Min.
40% of lag time =     0.90 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.70             1.35                 10.40

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.70             2.78                 21.41

STORM EVENT (YEAR) =  100.00

Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     3.690           70.00          0.000
     0.050           80.00          0.000
     0.180           84.00          0.000
     2.710           65.00          0.120
     0.170           77.00          0.120
     0.900           82.00          0.120
 Total Area Entered =      7.70(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000         0.362        0.479      0.173
80.0  80.0      0.244     0.000         0.244        0.006      0.002
84.0  84.0      0.198     0.000         0.198        0.023      0.005
65.0  65.0      0.416     0.120         0.371        0.352      0.131
77.0  77.0      0.279     0.120         0.249        0.022      0.006
82.0  82.0      0.221     0.120         0.197        0.117      0.023
                                                  Sum (F) =   0.339
Area averaged mean soil loss (F) (In/Hr) =  0.339
Minimum soil loss rate ((In/Hr)) =  0.169
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.860
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        223.351         46.649              3.620
    2   0.167        446.703         47.734              3.704
    3   0.250        670.054          4.960              0.385
    4   0.333        893.405          0.656              0.051
                               Sum = 100.000   Sum=       7.760
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.50      0.167       (  0.339)       0.143        0.023
  2   0.17     0.60      0.200       (  0.339)       0.172        0.028
  3   0.25     0.60      0.200       (  0.339)       0.172        0.028
  4   0.33     0.60      0.200       (  0.339)       0.172        0.028
  5   0.42     0.60      0.200       (  0.339)       0.172        0.028
  6   0.50     0.70      0.234       (  0.339)       0.201        0.033
  7   0.58     0.70      0.234       (  0.339)       0.201        0.033
```

8	0.67	0.70	0.234	(0.339)	0.201	0.033
9	0.75	0.70	0.234	(0.339)	0.201	0.033
10	0.83	0.70	0.234	(0.339)	0.201	0.033
11	0.92	0.70	0.234	(0.339)	0.201	0.033
12	1.00	0.80	0.267	(0.339)	0.230	0.037
13	1.08	0.80	0.267	(0.339)	0.230	0.037
14	1.17	0.80	0.267	(0.339)	0.230	0.037
15	1.25	0.80	0.267	(0.339)	0.230	0.037
16	1.33	0.80	0.267	(0.339)	0.230	0.037
17	1.42	0.80	0.267	(0.339)	0.230	0.037
18	1.50	0.80	0.267	(0.339)	0.230	0.037
19	1.58	0.80	0.267	(0.339)	0.230	0.037
20	1.67	0.80	0.267	(0.339)	0.230	0.037
21	1.75	0.80	0.267	(0.339)	0.230	0.037
22	1.83	0.80	0.267	(0.339)	0.230	0.037
23	1.92	0.80	0.267	(0.339)	0.230	0.037
24	2.00	0.90	0.300	(0.339)	0.258	0.042
25	2.08	0.80	0.267	(0.339)	0.230	0.037
26	2.17	0.90	0.300	(0.339)	0.258	0.042
27	2.25	0.90	0.300	(0.339)	0.258	0.042
28	2.33	0.90	0.300	(0.339)	0.258	0.042
29	2.42	0.90	0.300	(0.339)	0.258	0.042
30	2.50	0.90	0.300	(0.339)	0.258	0.042
31	2.58	0.90	0.300	(0.339)	0.258	0.042
32	2.67	0.90	0.300	(0.339)	0.258	0.042
33	2.75	1.00	0.334	(0.339)	0.287	0.047
34	2.83	1.00	0.334	(0.339)	0.287	0.047
35	2.92	1.00	0.334	(0.339)	0.287	0.047
36	3.00	1.00	0.334	(0.339)	0.287	0.047
37	3.08	1.00	0.334	(0.339)	0.287	0.047
38	3.17	1.10	0.367	(0.339)	0.316	0.051
39	3.25	1.10	0.367	(0.339)	0.316	0.051
40	3.33	1.10	0.367	(0.339)	0.316	0.051
41	3.42	1.20	0.400	0.339	(0.344)	0.061
42	3.50	1.30	0.434	0.339	(0.373)	0.095
43	3.58	1.40	0.467	0.339	(0.402)	0.128
44	3.67	1.40	0.467	0.339	(0.402)	0.128
45	3.75	1.50	0.500	0.339	(0.430)	0.162
46	3.83	1.50	0.500	0.339	(0.430)	0.162
47	3.92	1.60	0.534	0.339	(0.459)	0.195
48	4.00	1.60	0.534	0.339	(0.459)	0.195
49	4.08	1.70	0.567	0.339	(0.488)	0.228
50	4.17	1.80	0.600	0.339	(0.516)	0.262
51	4.25	1.90	0.634	0.339	(0.545)	0.295
52	4.33	2.00	0.667	0.339	(0.574)	0.328
53	4.42	2.10	0.701	0.339	(0.602)	0.362
54	4.50	2.10	0.701	0.339	(0.602)	0.362
55	4.58	2.20	0.734	0.339	(0.631)	0.395
56	4.67	2.30	0.767	0.339	(0.660)	0.428
57	4.75	2.40	0.801	0.339	(0.689)	0.462
58	4.83	2.40	0.801	0.339	(0.689)	0.462
59	4.92	2.50	0.834	0.339	(0.717)	0.495
60	5.00	2.60	0.867	0.339	(0.746)	0.528
61	5.08	3.10	1.034	0.339	(0.889)	0.695
62	5.17	3.60	1.201	0.339	(1.033)	0.862
63	5.25	3.90	1.301	0.339	(1.119)	0.962
64	5.33	4.20	1.401	0.339	(1.205)	1.062
65	5.42	4.70	1.568	0.339	(1.348)	1.229
66	5.50	5.60	1.868	0.339	(1.607)	1.529
67	5.58	1.90	0.634	0.339	(0.545)	0.295
68	5.67	0.90	0.300	(0.339)	0.258	0.042
69	5.75	0.60	0.200	(0.339)	0.172	0.028
70	5.83	0.50	0.167	(0.339)	0.143	0.023
71	5.92	0.30	0.100	(0.339)	0.086	0.014
72	6.00	0.20	0.067	(0.339)	0.057	0.009

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.0

Flood volume = Effective rainfall 1.17(In)
times area 7.7(Ac.)/[(In)/(Ft.)] = 0.7(Ac.Ft)
Total soil loss = 1.61(In)
Total soil loss = 1.034(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 32668.4 Cubic Feet
Total soil loss = 45033.3 Cubic Feet

Peak flow rate of this hydrograph = 10.552(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0006	0.08	Q				
0+10	0.0019	0.19	Q				
0+15	0.0034	0.21	Q				
0+20	0.0049	0.22	Q				
0+25	0.0063	0.22	Q				
0+30	0.0080	0.23	Q				
0+35	0.0097	0.25	Q				
0+40	0.0114	0.25	Q				
0+45	0.0132	0.25	Q				
0+50	0.0149	0.25	Q				
0+55	0.0167	0.25	Q				
1+ 0	0.0186	0.27	Q				
1+ 5	0.0205	0.29	QV				
1+10	0.0225	0.29	QV				
1+15	0.0245	0.29	QV				
1+20	0.0265	0.29	QV				
1+25	0.0285	0.29	QV				
1+30	0.0305	0.29	QV				
1+35	0.0325	0.29	QV				
1+40	0.0345	0.29	QV				
1+45	0.0365	0.29	QV				
1+50	0.0385	0.29	Q V				
1+55	0.0405	0.29	Q V				
2+ 0	0.0426	0.31	Q V				
2+ 5	0.0447	0.31	Q V				
2+10	0.0469	0.31	Q V				
2+15	0.0491	0.32	Q V				
2+20	0.0514	0.33	Q V				
2+25	0.0536	0.33	Q V				
2+30	0.0558	0.33	Q V				
2+35	0.0581	0.33	Q V				
2+40	0.0603	0.33	Q V				
2+45	0.0627	0.34	Q V				
2+50	0.0652	0.36	Q V				
2+55	0.0677	0.36	Q V				
3+ 0	0.0702	0.36	Q V				

```
    3+ 5       0.0727      0.36  Q  V      |          |          |          |
    3+10       0.0753      0.38  Q   V     |          |          |          |
    3+15       0.0780      0.40  Q   V     |          |          |          |
    3+20       0.0808      0.40  Q   V     |          |          |          |
    3+25       0.0838      0.44  Q   V     |          |          |          |
    3+30       0.0879      0.59  |Q  V     |          |          |          |
    3+35       0.0937      0.84  |Q  V     |          |          |          |
    3+40       0.1004      0.98  |Q   V    |          |          |          |
    3+45       0.1081      1.11  | Q  V    |          |          |          |
    3+50       0.1166      1.24  | Q   V   |          |          |          |
    3+55       0.1261      1.37  | Q   V   |          |          |          |
    4+ 0       0.1364      1.50  | Q    V  |          |          |          |
    4+ 5       0.1476      1.63  |  Q   V  |          |          |          |
    4+10       0.1606      1.88  |  Q    V |          |          |          |
    4+15       0.1753      2.14  |   Q    V|          |          |          |
    4+20       0.1918      2.39  |   Q     V          |          |          |
    4+25       0.2100      2.65  |    Q    |V         |          |          |
    4+30       0.2293      2.79  |    Q    | V        |          |          |
    4+35       0.2494      2.93  |    Q    |  V       |          |          |
    4+40       0.2713      3.17  |     Q   |   V      |          |          |
    4+45       0.2949      3.43  |     Q   |    V     |          |          |
    4+50       0.3195      3.57  |      Q  |      V   |          |          |
    4+55       0.3450      3.70  |      Q  |       V  |          |          |
    5+ 0       0.3722      3.95  |      Q  |        V |          |          |
    5+ 5       0.4045      4.69  |        Q|          |V         |          |
    5+10       0.4453      5.93  |         |Q         |  V       |          |
    5+15       0.4934      6.97  |         |  Q       |     V    |          |
    5+20       0.5470      7.78  |         |    Q     |        V |          |
    5+25       0.6076      8.80  |         |      Q   |          | V        |
    5+30       0.6803     10.55  |         |          |Q         |     V    |
    5+35       0.7303      7.26  |         |   Q      |          |       V  |
    5+40       0.7433      1.90  |  Q      |          |          |        V |
    5+45       0.7464      0.45  Q         |          |          |        V |
    5+50       0.7479      0.22  Q         |          |          |        V |
    5+55       0.7490      0.15  Q         |          |          |        V |
    6+ 0       0.7496      0.10  Q         |          |          |        V |
    6+ 5       0.7499      0.04  Q         |          |          |        V |
    6+10       0.7500      0.00  Q         |          |          |        V |
    6+15       0.7500      0.00  Q         |          |          |         V
---------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  12/05/24 File: MESAP3C24100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 3C
12/5/2024
------------------------------------------------------------------------
Drainage Area =       7.70(Ac.)  =      0.012 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       7.70(Ac.)  =
0.012 Sq. Mi.
Length along longest watercourse =     806.00(Ft.)
Length along longest watercourse measured to centroid =     286.00(Ft.)
Length along longest watercourse =      0.153 Mi.
Length along longest watercourse measured to centroid =      0.054 Mi.
Difference in elevation =     137.00(Ft.)
Slope along watercourse =    897.4690 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.037 Hr.
Lag time =     2.24 Min.
25% of lag time =     0.56 Min.
40% of lag time =     0.90 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.70              2.45                   18.87

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.70              6.08                   46.82

STORM EVENT (YEAR) =  100.00

Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     3.690           70.00          0.000
     0.050           80.00          0.000
     0.180           84.00          0.000
     2.710           65.00          0.120
     0.170           77.00          0.120
     0.900           82.00          0.120
 Total Area Entered =      7.70(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)      (In/Hr)       (Dec.)     (In/Hr)
70.0  70.0      0.362     0.000         0.362        0.479      0.173
80.0  80.0      0.244     0.000         0.244        0.006      0.002
84.0  84.0      0.198     0.000         0.198        0.023      0.005
65.0  65.0      0.416     0.120         0.371        0.352      0.131
77.0  77.0      0.279     0.120         0.249        0.022      0.006
82.0  82.0      0.221     0.120         0.197        0.117      0.023
                                                  Sum (F) =   0.339
Area averaged mean soil loss (F) (In/Hr) =  0.339
Minimum soil loss rate ((In/Hr)) =  0.169
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.860
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        223.351         46.649             3.620
    2   0.167        446.703         47.734             3.704
    3   0.250        670.054          4.960             0.385
    4   0.333        893.405          0.656             0.051
                               Sum = 100.000   Sum=      7.760
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.601)      0.042        0.007
  2   0.17     0.07      0.049       (  0.598)      0.042        0.007
  3   0.25     0.07      0.049       (  0.596)      0.042        0.007
  4   0.33     0.10      0.073       (  0.594)      0.063        0.010
  5   0.42     0.10      0.073       (  0.591)      0.063        0.010
  6   0.50     0.10      0.073       (  0.589)      0.063        0.010
  7   0.58     0.10      0.073       (  0.587)      0.063        0.010
```

8	0.67	0.10	0.073	(0.585)	0.063	0.010
9	0.75	0.10	0.073	(0.582)	0.063	0.010
10	0.83	0.13	0.097	(0.580)	0.084	0.014
11	0.92	0.13	0.097	(0.578)	0.084	0.014
12	1.00	0.13	0.097	(0.575)	0.084	0.014
13	1.08	0.10	0.073	(0.573)	0.063	0.010
14	1.17	0.10	0.073	(0.571)	0.063	0.010
15	1.25	0.10	0.073	(0.569)	0.063	0.010
16	1.33	0.10	0.073	(0.566)	0.063	0.010
17	1.42	0.10	0.073	(0.564)	0.063	0.010
18	1.50	0.10	0.073	(0.562)	0.063	0.010
19	1.58	0.10	0.073	(0.560)	0.063	0.010
20	1.67	0.10	0.073	(0.557)	0.063	0.010
21	1.75	0.10	0.073	(0.555)	0.063	0.010
22	1.83	0.13	0.097	(0.553)	0.084	0.014
23	1.92	0.13	0.097	(0.551)	0.084	0.014
24	2.00	0.13	0.097	(0.548)	0.084	0.014
25	2.08	0.13	0.097	(0.546)	0.084	0.014
26	2.17	0.13	0.097	(0.544)	0.084	0.014
27	2.25	0.13	0.097	(0.542)	0.084	0.014
28	2.33	0.13	0.097	(0.540)	0.084	0.014
29	2.42	0.13	0.097	(0.537)	0.084	0.014
30	2.50	0.13	0.097	(0.535)	0.084	0.014
31	2.58	0.17	0.122	(0.533)	0.105	0.017
32	2.67	0.17	0.122	(0.531)	0.105	0.017
33	2.75	0.17	0.122	(0.529)	0.105	0.017
34	2.83	0.17	0.122	(0.526)	0.105	0.017
35	2.92	0.17	0.122	(0.524)	0.105	0.017
36	3.00	0.17	0.122	(0.522)	0.105	0.017
37	3.08	0.17	0.122	(0.520)	0.105	0.017
38	3.17	0.17	0.122	(0.518)	0.105	0.017
39	3.25	0.17	0.122	(0.516)	0.105	0.017
40	3.33	0.17	0.122	(0.513)	0.105	0.017
41	3.42	0.17	0.122	(0.511)	0.105	0.017
42	3.50	0.17	0.122	(0.509)	0.105	0.017
43	3.58	0.17	0.122	(0.507)	0.105	0.017
44	3.67	0.17	0.122	(0.505)	0.105	0.017
45	3.75	0.17	0.122	(0.503)	0.105	0.017
46	3.83	0.20	0.146	(0.501)	0.125	0.020
47	3.92	0.20	0.146	(0.499)	0.125	0.020
48	4.00	0.20	0.146	(0.496)	0.125	0.020
49	4.08	0.20	0.146	(0.494)	0.125	0.020
50	4.17	0.20	0.146	(0.492)	0.125	0.020
51	4.25	0.20	0.146	(0.490)	0.125	0.020
52	4.33	0.23	0.170	(0.488)	0.146	0.024
53	4.42	0.23	0.170	(0.486)	0.146	0.024
54	4.50	0.23	0.170	(0.484)	0.146	0.024
55	4.58	0.23	0.170	(0.482)	0.146	0.024
56	4.67	0.23	0.170	(0.480)	0.146	0.024
57	4.75	0.23	0.170	(0.478)	0.146	0.024
58	4.83	0.27	0.195	(0.476)	0.167	0.027
59	4.92	0.27	0.195	(0.474)	0.167	0.027
60	5.00	0.27	0.195	(0.472)	0.167	0.027
61	5.08	0.20	0.146	(0.469)	0.125	0.020
62	5.17	0.20	0.146	(0.467)	0.125	0.020
63	5.25	0.20	0.146	(0.465)	0.125	0.020
64	5.33	0.23	0.170	(0.463)	0.146	0.024
65	5.42	0.23	0.170	(0.461)	0.146	0.024
66	5.50	0.23	0.170	(0.459)	0.146	0.024
67	5.58	0.27	0.195	(0.457)	0.167	0.027
68	5.67	0.27	0.195	(0.455)	0.167	0.027
69	5.75	0.27	0.195	(0.453)	0.167	0.027
70	5.83	0.27	0.195	(0.451)	0.167	0.027
71	5.92	0.27	0.195	(0.449)	0.167	0.027
72	6.00	0.27	0.195	(0.447)	0.167	0.027
73	6.08	0.30	0.219	(0.445)	0.188	0.031
74	6.17	0.30	0.219	(0.443)	0.188	0.031
75	6.25	0.30	0.219	(0.441)	0.188	0.031
76	6.33	0.30	0.219	(0.439)	0.188	0.031
77	6.42	0.30	0.219	(0.437)	0.188	0.031
78	6.50	0.30	0.219	(0.435)	0.188	0.031
79	6.58	0.33	0.243	(0.433)	0.209	0.034
80	6.67	0.33	0.243	(0.432)	0.209	0.034
81	6.75	0.33	0.243	(0.430)	0.209	0.034
82	6.83	0.33	0.243	(0.428)	0.209	0.034
83	6.92	0.33	0.243	(0.426)	0.209	0.034
84	7.00	0.33	0.243	(0.424)	0.209	0.034
85	7.08	0.33	0.243	(0.422)	0.209	0.034
86	7.17	0.33	0.243	(0.420)	0.209	0.034
87	7.25	0.33	0.243	(0.418)	0.209	0.034
88	7.33	0.37	0.268	(0.416)	0.230	0.037
89	7.42	0.37	0.268	(0.414)	0.230	0.037
90	7.50	0.37	0.268	(0.412)	0.230	0.037
91	7.58	0.40	0.292	(0.410)	0.251	0.041
92	7.67	0.40	0.292	(0.409)	0.251	0.041
93	7.75	0.40	0.292	(0.407)	0.251	0.041
94	7.83	0.43	0.316	(0.405)	0.272	0.044
95	7.92	0.43	0.316	(0.403)	0.272	0.044
96	8.00	0.43	0.316	(0.401)	0.272	0.044
97	8.08	0.50	0.365	(0.399)	0.314	0.051
98	8.17	0.50	0.365	(0.397)	0.314	0.051
99	8.25	0.50	0.365	(0.395)	0.314	0.051
100	8.33	0.50	0.365	(0.394)	0.314	0.051
101	8.42	0.50	0.365	(0.392)	0.314	0.051
102	8.50	0.50	0.365	(0.390)	0.314	0.051
103	8.58	0.53	0.389	(0.388)	0.335	0.054
104	8.67	0.53	0.389	(0.386)	0.335	0.054
105	8.75	0.53	0.389	(0.384)	0.335	0.054
106	8.83	0.57	0.413	(0.383)	0.356	0.058
107	8.92	0.57	0.413	(0.381)	0.356	0.058
108	9.00	0.57	0.413	(0.379)	0.356	0.058
109	9.08	0.63	0.462	0.377	(0.397)	0.085
110	9.17	0.63	0.462	0.375	(0.397)	0.087
111	9.25	0.63	0.462	0.374	(0.397)	0.088
112	9.33	0.67	0.486	0.372	(0.418)	0.115
113	9.42	0.67	0.486	0.370	(0.418)	0.116
114	9.50	0.67	0.486	0.368	(0.418)	0.118
115	9.58	0.70	0.511	0.367	(0.439)	0.144
116	9.67	0.70	0.511	0.365	(0.439)	0.146
117	9.75	0.70	0.511	0.363	(0.439)	0.148
118	9.83	0.73	0.535	0.361	(0.460)	0.174
119	9.92	0.73	0.535	0.360	(0.460)	0.175
120	10.00	0.73	0.535	0.358	(0.460)	0.177
121	10.08	0.50	0.365	(0.356)	0.314	0.051
122	10.17	0.50	0.365	(0.354)	0.314	0.051
123	10.25	0.50	0.365	(0.353)	0.314	0.051
124	10.33	0.50	0.365	(0.351)	0.314	0.051
125	10.42	0.50	0.365	(0.349)	0.314	0.051
126	10.50	0.50	0.365	(0.348)	0.314	0.051
127	10.58	0.67	0.486	0.346	(0.418)	0.141
128	10.67	0.67	0.486	0.344	(0.418)	0.142
129	10.75	0.67	0.486	0.342	(0.418)	0.144

130	10.83	0.67	0.486	0.341	(0.418)	0.146
131	10.92	0.67	0.486	0.339	(0.418)	0.147
132	11.00	0.67	0.486	0.337	(0.418)	0.149
133	11.08	0.63	0.462	0.336	(0.397)	0.126
134	11.17	0.63	0.462	0.334	(0.397)	0.128
135	11.25	0.63	0.462	0.332	(0.397)	0.130
136	11.33	0.63	0.462	0.331	(0.397)	0.131
137	11.42	0.63	0.462	0.329	(0.397)	0.133
138	11.50	0.63	0.462	0.328	(0.397)	0.134
139	11.58	0.57	0.413	0.326	(0.356)	0.087
140	11.67	0.57	0.413	0.324	(0.356)	0.089
141	11.75	0.57	0.413	0.323	(0.356)	0.091
142	11.83	0.60	0.438	0.321	(0.376)	0.117
143	11.92	0.60	0.438	0.320	(0.376)	0.118
144	12.00	0.60	0.438	0.318	(0.376)	0.120
145	12.08	0.83	0.608	0.316	(0.523)	0.292
146	12.17	0.83	0.608	0.315	(0.523)	0.293
147	12.25	0.83	0.608	0.313	(0.523)	0.295
148	12.33	0.87	0.632	0.312	(0.544)	0.321
149	12.42	0.87	0.632	0.310	(0.544)	0.322
150	12.50	0.87	0.632	0.308	(0.544)	0.324
151	12.58	0.93	0.681	0.307	(0.586)	0.374
152	12.67	0.93	0.681	0.305	(0.586)	0.376
153	12.75	0.93	0.681	0.304	(0.586)	0.377
154	12.83	0.97	0.705	0.302	(0.607)	0.403
155	12.92	0.97	0.705	0.301	(0.607)	0.405
156	13.00	0.97	0.705	0.299	(0.607)	0.406
157	13.08	1.13	0.827	0.298	(0.711)	0.529
158	13.17	1.13	0.827	0.296	(0.711)	0.531
159	13.25	1.13	0.827	0.295	(0.711)	0.532
160	13.33	1.13	0.827	0.293	(0.711)	0.534
161	13.42	1.13	0.827	0.292	(0.711)	0.535
162	13.50	1.13	0.827	0.290	(0.711)	0.537
163	13.58	0.77	0.559	0.289	(0.481)	0.271
164	13.67	0.77	0.559	0.287	(0.481)	0.272
165	13.75	0.77	0.559	0.286	(0.481)	0.274
166	13.83	0.77	0.559	0.284	(0.481)	0.275
167	13.92	0.77	0.559	0.283	(0.481)	0.276
168	14.00	0.77	0.559	0.281	(0.481)	0.278
169	14.08	0.90	0.657	0.280	(0.565)	0.377
170	14.17	0.90	0.657	0.279	(0.565)	0.378
171	14.25	0.90	0.657	0.277	(0.565)	0.379
172	14.33	0.87	0.632	0.276	(0.544)	0.357
173	14.42	0.87	0.632	0.274	(0.544)	0.358
174	14.50	0.87	0.632	0.273	(0.544)	0.359
175	14.58	0.87	0.632	0.272	(0.544)	0.361
176	14.67	0.87	0.632	0.270	(0.544)	0.362
177	14.75	0.87	0.632	0.269	(0.544)	0.364
178	14.83	0.83	0.608	0.267	(0.523)	0.341
179	14.92	0.83	0.608	0.266	(0.523)	0.342
180	15.00	0.83	0.608	0.265	(0.523)	0.343
181	15.08	0.80	0.584	0.263	(0.502)	0.320
182	15.17	0.80	0.584	0.262	(0.502)	0.322
183	15.25	0.80	0.584	0.261	(0.502)	0.323
184	15.33	0.77	0.559	0.259	(0.481)	0.300
185	15.42	0.77	0.559	0.258	(0.481)	0.301
186	15.50	0.77	0.559	0.257	(0.481)	0.303
187	15.58	0.63	0.462	0.255	(0.397)	0.207
188	15.67	0.63	0.462	0.254	(0.397)	0.208
189	15.75	0.63	0.462	0.253	(0.397)	0.209
190	15.83	0.63	0.462	0.251	(0.397)	0.211
191	15.92	0.63	0.462	0.250	(0.397)	0.212
192	16.00	0.63	0.462	0.249	(0.397)	0.213
193	16.08	0.13	0.097	(0.248)	0.084	0.014
194	16.17	0.13	0.097	(0.246)	0.084	0.014
195	16.25	0.13	0.097	(0.245)	0.084	0.014
196	16.33	0.13	0.097	(0.244)	0.084	0.014
197	16.42	0.13	0.097	(0.243)	0.084	0.014
198	16.50	0.13	0.097	(0.241)	0.084	0.014
199	16.58	0.10	0.073	(0.240)	0.063	0.010
200	16.67	0.10	0.073	(0.239)	0.063	0.010
201	16.75	0.10	0.073	(0.238)	0.063	0.010
202	16.83	0.10	0.073	(0.236)	0.063	0.010
203	16.92	0.10	0.073	(0.235)	0.063	0.010
204	17.00	0.10	0.073	(0.234)	0.063	0.010
205	17.08	0.17	0.122	(0.233)	0.105	0.017
206	17.17	0.17	0.122	(0.232)	0.105	0.017
207	17.25	0.17	0.122	(0.231)	0.105	0.017
208	17.33	0.17	0.122	(0.229)	0.105	0.017
209	17.42	0.17	0.122	(0.228)	0.105	0.017
210	17.50	0.17	0.122	(0.227)	0.105	0.017
211	17.58	0.17	0.122	(0.226)	0.105	0.017
212	17.67	0.17	0.122	(0.225)	0.105	0.017
213	17.75	0.17	0.122	(0.224)	0.105	0.017
214	17.83	0.13	0.097	(0.223)	0.084	0.014
215	17.92	0.13	0.097	(0.222)	0.084	0.014
216	18.00	0.13	0.097	(0.220)	0.084	0.014
217	18.08	0.13	0.097	(0.219)	0.084	0.014
218	18.17	0.13	0.097	(0.218)	0.084	0.014
219	18.25	0.13	0.097	(0.217)	0.084	0.014
220	18.33	0.13	0.097	(0.216)	0.084	0.014
221	18.42	0.13	0.097	(0.215)	0.084	0.014
222	18.50	0.13	0.097	(0.214)	0.084	0.014
223	18.58	0.10	0.073	(0.213)	0.063	0.010
224	18.67	0.10	0.073	(0.212)	0.063	0.010
225	18.75	0.10	0.073	(0.211)	0.063	0.010
226	18.83	0.07	0.049	(0.210)	0.042	0.007
227	18.92	0.07	0.049	(0.209)	0.042	0.007
228	19.00	0.07	0.049	(0.208)	0.042	0.007
229	19.08	0.10	0.073	(0.207)	0.063	0.010
230	19.17	0.10	0.073	(0.206)	0.063	0.010
231	19.25	0.10	0.073	(0.205)	0.063	0.010
232	19.33	0.13	0.097	(0.204)	0.084	0.014
233	19.42	0.13	0.097	(0.203)	0.084	0.014
234	19.50	0.13	0.097	(0.202)	0.084	0.014
235	19.58	0.10	0.073	(0.201)	0.063	0.010
236	19.67	0.10	0.073	(0.200)	0.063	0.010
237	19.75	0.10	0.073	(0.199)	0.063	0.010
238	19.83	0.07	0.049	(0.199)	0.042	0.007
239	19.92	0.07	0.049	(0.198)	0.042	0.007
240	20.00	0.07	0.049	(0.197)	0.042	0.007
241	20.08	0.10	0.073	(0.196)	0.063	0.010
242	20.17	0.10	0.073	(0.195)	0.063	0.010
243	20.25	0.10	0.073	(0.194)	0.063	0.010
244	20.33	0.10	0.073	(0.193)	0.063	0.010
245	20.42	0.10	0.073	(0.193)	0.063	0.010
246	20.50	0.10	0.073	(0.192)	0.063	0.010
247	20.58	0.10	0.073	(0.191)	0.063	0.010
248	20.67	0.10	0.073	(0.190)	0.063	0.010
249	20.75	0.10	0.073	(0.189)	0.063	0.010
250	20.83	0.07	0.049	(0.189)	0.042	0.007
251	20.92	0.07	0.049	(0.188)	0.042	0.007

252	21.00	0.07	0.049	(0.187)	0.042	0.007
253	21.08	0.10	0.073	(0.186)	0.063	0.010
254	21.17	0.10	0.073	(0.186)	0.063	0.010
255	21.25	0.10	0.073	(0.185)	0.063	0.010
256	21.33	0.07	0.049	(0.184)	0.042	0.007
257	21.42	0.07	0.049	(0.183)	0.042	0.007
258	21.50	0.07	0.049	(0.183)	0.042	0.007
259	21.58	0.10	0.073	(0.182)	0.063	0.010
260	21.67	0.10	0.073	(0.181)	0.063	0.010
261	21.75	0.10	0.073	(0.181)	0.063	0.010
262	21.83	0.07	0.049	(0.180)	0.042	0.007
263	21.92	0.07	0.049	(0.180)	0.042	0.007
264	22.00	0.07	0.049	(0.179)	0.042	0.007
265	22.08	0.10	0.073	(0.178)	0.063	0.010
266	22.17	0.10	0.073	(0.178)	0.063	0.010
267	22.25	0.10	0.073	(0.177)	0.063	0.010
268	22.33	0.07	0.049	(0.177)	0.042	0.007
269	22.42	0.07	0.049	(0.176)	0.042	0.007
270	22.50	0.07	0.049	(0.176)	0.042	0.007
271	22.58	0.07	0.049	(0.175)	0.042	0.007
272	22.67	0.07	0.049	(0.175)	0.042	0.007
273	22.75	0.07	0.049	(0.174)	0.042	0.007
274	22.83	0.07	0.049	(0.174)	0.042	0.007
275	22.92	0.07	0.049	(0.173)	0.042	0.007
276	23.00	0.07	0.049	(0.173)	0.042	0.007
277	23.08	0.07	0.049	(0.172)	0.042	0.007
278	23.17	0.07	0.049	(0.172)	0.042	0.007
279	23.25	0.07	0.049	(0.172)	0.042	0.007
280	23.33	0.07	0.049	(0.171)	0.042	0.007
281	23.42	0.07	0.049	(0.171)	0.042	0.007
282	23.50	0.07	0.049	(0.171)	0.042	0.007
283	23.58	0.07	0.049	(0.170)	0.042	0.007
284	23.67	0.07	0.049	(0.170)	0.042	0.007
285	23.75	0.07	0.049	(0.170)	0.042	0.007
286	23.83	0.07	0.049	(0.170)	0.042	0.007
287	23.92	0.07	0.049	(0.170)	0.042	0.007
288	24.00	0.07	0.049	(0.169)	0.042	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 24.3

Flood volume = Effective rainfall 2.03(In)
times area 7.7(Ac.)/[(In)/(Ft.)] = 1.3(Ac.Ft)
Total soil loss = 4.05(In)
Total soil loss = 2.599(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 56715.9 Cubic Feet
Total soil loss = 113223.6 Cubic Feet

Peak flow rate of this hydrograph = 4.160(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.02	Q	|	|	|	|
0+10	0.0005	0.05	Q	|	|	|	|
0+15	0.0009	0.05	Q	|	|	|	|
0+20	0.0013	0.07	Q	|	|	|	|
0+25	0.0019	0.08	Q	|	|	|	|
0+30	0.0024	0.08	Q	|	|	|	|
0+35	0.0030	0.08	Q	|	|	|	|
0+40	0.0035	0.08	Q	|	|	|	|
0+45	0.0040	0.08	Q	|	|	|	|
0+50	0.0047	0.09	Q	|	|	|	|
0+55	0.0054	0.10	Q	|	|	|	|
1+ 0	0.0061	0.11	Q	|	|	|	|
1+ 5	0.0068	0.09	Q	|	|	|	|
1+10	0.0073	0.08	Q	|	|	|	|
1+15	0.0079	0.08	Q	|	|	|	|
1+20	0.0084	0.08	Q	|	|	|	|
1+25	0.0090	0.08	Q	|	|	|	|
1+30	0.0095	0.08	Q	|	|	|	|
1+35	0.0101	0.08	Q	|	|	|	|
1+40	0.0106	0.08	Q	|	|	|	|
1+45	0.0111	0.08	Q	|	|	|	|
1+50	0.0118	0.09	Q	|	|	|	|
1+55	0.0125	0.10	Q	|	|	|	|
2+ 0	0.0132	0.11	Q	|	|	|	|
2+ 5	0.0139	0.11	Q	|	|	|	|
2+10	0.0147	0.11	Q	|	|	|	|
2+15	0.0154	0.11	Q	|	|	|	|
2+20	0.0161	0.11	Q	|	|	|	|
2+25	0.0169	0.11	Q	|	|	|	|
2+30	0.0176	0.11	Q	|	|	|	|
2+35	0.0184	0.12	Q	|	|	|	|
2+40	0.0193	0.13	Q	|	|	|	|
2+45	0.0202	0.13	Q	|	|	|	|
2+50	0.0211	0.13	Q	|	|	|	|
2+55	0.0220	0.13	Q	|	|	|	|
3+ 0	0.0229	0.13	Q	|	|	|	|
3+ 5	0.0239	0.13	Q	|	|	|	|
3+10	0.0248	0.13	Q	|	|	|	|
3+15	0.0257	0.13	Q	|	|	|	|
3+20	0.0266	0.13	Q	|	|	|	|
3+25	0.0275	0.13	Q	|	|	|	|
3+30	0.0284	0.13	Q	|	|	|	|
3+35	0.0293	0.13	Q	|	|	|	|
3+40	0.0302	0.13	Q	|	|	|	|
3+45	0.0311	0.13	Q	|	|	|	|
3+50	0.0321	0.14	Q	|	|	|	|
3+55	0.0332	0.16	QV	|	|	|	|
4+ 0	0.0343	0.16	QV	|	|	|	|
4+ 5	0.0354	0.16	QV	|	|	|	|
4+10	0.0365	0.16	QV	|	|	|	|
4+15	0.0376	0.16	QV	|	|	|	|
4+20	0.0388	0.17	QV	|	|	|	|
4+25	0.0400	0.18	QV	|	|	|	|
4+30	0.0413	0.18	QV	|	|	|	|
4+35	0.0426	0.19	QV	|	|	|	|
4+40	0.0438	0.19	QV	|	|	|	|
4+45	0.0451	0.19	QV	|	|	|	|
4+50	0.0465	0.20	QV	|	|	|	|
4+55	0.0479	0.21	QV	|	|	|	|
5+ 0	0.0494	0.21	QV	|	|	|	|
5+ 5	0.0507	0.19	QV	|	|	|	|
5+10	0.0518	0.16	QV	|	|	|	|
5+15	0.0529	0.16	QV	|	|	|	|
5+20	0.0541	0.17	QV	|	|	|	|

5+25	0.0553	0.18	QV				
5+30	0.0566	0.18	QV				
5+35	0.0579	0.20	QV				
5+40	0.0594	0.21	QV				
5+45	0.0608	0.21	QV				
5+50	0.0623	0.21	QV				
5+55	0.0638	0.21	QV				
6+ 0	0.0652	0.21	Q V				
6+ 5	0.0668	0.22	Q V				
6+10	0.0684	0.24	Q V				
6+15	0.0700	0.24	Q V				
6+20	0.0717	0.24	Q V				
6+25	0.0733	0.24	Q V				
6+30	0.0749	0.24	Q V				
6+35	0.0767	0.25	|QV				
6+40	0.0785	0.26	|QV				
6+45	0.0803	0.26	|QV				
6+50	0.0821	0.26	|QV				
6+55	0.0839	0.26	|QV				
7+ 0	0.0858	0.26	|QV				
7+ 5	0.0876	0.26	|QV				
7+10	0.0894	0.26	|QV				
7+15	0.0912	0.26	|QV				
7+20	0.0931	0.28	|QV				
7+25	0.0951	0.29	|QV				
7+30	0.0971	0.29	|QV				
7+35	0.0992	0.30	|Q V				
7+40	0.1014	0.32	|Q V				
7+45	0.1036	0.32	|Q V				
7+50	0.1058	0.33	|Q V				
7+55	0.1082	0.34	|Q V				
8+ 0	0.1106	0.34	|Q V				
8+ 5	0.1131	0.37	|Q V				
8+10	0.1158	0.39	|Q V				
8+15	0.1185	0.40	|Q V				
8+20	0.1213	0.40	|Q V				
8+25	0.1240	0.40	|Q V				
8+30	0.1267	0.40	|Q V				
8+35	0.1295	0.41	|Q V				
8+40	0.1324	0.42	|Q V				
8+45	0.1354	0.42	|Q V				
8+50	0.1384	0.44	|Q V				
8+55	0.1414	0.45	|Q V				
9+ 0	0.1445	0.45	|Q V				
9+ 5	0.1483	0.55	| Q V				
9+10	0.1528	0.65	| Q V				
9+15	0.1575	0.68	| Q V				
9+20	0.1628	0.78	| Q V				
9+25	0.1689	0.88	| Q V				
9+30	0.1752	0.91	| Q V				
9+35	0.1821	1.01	| QV				
9+40	0.1898	1.11	| QV				
9+45	0.1976	1.14	| Q V				
9+50	0.2062	1.24	| Q V				
9+55	0.2154	1.34	| QV				
10+ 0	0.2248	1.37	| QV				
10+ 5	0.2312	0.92	| Q V				
10+10	0.2343	0.45	|Q V				
10+15	0.2370	0.40	|Q V				
10+20	0.2398	0.40	|Q V				
10+25	0.2425	0.40	|Q V				
10+30	0.2452	0.40	|Q V				
10+35	0.2502	0.72	| Q V				
10+40	0.2575	1.06	| Q V				
10+45	0.2651	1.11	| Q V				
10+50	0.2728	1.12	| Q V				
10+55	0.2806	1.14	| Q V				
11+ 0	0.2886	1.15	| Q V				
11+ 5	0.2960	1.07	| Q V|				
11+10	0.3028	1.00	| Q V|				
11+15	0.3097	1.00	| Q V|				
11+20	0.3167	1.01	| Q V|				
11+25	0.3237	1.02	| Q V|				
11+30	0.3309	1.04	| Q V				
11+35	0.3369	0.87	| Q V				
11+40	0.3417	0.71	| Q V				
11+45	0.3465	0.70	| Q V				
11+50	0.3520	0.80	| Q V				
11+55	0.3582	0.90	| Q |V				
12+ 0	0.3646	0.92	| Q |V				
12+ 5	0.3753	1.55	| Q |V				
12+10	0.3904	2.20	| Q |V				
12+15	0.4060	2.27	| Q| V				
12+20	0.4225	2.38	| Q| V				
12+25	0.4396	2.48	| Q| V				
12+30	0.4568	2.51	| Q V				
12+35	0.4754	2.70	| Q V				
12+40	0.4953	2.89	| |Q V				
12+45	0.5154	2.92	| |Q V				
12+50	0.5362	3.02	| | Q V				
12+55	0.5577	3.12	| | Q V				
13+ 0	0.5793	3.14	| | Q V				
13+ 5	0.6041	3.60	| | Q V|				
13+10	0.6321	4.06	| | Q V|				
13+15	0.6604	4.12	| | Q V				
13+20	0.6889	4.14	| | Q |V				
13+25	0.7175	4.15	| | Q | V				
13+30	0.7461	4.16	| | Q | V				
13+35	0.7682	3.20	| | Q | V				
13+40	0.7835	2.22	| Q | | V				
13+45	0.7982	2.13	| Q | | V				
13+50	0.8128	2.13	| Q | | V				
13+55	0.8276	2.14	| Q | | V				
14+ 0	0.8424	2.15	| Q | | V				
14+ 5	0.8597	2.51	| Q | | V				
14+10	0.8796	2.89	| |Q | | V				
14+15	0.8998	2.93	| |Q | | V				
14+20	0.9195	2.86	| |Q | | V				
14+25	0.9387	2.78	| |Q | | V				
14+30	0.9578	2.78	| |Q | | V|				
14+35	0.9771	2.79	| |Q | | V				
14+40	0.9964	2.81	| |Q | | V				
14+45	1.0158	2.82	| |Q | |V				
14+50	1.0347	2.74	| Q | |V				
14+55	1.0530	2.66	| Q | | V				
15+ 0	1.0713	2.66	| Q | | V				
15+ 5	1.0891	2.58	| Q | | V				
15+10	1.1063	2.50	| Q | | V				
15+15	1.1236	2.50	| Q | | V				
15+20	1.1403	2.42	| Q| | V				
15+25	1.1564	2.34	| Q| | V				
15+30	1.1726	2.35	| Q| | V				

15+35	1.1863	2.00		Q		V	
15+40	1.1977	1.65		Q		V	
15+45	1.2089	1.62		Q		V	
15+50	1.2201	1.63		Q		V	
15+55	1.2314	1.64		Q		V	
16+ 0	1.2428	1.65		Q		V	
16+ 5	1.2492	0.93	Q			V	
16+10	1.2505	0.19	Q			V	
16+15	1.2513	0.12	Q			V	
16+20	1.2521	0.11	Q			V	
16+25	1.2528	0.11	Q			V	
16+30	1.2535	0.11	Q			V	
16+35	1.2542	0.09	Q			V	
16+40	1.2547	0.08	Q			V	
16+45	1.2553	0.08	Q			V	
16+50	1.2558	0.08	Q			V	
16+55	1.2564	0.08	Q			V	
17+ 0	1.2569	0.08	Q			V	
17+ 5	1.2576	0.10	Q			V	
17+10	1.2585	0.13	Q			V	
17+15	1.2594	0.13	Q			V	
17+20	1.2603	0.13	Q			V	
17+25	1.2612	0.13	Q			V	
17+30	1.2622	0.13	Q			V	
17+35	1.2631	0.13	Q			V	
17+40	1.2640	0.13	Q			V	
17+45	1.2649	0.13	Q			V	
17+50	1.2657	0.12	Q			V	
17+55	1.2664	0.11	Q			V	
18+ 0	1.2672	0.11	Q			V	
18+ 5	1.2679	0.11	Q			V	
18+10	1.2686	0.11	Q			V	
18+15	1.2694	0.11	Q			V	
18+20	1.2701	0.11	Q			V	
18+25	1.2708	0.11	Q			V	
18+30	1.2715	0.11	Q			V	
18+35	1.2722	0.09	Q			V	
18+40	1.2727	0.08	Q			V	
18+45	1.2733	0.08	Q			V	
18+50	1.2738	0.07	Q			V	
18+55	1.2741	0.05	Q			V	
19+ 0	1.2745	0.05	Q			V	
19+ 5	1.2749	0.07	Q			V	
19+10	1.2755	0.08	Q			V	
19+15	1.2760	0.08	Q			V	
19+20	1.2767	0.09	Q			V	
19+25	1.2774	0.10	Q			V	
19+30	1.2781	0.11	Q			V	
19+35	1.2787	0.09	Q			V	
19+40	1.2793	0.08	Q			V	
19+45	1.2798	0.08	Q			V	
19+50	1.2803	0.07	Q			V	
19+55	1.2807	0.05	Q			V	
20+ 0	1.2810	0.05	Q			V	
20+ 5	1.2815	0.07	Q			V	
20+10	1.2820	0.08	Q			V	
20+15	1.2826	0.08	Q			V	
20+20	1.2831	0.08	Q			V	
20+25	1.2837	0.08	Q			V	
20+30	1.2842	0.08	Q			V	
20+35	1.2848	0.08	Q			V	
20+40	1.2853	0.08	Q			V	
20+45	1.2859	0.08	Q			V	
20+50	1.2863	0.07	Q			V	
20+55	1.2867	0.05	Q			V	
21+ 0	1.2871	0.05	Q			V	
21+ 5	1.2875	0.07	Q			V	
21+10	1.2880	0.08	Q			V	
21+15	1.2886	0.08	Q			V	
21+20	1.2890	0.07	Q			V	
21+25	1.2894	0.05	Q			V	
21+30	1.2898	0.05	Q			V	
21+35	1.2902	0.07	Q			V	
21+40	1.2908	0.08	Q			V	
21+45	1.2913	0.08	Q			V	
21+50	1.2918	0.07	Q			V	
21+55	1.2922	0.05	Q			V	
22+ 0	1.2925	0.05	Q			V	
22+ 5	1.2930	0.07	Q			V	
22+10	1.2935	0.08	Q			V	
22+15	1.2940	0.08	Q			V	
22+20	1.2945	0.07	Q			V	
22+25	1.2949	0.05	Q			V	
22+30	1.2952	0.05	Q			V	
22+35	1.2956	0.05	Q			V	
22+40	1.2960	0.05	Q			V	
22+45	1.2963	0.05	Q			V	
22+50	1.2967	0.05	Q			V	
22+55	1.2971	0.05	Q			V	
23+ 0	1.2974	0.05	Q			V	
23+ 5	1.2978	0.05	Q			V	
23+10	1.2982	0.05	Q			V	
23+15	1.2985	0.05	Q			V	
23+20	1.2989	0.05	Q			V	
23+25	1.2993	0.05	Q			V	
23+30	1.2996	0.05	Q			V	
23+35	1.3000	0.05	Q			V	
23+40	1.3003	0.05	Q			V	
23+45	1.3007	0.05	Q			V	
23+50	1.3011	0.05	Q			V	
23+55	1.3014	0.05	Q			V	
24+ 0	1.3018	0.05	Q			V	
24+ 5	1.3020	0.03	Q			V	
24+10	1.3020	0.00	Q			V	
24+15	1.3020	0.00	Q			V	

AREAS TRIBUTARY TO CP4

AREAS 4A, 4B, 4C, 4D, 4E, 4F, & 4G
(3HR, 6HR, & 24HR STORMS)

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP4A3100.out


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      ------------------------------------------------------------------------

      Riverside County Synthetic Unit Hydrology Method
      RCFC & WCD Manual date - April 1978


      Program License Serial Number 6406

      ------------------------------------------------------------------------
       English (in-lb) Input Units Used
       English Rainfall Data (Inches) Input Values Used

       English Units used in output format



      ------------------------------------------------------------------------
      MESA VERDE ESTATES
      PROPOSED CONDITION
      AREA 4A
      2/09/24
      ------------------------------------------------------------------------
      Drainage Area =     275.54(Ac.)  =      0.431 Sq. Mi.
      Drainage Area for Depth-Area Areal Adjustment =     275.54(Ac.)  =
0.431 Sq. Mi.
      Length along longest watercourse =    7331.00(Ft.)
      Length along longest watercourse measured to centroid =    1747.00(Ft.)
      Length along longest watercourse =      1.388 Mi.
      Length along longest watercourse measured to centroid =      0.331 Mi.
      Difference in elevation =     165.00(Ft.)
      Slope along watercourse =    118.8378 Ft./Mi.
      Average Manning's 'N' = 0.015
      Lag time =    0.108 Hr.
      Lag time =     6.48 Min.
      25% of lag time =     1.62 Min.
      40% of lag time =     2.59 Min.
      Unit time =     5.00 Min.
      Duration of storm = 3 Hour(s)
      User Entered Base Flow =     0.00(CFS)

      2 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            275.54              0.94                  259.01

      100 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            275.54              1.97                  542.81

      STORM EVENT (YEAR) =  100.00
      Area Averaged 2-Year Rainfall =    0.940(In)

      Area Averaged 100-Year Rainfall =    1.970(In)

      Point rain (area averaged) =    1.970(In)
      Areal adjustment factor =   99.88 %
      Adjusted average point rain =    1.968(In)

      Sub-Area Data:
      Area(Ac.)         Runoff Index   Impervious %
           2.200           80.00          0.000
           0.460           84.00          0.000
           0.740           92.00          0.900
           2.300           94.00          0.900
           1.860           95.00          0.900
          10.070           77.00          0.750
          25.800           85.00          0.750
         104.580           90.00          0.750
          98.250           92.00          0.750
          13.240           68.00          0.200
           0.130           46.00          0.120
           1.790           65.00          0.120
           8.270           77.00          0.120
           5.850           82.00          0.120
       Total Area Entered =    275.54(Ac.)


      RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
      AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      80.0  80.0      0.244     0.000        0.244       0.008      0.002
      84.0  84.0      0.198     0.000        0.198       0.002      0.000
      92.0  92.0      0.104     0.900        0.020       0.003      0.000
      94.0  94.0      0.078     0.900        0.015       0.008      0.000
      95.0  95.0      0.065     0.900        0.012       0.007      0.000
      77.0  77.0      0.279     0.750        0.091       0.037      0.003
      85.0  85.0      0.187     0.750        0.061       0.094      0.006
      90.0  90.0      0.130     0.750        0.042       0.380      0.016
      92.0  92.0      0.104     0.750        0.034       0.357      0.012
      68.0  68.0      0.384     0.200        0.315       0.048      0.015
      46.0  46.0      0.611     0.120        0.545       0.000      0.000
      65.0  65.0      0.416     0.120        0.371       0.006      0.002
      77.0  77.0      0.279     0.120        0.249       0.030      0.007
      82.0  82.0      0.221     0.120        0.197       0.021      0.004
                                                      Sum (F) =   0.069
      Area averaged mean soil loss (F) (In/Hr) =  0.069
      Minimum soil loss rate ((In/Hr)) =  0.035
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.360
      ------------------------------------------------------------------------

                     U n i t  H y d r o g r a p h
                           FOOTHILL S-Curve
      ------------------------------------------------------------------------
                     Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083         77.113          8.439            23.433
          2   0.167        154.225         46.509           129.153
          3   0.250        231.338         25.717            71.415
          4   0.333        308.451         10.067            27.955
          5   0.417        385.564          5.221            14.500
          6   0.500        462.676          2.212             6.143
```

7	0.583	539.789	0.806	2.237
8	0.667	616.902	0.549	1.526
9	0.750	694.015	0.376	1.044
10	0.833	771.127	0.103	0.287
		Sum = 100.000	Sum=	277.693

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.069	(0.111)	0.238
2	0.17	1.30	0.307	0.069	(0.111)	0.238
3	0.25	1.10	0.260	0.069	(0.094)	0.191
4	0.33	1.50	0.354	0.069	(0.128)	0.285
5	0.42	1.50	0.354	0.069	(0.128)	0.285
6	0.50	1.80	0.425	0.069	(0.153)	0.356
7	0.58	1.50	0.354	0.069	(0.128)	0.285
8	0.67	1.80	0.425	0.069	(0.153)	0.356
9	0.75	1.80	0.425	0.069	(0.153)	0.356
10	0.83	1.50	0.354	0.069	(0.128)	0.285
11	0.92	1.60	0.378	0.069	(0.136)	0.309
12	1.00	1.80	0.425	0.069	(0.153)	0.356
13	1.08	2.20	0.519	0.069	(0.187)	0.450
14	1.17	2.20	0.519	0.069	(0.187)	0.450
15	1.25	2.20	0.519	0.069	(0.187)	0.450
16	1.33	2.00	0.472	0.069	(0.170)	0.403
17	1.42	2.60	0.614	0.069	(0.221)	0.545
18	1.50	2.70	0.638	0.069	(0.230)	0.568
19	1.58	2.40	0.567	0.069	(0.204)	0.498
20	1.67	2.70	0.638	0.069	(0.230)	0.568
21	1.75	3.30	0.779	0.069	(0.281)	0.710
22	1.83	3.10	0.732	0.069	(0.264)	0.663
23	1.92	2.90	0.685	0.069	(0.247)	0.616
24	2.00	3.00	0.708	0.069	(0.255)	0.639
25	2.08	3.10	0.732	0.069	(0.264)	0.663
26	2.17	4.20	0.992	0.069	(0.357)	0.923
27	2.25	5.00	1.181	0.069	(0.425)	1.111
28	2.33	3.50	0.826	0.069	(0.298)	0.757
29	2.42	6.80	1.606	0.069	(0.578)	1.536
30	2.50	7.30	1.724	0.069	(0.621)	1.655
31	2.58	8.20	1.936	0.069	(0.697)	1.867
32	2.67	5.90	1.393	0.069	(0.502)	1.324
33	2.75	2.00	0.472	0.069	(0.170)	0.403
34	2.83	1.80	0.425	0.069	(0.153)	0.356
35	2.92	1.80	0.425	0.069	(0.153)	0.356
36	3.00	0.60	0.142	(0.069)	0.051	0.091
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	21.1

Flood volume = Effective rainfall 1.76(In)
times area 275.5(Ac.)/[(In)/(Ft.)] = 40.5(Ac.Ft)
Total soil loss = 0.21(In)
Total soil loss = 4.725(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 1762237.6 Cubic Feet
Total soil loss = 205801.1 Cubic Feet

Peak flow rate of this hydrograph = 455.237(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 125.0 250.0 375.0 500.0
0+ 5	0.0384	5.58	Q
0+10	0.2885	36.31	V Q
0+15	0.6480	52.20	V Q
0+20	1.0266	54.97	V Q
0+25	1.4897	67.25	V Q
0+30	2.0117	75.80	V Q
0+35	2.6025	85.78	V Q
0+40	3.1865	84.79	V Q
0+45	3.8172	91.59	V Q
0+50	4.4663	94.24	V Q
0+55	5.0663	87.13	VQ
1+ 0	5.6659	87.06	VQ
1+ 5	6.3236	95.49	VQ
1+10	7.0868	110.83	VQ
1+15	7.9054	118.86	V Q
1+20	8.7396	121.12	VQ
1+25	9.5658	119.96	Q
1+30	10.5031	136.10	Q
1+35	11.5126	146.58	Q
1+40	12.5061	144.25	QV
1+45	13.5680	154.20	QV
1+50	14.7775	175.62	Q
1+55	16.0163	179.87	QV
2+ 0	17.2265	175.72	Q V
2+ 5	18.4465	177.14	Q V
2+10	19.7340	186.94	Q V
2+15	21.2950	226.66	Q V
2+20	23.1008	262.20	Q V
2+25	24.8636	255.95	Q V
2+30	27.2276	343.26	VQ
2+35	30.0763	413.63	V Q
2+40	33.2115	455.24	V Q
2+45	35.9108	391.94	Q V
2+50	37.5999	245.25	Q V
2+55	38.7256	163.45	Q V
3+ 0	39.5704	122.67	Q V
3+ 5	40.0498	69.61	Q V
3+10	40.2706	32.06	Q V
3+15	40.3755	15.24	Q V
3+20	40.4226	6.83	Q V
3+25	40.4412	2.70	Q V
3+30	40.4497	1.23	Q V
3+35	40.4539	0.61	Q V
3+40	40.4552	0.20	Q V
3+45	40.4554	0.03	Q V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP4A6100.out


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      ------------------------------------------------------------------------

      Riverside County Synthetic Unit Hydrology Method
      RCFC & WCD Manual date - April 1978


      Program License Serial Number 6406

      ------------------------------------------------------------------------
       English (in-lb) Input Units Used
       English Rainfall Data (Inches) Input Values Used

       English Units used in output format



      ------------------------------------------------------------------------
      MESA VERDE ESTATES
      PROPOSED CONDITION
      AREA 4A
      2/09/24
      ------------------------------------------------------------------------
      Drainage Area =     275.54(Ac.)  =      0.431 Sq. Mi.
      Drainage Area for Depth-Area Areal Adjustment =     275.54(Ac.)  =
0.431 Sq. Mi.
      Length along longest watercourse =    7331.00(Ft.)
      Length along longest watercourse measured to centroid =    1747.00(Ft.)
      Length along longest watercourse =      1.388 Mi.
      Length along longest watercourse measured to centroid =      0.331 Mi.
      Difference in elevation =     165.00(Ft.)
      Slope along watercourse =    118.8378 Ft./Mi.
      Average Manning's 'N' = 0.015
      Lag time =    0.108 Hr.
      Lag time =     6.48 Min.
      25% of lag time =     1.62 Min.
      40% of lag time =     2.59 Min.
      Unit time =     5.00 Min.
      Duration of storm = 6 Hour(s)
      User Entered Base Flow =     0.00(CFS)

      2 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            275.54              1.35                  371.98

      100 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            275.54              2.78                  766.00

      STORM EVENT (YEAR) =  100.00
      Area Averaged 2-Year Rainfall =    1.350(In)

      Area Averaged 100-Year Rainfall =    2.780(In)

      Point rain (area averaged) =    2.780(In)
      Areal adjustment factor =   99.91 %
      Adjusted average point rain =    2.777(In)

      Sub-Area Data:
      Area(Ac.)         Runoff Index   Impervious %
           2.200           80.00          0.000
           0.460           84.00          0.000
           0.740           92.00          0.900
           2.300           94.00          0.900
           1.860           95.00          0.900
          10.070           77.00          0.750
          25.800           85.00          0.750
         104.580           90.00          0.750
          98.250           92.00          0.750
          13.240           68.00          0.200
           0.130           46.00          0.120
           1.790           65.00          0.120
           8.270           77.00          0.120
           5.850           82.00          0.120
       Total Area Entered =    275.54(Ac.)


      RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
      AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      80.0  80.0      0.244     0.000        0.244       0.008      0.002
      84.0  84.0      0.198     0.000        0.198       0.002      0.000
      92.0  92.0      0.104     0.900        0.020       0.003      0.000
      94.0  94.0      0.078     0.900        0.015       0.008      0.000
      95.0  95.0      0.065     0.900        0.012       0.007      0.000
      77.0  77.0      0.279     0.750        0.091       0.037      0.003
      85.0  85.0      0.187     0.750        0.061       0.094      0.006
      90.0  90.0      0.130     0.750        0.042       0.380      0.016
      92.0  92.0      0.104     0.750        0.034       0.357      0.012
      68.0  68.0      0.384     0.200        0.315       0.048      0.015
      46.0  46.0      0.611     0.120        0.545       0.000      0.000
      65.0  65.0      0.416     0.120        0.371       0.006      0.002
      77.0  77.0      0.279     0.120        0.249       0.030      0.007
      82.0  82.0      0.221     0.120        0.197       0.021      0.004
                                                      Sum (F) =   0.069
      Area averaged mean soil loss (F) (In/Hr) =  0.069
      Minimum soil loss rate ((In/Hr)) =  0.035
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.360
      ------------------------------------------------------------------------

                     U n i t  H y d r o g r a p h
                           FOOTHILL S-Curve
      ------------------------------------------------------------------------
                     Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083         77.113          8.439            23.433
          2   0.167        154.225         46.509           129.153
          3   0.250        231.338         25.717            71.415
          4   0.333        308.451         10.067            27.955
          5   0.417        385.564          5.221            14.500
          6   0.500        462.676          2.212             6.143
```

7	0.583	539.789	0.806	2.237
8	0.667	616.902	0.549	1.526
9	0.750	694.015	0.376	1.044
10	0.833	771.127	0.103	0.287
		Sum = 100.000	Sum=	277.693

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.069)	0.060	0.107
2	0.17	0.60	0.200	0.069	(0.072)	0.131
3	0.25	0.60	0.200	0.069	(0.072)	0.131
4	0.33	0.60	0.200	0.069	(0.072)	0.131
5	0.42	0.60	0.200	0.069	(0.072)	0.131
6	0.50	0.70	0.233	0.069	(0.084)	0.164
7	0.58	0.70	0.233	0.069	(0.084)	0.164
8	0.67	0.70	0.233	0.069	(0.084)	0.164
9	0.75	0.70	0.233	0.069	(0.084)	0.164
10	0.83	0.70	0.233	0.069	(0.084)	0.164
11	0.92	0.70	0.233	0.069	(0.084)	0.164
12	1.00	0.80	0.267	0.069	(0.096)	0.198
13	1.08	0.80	0.267	0.069	(0.096)	0.198
14	1.17	0.80	0.267	0.069	(0.096)	0.198
15	1.25	0.80	0.267	0.069	(0.096)	0.198
16	1.33	0.80	0.267	0.069	(0.096)	0.198
17	1.42	0.80	0.267	0.069	(0.096)	0.198
18	1.50	0.80	0.267	0.069	(0.096)	0.198
19	1.58	0.80	0.267	0.069	(0.096)	0.198
20	1.67	0.80	0.267	0.069	(0.096)	0.198
21	1.75	0.80	0.267	0.069	(0.096)	0.198
22	1.83	0.80	0.267	0.069	(0.096)	0.198
23	1.92	0.80	0.267	0.069	(0.096)	0.198
24	2.00	0.90	0.300	0.069	(0.108)	0.231
25	2.08	0.80	0.267	0.069	(0.096)	0.198
26	2.17	0.90	0.300	0.069	(0.108)	0.231
27	2.25	0.90	0.300	0.069	(0.108)	0.231
28	2.33	0.90	0.300	0.069	(0.108)	0.231
29	2.42	0.90	0.300	0.069	(0.108)	0.231
30	2.50	0.90	0.300	0.069	(0.108)	0.231
31	2.58	0.90	0.300	0.069	(0.108)	0.231
32	2.67	0.90	0.300	0.069	(0.108)	0.231
33	2.75	1.00	0.333	0.069	(0.120)	0.264
34	2.83	1.00	0.333	0.069	(0.120)	0.264
35	2.92	1.00	0.333	0.069	(0.120)	0.264
36	3.00	1.00	0.333	0.069	(0.120)	0.264
37	3.08	1.00	0.333	0.069	(0.120)	0.264
38	3.17	1.10	0.367	0.069	(0.132)	0.298
39	3.25	1.10	0.367	0.069	(0.132)	0.298
40	3.33	1.10	0.367	0.069	(0.132)	0.298
41	3.42	1.20	0.400	0.069	(0.144)	0.331
42	3.50	1.30	0.433	0.069	(0.156)	0.364
43	3.58	1.40	0.467	0.069	(0.168)	0.398
44	3.67	1.40	0.467	0.069	(0.168)	0.398
45	3.75	1.50	0.500	0.069	(0.180)	0.431
46	3.83	1.50	0.500	0.069	(0.180)	0.431
47	3.92	1.60	0.533	0.069	(0.192)	0.464
48	4.00	1.60	0.533	0.069	(0.192)	0.464
49	4.08	1.70	0.567	0.069	(0.204)	0.497
50	4.17	1.80	0.600	0.069	(0.216)	0.531
51	4.25	1.90	0.633	0.069	(0.228)	0.564
52	4.33	2.00	0.667	0.069	(0.240)	0.597
53	4.42	2.10	0.700	0.069	(0.252)	0.631
54	4.50	2.10	0.700	0.069	(0.252)	0.631
55	4.58	2.20	0.733	0.069	(0.264)	0.664
56	4.67	2.30	0.767	0.069	(0.276)	0.697
57	4.75	2.40	0.800	0.069	(0.288)	0.731
58	4.83	2.40	0.800	0.069	(0.288)	0.731
59	4.92	2.50	0.833	0.069	(0.300)	0.764
60	5.00	2.60	0.867	0.069	(0.312)	0.797
61	5.08	3.10	1.033	0.069	(0.372)	0.964
62	5.17	3.60	1.200	0.069	(0.432)	1.131
63	5.25	3.90	1.300	0.069	(0.468)	1.231
64	5.33	4.20	1.400	0.069	(0.504)	1.331
65	5.42	4.70	1.566	0.069	(0.564)	1.497
66	5.50	5.60	1.866	0.069	(0.672)	1.797
67	5.58	1.90	0.633	0.069	(0.228)	0.564
68	5.67	0.90	0.300	0.069	(0.108)	0.231
69	5.75	0.60	0.200	0.069	(0.072)	0.131
70	5.83	0.50	0.167	(0.069)	0.060	0.107
71	5.92	0.30	0.100	(0.069)	0.036	0.064
72	6.00	0.20	0.067	(0.069)	0.024	0.043

(Loss Rate Not Used)

Sum = 100.0 Sum = 28.5

Flood volume = Effective rainfall 2.37(In)
times area 275.5(Ac.)/[(In)/(Ft.)] = 54.4(Ac.Ft)
Total soil loss = 0.41(In)
Total soil loss = 9.334(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 2371366.5 Cubic Feet
Total soil loss = 406584.1 Cubic Feet

Peak flow rate of this hydrograph = 418.868(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	125.0	250.0	375.0	500.0
0+ 5	0.0172	2.50	Q				
0+10	0.1333	16.85	VQ				
0+15	0.3234	27.60	V Q				
0+20	0.5459	32.32	V Q				
0+25	0.7838	34.54	V Q				
0+30	1.0340	36.33	V Q				
0+35	1.3165	41.02	V Q				
0+40	1.6170	43.62	|V Q				
0+45	1.9248	44.70	|V Q				
0+50	2.2364	45.24	|V Q				
0+55	2.5495	45.45	|V Q				
1+ 0	2.8684	46.31	| VQ				
1+ 5	3.2173	50.67	| V Q				
1+10	3.5829	53.08	| V Q				
1+15	3.9550	54.03	| V Q				
1+20	4.3304	54.51	| VQ				
1+25	4.7072	54.71	| VQ				
1+30	5.0846	54.79	| VQ				

```
1+35      5.4622     54.84  |   Q     |         |         |         |
1+40      5.8402     54.87  |   Q     |         |         |         |
1+45      6.2181     54.88  |   Q     |         |         |         |
1+50      6.5961     54.88  |   Q     |         |         |         |
1+55      6.9741     54.88  |   QV    |         |         |         |
2+ 0      7.3575     55.66  |   QV    |         |         |         |
2+ 5      7.7651     59.19  |   QV    |         |         |         |
2+10      8.1649     58.05  |   QV    |         |         |         |
2+15      8.5843     60.90  |   Q V   |         |         |         |
2+20      9.0171     62.84  |    QV   |         |         |         |
2+25      9.4544     63.49  |    QV   |         |         |         |
2+30      9.8940     63.84  |    Q V  |         |         |         |
2+35     10.3350     64.02  |    Q V  |         |         |         |
2+40     10.7763     64.08  |    Q V  |         |         |         |
2+45     11.2232     64.89  |    Q  V |         |         |         |
2+50     11.7000     69.22  |    Q  V |         |         |         |
2+55     12.1932     71.61  |    Q  V |         |         |         |
3+ 0     12.6928     72.54  |    Q   V|         |         |         |
3+ 5     13.1957     73.03  |    Q   V|         |         |         |
3+10     13.7055     74.01  |    Q    V         |         |         |
3+15     14.2454     78.40  |     Q   V         |         |         |
3+20     14.8021     80.83  |     Q   V         |         |         |
3+25     15.3708     82.58  |     Q   |V        |         |         |
3+30     15.9779     88.16  |      Q  |V        |         |         |
3+35     16.6379     95.83  |      Q  | V       |         |         |
3+40     17.3509    103.53  |       Q | V       |         |         |
3+45     18.0958    108.16  |       Q |  V      |         |         |
3+50     18.8817    114.12  |        Q|  V      |         |         |
3+55     19.6948    118.05  |        Q|   V     |         |         |
4+ 0     20.5462    123.62  |        Q|    V    |         |         |
4+ 5     21.4238    127.43  |         Q    V    |         |         |
4+10     22.3449    133.75  |         Q     V   |         |         |
4+15     23.3217    141.82  |         |Q     V  |         |         |
4+20     24.3581    150.49  |         | Q    V  |         |         |
4+25     25.4564    159.48  |         | Q     V |         |         |
4+30     26.6124    167.85  |         |  Q     V|         |         |
4+35     27.8022    172.74  |         |  Q      V         |         |
4+40     29.0390    179.59  |         |   Q     |V        |         |
4+45     30.3331    187.91  |         |    Q    | V       |         |
4+50     31.6823    195.90  |         |    Q    |  V      |         |
4+55     33.0642    200.65  |         |     Q   |   V     |         |
5+ 0     34.4929    207.45  |         |     Q   |    V    |         |
5+ 5     36.0002    218.86  |         |      Q  |     V   |         |
5+10     37.7078    247.95  |         |        Q|      V  |         |
5+15     39.6728    285.31  |         |         | Q      V|         |
5+20     41.8624    317.93  |         |         |    Q    V         |
5+25     44.2680    349.30  |         |         |      Q  | V       |
5+30     46.9635    391.38  |         |         |         |Q  V     |
5+35     49.8482    418.87  |         |         |         |  Q  V   |
5+40     51.7803    280.54  |         |         | Q       |       V |
5+45     52.8760    159.10  |         | Q       |         |       V |
5+50     53.5184     93.28  |       Q |         |         |        V|
5+55     53.9132     57.31  |    Q    |         |         |        V|
6+ 0     54.1571     35.42  | Q       |         |         |        V|
6+ 5     54.3109     22.34  |Q        |         |         |        V|
6+10     54.3858     10.87  Q         |         |         |        V|
6+15     54.4170      4.53  Q         |         |         |        V|
6+20     54.4298      1.85  Q         |         |         |        V|
6+25     54.4351      0.77  Q         |         |         |        V|
6+30     54.4374      0.34  Q         |         |         |        V|
6+35     54.4386      0.16  Q         |         |         |        V|
6+40     54.4390      0.06  Q         |         |         |        V|
6+45     54.4391      0.01  Q         |         |         |        V
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP4A24100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4A
2/09/24
------------------------------------------------------------------------
Drainage Area =     275.54(Ac.)  =      0.431 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     275.54(Ac.)  =
0.431 Sq. Mi.
Length along longest watercourse =    7331.00(Ft.)
Length along longest watercourse measured to centroid =    1747.00(Ft.)
Length along longest watercourse =      1.388 Mi.
Length along longest watercourse measured to centroid =      0.331 Mi.
Difference in elevation =     165.00(Ft.)
Slope along watercourse =    118.8378 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.108 Hr.
Lag time =     6.48 Min.
25% of lag time =     1.62 Min.
40% of lag time =     2.59 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      275.54              2.45                  675.07

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      275.54              6.08                 1675.28

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.95 %
Adjusted average point rain =    6.077(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     2.200           80.00          0.000
     0.460           84.00          0.000
     0.740           92.00          0.900
     2.300           94.00          0.900
     1.860           95.00          0.900
    10.070           77.00          0.750
    25.800           85.00          0.750
   104.580           90.00          0.750
    98.250           92.00          0.750
    13.240           68.00          0.200
     0.130           46.00          0.120
     1.790           65.00          0.120
     8.270           77.00          0.120
     5.850           82.00          0.120
 Total Area Entered =    275.54(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
80.0  80.0      0.244     0.000        0.244       0.008      0.002
84.0  84.0      0.198     0.000        0.198       0.002      0.000
92.0  92.0      0.104     0.900        0.020       0.003      0.000
94.0  94.0      0.078     0.900        0.015       0.008      0.000
95.0  95.0      0.065     0.900        0.012       0.007      0.000
77.0  77.0      0.279     0.750        0.091       0.037      0.003
85.0  85.0      0.187     0.750        0.061       0.094      0.006
90.0  90.0      0.130     0.750        0.042       0.380      0.016
92.0  92.0      0.104     0.750        0.034       0.357      0.012
68.0  68.0      0.384     0.200        0.315       0.048      0.015
46.0  46.0      0.611     0.120        0.545       0.000      0.000
65.0  65.0      0.416     0.120        0.371       0.006      0.002
77.0  77.0      0.279     0.120        0.249       0.030      0.007
82.0  82.0      0.221     0.120        0.197       0.021      0.004
                                                 Sum (F) =   0.069
Area averaged mean soil loss (F) (In/Hr) =  0.069
Minimum soil loss rate ((In/Hr)) =  0.035
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.360
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083         77.113          8.439            23.433
    2   0.167        154.225         46.509           129.153
    3   0.250        231.338         25.717            71.415
    4   0.333        308.451         10.067            27.955
    5   0.417        385.564          5.221            14.500
    6   0.500        462.676          2.212             6.143
```

7	0.583	539.789	0.806	2.237
8	0.667	616.902	0.549	1.526
9	0.750	694.015	0.376	1.044
10	0.833	771.127	0.103	0.287
			Sum = 100.000	Sum= 277.693

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.122)	0.018	0.031
2	0.17	0.07	0.049	(0.122)	0.018	0.031
3	0.25	0.07	0.049	(0.122)	0.018	0.031
4	0.33	0.10	0.073	(0.121)	0.026	0.047
5	0.42	0.10	0.073	(0.121)	0.026	0.047
6	0.50	0.10	0.073	(0.120)	0.026	0.047
7	0.58	0.10	0.073	(0.120)	0.026	0.047
8	0.67	0.10	0.073	(0.119)	0.026	0.047
9	0.75	0.10	0.073	(0.119)	0.026	0.047
10	0.83	0.13	0.097	(0.118)	0.035	0.062
11	0.92	0.13	0.097	(0.118)	0.035	0.062
12	1.00	0.13	0.097	(0.117)	0.035	0.062
13	1.08	0.10	0.073	(0.117)	0.026	0.047
14	1.17	0.10	0.073	(0.116)	0.026	0.047
15	1.25	0.10	0.073	(0.116)	0.026	0.047
16	1.33	0.10	0.073	(0.115)	0.026	0.047
17	1.42	0.10	0.073	(0.115)	0.026	0.047
18	1.50	0.10	0.073	(0.115)	0.026	0.047
19	1.58	0.10	0.073	(0.114)	0.026	0.047
20	1.67	0.10	0.073	(0.114)	0.026	0.047
21	1.75	0.10	0.073	(0.113)	0.026	0.047
22	1.83	0.13	0.097	(0.113)	0.035	0.062
23	1.92	0.13	0.097	(0.112)	0.035	0.062
24	2.00	0.13	0.097	(0.112)	0.035	0.062
25	2.08	0.13	0.097	(0.111)	0.035	0.062
26	2.17	0.13	0.097	(0.111)	0.035	0.062
27	2.25	0.13	0.097	(0.110)	0.035	0.062
28	2.33	0.13	0.097	(0.110)	0.035	0.062
29	2.42	0.13	0.097	(0.110)	0.035	0.062
30	2.50	0.13	0.097	(0.109)	0.035	0.062
31	2.58	0.17	0.122	(0.109)	0.044	0.078
32	2.67	0.17	0.122	(0.108)	0.044	0.078
33	2.75	0.17	0.122	(0.108)	0.044	0.078
34	2.83	0.17	0.122	(0.107)	0.044	0.078
35	2.92	0.17	0.122	(0.107)	0.044	0.078
36	3.00	0.17	0.122	(0.106)	0.044	0.078
37	3.08	0.17	0.122	(0.106)	0.044	0.078
38	3.17	0.17	0.122	(0.106)	0.044	0.078
39	3.25	0.17	0.122	(0.105)	0.044	0.078
40	3.33	0.17	0.122	(0.105)	0.044	0.078
41	3.42	0.17	0.122	(0.104)	0.044	0.078
42	3.50	0.17	0.122	(0.104)	0.044	0.078
43	3.58	0.17	0.122	(0.103)	0.044	0.078
44	3.67	0.17	0.122	(0.103)	0.044	0.078
45	3.75	0.17	0.122	(0.103)	0.044	0.078
46	3.83	0.20	0.146	(0.102)	0.053	0.093
47	3.92	0.20	0.146	(0.102)	0.053	0.093
48	4.00	0.20	0.146	(0.101)	0.053	0.093
49	4.08	0.20	0.146	(0.101)	0.053	0.093
50	4.17	0.20	0.146	(0.100)	0.053	0.093
51	4.25	0.20	0.146	(0.100)	0.053	0.093
52	4.33	0.23	0.170	(0.100)	0.061	0.109
53	4.42	0.23	0.170	(0.099)	0.061	0.109
54	4.50	0.23	0.170	(0.099)	0.061	0.109
55	4.58	0.23	0.170	(0.098)	0.061	0.109
56	4.67	0.23	0.170	(0.098)	0.061	0.109
57	4.75	0.23	0.170	(0.097)	0.061	0.109
58	4.83	0.27	0.194	(0.097)	0.070	0.124
59	4.92	0.27	0.194	(0.097)	0.070	0.124
60	5.00	0.27	0.194	(0.096)	0.070	0.124
61	5.08	0.20	0.146	(0.096)	0.053	0.093
62	5.17	0.20	0.146	(0.095)	0.053	0.093
63	5.25	0.20	0.146	(0.095)	0.053	0.093
64	5.33	0.23	0.170	(0.094)	0.061	0.109
65	5.42	0.23	0.170	(0.094)	0.061	0.109
66	5.50	0.23	0.170	(0.094)	0.061	0.109
67	5.58	0.27	0.194	(0.093)	0.070	0.124
68	5.67	0.27	0.194	(0.093)	0.070	0.124
69	5.75	0.27	0.194	(0.092)	0.070	0.124
70	5.83	0.27	0.194	(0.092)	0.070	0.124
71	5.92	0.27	0.194	(0.092)	0.070	0.124
72	6.00	0.27	0.194	(0.091)	0.070	0.124
73	6.08	0.30	0.219	(0.091)	0.079	0.140
74	6.17	0.30	0.219	(0.090)	0.079	0.140
75	6.25	0.30	0.219	(0.090)	0.079	0.140
76	6.33	0.30	0.219	(0.090)	0.079	0.140
77	6.42	0.30	0.219	(0.089)	0.079	0.140
78	6.50	0.30	0.219	(0.089)	0.079	0.140
79	6.58	0.33	0.243	(0.088)	0.088	0.156
80	6.67	0.33	0.243	(0.088)	0.088	0.156
81	6.75	0.33	0.243	(0.088)	0.088	0.156
82	6.83	0.33	0.243	0.087 (0.088)		0.156
83	6.92	0.33	0.243	0.087 (0.088)		0.156
84	7.00	0.33	0.243	0.086 (0.088)		0.157
85	7.08	0.33	0.243	0.086 (0.088)		0.157
86	7.17	0.33	0.243	0.086 (0.088)		0.157
87	7.25	0.33	0.243	0.085 (0.088)		0.158
88	7.33	0.37	0.267	0.085 (0.096)		0.183
89	7.42	0.37	0.267	0.084 (0.096)		0.183
90	7.50	0.37	0.267	0.084 (0.096)		0.183
91	7.58	0.40	0.292	0.084 (0.105)		0.208
92	7.67	0.40	0.292	0.083 (0.105)		0.208
93	7.75	0.40	0.292	0.083 (0.105)		0.209
94	7.83	0.43	0.316	0.083 (0.114)		0.233
95	7.92	0.43	0.316	0.082 (0.114)		0.234
96	8.00	0.43	0.316	0.082 (0.114)		0.234
97	8.08	0.50	0.365	0.081 (0.131)		0.283
98	8.17	0.50	0.365	0.081 (0.131)		0.284
99	8.25	0.50	0.365	0.081 (0.131)		0.284
100	8.33	0.50	0.365	0.080 (0.131)		0.284
101	8.42	0.50	0.365	0.080 (0.131)		0.285
102	8.50	0.50	0.365	0.080 (0.131)		0.285
103	8.58	0.53	0.389	0.079 (0.140)		0.310
104	8.67	0.53	0.389	0.079 (0.140)		0.310
105	8.75	0.53	0.389	0.078 (0.140)		0.311
106	8.83	0.57	0.413	0.078 (0.149)		0.335
107	8.92	0.57	0.413	0.078 (0.149)		0.336
108	9.00	0.57	0.413	0.077 (0.149)		0.336
109	9.08	0.63	0.462	0.077 (0.166)		0.385
110	9.17	0.63	0.462	0.077 (0.166)		0.385
111	9.25	0.63	0.462	0.076 (0.166)		0.386

112	9.33	0.67	0.486	0.076	(0.175)	0.410
113	9.42	0.67	0.486	0.075	(0.175)	0.411
114	9.50	0.67	0.486	0.075	(0.175)	0.411
115	9.58	0.70	0.510	0.075	(0.184)	0.436
116	9.67	0.70	0.510	0.074	(0.184)	0.436
117	9.75	0.70	0.510	0.074	(0.184)	0.436
118	9.83	0.73	0.535	0.074	(0.193)	0.461
119	9.92	0.73	0.535	0.073	(0.193)	0.461
120	10.00	0.73	0.535	0.073	(0.193)	0.462
121	10.08	0.50	0.365	0.073	(0.131)	0.292
122	10.17	0.50	0.365	0.072	(0.131)	0.292
123	10.25	0.50	0.365	0.072	(0.131)	0.293
124	10.33	0.50	0.365	0.072	(0.131)	0.293
125	10.42	0.50	0.365	0.071	(0.131)	0.293
126	10.50	0.50	0.365	0.071	(0.131)	0.294
127	10.58	0.67	0.486	0.071	(0.175)	0.416
128	10.67	0.67	0.486	0.070	(0.175)	0.416
129	10.75	0.67	0.486	0.070	(0.175)	0.416
130	10.83	0.67	0.486	0.069	(0.175)	0.417
131	10.92	0.67	0.486	0.069	(0.175)	0.417
132	11.00	0.67	0.486	0.069	(0.175)	0.417
133	11.08	0.63	0.462	0.068	(0.166)	0.393
134	11.17	0.63	0.462	0.068	(0.166)	0.394
135	11.25	0.63	0.462	0.068	(0.166)	0.394
136	11.33	0.63	0.462	0.067	(0.166)	0.394
137	11.42	0.63	0.462	0.067	(0.166)	0.395
138	11.50	0.63	0.462	0.067	(0.166)	0.395
139	11.58	0.57	0.413	0.066	(0.149)	0.347
140	11.67	0.57	0.413	0.066	(0.149)	0.347
141	11.75	0.57	0.413	0.066	(0.149)	0.347
142	11.83	0.60	0.438	0.065	(0.158)	0.372
143	11.92	0.60	0.438	0.065	(0.158)	0.372
144	12.00	0.60	0.438	0.065	(0.158)	0.373
145	12.08	0.83	0.608	0.064	(0.219)	0.543
146	12.17	0.83	0.608	0.064	(0.219)	0.544
147	12.25	0.83	0.608	0.064	(0.219)	0.544
148	12.33	0.87	0.632	0.064	(0.228)	0.568
149	12.42	0.87	0.632	0.063	(0.228)	0.569
150	12.50	0.87	0.632	0.063	(0.228)	0.569
151	12.58	0.93	0.681	0.063	(0.245)	0.618
152	12.67	0.93	0.681	0.062	(0.245)	0.618
153	12.75	0.93	0.681	0.062	(0.245)	0.619
154	12.83	0.97	0.705	0.062	(0.254)	0.643
155	12.92	0.97	0.705	0.061	(0.254)	0.644
156	13.00	0.97	0.705	0.061	(0.254)	0.644
157	13.08	1.13	0.826	0.061	(0.298)	0.766
158	13.17	1.13	0.826	0.060	(0.298)	0.766
159	13.25	1.13	0.826	0.060	(0.298)	0.766
160	13.33	1.13	0.826	0.060	(0.298)	0.767
161	13.42	1.13	0.826	0.059	(0.298)	0.767
162	13.50	1.13	0.826	0.059	(0.298)	0.767
163	13.58	0.77	0.559	0.059	(0.201)	0.500
164	13.67	0.77	0.559	0.059	(0.201)	0.500
165	13.75	0.77	0.559	0.058	(0.201)	0.501
166	13.83	0.77	0.559	0.058	(0.201)	0.501
167	13.92	0.77	0.559	0.058	(0.201)	0.501
168	14.00	0.77	0.559	0.057	(0.201)	0.502
169	14.08	0.90	0.656	0.057	(0.236)	0.599
170	14.17	0.90	0.656	0.057	(0.236)	0.599
171	14.25	0.90	0.656	0.057	(0.236)	0.600
172	14.33	0.87	0.632	0.056	(0.228)	0.576
173	14.42	0.87	0.632	0.056	(0.228)	0.576
174	14.50	0.87	0.632	0.056	(0.228)	0.576
175	14.58	0.87	0.632	0.055	(0.228)	0.577
176	14.67	0.87	0.632	0.055	(0.228)	0.577
177	14.75	0.87	0.632	0.055	(0.228)	0.577
178	14.83	0.83	0.608	0.055	(0.219)	0.553
179	14.92	0.83	0.608	0.054	(0.219)	0.553
180	15.00	0.83	0.608	0.054	(0.219)	0.554
181	15.08	0.80	0.583	0.054	(0.210)	0.530
182	15.17	0.80	0.583	0.053	(0.210)	0.530
183	15.25	0.80	0.583	0.053	(0.210)	0.530
184	15.33	0.77	0.559	0.053	(0.201)	0.506
185	15.42	0.77	0.559	0.053	(0.201)	0.506
186	15.50	0.77	0.559	0.052	(0.201)	0.507
187	15.58	0.63	0.462	0.052	(0.166)	0.410
188	15.67	0.63	0.462	0.052	(0.166)	0.410
189	15.75	0.63	0.462	0.052	(0.166)	0.410
190	15.83	0.63	0.462	0.051	(0.166)	0.411
191	15.92	0.63	0.462	0.051	(0.166)	0.411
192	16.00	0.63	0.462	0.051	(0.166)	0.411
193	16.08	0.13	0.097	(0.050)	0.035	0.062
194	16.17	0.13	0.097	(0.050)	0.035	0.062
195	16.25	0.13	0.097	(0.050)	0.035	0.062
196	16.33	0.13	0.097	(0.050)	0.035	0.062
197	16.42	0.13	0.097	(0.049)	0.035	0.062
198	16.50	0.13	0.097	(0.049)	0.035	0.062
199	16.58	0.10	0.073	(0.049)	0.026	0.047
200	16.67	0.10	0.073	(0.049)	0.026	0.047
201	16.75	0.10	0.073	(0.048)	0.026	0.047
202	16.83	0.10	0.073	(0.048)	0.026	0.047
203	16.92	0.10	0.073	(0.048)	0.026	0.047
204	17.00	0.10	0.073	(0.048)	0.026	0.047
205	17.08	0.17	0.122	(0.047)	0.044	0.078
206	17.17	0.17	0.122	(0.047)	0.044	0.078
207	17.25	0.17	0.122	(0.047)	0.044	0.078
208	17.33	0.17	0.122	(0.047)	0.044	0.078
209	17.42	0.17	0.122	(0.047)	0.044	0.078
210	17.50	0.17	0.122	(0.046)	0.044	0.078
211	17.58	0.17	0.122	(0.046)	0.044	0.078
212	17.67	0.17	0.122	(0.046)	0.044	0.078
213	17.75	0.17	0.122	(0.046)	0.044	0.078
214	17.83	0.13	0.097	(0.045)	0.035	0.062
215	17.92	0.13	0.097	(0.045)	0.035	0.062
216	18.00	0.13	0.097	(0.045)	0.035	0.062
217	18.08	0.13	0.097	(0.045)	0.035	0.062
218	18.17	0.13	0.097	(0.044)	0.035	0.062
219	18.25	0.13	0.097	(0.044)	0.035	0.062
220	18.33	0.13	0.097	(0.044)	0.035	0.062
221	18.42	0.13	0.097	(0.044)	0.035	0.062
222	18.50	0.13	0.097	(0.044)	0.035	0.062
223	18.58	0.10	0.073	(0.043)	0.026	0.047
224	18.67	0.10	0.073	(0.043)	0.026	0.047
225	18.75	0.10	0.073	(0.043)	0.026	0.047
226	18.83	0.07	0.049	(0.043)	0.018	0.031
227	18.92	0.07	0.049	(0.043)	0.018	0.031
228	19.00	0.07	0.049	(0.042)	0.018	0.031
229	19.08	0.10	0.073	(0.042)	0.026	0.047
230	19.17	0.10	0.073	(0.042)	0.026	0.047
231	19.25	0.10	0.073	(0.042)	0.026	0.047
232	19.33	0.13	0.097	(0.042)	0.035	0.062
233	19.42	0.13	0.097	(0.041)	0.035	0.062
234	19.50	0.13	0.097	(0.041)	0.035	0.062
235	19.58	0.10	0.073	(0.041)	0.026	0.047

236	19.67	0.10	0.073	(0.041)	0.026	0.047
237	19.75	0.10	0.073	(0.041)	0.026	0.047
238	19.83	0.07	0.049	(0.040)	0.018	0.031
239	19.92	0.07	0.049	(0.040)	0.018	0.031
240	20.00	0.07	0.049	(0.040)	0.018	0.031
241	20.08	0.10	0.073	(0.040)	0.026	0.047
242	20.17	0.10	0.073	(0.040)	0.026	0.047
243	20.25	0.10	0.073	(0.040)	0.026	0.047
244	20.33	0.10	0.073	(0.039)	0.026	0.047
245	20.42	0.10	0.073	(0.039)	0.026	0.047
246	20.50	0.10	0.073	(0.039)	0.026	0.047
247	20.58	0.10	0.073	(0.039)	0.026	0.047
248	20.67	0.10	0.073	(0.039)	0.026	0.047
249	20.75	0.10	0.073	(0.039)	0.026	0.047
250	20.83	0.07	0.049	(0.038)	0.018	0.031
251	20.92	0.07	0.049	(0.038)	0.018	0.031
252	21.00	0.07	0.049	(0.038)	0.018	0.031
253	21.08	0.10	0.073	(0.038)	0.026	0.047
254	21.17	0.10	0.073	(0.038)	0.026	0.047
255	21.25	0.10	0.073	(0.038)	0.026	0.047
256	21.33	0.07	0.049	(0.038)	0.018	0.031
257	21.42	0.07	0.049	(0.037)	0.018	0.031
258	21.50	0.07	0.049	(0.037)	0.018	0.031
259	21.58	0.10	0.073	(0.037)	0.026	0.047
260	21.67	0.10	0.073	(0.037)	0.026	0.047
261	21.75	0.10	0.073	(0.037)	0.026	0.047
262	21.83	0.07	0.049	(0.037)	0.018	0.031
263	21.92	0.07	0.049	(0.037)	0.018	0.031
264	22.00	0.07	0.049	(0.036)	0.018	0.031
265	22.08	0.10	0.073	(0.036)	0.026	0.047
266	22.17	0.10	0.073	(0.036)	0.026	0.047
267	22.25	0.10	0.073	(0.036)	0.026	0.047
268	22.33	0.07	0.049	(0.036)	0.018	0.031
269	22.42	0.07	0.049	(0.036)	0.018	0.031
270	22.50	0.07	0.049	(0.036)	0.018	0.031
271	22.58	0.07	0.049	(0.036)	0.018	0.031
272	22.67	0.07	0.049	(0.036)	0.018	0.031
273	22.75	0.07	0.049	(0.035)	0.018	0.031
274	22.83	0.07	0.049	(0.035)	0.018	0.031
275	22.92	0.07	0.049	(0.035)	0.018	0.031
276	23.00	0.07	0.049	(0.035)	0.018	0.031
277	23.08	0.07	0.049	(0.035)	0.018	0.031
278	23.17	0.07	0.049	(0.035)	0.018	0.031
279	23.25	0.07	0.049	(0.035)	0.018	0.031
280	23.33	0.07	0.049	(0.035)	0.018	0.031
281	23.42	0.07	0.049	(0.035)	0.018	0.031
282	23.50	0.07	0.049	(0.035)	0.018	0.031
283	23.58	0.07	0.049	(0.035)	0.018	0.031
284	23.67	0.07	0.049	(0.035)	0.018	0.031
285	23.75	0.07	0.049	(0.035)	0.018	0.031
286	23.83	0.07	0.049	(0.035)	0.018	0.031
287	23.92	0.07	0.049	(0.035)	0.018	0.031
288	24.00	0.07	0.049	(0.035)	0.018	0.031

(Loss Rate Not Used)

Sum = 100.0 Sum = 59.0

Flood volume = Effective rainfall 4.91(In)
times area 275.5(Ac.)/[(In)/(Ft.)] = 112.8(Ac.Ft)
Total soil loss = 1.16(In)
Total soil loss = 26.695(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 4915166.1 Cubic Feet
Total soil loss = 1162839.2 Cubic Feet

Peak flow rate of this hydrograph = 212.400(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	75.0	150.0	225.0	300.0
0+ 5	0.0050	0.73	Q				
0+10	0.0377	4.75	Q				
0+15	0.0858	6.97	Q				
0+20	0.1423	8.21	VQ				
0+25	0.2158	10.67	VQ				
0+30	0.2982	11.97	VQ				
0+35	0.3842	12.48	VQ				
0+40	0.4720	12.75	VQ				
0+45	0.5607	12.88	VQ				
0+50	0.6522	13.29	VQ				
0+55	0.7577	15.32	V Q				
1+ 0	0.8710	16.45	V Q				
1+ 5	0.9848	16.52	V Q				
1+10	1.0863	14.74	VQ				
1+15	1.1808	13.72	VQ				
1+20	1.2725	13.32	VQ				
1+25	1.3629	13.12	VQ				
1+30	1.4527	13.04	VQ				
1+35	1.5423	13.01	VQ				
1+40	1.6317	12.99	VQ				
1+45	1.7211	12.97	VQ				
1+50	1.8129	13.33	VQ				
1+55	1.9185	15.34	V Q				
2+ 0	2.0319	16.45	V Q				
2+ 5	2.1482	16.89	V Q				
2+10	2.2660	17.11	V Q				
2+15	2.3846	17.21	V Q				
2+20	2.5033	17.24	V Q				
2+25	2.6222	17.27	V Q				
2+30	2.7413	17.28	V Q				
2+35	2.8629	17.65	|VQ				
2+40	2.9983	19.66	|VQ				
2+45	3.1414	20.78	|VQ				
2+50	3.2874	21.21	|VQ				
2+55	3.4351	21.44	|VQ				
3+ 0	3.5833	21.53	|VQ				
3+ 5	3.7319	21.57	|VQ				
3+10	3.8806	21.59	|VQ				
3+15	4.0294	21.61	|VQ				
3+20	4.1782	21.61	|VQ				
3+25	4.3270	21.61	|VQ				
3+30	4.4759	21.61	|VQ				
3+35	4.6247	21.61	|VQ				
3+40	4.7735	21.61	|VQ				
3+45	4.9224	21.61	|VQ				
3+50	5.0737	21.98	|VQ				
3+55	5.2389	23.99	|V Q				
4+ 0	5.4118	25.10	|V Q				
4+ 5	5.5876	25.53	|V Q				
4+10	5.7650	25.76	| VQ				

4+15	5.9430	25.85	VQ				
4+20	6.1239	26.25	VQ				
4+25	6.3187	28.29	VQ				
4+30	6.5212	29.41	VQ				
4+35	6.7269	29.85	VQ				
4+40	6.9340	30.08	V Q				
4+45	7.1418	30.18	V Q				
4+50	7.3524	30.58	V Q				
4+55	7.5770	32.61	V Q				
5+ 0	7.8093	33.74	V Q				
5+ 5	8.0397	33.45	V Q				
5+10	8.2439	29.65	VQ				
5+15	8.4335	27.52	VQ				
5+20	8.6198	27.05	Q				
5+25	8.8170	28.64	Q				
5+30	9.0207	29.57	Q				
5+35	9.2294	30.31	VQ				
5+40	9.4532	32.50	VQ				
5+45	9.6851	33.67	VQ				
5+50	9.9202	34.13	VQ				
5+55	10.1570	34.38	VQ				
6+ 0	10.3945	34.49	VQ				
6+ 5	10.6349	34.90	VQ				
6+10	10.8892	36.93	VQ				
6+15	11.1513	38.06	V Q				
6+20	11.4165	38.50	VQ				
6+25	11.6832	38.72	VQ				
6+30	11.9505	38.82	VQ				
6+35	12.2206	39.22	VQ				
6+40	12.5048	41.25	VQ				
6+45	12.7966	42.38	VQ				
6+50	13.0916	42.83	VQ				
6+55	13.3885	43.10	VQ				
7+ 0	13.6865	43.28	VQ				
7+ 5	13.9855	43.41	VQ				
7+10	14.2854	43.54	Q				
7+15	14.5861	43.66	Q				
7+20	14.8915	44.35	Q				
7+25	15.2193	47.59	VQ				
7+30	15.5598	49.44	VQ				
7+35	15.9096	50.80	VQ				
7+40	16.2843	54.40	V Q				
7+45	16.6726	56.39	V Q				
7+50	17.0707	57.80	VQ				
7+55	17.4939	61.44	V Q				
8+ 0	17.9309	63.46	V Q				
8+ 5	18.3816	65.44	V Q				
8+10	18.8790	72.22	V Q				
8+15	19.4022	75.97	V Q				
8+20	19.9360	77.50	V Q				
8+25	20.4756	78.35	V Q				
8+30	21.0181	78.78	V Q				
8+35	21.5661	79.57	V Q				
8+40	22.1369	82.89	V Q				
8+45	22.7208	84.78	V Q				
8+50	23.3141	86.14	V Q				
8+55	23.9321	89.74	V Q				
9+ 0	24.5639	91.73	V Q				
9+ 5	25.2092	93.71	V Q				
9+10	25.9012	100.48	V Q				
9+15	26.6191	104.23	V Q				
9+20	27.3513	106.32	V Q				
9+25	28.1110	110.31	V Q				
9+30	28.8856	112.47	V Q				
9+35	29.6702	113.93	V Q				
9+40	30.4802	117.60	V Q				
9+45	31.3041	119.64	V Q				
9+50	32.1378	121.06	V Q				
9+55	32.9966	124.69	V Q				
10+ 0	33.8691	126.70	V Q				
10+ 5	34.7200	123.55	V Q				
10+10	35.4228	102.05	VQ				
10+15	36.0438	90.16	Q				
10+20	36.6330	85.56	QV				
10+25	37.2063	83.23	Q V				
10+30	37.7731	82.31	Q V				
10+35	38.3577	84.88	Q V				
10+40	39.0493	100.42	Q				
10+45	39.8001	109.02	Q				
10+50	40.5747	112.47	Q				
10+55	41.3620	114.33	VQ				
11+ 0	42.1552	115.17	VQ				
11+ 5	42.9470	114.97	Q				
11+10	43.7191	112.10	QV				
11+15	44.4807	110.59	QV				
11+20	45.2385	110.04	Q V				
11+25	45.9946	109.78	Q V				
11+30	46.7502	109.72	Q V				
11+35	47.4983	108.62	Q V				
11+40	48.2035	102.39	Q V				
11+45	48.8852	98.99	Q V				
11+50	49.5621	98.28	Q V				
11+55	50.2563	100.81	Q V				
12+ 0	50.9611	102.34	Q V				
12+ 5	51.6980	106.99	Q V				
12+10	52.5888	129.34	QV				
12+15	53.5646	141.69	Q				
12+20	54.5780	147.15	Q				
12+25	55.6309	152.88	VQ				
12+30	56.7038	155.78	Q				
12+35	57.7925	158.08	VQ				
12+40	58.9292	165.06	V Q				
12+45	60.0928	168.95	VQ				
12+50	61.2710	171.07	VQ				
12+55	62.4764	175.04	VQ				
13+ 0	63.6967	177.19	VQ				
13+ 5	64.9427	180.92	VQ				
13+10	66.3004	197.14	V Q				
13+15	67.7199	206.11	V Q				
13+20	69.1638	209.66	V Q				
13+25	70.6207	211.54	V Q				
13+30	72.0835	212.40	V Q				
13+35	73.5057	206.49	VQ				
13+40	74.6917	172.21	Q V				
13+45	75.7476	153.32	Q V				
13+50	76.7529	145.96	Q V				
13+55	77.7319	142.16	Q V				
14+ 0	78.7003	140.60	Q V				
14+ 5	79.6808	142.37	Q V				
14+10	80.7455	154.60	Q V				
14+15	81.8568	161.35	Q V				
14+20	82.9829	163.51	Q V				
14+25	84.0976	161.86	Q V				
14+30	85.2050	160.80	Q V				

| | | |

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP4B3100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      15.19(Ac.)  =      0.024 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      15.19(Ac.)  =
0.024 Sq. Mi.
Length along longest watercourse =    1053.00(Ft.)
Length along longest watercourse measured to centroid =     373.00(Ft.)
Length along longest watercourse =      0.199 Mi.
Length along longest watercourse measured to centroid =      0.071 Mi.
Difference in elevation =     175.00(Ft.)
Slope along watercourse =    877.4929 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.046 Hr.
Lag time =     2.75 Min.
25% of lag time =     0.69 Min.
40% of lag time =     1.10 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       15.19              0.94                   14.28

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       15.19              1.97                   29.92

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.100           70.00          0.000
     9.790           80.00          0.000
     1.730           84.00          0.000
     2.080           65.00          0.120
     0.720           77.00          0.120
     0.770           82.00          0.120
 Total Area Entered =     15.19(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.007      0.002
80.0  80.0      0.244     0.000        0.244       0.645      0.157
84.0  84.0      0.198     0.000        0.198       0.114      0.023
65.0  65.0      0.416     0.120        0.371       0.137      0.051
77.0  77.0      0.279     0.120        0.249       0.047      0.012
82.0  82.0      0.221     0.120        0.197       0.051      0.010
                                                 Sum (F) =   0.255
Area averaged mean soil loss (F) (In/Hr) =  0.255
Minimum soil loss rate ((In/Hr)) =  0.127
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        181.629         38.392             5.877
    2   0.167        363.258         51.705             7.915
    3   0.250        544.887          8.316             1.273
    4   0.333        726.516          1.587             0.243
                              Sum = 100.000   Sum=      15.309
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     1.30      0.307          0.255    (  0.277)       0.052
  2   0.17     1.30      0.307          0.255    (  0.277)       0.052
  3   0.25     1.10      0.260       (  0.255)       0.234       0.026
  4   0.33     1.50      0.355          0.255    (  0.319)       0.100
  5   0.42     1.50      0.355          0.255    (  0.319)       0.100
  6   0.50     1.80      0.425          0.255    (  0.383)       0.171
  7   0.58     1.50      0.355          0.255    (  0.319)       0.100
  8   0.67     1.80      0.425          0.255    (  0.383)       0.171
  9   0.75     1.80      0.425          0.255    (  0.383)       0.171
```

10	0.83	1.50	0.355	0.255	(0.319)	0.100
11	0.92	1.60	0.378	0.255	(0.340)	0.123
12	1.00	1.80	0.425	0.255	(0.383)	0.171
13	1.08	2.20	0.520	0.255	(0.468)	0.265
14	1.17	2.20	0.520	0.255	(0.468)	0.265
15	1.25	2.20	0.520	0.255	(0.468)	0.265
16	1.33	2.00	0.473	0.255	(0.425)	0.218
17	1.42	2.60	0.615	0.255	(0.553)	0.360
18	1.50	2.70	0.638	0.255	(0.574)	0.383
19	1.58	2.40	0.567	0.255	(0.511)	0.312
20	1.67	2.70	0.638	0.255	(0.574)	0.383
21	1.75	3.30	0.780	0.255	(0.702)	0.525
22	1.83	3.10	0.733	0.255	(0.660)	0.478
23	1.92	2.90	0.686	0.255	(0.617)	0.431
24	2.00	3.00	0.709	0.255	(0.638)	0.454
25	2.08	3.10	0.733	0.255	(0.660)	0.478
26	2.17	4.20	0.993	0.255	(0.894)	0.738
27	2.25	5.00	1.182	0.255	(1.064)	0.927
28	2.33	3.50	0.827	0.255	(0.745)	0.572
29	2.42	6.80	1.607	0.255	(1.447)	1.353
30	2.50	7.30	1.726	0.255	(1.553)	1.471
31	2.58	8.20	1.938	0.255	(1.745)	1.683
32	2.67	5.90	1.395	0.255	(1.255)	1.140
33	2.75	2.00	0.473	0.255	(0.425)	0.218
34	2.83	1.80	0.425	0.255	(0.383)	0.171
35	2.92	1.80	0.425	0.255	(0.383)	0.171
36	3.00	0.60	0.142	(0.255)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.6

Flood volume = Effective rainfall 1.22(In)
times area 15.2(Ac.)/[(In)/(Ft.)] = 1.5(Ac.Ft)
Total soil loss = 0.75(In)
Total soil loss = 0.952(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 67138.9 Cubic Feet
Total soil loss = 41479.1 Cubic Feet

Peak flow rate of this hydrograph = 23.409(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 7.5 15.0 22.5 30.0
0+ 5	0.0021	0.31	Q
0+10	0.0071	0.72	Q
0+15	0.0115	0.63	Q
0+20	0.0175	0.87	VQ
0+25	0.0273	1.42	VQ
0+30	0.0405	1.93	|VQ
0+35	0.0549	2.09	|VQ
0+40	0.0689	2.03	|VQ
0+45	0.0863	2.52	| VQ
0+50	0.1013	2.18	| Q
0+55	0.1135	1.77	| Q
1+ 0	0.1283	2.15	| QV
1+ 5	0.1496	3.09	| VQ
1+10	0.1765	3.91	| VQ
1+15	0.2044	4.04	| Q
1+20	0.2304	3.78	| Q
1+25	0.2596	4.24	| QV
1+30	0.2971	5.45	| Q
1+35	0.3342	5.38	| QV
1+40	0.3708	5.30	| Q V|
1+45	0.4163	6.62	| Q V
1+50	0.4682	7.53	| Q V
1+55	0.5170	7.08	| Q| V
2+ 0	0.5639	6.82	| Q| V
2+ 5	0.6126	7.07	| Q| V
2+10	0.6733	8.81	| |Q V
2+15	0.7560	12.01	| | Q V|
2+20	0.8371	11.76	| | Q |V
2+25	0.9324	13.85	| | Q | V
2+30	1.0723	20.31	| | | Q |
2+35	1.2335	23.41	| | | |QV
2+40	1.3867	22.24	| | | Q| V
2+45	1.4749	12.81	| | Q | | V |
2+50	1.5065	4.59	| Q | | | V|
2+55	1.5266	2.91	| Q | | | V|
3+ 0	1.5383	1.70	| Q | | | V|
3+ 5	1.5409	0.37	Q | | | V|
3+10	1.5413	0.06	Q | | | V|
3+15	1.5413	0.00	Q | | | V|

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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP4B6100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      15.19(Ac.)  =      0.024 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      15.19(Ac.)  =
0.024 Sq. Mi.
Length along longest watercourse =    1053.00(Ft.)
Length along longest watercourse measured to centroid =     373.00(Ft.)
Length along longest watercourse =      0.199 Mi.
Length along longest watercourse measured to centroid =      0.071 Mi.
Difference in elevation =     175.00(Ft.)
Slope along watercourse =    877.4929 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.046 Hr.
Lag time =     2.75 Min.
25% of lag time =     0.69 Min.
40% of lag time =     1.10 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      15.19              1.35                   20.51

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      15.19              2.78                   42.23

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.100           70.00          0.000
     9.790           80.00          0.000
     1.730           84.00          0.000
     2.080           65.00          0.120
     0.720           77.00          0.120
     0.770           82.00          0.120
 Total Area Entered =     15.19(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.007      0.002
80.0  80.0      0.244     0.000        0.244       0.645      0.157
84.0  84.0      0.198     0.000        0.198       0.114      0.023
65.0  65.0      0.416     0.120        0.371       0.137      0.051
77.0  77.0      0.279     0.120        0.249       0.047      0.012
82.0  82.0      0.221     0.120        0.197       0.051      0.010
                                                 Sum (F) =   0.255
Area averaged mean soil loss (F) (In/Hr) =  0.255
Minimum soil loss rate ((In/Hr)) =  0.127
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        181.629         38.392             5.877
    2   0.167        363.258         51.705             7.915
    3   0.250        544.887          8.316             1.273
    4   0.333        726.516          1.587             0.243
                              Sum = 100.000   Sum=      15.309
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)        Max   |   Low         (In/Hr)
  1   0.08     0.50      0.167       (  0.255)      0.150        0.017
  2   0.17     0.60      0.200       (  0.255)      0.180        0.020
  3   0.25     0.60      0.200       (  0.255)      0.180        0.020
  4   0.33     0.60      0.200       (  0.255)      0.180        0.020
  5   0.42     0.60      0.200       (  0.255)      0.180        0.020
  6   0.50     0.70      0.234       (  0.255)      0.210        0.023
  7   0.58     0.70      0.234       (  0.255)      0.210        0.023
  8   0.67     0.70      0.234       (  0.255)      0.210        0.023
  9   0.75     0.70      0.234       (  0.255)      0.210        0.023
```

10	0.83	0.70	0.234	(0.255)	0.210	0.023
11	0.92	0.70	0.234	(0.255)	0.210	0.023
12	1.00	0.80	0.267	(0.255)	0.240	0.027
13	1.08	0.80	0.267	(0.255)	0.240	0.027
14	1.17	0.80	0.267	(0.255)	0.240	0.027
15	1.25	0.80	0.267	(0.255)	0.240	0.027
16	1.33	0.80	0.267	(0.255)	0.240	0.027
17	1.42	0.80	0.267	(0.255)	0.240	0.027
18	1.50	0.80	0.267	(0.255)	0.240	0.027
19	1.58	0.80	0.267	(0.255)	0.240	0.027
20	1.67	0.80	0.267	(0.255)	0.240	0.027
21	1.75	0.80	0.267	(0.255)	0.240	0.027
22	1.83	0.80	0.267	(0.255)	0.240	0.027
23	1.92	0.80	0.267	(0.255)	0.240	0.027
24	2.00	0.90	0.300	0.255 (0.270)	0.045	
25	2.08	0.80	0.267	(0.255)	0.240	0.027
26	2.17	0.90	0.300	0.255 (0.270)	0.045	
27	2.25	0.90	0.300	0.255 (0.270)	0.045	
28	2.33	0.90	0.300	0.255 (0.270)	0.045	
29	2.42	0.90	0.300	0.255 (0.270)	0.045	
30	2.50	0.90	0.300	0.255 (0.270)	0.045	
31	2.58	0.90	0.300	0.255 (0.270)	0.045	
32	2.67	0.90	0.300	0.255 (0.270)	0.045	
33	2.75	1.00	0.334	0.255 (0.300)	0.079	
34	2.83	1.00	0.334	0.255 (0.300)	0.079	
35	2.92	1.00	0.334	0.255 (0.300)	0.079	
36	3.00	1.00	0.334	0.255 (0.300)	0.079	
37	3.08	1.00	0.334	0.255 (0.300)	0.079	
38	3.17	1.10	0.367	0.255 (0.330)	0.112	
39	3.25	1.10	0.367	0.255 (0.330)	0.112	
40	3.33	1.10	0.367	0.255 (0.330)	0.112	
41	3.42	1.20	0.400	0.255 (0.360)	0.145	
42	3.50	1.30	0.434	0.255 (0.390)	0.179	
43	3.58	1.40	0.467	0.255 (0.420)	0.212	
44	3.67	1.40	0.467	0.255 (0.420)	0.212	
45	3.75	1.50	0.500	0.255 (0.450)	0.246	
46	3.83	1.50	0.500	0.255 (0.450)	0.246	
47	3.92	1.60	0.534	0.255 (0.480)	0.279	
48	4.00	1.60	0.534	0.255 (0.480)	0.279	
49	4.08	1.70	0.567	0.255 (0.510)	0.312	
50	4.17	1.80	0.600	0.255 (0.540)	0.346	
51	4.25	1.90	0.634	0.255 (0.570)	0.379	
52	4.33	2.00	0.667	0.255 (0.600)	0.412	
53	4.42	2.10	0.701	0.255 (0.630)	0.446	
54	4.50	2.10	0.701	0.255 (0.630)	0.446	
55	4.58	2.20	0.734	0.255 (0.660)	0.479	
56	4.67	2.30	0.767	0.255 (0.691)	0.512	
57	4.75	2.40	0.801	0.255 (0.721)	0.546	
58	4.83	2.40	0.801	0.255 (0.721)	0.546	
59	4.92	2.50	0.834	0.255 (0.751)	0.579	
60	5.00	2.60	0.867	0.255 (0.781)	0.612	
61	5.08	3.10	1.034	0.255 (0.931)	0.779	
62	5.17	3.60	1.201	0.255 (1.081)	0.946	
63	5.25	3.90	1.301	0.255 (1.171)	1.046	
64	5.33	4.20	1.401	0.255 (1.261)	1.146	
65	5.42	4.70	1.568	0.255 (1.411)	1.313	
66	5.50	5.60	1.868	0.255 (1.681)	1.613	
67	5.58	1.90	0.634	0.255 (0.570)	0.379	
68	5.67	0.90	0.300	0.255 (0.270)	0.045	
69	5.75	0.60	0.200	(0.255) 0.180	0.020	
70	5.83	0.50	0.167	(0.255) 0.150	0.017	
71	5.92	0.30	0.100	(0.255) 0.090	0.010	
72	6.00	0.20	0.067	(0.255)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.4

Flood volume = Effective rainfall 1.37(In)
times area 15.2(Ac.)/[(In)/(Ft.)] = 1.7(Ac.Ft)
Total soil loss = 1.41(In)
Total soil loss = 1.788(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 75403.2 Cubic Feet
Total soil loss = 77877.1 Cubic Feet

Peak flow rate of this hydrograph = 21.598(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0007	0.10	Q				
0+10	0.0024	0.25	Q				
0+15	0.0044	0.30	Q				
0+20	0.0065	0.31	Q				
0+25	0.0087	0.31	Q				
0+30	0.0109	0.33	Q				
0+35	0.0133	0.35	Q				
0+40	0.0158	0.36	Q				
0+45	0.0183	0.36	Q				
0+50	0.0207	0.36	Q				
0+55	0.0232	0.36	Q				
1+ 0	0.0258	0.38	Q				
1+ 5	0.0286	0.40	Q				
1+10	0.0314	0.41	Q				
1+15	0.0342	0.41	Q				
1+20	0.0370	0.41	Q				
1+25	0.0398	0.41	Q				
1+30	0.0426	0.41	Q				
1+35	0.0454	0.41	QV				
1+40	0.0483	0.41	QV				
1+45	0.0511	0.41	QV				
1+50	0.0539	0.41	QV				
1+55	0.0567	0.41	QV				
2+ 0	0.0603	0.52	QV				
2+ 5	0.0641	0.56	QV				
2+10	0.0678	0.54	QV				
2+15	0.0725	0.67	QV				
2+20	0.0772	0.69	QV				
2+25	0.0820	0.69	QV				
2+30	0.0868	0.69	Q V				
2+35	0.0916	0.69	Q V				
2+40	0.0964	0.69	Q V				
2+45	0.1025	0.89	|QV				
2+50	0.1105	1.16	|QV				
2+55	0.1187	1.20	|QV				
3+ 0	0.1270	1.21	|QV				
3+ 5	0.1353	1.21	|Q V				
3+10	0.1450	1.40	|Q V				
3+15	0.1564	1.67	| QV				
3+20	0.1682	1.71	| QV				

```
   3+25       0.1814      1.91  | Q V     |         |         |         |
   3+30       0.1977      2.37  |  QV     |         |         |         |
   3+35       0.2175      2.88  |  Q V    |         |         |         |
   3+40       0.2395      3.19  |   QV    |         |         |         |
   3+45       0.2632      3.44  |   Q V   |         |         |         |
   3+50       0.2887      3.71  |   Q V   |         |         |         |
   3+55       0.3159      3.95  |    Q V  |         |         |         |
   4+ 0       0.3450      4.22  |    Q V  |         |         |         |
   4+ 5       0.3757      4.46  |    Q  V |         |         |         |
   4+10       0.4096      4.93  |     Q  V|         |         |         |
   4+15       0.4470      5.43  |      Q  V         |         |         |
   4+20       0.4880      5.94  |      Q  |V        |         |         |
   4+25       0.5324      6.45  |       Q | V       |         |         |
   4+30       0.5790      6.77  |        Q|  V      |         |         |
   4+35       0.6273      7.01  |        Q|   V     |         |         |
   4+40       0.6788      7.48  |         Q|    V   |         |         |
   4+45       0.7338      7.99  |          Q     V  |         |         |
   4+50       0.7910      8.30  |          |Q      V |         |         |
   4+55       0.8499      8.55  |          |Q       V|         |         |
   5+ 0       0.9119      9.02  |          | Q       |V        |         |
   5+ 5       0.9829     10.30  |          |  Q      | V       |         |
   5+10       1.0701     12.65  |          |     Q   |   V     |         |
   5+15       1.1719     14.78  |          |        Q|      V  |         |
   5+20       1.2850     16.42  |          |         |Q       V|         |
   5+25       1.4114     18.36  |          |         |   Q     | V       |
   5+30       1.5602     21.60  |          |         |       Q |     V   |
   5+35       1.6769     16.95  |          |         | Q       |       V |
   5+40       1.7158      5.64  |       Q  |         |         |        V|
   5+45       1.7251      1.35  |Q         |         |         |        V|
   5+50       1.7279      0.41  Q          |         |         |        V|
   5+55       1.7295      0.23  Q          |         |         |        V|
   6+ 0       1.7305      0.14  Q          |         |         |        V|
   6+ 5       1.7309      0.07  Q          |         |         |        V|
   6+10       1.7310      0.01  Q          |         |         |        V|
   6+15       1.7310      0.00  Q          |         |         |         V
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP4B24100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      15.19(Ac.)  =      0.024 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      15.19(Ac.)  =
0.024 Sq. Mi.
Length along longest watercourse =    1053.00(Ft.)
Length along longest watercourse measured to centroid =     373.00(Ft.)
Length along longest watercourse =      0.199 Mi.
Length along longest watercourse measured to centroid =      0.071 Mi.
Difference in elevation =     175.00(Ft.)
Slope along watercourse =    877.4929 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.046 Hr.
Lag time =     2.75 Min.
25% of lag time =     0.69 Min.
40% of lag time =     1.10 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      15.19              2.45                   37.22

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      15.19              6.08                   92.36

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.100           70.00          0.000
     9.790           80.00          0.000
     1.730           84.00          0.000
     2.080           65.00          0.120
     0.720           77.00          0.120
     0.770           82.00          0.120
 Total Area Entered =     15.19(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.007      0.002
80.0  80.0      0.244     0.000        0.244       0.645      0.157
84.0  84.0      0.198     0.000        0.198       0.114      0.023
65.0  65.0      0.416     0.120        0.371       0.137      0.051
77.0  77.0      0.279     0.120        0.249       0.047      0.012
82.0  82.0      0.221     0.120        0.197       0.051      0.010
                                                 Sum (F) =   0.255
Area averaged mean soil loss (F) (In/Hr) =  0.255
Minimum soil loss rate ((In/Hr)) =  0.127
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        181.629         38.392             5.877
    2   0.167        363.258         51.705             7.915
    3   0.250        544.887          8.316             1.273
    4   0.333        726.516          1.587             0.243
                              Sum = 100.000   Sum=      15.309
--------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)        Max   |   Low         (In/Hr)
  1   0.08     0.07      0.049       (  0.452)      0.044        0.005
  2   0.17     0.07      0.049       (  0.450)      0.044        0.005
  3   0.25     0.07      0.049       (  0.448)      0.044        0.005
  4   0.33     0.10      0.073       (  0.447)      0.066        0.007
  5   0.42     0.10      0.073       (  0.445)      0.066        0.007
  6   0.50     0.10      0.073       (  0.443)      0.066        0.007
  7   0.58     0.10      0.073       (  0.441)      0.066        0.007
  8   0.67     0.10      0.073       (  0.440)      0.066        0.007
  9   0.75     0.10      0.073       (  0.438)      0.066        0.007
```

10	0.83	0.13	0.097	(0.436)	0.088	0.010
11	0.92	0.13	0.097	(0.434)	0.088	0.010
12	1.00	0.13	0.097	(0.433)	0.088	0.010
13	1.08	0.10	0.073	(0.431)	0.066	0.007
14	1.17	0.10	0.073	(0.429)	0.066	0.007
15	1.25	0.10	0.073	(0.428)	0.066	0.007
16	1.33	0.10	0.073	(0.426)	0.066	0.007
17	1.42	0.10	0.073	(0.424)	0.066	0.007
18	1.50	0.10	0.073	(0.423)	0.066	0.007
19	1.58	0.10	0.073	(0.421)	0.066	0.007
20	1.67	0.10	0.073	(0.419)	0.066	0.007
21	1.75	0.10	0.073	(0.418)	0.066	0.007
22	1.83	0.13	0.097	(0.416)	0.088	0.010
23	1.92	0.13	0.097	(0.414)	0.088	0.010
24	2.00	0.13	0.097	(0.412)	0.088	0.010
25	2.08	0.13	0.097	(0.411)	0.088	0.010
26	2.17	0.13	0.097	(0.409)	0.088	0.010
27	2.25	0.13	0.097	(0.407)	0.088	0.010
28	2.33	0.13	0.097	(0.406)	0.088	0.010
29	2.42	0.13	0.097	(0.404)	0.088	0.010
30	2.50	0.13	0.097	(0.403)	0.088	0.010
31	2.58	0.17	0.122	(0.401)	0.109	0.012
32	2.67	0.17	0.122	(0.399)	0.109	0.012
33	2.75	0.17	0.122	(0.398)	0.109	0.012
34	2.83	0.17	0.122	(0.396)	0.109	0.012
35	2.92	0.17	0.122	(0.394)	0.109	0.012
36	3.00	0.17	0.122	(0.393)	0.109	0.012
37	3.08	0.17	0.122	(0.391)	0.109	0.012
38	3.17	0.17	0.122	(0.389)	0.109	0.012
39	3.25	0.17	0.122	(0.388)	0.109	0.012
40	3.33	0.17	0.122	(0.386)	0.109	0.012
41	3.42	0.17	0.122	(0.385)	0.109	0.012
42	3.50	0.17	0.122	(0.383)	0.109	0.012
43	3.58	0.17	0.122	(0.381)	0.109	0.012
44	3.67	0.17	0.122	(0.380)	0.109	0.012
45	3.75	0.17	0.122	(0.378)	0.109	0.012
46	3.83	0.20	0.146	(0.377)	0.131	0.015
47	3.92	0.20	0.146	(0.375)	0.131	0.015
48	4.00	0.20	0.146	(0.373)	0.131	0.015
49	4.08	0.20	0.146	(0.372)	0.131	0.015
50	4.17	0.20	0.146	(0.370)	0.131	0.015
51	4.25	0.20	0.146	(0.369)	0.131	0.015
52	4.33	0.23	0.170	(0.367)	0.153	0.017
53	4.42	0.23	0.170	(0.366)	0.153	0.017
54	4.50	0.23	0.170	(0.364)	0.153	0.017
55	4.58	0.23	0.170	(0.362)	0.153	0.017
56	4.67	0.23	0.170	(0.361)	0.153	0.017
57	4.75	0.23	0.170	(0.359)	0.153	0.017
58	4.83	0.27	0.195	(0.358)	0.175	0.019
59	4.92	0.27	0.195	(0.356)	0.175	0.019
60	5.00	0.27	0.195	(0.355)	0.175	0.019
61	5.08	0.20	0.146	(0.353)	0.131	0.015
62	5.17	0.20	0.146	(0.352)	0.131	0.015
63	5.25	0.20	0.146	(0.350)	0.131	0.015
64	5.33	0.23	0.170	(0.349)	0.153	0.017
65	5.42	0.23	0.170	(0.347)	0.153	0.017
66	5.50	0.23	0.170	(0.345)	0.153	0.017
67	5.58	0.27	0.195	(0.344)	0.175	0.019
68	5.67	0.27	0.195	(0.342)	0.175	0.019
69	5.75	0.27	0.195	(0.341)	0.175	0.019
70	5.83	0.27	0.195	(0.339)	0.175	0.019
71	5.92	0.27	0.195	(0.338)	0.175	0.019
72	6.00	0.27	0.195	(0.336)	0.175	0.019
73	6.08	0.30	0.219	(0.335)	0.197	0.022
74	6.17	0.30	0.219	(0.333)	0.197	0.022
75	6.25	0.30	0.219	(0.332)	0.197	0.022
76	6.33	0.30	0.219	(0.330)	0.197	0.022
77	6.42	0.30	0.219	(0.329)	0.197	0.022
78	6.50	0.30	0.219	(0.328)	0.197	0.022
79	6.58	0.33	0.243	(0.326)	0.219	0.024
80	6.67	0.33	0.243	(0.325)	0.219	0.024
81	6.75	0.33	0.243	(0.323)	0.219	0.024
82	6.83	0.33	0.243	(0.322)	0.219	0.024
83	6.92	0.33	0.243	(0.320)	0.219	0.024
84	7.00	0.33	0.243	(0.319)	0.219	0.024
85	7.08	0.33	0.243	(0.317)	0.219	0.024
86	7.17	0.33	0.243	(0.316)	0.219	0.024
87	7.25	0.33	0.243	(0.314)	0.219	0.024
88	7.33	0.37	0.268	(0.313)	0.241	0.027
89	7.42	0.37	0.268	(0.312)	0.241	0.027
90	7.50	0.37	0.268	(0.310)	0.241	0.027
91	7.58	0.40	0.292	(0.309)	0.263	0.029
92	7.67	0.40	0.292	(0.307)	0.263	0.029
93	7.75	0.40	0.292	(0.306)	0.263	0.029
94	7.83	0.43	0.316	(0.304)	0.285	0.032
95	7.92	0.43	0.316	(0.303)	0.285	0.032
96	8.00	0.43	0.316	(0.302)	0.285	0.032
97	8.08	0.50	0.365	0.300	(0.328)	0.065
98	8.17	0.50	0.365	0.299	(0.328)	0.066
99	8.25	0.50	0.365	0.297	(0.328)	0.067
100	8.33	0.50	0.365	0.296	(0.328)	0.069
101	8.42	0.50	0.365	0.295	(0.328)	0.070
102	8.50	0.50	0.365	0.293	(0.328)	0.072
103	8.58	0.53	0.389	0.292	(0.350)	0.097
104	8.67	0.53	0.389	0.291	(0.350)	0.099
105	8.75	0.53	0.389	0.289	(0.350)	0.100
106	8.83	0.57	0.413	0.288	(0.372)	0.126
107	8.92	0.57	0.413	0.286	(0.372)	0.127
108	9.00	0.57	0.413	0.285	(0.372)	0.128
109	9.08	0.63	0.462	0.284	(0.416)	0.178
110	9.17	0.63	0.462	0.282	(0.416)	0.180
111	9.25	0.63	0.462	0.281	(0.416)	0.181
112	9.33	0.67	0.486	0.280	(0.438)	0.207
113	9.42	0.67	0.486	0.278	(0.438)	0.208
114	9.50	0.67	0.486	0.277	(0.438)	0.209
115	9.58	0.70	0.511	0.276	(0.460)	0.235
116	9.67	0.70	0.511	0.274	(0.460)	0.236
117	9.75	0.70	0.511	0.273	(0.460)	0.238
118	9.83	0.73	0.535	0.272	(0.482)	0.263
119	9.92	0.73	0.535	0.270	(0.482)	0.265
120	10.00	0.73	0.535	0.269	(0.482)	0.266
121	10.08	0.50	0.365	0.268	(0.328)	0.097
122	10.17	0.50	0.365	0.267	(0.328)	0.098
123	10.25	0.50	0.365	0.265	(0.328)	0.100
124	10.33	0.50	0.365	0.264	(0.328)	0.101
125	10.42	0.50	0.365	0.263	(0.328)	0.102
126	10.50	0.50	0.365	0.261	(0.328)	0.103
127	10.58	0.67	0.486	0.260	(0.438)	0.226
128	10.67	0.67	0.486	0.259	(0.438)	0.228
129	10.75	0.67	0.486	0.258	(0.438)	0.229
130	10.83	0.67	0.486	0.256	(0.438)	0.230
131	10.92	0.67	0.486	0.255	(0.438)	0.231
132	11.00	0.67	0.486	0.254	(0.438)	0.233
133	11.08	0.63	0.462	0.253	(0.416)	0.210

134	11.17	0.63	0.462	0.251	(0.416)	0.211
135	11.25	0.63	0.462	0.250	(0.416)	0.212
136	11.33	0.63	0.462	0.249	(0.416)	0.213
137	11.42	0.63	0.462	0.248	(0.416)	0.214
138	11.50	0.63	0.462	0.246	(0.416)	0.216
139	11.58	0.57	0.413	0.245	(0.372)	0.168
140	11.67	0.57	0.413	0.244	(0.372)	0.169
141	11.75	0.57	0.413	0.243	(0.372)	0.171
142	11.83	0.60	0.438	0.242	(0.394)	0.196
143	11.92	0.60	0.438	0.240	(0.394)	0.197
144	12.00	0.60	0.438	0.239	(0.394)	0.199
145	12.08	0.83	0.608	0.238	(0.547)	0.370
146	12.17	0.83	0.608	0.237	(0.547)	0.371
147	12.25	0.83	0.608	0.236	(0.547)	0.372
148	12.33	0.87	0.632	0.234	(0.569)	0.398
149	12.42	0.87	0.632	0.233	(0.569)	0.399
150	12.50	0.87	0.632	0.232	(0.569)	0.400
151	12.58	0.93	0.681	0.231	(0.613)	0.450
152	12.67	0.93	0.681	0.230	(0.613)	0.451
153	12.75	0.93	0.681	0.229	(0.613)	0.452
154	12.83	0.97	0.705	0.227	(0.635)	0.478
155	12.92	0.97	0.705	0.226	(0.635)	0.479
156	13.00	0.97	0.705	0.225	(0.635)	0.480
157	13.08	1.13	0.827	0.224	(0.744)	0.603
158	13.17	1.13	0.827	0.223	(0.744)	0.604
159	13.25	1.13	0.827	0.222	(0.744)	0.605
160	13.33	1.13	0.827	0.221	(0.744)	0.606
161	13.42	1.13	0.827	0.219	(0.744)	0.607
162	13.50	1.13	0.827	0.218	(0.744)	0.609
163	13.58	0.77	0.559	0.217	(0.503)	0.342
164	13.67	0.77	0.559	0.216	(0.503)	0.343
165	13.75	0.77	0.559	0.215	(0.503)	0.344
166	13.83	0.77	0.559	0.214	(0.503)	0.345
167	13.92	0.77	0.559	0.213	(0.503)	0.347
168	14.00	0.77	0.559	0.212	(0.503)	0.348
169	14.08	0.90	0.657	0.211	(0.591)	0.446
170	14.17	0.90	0.657	0.210	(0.591)	0.447
171	14.25	0.90	0.657	0.208	(0.591)	0.448
172	14.33	0.87	0.632	0.207	(0.569)	0.425
173	14.42	0.87	0.632	0.206	(0.569)	0.426
174	14.50	0.87	0.632	0.205	(0.569)	0.427
175	14.58	0.87	0.632	0.204	(0.569)	0.428
176	14.67	0.87	0.632	0.203	(0.569)	0.429
177	14.75	0.87	0.632	0.202	(0.569)	0.430
178	14.83	0.83	0.608	0.201	(0.547)	0.407
179	14.92	0.83	0.608	0.200	(0.547)	0.408
180	15.00	0.83	0.608	0.199	(0.547)	0.409
181	15.08	0.80	0.584	0.198	(0.525)	0.386
182	15.17	0.80	0.584	0.197	(0.525)	0.387
183	15.25	0.80	0.584	0.196	(0.525)	0.388
184	15.33	0.77	0.559	0.195	(0.503)	0.364
185	15.42	0.77	0.559	0.194	(0.503)	0.365
186	15.50	0.77	0.559	0.193	(0.503)	0.366
187	15.58	0.63	0.462	0.192	(0.416)	0.270
188	15.67	0.63	0.462	0.191	(0.416)	0.271
189	15.75	0.63	0.462	0.190	(0.416)	0.272
190	15.83	0.63	0.462	0.189	(0.416)	0.273
191	15.92	0.63	0.462	0.188	(0.416)	0.274
192	16.00	0.63	0.462	0.187	(0.416)	0.275
193	16.08	0.13	0.097	(0.186)	0.088	0.010
194	16.17	0.13	0.097	(0.185)	0.088	0.010
195	16.25	0.13	0.097	(0.184)	0.088	0.010
196	16.33	0.13	0.097	(0.183)	0.088	0.010
197	16.42	0.13	0.097	(0.182)	0.088	0.010
198	16.50	0.13	0.097	(0.182)	0.088	0.010
199	16.58	0.10	0.073	(0.181)	0.066	0.007
200	16.67	0.10	0.073	(0.180)	0.066	0.007
201	16.75	0.10	0.073	(0.179)	0.066	0.007
202	16.83	0.10	0.073	(0.178)	0.066	0.007
203	16.92	0.10	0.073	(0.177)	0.066	0.007
204	17.00	0.10	0.073	(0.176)	0.066	0.007
205	17.08	0.17	0.122	(0.175)	0.109	0.012
206	17.17	0.17	0.122	(0.174)	0.109	0.012
207	17.25	0.17	0.122	(0.173)	0.109	0.012
208	17.33	0.17	0.122	(0.173)	0.109	0.012
209	17.42	0.17	0.122	(0.172)	0.109	0.012
210	17.50	0.17	0.122	(0.171)	0.109	0.012
211	17.58	0.17	0.122	(0.170)	0.109	0.012
212	17.67	0.17	0.122	(0.169)	0.109	0.012
213	17.75	0.17	0.122	(0.168)	0.109	0.012
214	17.83	0.13	0.097	(0.167)	0.088	0.010
215	17.92	0.13	0.097	(0.167)	0.088	0.010
216	18.00	0.13	0.097	(0.166)	0.088	0.010
217	18.08	0.13	0.097	(0.165)	0.088	0.010
218	18.17	0.13	0.097	(0.164)	0.088	0.010
219	18.25	0.13	0.097	(0.163)	0.088	0.010
220	18.33	0.13	0.097	(0.163)	0.088	0.010
221	18.42	0.13	0.097	(0.162)	0.088	0.010
222	18.50	0.13	0.097	(0.161)	0.088	0.010
223	18.58	0.10	0.073	(0.160)	0.066	0.007
224	18.67	0.10	0.073	(0.159)	0.066	0.007
225	18.75	0.10	0.073	(0.159)	0.066	0.007
226	18.83	0.07	0.049	(0.158)	0.044	0.005
227	18.92	0.07	0.049	(0.157)	0.044	0.005
228	19.00	0.07	0.049	(0.156)	0.044	0.005
229	19.08	0.10	0.073	(0.156)	0.066	0.007
230	19.17	0.10	0.073	(0.155)	0.066	0.007
231	19.25	0.10	0.073	(0.154)	0.066	0.007
232	19.33	0.13	0.097	(0.153)	0.088	0.010
233	19.42	0.13	0.097	(0.153)	0.088	0.010
234	19.50	0.13	0.097	(0.152)	0.088	0.010
235	19.58	0.10	0.073	(0.151)	0.066	0.007
236	19.67	0.10	0.073	(0.151)	0.066	0.007
237	19.75	0.10	0.073	(0.150)	0.066	0.007
238	19.83	0.07	0.049	(0.149)	0.044	0.005
239	19.92	0.07	0.049	(0.149)	0.044	0.005
240	20.00	0.07	0.049	(0.148)	0.044	0.005
241	20.08	0.10	0.073	(0.147)	0.066	0.007
242	20.17	0.10	0.073	(0.147)	0.066	0.007
243	20.25	0.10	0.073	(0.146)	0.066	0.007
244	20.33	0.10	0.073	(0.145)	0.066	0.007
245	20.42	0.10	0.073	(0.145)	0.066	0.007
246	20.50	0.10	0.073	(0.144)	0.066	0.007
247	20.58	0.10	0.073	(0.144)	0.066	0.007
248	20.67	0.10	0.073	(0.143)	0.066	0.007
249	20.75	0.10	0.073	(0.142)	0.066	0.007
250	20.83	0.07	0.049	(0.142)	0.044	0.005
251	20.92	0.07	0.049	(0.141)	0.044	0.005
252	21.00	0.07	0.049	(0.141)	0.044	0.005
253	21.08	0.10	0.073	(0.140)	0.066	0.007
254	21.17	0.10	0.073	(0.140)	0.066	0.007
255	21.25	0.10	0.073	(0.139)	0.066	0.007
256	21.33	0.07	0.049	(0.138)	0.044	0.005
257	21.42	0.07	0.049	(0.138)	0.044	0.005

258	21.50	0.07	0.049	(0.137)	0.044	0.005
259	21.58	0.10	0.073	(0.137)	0.066	0.007
260	21.67	0.10	0.073	(0.136)	0.066	0.007
261	21.75	0.10	0.073	(0.136)	0.066	0.007
262	21.83	0.07	0.049	(0.135)	0.044	0.005
263	21.92	0.07	0.049	(0.135)	0.044	0.005
264	22.00	0.07	0.049	(0.135)	0.044	0.005
265	22.08	0.10	0.073	(0.134)	0.066	0.007
266	22.17	0.10	0.073	(0.134)	0.066	0.007
267	22.25	0.10	0.073	(0.133)	0.066	0.007
268	22.33	0.07	0.049	(0.133)	0.044	0.005
269	22.42	0.07	0.049	(0.132)	0.044	0.005
270	22.50	0.07	0.049	(0.132)	0.044	0.005
271	22.58	0.07	0.049	(0.132)	0.044	0.005
272	22.67	0.07	0.049	(0.131)	0.044	0.005
273	22.75	0.07	0.049	(0.131)	0.044	0.005
274	22.83	0.07	0.049	(0.131)	0.044	0.005
275	22.92	0.07	0.049	(0.130)	0.044	0.005
276	23.00	0.07	0.049	(0.130)	0.044	0.005
277	23.08	0.07	0.049	(0.130)	0.044	0.005
278	23.17	0.07	0.049	(0.129)	0.044	0.005
279	23.25	0.07	0.049	(0.129)	0.044	0.005
280	23.33	0.07	0.049	(0.129)	0.044	0.005
281	23.42	0.07	0.049	(0.129)	0.044	0.005
282	23.50	0.07	0.049	(0.128)	0.044	0.005
283	23.58	0.07	0.049	(0.128)	0.044	0.005
284	23.67	0.07	0.049	(0.128)	0.044	0.005
285	23.75	0.07	0.049	(0.128)	0.044	0.005
286	23.83	0.07	0.049	(0.128)	0.044	0.005
287	23.92	0.07	0.049	(0.128)	0.044	0.005
288	24.00	0.07	0.049	(0.127)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.1

Flood volume = Effective rainfall 2.51(In)
times area 15.2(Ac.)/[(In)/(Ft.)] = 3.2(Ac.Ft)
Total soil loss = 3.57(In)
Total soil loss = 4.518(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 138437.0 Cubic Feet
Total soil loss = 196802.5 Cubic Feet

Peak flow rate of this hydrograph = 9.309(CFS)

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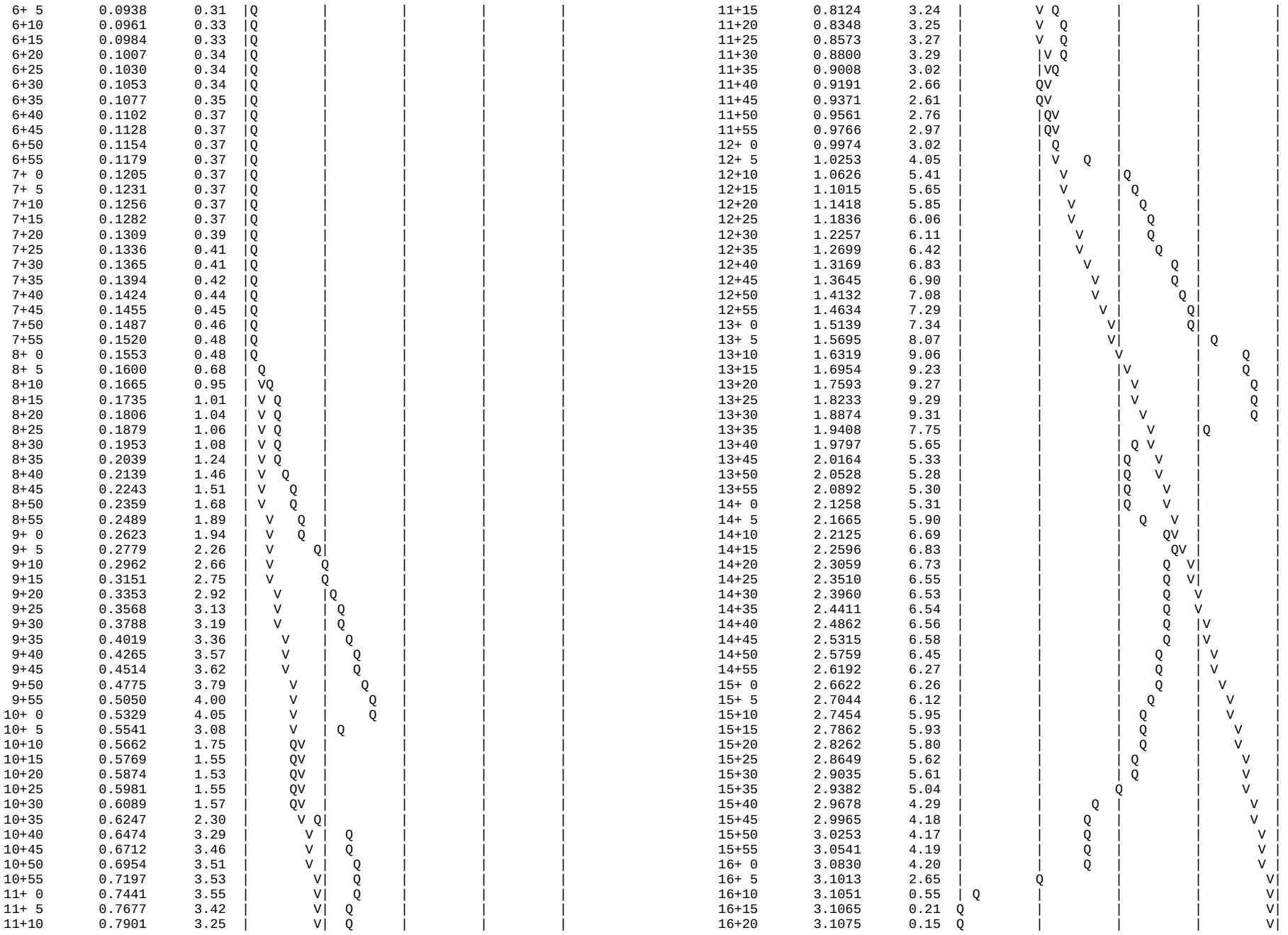
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q				
0+10	0.0007	0.07	Q				
0+15	0.0012	0.07	Q				
0+20	0.0018	0.09	Q				
0+25	0.0025	0.11	Q				
0+30	0.0033	0.11	Q				
0+35	0.0041	0.11	Q				
0+40	0.0048	0.11	Q				
0+45	0.0056	0.11	Q				
0+50	0.0065	0.13	Q				
0+55	0.0075	0.15	Q				
1+ 0	0.0085	0.15	Q				
1+ 5	0.0094	0.13	Q				
1+10	0.0102	0.12	Q				
1+15	0.0110	0.11	Q				
1+20	0.0118	0.11	Q				
1+25	0.0125	0.11	Q				
1+30	0.0133	0.11	Q				
1+35	0.0141	0.11	Q				
1+40	0.0148	0.11	Q				
1+45	0.0156	0.11	Q				
1+50	0.0165	0.13	Q				
1+55	0.0175	0.15	Q				
2+ 0	0.0185	0.15	Q				
2+ 5	0.0195	0.15	Q				
2+10	0.0205	0.15	Q				
2+15	0.0216	0.15	Q				
2+20	0.0226	0.15	Q				
2+25	0.0236	0.15	Q				
2+30	0.0246	0.15	Q				
2+35	0.0258	0.16	Q				
2+40	0.0270	0.18	Q				
2+45	0.0283	0.19	Q				
2+50	0.0296	0.19	Q				
2+55	0.0309	0.19	Q				
3+ 0	0.0322	0.19	Q				
3+ 5	0.0334	0.19	Q				
3+10	0.0347	0.19	Q				
3+15	0.0360	0.19	Q				
3+20	0.0373	0.19	Q				
3+25	0.0386	0.19	Q				
3+30	0.0399	0.19	Q				
3+35	0.0411	0.19	Q				
3+40	0.0424	0.19	Q				
3+45	0.0437	0.19	Q				
3+50	0.0451	0.20	Q				
3+55	0.0466	0.22	Q				
4+ 0	0.0481	0.22	Q				
4+ 5	0.0497	0.22	Q				
4+10	0.0512	0.22	Q				
4+15	0.0527	0.22	Q				
4+20	0.0544	0.24	Q				
4+25	0.0562	0.26	VQ				
4+30	0.0579	0.26	VQ				
4+35	0.0597	0.26	VQ				
4+40	0.0615	0.26	VQ				
4+45	0.0633	0.26	VQ				
4+50	0.0652	0.28	VQ				
4+55	0.0673	0.29	VQ				
5+ 0	0.0693	0.30	VQ				
5+ 5	0.0712	0.27	VQ				
5+10	0.0727	0.23	Q				
5+15	0.0743	0.22	Q				
5+20	0.0759	0.24	Q				
5+25	0.0777	0.26	VQ				
5+30	0.0795	0.26	|Q				
5+35	0.0814	0.28	|Q				
5+40	0.0834	0.29	|Q				
5+45	0.0855	0.30	|Q				
5+50	0.0875	0.30	|Q				
5+55	0.0896	0.30	|Q				
6+ 0	0.0916	0.30	|Q				



6+ 5	0.0938	0.31	Q
6+10	0.0961	0.33	Q
6+15	0.0984	0.33	Q
6+20	0.1007	0.34	Q
6+25	0.1030	0.34	Q
6+30	0.1053	0.34	Q
6+35	0.1077	0.35	Q
6+40	0.1102	0.37	Q
6+45	0.1128	0.37	Q
6+50	0.1154	0.37	Q
6+55	0.1179	0.37	Q
7+ 0	0.1205	0.37	Q
7+ 5	0.1231	0.37	Q
7+10	0.1256	0.37	Q
7+15	0.1282	0.37	Q
7+20	0.1309	0.39	Q
7+25	0.1336	0.41	Q
7+30	0.1365	0.41	Q
7+35	0.1394	0.42	Q
7+40	0.1424	0.44	Q
7+45	0.1455	0.45	Q
7+50	0.1487	0.46	Q
7+55	0.1520	0.48	Q
8+ 0	0.1553	0.48	Q
8+ 5	0.1600	0.68	Q
8+10	0.1665	0.95	VQ
8+15	0.1735	1.01	V Q
8+20	0.1806	1.04	V Q
8+25	0.1879	1.06	V Q
8+30	0.1953	1.08	V Q
8+35	0.2039	1.24	V Q
8+40	0.2139	1.46	V Q
8+45	0.2243	1.51	V Q
8+50	0.2359	1.68	V Q
8+55	0.2489	1.89	V Q
9+ 0	0.2623	1.94	V Q
9+ 5	0.2779	2.26	V Q
9+10	0.2962	2.66	V Q
9+15	0.3151	2.75	V Q
9+20	0.3353	2.92	V Q
9+25	0.3568	3.13	V Q
9+30	0.3788	3.19	V Q
9+35	0.4019	3.36	V Q
9+40	0.4265	3.57	V Q
9+45	0.4514	3.62	V Q
9+50	0.4775	3.79	V Q
9+55	0.5050	4.00	V Q
10+ 0	0.5329	4.05	V Q
10+ 5	0.5541	3.08	V Q
10+10	0.5662	1.75	QV
10+15	0.5769	1.55	QV
10+20	0.5874	1.53	QV
10+25	0.5981	1.55	QV
10+30	0.6089	1.57	QV
10+35	0.6247	2.30	V Q
10+40	0.6474	3.29	V Q
10+45	0.6712	3.46	V Q
10+50	0.6954	3.51	V Q
10+55	0.7197	3.53	V Q
11+ 0	0.7441	3.55	V Q
11+ 5	0.7677	3.42	V Q
11+10	0.7901	3.25	V Q
11+15	0.8124	3.24	V Q
11+20	0.8348	3.25	V Q
11+25	0.8573	3.27	V Q
11+30	0.8800	3.29	V Q
11+35	0.9008	3.02	VQ
11+40	0.9191	2.66	QV
11+45	0.9371	2.61	QV
11+50	0.9561	2.76	QV
11+55	0.9766	2.97	QV
12+ 0	0.9974	3.02	Q
12+ 5	1.0253	4.05	V Q
12+10	1.0626	5.41	V Q
12+15	1.1015	5.65	V Q
12+20	1.1418	5.85	V Q
12+25	1.1836	6.06	V Q
12+30	1.2257	6.11	V Q
12+35	1.2699	6.42	V Q
12+40	1.3169	6.83	V Q
12+45	1.3645	6.90	V Q
12+50	1.4132	7.08	V Q
12+55	1.4634	7.29	V Q
13+ 0	1.5139	7.34	V Q
13+ 5	1.5695	8.07	V Q
13+10	1.6319	9.06	V Q
13+15	1.6954	9.23	V Q
13+20	1.7593	9.27	V Q
13+25	1.8233	9.29	V Q
13+30	1.8874	9.31	V Q
13+35	1.9408	7.75	V Q
13+40	1.9797	5.65	V Q
13+45	2.0164	5.33	V Q
13+50	2.0528	5.28	V Q
13+55	2.0892	5.30	V Q
14+ 0	2.1258	5.31	V Q
14+ 5	2.1665	5.90	V Q
14+10	2.2125	6.69	V Q
14+15	2.2596	6.83	V Q
14+20	2.3059	6.73	V Q
14+25	2.3510	6.55	V Q
14+30	2.3960	6.53	V Q
14+35	2.4411	6.54	V Q
14+40	2.4862	6.56	V Q
14+45	2.5315	6.58	V Q
14+50	2.5759	6.45	V Q
14+55	2.6192	6.27	V Q
15+ 0	2.6622	6.26	V Q
15+ 5	2.7044	6.12	V Q
15+10	2.7454	5.95	V Q
15+15	2.7862	5.93	V Q
15+20	2.8262	5.80	V Q
15+25	2.8649	5.62	V Q
15+30	2.9035	5.61	V Q
15+35	2.9382	5.04	V Q
15+40	2.9678	4.29	V Q
15+45	2.9965	4.18	V Q
15+50	3.0253	4.17	V Q
15+55	3.0541	4.19	V Q
16+ 0	3.0830	4.20	V Q
16+ 5	3.1013	2.65	V Q
16+10	3.1051	0.55	Q
16+15	3.1065	0.21	Q
16+20	3.1075	0.15	Q

16+25	3.1086	0.15	Q	|	|	|	V|
16+30	3.1096	0.15	Q	|	|	|	V|
16+35	3.1105	0.13	Q	|	|	|	V|
16+40	3.1113	0.12	Q	|	|	|	V|
16+45	3.1121	0.11	Q	|	|	|	V|
16+50	3.1129	0.11	Q	|	|	|	V|
16+55	3.1136	0.11	Q	|	|	|	V|
17+ 0	3.1144	0.11	Q	|	|	|	V|
17+ 5	3.1154	0.14	Q	|	|	|	V|
17+10	3.1166	0.18	Q	|	|	|	V|
17+15	3.1179	0.19	Q	|	|	|	V|
17+20	3.1192	0.19	Q	|	|	|	V|
17+25	3.1204	0.19	Q	|	|	|	V|
17+30	3.1217	0.19	Q	|	|	|	V|
17+35	3.1230	0.19	Q	|	|	|	V|
17+40	3.1243	0.19	Q	|	|	|	V|
17+45	3.1256	0.19	Q	|	|	|	V|
17+50	3.1268	0.17	Q	|	|	|	V|
17+55	3.1278	0.15	Q	|	|	|	V|
18+ 0	3.1288	0.15	Q	|	|	|	V|
18+ 5	3.1299	0.15	Q	|	|	|	V|
18+10	3.1309	0.15	Q	|	|	|	V|
18+15	3.1319	0.15	Q	|	|	|	V|
18+20	3.1329	0.15	Q	|	|	|	V|
18+25	3.1340	0.15	Q	|	|	|	V|
18+30	3.1350	0.15	Q	|	|	|	V|
18+35	3.1359	0.13	Q	|	|	|	V|
18+40	3.1367	0.12	Q	|	|	|	V|
18+45	3.1375	0.11	Q	|	|	|	V|
18+50	3.1382	0.10	Q	|	|	|	V|
18+55	3.1387	0.08	Q	|	|	|	V|
19+ 0	3.1392	0.08	Q	|	|	|	V|
19+ 5	3.1398	0.09	Q	|	|	|	V|
19+10	3.1406	0.11	Q	|	|	|	V|
19+15	3.1413	0.11	Q	|	|	|	V|
19+20	3.1422	0.13	Q	|	|	|	V|
19+25	3.1432	0.15	Q	|	|	|	V|
19+30	3.1442	0.15	Q	|	|	|	V|
19+35	3.1452	0.13	Q	|	|	|	V|
19+40	3.1460	0.12	Q	|	|	|	V|
19+45	3.1467	0.11	Q	|	|	|	V|
19+50	3.1474	0.10	Q	|	|	|	V|
19+55	3.1479	0.08	Q	|	|	|	V|
20+ 0	3.1485	0.08	Q	|	|	|	V|
20+ 5	3.1491	0.09	Q	|	|	|	V|
20+10	3.1498	0.11	Q	|	|	|	V|
20+15	3.1506	0.11	Q	|	|	|	V|
20+20	3.1513	0.11	Q	|	|	|	V|
20+25	3.1521	0.11	Q	|	|	|	V|
20+30	3.1529	0.11	Q	|	|	|	V|
20+35	3.1537	0.11	Q	|	|	|	V|
20+40	3.1544	0.11	Q	|	|	|	V|
20+45	3.1552	0.11	Q	|	|	|	V|
20+50	3.1559	0.10	Q	|	|	|	V|
20+55	3.1564	0.08	Q	|	|	|	V|
21+ 0	3.1569	0.08	Q	|	|	|	V|
21+ 5	3.1575	0.09	Q	|	|	|	V|
21+10	3.1583	0.11	Q	|	|	|	V|
21+15	3.1590	0.11	Q	|	|	|	V|
21+20	3.1597	0.10	Q	|	|	|	V|
21+25	3.1603	0.08	Q	|	|	|	V|
21+30	3.1608	0.08	Q	|	|	|	V|
21+35	3.1614	0.09	Q	|	|	|	V|
21+40	3.1621	0.11	Q	|	|	|	V|
21+45	3.1629	0.11	Q	|	|	|	V|
21+50	3.1636	0.10	Q	|	|	|	V|
21+55	3.1641	0.08	Q	|	|	|	V|
22+ 0	3.1646	0.08	Q	|	|	|	V|
22+ 5	3.1652	0.09	Q	|	|	|	V|
22+10	3.1660	0.11	Q	|	|	|	V|
22+15	3.1667	0.11	Q	|	|	|	V|
22+20	3.1674	0.10	Q	|	|	|	V|
22+25	3.1679	0.08	Q	|	|	|	V|
22+30	3.1685	0.08	Q	|	|	|	V|
22+35	3.1690	0.07	Q	|	|	|	V|
22+40	3.1695	0.07	Q	|	|	|	V|
22+45	3.1700	0.07	Q	|	|	|	V|
22+50	3.1705	0.07	Q	|	|	|	V|
22+55	3.1710	0.07	Q	|	|	|	V|
23+ 0	3.1715	0.07	Q	|	|	|	V|
23+ 5	3.1721	0.07	Q	|	|	|	V|
23+10	3.1726	0.07	Q	|	|	|	V|
23+15	3.1731	0.07	Q	|	|	|	V|
23+20	3.1736	0.07	Q	|	|	|	V|
23+25	3.1741	0.07	Q	|	|	|	V|
23+30	3.1746	0.07	Q	|	|	|	V|
23+35	3.1751	0.07	Q	|	|	|	V|
23+40	3.1756	0.07	Q	|	|	|	V|
23+45	3.1762	0.07	Q	|	|	|	V|
23+50	3.1767	0.07	Q	|	|	|	V|
23+55	3.1772	0.07	Q	|	|	|	V|
24+ 0	3.1777	0.07	Q	|	|	|	V|
24+ 5	3.1780	0.05	Q	|	|	|	V|
24+10	3.1781	0.01	Q	|	|	|	V|
24+15	3.1781	0.00	Q	|	|	|	V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  11/29/23 File: MESAP4C1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4C. 100-YR
11/29/23
--------------------------------------------------------------------------
Drainage Area =       7.76(Ac.)  =      0.012 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       7.76(Ac.)  =
0.012 Sq. Mi.
Length along longest watercourse =    1005.00(Ft.)
Length along longest watercourse measured to centroid =     455.00(Ft.)
Length along longest watercourse =      0.190 Mi.
Length along longest watercourse measured to centroid =      0.086 Mi.
Difference in elevation =      66.70(Ft.)
Slope along watercourse =    350.4239 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.058 Hr.
Lag time =     3.47 Min.
25% of lag time =     0.87 Min.
40% of lag time =     1.39 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.76             0.94                    7.29

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.76             1.97                   15.29

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     6.680           80.00          0.000
     0.920           84.00          0.000
     0.130           77.00          0.120
     0.030           82.00          0.120
 Total Area Entered =      7.76(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
80.0  80.0      0.244     0.000        0.244       0.861      0.210
84.0  84.0      0.198     0.000        0.198       0.119      0.024
77.0  77.0      0.279     0.120        0.249       0.017      0.004
82.0  82.0      0.221     0.120        0.197       0.004      0.001
                                                 Sum (F) =   0.239
Area averaged mean soil loss (F) (In/Hr) =  0.239
Minimum soil loss rate ((In/Hr)) =  0.119
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        143.995         28.858             2.257
    2   0.167        287.989         54.768             4.283
    3   0.250        431.984         12.590             0.985
    4   0.333        575.979          2.746             0.215
    5   0.417        719.974          1.038             0.081
                              Sum = 100.000   Sum=       7.821
--------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)        Max   |   Low         (In/Hr)
  1   0.08     1.30      0.307          0.239    (  0.277)        0.069
  2   0.17     1.30      0.307          0.239    (  0.277)        0.069
  3   0.25     1.10      0.260       (  0.239)       0.234        0.026
  4   0.33     1.50      0.355          0.239    (  0.319)        0.116
  5   0.42     1.50      0.355          0.239    (  0.319)        0.116
  6   0.50     1.80      0.426          0.239    (  0.383)        0.187
  7   0.58     1.50      0.355          0.239    (  0.319)        0.116
  8   0.67     1.80      0.426          0.239    (  0.383)        0.187
  9   0.75     1.80      0.426          0.239    (  0.383)        0.187
 10   0.83     1.50      0.355          0.239    (  0.319)        0.116
 11   0.92     1.60      0.378          0.239    (  0.340)        0.140
 12   1.00     1.80      0.426          0.239    (  0.383)        0.187
```

13	1.08	2.20	0.520	0.239	(0.468)	0.282
14	1.17	2.20	0.520	0.239	(0.468)	0.282
15	1.25	2.20	0.520	0.239	(0.468)	0.282
16	1.33	2.00	0.473	0.239	(0.426)	0.234
17	1.42	2.60	0.615	0.239	(0.553)	0.376
18	1.50	2.70	0.638	0.239	(0.574)	0.400
19	1.58	2.40	0.567	0.239	(0.511)	0.329
20	1.67	2.70	0.638	0.239	(0.574)	0.400
21	1.75	3.30	0.780	0.239	(0.702)	0.542
22	1.83	3.10	0.733	0.239	(0.660)	0.494
23	1.92	2.90	0.686	0.239	(0.617)	0.447
24	2.00	3.00	0.709	0.239	(0.638)	0.471
25	2.08	3.10	0.733	0.239	(0.660)	0.494
26	2.17	4.20	0.993	0.239	(0.894)	0.754
27	2.25	5.00	1.182	0.239	(1.064)	0.943
28	2.33	3.50	0.827	0.239	(0.745)	0.589
29	2.42	6.80	1.607	0.239	(1.447)	1.369
30	2.50	7.30	1.726	0.239	(1.553)	1.487
31	2.58	8.20	1.938	0.239	(1.745)	1.700
32	2.67	5.90	1.395	0.239	(1.255)	1.156
33	2.75	2.00	0.473	0.239	(0.426)	0.234
34	2.83	1.80	0.426	0.239	(0.383)	0.187
35	2.92	1.80	0.426	0.239	(0.383)	0.187
36	3.00	0.60	0.142	(0.239)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.2

Flood volume = Effective rainfall 1.26(In)
times area 7.8(Ac.)/[(In)/(Ft.)] = 0.8(Ac.Ft)
Total soil loss = 0.71(In)
Total soil loss = 0.456(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 35606.5 Cubic Feet
Total soil loss = 19884.1 Cubic Feet

Peak flow rate of this hydrograph = 11.763(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0011	0.16	Q
0+10	0.0042	0.45	Q
0+15	0.0071	0.42	Q
0+20	0.0102	0.46	Q
0+25	0.0158	0.81	VQ
0+30	0.0230	1.05	VQ
0+35	0.0313	1.20	VQ
0+40	0.0391	1.14	VQ
0+45	0.0487	1.39	Q
0+50	0.0575	1.29	Q
0+55	0.0647	1.05	QV
1+ 0	0.0729	1.19	QV
1+ 5	0.0841	1.61	QV
1+10	0.0983	2.07	Q
1+15	0.1132	2.17	QV
1+20	0.1276	2.09	Q V
1+25	0.1429	2.21	Q V
1+30	0.1624	2.83	Q V
1+35	0.1823	2.90	Q V
1+40	0.2016	2.81	Q V
1+45	0.2249	3.38	Q V
1+50	0.2520	3.93	Q V
1+55	0.2780	3.77	Q V
2+ 0	0.3029	3.61	Q V
2+ 5	0.3285	3.72	Q V
2+10	0.3590	4.42	Q V
2+15	0.4002	5.99	Q V
2+20	0.4433	6.26	Q V
2+25	0.4898	6.75	Q V
2+30	0.5591	10.07	Q V
2+35	0.6401	11.76	Q V
2+40	0.7207	11.70	Q V
2+45	0.7730	7.59	Q V
2+50	0.7940	3.05	Q V
2+55	0.8067	1.84	Q V
3+ 0	0.8147	1.16	Q V
3+ 5	0.8168	0.30	Q V
3+10	0.8173	0.07	Q V
3+15	0.8174	0.02	Q V
3+20	0.8174	0.00	Q V

```
                U n i t   H y d r o g r a p h   A n a l y s i s

                Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                        Study date  11/29/23 File: MESAP4C1006100.out


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        ----------------------------------------------------------------------

        Riverside County Synthetic Unit Hydrology Method
        RCFC & WCD Manual date - April 1978


        Program License Serial Number 6406

        ----------------------------------------------------------------------
         English (in-lb) Input Units Used
         English Rainfall Data (Inches) Input Values Used

         English Units used in output format



        ----------------------------------------------------------------------
        MESA VERDE ESTATES
        PROPOSED CONDITION
        AREA 4C. 100-YR
        11/29/23
        ----------------------------------------------------------------------
        Drainage Area =       7.76(Ac.)  =      0.012 Sq. Mi.
        Drainage Area for Depth-Area Areal Adjustment =       7.76(Ac.)  =
0.012 Sq. Mi.
        Length along longest watercourse =    1005.00(Ft.)
        Length along longest watercourse measured to centroid =     455.00(Ft.)
        Length along longest watercourse =      0.190 Mi.
        Length along longest watercourse measured to centroid =      0.086 Mi.
        Difference in elevation =      66.70(Ft.)
        Slope along watercourse =    350.4239 Ft./Mi.
        Average Manning's 'N' = 0.035
        Lag time =    0.058 Hr.
        Lag time =     3.47 Min.
        25% of lag time =     0.87 Min.
        40% of lag time =     1.39 Min.
        Unit time =     5.00 Min.
        Duration of storm = 6 Hour(s)
        User Entered Base Flow =     0.00(CFS)

        2 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
               7.76             1.35                    10.48

        100 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
               7.76             2.78                    21.57

        STORM EVENT (YEAR) =  100.00
        Area Averaged 2-Year Rainfall =    1.350(In)

        Area Averaged 100-Year Rainfall =    2.780(In)

        Point rain (area averaged) =    2.780(In)
        Areal adjustment factor =  100.00 %
        Adjusted average point rain =    2.780(In)

        Sub-Area Data:
        Area(Ac.)         Runoff Index   Impervious %
             6.680           80.00          0.000
             0.920           84.00          0.000
             0.130           77.00          0.120
             0.030           82.00          0.120
         Total Area Entered =      7.76(Ac.)


        RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
        AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
        80.0  80.0      0.244     0.000        0.244       0.861      0.210
        84.0  84.0      0.198     0.000        0.198       0.119      0.024
        77.0  77.0      0.279     0.120        0.249       0.017      0.004
        82.0  82.0      0.221     0.120        0.197       0.004      0.001
                                                          Sum (F) =   0.239
        Area averaged mean soil loss (F) (In/Hr) =  0.239
        Minimum soil loss rate ((In/Hr)) =  0.119
        (for 24 hour storm duration)
        Soil low loss rate (decimal) =   0.900
        ----------------------------------------------------------------------

                        U n i t  H y d r o g r a p h
                              FOOTHILL S-Curve
        ----------------------------------------------------------------------
                        Unit Hydrograph Data
        ----------------------------------------------------------------------
        Unit time period   Time % of lag   Distribution   Unit Hydrograph
            (hrs)                           Graph %           (CFS)
        ----------------------------------------------------------------------
            1   0.083        143.995         28.858             2.257
            2   0.167        287.989         54.768             4.283
            3   0.250        431.984         12.590             0.985
            4   0.333        575.979          2.746             0.215
            5   0.417        719.974          1.038             0.081
                                      Sum = 100.000   Sum=       7.821
    ----------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
        1   0.08     0.50      0.167       (  0.239)       0.150        0.017
        2   0.17     0.60      0.200       (  0.239)       0.180        0.020
        3   0.25     0.60      0.200       (  0.239)       0.180        0.020
        4   0.33     0.60      0.200       (  0.239)       0.180        0.020
        5   0.42     0.60      0.200       (  0.239)       0.180        0.020
        6   0.50     0.70      0.234       (  0.239)       0.210        0.023
        7   0.58     0.70      0.234       (  0.239)       0.210        0.023
        8   0.67     0.70      0.234       (  0.239)       0.210        0.023
        9   0.75     0.70      0.234       (  0.239)       0.210        0.023
       10   0.83     0.70      0.234       (  0.239)       0.210        0.023
       11   0.92     0.70      0.234       (  0.239)       0.210        0.023
       12   1.00     0.80      0.267          0.239    (  0.240)       0.028
```

13	1.08	0.80	0.267	0.239	(0.240)	0.028	
14	1.17	0.80	0.267	0.239	(0.240)	0.028	
15	1.25	0.80	0.267	0.239	(0.240)	0.028	
16	1.33	0.80	0.267	0.239	(0.240)	0.028	
17	1.42	0.80	0.267	0.239	(0.240)	0.028	
18	1.50	0.80	0.267	0.239	(0.240)	0.028	
19	1.58	0.80	0.267	0.239	(0.240)	0.028	
20	1.67	0.80	0.267	0.239	(0.240)	0.028	
21	1.75	0.80	0.267	0.239	(0.240)	0.028	
22	1.83	0.80	0.267	0.239	(0.240)	0.028	
23	1.92	0.80	0.267	0.239	(0.240)	0.028	
24	2.00	0.90	0.300	0.239	(0.270)	0.062	
25	2.08	0.80	0.267	0.239	(0.240)	0.028	
26	2.17	0.90	0.300	0.239	(0.270)	0.062	
27	2.25	0.90	0.300	0.239	(0.270)	0.062	
28	2.33	0.90	0.300	0.239	(0.270)	0.062	
29	2.42	0.90	0.300	0.239	(0.270)	0.062	
30	2.50	0.90	0.300	0.239	(0.270)	0.062	
31	2.58	0.90	0.300	0.239	(0.270)	0.062	
32	2.67	0.90	0.300	0.239	(0.270)	0.062	
33	2.75	1.00	0.334	0.239	(0.300)	0.095	
34	2.83	1.00	0.334	0.239	(0.300)	0.095	
35	2.92	1.00	0.334	0.239	(0.300)	0.095	
36	3.00	1.00	0.334	0.239	(0.300)	0.095	
37	3.08	1.00	0.334	0.239	(0.300)	0.095	
38	3.17	1.10	0.367	0.239	(0.330)	0.128	
39	3.25	1.10	0.367	0.239	(0.330)	0.128	
40	3.33	1.10	0.367	0.239	(0.330)	0.128	
41	3.42	1.20	0.400	0.239	(0.360)	0.162	
42	3.50	1.30	0.434	0.239	(0.390)	0.195	
43	3.58	1.40	0.467	0.239	(0.420)	0.229	
44	3.67	1.40	0.467	0.239	(0.420)	0.229	
45	3.75	1.50	0.500	0.239	(0.450)	0.262	
46	3.83	1.50	0.500	0.239	(0.450)	0.262	
47	3.92	1.60	0.534	0.239	(0.480)	0.295	
48	4.00	1.60	0.534	0.239	(0.480)	0.295	
49	4.08	1.70	0.567	0.239	(0.510)	0.329	
50	4.17	1.80	0.600	0.239	(0.540)	0.362	
51	4.25	1.90	0.634	0.239	(0.570)	0.395	
52	4.33	2.00	0.667	0.239	(0.600)	0.429	
53	4.42	2.10	0.701	0.239	(0.630)	0.462	
54	4.50	2.10	0.701	0.239	(0.630)	0.462	
55	4.58	2.20	0.734	0.239	(0.661)	0.495	
56	4.67	2.30	0.767	0.239	(0.691)	0.529	
57	4.75	2.40	0.801	0.239	(0.721)	0.562	
58	4.83	2.40	0.801	0.239	(0.721)	0.562	
59	4.92	2.50	0.834	0.239	(0.751)	0.595	
60	5.00	2.60	0.867	0.239	(0.781)	0.629	
61	5.08	3.10	1.034	0.239	(0.931)	0.796	
62	5.17	3.60	1.201	0.239	(1.081)	0.962	
63	5.25	3.90	1.301	0.239	(1.171)	1.063	
64	5.33	4.20	1.401	0.239	(1.261)	1.163	
65	5.42	4.70	1.568	0.239	(1.411)	1.329	
66	5.50	5.60	1.868	0.239	(1.681)	1.630	
67	5.58	1.90	0.634	0.239	(0.570)	0.395	
68	5.67	0.90	0.300	0.239	(0.270)	0.062	
69	5.75	0.60	0.200	(0.239)	0.180	0.020	
70	5.83	0.50	0.167	(0.239)	0.150	0.017	
71	5.92	0.30	0.100	(0.239)	0.090	0.010	
72	6.00	0.20	0.067	(0.239)	0.060	0.007	
		(Loss Rate Not Used)					
	Sum =	100.0			Sum =	17.2	

```
      Flood volume = Effective rainfall     1.43(In)
       times area       7.8(Ac.)/[(In)/(Ft.)] =       0.9(Ac.Ft)
      Total soil loss =      1.35(In)
      Total soil loss =     0.873(Ac.Ft)
      Total rainfall =      2.78(In)
      Flood volume =       40263.9 Cubic Feet
      Total soil loss =       38043.3 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     10.828(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          6 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
---------------------------------------------------------------------------
  0+ 5       0.0003      0.04  Q         |         |         |         |
  0+10       0.0011      0.12  Q         |         |         |         |
  0+15       0.0021      0.15  Q         |         |         |         |
  0+20       0.0031      0.15  Q         |         |         |         |
  0+25       0.0042      0.16  Q         |         |         |         |
  0+30       0.0053      0.16  Q         |         |         |         |
  0+35       0.0066      0.18  Q         |         |         |         |
  0+40       0.0078      0.18  Q         |         |         |         |
  0+45       0.0091      0.18  Q         |         |         |         |
  0+50       0.0103      0.18  Q         |         |         |         |
  0+55       0.0116      0.18  Q         |         |         |         |
  1+ 0       0.0129      0.19  Q         |         |         |         |
  1+ 5       0.0144      0.22  Q         |         |         |         |
  1+10       0.0159      0.22  Q         |         |         |         |
  1+15       0.0175      0.22  Q         |         |         |         |
  1+20       0.0190      0.22  Q         |         |         |         |
  1+25       0.0205      0.22  Q         |         |         |         |
  1+30       0.0221      0.22  Q         |         |         |         |
  1+35       0.0236      0.22  QV        |         |         |         |
  1+40       0.0251      0.22  QV        |         |         |         |
  1+45       0.0266      0.22  QV        |         |         |         |
  1+50       0.0282      0.22  QV        |         |         |         |
  1+55       0.0297      0.22  QV        |         |         |         |
  2+ 0       0.0317      0.30  QV        |         |         |         |
  2+ 5       0.0343      0.36  QV        |         |         |         |
  2+10       0.0365      0.33  QV        |         |         |         |
  2+15       0.0396      0.45  QV        |         |         |         |
  2+20       0.0429      0.48  QV        |         |         |         |
  2+25       0.0462      0.48  QV        |         |         |         |
  2+30       0.0495      0.48  Q V       |         |         |         |
  2+35       0.0529      0.48  Q V       |         |         |         |
  2+40       0.0562      0.48  Q V       |         |         |         |
  2+45       0.0600      0.56  |QV       |         |         |         |
  2+50       0.0649      0.70  |QV       |         |         |         |
  2+55       0.0699      0.73  |Q V       |         |         |         |
  3+ 0       0.0750      0.74  |Q V       |         |         |         |
  3+ 5       0.0801      0.74  |Q V       |         |         |         |
  3+10       0.0858      0.82  |Q V       |         |         |         |
  3+15       0.0924      0.96  |Q V       |         |         |         |
  3+20       0.0993      1.00  |Q  V      |         |         |         |
  3+25       0.1067      1.08  | Q V      |         |         |         |
  3+30       0.1156      1.30  | Q  V     |         |         |         |
  3+35       0.1263      1.55  |  Q V     |         |         |         |
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    3+40       0.1382      1.73  |  Q V    |         |         |         |
    3+45       0.1510      1.85  |  Q  V   |         |         |         |
    3+50       0.1648      2.00  |   Q  V  |         |         |         |
    3+55       0.1794      2.11  |   Q  V  |         |         |         |
    4+ 0       0.1949      2.26  |   Q   V |         |         |         |
    4+ 5       0.2113      2.38  |   Q    V|         |         |         |
    4+10       0.2292      2.60  |    Q   V|         |         |         |
    4+15       0.2489      2.85  |    Q    V         |         |         |
    4+20       0.2703      3.11  |     Q   |V        |         |         |
    4+25       0.2936      3.37  |     Q   | V       |         |         |
    4+30       0.3181      3.56  |      Q  |  V      |         |         |
    4+35       0.3434      3.68  |      Q  |   V     |         |         |
    4+40       0.3703      3.91  |      Q  |     V   |         |         |
    4+45       0.3990      4.16  |       Q |      V  |         |         |
    4+50       0.4289      4.34  |       Q |       V |         |         |
    4+55       0.4596      4.46  |       Q |        V|         |         |
    5+ 0       0.4919      4.69  |        Q|         |V        |         |
    5+ 5       0.5280      5.24  |         Q         | V       |         |
    5+10       0.5719      6.38  |         | Q       |   V     |         |
    5+15       0.6235      7.49  |         |   Q     |     V   |         |
    5+20       0.6810      8.35  |         |     Q   |         V|        |
    5+25       0.7451      9.30  |         |       Q |          | V      |
    5+30       0.8197     10.83  |         |         |Q         |    V   |
    5+35       0.8852      9.52  |         |        Q|          |      V |
    5+40       0.9115      3.82  |      Q  |         |          |        V|
    5+45       0.9195      1.16  | Q       |         |          |        V|
    5+50       0.9223      0.40  Q         |         |          |        V|
    5+55       0.9234      0.16  Q         |         |          |        V|
    6+ 0       0.9239      0.08  Q         |         |          |        V|
    6+ 5       0.9242      0.04  Q         |         |          |        V|
    6+10       0.9243      0.01  Q         |         |          |        V|
    6+15       0.9243      0.00  Q         |         |          |        V|
    6+20       0.9243      0.00  Q         |         |          |         V
---------------------------------------------------------------------------
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```
                U n i t   H y d r o g r a p h   A n a l y s i s

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                        Study date  11/29/23 File: MESAP4C10024100.out


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        ----------------------------------------------------------------------

        Riverside County Synthetic Unit Hydrology Method
        RCFC & WCD Manual date - April 1978


        Program License Serial Number 6406

        ----------------------------------------------------------------------
         English (in-lb) Input Units Used
         English Rainfall Data (Inches) Input Values Used

         English Units used in output format



        ----------------------------------------------------------------------
        MESA VERDE ESTATES
        PROPOSED CONDITION
        AREA 4C. 100-YR
        11/29/23
        ----------------------------------------------------------------------
        Drainage Area =       7.76(Ac.)  =      0.012 Sq. Mi.
        Drainage Area for Depth-Area Areal Adjustment =       7.76(Ac.)  =
0.012 Sq. Mi.
        Length along longest watercourse =    1005.00(Ft.)
        Length along longest watercourse measured to centroid =     455.00(Ft.)
        Length along longest watercourse =      0.190 Mi.
        Length along longest watercourse measured to centroid =      0.086 Mi.
        Difference in elevation =      66.70(Ft.)
        Slope along watercourse =    350.4239 Ft./Mi.
        Average Manning's 'N' = 0.035
        Lag time =    0.058 Hr.
        Lag time =     3.47 Min.
        25% of lag time =     0.87 Min.
        40% of lag time =     1.39 Min.
        Unit time =     5.00 Min.
        Duration of storm = 24 Hour(s)
        User Entered Base Flow =     0.00(CFS)

        2 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
                7.76             2.45                    19.01

        100 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
                7.76             6.08                    47.18

        STORM EVENT (YEAR) =  100.00
        Area Averaged 2-Year Rainfall =    2.450(In)

        Area Averaged 100-Year Rainfall =    6.080(In)

        Point rain (area averaged) =    6.080(In)
        Areal adjustment factor =  100.00 %
        Adjusted average point rain =    6.080(In)

        Sub-Area Data:
        Area(Ac.)         Runoff Index   Impervious %
             6.680           80.00          0.000
             0.920           84.00          0.000
             0.130           77.00          0.120
             0.030           82.00          0.120
         Total Area Entered =      7.76(Ac.)


        RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
        AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
        80.0  80.0      0.244     0.000        0.244       0.861      0.210
        84.0  84.0      0.198     0.000        0.198       0.119      0.024
        77.0  77.0      0.279     0.120        0.249       0.017      0.004
        82.0  82.0      0.221     0.120        0.197       0.004      0.001
                                                          Sum (F) =   0.239
        Area averaged mean soil loss (F) (In/Hr) =  0.239
        Minimum soil loss rate ((In/Hr)) =  0.119
        (for 24 hour storm duration)
        Soil low loss rate (decimal) =   0.900
        ----------------------------------------------------------------------

                        U n i t  H y d r o g r a p h
                              FOOTHILL S-Curve
        ----------------------------------------------------------------------
                        Unit Hydrograph Data
        ----------------------------------------------------------------------
        Unit time period   Time % of lag   Distribution   Unit Hydrograph
            (hrs)                           Graph %           (CFS)
        ----------------------------------------------------------------------
            1   0.083        143.995         28.858             2.257
            2   0.167        287.989         54.768             4.283
            3   0.250        431.984         12.590             0.985
            4   0.333        575.979          2.746             0.215
            5   0.417        719.974          1.038             0.081
                                      Sum = 100.000   Sum=       7.821
    ----------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
        1   0.08     0.07      0.049       (  0.423)       0.044        0.005
        2   0.17     0.07      0.049       (  0.421)       0.044        0.005
        3   0.25     0.07      0.049       (  0.420)       0.044        0.005
        4   0.33     0.10      0.073       (  0.418)       0.066        0.007
        5   0.42     0.10      0.073       (  0.416)       0.066        0.007
        6   0.50     0.10      0.073       (  0.415)       0.066        0.007
        7   0.58     0.10      0.073       (  0.413)       0.066        0.007
        8   0.67     0.10      0.073       (  0.411)       0.066        0.007
        9   0.75     0.10      0.073       (  0.410)       0.066        0.007
       10   0.83     0.13      0.097       (  0.408)       0.088        0.010
       11   0.92     0.13      0.097       (  0.407)       0.088        0.010
       12   1.00     0.13      0.097       (  0.405)       0.088        0.010
```

13	1.08	0.10	0.073	(0.403)	0.066	0.007
14	1.17	0.10	0.073	(0.402)	0.066	0.007
15	1.25	0.10	0.073	(0.400)	0.066	0.007
16	1.33	0.10	0.073	(0.399)	0.066	0.007
17	1.42	0.10	0.073	(0.397)	0.066	0.007
18	1.50	0.10	0.073	(0.395)	0.066	0.007
19	1.58	0.10	0.073	(0.394)	0.066	0.007
20	1.67	0.10	0.073	(0.392)	0.066	0.007
21	1.75	0.10	0.073	(0.391)	0.066	0.007
22	1.83	0.13	0.097	(0.389)	0.088	0.010
23	1.92	0.13	0.097	(0.388)	0.088	0.010
24	2.00	0.13	0.097	(0.386)	0.088	0.010
25	2.08	0.13	0.097	(0.384)	0.088	0.010
26	2.17	0.13	0.097	(0.383)	0.088	0.010
27	2.25	0.13	0.097	(0.381)	0.088	0.010
28	2.33	0.13	0.097	(0.380)	0.088	0.010
29	2.42	0.13	0.097	(0.378)	0.088	0.010
30	2.50	0.13	0.097	(0.377)	0.088	0.010
31	2.58	0.17	0.122	(0.375)	0.109	0.012
32	2.67	0.17	0.122	(0.374)	0.109	0.012
33	2.75	0.17	0.122	(0.372)	0.109	0.012
34	2.83	0.17	0.122	(0.371)	0.109	0.012
35	2.92	0.17	0.122	(0.369)	0.109	0.012
36	3.00	0.17	0.122	(0.367)	0.109	0.012
37	3.08	0.17	0.122	(0.366)	0.109	0.012
38	3.17	0.17	0.122	(0.364)	0.109	0.012
39	3.25	0.17	0.122	(0.363)	0.109	0.012
40	3.33	0.17	0.122	(0.361)	0.109	0.012
41	3.42	0.17	0.122	(0.360)	0.109	0.012
42	3.50	0.17	0.122	(0.358)	0.109	0.012
43	3.58	0.17	0.122	(0.357)	0.109	0.012
44	3.67	0.17	0.122	(0.355)	0.109	0.012
45	3.75	0.17	0.122	(0.354)	0.109	0.012
46	3.83	0.20	0.146	(0.352)	0.131	0.015
47	3.92	0.20	0.146	(0.351)	0.131	0.015
48	4.00	0.20	0.146	(0.349)	0.131	0.015
49	4.08	0.20	0.146	(0.348)	0.131	0.015
50	4.17	0.20	0.146	(0.346)	0.131	0.015
51	4.25	0.20	0.146	(0.345)	0.131	0.015
52	4.33	0.23	0.170	(0.344)	0.153	0.017
53	4.42	0.23	0.170	(0.342)	0.153	0.017
54	4.50	0.23	0.170	(0.341)	0.153	0.017
55	4.58	0.23	0.170	(0.339)	0.153	0.017
56	4.67	0.23	0.170	(0.338)	0.153	0.017
57	4.75	0.23	0.170	(0.336)	0.153	0.017
58	4.83	0.27	0.195	(0.335)	0.175	0.019
59	4.92	0.27	0.195	(0.333)	0.175	0.019
60	5.00	0.27	0.195	(0.332)	0.175	0.019
61	5.08	0.20	0.146	(0.330)	0.131	0.015
62	5.17	0.20	0.146	(0.329)	0.131	0.015
63	5.25	0.20	0.146	(0.328)	0.131	0.015
64	5.33	0.23	0.170	(0.326)	0.153	0.017
65	5.42	0.23	0.170	(0.325)	0.153	0.017
66	5.50	0.23	0.170	(0.323)	0.153	0.017
67	5.58	0.27	0.195	(0.322)	0.175	0.019
68	5.67	0.27	0.195	(0.320)	0.175	0.019
69	5.75	0.27	0.195	(0.319)	0.175	0.019
70	5.83	0.27	0.195	(0.318)	0.175	0.019
71	5.92	0.27	0.195	(0.316)	0.175	0.019
72	6.00	0.27	0.195	(0.315)	0.175	0.019
73	6.08	0.30	0.219	(0.313)	0.197	0.022
74	6.17	0.30	0.219	(0.312)	0.197	0.022
75	6.25	0.30	0.219	(0.311)	0.197	0.022
76	6.33	0.30	0.219	(0.309)	0.197	0.022
77	6.42	0.30	0.219	(0.308)	0.197	0.022
78	6.50	0.30	0.219	(0.306)	0.197	0.022
79	6.58	0.33	0.243	(0.305)	0.219	0.024
80	6.67	0.33	0.243	(0.304)	0.219	0.024
81	6.75	0.33	0.243	(0.302)	0.219	0.024
82	6.83	0.33	0.243	(0.301)	0.219	0.024
83	6.92	0.33	0.243	(0.300)	0.219	0.024
84	7.00	0.33	0.243	(0.298)	0.219	0.024
85	7.08	0.33	0.243	(0.297)	0.219	0.024
86	7.17	0.33	0.243	(0.296)	0.219	0.024
87	7.25	0.33	0.243	(0.294)	0.219	0.024
88	7.33	0.37	0.268	(0.293)	0.241	0.027
89	7.42	0.37	0.268	(0.292)	0.241	0.027
90	7.50	0.37	0.268	(0.290)	0.241	0.027
91	7.58	0.40	0.292	(0.289)	0.263	0.029
92	7.67	0.40	0.292	(0.288)	0.263	0.029
93	7.75	0.40	0.292	(0.286)	0.263	0.029
94	7.83	0.43	0.316	(0.285)	0.285	0.032
95	7.92	0.43	0.316	0.284	(0.285)	0.033
96	8.00	0.43	0.316	0.282	(0.285)	0.034
97	8.08	0.50	0.365	0.281	(0.328)	0.084
98	8.17	0.50	0.365	0.280	(0.328)	0.085
99	8.25	0.50	0.365	0.278	(0.328)	0.086
100	8.33	0.50	0.365	0.277	(0.328)	0.088
101	8.42	0.50	0.365	0.276	(0.328)	0.089
102	8.50	0.50	0.365	0.274	(0.328)	0.090
103	8.58	0.53	0.389	0.273	(0.350)	0.116
104	8.67	0.53	0.389	0.272	(0.350)	0.117
105	8.75	0.53	0.389	0.271	(0.350)	0.119
106	8.83	0.57	0.413	0.269	(0.372)	0.144
107	8.92	0.57	0.413	0.268	(0.372)	0.145
108	9.00	0.57	0.413	0.267	(0.372)	0.147
109	9.08	0.63	0.462	0.266	(0.416)	0.197
110	9.17	0.63	0.462	0.264	(0.416)	0.198
111	9.25	0.63	0.462	0.263	(0.416)	0.199
112	9.33	0.67	0.486	0.262	(0.438)	0.225
113	9.42	0.67	0.486	0.260	(0.438)	0.226
114	9.50	0.67	0.486	0.259	(0.438)	0.227
115	9.58	0.70	0.511	0.258	(0.460)	0.253
116	9.67	0.70	0.511	0.257	(0.460)	0.254
117	9.75	0.70	0.511	0.256	(0.460)	0.255
118	9.83	0.73	0.535	0.254	(0.482)	0.281
119	9.92	0.73	0.535	0.253	(0.482)	0.282
120	10.00	0.73	0.535	0.252	(0.482)	0.283
121	10.08	0.50	0.365	0.251	(0.328)	0.114
122	10.17	0.50	0.365	0.249	(0.328)	0.115
123	10.25	0.50	0.365	0.248	(0.328)	0.117
124	10.33	0.50	0.365	0.247	(0.328)	0.118
125	10.42	0.50	0.365	0.246	(0.328)	0.119
126	10.50	0.50	0.365	0.245	(0.328)	0.120
127	10.58	0.67	0.486	0.243	(0.438)	0.243
128	10.67	0.67	0.486	0.242	(0.438)	0.244
129	10.75	0.67	0.486	0.241	(0.438)	0.245
130	10.83	0.67	0.486	0.240	(0.438)	0.247
131	10.92	0.67	0.486	0.239	(0.438)	0.248
132	11.00	0.67	0.486	0.238	(0.438)	0.249
133	11.08	0.63	0.462	0.236	(0.416)	0.226
134	11.17	0.63	0.462	0.235	(0.416)	0.227
135	11.25	0.63	0.462	0.234	(0.416)	0.228
136	11.33	0.63	0.462	0.233	(0.416)	0.229

137	11.42	0.63	0.462	0.232	(0.416)	0.230
138	11.50	0.63	0.462	0.231	(0.416)	0.232
139	11.58	0.57	0.413	0.229	(0.372)	0.184
140	11.67	0.57	0.413	0.228	(0.372)	0.185
141	11.75	0.57	0.413	0.227	(0.372)	0.186
142	11.83	0.60	0.438	0.226	(0.394)	0.212
143	11.92	0.60	0.438	0.225	(0.394)	0.213
144	12.00	0.60	0.438	0.224	(0.394)	0.214
145	12.08	0.83	0.608	0.223	(0.547)	0.385
146	12.17	0.83	0.608	0.222	(0.547)	0.386
147	12.25	0.83	0.608	0.220	(0.547)	0.388
148	12.33	0.87	0.632	0.219	(0.569)	0.413
149	12.42	0.87	0.632	0.218	(0.569)	0.414
150	12.50	0.87	0.632	0.217	(0.569)	0.415
151	12.58	0.93	0.681	0.216	(0.613)	0.465
152	12.67	0.93	0.681	0.215	(0.613)	0.466
153	12.75	0.93	0.681	0.214	(0.613)	0.467
154	12.83	0.97	0.705	0.213	(0.635)	0.493
155	12.92	0.97	0.705	0.212	(0.635)	0.494
156	13.00	0.97	0.705	0.211	(0.635)	0.495
157	13.08	1.13	0.827	0.210	(0.744)	0.617
158	13.17	1.13	0.827	0.208	(0.744)	0.618
159	13.25	1.13	0.827	0.207	(0.744)	0.619
160	13.33	1.13	0.827	0.206	(0.744)	0.620
161	13.42	1.13	0.827	0.205	(0.744)	0.622
162	13.50	1.13	0.827	0.204	(0.744)	0.623
163	13.58	0.77	0.559	0.203	(0.503)	0.356
164	13.67	0.77	0.559	0.202	(0.503)	0.357
165	13.75	0.77	0.559	0.201	(0.503)	0.358
166	13.83	0.77	0.559	0.200	(0.503)	0.359
167	13.92	0.77	0.559	0.199	(0.503)	0.360
168	14.00	0.77	0.559	0.198	(0.503)	0.361
169	14.08	0.90	0.657	0.197	(0.591)	0.460
170	14.17	0.90	0.657	0.196	(0.591)	0.461
171	14.25	0.90	0.657	0.195	(0.591)	0.462
172	14.33	0.87	0.632	0.194	(0.569)	0.438
173	14.42	0.87	0.632	0.193	(0.569)	0.439
174	14.50	0.87	0.632	0.192	(0.569)	0.440
175	14.58	0.87	0.632	0.191	(0.569)	0.441
176	14.67	0.87	0.632	0.190	(0.569)	0.442
177	14.75	0.87	0.632	0.189	(0.569)	0.443
178	14.83	0.83	0.608	0.188	(0.547)	0.420
179	14.92	0.83	0.608	0.187	(0.547)	0.421
180	15.00	0.83	0.608	0.186	(0.547)	0.422
181	15.08	0.80	0.584	0.185	(0.525)	0.398
182	15.17	0.80	0.584	0.184	(0.525)	0.399
183	15.25	0.80	0.584	0.183	(0.525)	0.400
184	15.33	0.77	0.559	0.182	(0.503)	0.377
185	15.42	0.77	0.559	0.182	(0.503)	0.378
186	15.50	0.77	0.559	0.181	(0.503)	0.379
187	15.58	0.63	0.462	0.180	(0.416)	0.282
188	15.67	0.63	0.462	0.179	(0.416)	0.283
189	15.75	0.63	0.462	0.178	(0.416)	0.284
190	15.83	0.63	0.462	0.177	(0.416)	0.285
191	15.92	0.63	0.462	0.176	(0.416)	0.286
192	16.00	0.63	0.462	0.175	(0.416)	0.287
193	16.08	0.13	0.097	(0.174)	0.088	0.010
194	16.17	0.13	0.097	(0.173)	0.088	0.010
195	16.25	0.13	0.097	(0.172)	0.088	0.010
196	16.33	0.13	0.097	(0.172)	0.088	0.010
197	16.42	0.13	0.097	(0.171)	0.088	0.010
198	16.50	0.13	0.097	(0.170)	0.088	0.010
199	16.58	0.10	0.073	(0.169)	0.066	0.007
200	16.67	0.10	0.073	(0.168)	0.066	0.007
201	16.75	0.10	0.073	(0.167)	0.066	0.007
202	16.83	0.10	0.073	(0.166)	0.066	0.007
203	16.92	0.10	0.073	(0.166)	0.066	0.007
204	17.00	0.10	0.073	(0.165)	0.066	0.007
205	17.08	0.17	0.122	(0.164)	0.109	0.012
206	17.17	0.17	0.122	(0.163)	0.109	0.012
207	17.25	0.17	0.122	(0.162)	0.109	0.012
208	17.33	0.17	0.122	(0.161)	0.109	0.012
209	17.42	0.17	0.122	(0.161)	0.109	0.012
210	17.50	0.17	0.122	(0.160)	0.109	0.012
211	17.58	0.17	0.122	(0.159)	0.109	0.012
212	17.67	0.17	0.122	(0.158)	0.109	0.012
213	17.75	0.17	0.122	(0.157)	0.109	0.012
214	17.83	0.13	0.097	(0.157)	0.088	0.010
215	17.92	0.13	0.097	(0.156)	0.088	0.010
216	18.00	0.13	0.097	(0.155)	0.088	0.010
217	18.08	0.13	0.097	(0.154)	0.088	0.010
218	18.17	0.13	0.097	(0.154)	0.088	0.010
219	18.25	0.13	0.097	(0.153)	0.088	0.010
220	18.33	0.13	0.097	(0.152)	0.088	0.010
221	18.42	0.13	0.097	(0.151)	0.088	0.010
222	18.50	0.13	0.097	(0.151)	0.088	0.010
223	18.58	0.10	0.073	(0.150)	0.066	0.007
224	18.67	0.10	0.073	(0.149)	0.066	0.007
225	18.75	0.10	0.073	(0.148)	0.066	0.007
226	18.83	0.07	0.049	(0.148)	0.044	0.005
227	18.92	0.07	0.049	(0.147)	0.044	0.005
228	19.00	0.07	0.049	(0.146)	0.044	0.005
229	19.08	0.10	0.073	(0.146)	0.066	0.007
230	19.17	0.10	0.073	(0.145)	0.066	0.007
231	19.25	0.10	0.073	(0.144)	0.066	0.007
232	19.33	0.13	0.097	(0.144)	0.088	0.010
233	19.42	0.13	0.097	(0.143)	0.088	0.010
234	19.50	0.13	0.097	(0.142)	0.088	0.010
235	19.58	0.10	0.073	(0.142)	0.066	0.007
236	19.67	0.10	0.073	(0.141)	0.066	0.007
237	19.75	0.10	0.073	(0.140)	0.066	0.007
238	19.83	0.07	0.049	(0.140)	0.044	0.005
239	19.92	0.07	0.049	(0.139)	0.044	0.005
240	20.00	0.07	0.049	(0.138)	0.044	0.005
241	20.08	0.10	0.073	(0.138)	0.066	0.007
242	20.17	0.10	0.073	(0.137)	0.066	0.007
243	20.25	0.10	0.073	(0.137)	0.066	0.007
244	20.33	0.10	0.073	(0.136)	0.066	0.007
245	20.42	0.10	0.073	(0.136)	0.066	0.007
246	20.50	0.10	0.073	(0.135)	0.066	0.007
247	20.58	0.10	0.073	(0.134)	0.066	0.007
248	20.67	0.10	0.073	(0.134)	0.066	0.007
249	20.75	0.10	0.073	(0.133)	0.066	0.007
250	20.83	0.07	0.049	(0.133)	0.044	0.005
251	20.92	0.07	0.049	(0.132)	0.044	0.005
252	21.00	0.07	0.049	(0.132)	0.044	0.005
253	21.08	0.10	0.073	(0.131)	0.066	0.007
254	21.17	0.10	0.073	(0.131)	0.066	0.007
255	21.25	0.10	0.073	(0.130)	0.066	0.007
256	21.33	0.07	0.049	(0.130)	0.044	0.005
257	21.42	0.07	0.049	(0.129)	0.044	0.005
258	21.50	0.07	0.049	(0.129)	0.044	0.005
259	21.58	0.10	0.073	(0.128)	0.066	0.007
260	21.67	0.10	0.073	(0.128)	0.066	0.007

261	21.75	0.10	0.073	(0.127)	0.066	0.007
262	21.83	0.07	0.049	(0.127)	0.044	0.005
263	21.92	0.07	0.049	(0.126)	0.044	0.005
264	22.00	0.07	0.049	(0.126)	0.044	0.005
265	22.08	0.10	0.073	(0.126)	0.066	0.007
266	22.17	0.10	0.073	(0.125)	0.066	0.007
267	22.25	0.10	0.073	(0.125)	0.066	0.007
268	22.33	0.07	0.049	(0.124)	0.044	0.005
269	22.42	0.07	0.049	(0.124)	0.044	0.005
270	22.50	0.07	0.049	(0.124)	0.044	0.005
271	22.58	0.07	0.049	(0.123)	0.044	0.005
272	22.67	0.07	0.049	(0.123)	0.044	0.005
273	22.75	0.07	0.049	(0.123)	0.044	0.005
274	22.83	0.07	0.049	(0.122)	0.044	0.005
275	22.92	0.07	0.049	(0.122)	0.044	0.005
276	23.00	0.07	0.049	(0.122)	0.044	0.005
277	23.08	0.07	0.049	(0.121)	0.044	0.005
278	23.17	0.07	0.049	(0.121)	0.044	0.005
279	23.25	0.07	0.049	(0.121)	0.044	0.005
280	23.33	0.07	0.049	(0.121)	0.044	0.005
281	23.42	0.07	0.049	(0.120)	0.044	0.005
282	23.50	0.07	0.049	(0.120)	0.044	0.005
283	23.58	0.07	0.049	(0.120)	0.044	0.005
284	23.67	0.07	0.049	(0.120)	0.044	0.005
285	23.75	0.07	0.049	(0.120)	0.044	0.005
286	23.83	0.07	0.049	(0.119)	0.044	0.005
287	23.92	0.07	0.049	(0.119)	0.044	0.005
288	24.00	0.07	0.049	(0.119)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 31.6

Flood volume = Effective rainfall 2.63(In)
times area 7.8(Ac.)/[(In)/(Ft.)] = 1.7(Ac.Ft)
Total soil loss = 3.45(In)
Total soil loss = 2.228(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 74208.1 Cubic Feet
Total soil loss = 97055.7 Cubic Feet

Peak flow rate of this hydrograph = 4.864(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q	|	|	|	|
0+10	0.0003	0.03	Q	|	|	|	|
0+15	0.0005	0.04	Q	|	|	|	|
0+20	0.0008	0.04	Q	|	|	|	|
0+25	0.0012	0.05	Q	|	|	|	|
0+30	0.0016	0.06	Q	|	|	|	|
0+35	0.0020	0.06	Q	|	|	|	|
0+40	0.0024	0.06	Q	|	|	|	|
0+45	0.0028	0.06	Q	|	|	|	|
0+50	0.0032	0.06	Q	|	|	|	|
0+55	0.0037	0.07	Q	|	|	|	|
1+ 0	0.0042	0.08	Q	|	|	|	|
1+ 5	0.0047	0.07	Q	|	|	|	|
1+10	0.0051	0.06	Q	|	|	|	|
1+15	0.0055	0.06	Q	|	|	|	|
1+20	0.0059	0.06	Q	|	|	|	|
1+25	0.0063	0.06	Q	|	|	|	|
1+30	0.0067	0.06	Q	|	|	|	|
1+35	0.0071	0.06	Q	|	|	|	|
1+40	0.0075	0.06	Q	|	|	|	|
1+45	0.0079	0.06	Q	|	|	|	|
1+50	0.0083	0.06	Q	|	|	|	|
1+55	0.0088	0.07	Q	|	|	|	|
2+ 0	0.0093	0.08	Q	|	|	|	|
2+ 5	0.0099	0.08	Q	|	|	|	|
2+10	0.0104	0.08	Q	|	|	|	|
2+15	0.0109	0.08	Q	|	|	|	|
2+20	0.0114	0.08	Q	|	|	|	|
2+25	0.0120	0.08	Q	|	|	|	|
2+30	0.0125	0.08	Q	|	|	|	|
2+35	0.0131	0.08	Q	|	|	|	|
2+40	0.0137	0.09	Q	|	|	|	|
2+45	0.0143	0.09	Q	|	|	|	|
2+50	0.0150	0.09	Q	|	|	|	|
2+55	0.0156	0.10	Q	|	|	|	|
3+ 0	0.0163	0.10	Q	|	|	|	|
3+ 5	0.0170	0.10	Q	|	|	|	|
3+10	0.0176	0.10	Q	|	|	|	|
3+15	0.0183	0.10	Q	|	|	|	|
3+20	0.0189	0.10	Q	|	|	|	|
3+25	0.0196	0.10	Q	|	|	|	|
3+30	0.0202	0.10	Q	|	|	|	|
3+35	0.0209	0.10	Q	|	|	|	|
3+40	0.0215	0.10	Q	|	|	|	|
3+45	0.0222	0.10	Q	|	|	|	|
3+50	0.0229	0.10	Q	|	|	|	|
3+55	0.0237	0.11	Q	|	|	|	|
4+ 0	0.0244	0.11	Q	|	|	|	|
4+ 5	0.0252	0.11	Q	|	|	|	|
4+10	0.0260	0.11	Q	|	|	|	|
4+15	0.0268	0.11	Q	|	|	|	|
4+20	0.0276	0.12	Q	|	|	|	|
4+25	0.0285	0.13	Q	|	|	|	|
4+30	0.0294	0.13	Q	|	|	|	|
4+35	0.0303	0.13	Q	|	|	|	|
4+40	0.0313	0.13	Q	|	|	|	|
4+45	0.0322	0.13	Q	|	|	|	|
4+50	0.0331	0.14	Q	|	|	|	|
4+55	0.0342	0.15	Q	|	|	|	|
5+ 0	0.0352	0.15	Q	|	|	|	|
5+ 5	0.0362	0.14	Q	|	|	|	|
5+10	0.0370	0.12	Q	|	|	|	|
5+15	0.0378	0.12	Q	|	|	|	|
5+20	0.0386	0.12	Q	|	|	|	|
5+25	0.0395	0.13	Q	|	|	|	|
5+30	0.0404	0.13	Q	|	|	|	|
5+35	0.0414	0.14	Q	|	|	|	|
5+40	0.0424	0.15	Q	|	|	|	|
5+45	0.0435	0.15	QV	|	|	|	|
5+50	0.0445	0.15	QV	|	|	|	|
5+55	0.0456	0.15	QV	|	|	|	|
6+ 0	0.0466	0.15	QV	|	|	|	|
6+ 5	0.0477	0.16	QV	|	|	|	|
6+10	0.0488	0.17	QV	|	|	|	|
6+15	0.0500	0.17	QV	|	|	|	|

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  6+20      0.0512      0.17  QV        |         |         |         |
  6+25      0.0524      0.17  QV        |         |         |         |
  6+30      0.0536      0.17  QV        |         |         |         |
  6+35      0.0548      0.18  QV        |         |         |         |
  6+40      0.0561      0.19  QV        |         |         |         |
  6+45      0.0574      0.19  QV        |         |         |         |
  6+50      0.0587      0.19  QV        |         |         |         |
  6+55      0.0600      0.19  QV        |         |         |         |
  7+ 0      0.0613      0.19  QV        |         |         |         |
  7+ 5      0.0626      0.19  QV        |         |         |         |
  7+10      0.0639      0.19  QV        |         |         |         |
  7+15      0.0652      0.19  QV        |         |         |         |
  7+20      0.0666      0.20  QV        |         |         |         |
  7+25      0.0680      0.21  QV        |         |         |         |
  7+30      0.0694      0.21  QV        |         |         |         |
  7+35      0.0709      0.21  QV        |         |         |         |
  7+40      0.0725      0.23  QV        |         |         |         |
  7+45      0.0740      0.23  QV        |         |         |         |
  7+50      0.0756      0.23  QV        |         |         |         |
  7+55      0.0773      0.25  QV        |         |         |         |
  8+ 0      0.0791      0.26  |Q        |         |         |         |
  8+ 5      0.0817      0.38  |Q        |         |         |         |
  8+10      0.0858      0.59  | Q       |         |         |         |
  8+15      0.0903      0.65  | Q       |         |         |         |
  8+20      0.0949      0.67  | Q       |         |         |         |
  8+25      0.0997      0.69  | Q       |         |         |         |
  8+30      0.1045      0.70  | Q       |         |         |         |
  8+35      0.1097      0.76  | VQ      |         |         |         |
  8+40      0.1158      0.88  | VQ      |         |         |         |
  8+45      0.1220      0.91  | VQ      |         |         |         |
  8+50      0.1288      0.98  |  Q      |         |         |         |
  8+55      0.1363      1.10  |  VQ     |         |         |         |
  9+ 0      0.1441      1.13  |  VQ     |         |         |         |
  9+ 5      0.1528      1.26  |  V Q    |         |         |         |
  9+10      0.1629      1.48  |  V Q    |         |         |         |
  9+15      0.1735      1.53  |   V Q   |         |         |         |
  9+20      0.1846      1.61  |   V Q   |         |         |         |
  9+25      0.1965      1.73  |   V Q   |         |         |         |
  9+30      0.2086      1.76  |   V  Q  |         |         |         |
  9+35      0.2212      1.83  |    V Q  |         |         |         |
  9+40      0.2346      1.95  |    V Q  |         |         |         |
  9+45      0.2483      1.98  |    V Q  |         |         |         |
  9+50      0.2624      2.05  |     V Q |         |         |         |
  9+55      0.2773      2.17  |     V Q |         |         |         |
 10+ 0      0.2925      2.20  |     V Q |         |         |         |
 10+ 5      0.3051      1.83  |      Q  |         |         |         |
 10+10      0.3127      1.11  |   Q  V  |         |         |         |
 10+15      0.3193      0.95  |  Q   V  |         |         |         |
 10+20      0.3257      0.93  |  Q   V  |         |         |         |
 10+25      0.3320      0.92  |  Q   V  |         |         |         |
 10+30      0.3385      0.93  |  Q   V  |         |         |         |
 10+35      0.3468      1.22  |   Q   V |         |         |         |
 10+40      0.3589      1.75  |     Q V |         |         |         |
 10+45      0.3718      1.88  |      QV |         |         |         |
 10+50      0.3849      1.91  |      Q V|         |         |         |
 10+55      0.3982      1.93  |      Q V|         |         |         |
 11+ 0      0.4116      1.94  |      Q V|         |         |         |
 11+ 5      0.4246      1.89  |      Q V|         |         |         |
 11+10      0.4370      1.80  |      Q  V         |         |         |
 11+15      0.4493      1.78  |      Q  V         |         |         |
 11+20      0.4616      1.79  |      Q  V         |         |         |
 11+25      0.4739      1.79  |      Q  |V        |         |         |
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 11+30      0.4864      1.80  |      Q  |V        |         |         |
 11+35      0.4981      1.70  |     Q   |V        |         |         |
 11+40      0.5084      1.50  |     Q   |V        |         |         |
 11+45      0.5185      1.46  |    Q    | V       |         |         |
 11+50      0.5290      1.52  |     Q   | V       |         |         |
 11+55      0.5402      1.63  |     Q   | V       |         |         |
 12+ 0      0.5516      1.66  |     Q   | V       |         |         |
 12+ 5      0.5658      2.06  |       Q |  V      |         |         |
 12+10      0.5850      2.80  |         |Q V      |         |         |
 12+15      0.6055      2.97  |         |Q  V     |         |         |
 12+20      0.6267      3.07  |         | Q V     |         |         |
 12+25      0.6487      3.20  |         | Q  V    |         |         |
 12+30      0.6710      3.23  |         | Q  V    |         |         |
 12+35      0.6941      3.36  |         |  Q  V   |         |         |
 12+40      0.7188      3.58  |         |   Q V   |         |         |
 12+45      0.7438      3.63  |         |   Q  V  |         |         |
 12+50      0.7693      3.71  |         |   Q   V |         |         |
 12+55      0.7956      3.82  |         |    Q  V |         |         |
 13+ 0      0.8222      3.86  |         |    Q   V|         |         |
 13+ 5      0.8507      4.14  |         |     Q  V|         |         |
 13+10      0.8829      4.68  |         |       Q V         |         |
 13+15      0.9160      4.80  |         |        Q|V        |         |
 13+20      0.9493      4.84  |         |        Q| V       |         |
 13+25      0.9828      4.86  |         |        Q|  V      |         |
 13+30      1.0163      4.86  |         |        Q|  V      |         |
 13+35      1.0457      4.27  |         |      Q  |   V     |         |
 13+40      1.0672      3.13  |         | Q       |    V    |         |
 13+45      1.0870      2.87  |         |Q        |    V    |         |
 13+50      1.1065      2.82  |         |Q        |    V    |         |
 13+55      1.1258      2.81  |         |Q        |     V   |         |
 14+ 0      1.1452      2.82  |         |Q        |     V   |         |
 14+ 5      1.1662      3.05  |         | Q       |      V  |         |
 14+10      1.1901      3.47  |         |  Q      |      V  |         |
 14+15      1.2148      3.58  |         |   Q     |       V |         |
 14+20      1.2392      3.55  |         |   Q     |        V|         |
 14+25      1.2630      3.46  |         |  Q      |        V|         |
 14+30      1.2868      3.44  |         |  Q      |         V         |
 14+35      1.3105      3.45  |         |  Q      |         V         |
 14+40      1.3343      3.45  |         |  Q      |         |V        |
 14+45      1.3581      3.46  |         |  Q      |         |V        |
 14+50      1.3816      3.41  |         |  Q      |         | V       |
 14+55      1.4045      3.32  |         |  Q      |         | V       |
 15+ 0      1.4272      3.30  |         |  Q      |         |  V      |
 15+ 5      1.4495      3.25  |         | Q       |         |   V     |
 15+10      1.4712      3.15  |         | Q       |         |   V     |
 15+15      1.4928      3.13  |         | Q       |         |    V    |
 15+20      1.5140      3.08  |         | Q       |         |    V    |
 15+25      1.5345      2.98  |         |Q        |         |     V   |
 15+30      1.5550      2.96  |         |Q        |         |     V   |
 15+35      1.5739      2.75  |        Q|         |         |     V   |
 15+40      1.5899      2.33  |       Q |         |         |      V  |
 15+45      1.6054      2.25  |      Q  |         |         |      V  |
 15+50      1.6208      2.23  |      Q  |         |         |       V |
 15+55      1.6362      2.23  |      Q  |         |         |       V |
 16+ 0      1.6516      2.24  |      Q  |         |         |       V |
 16+ 5      1.6627      1.62  |    Q    |         |         |        V|
 16+10      1.6657      0.43  |Q        |         |         |        V|
 16+15      1.6668      0.16  Q         |         |         |        V|
 16+20      1.6675      0.10  Q         |         |         |        V|
 16+25      1.6680      0.08  Q         |         |         |        V|
 16+30      1.6685      0.08  Q         |         |         |        V|
 16+35      1.6690      0.07  Q         |         |         |        V|
```

16+40	1.6694	0.06	Q	|	|	|	V|
16+45	1.6698	0.06	Q	|	|	|	V|
16+50	1.6702	0.06	Q	|	|	|	V|
16+55	1.6706	0.06	Q	|	|	|	V|
17+ 0	1.6710	0.06	Q	|	|	|	V|
17+ 5	1.6714	0.07	Q	|	|	|	V|
17+10	1.6721	0.09	Q	|	|	|	V|
17+15	1.6727	0.09	Q	|	|	|	V|
17+20	1.6734	0.09	Q	|	|	|	V|
17+25	1.6740	0.10	Q	|	|	|	V|
17+30	1.6747	0.10	Q	|	|	|	V|
17+35	1.6753	0.10	Q	|	|	|	V|
17+40	1.6760	0.10	Q	|	|	|	V|
17+45	1.6766	0.10	Q	|	|	|	V|
17+50	1.6773	0.09	Q	|	|	|	V|
17+55	1.6778	0.08	Q	|	|	|	V|
18+ 0	1.6783	0.08	Q	|	|	|	V|
18+ 5	1.6789	0.08	Q	|	|	|	V|
18+10	1.6794	0.08	Q	|	|	|	V|
18+15	1.6799	0.08	Q	|	|	|	V|
18+20	1.6804	0.08	Q	|	|	|	V|
18+25	1.6810	0.08	Q	|	|	|	V|
18+30	1.6815	0.08	Q	|	|	|	V|
18+35	1.6820	0.07	Q	|	|	|	V|
18+40	1.6824	0.06	Q	|	|	|	V|
18+45	1.6828	0.06	Q	|	|	|	V|
18+50	1.6831	0.05	Q	|	|	|	V|
18+55	1.6834	0.04	Q	|	|	|	V|
19+ 0	1.6837	0.04	Q	|	|	|	V|
19+ 5	1.6840	0.04	Q	|	|	|	V|
19+10	1.6844	0.05	Q	|	|	|	V|
19+15	1.6847	0.06	Q	|	|	|	V|
19+20	1.6852	0.06	Q	|	|	|	V|
19+25	1.6857	0.07	Q	|	|	|	V|
19+30	1.6862	0.08	Q	|	|	|	V|
19+35	1.6867	0.07	Q	|	|	|	V|
19+40	1.6871	0.06	Q	|	|	|	V|
19+45	1.6875	0.06	Q	|	|	|	V|
19+50	1.6878	0.05	Q	|	|	|	V|
19+55	1.6881	0.04	Q	|	|	|	V|
20+ 0	1.6884	0.04	Q	|	|	|	V|
20+ 5	1.6887	0.04	Q	|	|	|	V|
20+10	1.6891	0.05	Q	|	|	|	V|
20+15	1.6895	0.06	Q	|	|	|	V|
20+20	1.6899	0.06	Q	|	|	|	V|
20+25	1.6902	0.06	Q	|	|	|	V|
20+30	1.6906	0.06	Q	|	|	|	V|
20+35	1.6910	0.06	Q	|	|	|	V|
20+40	1.6914	0.06	Q	|	|	|	V|
20+45	1.6918	0.06	Q	|	|	|	V|
20+50	1.6922	0.05	Q	|	|	|	V|
20+55	1.6925	0.04	Q	|	|	|	V|
21+ 0	1.6927	0.04	Q	|	|	|	V|
21+ 5	1.6930	0.04	Q	|	|	|	V|
21+10	1.6934	0.05	Q	|	|	|	V|
21+15	1.6938	0.06	Q	|	|	|	V|
21+20	1.6941	0.05	Q	|	|	|	V|
21+25	1.6944	0.04	Q	|	|	|	V|
21+30	1.6947	0.04	Q	|	|	|	V|
21+35	1.6950	0.04	Q	|	|	|	V|
21+40	1.6954	0.05	Q	|	|	|	V|
21+45	1.6958	0.06	Q	|	|	|	V|
21+50	1.6961	0.05	Q	|	|	|	V|
21+55	1.6964	0.04	Q	|	|	|	V|
22+ 0	1.6967	0.04	Q	|	|	|	V|
22+ 5	1.6970	0.04	Q	|	|	|	V|
22+10	1.6973	0.05	Q	|	|	|	V|
22+15	1.6977	0.06	Q	|	|	|	V|
22+20	1.6981	0.05	Q	|	|	|	V|
22+25	1.6984	0.04	Q	|	|	|	V|
22+30	1.6986	0.04	Q	|	|	|	V|
22+35	1.6989	0.04	Q	|	|	|	V|
22+40	1.6991	0.04	Q	|	|	|	V|
22+45	1.6994	0.04	Q	|	|	|	V|
22+50	1.6997	0.04	Q	|	|	|	V|
22+55	1.6999	0.04	Q	|	|	|	V|
23+ 0	1.7002	0.04	Q	|	|	|	V|
23+ 5	1.7005	0.04	Q	|	|	|	V|
23+10	1.7007	0.04	Q	|	|	|	V|
23+15	1.7010	0.04	Q	|	|	|	V|
23+20	1.7012	0.04	Q	|	|	|	V|
23+25	1.7015	0.04	Q	|	|	|	V|
23+30	1.7018	0.04	Q	|	|	|	V|
23+35	1.7020	0.04	Q	|	|	|	V|
23+40	1.7023	0.04	Q	|	|	|	V|
23+45	1.7026	0.04	Q	|	|	|	V|
23+50	1.7028	0.04	Q	|	|	|	V|
23+55	1.7031	0.04	Q	|	|	|	V|
24+ 0	1.7033	0.04	Q	|	|	|	V|
24+ 5	1.7035	0.03	Q	|	|	|	V|
24+10	1.7036	0.01	Q	|	|	|	V|
24+15	1.7036	0.00	Q	|	|	|	V|
24+20	1.7036	0.00	Q	|	|	|	V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/22/24 File: MESAP4D1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4D
2/09/24
--------------------------------------------------------------------------
Drainage Area =      87.40(Ac.)  =      0.137 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      87.40(Ac.)  =
0.137 Sq. Mi.
Length along longest watercourse =    5170.00(Ft.)
Length along longest watercourse measured to centroid =    2395.00(Ft.)
Length along longest watercourse =      0.979 Mi.
Length along longest watercourse measured to centroid =      0.454 Mi.
Difference in elevation =     101.00(Ft.)
Slope along watercourse =    103.1489 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.110 Hr.
Lag time =     6.58 Min.
25% of lag time =     1.64 Min.
40% of lag time =     2.63 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       87.40              0.94                   82.16

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       87.40              1.97                  172.18

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.96 %
Adjusted average point rain =    1.969(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.870           95.00          0.900
     0.000           77.00          0.750
     1.860           85.00          0.750
    51.570           90.00          0.750
    32.040           92.00          0.750
     0.140           87.00          0.380
     0.920           77.00          0.120
 Total Area Entered =     87.40(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
95.0  95.0      0.065     0.900        0.012       0.010      0.000
77.0  77.0      0.279     0.750        0.091       0.000      0.000
85.0  85.0      0.187     0.750        0.061       0.021      0.001
90.0  90.0      0.130     0.750        0.042       0.590      0.025
92.0  92.0      0.104     0.750        0.034       0.367      0.012
87.0  87.0      0.164     0.380        0.108       0.002      0.000
77.0  77.0      0.279     0.120        0.249       0.011      0.003
                                                 Sum (F) =   0.042
Area averaged mean soil loss (F) (In/Hr) =  0.042
Minimum soil loss rate ((In/Hr)) =  0.021
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.300
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083         76.035          8.234              7.253
    2   0.167        152.070         45.757             40.304
    3   0.250        228.105         26.196             23.074
    4   0.333        304.140         10.194              8.979
    5   0.417        380.175          5.347              4.710
    6   0.500        456.210          2.349              2.069
    7   0.583        532.245          0.838              0.739
    8   0.667        608.280          0.550              0.484
    9   0.750        684.315          0.405              0.357
   10   0.833        760.350          0.130              0.115
                              Sum = 100.000   Sum=      88.083
--------------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     1.30      0.307          0.042    (  0.092)        0.266
```

```
 2   0.17     1.30      0.307          0.042    (  0.092)        0.266
 3   0.25     1.10      0.260          0.042    (  0.078)        0.218
 4   0.33     1.50      0.354          0.042    (  0.106)        0.313
 5   0.42     1.50      0.354          0.042    (  0.106)        0.313
 6   0.50     1.80      0.425          0.042    (  0.128)        0.384
 7   0.58     1.50      0.354          0.042    (  0.106)        0.313
 8   0.67     1.80      0.425          0.042    (  0.128)        0.384
 9   0.75     1.80      0.425          0.042    (  0.128)        0.384
10   0.83     1.50      0.354          0.042    (  0.106)        0.313
11   0.92     1.60      0.378          0.042    (  0.113)        0.337
12   1.00     1.80      0.425          0.042    (  0.128)        0.384
13   1.08     2.20      0.520          0.042    (  0.156)        0.478
14   1.17     2.20      0.520          0.042    (  0.156)        0.478
15   1.25     2.20      0.520          0.042    (  0.156)        0.478
16   1.33     2.00      0.473          0.042    (  0.142)        0.431
17   1.42     2.60      0.614          0.042    (  0.184)        0.573
18   1.50     2.70      0.638          0.042    (  0.191)        0.597
19   1.58     2.40      0.567          0.042    (  0.170)        0.526
20   1.67     2.70      0.638          0.042    (  0.191)        0.597
21   1.75     3.30      0.780          0.042    (  0.234)        0.738
22   1.83     3.10      0.733          0.042    (  0.220)        0.691
23   1.92     2.90      0.685          0.042    (  0.206)        0.644
24   2.00     3.00      0.709          0.042    (  0.213)        0.667
25   2.08     3.10      0.733          0.042    (  0.220)        0.691
26   2.17     4.20      0.993          0.042    (  0.298)        0.951
27   2.25     5.00      1.182          0.042    (  0.354)        1.140
28   2.33     3.50      0.827          0.042    (  0.248)        0.786
29   2.42     6.80      1.607          0.042    (  0.482)        1.565
30   2.50     7.30      1.725          0.042    (  0.518)        1.684
31   2.58     8.20      1.938          0.042    (  0.581)        1.896
32   2.67     5.90      1.394          0.042    (  0.418)        1.353
33   2.75     2.00      0.473          0.042    (  0.142)        0.431
34   2.83     1.80      0.425          0.042    (  0.128)        0.384
35   2.92     1.80      0.425          0.042    (  0.128)        0.384
36   3.00     0.60      0.142          0.042    (  0.043)        0.100
              (Loss Rate Not Used)
   Sum =     100.0                                Sum =    22.1
      Flood volume = Effective rainfall      1.84(In)
       times area      87.4(Ac.)/[(In)/(Ft.)] =      13.4(Ac.Ft)
      Total soil loss =      0.12(In)
      Total soil loss =     0.907(Ac.Ft)
      Total rainfall =      1.97(In)
      Flood volume =      585236.6 Cubic Feet
      Total soil loss =       39530.5 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =    146.620(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0133      1.93  Q         |         |         |         |
  0+10       0.1003     12.64  V Q       |         |         |         |
  0+15       0.2273     18.43  V  Q      |         |         |         |
  0+20       0.3622     19.60  |V Q      |         |         |         |
  0+25       0.5246     23.57  |V  Q     |         |         |         |
  0+30       0.7063     26.39  | V  Q    |         |         |         |
  0+35       0.9099     29.56  | V  Q    |         |         |         |
  0+40       1.1119     29.33  |  V Q    |         |         |         |
  0+45       1.3285     31.44  |  V  Q   |         |         |         |
  0+50       1.5512     32.34  |   V Q   |         |         |         |
  0+55       1.7587     30.13  |    VQ   |         |         |         |
  1+ 0       1.9657     30.06  |    VQ   |         |         |         |
  1+ 5       2.1909     32.70  |     Q   |         |         |         |
  1+10       2.4493     37.52  |      Q  |         |         |         |
  1+15       2.7256     40.11  |       Q |         |         |         |
  1+20       3.0069     40.85  |       Q |         |         |         |
  1+25       3.2859     40.51  |       QV|         |         |         |
  1+30       3.5995     45.53  |        QV         |         |         |
  1+35       3.9363     48.91  |        Q|V        |         |         |
  1+40       4.2684     48.22  |        Q| V       |         |         |
  1+45       4.6217     51.30  |         Q  V      |         |         |
  1+50       5.0215     58.05  |         |Q  V     |         |         |
  1+55       5.4313     59.51  |         |Q    V   |         |         |
  2+ 0       5.8322     58.21  |         |Q     V  |         |         |
  2+ 5       6.2361     58.64  |         |Q      V |         |         |
  2+10       6.6611     61.72  |         | Q      V|         |         |
  2+15       7.1716     74.12  |         |   Q     |V        |         |
  2+20       7.7602     85.45  |         |     Q   |  V      |         |
  2+25       8.3365     83.68  |         |     Q   |   V     |         |
  2+30       9.0993    110.77  |         |         | Q    V  |         |
  2+35      10.0175    133.33  |         |         |     Q  V|         |
  2+40      11.0273    146.62  |         |         |       Q| V       |
  2+45      11.9034    127.20  |         |         |    Q    |    V    |
  2+50      12.4623     81.16  |         |     Q   |         |      V  |
  2+55      12.8400     54.84  |         |Q        |         |       V |
  3+ 0      13.1268     41.65  |        Q|         |         |         V|
  3+ 5      13.2925     24.05  |   Q     |         |         |         V|
  3+10      13.3693     11.16  | Q       |         |         |         V|
  3+15      13.4062      5.35  |Q        |         |         |         V|
  3+20      13.4231      2.46  Q         |         |         |         V|
  3+25      13.4299      0.99  Q         |         |         |         V|
  3+30      13.4330      0.45  Q         |         |         |         V|
  3+35      13.4346      0.23  Q         |         |         |         V|
  3+40      13.4351      0.08  Q         |         |         |         V|
  3+45      13.4352      0.01  Q         |         |         |         V|
-------------------------------------------------------------------------
```

```
                U n i t   H y d r o g r a p h   A n a l y s i s

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                        Study date  02/22/24 File: MESAP4D1006100.out


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      ----------------------------------------------------------------------------

      Riverside County Synthetic Unit Hydrology Method
      RCFC & WCD Manual date - April 1978


      Program License Serial Number 6406

      ----------------------------------------------------------------------
       English (in-lb) Input Units Used
       English Rainfall Data (Inches) Input Values Used

       English Units used in output format



      ----------------------------------------------------------------------
      MESA VERDE ESTATES
      PROPOSED CONDITION
      AREA 4D
      2/09/24
      ----------------------------------------------------------------------
      Drainage Area =      87.40(Ac.)  =      0.137 Sq. Mi.
      Drainage Area for Depth-Area Areal Adjustment =      87.40(Ac.)  =
0.137 Sq. Mi.
      Length along longest watercourse =    5170.00(Ft.)
      Length along longest watercourse measured to centroid =    2395.00(Ft.)
      Length along longest watercourse =      0.979 Mi.
      Length along longest watercourse measured to centroid =      0.454 Mi.
      Difference in elevation =     101.00(Ft.)
      Slope along watercourse =    103.1489 Ft./Mi.
      Average Manning's 'N' = 0.015
      Lag time =    0.110 Hr.
      Lag time =     6.58 Min.
      25% of lag time =     1.64 Min.
      40% of lag time =     2.63 Min.
      Unit time =     5.00 Min.
      Duration of storm = 6 Hour(s)
      User Entered Base Flow =     0.00(CFS)

      2 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            87.40              1.35                 117.99

      100 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            87.40              2.78                 242.97

      STORM EVENT (YEAR) =  100.00
      Area Averaged 2-Year Rainfall =    1.350(In)

      Area Averaged 100-Year Rainfall =    2.780(In)

      Point rain (area averaged) =    2.780(In)
      Areal adjustment factor =   99.97 %
      Adjusted average point rain =    2.779(In)

      Sub-Area Data:
      Area(Ac.)         Runoff Index   Impervious %
           0.870           95.00          0.900
           0.000           77.00          0.750
           1.860           85.00          0.750
          51.570           90.00          0.750
          32.040           92.00          0.750
           0.140           87.00          0.380
           0.920           77.00          0.120
       Total Area Entered =     87.40(Ac.)


      RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
      AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      95.0  95.0      0.065     0.900        0.012       0.010      0.000
      77.0  77.0      0.279     0.750        0.091       0.000      0.000
      85.0  85.0      0.187     0.750        0.061       0.021      0.001
      90.0  90.0      0.130     0.750        0.042       0.590      0.025
      92.0  92.0      0.104     0.750        0.034       0.367      0.012
      87.0  87.0      0.164     0.380        0.108       0.002      0.000
      77.0  77.0      0.279     0.120        0.249       0.011      0.003
                                                        Sum (F) =   0.042
      Area averaged mean soil loss (F) (In/Hr) =  0.042
      Minimum soil loss rate ((In/Hr)) =  0.021
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.300
      ----------------------------------------------------------------------

                     U n i t  H y d r o g r a p h
                           FOOTHILL S-Curve
      ----------------------------------------------------------------------
                     Unit Hydrograph Data
      ----------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %           (CFS)
      ----------------------------------------------------------------------
          1   0.083         76.035          8.234              7.253
          2   0.167        152.070         45.757             40.304
          3   0.250        228.105         26.196             23.074
          4   0.333        304.140         10.194              8.979
          5   0.417        380.175          5.347              4.710
          6   0.500        456.210          2.349              2.069
          7   0.583        532.245          0.838              0.739
          8   0.667        608.280          0.550              0.484
          9   0.750        684.315          0.405              0.357
         10   0.833        760.350          0.130              0.115
                                   Sum = 100.000   Sum=      88.083
      ----------------------------------------------------------------------

       The following loss rate calculations reflect use of the minimum calculated loss
       rate subtracted from the Storm Rain to produce the maximum Effective Rain value

        Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
             (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
          1   0.08     0.50      0.167         0.042    (  0.050)        0.125
```

2	0.17	0.60	0.200	0.042	(0.060)	0.159
3	0.25	0.60	0.200	0.042	(0.060)	0.159
4	0.33	0.60	0.200	0.042	(0.060)	0.159
5	0.42	0.60	0.200	0.042	(0.060)	0.159
6	0.50	0.70	0.233	0.042	(0.070)	0.192
7	0.58	0.70	0.233	0.042	(0.070)	0.192
8	0.67	0.70	0.233	0.042	(0.070)	0.192
9	0.75	0.70	0.233	0.042	(0.070)	0.192
10	0.83	0.70	0.233	0.042	(0.070)	0.192
11	0.92	0.70	0.233	0.042	(0.070)	0.192
12	1.00	0.80	0.267	0.042	(0.080)	0.225
13	1.08	0.80	0.267	0.042	(0.080)	0.225
14	1.17	0.80	0.267	0.042	(0.080)	0.225
15	1.25	0.80	0.267	0.042	(0.080)	0.225
16	1.33	0.80	0.267	0.042	(0.080)	0.225
17	1.42	0.80	0.267	0.042	(0.080)	0.225
18	1.50	0.80	0.267	0.042	(0.080)	0.225
19	1.58	0.80	0.267	0.042	(0.080)	0.225
20	1.67	0.80	0.267	0.042	(0.080)	0.225
21	1.75	0.80	0.267	0.042	(0.080)	0.225
22	1.83	0.80	0.267	0.042	(0.080)	0.225
23	1.92	0.80	0.267	0.042	(0.080)	0.225
24	2.00	0.90	0.300	0.042	(0.090)	0.259
25	2.08	0.80	0.267	0.042	(0.080)	0.225
26	2.17	0.90	0.300	0.042	(0.090)	0.259
27	2.25	0.90	0.300	0.042	(0.090)	0.259
28	2.33	0.90	0.300	0.042	(0.090)	0.259
29	2.42	0.90	0.300	0.042	(0.090)	0.259
30	2.50	0.90	0.300	0.042	(0.090)	0.259
31	2.58	0.90	0.300	0.042	(0.090)	0.259
32	2.67	0.90	0.300	0.042	(0.090)	0.259
33	2.75	1.00	0.333	0.042	(0.100)	0.292
34	2.83	1.00	0.333	0.042	(0.100)	0.292
35	2.92	1.00	0.333	0.042	(0.100)	0.292
36	3.00	1.00	0.333	0.042	(0.100)	0.292
37	3.08	1.00	0.333	0.042	(0.100)	0.292
38	3.17	1.10	0.367	0.042	(0.110)	0.325
39	3.25	1.10	0.367	0.042	(0.110)	0.325
40	3.33	1.10	0.367	0.042	(0.110)	0.325
41	3.42	1.20	0.400	0.042	(0.120)	0.359
42	3.50	1.30	0.434	0.042	(0.130)	0.392
43	3.58	1.40	0.467	0.042	(0.140)	0.425
44	3.67	1.40	0.467	0.042	(0.140)	0.425
45	3.75	1.50	0.500	0.042	(0.150)	0.459
46	3.83	1.50	0.500	0.042	(0.150)	0.459
47	3.92	1.60	0.534	0.042	(0.160)	0.492
48	4.00	1.60	0.534	0.042	(0.160)	0.492
49	4.08	1.70	0.567	0.042	(0.170)	0.525
50	4.17	1.80	0.600	0.042	(0.180)	0.559
51	4.25	1.90	0.634	0.042	(0.190)	0.592
52	4.33	2.00	0.667	0.042	(0.200)	0.625
53	4.42	2.10	0.700	0.042	(0.210)	0.659
54	4.50	2.10	0.700	0.042	(0.210)	0.659
55	4.58	2.20	0.734	0.042	(0.220)	0.692
56	4.67	2.30	0.767	0.042	(0.230)	0.726
57	4.75	2.40	0.800	0.042	(0.240)	0.759
58	4.83	2.40	0.800	0.042	(0.240)	0.759
59	4.92	2.50	0.834	0.042	(0.250)	0.792
60	5.00	2.60	0.867	0.042	(0.260)	0.826
61	5.08	3.10	1.034	0.042	(0.310)	0.992
62	5.17	3.60	1.201	0.042	(0.360)	1.159
63	5.25	3.90	1.301	0.042	(0.390)	1.259
64	5.33	4.20	1.401	0.042	(0.420)	1.359
65	5.42	4.70	1.567	0.042	(0.470)	1.526
66	5.50	5.60	1.868	0.042	(0.560)	1.826
67	5.58	1.90	0.634	0.042	(0.190)	0.592
68	5.67	0.90	0.300	0.042	(0.090)	0.259
69	5.75	0.60	0.200	0.042	(0.060)	0.159
70	5.83	0.50	0.167	0.042	(0.050)	0.125
71	5.92	0.30	0.100	(0.042)	0.030	0.070
72	6.00	0.20	0.067	(0.042)	0.020	0.047

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.4

Flood volume = Effective rainfall 2.53(In)
times area 87.4(Ac.)/[(In)/(Ft.)] = 18.4(Ac.Ft)
Total soil loss = 0.25(In)
Total soil loss = 1.795(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 803535.9 Cubic Feet
Total soil loss = 78187.5 Cubic Feet

Peak flow rate of this hydrograph = 135.205(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0063	0.91	Q				
0+10	0.0490	6.20	VQ				
0+15	0.1208	10.44	V Q				
0+20	0.2057	12.33	V Q				
0+25	0.2968	13.22	V Q				
0+30	0.3924	13.88	V Q				
0+35	0.4983	15.38	|V Q				
0+40	0.6102	16.24	|V Q				
0+45	0.7245	16.60	|V Q				
0+50	0.8401	16.78	|V Q				
0+55	0.9562	16.86	| VQ				
1+ 0	1.0741	17.12	| VQ				
1+ 5	1.2014	18.48	| VQ				
1+10	1.3341	19.27	| VQ				
1+15	1.4689	19.57	| Q				
1+20	1.6048	19.73	| Q				
1+25	1.7411	19.80	| Q				
1+30	1.8776	19.82	| QV				
1+35	2.0142	19.84	| QV				
1+40	2.1509	19.85	| QV				
1+45	2.2876	19.85	| QV				
1+50	2.4244	19.85	| Q V				
1+55	2.5611	19.85	| Q V				
2+ 0	2.6995	20.09	| QV				
2+ 5	2.8455	21.20	| Q V				
2+10	2.9891	20.86	| Q V				
2+15	3.1389	21.74	| Q V				
2+20	3.2929	22.37	| Q V				
2+25	3.4484	22.58	| Q V				
2+30	3.6047	22.69	| Q V				
2+35	3.7614	22.75	| Q V				
2+40	3.9182	22.77	| Q V				

```
    2+45       4.0767     23.02  |   Q   V |         |         |         |
    2+50       4.2446     24.37  |   Q    V|         |         |         |
    2+55       4.4178     25.15  |    Q   V|         |         |         |
    3+ 0       4.5931     25.45  |    Q   V|         |         |         |
    3+ 5       4.7694     25.60  |    Q    V         |         |         |
    3+10       4.9479     25.92  |    Q    V         |         |         |
    3+15       5.1358     27.29  |    Q    |V        |         |         |
    3+20       5.3291     28.07  |    Q    |V        |         |         |
    3+25       5.5263     28.63  |    Q    |V        |         |         |
    3+30       5.7355     30.37  |     Q   | V       |         |         |
    3+35       5.9613     32.80  |     Q   | V       |         |         |
    3+40       6.2040     35.24  |      Q  |  V      |         |         |
    3+45       6.4569     36.72  |      Q  |   V     |         |         |
    3+50       6.7228     38.61  |      Q  |   V     |         |         |
    3+55       6.9974     39.87  |      Q  |    V    |         |         |
    4+ 0       7.2841     41.63  |       Q |    V    |         |         |
    4+ 5       7.5792     42.85  |       Q |     V   |         |         |
    4+10       7.8880     44.84  |       Q |      V  |         |         |
    4+15       8.2143     47.39  |        Q|      V  |         |         |
    4+20       8.5596     50.13  |         Q       V |         |         |
    4+25       8.9245     52.98  |         Q        V|         |         |
    4+30       9.3078     55.65  |         |Q        V         |         |
    4+35       9.7018     57.22  |         |Q        |V        |         |
    4+40      10.1108     59.38  |         |Q        |V        |         |
    4+45      10.5379     62.01  |         | Q       | V       |         |
    4+50      10.9824     64.55  |         | Q       |  V      |         |
    4+55      11.4375     66.08  |         |  Q      |   V     |         |
    5+ 0      11.9074     68.22  |         |  Q      |    V    |         |
    5+ 5      12.4019     71.81  |         |   Q     |     V   |         |
    5+10      12.9593     80.93  |         |     Q   |       V |         |
    5+15      13.5980     92.74  |         |       Q |        V|         |
    5+20      14.3081    103.11  |         |         Q         |V        |
    5+25      15.0867    113.05  |         |         | Q       | V       |
    5+30      15.9568    126.34  |         |         |   Q     |   V     |
    5+35      16.8880    135.21  |         |         |     Q   |     V   |
    5+40      17.5240     92.35  |         |       Q |         |      V  |
    5+45      17.8932     53.60  |         Q         |         |       V |
    5+50      18.1170     32.50  |     Q   |         |         |        V|
    5+55      18.2580     20.48  |   Q     |         |         |        V|
    6+ 0      18.3451     12.64  | Q       |         |         |        V|
    6+ 5      18.3997      7.93  |Q        |         |         |        V|
    6+10      18.4268      3.93  Q         |         |         |        V|
    6+15      18.4383      1.67  Q         |         |         |        V|
    6+20      18.4431      0.69  Q         |         |         |        V|
    6+25      18.4451      0.30  Q         |         |         |        V|
    6+30      18.4460      0.13  Q         |         |         |        V|
    6+35      18.4464      0.06  Q         |         |         |        V|
    6+40      18.4466      0.02  Q         |         |         |        V|
    6+45      18.4466      0.01  Q         |         |         |         V
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  02/22/24 File: MESAP4D10024100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4D
2/09/24
--------------------------------------------------------------------------
Drainage Area =      87.40(Ac.)  =      0.137 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      87.40(Ac.)  =
0.137 Sq. Mi.
Length along longest watercourse =    5170.00(Ft.)
Length along longest watercourse measured to centroid =    2395.00(Ft.)
Length along longest watercourse =      0.979 Mi.
Length along longest watercourse measured to centroid =      0.454 Mi.
Difference in elevation =     101.00(Ft.)
Slope along watercourse =    103.1489 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.110 Hr.
Lag time =     6.58 Min.
25% of lag time =     1.64 Min.
40% of lag time =     2.63 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       87.40              2.45                  214.13

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       87.40              6.08                  531.39

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.870           95.00          0.900
     0.000           77.00          0.750
     1.860           85.00          0.750
    51.570           90.00          0.750
    32.040           92.00          0.750
     0.140           87.00          0.380
     0.920           77.00          0.120
 Total Area Entered =     87.40(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
95.0  95.0      0.065     0.900        0.012       0.010      0.000
77.0  77.0      0.279     0.750        0.091       0.000      0.000
85.0  85.0      0.187     0.750        0.061       0.021      0.001
90.0  90.0      0.130     0.750        0.042       0.590      0.025
92.0  92.0      0.104     0.750        0.034       0.367      0.012
87.0  87.0      0.164     0.380        0.108       0.002      0.000
77.0  77.0      0.279     0.120        0.249       0.011      0.003
                                                 Sum (F) =   0.042
Area averaged mean soil loss (F) (In/Hr) =  0.042
Minimum soil loss rate ((In/Hr)) =  0.021
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.300
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083         76.035          8.234              7.253
    2   0.167        152.070         45.757             40.304
    3   0.250        228.105         26.196             23.074
    4   0.333        304.140         10.194              8.979
    5   0.417        380.175          5.347              4.710
    6   0.500        456.210          2.349              2.069
    7   0.583        532.245          0.838              0.739
    8   0.667        608.280          0.550              0.484
    9   0.750        684.315          0.405              0.357
   10   0.833        760.350          0.130              0.115
                                Sum = 100.000   Sum=      88.083
--------------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.074)       0.015        0.034
```

2	0.17	0.07	0.049	(0.073)	0.015	0.034
3	0.25	0.07	0.049	(0.073)	0.015	0.034
4	0.33	0.10	0.073	(0.073)	0.022	0.051
5	0.42	0.10	0.073	(0.072)	0.022	0.051
6	0.50	0.10	0.073	(0.072)	0.022	0.051
7	0.58	0.10	0.073	(0.072)	0.022	0.051
8	0.67	0.10	0.073	(0.072)	0.022	0.051
9	0.75	0.10	0.073	(0.071)	0.022	0.051
10	0.83	0.13	0.097	(0.071)	0.029	0.068
11	0.92	0.13	0.097	(0.071)	0.029	0.068
12	1.00	0.13	0.097	(0.071)	0.029	0.068
13	1.08	0.10	0.073	(0.070)	0.022	0.051
14	1.17	0.10	0.073	(0.070)	0.022	0.051
15	1.25	0.10	0.073	(0.070)	0.022	0.051
16	1.33	0.10	0.073	(0.069)	0.022	0.051
17	1.42	0.10	0.073	(0.069)	0.022	0.051
18	1.50	0.10	0.073	(0.069)	0.022	0.051
19	1.58	0.10	0.073	(0.069)	0.022	0.051
20	1.67	0.10	0.073	(0.068)	0.022	0.051
21	1.75	0.10	0.073	(0.068)	0.022	0.051
22	1.83	0.13	0.097	(0.068)	0.029	0.068
23	1.92	0.13	0.097	(0.067)	0.029	0.068
24	2.00	0.13	0.097	(0.067)	0.029	0.068
25	2.08	0.13	0.097	(0.067)	0.029	0.068
26	2.17	0.13	0.097	(0.067)	0.029	0.068
27	2.25	0.13	0.097	(0.066)	0.029	0.068
28	2.33	0.13	0.097	(0.066)	0.029	0.068
29	2.42	0.13	0.097	(0.066)	0.029	0.068
30	2.50	0.13	0.097	(0.066)	0.029	0.068
31	2.58	0.17	0.122	(0.065)	0.036	0.085
32	2.67	0.17	0.122	(0.065)	0.036	0.085
33	2.75	0.17	0.122	(0.065)	0.036	0.085
34	2.83	0.17	0.122	(0.065)	0.036	0.085
35	2.92	0.17	0.122	(0.064)	0.036	0.085
36	3.00	0.17	0.122	(0.064)	0.036	0.085
37	3.08	0.17	0.122	(0.064)	0.036	0.085
38	3.17	0.17	0.122	(0.063)	0.036	0.085
39	3.25	0.17	0.122	(0.063)	0.036	0.085
40	3.33	0.17	0.122	(0.063)	0.036	0.085
41	3.42	0.17	0.122	(0.063)	0.036	0.085
42	3.50	0.17	0.122	(0.062)	0.036	0.085
43	3.58	0.17	0.122	(0.062)	0.036	0.085
44	3.67	0.17	0.122	(0.062)	0.036	0.085
45	3.75	0.17	0.122	(0.062)	0.036	0.085
46	3.83	0.20	0.146	(0.061)	0.044	0.102
47	3.92	0.20	0.146	(0.061)	0.044	0.102
48	4.00	0.20	0.146	(0.061)	0.044	0.102
49	4.08	0.20	0.146	(0.061)	0.044	0.102
50	4.17	0.20	0.146	(0.060)	0.044	0.102
51	4.25	0.20	0.146	(0.060)	0.044	0.102
52	4.33	0.23	0.170	(0.060)	0.051	0.119
53	4.42	0.23	0.170	(0.060)	0.051	0.119
54	4.50	0.23	0.170	(0.059)	0.051	0.119
55	4.58	0.23	0.170	(0.059)	0.051	0.119
56	4.67	0.23	0.170	(0.059)	0.051	0.119
57	4.75	0.23	0.170	(0.059)	0.051	0.119
58	4.83	0.27	0.195	0.058	(0.058)	0.136
59	4.92	0.27	0.195	0.058	(0.058)	0.136
60	5.00	0.27	0.195	0.058	(0.058)	0.137
61	5.08	0.20	0.146	(0.058)	0.044	0.102
62	5.17	0.20	0.146	(0.057)	0.044	0.102
63	5.25	0.20	0.146	(0.057)	0.044	0.102
64	5.33	0.23	0.170	(0.057)	0.051	0.119
65	5.42	0.23	0.170	(0.057)	0.051	0.119
66	5.50	0.23	0.170	(0.056)	0.051	0.119
67	5.58	0.27	0.195	0.056	(0.058)	0.138
68	5.67	0.27	0.195	0.056	(0.058)	0.139
69	5.75	0.27	0.195	0.056	(0.058)	0.139
70	5.83	0.27	0.195	0.055	(0.058)	0.139
71	5.92	0.27	0.195	0.055	(0.058)	0.139
72	6.00	0.27	0.195	0.055	(0.058)	0.140
73	6.08	0.30	0.219	0.055	(0.066)	0.164
74	6.17	0.30	0.219	0.054	(0.066)	0.165
75	6.25	0.30	0.219	0.054	(0.066)	0.165
76	6.33	0.30	0.219	0.054	(0.066)	0.165
77	6.42	0.30	0.219	0.054	(0.066)	0.165
78	6.50	0.30	0.219	0.053	(0.066)	0.165
79	6.58	0.33	0.243	0.053	(0.073)	0.190
80	6.67	0.33	0.243	0.053	(0.073)	0.190
81	6.75	0.33	0.243	0.053	(0.073)	0.191
82	6.83	0.33	0.243	0.052	(0.073)	0.191
83	6.92	0.33	0.243	0.052	(0.073)	0.191
84	7.00	0.33	0.243	0.052	(0.073)	0.191
85	7.08	0.33	0.243	0.052	(0.073)	0.191
86	7.17	0.33	0.243	0.051	(0.073)	0.192
87	7.25	0.33	0.243	0.051	(0.073)	0.192
88	7.33	0.37	0.267	0.051	(0.080)	0.216
89	7.42	0.37	0.267	0.051	(0.080)	0.217
90	7.50	0.37	0.267	0.051	(0.080)	0.217
91	7.58	0.40	0.292	0.050	(0.088)	0.241
92	7.67	0.40	0.292	0.050	(0.088)	0.242
93	7.75	0.40	0.292	0.050	(0.088)	0.242
94	7.83	0.43	0.316	0.050	(0.095)	0.266
95	7.92	0.43	0.316	0.049	(0.095)	0.267
96	8.00	0.43	0.316	0.049	(0.095)	0.267
97	8.08	0.50	0.365	0.049	(0.109)	0.316
98	8.17	0.50	0.365	0.049	(0.109)	0.316
99	8.25	0.50	0.365	0.048	(0.109)	0.316
100	8.33	0.50	0.365	0.048	(0.109)	0.316
101	8.42	0.50	0.365	0.048	(0.109)	0.317
102	8.50	0.50	0.365	0.048	(0.109)	0.317
103	8.58	0.53	0.389	0.048	(0.117)	0.341
104	8.67	0.53	0.389	0.047	(0.117)	0.342
105	8.75	0.53	0.389	0.047	(0.117)	0.342
106	8.83	0.57	0.413	0.047	(0.124)	0.366
107	8.92	0.57	0.413	0.047	(0.124)	0.367
108	9.00	0.57	0.413	0.046	(0.124)	0.367
109	9.08	0.63	0.462	0.046	(0.139)	0.416
110	9.17	0.63	0.462	0.046	(0.139)	0.416
111	9.25	0.63	0.462	0.046	(0.139)	0.416
112	9.33	0.67	0.486	0.046	(0.146)	0.441
113	9.42	0.67	0.486	0.045	(0.146)	0.441
114	9.50	0.67	0.486	0.045	(0.146)	0.441
115	9.58	0.70	0.511	0.045	(0.153)	0.466
116	9.67	0.70	0.511	0.045	(0.153)	0.466
117	9.75	0.70	0.511	0.044	(0.153)	0.466
118	9.83	0.73	0.535	0.044	(0.160)	0.491
119	9.92	0.73	0.535	0.044	(0.160)	0.491
120	10.00	0.73	0.535	0.044	(0.160)	0.491
121	10.08	0.50	0.365	0.044	(0.109)	0.321
122	10.17	0.50	0.365	0.043	(0.109)	0.321
123	10.25	0.50	0.365	0.043	(0.109)	0.322
124	10.33	0.50	0.365	0.043	(0.109)	0.322
125	10.42	0.50	0.365	0.043	(0.109)	0.322

126	10.50	0.50	0.365	0.043	(0.109)	0.322
127	10.58	0.67	0.486	0.042	(0.146)	0.444
128	10.67	0.67	0.486	0.042	(0.146)	0.444
129	10.75	0.67	0.486	0.042	(0.146)	0.444
130	10.83	0.67	0.486	0.042	(0.146)	0.445
131	10.92	0.67	0.486	0.042	(0.146)	0.445
132	11.00	0.67	0.486	0.041	(0.146)	0.445
133	11.08	0.63	0.462	0.041	(0.139)	0.421
134	11.17	0.63	0.462	0.041	(0.139)	0.421
135	11.25	0.63	0.462	0.041	(0.139)	0.421
136	11.33	0.63	0.462	0.041	(0.139)	0.421
137	11.42	0.63	0.462	0.040	(0.139)	0.422
138	11.50	0.63	0.462	0.040	(0.139)	0.422
139	11.58	0.57	0.413	0.040	(0.124)	0.373
140	11.67	0.57	0.413	0.040	(0.124)	0.374
141	11.75	0.57	0.413	0.040	(0.124)	0.374
142	11.83	0.60	0.438	0.039	(0.131)	0.398
143	11.92	0.60	0.438	0.039	(0.131)	0.399
144	12.00	0.60	0.438	0.039	(0.131)	0.399
145	12.08	0.83	0.608	0.039	(0.182)	0.569
146	12.17	0.83	0.608	0.039	(0.182)	0.569
147	12.25	0.83	0.608	0.038	(0.182)	0.570
148	12.33	0.87	0.632	0.038	(0.190)	0.594
149	12.42	0.87	0.632	0.038	(0.190)	0.594
150	12.50	0.87	0.632	0.038	(0.190)	0.594
151	12.58	0.93	0.681	0.038	(0.204)	0.643
152	12.67	0.93	0.681	0.037	(0.204)	0.643
153	12.75	0.93	0.681	0.037	(0.204)	0.644
154	12.83	0.97	0.705	0.037	(0.212)	0.668
155	12.92	0.97	0.705	0.037	(0.212)	0.668
156	13.00	0.97	0.705	0.037	(0.212)	0.668
157	13.08	1.13	0.827	0.036	(0.248)	0.790
158	13.17	1.13	0.827	0.036	(0.248)	0.790
159	13.25	1.13	0.827	0.036	(0.248)	0.791
160	13.33	1.13	0.827	0.036	(0.248)	0.791
161	13.42	1.13	0.827	0.036	(0.248)	0.791
162	13.50	1.13	0.827	0.036	(0.248)	0.791
163	13.58	0.77	0.559	0.035	(0.168)	0.524
164	13.67	0.77	0.559	0.035	(0.168)	0.524
165	13.75	0.77	0.559	0.035	(0.168)	0.524
166	13.83	0.77	0.559	0.035	(0.168)	0.524
167	13.92	0.77	0.559	0.035	(0.168)	0.525
168	14.00	0.77	0.559	0.034	(0.168)	0.525
169	14.08	0.90	0.657	0.034	(0.197)	0.622
170	14.17	0.90	0.657	0.034	(0.197)	0.622
171	14.25	0.90	0.657	0.034	(0.197)	0.623
172	14.33	0.87	0.632	0.034	(0.190)	0.598
173	14.42	0.87	0.632	0.034	(0.190)	0.599
174	14.50	0.87	0.632	0.033	(0.190)	0.599
175	14.58	0.87	0.632	0.033	(0.190)	0.599
176	14.67	0.87	0.632	0.033	(0.190)	0.599
177	14.75	0.87	0.632	0.033	(0.190)	0.599
178	14.83	0.83	0.608	0.033	(0.182)	0.575
179	14.92	0.83	0.608	0.033	(0.182)	0.575
180	15.00	0.83	0.608	0.032	(0.182)	0.575
181	15.08	0.80	0.584	0.032	(0.175)	0.551
182	15.17	0.80	0.584	0.032	(0.175)	0.551
183	15.25	0.80	0.584	0.032	(0.175)	0.552
184	15.33	0.77	0.559	0.032	(0.168)	0.527
185	15.42	0.77	0.559	0.032	(0.168)	0.528
186	15.50	0.77	0.559	0.031	(0.168)	0.528
187	15.58	0.63	0.462	0.031	(0.139)	0.431
188	15.67	0.63	0.462	0.031	(0.139)	0.431
189	15.75	0.63	0.462	0.031	(0.139)	0.431
190	15.83	0.63	0.462	0.031	(0.139)	0.431
191	15.92	0.63	0.462	0.031	(0.139)	0.431
192	16.00	0.63	0.462	0.030	(0.139)	0.432
193	16.08	0.13	0.097	(0.030)	0.029	0.068
194	16.17	0.13	0.097	(0.030)	0.029	0.068
195	16.25	0.13	0.097	(0.030)	0.029	0.068
196	16.33	0.13	0.097	(0.030)	0.029	0.068
197	16.42	0.13	0.097	(0.030)	0.029	0.068
198	16.50	0.13	0.097	(0.030)	0.029	0.068
199	16.58	0.10	0.073	(0.029)	0.022	0.051
200	16.67	0.10	0.073	(0.029)	0.022	0.051
201	16.75	0.10	0.073	(0.029)	0.022	0.051
202	16.83	0.10	0.073	(0.029)	0.022	0.051
203	16.92	0.10	0.073	(0.029)	0.022	0.051
204	17.00	0.10	0.073	(0.029)	0.022	0.051
205	17.08	0.17	0.122	0.029	(0.036)	0.093
206	17.17	0.17	0.122	0.028	(0.036)	0.093
207	17.25	0.17	0.122	0.028	(0.036)	0.093
208	17.33	0.17	0.122	0.028	(0.036)	0.093
209	17.42	0.17	0.122	0.028	(0.036)	0.094
210	17.50	0.17	0.122	0.028	(0.036)	0.094
211	17.58	0.17	0.122	0.028	(0.036)	0.094
212	17.67	0.17	0.122	0.028	(0.036)	0.094
213	17.75	0.17	0.122	0.027	(0.036)	0.094
214	17.83	0.13	0.097	0.027	(0.029)	0.070
215	17.92	0.13	0.097	0.027	(0.029)	0.070
216	18.00	0.13	0.097	0.027	(0.029)	0.070
217	18.08	0.13	0.097	0.027	(0.029)	0.070
218	18.17	0.13	0.097	0.027	(0.029)	0.071
219	18.25	0.13	0.097	0.027	(0.029)	0.071
220	18.33	0.13	0.097	0.026	(0.029)	0.071
221	18.42	0.13	0.097	0.026	(0.029)	0.071
222	18.50	0.13	0.097	0.026	(0.029)	0.071
223	18.58	0.10	0.073	(0.026)	0.022	0.051
224	18.67	0.10	0.073	(0.026)	0.022	0.051
225	18.75	0.10	0.073	(0.026)	0.022	0.051
226	18.83	0.07	0.049	(0.026)	0.015	0.034
227	18.92	0.07	0.049	(0.026)	0.015	0.034
228	19.00	0.07	0.049	(0.025)	0.015	0.034
229	19.08	0.10	0.073	(0.025)	0.022	0.051
230	19.17	0.10	0.073	(0.025)	0.022	0.051
231	19.25	0.10	0.073	(0.025)	0.022	0.051
232	19.33	0.13	0.097	0.025	(0.029)	0.072
233	19.42	0.13	0.097	0.025	(0.029)	0.072
234	19.50	0.13	0.097	0.025	(0.029)	0.072
235	19.58	0.10	0.073	(0.025)	0.022	0.051
236	19.67	0.10	0.073	(0.025)	0.022	0.051
237	19.75	0.10	0.073	(0.024)	0.022	0.051
238	19.83	0.07	0.049	(0.024)	0.015	0.034
239	19.92	0.07	0.049	(0.024)	0.015	0.034
240	20.00	0.07	0.049	(0.024)	0.015	0.034
241	20.08	0.10	0.073	(0.024)	0.022	0.051
242	20.17	0.10	0.073	(0.024)	0.022	0.051
243	20.25	0.10	0.073	(0.024)	0.022	0.051
244	20.33	0.10	0.073	(0.024)	0.022	0.051
245	20.42	0.10	0.073	(0.024)	0.022	0.051
246	20.50	0.10	0.073	(0.023)	0.022	0.051
247	20.58	0.10	0.073	(0.023)	0.022	0.051
248	20.67	0.10	0.073	(0.023)	0.022	0.051
249	20.75	0.10	0.073	(0.023)	0.022	0.051

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250  20.83     0.07      0.049       (  0.023)       0.015        0.034
251  20.92     0.07      0.049       (  0.023)       0.015        0.034
252  21.00     0.07      0.049       (  0.023)       0.015        0.034
253  21.08     0.10      0.073       (  0.023)       0.022        0.051
254  21.17     0.10      0.073       (  0.023)       0.022        0.051
255  21.25     0.10      0.073       (  0.023)       0.022        0.051
256  21.33     0.07      0.049       (  0.023)       0.015        0.034
257  21.42     0.07      0.049       (  0.022)       0.015        0.034
258  21.50     0.07      0.049       (  0.022)       0.015        0.034
259  21.58     0.10      0.073       (  0.022)       0.022        0.051
260  21.67     0.10      0.073       (  0.022)       0.022        0.051
261  21.75     0.10      0.073       (  0.022)       0.022        0.051
262  21.83     0.07      0.049       (  0.022)       0.015        0.034
263  21.92     0.07      0.049       (  0.022)       0.015        0.034
264  22.00     0.07      0.049       (  0.022)       0.015        0.034
265  22.08     0.10      0.073          0.022    (  0.022)       0.051
266  22.17     0.10      0.073          0.022    (  0.022)       0.051
267  22.25     0.10      0.073          0.022    (  0.022)       0.051
268  22.33     0.07      0.049       (  0.022)       0.015        0.034
269  22.42     0.07      0.049       (  0.022)       0.015        0.034
270  22.50     0.07      0.049       (  0.022)       0.015        0.034
271  22.58     0.07      0.049       (  0.021)       0.015        0.034
272  22.67     0.07      0.049       (  0.021)       0.015        0.034
273  22.75     0.07      0.049       (  0.021)       0.015        0.034
274  22.83     0.07      0.049       (  0.021)       0.015        0.034
275  22.92     0.07      0.049       (  0.021)       0.015        0.034
276  23.00     0.07      0.049       (  0.021)       0.015        0.034
277  23.08     0.07      0.049       (  0.021)       0.015        0.034
278  23.17     0.07      0.049       (  0.021)       0.015        0.034
279  23.25     0.07      0.049       (  0.021)       0.015        0.034
280  23.33     0.07      0.049       (  0.021)       0.015        0.034
281  23.42     0.07      0.049       (  0.021)       0.015        0.034
282  23.50     0.07      0.049       (  0.021)       0.015        0.034
283  23.58     0.07      0.049       (  0.021)       0.015        0.034
284  23.67     0.07      0.049       (  0.021)       0.015        0.034
285  23.75     0.07      0.049       (  0.021)       0.015        0.034
286  23.83     0.07      0.049       (  0.021)       0.015        0.034
287  23.92     0.07      0.049       (  0.021)       0.015        0.034
288  24.00     0.07      0.049       (  0.021)       0.015        0.034
              (Loss Rate Not Used)
    Sum =     100.0                                 Sum =    63.3
       Flood volume = Effective rainfall      5.28(In)
        times area      87.4(Ac.)/[(In)/(Ft.)] =      38.4(Ac.Ft)
       Total soil loss =      0.80(In)
       Total soil loss =     5.840(Ac.Ft)
       Total rainfall =      6.08(In)
       Flood volume =     1674234.9 Cubic Feet
       Total soil loss =      254388.8 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =     69.487(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       17.5      35.0      52.5      70.0
 ---------------------------------------------------------------------------
   0+ 5       0.0017      0.25  Q        |         |         |         |
   0+10       0.0129      1.62  Q        |         |         |         |
   0+15       0.0294      2.41  VQ       |         |         |         |
   0+20       0.0489      2.84  VQ       |         |         |         |
   0+25       0.0743      3.68  V Q      |         |         |         |
   0+30       0.1029      4.15  V Q      |         |         |         |
   0+35       0.1326      4.32  V Q      |         |         |         |
   0+40       0.1631      4.42  V Q      |         |         |         |
   0+45       0.1938      4.47  V Q      |         |         |         |
   0+50       0.2256      4.61  V Q      |         |         |         |
   0+55       0.2621      5.30  V  Q     |         |         |         |
   1+ 0       0.3013      5.70  V  Q     |         |         |         |
   1+ 5       0.3408      5.73  V  Q     |         |         |         |
   1+10       0.3761      5.13  V Q      |         |         |         |
   1+15       0.4090      4.77  V Q      |         |         |         |
   1+20       0.4408      4.63  V Q      |         |         |         |
   1+25       0.4722      4.56  V Q      |         |         |         |
   1+30       0.5034      4.53  V Q      |         |         |         |
   1+35       0.5345      4.52  V Q      |         |         |         |
   1+40       0.5656      4.51  V Q      |         |         |         |
   1+45       0.5966      4.50  V Q      |         |         |         |
   1+50       0.6284      4.62  V Q      |         |         |         |
   1+55       0.6650      5.31  V  Q     |         |         |         |
   2+ 0       0.7042      5.70  V  Q     |         |         |         |
   2+ 5       0.7446      5.86  V  Q     |         |         |         |
   2+10       0.7855      5.94  V  Q     |         |         |         |
   2+15       0.8266      5.97  V  Q     |         |         |         |
   2+20       0.8678      5.98  V  Q     |         |         |         |
   2+25       0.9091      5.99  V  Q     |         |         |         |
   2+30       0.9504      6.00  V  Q     |         |         |         |
   2+35       0.9925      6.12  |V Q      |         |         |         |
   2+40       1.0395      6.81  |V Q      |         |         |         |
   2+45       1.0891      7.20  |V  Q     |         |         |         |
   2+50       1.1397      7.36  |V  Q     |         |         |         |
   2+55       1.1909      7.44  |V  Q     |         |         |         |
   3+ 0       1.2424      7.47  |V  Q     |         |         |         |
   3+ 5       1.2939      7.48  |V  Q     |         |         |         |
   3+10       1.3455      7.49  |V  Q     |         |         |         |
   3+15       1.3972      7.50  |V  Q     |         |         |         |
   3+20       1.4488      7.50  |V  Q     |         |         |         |
   3+25       1.5005      7.50  |V  Q     |         |         |         |
   3+30       1.5521      7.50  |V  Q     |         |         |         |
   3+35       1.6038      7.50  |V  Q     |         |         |         |
   3+40       1.6554      7.50  |V  Q     |         |         |         |
   3+45       1.7071      7.50  |V  Q     |         |         |         |
   3+50       1.7596      7.62  |V  Q     |         |         |         |
   3+55       1.8168      8.31  |V  Q     |         |         |         |
   4+ 0       1.8768      8.70  |V  Q     |         |         |         |
   4+ 5       1.9378      8.86  | V  Q     |         |         |         |
   4+10       1.9993      8.94  | V  Q     |         |         |         |
   4+15       2.0611      8.97  | V  Q     |         |         |         |
   4+20       2.1238      9.11  | V  Q     |         |         |         |
   4+25       2.1913      9.80  | V  Q     |         |         |         |
   4+30       2.2616     10.20  | V  Q     |         |         |         |
   4+35       2.3329     10.36  | V  Q     |         |         |         |
   4+40       2.4048     10.44  | V  Q     |         |         |         |
   4+45       2.4769     10.47  | V  Q     |         |         |         |
   4+50       2.5500     10.61  | V   Q    |         |         |         |
   4+55       2.6278     11.31  | V   Q    |         |         |         |
   5+ 0       2.7085     11.72  | V   Q    |         |         |         |
   5+ 5       2.7887     11.64  | V   Q    |         |         |         |
   5+10       2.8599     10.33  | V  Q     |         |         |         |
   5+15       2.9258      9.57  |  V Q     |         |         |         |
   5+20       2.9905      9.40  |  V Q     |         |         |         |
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| | | |

15+45	34.1381	39.70	|	|	Q |	V |	
15+50	34.4055	38.82	|	|	Q |	V |	
15+55	34.6697	38.37	|	|	Q |	V |	
16+ 0	34.9326	38.17	|	|	Q |	V |	
16+ 5	35.1769	35.47	|	|	Q |	V |	
16+10	35.3200	20.78	|	Q |	|	V |	
16+15	35.4051	12.35	|	Q |	|	V |	
16+20	35.4676	9.08	|	Q |	|	V |	
16+25	35.5184	7.37	|	Q |	|	V |	
16+30	35.5639	6.62	|	Q |	|	V |	
16+35	35.6068	6.22	|	Q |	|	V |	
16+40	35.6437	5.36	|	Q |	|	V |	
16+45	35.6770	4.84	| Q |	|	|	V |	
16+50	35.7090	4.64	| Q |	|	|	V |	
16+55	35.7405	4.56	| Q |	|	|	V |	
17+ 0	35.7716	4.53	| Q |	|	|	V |	
17+ 5	35.8049	4.82	| Q |	|	|	V |	
17+10	35.8497	6.51	|	Q |	|	|	V |	
17+15	35.9011	7.48	|	Q |	|	|	V |	
17+20	35.9553	7.86	|	Q |	|	|	V |	
17+25	36.0109	8.07	|	Q |	|	|	V |	
17+30	36.0671	8.17	|	Q |	|	|	V |	
17+35	36.1237	8.21	|	Q |	|	|	V |	
17+40	36.1805	8.24	|	Q |	|	|	V |	
17+45	36.2374	8.27	|	Q |	|	|	V |	
17+50	36.2933	8.11	|	Q |	|	|	V |	
17+55	36.3425	7.14	|	Q |	|	|	V |	
18+ 0	36.3879	6.59	|	Q |	|	|	V |	
18+ 5	36.4319	6.39	|	Q |	|	|	V |	
18+10	36.4752	6.29	|	Q |	|	|	V |	
18+15	36.5182	6.25	|	Q |	|	|	V |	
18+20	36.5612	6.24	|	Q |	|	|	V |	
18+25	36.6042	6.24	|	Q |	|	|	V |	
18+30	36.6472	6.24	|	Q |	|	|	V |	
18+35	36.6892	6.11	|	Q |	|	|	V |	
18+40	36.7258	5.31	|	Q |	|	|	V |	
18+45	36.7592	4.85	| Q |	|	|	|	V |	
18+50	36.7905	4.54	| Q |	|	|	|	V |	
18+55	36.8164	3.76	| Q |	|	|	|	V |	
19+ 0	36.8393	3.33	|Q |	|	|	|	V |	
19+ 5	36.8620	3.29	|Q |	|	|	|	V |	
19+10	36.8887	3.88	| Q |	|	|	|	V |	
19+15	36.9179	4.23	| Q |	|	|	|	V |	
19+20	36.9490	4.53	| Q |	|	|	|	V |	
19+25	36.9866	5.45	|	Q |	|	|	V |	
19+30	37.0278	5.98	|	Q |	|	|	V |	
19+35	37.0693	6.03	|	Q |	|	|	V |	
19+40	37.1056	5.28	|	Q |	|	|	V |	
19+45	37.1389	4.83	| Q |	|	|	|	V |	
19+50	37.1702	4.54	| Q |	|	|	|	V |	
19+55	37.1961	3.76	| Q |	|	|	|	V |	
20+ 0	37.2190	3.33	|Q |	|	|	|	V |	
20+ 5	37.2417	3.29	|Q |	|	|	|	V |	
20+10	37.2684	3.88	| Q |	|	|	|	V |	
20+15	37.2976	4.23	| Q |	|	|	|	V |	
20+20	37.3277	4.37	| Q |	|	|	|	V |	
20+25	37.3583	4.44	| Q |	|	|	|	V |	
20+30	37.3891	4.47	| Q |	|	|	|	V |	
20+35	37.4200	4.48	| Q |	|	|	|	V |	
20+40	37.4509	4.49	| Q |	|	|	|	V |	
20+45	37.4819	4.50	| Q |	|	|	|	V|	
20+50	37.5120	4.38	| Q |	|	|	|	V|	
20+55	37.5375	3.69	| Q |	|	|	|	V|	
21+ 0	37.5602	3.30	|Q |	|	|	|	V|	
21+ 5	37.5827	3.27	|Q |	|	|	|	V|	
21+10	37.6093	3.87	| Q |	|	|	|	V|	
21+15	37.6385	4.23	| Q |	|	|	|	V|	
21+20	37.6678	4.25	| Q |	|	|	|	V|	
21+25	37.6928	3.63	| Q |	|	|	|	V|	
21+30	37.7153	3.27	|Q |	|	|	|	V|	
21+35	37.7377	3.25	|Q |	|	|	|	V|	
21+40	37.7643	3.87	| Q |	|	|	|	V|	
21+45	37.7935	4.23	| Q |	|	|	|	V|	
21+50	37.8227	4.25	| Q |	|	|	|	V|	
21+55	37.8477	3.63	| Q |	|	|	|	V|	
22+ 0	37.8703	3.27	|Q |	|	|	|	V|	
22+ 5	37.8927	3.25	|Q |	|	|	|	V|	
22+10	37.9193	3.87	| Q |	|	|	|	V|	
22+15	37.9485	4.24	| Q |	|	|	|	V|	
22+20	37.9778	4.26	| Q |	|	|	|	V|	
22+25	38.0029	3.64	| Q |	|	|	|	V|	
22+30	38.0254	3.27	|Q |	|	|	|	V|	
22+35	38.0469	3.13	|Q |	|	|	|	V|	
22+40	38.0680	3.06	|Q |	|	|	|	V|	
22+45	38.0888	3.03	|Q |	|	|	|	V|	
22+50	38.1096	3.02	|Q |	|	|	|	V|	
22+55	38.1303	3.01	|Q |	|	|	|	V|	
23+ 0	38.1510	3.00	|Q |	|	|	|	V|	
23+ 5	38.1717	3.00	|Q |	|	|	|	V|	
23+10	38.1923	3.00	|Q |	|	|	|	V|	
23+15	38.2130	3.00	|Q |	|	|	|	V|	
23+20	38.2337	3.00	|Q |	|	|	|	V|	
23+25	38.2543	3.00	|Q |	|	|	|	V|	
23+30	38.2750	3.00	|Q |	|	|	|	V|	
23+35	38.2956	3.00	|Q |	|	|	|	V|	
23+40	38.3163	3.00	|Q |	|	|	|	V|	
23+45	38.3370	3.00	|Q |	|	|	|	V|	
23+50	38.3576	3.00	|Q |	|	|	|	V|	
23+55	38.3783	3.00	|Q |	|	|	|	V|	
24+ 0	38.3990	3.00	|Q |	|	|	|	V|	
24+ 5	38.4179	2.75	|Q |	|	|	|	V|	
24+10	38.4274	1.38	Q |	|	|	|	V|	
24+15	38.4315	0.59	Q |	|	|	|	V|	
24+20	38.4335	0.29	Q |	|	|	|	V|	
24+25	38.4344	0.13	Q |	|	|	|	V|	
24+30	38.4348	0.06	Q |	|	|	|	V|	
24+35	38.4350	0.03	Q |	|	|	|	V|	
24+40	38.4351	0.02	Q |	|	|	|	V|	
24+45	38.4351	0.00	Q |	|	|	|	V|	

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/22/24 File: MESAP4E1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4E
2/09/24
--------------------------------------------------------------------------
Drainage Area =     108.93(Ac.)  =      0.170 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     108.93(Ac.)  =
0.170 Sq. Mi.
Length along longest watercourse =    2688.00(Ft.)
Length along longest watercourse measured to centroid =    1090.00(Ft.)
Length along longest watercourse =      0.509 Mi.
Length along longest watercourse measured to centroid =      0.206 Mi.
Difference in elevation =      48.40(Ft.)
Slope along watercourse =     95.0714 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.064 Hr.
Lag time =     3.86 Min.
25% of lag time =     0.97 Min.
40% of lag time =     1.54 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      108.93              0.94                  102.39

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      108.93              1.97                  214.59

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.95 %
Adjusted average point rain =    1.969(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.410           89.00          0.900
     1.000           94.00          0.900
     0.740           77.00          0.750
    49.560           90.00          0.750
    54.480           92.00          0.750
     1.640           46.00          0.120
     1.100           65.00          0.120
 Total Area Entered =    108.93(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
89.0  89.0      0.141     0.900        0.027       0.004      0.000
94.0  94.0      0.078     0.900        0.015       0.009      0.000
77.0  77.0      0.279     0.750        0.091       0.007      0.001
90.0  90.0      0.130     0.750        0.042       0.455      0.019
92.0  92.0      0.104     0.750        0.034       0.500      0.017
46.0  46.0      0.611     0.120        0.545       0.015      0.008
65.0  65.0      0.416     0.120        0.371       0.010      0.004
                                                 Sum (F) =   0.049
Area averaged mean soil loss (F) (In/Hr) =  0.049
Minimum soil loss rate ((In/Hr)) =  0.024
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.310
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        129.462         24.483             26.878
    2   0.167        258.924         55.669             61.114
    3   0.250        388.386         14.339             15.742
    4   0.333        517.848          3.997              4.388
    5   0.417        647.310          1.045              1.148
    6   0.500        776.772          0.466              0.512
                              Sum = 100.000   Sum=     109.781
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     1.30      0.307          0.049    (  0.095)        0.258
  2   0.17     1.30      0.307          0.049    (  0.095)        0.258
  3   0.25     1.10      0.260          0.049    (  0.081)        0.211
  4   0.33     1.50      0.354          0.049    (  0.110)        0.305
  5   0.42     1.50      0.354          0.049    (  0.110)        0.305
```

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 6   0.50     1.80      0.425          0.049    (  0.132)        0.376
 7   0.58     1.50      0.354          0.049    (  0.110)        0.305
 8   0.67     1.80      0.425          0.049    (  0.132)        0.376
 9   0.75     1.80      0.425          0.049    (  0.132)        0.376
10   0.83     1.50      0.354          0.049    (  0.110)        0.305
11   0.92     1.60      0.378          0.049    (  0.117)        0.329
12   1.00     1.80      0.425          0.049    (  0.132)        0.376
13   1.08     2.20      0.520          0.049    (  0.161)        0.471
14   1.17     2.20      0.520          0.049    (  0.161)        0.471
15   1.25     2.20      0.520          0.049    (  0.161)        0.471
16   1.33     2.00      0.473          0.049    (  0.146)        0.424
17   1.42     2.60      0.614          0.049    (  0.190)        0.565
18   1.50     2.70      0.638          0.049    (  0.198)        0.589
19   1.58     2.40      0.567          0.049    (  0.176)        0.518
20   1.67     2.70      0.638          0.049    (  0.198)        0.589
21   1.75     3.30      0.780          0.049    (  0.242)        0.731
22   1.83     3.10      0.732          0.049    (  0.227)        0.684
23   1.92     2.90      0.685          0.049    (  0.212)        0.636
24   2.00     3.00      0.709          0.049    (  0.220)        0.660
25   2.08     3.10      0.732          0.049    (  0.227)        0.684
26   2.17     4.20      0.992          0.049    (  0.308)        0.943
27   2.25     5.00      1.181          0.049    (  0.366)        1.133
28   2.33     3.50      0.827          0.049    (  0.256)        0.778
29   2.42     6.80      1.607          0.049    (  0.498)        1.558
30   2.50     7.30      1.725          0.049    (  0.535)        1.676
31   2.58     8.20      1.938          0.049    (  0.601)        1.889
32   2.67     5.90      1.394          0.049    (  0.432)        1.345
33   2.75     2.00      0.473          0.049    (  0.146)        0.424
34   2.83     1.80      0.425          0.049    (  0.132)        0.376
35   2.92     1.80      0.425          0.049    (  0.132)        0.376
36   3.00     0.60      0.142       (  0.049)       0.044        0.098
               (Loss Rate Not Used)
   Sum =     100.0                                 Sum =    21.9
      Flood volume = Effective rainfall      1.82(In)
       times area     108.9(Ac.)/[(In)/(Ft.)] =      16.5(Ac.Ft)
      Total soil loss =      0.15(In)
      Total soil loss =     1.329(Ac.Ft)
      Total rainfall =      1.97(In)
      Flood volume =      720711.6 Cubic Feet
      Total soil loss =       57886.5 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =    186.363(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0478      6.94  VQ        |         |         |         |
  0+10       0.2044     22.73  V   Q     |         |         |         |
  0+15       0.3802     25.53  V    Q    |         |         |         |
  0+20       0.5615     26.32  |V   Q    |         |         |         |
  0+25       0.7794     31.65  |V    Q   |         |         |         |
  0+30       1.0203     34.97  | V   Q   |         |         |         |
  0+35       1.2803     37.76  |  V   Q  |         |         |         |
  0+40       1.5319     36.53  |  V   Q  |         |         |         |
  0+45       1.8081     40.11  |   V   Q |         |         |         |
  0+50       2.0773     39.09  |    V Q  |         |         |         |
  0+55       2.3228     35.65  |    V Q  |         |         |         |
  1+ 0       2.5797     37.30  |     VQ  |         |         |         |
  1+ 5       2.8747     42.83  |     V Q |         |         |         |
  1+10       3.2147     49.37  |      V Q|         |         |         |
  1+15       3.5663     51.06  |       V Q         |         |         |
  1+20       3.9126     50.27  |        VQ         |         |         |
  1+25       4.2660     51.33  |         Q         |         |         |
  1+30       4.6788     59.93  |         |Q        |         |         |
  1+35       5.1024     61.50  |         | Q       |         |         |
  1+40       5.5156     60.01  |         | QV      |         |         |
  1+45       5.9790     67.28  |         |  QV     |         |         |
  1+50       6.4996     75.59  |         |    Q    |         |         |
  1+55       7.0086     73.90  |         |   Q V   |         |         |
  2+ 0       7.5015     71.57  |         |   Q   V |         |         |
  2+ 5       8.0035     72.90  |         |   Q    V|         |         |
  2+10       8.5649     81.51  |         |     Q   V         |         |
  2+15       9.2735    102.89  |         |         Q V       |         |
  2+20      10.0250    109.12  |         |         |Q  V     |         |
  2+25      10.8002    112.57  |         |         | Q   V   |         |
  2+30      11.8952    158.98  |         |         |       V |Q        |
  2+35      13.1555    183.00  |         |         |         |V    Q   |
  2+40      14.4390    186.36  |         |         |         |   V  Q  |
  2+45      15.3545    132.93  |         |         |     Q   |      V  |
  2+50      15.8244     68.22  |         |  Q      |         |       V |
  2+55      16.1601     48.74  |        Q|         |         |         V|
  3+ 0      16.4076     35.94  |      Q  |         |         |         V|
  3+ 5      16.5091     14.74  | Q       |         |         |         V|
  3+10      16.5356      3.84  Q         |         |         |         V|
  3+15      16.5428      1.05  Q         |         |         |         V|
  3+20      16.5449      0.30  Q         |         |         |         V|
  3+25      16.5453      0.05  Q         |         |         |          V
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/22/24 File: MESAP4E1006100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4E
2/09/24
--------------------------------------------------------------------------
Drainage Area =     108.93(Ac.)  =      0.170 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     108.93(Ac.)  =
0.170 Sq. Mi.
Length along longest watercourse =    2688.00(Ft.)
Length along longest watercourse measured to centroid =    1090.00(Ft.)
Length along longest watercourse =      0.509 Mi.
Length along longest watercourse measured to centroid =      0.206 Mi.
Difference in elevation =      48.40(Ft.)
Slope along watercourse =     95.0714 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.064 Hr.
Lag time =     3.86 Min.
25% of lag time =     0.97 Min.
40% of lag time =     1.54 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      108.93              1.35                   147.06

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      108.93              2.78                   302.83

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.96 %
Adjusted average point rain =    2.779(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.410           89.00          0.900
     1.000           94.00          0.900
     0.740           77.00          0.750
    49.560           90.00          0.750
    54.480           92.00          0.750
     1.640           46.00          0.120
     1.100           65.00          0.120
 Total Area Entered =    108.93(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
89.0  89.0      0.141     0.900        0.027       0.004      0.000
94.0  94.0      0.078     0.900        0.015       0.009      0.000
77.0  77.0      0.279     0.750        0.091       0.007      0.001
90.0  90.0      0.130     0.750        0.042       0.455      0.019
92.0  92.0      0.104     0.750        0.034       0.500      0.017
46.0  46.0      0.611     0.120        0.545       0.015      0.008
65.0  65.0      0.416     0.120        0.371       0.010      0.004
                                                 Sum (F) =   0.049
Area averaged mean soil loss (F) (In/Hr) =  0.049
Minimum soil loss rate ((In/Hr)) =  0.024
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.310
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        129.462         24.483             26.878
    2   0.167        258.924         55.669             61.114
    3   0.250        388.386         14.339             15.742
    4   0.333        517.848          3.997              4.388
    5   0.417        647.310          1.045              1.148
    6   0.500        776.772          0.466              0.512
                              Sum = 100.000   Sum=     109.781
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.50      0.167          0.049    (  0.052)        0.118
  2   0.17     0.60      0.200          0.049    (  0.062)        0.151
  3   0.25     0.60      0.200          0.049    (  0.062)        0.151
  4   0.33     0.60      0.200          0.049    (  0.062)        0.151
  5   0.42     0.60      0.200          0.049    (  0.062)        0.151
```

6	0.50	0.70	0.233	0.049	(0.072)	0.184
7	0.58	0.70	0.233	0.049	(0.072)	0.184
8	0.67	0.70	0.233	0.049	(0.072)	0.184
9	0.75	0.70	0.233	0.049	(0.072)	0.184
10	0.83	0.70	0.233	0.049	(0.072)	0.184
11	0.92	0.70	0.233	0.049	(0.072)	0.184
12	1.00	0.80	0.267	0.049	(0.083)	0.218
13	1.08	0.80	0.267	0.049	(0.083)	0.218
14	1.17	0.80	0.267	0.049	(0.083)	0.218
15	1.25	0.80	0.267	0.049	(0.083)	0.218
16	1.33	0.80	0.267	0.049	(0.083)	0.218
17	1.42	0.80	0.267	0.049	(0.083)	0.218
18	1.50	0.80	0.267	0.049	(0.083)	0.218
19	1.58	0.80	0.267	0.049	(0.083)	0.218
20	1.67	0.80	0.267	0.049	(0.083)	0.218
21	1.75	0.80	0.267	0.049	(0.083)	0.218
22	1.83	0.80	0.267	0.049	(0.083)	0.218
23	1.92	0.80	0.267	0.049	(0.083)	0.218
24	2.00	0.90	0.300	0.049	(0.093)	0.251
25	2.08	0.80	0.267	0.049	(0.083)	0.218
26	2.17	0.90	0.300	0.049	(0.093)	0.251
27	2.25	0.90	0.300	0.049	(0.093)	0.251
28	2.33	0.90	0.300	0.049	(0.093)	0.251
29	2.42	0.90	0.300	0.049	(0.093)	0.251
30	2.50	0.90	0.300	0.049	(0.093)	0.251
31	2.58	0.90	0.300	0.049	(0.093)	0.251
32	2.67	0.90	0.300	0.049	(0.093)	0.251
33	2.75	1.00	0.333	0.049	(0.103)	0.285
34	2.83	1.00	0.333	0.049	(0.103)	0.285
35	2.92	1.00	0.333	0.049	(0.103)	0.285
36	3.00	1.00	0.333	0.049	(0.103)	0.285
37	3.08	1.00	0.333	0.049	(0.103)	0.285
38	3.17	1.10	0.367	0.049	(0.114)	0.318
39	3.25	1.10	0.367	0.049	(0.114)	0.318
40	3.33	1.10	0.367	0.049	(0.114)	0.318
41	3.42	1.20	0.400	0.049	(0.124)	0.351
42	3.50	1.30	0.434	0.049	(0.134)	0.385
43	3.58	1.40	0.467	0.049	(0.145)	0.418
44	3.67	1.40	0.467	0.049	(0.145)	0.418
45	3.75	1.50	0.500	0.049	(0.155)	0.451
46	3.83	1.50	0.500	0.049	(0.155)	0.451
47	3.92	1.60	0.534	0.049	(0.165)	0.485
48	4.00	1.60	0.534	0.049	(0.165)	0.485
49	4.08	1.70	0.567	0.049	(0.176)	0.518
50	4.17	1.80	0.600	0.049	(0.186)	0.551
51	4.25	1.90	0.634	0.049	(0.196)	0.585
52	4.33	2.00	0.667	0.049	(0.207)	0.618
53	4.42	2.10	0.700	0.049	(0.217)	0.651
54	4.50	2.10	0.700	0.049	(0.217)	0.651
55	4.58	2.20	0.734	0.049	(0.227)	0.685
56	4.67	2.30	0.767	0.049	(0.238)	0.718
57	4.75	2.40	0.800	0.049	(0.248)	0.751
58	4.83	2.40	0.800	0.049	(0.248)	0.751
59	4.92	2.50	0.834	0.049	(0.258)	0.785
60	5.00	2.60	0.867	0.049	(0.269)	0.818
61	5.08	3.10	1.034	0.049	(0.320)	0.985
62	5.17	3.60	1.201	0.049	(0.372)	1.152
63	5.25	3.90	1.301	0.049	(0.403)	1.252
64	5.33	4.20	1.401	0.049	(0.434)	1.352
65	5.42	4.70	1.567	0.049	(0.486)	1.518
66	5.50	5.60	1.867	0.049	(0.579)	1.819
67	5.58	1.90	0.634	0.049	(0.196)	0.585
68	5.67	0.90	0.300	0.049	(0.093)	0.251
69	5.75	0.60	0.200	0.049	(0.062)	0.151
70	5.83	0.50	0.167	0.049	(0.052)	0.118
71	5.92	0.30	0.100	(0.049)	0.031	0.069
72	6.00	0.20	0.067	(0.049)	0.021	0.046

(Loss Rate Not Used)

Sum = 100.0 Sum = 29.9

Flood volume = Effective rainfall 2.49(In)
times area 108.9(Ac.)/[(In)/(Ft.)] = 22.6(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 2.630(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 984264.7 Cubic Feet
Total soil loss = 114579.9 Cubic Feet

Peak flow rate of this hydrograph = 170.357(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0218	3.17	Q				
0+10	0.0994	11.27	V Q				
0+15	0.2038	15.16	V Q				
0+20	0.3154	16.20	V Q				
0+25	0.4290	16.49	V Q				
0+30	0.5494	17.48	V Q				
0+35	0.6839	19.54	V Q				
0+40	0.8221	20.06	V Q				
0+45	0.9613	20.21	V Q				
0+50	1.1007	20.25	V Q				
0+55	1.2403	20.26	V Q				
1+ 0	1.3860	21.16	V Q				
1+ 5	1.5458	23.20	V Q				
1+10	1.7092	23.73	VQ				
1+15	1.8736	23.87	VQ				
1+20	2.0383	23.91	VQ				
1+25	2.2031	23.93	VQ				
1+30	2.3679	23.93	Q				
1+35	2.5327	23.93	Q				
1+40	2.6975	23.93	Q				
1+45	2.8623	23.93	QV				
1+50	3.0270	23.93	QV				
1+55	3.1918	23.93	QV				
2+ 0	3.3628	24.82	QV				
2+ 5	3.5416	25.97	QV				
2+10	3.7162	25.35	QV				
2+15	3.9022	27.01	QV				
2+20	4.0911	27.43	Q V				
2+25	4.2809	27.55	Q V				
2+30	4.4708	27.57	Q V				
2+35	4.6608	27.59	Q V				
2+40	4.8508	27.59	Q V				
2+45	5.0470	28.49	Q V				
2+50	5.2572	30.53	Q V				
2+55	5.4711	31.05	Q V				
3+ 0	5.6859	31.20	Q V				

```
   3+ 5       5.9011     31.24  |     Q   V         |          |          |
   3+10       6.1225     32.15  |     Q   V         |          |          |
   3+15       6.3579     34.19  |     Q   |V        |          |          |
   3+20       6.5970     34.71  |     Q   |V        |          |          |
   3+25       6.8433     35.76  |      Q  | V       |          |          |
   3+30       7.1100     38.73  |      Q  | V       |          |          |
   3+35       7.4007     42.21  |       Q |  V      |          |          |
   3+40       7.7101     44.92  |       Q |  V      |          |          |
   3+45       8.0305     46.53  |        Q|   V     |          |          |
   3+50       8.3664     48.77  |        Q|   V     |          |          |
   3+55       8.7124     50.25  |         Q    V    |          |          |
   4+ 0       9.0736     52.45  |         Q     V   |          |          |
   4+ 5       9.4449     53.91  |         Q     V   |          |          |
   4+10       9.8375     57.01  |         |Q     V  |          |          |
   4+15      10.2542     60.51  |         | Q     V |          |          |
   4+20      10.6959     64.13  |         | Q     V |          |          |
   4+25      11.1627     67.78  |         |  Q     V|          |          |
   4+30      11.6485     70.54  |         |   Q     V          |          |
   4+35      12.1455     72.17  |         |   Q     |V         |          |
   4+40      12.6642     75.30  |         |    Q    | V        |          |
   4+45      13.2070     78.82  |         |    Q    |  V       |          |
   4+50      13.7686     81.55  |         |     Q   |   V      |          |
   4+55      14.3413     83.16  |         |     Q   |    V     |          |
   5+ 0      14.9356     86.29  |         |      Q  |     V    |          |
   5+ 5      15.5789     93.40  |         |       Q |      V   |          |
   5+10      16.3279    108.76  |         |         |Q      V  |          |
   5+15      17.1851    124.46  |         |         |   Q     V          |
   5+20      18.1264    136.68  |         |         |      Q  | V        |
   5+25      19.1581    149.80  |         |         |       Q|  V       |
   5+30      20.3313    170.36  |         |         |         |   QV     |
   5+35      21.4250    158.79  |         |         |         |Q     V   |
   5+40      21.9760     80.01  |         |     Q   |         |       V  |
   5+45      22.2449     39.05  |       Q |         |         |        V |
   5+50      22.3950     21.80  |    Q    |         |         |        V |
   5+55      22.4924     14.14  | Q       |         |         |        V |
   6+ 0      22.5514      8.57  |Q        |         |         |        V |
   6+ 5      22.5839      4.72  Q         |         |         |        V |
   6+10      22.5925      1.24  Q         |         |         |        V |
   6+15      22.5948      0.34  Q         |         |         |        V |
   6+20      22.5954      0.09  Q         |         |         |        V |
   6+25      22.5956      0.02  Q         |         |         |         V
------------------------------------------------------------------------
```

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  11/29/23 File: MESAP4E10024100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4E, 100-YR
11/29/23
--------------------------------------------------------------------------
Drainage Area =     107.75(Ac.)  =      0.168 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     107.75(Ac.)  =
0.168 Sq. Mi.
Length along longest watercourse =    2834.00(Ft.)
Length along longest watercourse measured to centroid =     949.00(Ft.)
Length along longest watercourse =      0.537 Mi.
Length along longest watercourse measured to centroid =      0.180 Mi.
Difference in elevation =      40.30(Ft.)
Slope along watercourse =     75.0826 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.065 Hr.
Lag time =     3.91 Min.
25% of lag time =     0.98 Min.
40% of lag time =     1.56 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      107.75              2.45                   263.99

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      107.75              6.08                   655.12

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     1.500           77.00          0.750
     0.600           85.00          0.750
    49.520           90.00          0.750
    53.390           92.00          0.750
     1.640           46.00          0.120
     1.100           65.00          0.120
 Total Area Entered =    107.75(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
77.0  77.0      0.279     0.750        0.091       0.014      0.001
85.0  85.0      0.187     0.750        0.061       0.006      0.000
90.0  90.0      0.130     0.750        0.042       0.460      0.019
92.0  92.0      0.104     0.750        0.034       0.495      0.017
46.0  46.0      0.611     0.120        0.545       0.015      0.008
65.0  65.0      0.416     0.120        0.371       0.010      0.004
                                                 Sum (F) =   0.050
Area averaged mean soil loss (F) (In/Hr) =  0.050
Minimum soil loss rate ((In/Hr)) =  0.025
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.310
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
-------------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------------
    1   0.083        127.878         23.980            26.041
    2   0.167        255.757         55.749            60.538
    3   0.250        383.635         14.532            15.780
    4   0.333        511.514          4.162             4.519
    5   0.417        639.392          1.068             1.160
    6   0.500        767.271          0.509             0.553
                              Sum = 100.000   Sum=     108.592
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.088)      0.015        0.034
  2   0.17     0.07      0.049       (  0.088)      0.015        0.034
  3   0.25     0.07      0.049       (  0.088)      0.015        0.034
  4   0.33     0.10      0.073       (  0.087)      0.023        0.050
  5   0.42     0.10      0.073       (  0.087)      0.023        0.050
  6   0.50     0.10      0.073       (  0.087)      0.023        0.050
  7   0.58     0.10      0.073       (  0.086)      0.023        0.050
```

8	0.67	0.10	0.073	(0.086)	0.023	0.050
9	0.75	0.10	0.073	(0.086)	0.023	0.050
10	0.83	0.13	0.097	(0.085)	0.030	0.067
11	0.92	0.13	0.097	(0.085)	0.030	0.067
12	1.00	0.13	0.097	(0.085)	0.030	0.067
13	1.08	0.10	0.073	(0.084)	0.023	0.050
14	1.17	0.10	0.073	(0.084)	0.023	0.050
15	1.25	0.10	0.073	(0.084)	0.023	0.050
16	1.33	0.10	0.073	(0.083)	0.023	0.050
17	1.42	0.10	0.073	(0.083)	0.023	0.050
18	1.50	0.10	0.073	(0.083)	0.023	0.050
19	1.58	0.10	0.073	(0.082)	0.023	0.050
20	1.67	0.10	0.073	(0.082)	0.023	0.050
21	1.75	0.10	0.073	(0.082)	0.023	0.050
22	1.83	0.13	0.097	(0.081)	0.030	0.067
23	1.92	0.13	0.097	(0.081)	0.030	0.067
24	2.00	0.13	0.097	(0.081)	0.030	0.067
25	2.08	0.13	0.097	(0.080)	0.030	0.067
26	2.17	0.13	0.097	(0.080)	0.030	0.067
27	2.25	0.13	0.097	(0.080)	0.030	0.067
28	2.33	0.13	0.097	(0.079)	0.030	0.067
29	2.42	0.13	0.097	(0.079)	0.030	0.067
30	2.50	0.13	0.097	(0.079)	0.030	0.067
31	2.58	0.17	0.122	(0.078)	0.038	0.084
32	2.67	0.17	0.122	(0.078)	0.038	0.084
33	2.75	0.17	0.122	(0.078)	0.038	0.084
34	2.83	0.17	0.122	(0.077)	0.038	0.084
35	2.92	0.17	0.122	(0.077)	0.038	0.084
36	3.00	0.17	0.122	(0.077)	0.038	0.084
37	3.08	0.17	0.122	(0.076)	0.038	0.084
38	3.17	0.17	0.122	(0.076)	0.038	0.084
39	3.25	0.17	0.122	(0.076)	0.038	0.084
40	3.33	0.17	0.122	(0.076)	0.038	0.084
41	3.42	0.17	0.122	(0.075)	0.038	0.084
42	3.50	0.17	0.122	(0.075)	0.038	0.084
43	3.58	0.17	0.122	(0.075)	0.038	0.084
44	3.67	0.17	0.122	(0.074)	0.038	0.084
45	3.75	0.17	0.122	(0.074)	0.038	0.084
46	3.83	0.20	0.146	(0.074)	0.045	0.101
47	3.92	0.20	0.146	(0.073)	0.045	0.101
48	4.00	0.20	0.146	(0.073)	0.045	0.101
49	4.08	0.20	0.146	(0.073)	0.045	0.101
50	4.17	0.20	0.146	(0.072)	0.045	0.101
51	4.25	0.20	0.146	(0.072)	0.045	0.101
52	4.33	0.23	0.170	(0.072)	0.053	0.117
53	4.42	0.23	0.170	(0.071)	0.053	0.117
54	4.50	0.23	0.170	(0.071)	0.053	0.117
55	4.58	0.23	0.170	(0.071)	0.053	0.117
56	4.67	0.23	0.170	(0.071)	0.053	0.117
57	4.75	0.23	0.170	(0.070)	0.053	0.117
58	4.83	0.27	0.195	(0.070)	0.060	0.134
59	4.92	0.27	0.195	(0.070)	0.060	0.134
60	5.00	0.27	0.195	(0.069)	0.060	0.134
61	5.08	0.20	0.146	(0.069)	0.045	0.101
62	5.17	0.20	0.146	(0.069)	0.045	0.101
63	5.25	0.20	0.146	(0.068)	0.045	0.101
64	5.33	0.23	0.170	(0.068)	0.053	0.117
65	5.42	0.23	0.170	(0.068)	0.053	0.117
66	5.50	0.23	0.170	(0.068)	0.053	0.117
67	5.58	0.27	0.195	(0.067)	0.060	0.134
68	5.67	0.27	0.195	(0.067)	0.060	0.134
69	5.75	0.27	0.195	(0.067)	0.060	0.134
70	5.83	0.27	0.195	(0.066)	0.060	0.134
71	5.92	0.27	0.195	(0.066)	0.060	0.134
72	6.00	0.27	0.195	(0.066)	0.060	0.134
73	6.08	0.30	0.219	0.066	(0.068)	0.153
74	6.17	0.30	0.219	0.065	(0.068)	0.154
75	6.25	0.30	0.219	0.065	(0.068)	0.154
76	6.33	0.30	0.219	0.065	(0.068)	0.154
77	6.42	0.30	0.219	0.064	(0.068)	0.154
78	6.50	0.30	0.219	0.064	(0.068)	0.155
79	6.58	0.33	0.243	0.064	(0.075)	0.179
80	6.67	0.33	0.243	0.063	(0.075)	0.180
81	6.75	0.33	0.243	0.063	(0.075)	0.180
82	6.83	0.33	0.243	0.063	(0.075)	0.180
83	6.92	0.33	0.243	0.063	(0.075)	0.181
84	7.00	0.33	0.243	0.062	(0.075)	0.181
85	7.08	0.33	0.243	0.062	(0.075)	0.181
86	7.17	0.33	0.243	0.062	(0.075)	0.181
87	7.25	0.33	0.243	0.062	(0.075)	0.182
88	7.33	0.37	0.267	0.061	(0.083)	0.206
89	7.42	0.37	0.267	0.061	(0.083)	0.207
90	7.50	0.37	0.267	0.061	(0.083)	0.207
91	7.58	0.40	0.292	0.060	(0.090)	0.231
92	7.67	0.40	0.292	0.060	(0.090)	0.232
93	7.75	0.40	0.292	0.060	(0.090)	0.232
94	7.83	0.43	0.316	0.060	(0.098)	0.257
95	7.92	0.43	0.316	0.059	(0.098)	0.257
96	8.00	0.43	0.316	0.059	(0.098)	0.257
97	8.08	0.50	0.365	0.059	(0.113)	0.306
98	8.17	0.50	0.365	0.058	(0.113)	0.306
99	8.25	0.50	0.365	0.058	(0.113)	0.307
100	8.33	0.50	0.365	0.058	(0.113)	0.307
101	8.42	0.50	0.365	0.058	(0.113)	0.307
102	8.50	0.50	0.365	0.057	(0.113)	0.307
103	8.58	0.53	0.389	0.057	(0.121)	0.332
104	8.67	0.53	0.389	0.057	(0.121)	0.332
105	8.75	0.53	0.389	0.057	(0.121)	0.332
106	8.83	0.57	0.413	0.056	(0.128)	0.357
107	8.92	0.57	0.413	0.056	(0.128)	0.357
108	9.00	0.57	0.413	0.056	(0.128)	0.358
109	9.08	0.63	0.462	0.056	(0.143)	0.406
110	9.17	0.63	0.462	0.055	(0.143)	0.407
111	9.25	0.63	0.462	0.055	(0.143)	0.407
112	9.33	0.67	0.486	0.055	(0.151)	0.432
113	9.42	0.67	0.486	0.054	(0.151)	0.432
114	9.50	0.67	0.486	0.054	(0.151)	0.432
115	9.58	0.70	0.511	0.054	(0.158)	0.457
116	9.67	0.70	0.511	0.054	(0.158)	0.457
117	9.75	0.70	0.511	0.053	(0.158)	0.457
118	9.83	0.73	0.535	0.053	(0.166)	0.482
119	9.92	0.73	0.535	0.053	(0.166)	0.482
120	10.00	0.73	0.535	0.053	(0.166)	0.482
121	10.08	0.50	0.365	0.052	(0.113)	0.312
122	10.17	0.50	0.365	0.052	(0.113)	0.313
123	10.25	0.50	0.365	0.052	(0.113)	0.313
124	10.33	0.50	0.365	0.052	(0.113)	0.313
125	10.42	0.50	0.365	0.051	(0.113)	0.313
126	10.50	0.50	0.365	0.051	(0.113)	0.314
127	10.58	0.67	0.486	0.051	(0.151)	0.435
128	10.67	0.67	0.486	0.051	(0.151)	0.436
129	10.75	0.67	0.486	0.050	(0.151)	0.436
130	10.83	0.67	0.486	0.050	(0.151)	0.436
131	10.92	0.67	0.486	0.050	(0.151)	0.436

132	11.00	0.67	0.486	0.050	(0.151)	0.437
133	11.08	0.63	0.462	0.049	(0.143)	0.413
134	11.17	0.63	0.462	0.049	(0.143)	0.413
135	11.25	0.63	0.462	0.049	(0.143)	0.413
136	11.33	0.63	0.462	0.049	(0.143)	0.413
137	11.42	0.63	0.462	0.048	(0.143)	0.414
138	11.50	0.63	0.462	0.048	(0.143)	0.414
139	11.58	0.57	0.413	0.048	(0.128)	0.365
140	11.67	0.57	0.413	0.048	(0.128)	0.366
141	11.75	0.57	0.413	0.047	(0.128)	0.366
142	11.83	0.60	0.438	0.047	(0.136)	0.390
143	11.92	0.60	0.438	0.047	(0.136)	0.391
144	12.00	0.60	0.438	0.047	(0.136)	0.391
145	12.08	0.83	0.608	0.047	(0.188)	0.561
146	12.17	0.83	0.608	0.046	(0.188)	0.562
147	12.25	0.83	0.608	0.046	(0.188)	0.562
148	12.33	0.87	0.632	0.046	(0.196)	0.586
149	12.42	0.87	0.632	0.046	(0.196)	0.587
150	12.50	0.87	0.632	0.045	(0.196)	0.587
151	12.58	0.93	0.681	0.045	(0.211)	0.636
152	12.67	0.93	0.681	0.045	(0.211)	0.636
153	12.75	0.93	0.681	0.045	(0.211)	0.636
154	12.83	0.97	0.705	0.044	(0.219)	0.661
155	12.92	0.97	0.705	0.044	(0.219)	0.661
156	13.00	0.97	0.705	0.044	(0.219)	0.661
157	13.08	1.13	0.827	0.044	(0.256)	0.783
158	13.17	1.13	0.827	0.044	(0.256)	0.783
159	13.25	1.13	0.827	0.043	(0.256)	0.783
160	13.33	1.13	0.827	0.043	(0.256)	0.784
161	13.42	1.13	0.827	0.043	(0.256)	0.784
162	13.50	1.13	0.827	0.043	(0.256)	0.784
163	13.58	0.77	0.559	0.042	(0.173)	0.517
164	13.67	0.77	0.559	0.042	(0.173)	0.517
165	13.75	0.77	0.559	0.042	(0.173)	0.517
166	13.83	0.77	0.559	0.042	(0.173)	0.517
167	13.92	0.77	0.559	0.042	(0.173)	0.518
168	14.00	0.77	0.559	0.041	(0.173)	0.518
169	14.08	0.90	0.657	0.041	(0.204)	0.615
170	14.17	0.90	0.657	0.041	(0.204)	0.616
171	14.25	0.90	0.657	0.041	(0.204)	0.616
172	14.33	0.87	0.632	0.041	(0.196)	0.592
173	14.42	0.87	0.632	0.040	(0.196)	0.592
174	14.50	0.87	0.632	0.040	(0.196)	0.592
175	14.58	0.87	0.632	0.040	(0.196)	0.592
176	14.67	0.87	0.632	0.040	(0.196)	0.592
177	14.75	0.87	0.632	0.040	(0.196)	0.593
178	14.83	0.83	0.608	0.039	(0.188)	0.569
179	14.92	0.83	0.608	0.039	(0.188)	0.569
180	15.00	0.83	0.608	0.039	(0.188)	0.569
181	15.08	0.80	0.584	0.039	(0.181)	0.545
182	15.17	0.80	0.584	0.039	(0.181)	0.545
183	15.25	0.80	0.584	0.038	(0.181)	0.545
184	15.33	0.77	0.559	0.038	(0.173)	0.521
185	15.42	0.77	0.559	0.038	(0.173)	0.521
186	15.50	0.77	0.559	0.038	(0.173)	0.521
187	15.58	0.63	0.462	0.038	(0.143)	0.424
188	15.67	0.63	0.462	0.037	(0.143)	0.425
189	15.75	0.63	0.462	0.037	(0.143)	0.425
190	15.83	0.63	0.462	0.037	(0.143)	0.425
191	15.92	0.63	0.462	0.037	(0.143)	0.425
192	16.00	0.63	0.462	0.037	(0.143)	0.425
193	16.08	0.13	0.097	(0.036)	0.030	0.067
194	16.17	0.13	0.097	(0.036)	0.030	0.067
195	16.25	0.13	0.097	(0.036)	0.030	0.067
196	16.33	0.13	0.097	(0.036)	0.030	0.067
197	16.42	0.13	0.097	(0.036)	0.030	0.067
198	16.50	0.13	0.097	(0.036)	0.030	0.067
199	16.58	0.10	0.073	(0.035)	0.023	0.050
200	16.67	0.10	0.073	(0.035)	0.023	0.050
201	16.75	0.10	0.073	(0.035)	0.023	0.050
202	16.83	0.10	0.073	(0.035)	0.023	0.050
203	16.92	0.10	0.073	(0.035)	0.023	0.050
204	17.00	0.10	0.073	(0.034)	0.023	0.050
205	17.08	0.17	0.122	0.034	(0.038)	0.087
206	17.17	0.17	0.122	0.034	(0.038)	0.087
207	17.25	0.17	0.122	0.034	(0.038)	0.088
208	17.33	0.17	0.122	0.034	(0.038)	0.088
209	17.42	0.17	0.122	0.034	(0.038)	0.088
210	17.50	0.17	0.122	0.033	(0.038)	0.088
211	17.58	0.17	0.122	0.033	(0.038)	0.088
212	17.67	0.17	0.122	0.033	(0.038)	0.088
213	17.75	0.17	0.122	0.033	(0.038)	0.089
214	17.83	0.13	0.097	(0.033)	0.030	0.067
215	17.92	0.13	0.097	(0.033)	0.030	0.067
216	18.00	0.13	0.097	(0.032)	0.030	0.067
217	18.08	0.13	0.097	(0.032)	0.030	0.067
218	18.17	0.13	0.097	(0.032)	0.030	0.067
219	18.25	0.13	0.097	(0.032)	0.030	0.067
220	18.33	0.13	0.097	(0.032)	0.030	0.067
221	18.42	0.13	0.097	(0.032)	0.030	0.067
222	18.50	0.13	0.097	(0.031)	0.030	0.067
223	18.58	0.10	0.073	(0.031)	0.023	0.050
224	18.67	0.10	0.073	(0.031)	0.023	0.050
225	18.75	0.10	0.073	(0.031)	0.023	0.050
226	18.83	0.07	0.049	(0.031)	0.015	0.034
227	18.92	0.07	0.049	(0.031)	0.015	0.034
228	19.00	0.07	0.049	(0.031)	0.015	0.034
229	19.08	0.10	0.073	(0.030)	0.023	0.050
230	19.17	0.10	0.073	(0.030)	0.023	0.050
231	19.25	0.10	0.073	(0.030)	0.023	0.050
232	19.33	0.13	0.097	0.030	(0.030)	0.067
233	19.42	0.13	0.097	0.030	(0.030)	0.067
234	19.50	0.13	0.097	0.030	(0.030)	0.068
235	19.58	0.10	0.073	(0.030)	0.023	0.050
236	19.67	0.10	0.073	(0.029)	0.023	0.050
237	19.75	0.10	0.073	(0.029)	0.023	0.050
238	19.83	0.07	0.049	(0.029)	0.015	0.034
239	19.92	0.07	0.049	(0.029)	0.015	0.034
240	20.00	0.07	0.049	(0.029)	0.015	0.034
241	20.08	0.10	0.073	(0.029)	0.023	0.050
242	20.17	0.10	0.073	(0.029)	0.023	0.050
243	20.25	0.10	0.073	(0.029)	0.023	0.050
244	20.33	0.10	0.073	(0.028)	0.023	0.050
245	20.42	0.10	0.073	(0.028)	0.023	0.050
246	20.50	0.10	0.073	(0.028)	0.023	0.050
247	20.58	0.10	0.073	(0.028)	0.023	0.050
248	20.67	0.10	0.073	(0.028)	0.023	0.050
249	20.75	0.10	0.073	(0.028)	0.023	0.050
250	20.83	0.07	0.049	(0.028)	0.015	0.034
251	20.92	0.07	0.049	(0.028)	0.015	0.034
252	21.00	0.07	0.049	(0.028)	0.015	0.034
253	21.08	0.10	0.073	(0.027)	0.023	0.050
254	21.17	0.10	0.073	(0.027)	0.023	0.050
255	21.25	0.10	0.073	(0.027)	0.023	0.050

256	21.33	0.07	0.049	(0.027)	0.015	0.034
257	21.42	0.07	0.049	(0.027)	0.015	0.034
258	21.50	0.07	0.049	(0.027)	0.015	0.034
259	21.58	0.10	0.073	(0.027)	0.023	0.050
260	21.67	0.10	0.073	(0.027)	0.023	0.050
261	21.75	0.10	0.073	(0.027)	0.023	0.050
262	21.83	0.07	0.049	(0.027)	0.015	0.034
263	21.92	0.07	0.049	(0.026)	0.015	0.034
264	22.00	0.07	0.049	(0.026)	0.015	0.034
265	22.08	0.10	0.073	(0.026)	0.023	0.050
266	22.17	0.10	0.073	(0.026)	0.023	0.050
267	22.25	0.10	0.073	(0.026)	0.023	0.050
268	22.33	0.07	0.049	(0.026)	0.015	0.034
269	22.42	0.07	0.049	(0.026)	0.015	0.034
270	22.50	0.07	0.049	(0.026)	0.015	0.034
271	22.58	0.07	0.049	(0.026)	0.015	0.034
272	22.67	0.07	0.049	(0.026)	0.015	0.034
273	22.75	0.07	0.049	(0.026)	0.015	0.034
274	22.83	0.07	0.049	(0.026)	0.015	0.034
275	22.92	0.07	0.049	(0.025)	0.015	0.034
276	23.00	0.07	0.049	(0.025)	0.015	0.034
277	23.08	0.07	0.049	(0.025)	0.015	0.034
278	23.17	0.07	0.049	(0.025)	0.015	0.034
279	23.25	0.07	0.049	(0.025)	0.015	0.034
280	23.33	0.07	0.049	(0.025)	0.015	0.034
281	23.42	0.07	0.049	(0.025)	0.015	0.034
282	23.50	0.07	0.049	(0.025)	0.015	0.034
283	23.58	0.07	0.049	(0.025)	0.015	0.034
284	23.67	0.07	0.049	(0.025)	0.015	0.034
285	23.75	0.07	0.049	(0.025)	0.015	0.034
286	23.83	0.07	0.049	(0.025)	0.015	0.034
287	23.92	0.07	0.049	(0.025)	0.015	0.034
288	24.00	0.07	0.049	(0.025)	0.015	0.034

(Loss Rate Not Used)

Sum = 100.0 Sum = 62.1

Flood volume = Effective rainfall 5.17(In)
times area 107.8(Ac.)/[(In)/(Ft.)] = 46.4(Ac.Ft)
Total soil loss = 0.91(In)
Total soil loss = 8.137(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 2023137.5 Cubic Feet
Total soil loss = 354447.7 Cubic Feet

Peak flow rate of this hydrograph = 85.156(CFS)

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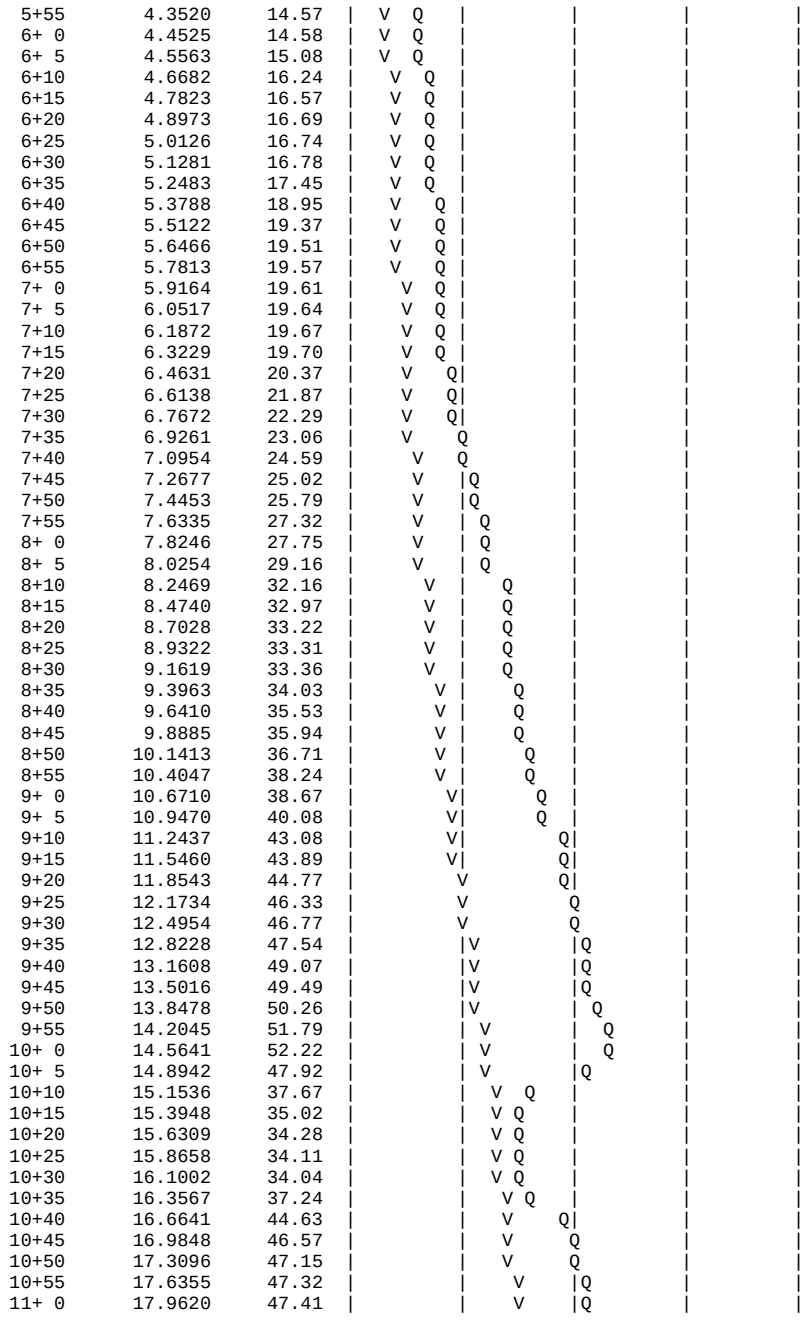
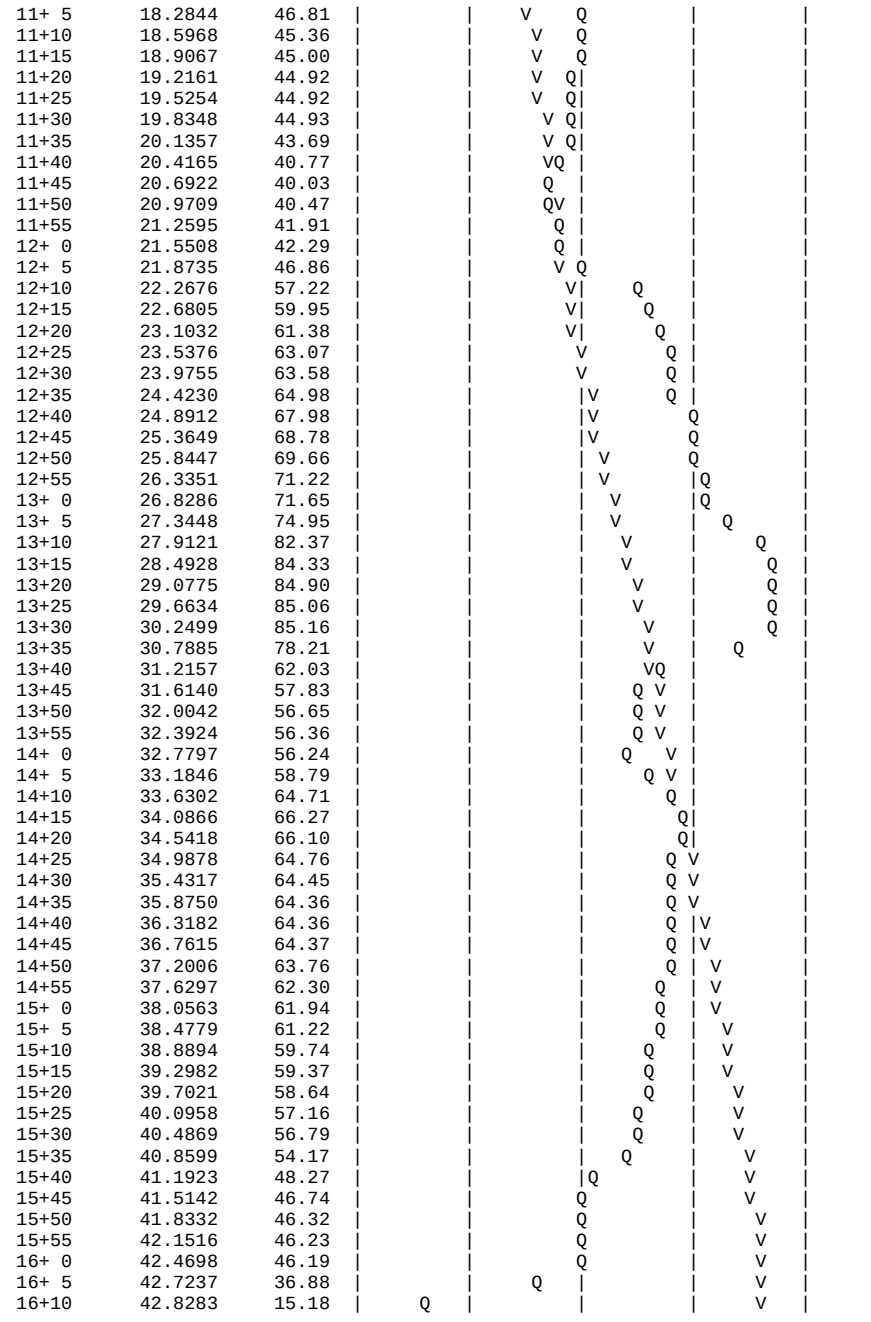
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	22.5	45.0	67.5	90.0
0+ 5	0.0060	0.87	Q				
0+10	0.0260	2.91	VQ				
0+15	0.0497	3.44	VQ				
0+20	0.0774	4.03	VQ				
0+25	0.1124	5.08	V Q				
0+30	0.1494	5.36	V Q				
0+35	0.1868	5.44	V Q				
0+40	0.2244	5.46	V Q				
0+45	0.2621	5.47	V Q				
0+50	0.3028	5.91	V Q				
0+55	0.3504	6.92	V Q				
1+ 0	0.3999	7.19	V Q				
1+ 5	0.4469	6.83	V Q				
1+10	0.4871	5.83	V Q				
1+15	0.5254	5.57	V Q				
1+20	0.5633	5.50	V Q				
1+25	0.6010	5.48	V Q				
1+30	0.6387	5.47	V Q				
1+35	0.6764	5.47	V Q				
1+40	0.7140	5.47	V Q				
1+45	0.7517	5.47	V Q				
1+50	0.7924	5.91	V Q				
1+55	0.8400	6.92	V Q				
2+ 0	0.8895	7.19	V Q				
2+ 5	0.9395	7.26	V Q				
2+10	0.9897	7.28	V Q				
2+15	1.0399	7.29	V Q				
2+20	1.0901	7.29	V Q				
2+25	1.1403	7.29	V Q				
2+30	1.1905	7.29	|V Q				
2+35	1.2438	7.73	|V Q				
2+40	1.3040	8.74	|V Q				
2+45	1.3660	9.01	|V Q				
2+50	1.4286	9.09	|V Q				
2+55	1.4913	9.10	|V Q				
3+ 0	1.5541	9.11	|V Q				
3+ 5	1.6169	9.11	|V Q				
3+10	1.6796	9.11	|V Q				
3+15	1.7424	9.11	|V Q				
3+20	1.8052	9.11	|V Q				
3+25	1.8679	9.11	|V Q				
3+30	1.9307	9.11	|V Q				
3+35	1.9935	9.11	|V Q				
3+40	2.0562	9.11	|V Q				
3+45	2.1190	9.11	|V Q				
3+50	2.1848	9.55	|V Q				
3+55	2.2576	10.57	|V Q				
4+ 0	2.3322	10.83	| V Q				
4+ 5	2.4073	10.91	| V Q				
4+10	2.4826	10.93	| V Q				
4+15	2.5579	10.94	| V Q				
4+20	2.6362	11.37	| V Q				
4+25	2.7215	12.39	| V Q				
4+30	2.8087	12.66	| V Q				
4+35	2.8964	12.73	| V Q				
4+40	2.9842	12.75	| V Q				
4+45	3.0721	12.76	| V Q				
4+50	3.1630	13.20	| V Q				
4+55	3.2608	14.21	| V Q				
5+ 0	3.3606	14.48	| V Q				
5+ 5	3.4548	13.68	| V Q				
5+10	3.5351	11.67	| V Q				
5+15	3.6119	11.15	| VQ				
5+20	3.6906	11.43	| V Q				
5+25	3.7761	12.41	| V Q				
5+30	3.8632	12.66	| V Q				
5+35	3.9539	13.17	| V Q				
5+40	4.0517	14.20	| V Q				
5+45	4.1514	14.48	| V Q				
5+50	4.2517	14.55	| V Q				





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16+15      42.8939      9.52  |   Q     |         |         |     V   |
16+20      42.9483      7.91  |  Q      |         |         |     V   |
16+25      42.9999      7.49  |  Q      |         |         |      V  |
16+30      43.0501      7.29  |  Q      |         |         |      V  |
16+35      43.0973      6.85  |  Q      |         |         |      V  |
16+40      43.1375      5.84  | Q       |         |         |      V  |
16+45      43.1759      5.57  | Q       |         |         |      V  |
16+50      43.2138      5.50  | Q       |         |         |      V  |
16+55      43.2515      5.48  | Q       |         |         |      V  |
17+ 0      43.2891      5.47  | Q       |         |         |      V  |
17+ 5      43.3334      6.43  | Q       |         |         |      V  |
17+10      43.3932      8.68  |  Q      |         |         |      V  |
17+15      43.4571      9.28  |   Q     |         |         |      V  |
17+20      43.5222      9.46  |   Q     |         |         |      V  |
17+25      43.5878      9.52  |   Q     |         |         |      V  |
17+30      43.6536      9.56  |   Q     |         |         |      V  |
17+35      43.7196      9.58  |   Q     |         |         |      V  |
17+40      43.7857      9.60  |   Q     |         |         |      V  |
17+45      43.8519      9.61  |   Q     |         |         |      V  |
17+50      43.9143      9.07  |   Q     |         |         |      V  |
17+55      43.9678      7.76  |  Q      |         |         |      V  |
18+ 0      44.0190      7.43  |  Q      |         |         |      V  |
18+ 5      44.0694      7.33  |  Q      |         |         |      V  |
18+10      44.1197      7.30  |  Q      |         |         |      V  |
18+15      44.1699      7.29  |  Q      |         |         |       V |
18+20      44.2202      7.29  |  Q      |         |         |       V |
18+25      44.2704      7.29  |  Q      |         |         |       V |
18+30      44.3206      7.29  |  Q      |         |         |       V |
18+35      44.3678      6.85  |  Q      |         |         |       V |
18+40      44.4080      5.84  | Q       |         |         |       V |
18+45      44.4464      5.57  | Q       |         |         |       V |
18+50      44.4812      5.06  | Q       |         |         |       V |
18+55      44.5089      4.02  |Q        |         |         |       V |
19+ 0      44.5348      3.75  |Q        |         |         |       V |
19+ 5      44.5631      4.11  |Q        |         |         |       V |
19+10      44.5983      5.11  | Q       |         |         |       V |
19+15      44.6352      5.36  | Q       |         |         |       V |
19+20      44.6757      5.88  | Q       |         |         |       V |
19+25      44.7234      6.93  |  Q      |         |         |       V |
19+30      44.7731      7.22  |  Q      |         |         |       V |
19+35      44.8203      6.85  |  Q      |         |         |       V |
19+40      44.8605      5.84  | Q       |         |         |       V |
19+45      44.8989      5.58  | Q       |         |         |       V |
19+50      44.9338      5.06  | Q       |         |         |       V |
19+55      44.9615      4.02  |Q        |         |         |       V |
20+ 0      44.9873      3.75  |Q        |         |         |       V |
20+ 5      45.0156      4.11  |Q        |         |         |       V |
20+10      45.0508      5.11  | Q       |         |         |       V |
20+15      45.0877      5.36  | Q       |         |         |       V |
20+20      45.1252      5.44  | Q       |         |         |       V |
20+25      45.1628      5.46  | Q       |         |         |       V |
20+30      45.2005      5.47  | Q       |         |         |       V |
20+35      45.2381      5.47  | Q       |         |         |       V |
20+40      45.2758      5.47  | Q       |         |         |       V |
20+45      45.3135      5.47  | Q       |         |         |        V|
20+50      45.3481      5.03  | Q       |         |         |        V|
20+55      45.3758      4.02  |Q        |         |         |        V|
21+ 0      45.4016      3.75  |Q        |         |         |        V|
21+ 5      45.4299      4.11  |Q        |         |         |        V|
21+10      45.4651      5.11  | Q       |         |         |        V|
21+15      45.5020      5.36  | Q       |         |         |        V|
21+20      45.5365      5.00  | Q       |         |         |        V|
21+25      45.5641      4.01  |Q        |         |         |        V|
21+30      45.5899      3.75  |Q        |         |         |        V|
21+35      45.6182      4.11  |Q        |         |         |        V|
21+40      45.6534      5.11  | Q       |         |         |        V|
21+45      45.6903      5.36  | Q       |         |         |        V|
21+50      45.7248      5.00  | Q       |         |         |        V|
21+55      45.7524      4.01  |Q        |         |         |        V|
22+ 0      45.7782      3.75  |Q        |         |         |        V|
22+ 5      45.8065      4.11  |Q        |         |         |        V|
22+10      45.8417      5.11  | Q       |         |         |        V|
22+15      45.8786      5.36  | Q       |         |         |        V|
22+20      45.9131      5.00  | Q       |         |         |        V|
22+25      45.9407      4.01  |Q        |         |         |        V|
22+30      45.9665      3.75  |Q        |         |         |        V|
22+35      45.9918      3.67  |Q        |         |         |        V|
22+40      46.0170      3.65  |Q        |         |         |        V|
22+45      46.0421      3.65  |Q        |         |         |        V|
22+50      46.0672      3.65  |Q        |         |         |        V|
22+55      46.0923      3.65  |Q        |         |         |        V|
23+ 0      46.1174      3.65  |Q        |         |         |        V|
23+ 5      46.1425      3.65  |Q        |         |         |        V|
23+10      46.1676      3.65  |Q        |         |         |        V|
23+15      46.1927      3.65  |Q        |         |         |        V|
23+20      46.2178      3.65  |Q        |         |         |        V|
23+25      46.2430      3.65  |Q        |         |         |        V|
23+30      46.2681      3.65  |Q        |         |         |        V|
23+35      46.2932      3.65  |Q        |         |         |        V|
23+40      46.3183      3.65  |Q        |         |         |        V|
23+45      46.3434      3.65  |Q        |         |         |        V|
23+50      46.3685      3.65  |Q        |         |         |        V|
23+55      46.3936      3.65  |Q        |         |         |        V|
24+ 0      46.4187      3.65  |Q        |         |         |        V|
24+ 5      46.4378      2.77  |Q        |         |         |        V|
24+10      46.4429      0.74  Q        |         |         |        V|
24+15      46.4443      0.21  Q        |         |         |        V|
24+20      46.4447      0.06  Q        |         |         |        V|
24+25      46.4448      0.02  Q        |         |         |         V
-------------------------------------------------------------------------
```

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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/22/24 File: MESAP4F1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4F
2/09/24
--------------------------------------------------------------------------
Drainage Area =      45.41(Ac.)  =      0.071 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      45.41(Ac.)  =
0.071 Sq. Mi.
Length along longest watercourse =    3440.00(Ft.)
Length along longest watercourse measured to centroid =    1142.00(Ft.)
Length along longest watercourse =      0.652 Mi.
Length along longest watercourse measured to centroid =      0.216 Mi.
Difference in elevation =     109.00(Ft.)
Slope along watercourse =    167.3023 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.151 Hr.
Lag time =     9.05 Min.
25% of lag time =     2.26 Min.
40% of lag time =     3.62 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       45.41             0.94                   42.69

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       45.41             1.97                   89.46

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    16.880           65.00          0.120
     3.790           77.00          0.120
    24.740           82.00          0.120
 Total Area Entered =     45.41(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
65.0  65.0      0.416     0.120        0.371       0.372      0.138
77.0  77.0      0.279     0.120        0.249       0.083      0.021
82.0  82.0      0.221     0.120        0.197       0.545      0.107
                                                 Sum (F) =   0.266
Area averaged mean soil loss (F) (In/Hr) =  0.266
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.800
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083         55.259          4.945              2.263
    2   0.167        110.518         26.407             12.085
    3   0.250        165.776         36.328             16.625
    4   0.333        221.035         13.306              6.090
    5   0.417        276.294          7.699              3.524
    6   0.500        331.553          4.878              2.232
    7   0.583        386.811          2.964              1.356
    8   0.667        442.070          1.521              0.696
    9   0.750        497.329          0.648              0.296
   10   0.833        552.588          0.454              0.208
   11   0.917        607.847          0.390              0.178
   12   1.000        663.105          0.299              0.137
   13   1.083        718.364          0.161              0.074
                                 Sum = 100.000   Sum=      45.765
--------------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     1.30      0.307       (  0.266)      0.246        0.061
  2   0.17     1.30      0.307       (  0.266)      0.246        0.061
  3   0.25     1.10      0.260       (  0.266)      0.208        0.052
  4   0.33     1.50      0.355          0.266    (  0.284)        0.088
  5   0.42     1.50      0.355          0.266    (  0.284)        0.088
  6   0.50     1.80      0.425          0.266    (  0.340)        0.159
```

7	0.58	1.50	0.355	0.266	(0.284)	0.088
8	0.67	1.80	0.425	0.266	(0.340)	0.159
9	0.75	1.80	0.425	0.266	(0.340)	0.159
10	0.83	1.50	0.355	0.266	(0.284)	0.088
11	0.92	1.60	0.378	0.266	(0.303)	0.112
12	1.00	1.80	0.425	0.266	(0.340)	0.159
13	1.08	2.20	0.520	0.266	(0.416)	0.254
14	1.17	2.20	0.520	0.266	(0.416)	0.254
15	1.25	2.20	0.520	0.266	(0.416)	0.254
16	1.33	2.00	0.473	0.266	(0.378)	0.206
17	1.42	2.60	0.615	0.266	(0.492)	0.348
18	1.50	2.70	0.638	0.266	(0.511)	0.372
19	1.58	2.40	0.567	0.266	(0.454)	0.301
20	1.67	2.70	0.638	0.266	(0.511)	0.372
21	1.75	3.30	0.780	0.266	(0.624)	0.514
22	1.83	3.10	0.733	0.266	(0.586)	0.466
23	1.92	2.90	0.685	0.266	(0.548)	0.419
24	2.00	3.00	0.709	0.266	(0.567)	0.443
25	2.08	3.10	0.733	0.266	(0.586)	0.466
26	2.17	4.20	0.993	0.266	(0.794)	0.726
27	2.25	5.00	1.182	0.266	(0.945)	0.916
28	2.33	3.50	0.827	0.266	(0.662)	0.561
29	2.42	6.80	1.607	0.266	(1.286)	1.341
30	2.50	7.30	1.725	0.266	(1.380)	1.459
31	2.58	8.20	1.938	0.266	(1.550)	1.672
32	2.67	5.90	1.394	0.266	(1.116)	1.128
33	2.75	2.00	0.473	0.266	(0.378)	0.206
34	2.83	1.80	0.425	0.266	(0.340)	0.159
35	2.92	1.80	0.425	0.266	(0.340)	0.159
36	3.00	0.60	0.142	(0.266)	0.113	0.028

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.3

Flood volume = Effective rainfall 1.19(In)
times area 45.4(Ac.)/[(In)/(Ft.)] = 4.5(Ac.Ft)
Total soil loss = 0.78(In)
Total soil loss = 2.943(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 196469.9 Cubic Feet
Total soil loss = 128197.0 Cubic Feet

Peak flow rate of this hydrograph = 60.944(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	17.5	35.0	52.5	70.0
0+ 5	0.0010	0.14	Q				
0+10	0.0070	0.88	Q				
0+15	0.0200	1.88	VQ				
0+20	0.0353	2.23	VQ				
0+25	0.0541	2.72	VQ				
0+30	0.0787	3.57	V Q				
0+35	0.1099	4.54	V Q				
0+40	0.1455	5.17	|VQ				
0+45	0.1824	5.36	|V Q				
0+50	0.2255	6.26	|V Q				
0+55	0.2656	5.83	| VQ				
1+ 0	0.3018	5.24	| Q				
1+ 5	0.3439	6.11	| Q				
1+10	0.3990	8.01	| VQ				
1+15	0.4668	9.84	| VQ				
1+20	0.5388	10.46	| VQ				
1+25	0.6121	10.64	| VQ				
1+30	0.6941	11.90	| Q				
1+35	0.7922	14.25	| VQ				
1+40	0.8937	14.73	| VQ				
1+45	0.9990	15.30	| Q				
1+50	1.1231	18.01	| VQ				
1+55	1.2616	20.11	| Q				
2+ 0	1.3986	19.90	| QV				
2+ 5	1.5348	19.78	| Q V				
2+10	1.6793	20.98	| Q V				
2+15	1.8520	25.07	| Q V				
2+20	2.0659	31.06	| QV				
2+25	2.2956	33.36	| QV				
2+30	2.5663	39.30	| Q				
2+35	2.9336	53.33	| V Q				
2+40	3.3533	60.94	| V| Q				
2+45	3.7593	58.95	| Q				
2+50	4.0474	41.83	| Q V				
2+55	4.2165	24.55	| Q V				
3+ 0	4.3343	17.10	| Q V				
3+ 5	4.4121	11.31	| Q V				
3+10	4.4545	6.15	| Q V				
3+15	4.4775	3.34	|Q V				
3+20	4.4911	1.98	|Q V				
3+25	4.5000	1.28	Q V				
3+30	4.5053	0.78	Q V				
3+35	4.5082	0.41	Q V				
3+40	4.5094	0.18	Q V				
3+45	4.5099	0.07	Q V				
3+50	4.5102	0.04	Q V				
3+55	4.5103	0.02	Q V				
4+ 0	4.5103	0.00	Q V				

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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/22/24 File: MESAP4F1006100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4F
2/09/24
--------------------------------------------------------------------------
Drainage Area =      45.41(Ac.)  =      0.071 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      45.41(Ac.)  =
0.071 Sq. Mi.
Length along longest watercourse =    3440.00(Ft.)
Length along longest watercourse measured to centroid =    1142.00(Ft.)
Length along longest watercourse =      0.652 Mi.
Length along longest watercourse measured to centroid =      0.216 Mi.
Difference in elevation =     109.00(Ft.)
Slope along watercourse =    167.3023 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.151 Hr.
Lag time =     9.05 Min.
25% of lag time =     2.26 Min.
40% of lag time =     3.62 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       45.41             1.35                   61.30

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       45.41             2.78                  126.24

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    16.880           65.00          0.120
     3.790           77.00          0.120
    24.740           82.00          0.120
 Total Area Entered =     45.41(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
65.0  65.0      0.416     0.120        0.371       0.372      0.138
77.0  77.0      0.279     0.120        0.249       0.083      0.021
82.0  82.0      0.221     0.120        0.197       0.545      0.107
                                                 Sum (F) =   0.266
Area averaged mean soil loss (F) (In/Hr) =  0.266
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.800
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083         55.259          4.945             2.263
    2   0.167        110.518         26.407            12.085
    3   0.250        165.776         36.328            16.625
    4   0.333        221.035         13.306             6.090
    5   0.417        276.294          7.699             3.524
    6   0.500        331.553          4.878             2.232
    7   0.583        386.811          2.964             1.356
    8   0.667        442.070          1.521             0.696
    9   0.750        497.329          0.648             0.296
   10   0.833        552.588          0.454             0.208
   11   0.917        607.847          0.390             0.178
   12   1.000        663.105          0.299             0.137
   13   1.083        718.364          0.161             0.074
                                 Sum = 100.000   Sum=      45.765
--------------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     0.50      0.167       (  0.266)       0.133        0.033
  2   0.17     0.60      0.200       (  0.266)       0.160        0.040
  3   0.25     0.60      0.200       (  0.266)       0.160        0.040
  4   0.33     0.60      0.200       (  0.266)       0.160        0.040
  5   0.42     0.60      0.200       (  0.266)       0.160        0.040
  6   0.50     0.70      0.233       (  0.266)       0.187        0.047
```

7	0.58	0.70	0.233	(0.266)	0.187	0.047
8	0.67	0.70	0.233	(0.266)	0.187	0.047
9	0.75	0.70	0.233	(0.266)	0.187	0.047
10	0.83	0.70	0.233	(0.266)	0.187	0.047
11	0.92	0.70	0.233	(0.266)	0.187	0.047
12	1.00	0.80	0.267	(0.266)	0.213	0.053
13	1.08	0.80	0.267	(0.266)	0.213	0.053
14	1.17	0.80	0.267	(0.266)	0.213	0.053
15	1.25	0.80	0.267	(0.266)	0.213	0.053
16	1.33	0.80	0.267	(0.266)	0.213	0.053
17	1.42	0.80	0.267	(0.266)	0.213	0.053
18	1.50	0.80	0.267	(0.266)	0.213	0.053
19	1.58	0.80	0.267	(0.266)	0.213	0.053
20	1.67	0.80	0.267	(0.266)	0.213	0.053
21	1.75	0.80	0.267	(0.266)	0.213	0.053
22	1.83	0.80	0.267	(0.266)	0.213	0.053
23	1.92	0.80	0.267	(0.266)	0.213	0.053
24	2.00	0.90	0.300	(0.266)	0.240	0.060
25	2.08	0.80	0.267	(0.266)	0.213	0.053
26	2.17	0.90	0.300	(0.266)	0.240	0.060
27	2.25	0.90	0.300	(0.266)	0.240	0.060
28	2.33	0.90	0.300	(0.266)	0.240	0.060
29	2.42	0.90	0.300	(0.266)	0.240	0.060
30	2.50	0.90	0.300	(0.266)	0.240	0.060
31	2.58	0.90	0.300	(0.266)	0.240	0.060
32	2.67	0.90	0.300	(0.266)	0.240	0.060
33	2.75	1.00	0.334	0.266 (0.267)		0.067
34	2.83	1.00	0.334	0.266 (0.267)		0.067
35	2.92	1.00	0.334	0.266 (0.267)		0.067
36	3.00	1.00	0.334	0.266 (0.267)		0.067
37	3.08	1.00	0.334	0.266 (0.267)		0.067
38	3.17	1.10	0.367	0.266 (0.294)		0.101
39	3.25	1.10	0.367	0.266 (0.294)		0.101
40	3.33	1.10	0.367	0.266 (0.294)		0.101
41	3.42	1.20	0.400	0.266 (0.320)		0.134
42	3.50	1.30	0.434	0.266 (0.347)		0.167
43	3.58	1.40	0.467	0.266 (0.374)		0.201
44	3.67	1.40	0.467	0.266 (0.374)		0.201
45	3.75	1.50	0.500	0.266 (0.400)		0.234
46	3.83	1.50	0.500	0.266 (0.400)		0.234
47	3.92	1.60	0.534	0.266 (0.427)		0.267
48	4.00	1.60	0.534	0.266 (0.427)		0.267
49	4.08	1.70	0.567	0.266 (0.454)		0.301
50	4.17	1.80	0.600	0.266 (0.480)		0.334
51	4.25	1.90	0.634	0.266 (0.507)		0.368
52	4.33	2.00	0.667	0.266 (0.534)		0.401
53	4.42	2.10	0.700	0.266 (0.560)		0.434
54	4.50	2.10	0.700	0.266 (0.560)		0.434
55	4.58	2.20	0.734	0.266 (0.587)		0.468
56	4.67	2.30	0.767	0.266 (0.614)		0.501
57	4.75	2.40	0.801	0.266 (0.640)		0.534
58	4.83	2.40	0.801	0.266 (0.640)		0.534
59	4.92	2.50	0.834	0.266 (0.667)		0.568
60	5.00	2.60	0.867	0.266 (0.694)		0.601
61	5.08	3.10	1.034	0.266 (0.827)		0.768
62	5.17	3.60	1.201	0.266 (0.961)		0.935
63	5.25	3.90	1.301	0.266 (1.041)		1.035
64	5.33	4.20	1.401	0.266 (1.121)		1.135
65	5.42	4.70	1.568	0.266 (1.254)		1.301
66	5.50	5.60	1.868	0.266 (1.494)		1.602
67	5.58	1.90	0.634	0.266 (0.507)		0.368
68	5.67	0.90	0.300	(0.266)	0.240	0.060
69	5.75	0.60	0.200	(0.266)	0.160	0.040
70	5.83	0.50	0.167	(0.266)	0.133	0.033
71	5.92	0.30	0.100	(0.266)	0.080	0.020
72	6.00	0.20	0.067	(0.266)	0.053	0.013

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.8

Flood volume = Effective rainfall 1.40(In)
times area 45.4(Ac.)/[(In)/(Ft.)] = 5.3(Ac.Ft)
Total soil loss = 1.38(In)
Total soil loss = 5.227(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 230479.3 Cubic Feet
Total soil loss = 227699.6 Cubic Feet

Peak flow rate of this hydrograph = 56.432(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	15.0	30.0	45.0	60.0
0+ 5	0.0005	0.08	Q				
0+10	0.0039	0.49	Q				
0+15	0.0117	1.13	Q				
0+20	0.0216	1.44	Q				
0+25	0.0327	1.60	VQ				
0+30	0.0445	1.71	VQ				
0+35	0.0573	1.86	VQ				
0+40	0.0710	2.00	VQ				
0+45	0.0852	2.05	VQ				
0+50	0.0996	2.09	VQ				
0+55	0.1141	2.11	VQ				
1+ 0	0.1288	2.14	VQ				
1+ 5	0.1441	2.23	|Q				
1+10	0.1603	2.34	|Q				
1+15	0.1767	2.38	|Q				
1+20	0.1933	2.41	|Q				
1+25	0.2100	2.42	|Q				
1+30	0.2267	2.43	|Q				
1+35	0.2435	2.44	|Q				
1+40	0.2603	2.44	|Q				
1+45	0.2771	2.44	|QV				
1+50	0.2939	2.44	|QV				
1+55	0.3108	2.44	|QV				
2+ 0	0.3277	2.46	|QV				
2+ 5	0.3451	2.52	|QV				
2+10	0.3628	2.57	|QV				
2+15	0.3805	2.58	|QV				
2+20	0.3990	2.67	|Q V				
2+25	0.4176	2.71	|Q V				
2+30	0.4363	2.72	|Q V				
2+35	0.4552	2.73	|Q V				
2+40	0.4741	2.74	|Q V				
2+45	0.4931	2.76	|Q V				
2+50	0.5127	2.85	|Q V				
2+55	0.5332	2.97	|Q V				
3+ 0	0.5540	3.02	| Q V				
3+ 5	0.5749	3.04	| Q V				

```
   3+10       0.5965      3.14  | Q V     |         |         |         |
   3+15       0.6210      3.55  | Q V     |         |         |         |
   3+20       0.6493      4.11  | Q V     |         |         |         |
   3+25       0.6795      4.39  | Q  V    |         |         |         |
   3+30       0.7139      4.99  |  Q V    |         |         |         |
   3+35       0.7559      6.10  |   QV    |         |         |         |
   3+40       0.8062      7.31  |   Q V   |         |         |         |
   3+45       0.8632      8.28  |    QV   |         |         |         |
   3+50       0.9258      9.09  |     Q   |         |         |         |
   3+55       0.9944      9.96  |     QV  |         |         |         |
   4+ 0       1.0682     10.72  |      QV |         |         |         |
   4+ 5       1.1478     11.55  |      QV |         |         |         |
   4+10       1.2328     12.35  |       QV|         |         |         |
   4+15       1.3263     13.57  |        QV         |         |         |
   4+20       1.4290     14.92  |        QV         |         |         |
   4+25       1.5416     16.34  |         QV        |         |         |
   4+30       1.6637     17.73  |         |QV       |         |         |
   4+35       1.7933     18.82  |         | QV      |         |         |
   4+40       1.9295     19.78  |         |  QV     |         |         |
   4+45       2.0748     21.09  |         |   QV    |         |         |
   4+50       2.2291     22.41  |         |   Q V   |         |         |
   4+55       2.3907     23.46  |         |    Q  V |         |         |
   5+ 0       2.5586     24.38  |         |     Q  V|         |         |
   5+ 5       2.7376     25.99  |         |      Q  V         |         |
   5+10       2.9394     29.30  |         |        Q| V       |         |
   5+15       3.1786     34.73  |         |         |  QV     |         |
   5+20       3.4555     40.20  |         |         |    Q    |         |
   5+25       3.7668     45.20  |         |         |      V Q          |
   5+30       4.1195     51.22  |         |         |         |V  Q     |
   5+35       4.5081     56.43  |         |         |         |   V  Q  |
   5+40       4.8371     47.77  |         |         |         |Q    V   |
   5+45       5.0191     26.43  |         |      Q  |         |      V  |
   5+50       5.1243     15.27  |         |Q        |         |       V |
   5+55       5.1909      9.67  |     Q   |         |         |        V|
   6+ 0       5.2326      6.05  |   Q     |         |         |        V|
   6+ 5       5.2572      3.58  | Q       |         |         |        V|
   6+10       5.2713      2.05  |Q        |         |         |        V|
   6+15       5.2798      1.23  Q         |         |         |        V|
   6+20       5.2854      0.81  Q         |         |         |        V|
   6+25       5.2887      0.49  Q         |         |         |        V|
   6+30       5.2903      0.23  Q         |         |         |        V|
   6+35       5.2907      0.06  Q         |         |         |        V|
   6+40       5.2909      0.02  Q         |         |         |        V|
   6+45       5.2910      0.01  Q         |         |         |        V|
   6+50       5.2910      0.01  Q         |         |         |        V|
   6+55       5.2911      0.00  Q         |         |         |        V|
   7+ 0       5.2911      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  02/22/24 File: MESAP4F10024100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4F
2/09/24
--------------------------------------------------------------------------
Drainage Area =      45.41(Ac.)  =      0.071 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      45.41(Ac.)  =
0.071 Sq. Mi.
Length along longest watercourse =    3440.00(Ft.)
Length along longest watercourse measured to centroid =    1142.00(Ft.)
Length along longest watercourse =      0.652 Mi.
Length along longest watercourse measured to centroid =      0.216 Mi.
Difference in elevation =     109.00(Ft.)
Slope along watercourse =    167.3023 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.151 Hr.
Lag time =     9.05 Min.
25% of lag time =     2.26 Min.
40% of lag time =     3.62 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       45.41              2.45                  111.25

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       45.41              6.08                  276.09

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    16.880           65.00          0.120
     3.790           77.00          0.120
    24.740           82.00          0.120
 Total Area Entered =     45.41(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
65.0  65.0      0.416     0.120        0.371       0.372      0.138
77.0  77.0      0.279     0.120        0.249       0.083      0.021
82.0  82.0      0.221     0.120        0.197       0.545      0.107
                                                 Sum (F) =   0.266
Area averaged mean soil loss (F) (In/Hr) =  0.266
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.800
--------------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        55.259          4.945             2.263
    2   0.167       110.518         26.407            12.085
    3   0.250       165.776         36.328            16.625
    4   0.333       221.035         13.306             6.090
    5   0.417       276.294          7.699             3.524
    6   0.500       331.553          4.878             2.232
    7   0.583       386.811          2.964             1.356
    8   0.667       442.070          1.521             0.696
    9   0.750       497.329          0.648             0.296
   10   0.833       552.588          0.454             0.208
   11   0.917       607.847          0.390             0.178
   12   1.000       663.105          0.299             0.137
   13   1.083       718.364          0.161             0.074
                                Sum = 100.000   Sum=     45.765
--------------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.472)      0.039        0.010
  2   0.17     0.07      0.049       (  0.470)      0.039        0.010
  3   0.25     0.07      0.049       (  0.468)      0.039        0.010
  4   0.33     0.10      0.073       (  0.466)      0.058        0.015
  5   0.42     0.10      0.073       (  0.465)      0.058        0.015
  6   0.50     0.10      0.073       (  0.463)      0.058        0.015
```

7	0.58	0.10	0.073	(0.461)	0.058	0.015
8	0.67	0.10	0.073	(0.459)	0.058	0.015
9	0.75	0.10	0.073	(0.457)	0.058	0.015
10	0.83	0.13	0.097	(0.456)	0.078	0.019
11	0.92	0.13	0.097	(0.454)	0.078	0.019
12	1.00	0.13	0.097	(0.452)	0.078	0.019
13	1.08	0.10	0.073	(0.450)	0.058	0.015
14	1.17	0.10	0.073	(0.449)	0.058	0.015
15	1.25	0.10	0.073	(0.447)	0.058	0.015
16	1.33	0.10	0.073	(0.445)	0.058	0.015
17	1.42	0.10	0.073	(0.443)	0.058	0.015
18	1.50	0.10	0.073	(0.441)	0.058	0.015
19	1.58	0.10	0.073	(0.440)	0.058	0.015
20	1.67	0.10	0.073	(0.438)	0.058	0.015
21	1.75	0.10	0.073	(0.436)	0.058	0.015
22	1.83	0.13	0.097	(0.434)	0.078	0.019
23	1.92	0.13	0.097	(0.433)	0.078	0.019
24	2.00	0.13	0.097	(0.431)	0.078	0.019
25	2.08	0.13	0.097	(0.429)	0.078	0.019
26	2.17	0.13	0.097	(0.427)	0.078	0.019
27	2.25	0.13	0.097	(0.426)	0.078	0.019
28	2.33	0.13	0.097	(0.424)	0.078	0.019
29	2.42	0.13	0.097	(0.422)	0.078	0.019
30	2.50	0.13	0.097	(0.420)	0.078	0.019
31	2.58	0.17	0.122	(0.419)	0.097	0.024
32	2.67	0.17	0.122	(0.417)	0.097	0.024
33	2.75	0.17	0.122	(0.415)	0.097	0.024
34	2.83	0.17	0.122	(0.414)	0.097	0.024
35	2.92	0.17	0.122	(0.412)	0.097	0.024
36	3.00	0.17	0.122	(0.410)	0.097	0.024
37	3.08	0.17	0.122	(0.409)	0.097	0.024
38	3.17	0.17	0.122	(0.407)	0.097	0.024
39	3.25	0.17	0.122	(0.405)	0.097	0.024
40	3.33	0.17	0.122	(0.403)	0.097	0.024
41	3.42	0.17	0.122	(0.402)	0.097	0.024
42	3.50	0.17	0.122	(0.400)	0.097	0.024
43	3.58	0.17	0.122	(0.398)	0.097	0.024
44	3.67	0.17	0.122	(0.397)	0.097	0.024
45	3.75	0.17	0.122	(0.395)	0.097	0.024
46	3.83	0.20	0.146	(0.393)	0.117	0.029
47	3.92	0.20	0.146	(0.392)	0.117	0.029
48	4.00	0.20	0.146	(0.390)	0.117	0.029
49	4.08	0.20	0.146	(0.388)	0.117	0.029
50	4.17	0.20	0.146	(0.387)	0.117	0.029
51	4.25	0.20	0.146	(0.385)	0.117	0.029
52	4.33	0.23	0.170	(0.383)	0.136	0.034
53	4.42	0.23	0.170	(0.382)	0.136	0.034
54	4.50	0.23	0.170	(0.380)	0.136	0.034
55	4.58	0.23	0.170	(0.379)	0.136	0.034
56	4.67	0.23	0.170	(0.377)	0.136	0.034
57	4.75	0.23	0.170	(0.375)	0.136	0.034
58	4.83	0.27	0.195	(0.374)	0.156	0.039
59	4.92	0.27	0.195	(0.372)	0.156	0.039
60	5.00	0.27	0.195	(0.370)	0.156	0.039
61	5.08	0.20	0.146	(0.369)	0.117	0.029
62	5.17	0.20	0.146	(0.367)	0.117	0.029
63	5.25	0.20	0.146	(0.366)	0.117	0.029
64	5.33	0.23	0.170	(0.364)	0.136	0.034
65	5.42	0.23	0.170	(0.362)	0.136	0.034
66	5.50	0.23	0.170	(0.361)	0.136	0.034
67	5.58	0.27	0.195	(0.359)	0.156	0.039
68	5.67	0.27	0.195	(0.358)	0.156	0.039
69	5.75	0.27	0.195	(0.356)	0.156	0.039
70	5.83	0.27	0.195	(0.355)	0.156	0.039
71	5.92	0.27	0.195	(0.353)	0.156	0.039
72	6.00	0.27	0.195	(0.351)	0.156	0.039
73	6.08	0.30	0.219	(0.350)	0.175	0.044
74	6.17	0.30	0.219	(0.348)	0.175	0.044
75	6.25	0.30	0.219	(0.347)	0.175	0.044
76	6.33	0.30	0.219	(0.345)	0.175	0.044
77	6.42	0.30	0.219	(0.344)	0.175	0.044
78	6.50	0.30	0.219	(0.342)	0.175	0.044
79	6.58	0.33	0.243	(0.341)	0.195	0.049
80	6.67	0.33	0.243	(0.339)	0.195	0.049
81	6.75	0.33	0.243	(0.338)	0.195	0.049
82	6.83	0.33	0.243	(0.336)	0.195	0.049
83	6.92	0.33	0.243	(0.334)	0.195	0.049
84	7.00	0.33	0.243	(0.333)	0.195	0.049
85	7.08	0.33	0.243	(0.331)	0.195	0.049
86	7.17	0.33	0.243	(0.330)	0.195	0.049
87	7.25	0.33	0.243	(0.328)	0.195	0.049
88	7.33	0.37	0.267	(0.327)	0.214	0.053
89	7.42	0.37	0.267	(0.325)	0.214	0.053
90	7.50	0.37	0.267	(0.324)	0.214	0.053
91	7.58	0.40	0.292	(0.322)	0.233	0.058
92	7.67	0.40	0.292	(0.321)	0.233	0.058
93	7.75	0.40	0.292	(0.319)	0.233	0.058
94	7.83	0.43	0.316	(0.318)	0.253	0.063
95	7.92	0.43	0.316	(0.317)	0.253	0.063
96	8.00	0.43	0.316	(0.315)	0.253	0.063
97	8.08	0.50	0.365	(0.314)	0.292	0.073
98	8.17	0.50	0.365	(0.312)	0.292	0.073
99	8.25	0.50	0.365	(0.311)	0.292	0.073
100	8.33	0.50	0.365	(0.309)	0.292	0.073
101	8.42	0.50	0.365	(0.308)	0.292	0.073
102	8.50	0.50	0.365	(0.306)	0.292	0.073
103	8.58	0.53	0.389	0.305	(0.311)	0.084
104	8.67	0.53	0.389	0.303	(0.311)	0.086
105	8.75	0.53	0.389	0.302	(0.311)	0.087
106	8.83	0.57	0.413	0.301	(0.331)	0.113
107	8.92	0.57	0.413	0.299	(0.331)	0.114
108	9.00	0.57	0.413	0.298	(0.331)	0.116
109	9.08	0.63	0.462	0.296	(0.370)	0.166
110	9.17	0.63	0.462	0.295	(0.370)	0.167
111	9.25	0.63	0.462	0.294	(0.370)	0.168
112	9.33	0.67	0.486	0.292	(0.389)	0.194
113	9.42	0.67	0.486	0.291	(0.389)	0.196
114	9.50	0.67	0.486	0.289	(0.389)	0.197
115	9.58	0.70	0.511	0.288	(0.409)	0.223
116	9.67	0.70	0.511	0.287	(0.409)	0.224
117	9.75	0.70	0.511	0.285	(0.409)	0.225
118	9.83	0.73	0.535	0.284	(0.428)	0.251
119	9.92	0.73	0.535	0.283	(0.428)	0.252
120	10.00	0.73	0.535	0.281	(0.428)	0.254
121	10.08	0.50	0.365	0.280	(0.292)	0.085
122	10.17	0.50	0.365	0.278	(0.292)	0.086
123	10.25	0.50	0.365	0.277	(0.292)	0.088
124	10.33	0.50	0.365	0.276	(0.292)	0.089
125	10.42	0.50	0.365	0.274	(0.292)	0.090
126	10.50	0.50	0.365	0.273	(0.292)	0.092
127	10.58	0.67	0.486	0.272	(0.389)	0.215
128	10.67	0.67	0.486	0.270	(0.389)	0.216
129	10.75	0.67	0.486	0.269	(0.389)	0.217
130	10.83	0.67	0.486	0.268	(0.389)	0.219

131	10.92	0.67	0.486	0.266	(0.389)	0.220
132	11.00	0.67	0.486	0.265	(0.389)	0.221
133	11.08	0.63	0.462	0.264	(0.370)	0.198
134	11.17	0.63	0.462	0.263	(0.370)	0.200
135	11.25	0.63	0.462	0.261	(0.370)	0.201
136	11.33	0.63	0.462	0.260	(0.370)	0.202
137	11.42	0.63	0.462	0.259	(0.370)	0.203
138	11.50	0.63	0.462	0.257	(0.370)	0.205
139	11.58	0.57	0.413	0.256	(0.331)	0.157
140	11.67	0.57	0.413	0.255	(0.331)	0.159
141	11.75	0.57	0.413	0.254	(0.331)	0.160
142	11.83	0.60	0.438	0.252	(0.350)	0.185
143	11.92	0.60	0.438	0.251	(0.350)	0.187
144	12.00	0.60	0.438	0.250	(0.350)	0.188
145	12.08	0.83	0.608	0.249	(0.486)	0.359
146	12.17	0.83	0.608	0.247	(0.486)	0.361
147	12.25	0.83	0.608	0.246	(0.486)	0.362
148	12.33	0.87	0.632	0.245	(0.506)	0.387
149	12.42	0.87	0.632	0.244	(0.506)	0.389
150	12.50	0.87	0.632	0.242	(0.506)	0.390
151	12.58	0.93	0.681	0.241	(0.545)	0.440
152	12.67	0.93	0.681	0.240	(0.545)	0.441
153	12.75	0.93	0.681	0.239	(0.545)	0.442
154	12.83	0.97	0.705	0.238	(0.564)	0.468
155	12.92	0.97	0.705	0.236	(0.564)	0.469
156	13.00	0.97	0.705	0.235	(0.564)	0.470
157	13.08	1.13	0.827	0.234	(0.661)	0.593
158	13.17	1.13	0.827	0.233	(0.661)	0.594
159	13.25	1.13	0.827	0.232	(0.661)	0.595
160	13.33	1.13	0.827	0.230	(0.661)	0.596
161	13.42	1.13	0.827	0.229	(0.661)	0.598
162	13.50	1.13	0.827	0.228	(0.661)	0.599
163	13.58	0.77	0.559	0.227	(0.447)	0.332
164	13.67	0.77	0.559	0.226	(0.447)	0.334
165	13.75	0.77	0.559	0.225	(0.447)	0.335
166	13.83	0.77	0.559	0.223	(0.447)	0.336
167	13.92	0.77	0.559	0.222	(0.447)	0.337
168	14.00	0.77	0.559	0.221	(0.447)	0.338
169	14.08	0.90	0.657	0.220	(0.525)	0.437
170	14.17	0.90	0.657	0.219	(0.525)	0.438
171	14.25	0.90	0.657	0.218	(0.525)	0.439
172	14.33	0.87	0.632	0.217	(0.506)	0.416
173	14.42	0.87	0.632	0.216	(0.506)	0.417
174	14.50	0.87	0.632	0.214	(0.506)	0.418
175	14.58	0.87	0.632	0.213	(0.506)	0.419
176	14.67	0.87	0.632	0.212	(0.506)	0.420
177	14.75	0.87	0.632	0.211	(0.506)	0.421
178	14.83	0.83	0.608	0.210	(0.486)	0.398
179	14.92	0.83	0.608	0.209	(0.486)	0.399
180	15.00	0.83	0.608	0.208	(0.486)	0.400
181	15.08	0.80	0.584	0.207	(0.467)	0.377
182	15.17	0.80	0.584	0.206	(0.467)	0.378
183	15.25	0.80	0.584	0.205	(0.467)	0.379
184	15.33	0.77	0.559	0.204	(0.447)	0.356
185	15.42	0.77	0.559	0.203	(0.447)	0.357
186	15.50	0.77	0.559	0.202	(0.447)	0.358
187	15.58	0.63	0.462	0.201	(0.370)	0.261
188	15.67	0.63	0.462	0.200	(0.370)	0.262
189	15.75	0.63	0.462	0.199	(0.370)	0.263
190	15.83	0.63	0.462	0.198	(0.370)	0.265
191	15.92	0.63	0.462	0.197	(0.370)	0.266
192	16.00	0.63	0.462	0.196	(0.370)	0.267
193	16.08	0.13	0.097	(0.195)	0.078	0.019
194	16.17	0.13	0.097	(0.194)	0.078	0.019
195	16.25	0.13	0.097	(0.193)	0.078	0.019
196	16.33	0.13	0.097	(0.192)	0.078	0.019
197	16.42	0.13	0.097	(0.191)	0.078	0.019
198	16.50	0.13	0.097	(0.190)	0.078	0.019
199	16.58	0.10	0.073	(0.189)	0.058	0.015
200	16.67	0.10	0.073	(0.188)	0.058	0.015
201	16.75	0.10	0.073	(0.187)	0.058	0.015
202	16.83	0.10	0.073	(0.186)	0.058	0.015
203	16.92	0.10	0.073	(0.185)	0.058	0.015
204	17.00	0.10	0.073	(0.184)	0.058	0.015
205	17.08	0.17	0.122	(0.183)	0.097	0.024
206	17.17	0.17	0.122	(0.182)	0.097	0.024
207	17.25	0.17	0.122	(0.181)	0.097	0.024
208	17.33	0.17	0.122	(0.180)	0.097	0.024
209	17.42	0.17	0.122	(0.179)	0.097	0.024
210	17.50	0.17	0.122	(0.178)	0.097	0.024
211	17.58	0.17	0.122	(0.178)	0.097	0.024
212	17.67	0.17	0.122	(0.177)	0.097	0.024
213	17.75	0.17	0.122	(0.176)	0.097	0.024
214	17.83	0.13	0.097	(0.175)	0.078	0.019
215	17.92	0.13	0.097	(0.174)	0.078	0.019
216	18.00	0.13	0.097	(0.173)	0.078	0.019
217	18.08	0.13	0.097	(0.172)	0.078	0.019
218	18.17	0.13	0.097	(0.171)	0.078	0.019
219	18.25	0.13	0.097	(0.171)	0.078	0.019
220	18.33	0.13	0.097	(0.170)	0.078	0.019
221	18.42	0.13	0.097	(0.169)	0.078	0.019
222	18.50	0.13	0.097	(0.168)	0.078	0.019
223	18.58	0.10	0.073	(0.167)	0.058	0.015
224	18.67	0.10	0.073	(0.167)	0.058	0.015
225	18.75	0.10	0.073	(0.166)	0.058	0.015
226	18.83	0.07	0.049	(0.165)	0.039	0.010
227	18.92	0.07	0.049	(0.164)	0.039	0.010
228	19.00	0.07	0.049	(0.163)	0.039	0.010
229	19.08	0.10	0.073	(0.163)	0.058	0.015
230	19.17	0.10	0.073	(0.162)	0.058	0.015
231	19.25	0.10	0.073	(0.161)	0.058	0.015
232	19.33	0.13	0.097	(0.160)	0.078	0.019
233	19.42	0.13	0.097	(0.160)	0.078	0.019
234	19.50	0.13	0.097	(0.159)	0.078	0.019
235	19.58	0.10	0.073	(0.158)	0.058	0.015
236	19.67	0.10	0.073	(0.157)	0.058	0.015
237	19.75	0.10	0.073	(0.157)	0.058	0.015
238	19.83	0.07	0.049	(0.156)	0.039	0.010
239	19.92	0.07	0.049	(0.155)	0.039	0.010
240	20.00	0.07	0.049	(0.155)	0.039	0.010
241	20.08	0.10	0.073	(0.154)	0.058	0.015
242	20.17	0.10	0.073	(0.153)	0.058	0.015
243	20.25	0.10	0.073	(0.153)	0.058	0.015
244	20.33	0.10	0.073	(0.152)	0.058	0.015
245	20.42	0.10	0.073	(0.151)	0.058	0.015
246	20.50	0.10	0.073	(0.151)	0.058	0.015
247	20.58	0.10	0.073	(0.150)	0.058	0.015
248	20.67	0.10	0.073	(0.149)	0.058	0.015
249	20.75	0.10	0.073	(0.149)	0.058	0.015
250	20.83	0.07	0.049	(0.148)	0.039	0.010
251	20.92	0.07	0.049	(0.148)	0.039	0.010
252	21.00	0.07	0.049	(0.147)	0.039	0.010
253	21.08	0.10	0.073	(0.146)	0.058	0.015
254	21.17	0.10	0.073	(0.146)	0.058	0.015

255	21.25	0.10	0.073	(0.145)	0.058	0.015
256	21.33	0.07	0.049	(0.145)	0.039	0.010
257	21.42	0.07	0.049	(0.144)	0.039	0.010
258	21.50	0.07	0.049	(0.144)	0.039	0.010
259	21.58	0.10	0.073	(0.143)	0.058	0.015
260	21.67	0.10	0.073	(0.143)	0.058	0.015
261	21.75	0.10	0.073	(0.142)	0.058	0.015
262	21.83	0.07	0.049	(0.142)	0.039	0.010
263	21.92	0.07	0.049	(0.141)	0.039	0.010
264	22.00	0.07	0.049	(0.141)	0.039	0.010
265	22.08	0.10	0.073	(0.140)	0.058	0.015
266	22.17	0.10	0.073	(0.140)	0.058	0.015
267	22.25	0.10	0.073	(0.139)	0.058	0.015
268	22.33	0.07	0.049	(0.139)	0.039	0.010
269	22.42	0.07	0.049	(0.138)	0.039	0.010
270	22.50	0.07	0.049	(0.138)	0.039	0.010
271	22.58	0.07	0.049	(0.138)	0.039	0.010
272	22.67	0.07	0.049	(0.137)	0.039	0.010
273	22.75	0.07	0.049	(0.137)	0.039	0.010
274	22.83	0.07	0.049	(0.136)	0.039	0.010
275	22.92	0.07	0.049	(0.136)	0.039	0.010
276	23.00	0.07	0.049	(0.136)	0.039	0.010
277	23.08	0.07	0.049	(0.135)	0.039	0.010
278	23.17	0.07	0.049	(0.135)	0.039	0.010
279	23.25	0.07	0.049	(0.135)	0.039	0.010
280	23.33	0.07	0.049	(0.135)	0.039	0.010
281	23.42	0.07	0.049	(0.134)	0.039	0.010
282	23.50	0.07	0.049	(0.134)	0.039	0.010
283	23.58	0.07	0.049	(0.134)	0.039	0.010
284	23.67	0.07	0.049	(0.134)	0.039	0.010
285	23.75	0.07	0.049	(0.133)	0.039	0.010
286	23.83	0.07	0.049	(0.133)	0.039	0.010
287	23.92	0.07	0.049	(0.133)	0.039	0.010
288	24.00	0.07	0.049	(0.133)	0.039	0.010

(Loss Rate Not Used)

Sum = 100.0 Sum = 31.4

Flood volume = Effective rainfall 2.62(In)
times area 45.4(Ac.)/[(In)/(Ft.)] = 9.9(Ac.Ft)
Total soil loss = 3.46(In)
Total soil loss = 13.104(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 431335.9 Cubic Feet
Total soil loss = 570792.0 Cubic Feet

Peak flow rate of this hydrograph = 26.911(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0002	0.02	Q	|	|	|	|
0+10	0.0011	0.14	Q	|	|	|	|
0+15	0.0032	0.30	Q	|	|	|	|
0+20	0.0057	0.37	Q	|	|	|	|
0+25	0.0090	0.46	Q	|	|	|	|
0+30	0.0129	0.57	Q	|	|	|	|
0+35	0.0171	0.61	Q	|	|	|	|
0+40	0.0214	0.63	Q	|	|	|	|
0+45	0.0259	0.65	Q	|	|	|	|
0+50	0.0305	0.67	Q	|	|	|	|
0+55	0.0355	0.73	Q	|	|	|	|
1+ 0	0.0411	0.82	VQ	|	|	|	|
1+ 5	0.0469	0.84	VQ	|	|	|	|
1+10	0.0524	0.79	VQ	|	|	|	|
1+15	0.0574	0.73	Q	|	|	|	|
1+20	0.0622	0.70	Q	|	|	|	|
1+25	0.0669	0.69	Q	|	|	|	|
1+30	0.0716	0.68	Q	|	|	|	|
1+35	0.0763	0.67	Q	|	|	|	|
1+40	0.0809	0.67	Q	|	|	|	|
1+45	0.0855	0.67	Q	|	|	|	|
1+50	0.0902	0.68	Q	|	|	|	|
1+55	0.0953	0.74	Q	|	|	|	|
2+ 0	0.1009	0.82	VQ	|	|	|	|
2+ 5	0.1068	0.85	VQ	|	|	|	|
2+10	0.1127	0.87	VQ	|	|	|	|
2+15	0.1188	0.88	VQ	|	|	|	|
2+20	0.1249	0.88	VQ	|	|	|	|
2+25	0.1310	0.89	VQ	|	|	|	|
2+30	0.1371	0.89	VQ	|	|	|	|
2+35	0.1433	0.90	VQ	|	|	|	|
2+40	0.1499	0.96	VQ	|	|	|	|
2+45	0.1571	1.04	VQ	|	|	|	|
2+50	0.1644	1.07	VQ	|	|	|	|
2+55	0.1719	1.09	VQ	|	|	|	|
3+ 0	0.1795	1.10	VQ	|	|	|	|
3+ 5	0.1871	1.11	VQ	|	|	|	|
3+10	0.1947	1.11	VQ	|	|	|	|
3+15	0.2024	1.11	VQ	|	|	|	|
3+20	0.2101	1.11	VQ	|	|	|	|
3+25	0.2177	1.11	VQ	|	|	|	|
3+30	0.2254	1.11	VQ	|	|	|	|
3+35	0.2330	1.11	VQ	|	|	|	|
3+40	0.2407	1.11	VQ	|	|	|	|
3+45	0.2484	1.11	|Q	|	|	|	|
3+50	0.2561	1.12	|Q	|	|	|	|
3+55	0.2643	1.18	|Q	|	|	|	|
4+ 0	0.2730	1.26	|Q	|	|	|	|
4+ 5	0.2819	1.29	|Q	|	|	|	|
4+10	0.2909	1.31	|Q	|	|	|	|
4+15	0.3000	1.32	|Q	|	|	|	|
4+20	0.3093	1.34	|Q	|	|	|	|
4+25	0.3189	1.40	|Q	|	|	|	|
4+30	0.3291	1.48	|Q	|	|	|	|
4+35	0.3396	1.51	|VQ	|	|	|	|
4+40	0.3501	1.53	|VQ	|	|	|	|
4+45	0.3607	1.54	|VQ	|	|	|	|
4+50	0.3715	1.56	|VQ	|	|	|	|
4+55	0.3827	1.62	|VQ	|	|	|	|
5+ 0	0.3944	1.71	|VQ	|	|	|	|
5+ 5	0.4063	1.72	|VQ	|	|	|	|
5+10	0.4174	1.62	|VQ	|	|	|	|
5+15	0.4275	1.47	|Q	|	|	|	|
5+20	0.4373	1.42	|Q	|	|	|	|
5+25	0.4473	1.45	|Q	|	|	|	|
5+30	0.4577	1.51	|VQ	|	|	|	|
5+35	0.4683	1.54	|VQ	|	|	|	|
5+40	0.4794	1.61	|VQ	|	|	|	|
5+45	0.4911	1.70	|VQ	|	|	|	|

5+50	0.5031	1.74	Q				
5+55	0.5152	1.75	Q				
6+ 0	0.5273	1.77	Q				
6+ 5	0.5396	1.78	Q				
6+10	0.5523	1.85	Q				
6+15	0.5656	1.93	Q				
6+20	0.5791	1.96	Q				
6+25	0.5927	1.98	Q				
6+30	0.6064	1.99	Q				
6+35	0.6202	2.01	Q				
6+40	0.6345	2.07	Q				
6+45	0.6493	2.15	Q				
6+50	0.6644	2.18	Q				
6+55	0.6795	2.20	Q				
7+ 0	0.6947	2.21	Q				
7+ 5	0.7100	2.22	Q				
7+10	0.7253	2.22	Q				
7+15	0.7407	2.22	Q				
7+20	0.7561	2.24	QV				
7+25	0.7719	2.30	Q				
7+30	0.7882	2.38	Q				
7+35	0.8049	2.42	Q				
7+40	0.8221	2.49	Q				
7+45	0.8399	2.59	Q				
7+50	0.8580	2.63	Q				
7+55	0.8767	2.71	Q				
8+ 0	0.8960	2.81	Q				
8+ 5	0.9158	2.87	Q				
8+10	0.9364	3.00	VQ				
8+15	0.9583	3.18	VQ				
8+20	0.9807	3.25	VQ				
8+25	1.0033	3.28	Q				
8+30	1.0261	3.31	Q				
8+35	1.0492	3.35	Q				
8+40	1.0732	3.49	Q				
8+45	1.0988	3.71	Q				
8+50	1.1254	3.88	VQ				
8+55	1.1548	4.26	VQ				
9+ 0	1.1875	4.75	V Q				
9+ 5	1.2226	5.09	V Q				
9+10	1.2627	5.83	V Q				
9+15	1.3093	6.76	V Q|			
9+20	1.3590	7.21	V Q|			
9+25	1.4124	7.76	V Q				
9+30	1.4699	8.35	V |Q				
9+35	1.5297	8.69	V |Q				
9+40	1.5928	9.17	V | Q				
9+45	1.6597	9.71	V | Q				
9+50	1.7287	10.02	V | Q				
9+55	1.8009	10.49	V | Q				
10+ 0	1.8768	11.02	V | Q				
10+ 5	1.9518	10.89	V | Q				
10+10	2.0138	9.00	V | Q				
10+15	2.0572	6.30	Q |				
10+20	2.0941	5.36	QV				
10+25	2.1275	4.84	Q V				
10+30	2.1587	4.54	Q V				
10+35	2.1907	4.65	Q V |				
10+40	2.2325	6.07	QV|				
10+45	2.2883	8.10	VQ				
10+50	2.3494	8.87	V|Q				
10+55	2.4137	9.33	V| Q				

11+ 0	2.4801	9.64	V Q				
11+ 5	2.5475	9.80	V Q				
11+10	2.6140	9.65	V Q				
11+15	2.6783	9.34	V Q				
11+20	2.7422	9.28	|VQ				
11+25	2.8060	9.27	|VQ				
11+30	2.8700	9.29	|VQ				
11+35	2.9335	9.22	|VQ				
11+40	2.9932	8.67	|QV				
11+45	3.0477	7.91	Q V				
11+50	3.1009	7.73	Q V				
11+55	3.1553	7.90	Q V				
12+ 0	3.2122	8.25	|QV				
12+ 5	3.2726	8.78	|Q V				
12+10	3.3480	10.94	| VQ				
12+15	3.4435	13.87	| V Q				
12+20	3.5471	15.04	| V Q				
12+25	3.6573	16.00	| V |Q				
12+30	3.7733	16.85	| V | Q				
12+35	3.8931	17.39	| V | Q				
12+40	4.0188	18.25	| V | Q				
12+45	4.1511	19.22	| V | Q				
12+50	4.2868	19.70	| V | Q				
12+55	4.4263	20.26	| V | Q				
13+ 0	4.5700	20.86	| V | Q				
13+ 5	4.7176	21.42	| V| Q				
13+10	4.8765	23.07	| V| Q				
13+15	5.0502	25.22	| V | Q				
13+20	5.2297	26.06	| V | Q				
13+25	5.4127	26.57	| V | Q				
13+30	5.5980	26.91	| V | Q				
13+35	5.7808	26.53	| V | Q				
13+40	5.9422	23.44	| V |Q				
13+45	6.0736	19.08	| VQ				
13+50	6.1944	17.53	| Q V				
13+55	6.3092	16.67	| Q V				
14+ 0	6.4203	16.14	|Q V				
14+ 5	6.5309	16.06	|Q V				
14+10	6.6486	17.10	| Q V				
14+15	6.7773	18.69	| Q V				
14+20	6.9097	19.22	| Q V				
14+25	7.0425	19.27	| Q V				
14+30	7.1740	19.10	| Q V				
14+35	7.3057	19.12	| Q V|			
14+40	7.4375	19.15	| Q V				
14+45	7.5696	19.17	| Q V				
14+50	7.7015	19.16	| Q |V				
14+55	7.8318	18.91	| Q |V				
15+ 0	7.9596	18.56	| Q | V				
15+ 5	8.0864	18.41	| Q | V				
15+10	8.2109	18.08	| Q | V				
15+15	8.3326	17.66	| Q | V				
15+20	8.4529	17.47	| Q | V				
15+25	8.5709	17.13	| Q | V				
15+30	8.6860	16.71	| Q | V				
15+35	8.7986	16.35	| |Q | V				
15+40	8.9027	15.11	| Q | V				
15+45	8.9955	13.48	| Q | V				
15+50	9.0843	12.89	| Q | V				
15+55	9.1709	12.58	| Q | V				
16+ 0	9.2563	12.40	| Q | V				
16+ 5	9.3371	11.74	| Q | V				

16+10	9.3971	8.71	|	Q |		V	|
16+15	9.4287	4.59	|	Q	|		V |
16+20	9.4499	3.07	|	Q	|		V |
16+25	9.4649	2.18	| Q	|			V |
16+30	9.4761	1.62	| Q	|			V |
16+35	9.4848	1.27	|Q	|			V |
16+40	9.4920	1.04	|Q	|			V |
16+45	9.4981	0.89	|Q	|			V |
16+50	9.5036	0.81	|Q	|			V |
16+55	9.5088	0.75	Q	|			V |
17+ 0	9.5136	0.70	Q	|			V |
17+ 5	9.5184	0.70	Q	|			V |
17+10	9.5240	0.81	|Q	|			V |
17+15	9.5307	0.97	|Q	|			V |
17+20	9.5378	1.03	|Q	|			V |
17+25	9.5451	1.06	|Q	|			V |
17+30	9.5526	1.09	|Q	|			V |
17+35	9.5602	1.10	|Q	|			V |
17+40	9.5678	1.10	|Q	|			V |
17+45	9.5754	1.11	|Q	|			V |
17+50	9.5830	1.10	|Q	|			V |
17+55	9.5901	1.04	|Q	|			V |
18+ 0	9.5968	0.96	|Q	|			V |
18+ 5	9.6032	0.93	|Q	|			V |
18+10	9.6095	0.92	|Q	|			V |
18+15	9.6157	0.91	|Q	|			V |
18+20	9.6219	0.90	|Q	|			V |
18+25	9.6281	0.90	|Q	|			V |
18+30	9.6342	0.89	|Q	|			V |
18+35	9.6403	0.88	|Q	|			V |
18+40	9.6460	0.82	|Q	|			V |
18+45	9.6511	0.74	Q	|			V |
18+50	9.6559	0.70	Q	|			V|
18+55	9.6602	0.62	Q	|			V|
19+ 0	9.6638	0.53	Q	|			V|
19+ 5	9.6673	0.51	Q	|			V|
19+10	9.6711	0.54	Q	|			V|
19+15	9.6753	0.61	Q	|			V|
19+20	9.6798	0.65	Q	|			V|
19+25	9.6847	0.72	Q	|			V|
19+30	9.6903	0.81	|Q	|			V|
19+35	9.6960	0.83	|Q	|			V|
19+40	9.7015	0.79	|Q	|			V|
19+45	9.7064	0.72	Q	|			V|
19+50	9.7112	0.69	Q	|			V|
19+55	9.7154	0.62	Q	|			V|
20+ 0	9.7191	0.53	Q	|			V|
20+ 5	9.7226	0.50	Q	|			V|
20+10	9.7263	0.54	Q	|			V|
20+15	9.7305	0.61	Q	|			V|
20+20	9.7349	0.64	Q	|			V|
20+25	9.7394	0.65	Q	|			V|
20+30	9.7439	0.66	Q	|			V|
20+35	9.7485	0.66	Q	|			V|
20+40	9.7530	0.66	Q	|			V|
20+45	9.7576	0.67	Q	|			V|
20+50	9.7621	0.66	Q	|			V|
20+55	9.7662	0.60	Q	|			V|
21+ 0	9.7698	0.52	Q	|			V|
21+ 5	9.7732	0.50	Q	|			V|
21+10	9.7770	0.54	Q	|			V|
21+15	9.7812	0.61	Q	|			V|
21+20	9.7854	0.62	Q	|			V|
21+25	9.7894	0.58	Q	|			V|
21+30	9.7929	0.51	Q	|			V|
21+35	9.7963	0.49	Q	|			V|
21+40	9.8000	0.54	Q	|			V|
21+45	9.8042	0.61	Q	|			V|
21+50	9.8085	0.62	Q	|			V|
21+55	9.8124	0.58	Q	|			V|
22+ 0	9.8159	0.51	Q	|			V|
22+ 5	9.8193	0.49	Q	|			V|
22+10	9.8230	0.54	Q	|			V|
22+15	9.8272	0.61	Q	|			V|
22+20	9.8315	0.62	Q	|			V|
22+25	9.8354	0.58	Q	|			V|
22+30	9.8389	0.51	Q	|			V|
22+35	9.8422	0.48	Q	|			V|
22+40	9.8455	0.47	Q	|			V|
22+45	9.8486	0.46	Q	|			V|
22+50	9.8517	0.45	Q	|			V|
22+55	9.8548	0.45	Q	|			V|
23+ 0	9.8579	0.45	Q	|			V|
23+ 5	9.8610	0.45	Q	|			V|
23+10	9.8640	0.45	Q	|			V|
23+15	9.8671	0.45	Q	|			V|
23+20	9.8702	0.45	Q	|			V|
23+25	9.8732	0.45	Q	|			V|
23+30	9.8763	0.45	Q	|			V|
23+35	9.8794	0.45	Q	|			V|
23+40	9.8824	0.45	Q	|			V|
23+45	9.8855	0.45	Q	|			V|
23+50	9.8886	0.45	Q	|			V|
23+55	9.8917	0.45	Q	|			V|
24+ 0	9.8947	0.45	Q	|			V|
24+ 5	9.8976	0.42	Q	|			V|
24+10	9.8997	0.31	Q	|			V|
24+15	9.9007	0.14	Q	|			V|
24+20	9.9013	0.08	Q	|			V|
24+25	9.9017	0.05	Q	|			V|
24+30	9.9019	0.03	Q	|			V|
24+35	9.9020	0.02	Q	|			V|
24+40	9.9020	0.01	Q	|			V|
24+45	9.9021	0.01	Q	|			V|
24+50	9.9021	0.00	Q	|			V|
24+55	9.9021	0.00	Q	|			V|
25+ 0	9.9021	0.00	Q	|			V|

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  11/29/23 File: MESAP4G1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4G, 100-YR
11/29/23
--------------------------------------------------------------------------
Drainage Area =       1.56(Ac.)  =      0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       1.56(Ac.)  =
0.002 Sq. Mi.
Length along longest watercourse =     352.00(Ft.)
Length along longest watercourse measured to centroid =     255.00(Ft.)
Length along longest watercourse =      0.067 Mi.
Length along longest watercourse measured to centroid =      0.048 Mi.
Difference in elevation =      74.00(Ft.)
Slope along watercourse =   1110.0000 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.025 Hr.
Lag time =     1.50 Min.
25% of lag time =     0.38 Min.
40% of lag time =     0.60 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        1.56             0.94                    1.47

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        1.56             1.97                    3.07

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.800           70.00          0.000
     0.760           65.00          0.120
 Total Area Entered =      1.56(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.513      0.186
65.0  65.0      0.416     0.120        0.371       0.487      0.181
                                                 Sum (F) =   0.366
Area averaged mean soil loss (F) (In/Hr) =  0.366
Minimum soil loss rate ((In/Hr)) =  0.183
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.840
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        332.798         61.330             0.964
    2   0.167        665.597         37.325             0.587
    3   0.250        998.395          1.345             0.021
                              Sum = 100.000   Sum=       1.572
--------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     1.30      0.307       (  0.366)      0.258        0.049
  2   0.17     1.30      0.307       (  0.366)      0.258        0.049
  3   0.25     1.10      0.260       (  0.366)      0.218        0.042
  4   0.33     1.50      0.355       (  0.366)      0.298        0.057
  5   0.42     1.50      0.355       (  0.366)      0.298        0.057
  6   0.50     1.80      0.426       (  0.366)      0.357        0.068
  7   0.58     1.50      0.355       (  0.366)      0.298        0.057
  8   0.67     1.80      0.426       (  0.366)      0.357        0.068
  9   0.75     1.80      0.426       (  0.366)      0.357        0.068
 10   0.83     1.50      0.355       (  0.366)      0.298        0.057
 11   0.92     1.60      0.378       (  0.366)      0.318        0.061
 12   1.00     1.80      0.426       (  0.366)      0.357        0.068
 13   1.08     2.20      0.520          0.366    (  0.437)      0.154
 14   1.17     2.20      0.520          0.366    (  0.437)      0.154
 15   1.25     2.20      0.520          0.366    (  0.437)      0.154
 16   1.33     2.00      0.473          0.366    (  0.397)      0.106
 17   1.42     2.60      0.615          0.366    (  0.516)      0.248
 18   1.50     2.70      0.638          0.366    (  0.536)      0.272
```

19	1.58	2.40	0.567	0.366	(0.477)	0.201
20	1.67	2.70	0.638	0.366	(0.536)	0.272
21	1.75	3.30	0.780	0.366	(0.655)	0.414
22	1.83	3.10	0.733	0.366	(0.616)	0.366
23	1.92	2.90	0.686	0.366	(0.576)	0.319
24	2.00	3.00	0.709	0.366	(0.596)	0.343
25	2.08	3.10	0.733	0.366	(0.616)	0.366
26	2.17	4.20	0.993	0.366	(0.834)	0.626
27	2.25	5.00	1.182	0.366	(0.993)	0.816
28	2.33	3.50	0.827	0.366	(0.695)	0.461
29	2.42	6.80	1.608	0.366	(1.350)	1.241
30	2.50	7.30	1.726	0.366	(1.450)	1.359
31	2.58	8.20	1.938	0.366	(1.628)	1.572
32	2.67	5.90	1.395	0.366	(1.172)	1.028
33	2.75	2.00	0.473	0.366	(0.397)	0.106
34	2.83	1.80	0.426	(0.366)	0.357	0.068
35	2.92	1.80	0.426	(0.366)	0.357	0.068
36	3.00	0.60	0.142	(0.366)	0.119	0.023

(Loss Rate Not Used)

Sum = 100.0 Sum = 11.4

Flood volume = Effective rainfall 0.95(In)
times area 1.6(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 1.02(In)
Total soil loss = 0.132(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 5397.3 Cubic Feet
Total soil loss = 5758.3 Cubic Feet

Peak flow rate of this hydrograph = 2.341(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0003	0.05	Q				
0+10	0.0009	0.08	Q				
0+15	0.0013	0.07	Q				
0+20	0.0019	0.08	Q				
0+25	0.0025	0.09	Q				
0+30	0.0032	0.10	QV				
0+35	0.0038	0.10	QV				
0+40	0.0045	0.10	QV				
0+45	0.0053	0.11	QV				
0+50	0.0059	0.10	QV				
0+55	0.0066	0.09	Q V				
1+ 0	0.0073	0.10	Q V				
1+ 5	0.0086	0.19	Q V				
1+10	0.0102	0.24	Q V				
1+15	0.0119	0.24	Q V				
1+20	0.0133	0.20	Q V				
1+25	0.0154	0.31	Q V				
1+30	0.0182	0.41	Q V				
1+35	0.0207	0.36	Q V				
1+40	0.0233	0.39	Q V				
1+45	0.0272	0.56	Q V				
1+50	0.0313	0.60	Q V				
1+55	0.0350	0.53	Q V				
2+ 0	0.0386	0.53	Q V				
2+ 5	0.0425	0.56	Q V				
2+10	0.0482	0.83	Q V				
2+15	0.0562	1.16	Q V				
2+20	0.0626	0.94	Q V				
2+25	0.0729	1.49	Q V				
2+30	0.0870	2.05	Q V				
2+35	0.1031	2.34	Q V				
2+40	0.1165	1.94	Q V				
2+45	0.1216	0.74	Q V				
2+50	0.1226	0.15	Q V				
2+55	0.1234	0.11	Q V				
3+ 0	0.1238	0.06	Q V				
3+ 5	0.1239	0.01	Q V				
3+10	0.1239	0.00	Q V				

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                U n i t   H y d r o g r a p h   A n a l y s i s

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                        Study date  11/29/23 File: MESAP4G1006100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 4G, 100-YR
11/29/23
------------------------------------------------------------------------
Drainage Area =       1.56(Ac.)  =      0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       1.56(Ac.)  =
0.002 Sq. Mi.
Length along longest watercourse =     352.00(Ft.)
Length along longest watercourse measured to centroid =     255.00(Ft.)
Length along longest watercourse =      0.067 Mi.
Length along longest watercourse measured to centroid =      0.048 Mi.
Difference in elevation =      74.00(Ft.)
Slope along watercourse =   1110.0000 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.025 Hr.
Lag time =     1.50 Min.
25% of lag time =     0.38 Min.
40% of lag time =     0.60 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        1.56             1.35                      2.11

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        1.56             2.78                      4.34

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.800           70.00          0.000
     0.760           65.00          0.120
 Total Area Entered =      1.56(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.513      0.186
65.0  65.0      0.416     0.120        0.371       0.487      0.181
                                                 Sum (F) =   0.366
Area averaged mean soil loss (F) (In/Hr) =  0.366
Minimum soil loss rate ((In/Hr)) =  0.183
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.840
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        332.798         61.330             0.964
    2   0.167        665.597         37.325             0.587
    3   0.250        998.395          1.345             0.021
                               Sum = 100.000   Sum=       1.572
------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.50      0.167       (  0.366)      0.140        0.027
  2   0.17     0.60      0.200       (  0.366)      0.168        0.032
  3   0.25     0.60      0.200       (  0.366)      0.168        0.032
  4   0.33     0.60      0.200       (  0.366)      0.168        0.032
  5   0.42     0.60      0.200       (  0.366)      0.168        0.032
  6   0.50     0.70      0.234       (  0.366)      0.196        0.037
  7   0.58     0.70      0.234       (  0.366)      0.196        0.037
  8   0.67     0.70      0.234       (  0.366)      0.196        0.037
  9   0.75     0.70      0.234       (  0.366)      0.196        0.037
 10   0.83     0.70      0.234       (  0.366)      0.196        0.037
 11   0.92     0.70      0.234       (  0.366)      0.196        0.037
 12   1.00     0.80      0.267       (  0.366)      0.224        0.043
 13   1.08     0.80      0.267       (  0.366)      0.224        0.043
 14   1.17     0.80      0.267       (  0.366)      0.224        0.043
 15   1.25     0.80      0.267       (  0.366)      0.224        0.043
 16   1.33     0.80      0.267       (  0.366)      0.224        0.043
 17   1.42     0.80      0.267       (  0.366)      0.224        0.043
 18   1.50     0.80      0.267       (  0.366)      0.224        0.043
```

19	1.58	0.80	0.267	(0.366)	0.224	0.043
20	1.67	0.80	0.267	(0.366)	0.224	0.043
21	1.75	0.80	0.267	(0.366)	0.224	0.043
22	1.83	0.80	0.267	(0.366)	0.224	0.043
23	1.92	0.80	0.267	(0.366)	0.224	0.043
24	2.00	0.90	0.300	(0.366)	0.252	0.048
25	2.08	0.80	0.267	(0.366)	0.224	0.043
26	2.17	0.90	0.300	(0.366)	0.252	0.048
27	2.25	0.90	0.300	(0.366)	0.252	0.048
28	2.33	0.90	0.300	(0.366)	0.252	0.048
29	2.42	0.90	0.300	(0.366)	0.252	0.048
30	2.50	0.90	0.300	(0.366)	0.252	0.048
31	2.58	0.90	0.300	(0.366)	0.252	0.048
32	2.67	0.90	0.300	(0.366)	0.252	0.048
33	2.75	1.00	0.334	(0.366)	0.280	0.053
34	2.83	1.00	0.334	(0.366)	0.280	0.053
35	2.92	1.00	0.334	(0.366)	0.280	0.053
36	3.00	1.00	0.334	(0.366)	0.280	0.053
37	3.08	1.00	0.334	(0.366)	0.280	0.053
38	3.17	1.10	0.367	(0.366)	0.308	0.059
39	3.25	1.10	0.367	(0.366)	0.308	0.059
40	3.33	1.10	0.367	(0.366)	0.308	0.059
41	3.42	1.20	0.400	(0.366)	0.336	0.064
42	3.50	1.30	0.434	(0.366)	0.364	0.069
43	3.58	1.40	0.467	0.366	(0.392)	0.101
44	3.67	1.40	0.467	0.366	(0.392)	0.101
45	3.75	1.50	0.500	0.366	(0.420)	0.134
46	3.83	1.50	0.500	0.366	(0.420)	0.134
47	3.92	1.60	0.534	0.366	(0.448)	0.167
48	4.00	1.60	0.534	0.366	(0.448)	0.167
49	4.08	1.70	0.567	0.366	(0.476)	0.201
50	4.17	1.80	0.600	0.366	(0.504)	0.234
51	4.25	1.90	0.634	0.366	(0.532)	0.267
52	4.33	2.00	0.667	0.366	(0.560)	0.301
53	4.42	2.10	0.701	0.366	(0.588)	0.334
54	4.50	2.10	0.701	0.366	(0.588)	0.334
55	4.58	2.20	0.734	0.366	(0.616)	0.367
56	4.67	2.30	0.767	0.366	(0.645)	0.401
57	4.75	2.40	0.801	0.366	(0.673)	0.434
58	4.83	2.40	0.801	0.366	(0.673)	0.434
59	4.92	2.50	0.834	0.366	(0.701)	0.468
60	5.00	2.60	0.867	0.366	(0.729)	0.501
61	5.08	3.10	1.034	0.366	(0.869)	0.668
62	5.17	3.60	1.201	0.366	(1.009)	0.835
63	5.25	3.90	1.301	0.366	(1.093)	0.935
64	5.33	4.20	1.401	0.366	(1.177)	1.035
65	5.42	4.70	1.568	0.366	(1.317)	1.201
66	5.50	5.60	1.868	0.366	(1.569)	1.502
67	5.58	1.90	0.634	0.366	(0.532)	0.267
68	5.67	0.90	0.300	(0.366)	0.252	0.048
69	5.75	0.60	0.200	(0.366)	0.168	0.032
70	5.83	0.50	0.167	(0.366)	0.140	0.027
71	5.92	0.30	0.100	(0.366)	0.084	0.016
72	6.00	0.20	0.067	(0.366)	0.056	0.011

(Loss Rate Not Used)

Sum = 100.0 Sum = 13.6

Flood volume = Effective rainfall 1.13(In)
times area 1.6(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 1.65(In)
Total soil loss = 0.215(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 6394.7 Cubic Feet
Total soil loss = 9347.8 Cubic Feet

Peak flow rate of this hydrograph = 2.176(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q	|	|	|	|
0+10	0.0005	0.05	Q	|	|	|	|
0+15	0.0008	0.05	Q	|	|	|	|
0+20	0.0012	0.05	Q	|	|	|	|
0+25	0.0015	0.05	Q	|	|	|	|
0+30	0.0019	0.06	Q	|	|	|	|
0+35	0.0023	0.06	Q	|	|	|	|
0+40	0.0027	0.06	Q	|	|	|	|
0+45	0.0031	0.06	Q	|	|	|	|
0+50	0.0035	0.06	Q	|	|	|	|
0+55	0.0039	0.06	QV	|	|	|	|
1+ 0	0.0044	0.06	QV	|	|	|	|
1+ 5	0.0048	0.07	QV	|	|	|	|
1+10	0.0053	0.07	QV	|	|	|	|
1+15	0.0058	0.07	QV	|	|	|	|
1+20	0.0062	0.07	QV	|	|	|	|
1+25	0.0067	0.07	QV	|	|	|	|
1+30	0.0072	0.07	QV	|	|	|	|
1+35	0.0076	0.07	Q V	|	|	|	|
1+40	0.0081	0.07	Q V	|	|	|	|
1+45	0.0085	0.07	Q V	|	|	|	|
1+50	0.0090	0.07	Q V	|	|	|	|
1+55	0.0095	0.07	Q V	|	|	|	|
2+ 0	0.0100	0.07	Q V	|	|	|	|
2+ 5	0.0105	0.07	Q V	|	|	|	|
2+10	0.0110	0.07	Q V	|	|	|	|
2+15	0.0115	0.08	Q V	|	|	|	|
2+20	0.0120	0.08	Q V	|	|	|	|
2+25	0.0125	0.08	Q V	|	|	|	|
2+30	0.0130	0.08	Q V	|	|	|	|
2+35	0.0136	0.08	Q V	|	|	|	|
2+40	0.0141	0.08	Q V	|	|	|	|
2+45	0.0146	0.08	Q V	|	|	|	|
2+50	0.0152	0.08	Q V	|	|	|	|
2+55	0.0158	0.08	Q V	|	|	|	|
3+ 0	0.0164	0.08	Q V	|	|	|	|
3+ 5	0.0169	0.08	Q V	|	|	|	|
3+10	0.0176	0.09	Q V	|	|	|	|
3+15	0.0182	0.09	Q V	|	|	|	|
3+20	0.0188	0.09	Q V	|	|	|	|
3+25	0.0195	0.10	Q V	|	|	|	|
3+30	0.0202	0.11	Q V	|	|	|	|
3+35	0.0212	0.14	Q V	|	|	|	|
3+40	0.0223	0.16	Q V	|	|	|	|
3+45	0.0236	0.19	Q V	|	|	|	|
3+50	0.0250	0.21	Q V	|	|	|	|
3+55	0.0267	0.24	Q V	|	|	|	|
4+ 0	0.0285	0.26	|Q V	|	|	|	|
4+ 5	0.0305	0.30	|Q V	|	|	|	|

```
   4+10       0.0329      0.35  |Q      V |         |         |         |
   4+15       0.0357      0.40  |Q       V|         |         |         |
   4+20       0.0388      0.45  |Q        V         |         |         |
   4+25       0.0423      0.50  | Q       |V        |         |         |
   4+30       0.0459      0.52  | Q       | V       |         |         |
   4+35       0.0497      0.56  | Q       |  V      |         |         |
   4+40       0.0539      0.61  | Q       |   V     |         |         |
   4+45       0.0585      0.66  | Q       |    V    |         |         |
   4+50       0.0632      0.68  | Q       |     V   |         |         |
   4+55       0.0681      0.72  | Q       |      V  |         |         |
   5+ 0       0.0734      0.77  |  Q      |       V |         |         |
   5+ 5       0.0799      0.95  |  Q      |         |V        |         |
   5+10       0.0882      1.21  |   Q     |         |   V     |         |
   5+15       0.0979      1.41  |    Q    |         |     V   |         |
   5+20       0.1087      1.56  |     Q   |         |         V|        |
   5+25       0.1210      1.79  |      Q  |         |         | V       |
   5+30       0.1360      2.18  |       Q |         |         |      V  |
   5+35       0.1440      1.17  |   Q     |         |         |       V|
   5+40       0.1456      0.24  Q         |         |         |        V|
   5+45       0.1461      0.06  Q         |         |         |        V|
   5+50       0.1464      0.05  Q         |         |         |        V|
   5+55       0.1466      0.03  Q         |         |         |        V|
   6+ 0       0.1468      0.02  Q         |         |         |        V|
   6+ 5       0.1468      0.01  Q         |         |         |        V|
   6+10       0.1468      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
```

```
                U n i t   H y d r o g r a p h   A n a l y s i s

                Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                        Study date  11/29/23 File: MESAP4G10024100.out


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        ----------------------------------------------------------------------

        Riverside County Synthetic Unit Hydrology Method
        RCFC & WCD Manual date - April 1978


        Program License Serial Number 6406

        ----------------------------------------------------------------------
         English (in-lb) Input Units Used
         English Rainfall Data (Inches) Input Values Used

         English Units used in output format



        ----------------------------------------------------------------------
        MESA VERDE ESTATES
        PROPOSED CONDITION
        AREA 4G, 100-YR
        11/29/23
        ----------------------------------------------------------------------
        Drainage Area =       1.56(Ac.)  =      0.002 Sq. Mi.
        Drainage Area for Depth-Area Areal Adjustment =       1.56(Ac.)  =
0.002 Sq. Mi.
        Length along longest watercourse =     352.00(Ft.)
        Length along longest watercourse measured to centroid =     255.00(Ft.)
        Length along longest watercourse =      0.067 Mi.
        Length along longest watercourse measured to centroid =      0.048 Mi.
        Difference in elevation =      74.00(Ft.)
        Slope along watercourse =   1110.0000 Ft./Mi.
        Average Manning's 'N' = 0.035
        Lag time =    0.025 Hr.
        Lag time =     1.50 Min.
        25% of lag time =     0.38 Min.
        40% of lag time =     0.60 Min.
        Unit time =     5.00 Min.
        Duration of storm = 24 Hour(s)
        User Entered Base Flow =     0.00(CFS)

        2 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
                1.56             2.45                      3.82

        100 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
                1.56             6.08                      9.48

        STORM EVENT (YEAR) =  100.00
        Area Averaged 2-Year Rainfall =    2.450(In)

        Area Averaged 100-Year Rainfall =    6.080(In)

        Point rain (area averaged) =    6.080(In)
        Areal adjustment factor =  100.00 %
        Adjusted average point rain =    6.080(In)

        Sub-Area Data:
        Area(Ac.)         Runoff Index   Impervious %
             0.800           70.00          0.000
             0.760           65.00          0.120
         Total Area Entered =      1.56(Ac.)


        RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
        AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
        70.0  70.0      0.362     0.000        0.362       0.513      0.186
        65.0  65.0      0.416     0.120        0.371       0.487      0.181
                                                        Sum (F) =   0.366
        Area averaged mean soil loss (F) (In/Hr) =  0.366
        Minimum soil loss rate ((In/Hr)) =  0.183
        (for 24 hour storm duration)
        Soil low loss rate (decimal) =   0.840
        ----------------------------------------------------------------------

                        U n i t  H y d r o g r a p h
                               FOOTHILL S-Curve
        ----------------------------------------------------------------------
                        Unit Hydrograph Data
        ----------------------------------------------------------------------
        Unit time period   Time % of lag   Distribution   Unit Hydrograph
            (hrs)                           Graph %           (CFS)
        ----------------------------------------------------------------------
            1   0.083        332.798         61.330              0.964
            2   0.167        665.597         37.325              0.587
            3   0.250        998.395          1.345              0.021
                                      Sum = 100.000   Sum=       1.572
----------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.650)       0.041        0.008
  2   0.17     0.07      0.049       (  0.647)       0.041        0.008
  3   0.25     0.07      0.049       (  0.645)       0.041        0.008
  4   0.33     0.10      0.073       (  0.642)       0.061        0.012
  5   0.42     0.10      0.073       (  0.640)       0.061        0.012
  6   0.50     0.10      0.073       (  0.637)       0.061        0.012
  7   0.58     0.10      0.073       (  0.635)       0.061        0.012
  8   0.67     0.10      0.073       (  0.632)       0.061        0.012
  9   0.75     0.10      0.073       (  0.630)       0.061        0.012
 10   0.83     0.13      0.097       (  0.627)       0.082        0.016
 11   0.92     0.13      0.097       (  0.625)       0.082        0.016
 12   1.00     0.13      0.097       (  0.622)       0.082        0.016
 13   1.08     0.10      0.073       (  0.620)       0.061        0.012
 14   1.17     0.10      0.073       (  0.617)       0.061        0.012
 15   1.25     0.10      0.073       (  0.615)       0.061        0.012
 16   1.33     0.10      0.073       (  0.612)       0.061        0.012
 17   1.42     0.10      0.073       (  0.610)       0.061        0.012
 18   1.50     0.10      0.073       (  0.608)       0.061        0.012
```

19	1.58	0.10	0.073	(0.605)	0.061	0.012
20	1.67	0.10	0.073	(0.603)	0.061	0.012
21	1.75	0.10	0.073	(0.600)	0.061	0.012
22	1.83	0.13	0.097	(0.598)	0.082	0.016
23	1.92	0.13	0.097	(0.595)	0.082	0.016
24	2.00	0.13	0.097	(0.593)	0.082	0.016
25	2.08	0.13	0.097	(0.591)	0.082	0.016
26	2.17	0.13	0.097	(0.588)	0.082	0.016
27	2.25	0.13	0.097	(0.586)	0.082	0.016
28	2.33	0.13	0.097	(0.583)	0.082	0.016
29	2.42	0.13	0.097	(0.581)	0.082	0.016
30	2.50	0.13	0.097	(0.579)	0.082	0.016
31	2.58	0.17	0.122	(0.576)	0.102	0.019
32	2.67	0.17	0.122	(0.574)	0.102	0.019
33	2.75	0.17	0.122	(0.572)	0.102	0.019
34	2.83	0.17	0.122	(0.569)	0.102	0.019
35	2.92	0.17	0.122	(0.567)	0.102	0.019
36	3.00	0.17	0.122	(0.565)	0.102	0.019
37	3.08	0.17	0.122	(0.562)	0.102	0.019
38	3.17	0.17	0.122	(0.560)	0.102	0.019
39	3.25	0.17	0.122	(0.558)	0.102	0.019
40	3.33	0.17	0.122	(0.555)	0.102	0.019
41	3.42	0.17	0.122	(0.553)	0.102	0.019
42	3.50	0.17	0.122	(0.551)	0.102	0.019
43	3.58	0.17	0.122	(0.548)	0.102	0.019
44	3.67	0.17	0.122	(0.546)	0.102	0.019
45	3.75	0.17	0.122	(0.544)	0.102	0.019
46	3.83	0.20	0.146	(0.541)	0.123	0.023
47	3.92	0.20	0.146	(0.539)	0.123	0.023
48	4.00	0.20	0.146	(0.537)	0.123	0.023
49	4.08	0.20	0.146	(0.535)	0.123	0.023
50	4.17	0.20	0.146	(0.532)	0.123	0.023
51	4.25	0.20	0.146	(0.530)	0.123	0.023
52	4.33	0.23	0.170	(0.528)	0.143	0.027
53	4.42	0.23	0.170	(0.526)	0.143	0.027
54	4.50	0.23	0.170	(0.523)	0.143	0.027
55	4.58	0.23	0.170	(0.521)	0.143	0.027
56	4.67	0.23	0.170	(0.519)	0.143	0.027
57	4.75	0.23	0.170	(0.517)	0.143	0.027
58	4.83	0.27	0.195	(0.514)	0.163	0.031
59	4.92	0.27	0.195	(0.512)	0.163	0.031
60	5.00	0.27	0.195	(0.510)	0.163	0.031
61	5.08	0.20	0.146	(0.508)	0.123	0.023
62	5.17	0.20	0.146	(0.505)	0.123	0.023
63	5.25	0.20	0.146	(0.503)	0.123	0.023
64	5.33	0.23	0.170	(0.501)	0.143	0.027
65	5.42	0.23	0.170	(0.499)	0.143	0.027
66	5.50	0.23	0.170	(0.497)	0.143	0.027
67	5.58	0.27	0.195	(0.494)	0.163	0.031
68	5.67	0.27	0.195	(0.492)	0.163	0.031
69	5.75	0.27	0.195	(0.490)	0.163	0.031
70	5.83	0.27	0.195	(0.488)	0.163	0.031
71	5.92	0.27	0.195	(0.486)	0.163	0.031
72	6.00	0.27	0.195	(0.484)	0.163	0.031
73	6.08	0.30	0.219	(0.482)	0.184	0.035
74	6.17	0.30	0.219	(0.479)	0.184	0.035
75	6.25	0.30	0.219	(0.477)	0.184	0.035
76	6.33	0.30	0.219	(0.475)	0.184	0.035
77	6.42	0.30	0.219	(0.473)	0.184	0.035
78	6.50	0.30	0.219	(0.471)	0.184	0.035
79	6.58	0.33	0.243	(0.469)	0.204	0.039
80	6.67	0.33	0.243	(0.467)	0.204	0.039
81	6.75	0.33	0.243	(0.465)	0.204	0.039
82	6.83	0.33	0.243	(0.462)	0.204	0.039
83	6.92	0.33	0.243	(0.460)	0.204	0.039
84	7.00	0.33	0.243	(0.458)	0.204	0.039
85	7.08	0.33	0.243	(0.456)	0.204	0.039
86	7.17	0.33	0.243	(0.454)	0.204	0.039
87	7.25	0.33	0.243	(0.452)	0.204	0.039
88	7.33	0.37	0.268	(0.450)	0.225	0.043
89	7.42	0.37	0.268	(0.448)	0.225	0.043
90	7.50	0.37	0.268	(0.446)	0.225	0.043
91	7.58	0.40	0.292	(0.444)	0.245	0.047
92	7.67	0.40	0.292	(0.442)	0.245	0.047
93	7.75	0.40	0.292	(0.440)	0.245	0.047
94	7.83	0.43	0.316	(0.438)	0.266	0.051
95	7.92	0.43	0.316	(0.436)	0.266	0.051
96	8.00	0.43	0.316	(0.434)	0.266	0.051
97	8.08	0.50	0.365	(0.432)	0.306	0.058
98	8.17	0.50	0.365	(0.430)	0.306	0.058
99	8.25	0.50	0.365	(0.428)	0.306	0.058
100	8.33	0.50	0.365	(0.426)	0.306	0.058
101	8.42	0.50	0.365	(0.424)	0.306	0.058
102	8.50	0.50	0.365	(0.422)	0.306	0.058
103	8.58	0.53	0.389	(0.420)	0.327	0.062
104	8.67	0.53	0.389	(0.418)	0.327	0.062
105	8.75	0.53	0.389	(0.416)	0.327	0.062
106	8.83	0.57	0.413	(0.414)	0.347	0.066
107	8.92	0.57	0.413	(0.412)	0.347	0.066
108	9.00	0.57	0.413	(0.410)	0.347	0.066
109	9.08	0.63	0.462	(0.408)	0.388	0.074
110	9.17	0.63	0.462	(0.406)	0.388	0.074
111	9.25	0.63	0.462	(0.404)	0.388	0.074
112	9.33	0.67	0.486	0.402	(0.409)	0.084
113	9.42	0.67	0.486	0.400	(0.409)	0.086
114	9.50	0.67	0.486	0.398	(0.409)	0.088
115	9.58	0.70	0.511	0.396	(0.429)	0.114
116	9.67	0.70	0.511	0.394	(0.429)	0.116
117	9.75	0.70	0.511	0.393	(0.429)	0.118
118	9.83	0.73	0.535	0.391	(0.449)	0.144
119	9.92	0.73	0.535	0.389	(0.449)	0.146
120	10.00	0.73	0.535	0.387	(0.449)	0.148
121	10.08	0.50	0.365	(0.385)	0.306	0.058
122	10.17	0.50	0.365	(0.383)	0.306	0.058
123	10.25	0.50	0.365	(0.381)	0.306	0.058
124	10.33	0.50	0.365	(0.379)	0.306	0.058
125	10.42	0.50	0.365	(0.378)	0.306	0.058
126	10.50	0.50	0.365	(0.376)	0.306	0.058
127	10.58	0.67	0.486	0.374	(0.409)	0.112
128	10.67	0.67	0.486	0.372	(0.409)	0.114
129	10.75	0.67	0.486	0.370	(0.409)	0.116
130	10.83	0.67	0.486	0.369	(0.409)	0.118
131	10.92	0.67	0.486	0.367	(0.409)	0.120
132	11.00	0.67	0.486	0.365	(0.409)	0.122
133	11.08	0.63	0.462	0.363	(0.388)	0.099
134	11.17	0.63	0.462	0.361	(0.388)	0.101
135	11.25	0.63	0.462	0.360	(0.388)	0.103
136	11.33	0.63	0.462	0.358	(0.388)	0.104
137	11.42	0.63	0.462	0.356	(0.388)	0.106
138	11.50	0.63	0.462	0.354	(0.388)	0.108
139	11.58	0.57	0.413	(0.352)	0.347	0.066
140	11.67	0.57	0.413	(0.351)	0.347	0.066
141	11.75	0.57	0.413	(0.349)	0.347	0.066
142	11.83	0.60	0.438	0.347	(0.368)	0.091

143	11.92	0.60	0.438	0.345	(0.368)	0.092
144	12.00	0.60	0.438	0.344	(0.368)	0.094
145	12.08	0.83	0.608	0.342	(0.511)	0.266
146	12.17	0.83	0.608	0.340	(0.511)	0.268
147	12.25	0.83	0.608	0.339	(0.511)	0.269
148	12.33	0.87	0.632	0.337	(0.531)	0.295
149	12.42	0.87	0.632	0.335	(0.531)	0.297
150	12.50	0.87	0.632	0.334	(0.531)	0.299
151	12.58	0.93	0.681	0.332	(0.572)	0.349
152	12.67	0.93	0.681	0.330	(0.572)	0.351
153	12.75	0.93	0.681	0.329	(0.572)	0.352
154	12.83	0.97	0.705	0.327	(0.592)	0.378
155	12.92	0.97	0.705	0.325	(0.592)	0.380
156	13.00	0.97	0.705	0.324	(0.592)	0.382
157	13.08	1.13	0.827	0.322	(0.695)	0.505
158	13.17	1.13	0.827	0.320	(0.695)	0.507
159	13.25	1.13	0.827	0.319	(0.695)	0.508
160	13.33	1.13	0.827	0.317	(0.695)	0.510
161	13.42	1.13	0.827	0.315	(0.695)	0.511
162	13.50	1.13	0.827	0.314	(0.695)	0.513
163	13.58	0.77	0.559	0.312	(0.470)	0.247
164	13.67	0.77	0.559	0.311	(0.470)	0.249
165	13.75	0.77	0.559	0.309	(0.470)	0.250
166	13.83	0.77	0.559	0.307	(0.470)	0.252
167	13.92	0.77	0.559	0.306	(0.470)	0.253
168	14.00	0.77	0.559	0.304	(0.470)	0.255
169	14.08	0.90	0.657	0.303	(0.552)	0.354
170	14.17	0.90	0.657	0.301	(0.552)	0.355
171	14.25	0.90	0.657	0.300	(0.552)	0.357
172	14.33	0.87	0.632	0.298	(0.531)	0.334
173	14.42	0.87	0.632	0.297	(0.531)	0.336
174	14.50	0.87	0.632	0.295	(0.531)	0.337
175	14.58	0.87	0.632	0.294	(0.531)	0.339
176	14.67	0.87	0.632	0.292	(0.531)	0.340
177	14.75	0.87	0.632	0.291	(0.531)	0.342
178	14.83	0.83	0.608	0.289	(0.511)	0.319
179	14.92	0.83	0.608	0.288	(0.511)	0.320
180	15.00	0.83	0.608	0.286	(0.511)	0.322
181	15.08	0.80	0.584	0.285	(0.490)	0.299
182	15.17	0.80	0.584	0.283	(0.490)	0.300
183	15.25	0.80	0.584	0.282	(0.490)	0.302
184	15.33	0.77	0.559	0.280	(0.470)	0.279
185	15.42	0.77	0.559	0.279	(0.470)	0.280
186	15.50	0.77	0.559	0.277	(0.470)	0.282
187	15.58	0.63	0.462	0.276	(0.388)	0.186
188	15.67	0.63	0.462	0.275	(0.388)	0.187
189	15.75	0.63	0.462	0.273	(0.388)	0.189
190	15.83	0.63	0.462	0.272	(0.388)	0.190
191	15.92	0.63	0.462	0.270	(0.388)	0.192
192	16.00	0.63	0.462	0.269	(0.388)	0.193
193	16.08	0.13	0.097	(0.268)	0.082	0.016
194	16.17	0.13	0.097	(0.266)	0.082	0.016
195	16.25	0.13	0.097	(0.265)	0.082	0.016
196	16.33	0.13	0.097	(0.264)	0.082	0.016
197	16.42	0.13	0.097	(0.262)	0.082	0.016
198	16.50	0.13	0.097	(0.261)	0.082	0.016
199	16.58	0.10	0.073	(0.260)	0.061	0.012
200	16.67	0.10	0.073	(0.258)	0.061	0.012
201	16.75	0.10	0.073	(0.257)	0.061	0.012
202	16.83	0.10	0.073	(0.256)	0.061	0.012
203	16.92	0.10	0.073	(0.254)	0.061	0.012
204	17.00	0.10	0.073	(0.253)	0.061	0.012
205	17.08	0.17	0.122	(0.252)	0.102	0.019
206	17.17	0.17	0.122	(0.251)	0.102	0.019
207	17.25	0.17	0.122	(0.249)	0.102	0.019
208	17.33	0.17	0.122	(0.248)	0.102	0.019
209	17.42	0.17	0.122	(0.247)	0.102	0.019
210	17.50	0.17	0.122	(0.246)	0.102	0.019
211	17.58	0.17	0.122	(0.244)	0.102	0.019
212	17.67	0.17	0.122	(0.243)	0.102	0.019
213	17.75	0.17	0.122	(0.242)	0.102	0.019
214	17.83	0.13	0.097	(0.241)	0.082	0.016
215	17.92	0.13	0.097	(0.240)	0.082	0.016
216	18.00	0.13	0.097	(0.238)	0.082	0.016
217	18.08	0.13	0.097	(0.237)	0.082	0.016
218	18.17	0.13	0.097	(0.236)	0.082	0.016
219	18.25	0.13	0.097	(0.235)	0.082	0.016
220	18.33	0.13	0.097	(0.234)	0.082	0.016
221	18.42	0.13	0.097	(0.233)	0.082	0.016
222	18.50	0.13	0.097	(0.231)	0.082	0.016
223	18.58	0.10	0.073	(0.230)	0.061	0.012
224	18.67	0.10	0.073	(0.229)	0.061	0.012
225	18.75	0.10	0.073	(0.228)	0.061	0.012
226	18.83	0.07	0.049	(0.227)	0.041	0.008
227	18.92	0.07	0.049	(0.226)	0.041	0.008
228	19.00	0.07	0.049	(0.225)	0.041	0.008
229	19.08	0.10	0.073	(0.224)	0.061	0.012
230	19.17	0.10	0.073	(0.223)	0.061	0.012
231	19.25	0.10	0.073	(0.222)	0.061	0.012
232	19.33	0.13	0.097	(0.221)	0.082	0.016
233	19.42	0.13	0.097	(0.220)	0.082	0.016
234	19.50	0.13	0.097	(0.219)	0.082	0.016
235	19.58	0.10	0.073	(0.218)	0.061	0.012
236	19.67	0.10	0.073	(0.217)	0.061	0.012
237	19.75	0.10	0.073	(0.216)	0.061	0.012
238	19.83	0.07	0.049	(0.215)	0.041	0.008
239	19.92	0.07	0.049	(0.214)	0.041	0.008
240	20.00	0.07	0.049	(0.213)	0.041	0.008
241	20.08	0.10	0.073	(0.212)	0.061	0.012
242	20.17	0.10	0.073	(0.211)	0.061	0.012
243	20.25	0.10	0.073	(0.210)	0.061	0.012
244	20.33	0.10	0.073	(0.209)	0.061	0.012
245	20.42	0.10	0.073	(0.208)	0.061	0.012
246	20.50	0.10	0.073	(0.207)	0.061	0.012
247	20.58	0.10	0.073	(0.206)	0.061	0.012
248	20.67	0.10	0.073	(0.206)	0.061	0.012
249	20.75	0.10	0.073	(0.205)	0.061	0.012
250	20.83	0.07	0.049	(0.204)	0.041	0.008
251	20.92	0.07	0.049	(0.203)	0.041	0.008
252	21.00	0.07	0.049	(0.202)	0.041	0.008
253	21.08	0.10	0.073	(0.201)	0.061	0.012
254	21.17	0.10	0.073	(0.201)	0.061	0.012
255	21.25	0.10	0.073	(0.200)	0.061	0.012
256	21.33	0.07	0.049	(0.199)	0.041	0.008
257	21.42	0.07	0.049	(0.198)	0.041	0.008
258	21.50	0.07	0.049	(0.198)	0.041	0.008
259	21.58	0.10	0.073	(0.197)	0.061	0.012
260	21.67	0.10	0.073	(0.196)	0.061	0.012
261	21.75	0.10	0.073	(0.195)	0.061	0.012
262	21.83	0.07	0.049	(0.195)	0.041	0.008
263	21.92	0.07	0.049	(0.194)	0.041	0.008
264	22.00	0.07	0.049	(0.193)	0.041	0.008
265	22.08	0.10	0.073	(0.193)	0.061	0.012
266	22.17	0.10	0.073	(0.192)	0.061	0.012

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267  22.25     0.10      0.073       (  0.192)       0.061        0.012
268  22.33     0.07      0.049       (  0.191)       0.041        0.008
269  22.42     0.07      0.049       (  0.190)       0.041        0.008
270  22.50     0.07      0.049       (  0.190)       0.041        0.008
271  22.58     0.07      0.049       (  0.189)       0.041        0.008
272  22.67     0.07      0.049       (  0.189)       0.041        0.008
273  22.75     0.07      0.049       (  0.188)       0.041        0.008
274  22.83     0.07      0.049       (  0.188)       0.041        0.008
275  22.92     0.07      0.049       (  0.187)       0.041        0.008
276  23.00     0.07      0.049       (  0.187)       0.041        0.008
277  23.08     0.07      0.049       (  0.186)       0.041        0.008
278  23.17     0.07      0.049       (  0.186)       0.041        0.008
279  23.25     0.07      0.049       (  0.186)       0.041        0.008
280  23.33     0.07      0.049       (  0.185)       0.041        0.008
281  23.42     0.07      0.049       (  0.185)       0.041        0.008
282  23.50     0.07      0.049       (  0.185)       0.041        0.008
283  23.58     0.07      0.049       (  0.184)       0.041        0.008
284  23.67     0.07      0.049       (  0.184)       0.041        0.008
285  23.75     0.07      0.049       (  0.184)       0.041        0.008
286  23.83     0.07      0.049       (  0.184)       0.041        0.008
287  23.92     0.07      0.049       (  0.183)       0.041        0.008
288  24.00     0.07      0.049       (  0.183)       0.041        0.008
            (Loss Rate Not Used)
    Sum =     100.0                                 Sum =    23.0
       Flood volume = Effective rainfall     1.92(In)
        times area       1.6(Ac.)/[(In)/(Ft.)] =       0.2(Ac.Ft)
       Total soil loss =      4.16(In)
       Total soil loss =     0.541(Ac.Ft)
       Total rainfall =      6.08(In)
       Flood volume =       10875.4 Cubic Feet
       Total soil loss =       23554.3 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =      0.806(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ---------------------------------------------------------------------------
   0+ 5       0.0001      0.01  Q         |         |         |         |
   0+10       0.0001      0.01  Q         |         |         |         |
   0+15       0.0002      0.01  Q         |         |         |         |
   0+20       0.0003      0.02  Q         |         |         |         |
   0+25       0.0005      0.02  Q         |         |         |         |
   0+30       0.0006      0.02  Q         |         |         |         |
   0+35       0.0007      0.02  Q         |         |         |         |
   0+40       0.0008      0.02  Q         |         |         |         |
   0+45       0.0010      0.02  Q         |         |         |         |
   0+50       0.0011      0.02  Q         |         |         |         |
   0+55       0.0013      0.02  Q         |         |         |         |
   1+ 0       0.0015      0.02  Q         |         |         |         |
   1+ 5       0.0016      0.02  Q         |         |         |         |
   1+10       0.0017      0.02  Q         |         |         |         |
   1+15       0.0018      0.02  Q         |         |         |         |
   1+20       0.0020      0.02  Q         |         |         |         |
   1+25       0.0021      0.02  Q         |         |         |         |
   1+30       0.0022      0.02  Q         |         |         |         |
   1+35       0.0024      0.02  Q         |         |         |         |
   1+40       0.0025      0.02  Q         |         |         |         |
   1+45       0.0026      0.02  Q         |         |         |         |
   1+50       0.0028      0.02  Q         |         |         |         |
   1+55       0.0029      0.02  Q         |         |         |         |
   2+ 0       0.0031      0.02  Q         |         |         |         |
   2+ 5       0.0033      0.02  Q         |         |         |         |
   2+10       0.0034      0.02  Q         |         |         |         |
   2+15       0.0036      0.02  Q         |         |         |         |
   2+20       0.0038      0.02  Q         |         |         |         |
   2+25       0.0039      0.02  Q         |         |         |         |
   2+30       0.0041      0.02  Q         |         |         |         |
   2+35       0.0043      0.03  Q         |         |         |         |
   2+40       0.0045      0.03  Q         |         |         |         |
   2+45       0.0047      0.03  Q         |         |         |         |
   2+50       0.0049      0.03  Q         |         |         |         |
   2+55       0.0051      0.03  Q         |         |         |         |
   3+ 0       0.0054      0.03  Q         |         |         |         |
   3+ 5       0.0056      0.03  Q         |         |         |         |
   3+10       0.0058      0.03  Q         |         |         |         |
   3+15       0.0060      0.03  Q         |         |         |         |
   3+20       0.0062      0.03  Q         |         |         |         |
   3+25       0.0064      0.03  QV        |         |         |         |
   3+30       0.0066      0.03  QV        |         |         |         |
   3+35       0.0068      0.03  QV        |         |         |         |
   3+40       0.0070      0.03  QV        |         |         |         |
   3+45       0.0073      0.03  QV        |         |         |         |
   3+50       0.0075      0.03  QV        |         |         |         |
   3+55       0.0077      0.04  QV        |         |         |         |
   4+ 0       0.0080      0.04  QV        |         |         |         |
   4+ 5       0.0082      0.04  QV        |         |         |         |
   4+10       0.0085      0.04  QV        |         |         |         |
   4+15       0.0088      0.04  QV        |         |         |         |
   4+20       0.0090      0.04  QV        |         |         |         |
   4+25       0.0093      0.04  QV        |         |         |         |
   4+30       0.0096      0.04  QV        |         |         |         |
   4+35       0.0099      0.04  QV        |         |         |         |
   4+40       0.0102      0.04  QV        |         |         |         |
   4+45       0.0105      0.04  QV        |         |         |         |
   4+50       0.0108      0.05  QV        |         |         |         |
   4+55       0.0112      0.05  QV        |         |         |         |
   5+ 0       0.0115      0.05  QV        |         |         |         |
   5+ 5       0.0118      0.04  QV        |         |         |         |
   5+10       0.0120      0.04  QV        |         |         |         |
   5+15       0.0123      0.04  QV        |         |         |         |
   5+20       0.0126      0.04  Q V       |         |         |         |
   5+25       0.0129      0.04  Q V       |         |         |         |
   5+30       0.0132      0.04  Q V       |         |         |         |
   5+35       0.0135      0.05  Q V       |         |         |         |
   5+40       0.0138      0.05  Q V       |         |         |         |
   5+45       0.0142      0.05  Q V       |         |         |         |
   5+50       0.0145      0.05  Q V       |         |         |         |
   5+55       0.0148      0.05  Q V       |         |         |         |
   6+ 0       0.0152      0.05  Q V       |         |         |         |
   6+ 5       0.0155      0.05  Q V       |         |         |         |
   6+10       0.0159      0.06  Q V       |         |         |         |
   6+15       0.0163      0.06  Q V       |         |         |         |
   6+20       0.0167      0.06  Q V       |         |         |         |
   6+25       0.0170      0.06  Q V       |         |         |         |
   6+30       0.0174      0.06  Q V       |         |         |         |
   6+35       0.0178      0.06  Q V       |         |         |         |
   6+40       0.0183      0.06  Q V       |         |         |         |
   6+45       0.0187      0.06  Q V       |         |         |         |
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  6+50      0.0191      0.06  Q  V      |         |         |         |
  6+55      0.0195      0.06  Q  V      |         |         |         |
  7+ 0      0.0199      0.06  Q  V      |         |         |         |
  7+ 5      0.0204      0.06  Q  V      |         |         |         |
  7+10      0.0208      0.06  Q  V      |         |         |         |
  7+15      0.0212      0.06  Q  V      |         |         |         |
  7+20      0.0217      0.06  Q  V      |         |         |         |
  7+25      0.0221      0.07  Q  V      |         |         |         |
  7+30      0.0226      0.07  Q  V      |         |         |         |
  7+35      0.0231      0.07  Q  V      |         |         |         |
  7+40      0.0236      0.07  Q  V      |         |         |         |
  7+45      0.0241      0.07  Q  V      |         |         |         |
  7+50      0.0246      0.08  Q  V      |         |         |         |
  7+55      0.0252      0.08  Q   V     |         |         |         |
  8+ 0      0.0257      0.08  Q   V     |         |         |         |
  8+ 5      0.0263      0.09  Q   V     |         |         |         |
  8+10      0.0269      0.09  Q   V     |         |         |         |
  8+15      0.0276      0.09  Q   V     |         |         |         |
  8+20      0.0282      0.09  Q   V     |         |         |         |
  8+25      0.0288      0.09  Q   V     |         |         |         |
  8+30      0.0295      0.09  Q   V     |         |         |         |
  8+35      0.0301      0.10  Q   V     |         |         |         |
  8+40      0.0308      0.10  Q   V     |         |         |         |
  8+45      0.0315      0.10  Q    V    |         |         |         |
  8+50      0.0322      0.10  Q    V    |         |         |         |
  8+55      0.0329      0.10  Q    V    |         |         |         |
  9+ 0      0.0336      0.10  Q    V    |         |         |         |
  9+ 5      0.0344      0.11  Q    V    |         |         |         |
  9+10      0.0352      0.12  Q    V    |         |         |         |
  9+15      0.0360      0.12  Q    V    |         |         |         |
  9+20      0.0368      0.13  Q    V    |         |         |         |
  9+25      0.0378      0.13  Q     V   |         |         |         |
  9+30      0.0387      0.14  Q     V   |         |         |         |
  9+35      0.0398      0.16  Q     V   |         |         |         |
  9+40      0.0411      0.18  Q     V   |         |         |         |
  9+45      0.0424      0.18  Q     V   |         |         |         |
  9+50      0.0438      0.21  Q      V  |         |         |         |
  9+55      0.0454      0.23  Q      V  |         |         |         |
 10+ 0      0.0470      0.23  Q      V  |         |         |         |
 10+ 5      0.0480      0.15  Q      V  |         |         |         |
 10+10      0.0486      0.09  Q      V  |         |         |         |
 10+15      0.0493      0.09  Q      V  |         |         |         |
 10+20      0.0499      0.09  Q      V  |         |         |         |
 10+25      0.0505      0.09  Q       V |         |         |         |
 10+30      0.0512      0.09  Q       V |         |         |         |
 10+35      0.0522      0.14  Q       V |         |         |         |
 10+40      0.0534      0.18  Q       V |         |         |         |
 10+45      0.0546      0.18  Q       V |         |         |         |
 10+50      0.0559      0.18  Q       V |         |         |         |
 10+55      0.0572      0.19  Q        V|         |         |         |
 11+ 0      0.0585      0.19  Q        V|         |         |         |
 11+ 5      0.0597      0.17  Q        V|         |         |         |
 11+10      0.0608      0.16  Q        V|         |         |         |
 11+15      0.0619      0.16  Q        V|         |         |         |
 11+20      0.0630      0.16  Q         V         |         |         |
 11+25      0.0641      0.17  Q         V         |         |         |
 11+30      0.0653      0.17  Q         V         |         |         |
 11+35      0.0662      0.13  Q         V         |         |         |
 11+40      0.0669      0.10  Q         V         |         |         |
 11+45      0.0676      0.10  Q         V         |         |         |
 11+50      0.0685      0.13  Q         V         |         |         |
 11+55      0.0695      0.14  Q         |V        |         |         |
 12+ 0      0.0705      0.15  Q         |V        |         |         |
 12+ 5      0.0726      0.31  |Q        |V        |         |         |
 12+10      0.0755      0.42  |Q        | V       |         |         |
 12+15      0.0784      0.42  |Q        | V       |         |         |
 12+20      0.0815      0.45  |Q        |  V      |         |         |
 12+25      0.0847      0.47  |Q        |  V      |         |         |
 12+30      0.0880      0.47  |Q        |   V     |         |         |
 12+35      0.0915      0.52  | Q       |   V     |         |         |
 12+40      0.0953      0.55  | Q       |    V    |         |         |
 12+45      0.0991      0.55  | Q       |    V    |         |         |
 12+50      0.1031      0.58  | Q       |     V   |         |         |
 12+55      0.1072      0.60  | Q       |      V  |         |         |
 13+ 0      0.1113      0.60  | Q       |      V  |         |         |
 13+ 5      0.1163      0.72  | Q       |       V |         |         |
 13+10      0.1218      0.79  |  Q      |        V|         |         |
 13+15      0.1273      0.80  |  Q      |         V         |         |
 13+20      0.1328      0.80  |  Q      |         |V        |         |
 13+25      0.1383      0.80  |  Q      |         | V       |         |
 13+30      0.1439      0.81  |  Q      |         |  V      |         |
 13+35      0.1477      0.55  | Q       |         |  V      |         |
 13+40      0.1504      0.40  |Q        |         |   V     |         |
 13+45      0.1531      0.39  |Q        |         |   V     |         |
 13+50      0.1558      0.40  |Q        |         |   V     |         |
 13+55      0.1585      0.40  |Q        |         |    V    |         |
 14+ 0      0.1613      0.40  |Q        |         |    V    |         |
 14+ 5      0.1647      0.50  |Q        |         |     V   |         |
 14+10      0.1685      0.56  | Q       |         |      V  |         |
 14+15      0.1724      0.56  | Q       |         |      V  |         |
 14+20      0.1761      0.54  | Q       |         |       V |         |
 14+25      0.1798      0.53  | Q       |         |       V |         |
 14+30      0.1834      0.53  | Q       |         |        V|         |
 14+35      0.1871      0.53  | Q       |         |        V|         |
 14+40      0.1907      0.53  | Q       |         |         V         |
 14+45      0.1944      0.54  | Q       |         |         |V        |
 14+50      0.1980      0.52  | Q       |         |         |V        |
 14+55      0.2015      0.50  | Q       |         |         | V       |
 15+ 0      0.2049      0.51  | Q       |         |         | V       |
 15+ 5      0.2083      0.48  |Q        |         |         |  V      |
 15+10      0.2115      0.47  |Q        |         |         |  V      |
 15+15      0.2148      0.47  |Q        |         |         |   V     |
 15+20      0.2179      0.45  |Q        |         |         |   V     |
 15+25      0.2209      0.44  |Q        |         |         |    V    |
 15+30      0.2240      0.44  |Q        |         |         |    V    |
 15+35      0.2264      0.35  |Q        |         |         |     V   |
 15+40      0.2284      0.30  |Q        |         |         |     V   |
 15+45      0.2305      0.30  |Q        |         |         |     V   |
 15+50      0.2325      0.30  |Q        |         |         |      V  |
 15+55      0.2346      0.30  |Q        |         |         |      V  |
 16+ 0      0.2367      0.30  |Q        |         |         |      V  |
 16+ 5      0.2376      0.13  Q         |         |         |       V |
 16+10      0.2378      0.03  Q         |         |         |       V |
 16+15      0.2380      0.02  Q         |         |         |       V |
 16+20      0.2381      0.02  Q         |         |         |       V |
 16+25      0.2383      0.02  Q         |         |         |       V |
 16+30      0.2385      0.02  Q         |         |         |       V |
 16+35      0.2386      0.02  Q         |         |         |       V |
 16+40      0.2387      0.02  Q         |         |         |       V |
 16+45      0.2389      0.02  Q         |         |         |       V |
 16+50      0.2390      0.02  Q         |         |         |       V |
 16+55      0.2391      0.02  Q         |         |         |       V |
 17+ 0      0.2392      0.02  Q         |         |         |       V |
 17+ 5      0.2394      0.03  Q         |         |         |       V |
```

17+10	0.2396	0.03	Q	|	|	|	V |
17+15	0.2398	0.03	Q	|	|	|	V |
17+20	0.2401	0.03	Q	|	|	|	V |
17+25	0.2403	0.03	Q	|	|	|	V |
17+30	0.2405	0.03	Q	|	|	|	V |
17+35	0.2407	0.03	Q	|	|	|	V |
17+40	0.2409	0.03	Q	|	|	|	V |
17+45	0.2411	0.03	Q	|	|	|	V |
17+50	0.2413	0.03	Q	|	|	|	V |
17+55	0.2415	0.02	Q	|	|	|	V |
18+ 0	0.2416	0.02	Q	|	|	|	V |
18+ 5	0.2418	0.02	Q	|	|	|	V |
18+10	0.2420	0.02	Q	|	|	|	V |
18+15	0.2421	0.02	Q	|	|	|	V |
18+20	0.2423	0.02	Q	|	|	|	V |
18+25	0.2425	0.02	Q	|	|	|	V |
18+30	0.2426	0.02	Q	|	|	|	V |
18+35	0.2428	0.02	Q	|	|	|	V |
18+40	0.2429	0.02	Q	|	|	|	V |
18+45	0.2430	0.02	Q	|	|	|	V |
18+50	0.2431	0.01	Q	|	|	|	V |
18+55	0.2432	0.01	Q	|	|	|	V |
19+ 0	0.2433	0.01	Q	|	|	|	V |
19+ 5	0.2434	0.02	Q	|	|	|	V |
19+10	0.2435	0.02	Q	|	|	|	V|
19+15	0.2437	0.02	Q	|	|	|	V|
19+20	0.2438	0.02	Q	|	|	|	V|
19+25	0.2440	0.02	Q	|	|	|	V|
19+30	0.2442	0.02	Q	|	|	|	V|
19+35	0.2443	0.02	Q	|	|	|	V|
19+40	0.2444	0.02	Q	|	|	|	V|
19+45	0.2446	0.02	Q	|	|	|	V|
19+50	0.2447	0.01	Q	|	|	|	V|
19+55	0.2447	0.01	Q	|	|	|	V|
20+ 0	0.2448	0.01	Q	|	|	|	V|
20+ 5	0.2449	0.02	Q	|	|	|	V|
20+10	0.2451	0.02	Q	|	|	|	V|
20+15	0.2452	0.02	Q	|	|	|	V|
20+20	0.2453	0.02	Q	|	|	|	V|
20+25	0.2454	0.02	Q	|	|	|	V|
20+30	0.2456	0.02	Q	|	|	|	V|
20+35	0.2457	0.02	Q	|	|	|	V|
20+40	0.2458	0.02	Q	|	|	|	V|
20+45	0.2459	0.02	Q	|	|	|	V|
20+50	0.2460	0.01	Q	|	|	|	V|
20+55	0.2461	0.01	Q	|	|	|	V|
21+ 0	0.2462	0.01	Q	|	|	|	V|
21+ 5	0.2463	0.02	Q	|	|	|	V|
21+10	0.2465	0.02	Q	|	|	|	V|
21+15	0.2466	0.02	Q	|	|	|	V|
21+20	0.2467	0.01	Q	|	|	|	V|
21+25	0.2468	0.01	Q	|	|	|	V|
21+30	0.2468	0.01	Q	|	|	|	V|
21+35	0.2470	0.02	Q	|	|	|	V|
21+40	0.2471	0.02	Q	|	|	|	V|
21+45	0.2472	0.02	Q	|	|	|	V|
21+50	0.2473	0.01	Q	|	|	|	V|
21+55	0.2474	0.01	Q	|	|	|	V|
22+ 0	0.2475	0.01	Q	|	|	|	V|
22+ 5	0.2476	0.02	Q	|	|	|	V|
22+10	0.2477	0.02	Q	|	|	|	V|
22+15	0.2478	0.02	Q	|	|	|	V|
22+20	0.2479	0.01	Q	|	|	|	V|
22+25	0.2480	0.01	Q	|	|	|	V|
22+30	0.2481	0.01	Q	|	|	|	V|
22+35	0.2482	0.01	Q	|	|	|	V|
22+40	0.2483	0.01	Q	|	|	|	V|
22+45	0.2484	0.01	Q	|	|	|	V|
22+50	0.2485	0.01	Q	|	|	|	V|
22+55	0.2485	0.01	Q	|	|	|	V|
23+ 0	0.2486	0.01	Q	|	|	|	V|
23+ 5	0.2487	0.01	Q	|	|	|	V|
23+10	0.2488	0.01	Q	|	|	|	V|
23+15	0.2489	0.01	Q	|	|	|	V|
23+20	0.2490	0.01	Q	|	|	|	V|
23+25	0.2490	0.01	Q	|	|	|	V|
23+30	0.2491	0.01	Q	|	|	|	V|
23+35	0.2492	0.01	Q	|	|	|	V|
23+40	0.2493	0.01	Q	|	|	|	V|
23+45	0.2494	0.01	Q	|	|	|	V|
23+50	0.2495	0.01	Q	|	|	|	V|
23+55	0.2495	0.01	Q	|	|	|	V|
24+ 0	0.2496	0.01	Q	|	|	|	V|
24+ 5	0.2497	0.00	Q	|	|	|	V|
24+10	0.2497	0.00	Q	|	|	|	V|

AREAS TRIBUTARY TO CP5

AREAS 5A, 5B, 5C, & 5D
(3HR, 6HR, & 24HR STORMS)

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  02/09/24 File: MESAP5A3100.out


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 Riverside County Synthetic Unit Hydrology Method
 RCFC & WCD Manual date - April 1978


 Program License Serial Number 6406

 ------------------------------------------------------------------------
  English (in-lb) Input Units Used
  English Rainfall Data (Inches) Input Values Used

  English Units used in output format



 ------------------------------------------------------------------------
 MESA VERDE ESTATES
 PROPOSED CONDITION
 AREA 5A
 2/09/24
 ------------------------------------------------------------------------
 Drainage Area =     304.88(Ac.)  =      0.476 Sq. Mi.
 Drainage Area for Depth-Area Areal Adjustment =     304.88(Ac.)  =
0.476 Sq. Mi.
 Length along longest watercourse =   12399.00(Ft.)
 Length along longest watercourse measured to centroid =    6761.00(Ft.)
 Length along longest watercourse =      2.348 Mi.
 Length along longest watercourse measured to centroid =      1.280 Mi.
 Difference in elevation =     321.20(Ft.)
 Slope along watercourse =    136.7801 Ft./Mi.
 Average Manning's 'N' = 0.035
 Lag time =    0.501 Hr.
 Lag time =    30.08 Min.
 25% of lag time =     7.52 Min.
 40% of lag time =    12.03 Min.
 Unit time =     5.00 Min.
 Duration of storm = 3 Hour(s)
 User Entered Base Flow =     0.00(CFS)

 2 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       304.88              0.94                  286.59

 100 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       304.88              1.97                  600.61

 STORM EVENT (YEAR) =  100.00
 Area Averaged 2-Year Rainfall =    0.940(In)
 Area Averaged 100-Year Rainfall =    1.970(In)

 Point rain (area averaged) =    1.970(In)
 Areal adjustment factor =   99.87 %
 Adjusted average point rain =    1.967(In)

 Sub-Area Data:
 Area(Ac.)         Runoff Index   Impervious %
     23.840           51.00          0.000
     46.280           70.00          0.000
     65.770           80.00          0.000
     38.650           84.00          0.000
     20.190           69.00          0.050
      1.610           79.00          0.050
      0.140           84.00          0.050
     19.240           92.00          0.900
      0.490           94.00          0.900
      0.210           95.00          0.900
      5.530           77.00          0.750
      0.080           85.00          0.750
     20.920           75.00          0.380
      0.280           83.00          0.380
      1.680           70.00          0.250
      7.020           68.00          0.200
      2.840           79.00          0.200
      3.370           84.00          0.200
      3.420           46.00          0.120
     20.950           65.00          0.120
     13.880           77.00          0.120
      8.490           82.00          0.120
  Total Area Entered =    304.88(Ac.)


 RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
 AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
 51.0  51.0      0.562     0.000        0.562       0.078      0.044
 70.0  70.0      0.362     0.000        0.362       0.152      0.055
 80.0  80.0      0.244     0.000        0.244       0.216      0.053
 84.0  84.0      0.198     0.000        0.198       0.127      0.025
 69.0  69.0      0.373     0.050        0.356       0.066      0.024
 79.0  79.0      0.256     0.050        0.244       0.005      0.001
 84.0  84.0      0.198     0.050        0.189       0.000      0.000
 92.0  92.0      0.104     0.900        0.020       0.063      0.001
 94.0  94.0      0.078     0.900        0.015       0.002      0.000
 95.0  95.0      0.065     0.900        0.012       0.001      0.000
 77.0  77.0      0.279     0.750        0.091       0.018      0.002
 85.0  85.0      0.187     0.750        0.061       0.000      0.000
 75.0  75.0      0.303     0.380        0.199       0.069      0.014
 83.0  83.0      0.210     0.380        0.138       0.001      0.000
 70.0  70.0      0.362     0.250        0.281       0.006      0.002
 68.0  68.0      0.384     0.200        0.315       0.023      0.007
 79.0  79.0      0.256     0.200        0.210       0.009      0.002
 84.0  84.0      0.198     0.200        0.163       0.011      0.002
 46.0  46.0      0.611     0.120        0.545       0.011      0.006
 65.0  65.0      0.416     0.120        0.371       0.069      0.025
 77.0  77.0      0.279     0.120        0.249       0.046      0.011
 82.0  82.0      0.221     0.120        0.197       0.028      0.005
                                                 Sum (F) =   0.279
 Area averaged mean soil loss (F) (In/Hr) =  0.279
 Minimum soil loss rate ((In/Hr)) =  0.140
 (for 24 hour storm duration)
 Soil low loss rate (decimal) =   0.790
```

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	16.622	1.058	3.250
2	0.167	33.245	2.791	8.576
3	0.250	49.867	4.037	12.404
4	0.333	66.490	5.622	17.275
5	0.417	83.112	8.519	26.176
6	0.500	99.735	15.587	47.891
7	0.583	116.357	17.657	54.255
8	0.667	132.979	8.160	25.072
9	0.750	149.602	5.860	18.005
10	0.833	166.224	4.477	13.756
11	0.917	182.847	3.827	11.758
12	1.000	199.469	3.179	9.768
13	1.083	216.092	2.747	8.440
14	1.167	232.714	2.351	7.224
15	1.250	249.336	2.052	6.305
16	1.333	265.959	1.811	5.564
17	1.417	282.581	1.568	4.819
18	1.500	299.204	1.369	4.207
19	1.583	315.826	1.209	3.716
20	1.667	332.449	1.037	3.188
21	1.750	349.071	0.838	2.576
22	1.833	365.693	0.739	2.269
23	1.917	382.316	0.646	1.984
24	2.000	398.938	0.497	1.526
25	2.083	415.561	0.349	1.072
26	2.167	432.183	0.200	0.615
27	2.250	448.806	0.199	0.613
28	2.333	465.428	0.185	0.569
29	2.417	482.050	0.166	0.511
30	2.500	498.673	0.166	0.511
31	2.583	515.295	0.138	0.424
32	2.667	531.918	0.100	0.307
33	2.750	548.540	0.100	0.306
34	2.833	565.163	0.114	0.349
35	2.917	581.785	0.133	0.408
36	3.000	598.407	0.133	0.409
37	3.083	615.030	0.106	0.325
38	3.167	631.652	0.067	0.205
39	3.250	648.275	0.066	0.204
40	3.333	664.897	0.053	0.163
41	3.417	681.520	0.033	0.103
42	3.500	698.142	0.033	0.102
43	3.583	714.764	0.020	0.062
			Sum = 100.000	Sum= 307.262

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	(0.279)	0.242	0.064
2	0.17	1.30	0.307	(0.279)	0.242	0.064
3	0.25	1.10	0.260	(0.279)	0.205	0.055
4	0.33	1.50	0.354	0.279	(0.280)	0.075
5	0.42	1.50	0.354	0.279	(0.280)	0.075
6	0.50	1.80	0.425	0.279	(0.336)	0.146
7	0.58	1.50	0.354	0.279	(0.280)	0.075
8	0.67	1.80	0.425	0.279	(0.336)	0.146
9	0.75	1.80	0.425	0.279	(0.336)	0.146
10	0.83	1.50	0.354	0.279	(0.280)	0.075
11	0.92	1.60	0.378	0.279	(0.298)	0.098
12	1.00	1.80	0.425	0.279	(0.336)	0.146
13	1.08	2.20	0.519	0.279	(0.410)	0.240
14	1.17	2.20	0.519	0.279	(0.410)	0.240
15	1.25	2.20	0.519	0.279	(0.410)	0.240
16	1.33	2.00	0.472	0.279	(0.373)	0.193
17	1.42	2.60	0.614	0.279	(0.485)	0.334
18	1.50	2.70	0.637	0.279	(0.504)	0.358
19	1.58	2.40	0.567	0.279	(0.448)	0.287
20	1.67	2.70	0.637	0.279	(0.504)	0.358
21	1.75	3.30	0.779	0.279	(0.615)	0.500
22	1.83	3.10	0.732	0.279	(0.578)	0.452
23	1.92	2.90	0.685	0.279	(0.541)	0.405
24	2.00	3.00	0.708	0.279	(0.560)	0.429
25	2.08	3.10	0.732	0.279	(0.578)	0.452
26	2.17	4.20	0.992	0.279	(0.783)	0.712
27	2.25	5.00	1.180	0.279	(0.933)	0.901
28	2.33	3.50	0.826	0.279	(0.653)	0.547
29	2.42	6.80	1.605	0.279	(1.268)	1.326
30	2.50	7.30	1.723	0.279	(1.362)	1.444
31	2.58	8.20	1.936	0.279	(1.529)	1.657
32	2.67	5.90	1.393	0.279	(1.100)	1.114
33	2.75	2.00	0.472	0.279	(0.373)	0.193
34	2.83	1.80	0.425	0.279	(0.336)	0.146
35	2.92	1.80	0.425	0.279	(0.336)	0.146
36	3.00	0.60	0.142	(0.279)	0.112	0.030

(Loss Rate Not Used)

Sum = 100.0 Sum = 13.9

Flood volume = Effective rainfall 1.16(In)
times area 304.9(Ac.)/[(In)/(Ft.)] = 29.4(Ac.Ft)
Total soil loss = 0.81(In)
Total soil loss = 20.625(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 1278874.9 Cubic Feet
Total soil loss = 898444.3 Cubic Feet

Peak flow rate of this hydrograph = 281.768(CFS)

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	75.0	150.0	225.0	300.0
0+ 5	0.0014	0.21 Q	|	|	|	|	|
0+10	0.0067	0.76 Q	|	|	|	|	|
0+15	0.0172	1.53 Q	|	|	|	|	|
0+20	0.0353	2.62 Q	|	|	|	|	|
0+25	0.0654	4.36 Q	|	|	|	|	|

```
0+30      0.1188     7.76  VQ        |         |         |         |
0+35      0.1996    11.73  VQ        |         |         |         |
0+40      0.2953    13.90  VQ        |         |         |         |
0+45      0.4086    16.44  V Q       |         |         |         |
0+50      0.5426    19.46  V Q       |         |         |         |
0+55      0.6995    22.78  V  Q      |         |         |         |
1+ 0      0.8745    25.42  |V Q      |         |         |         |
1+ 5      1.0621    27.23  |V Q      |         |         |         |
1+10      1.2765    31.13  |V  Q     |         |         |         |
1+15      1.4992    32.34  | V Q     |         |         |         |
1+20      1.7330    33.94  | V Q     |         |         |         |
1+25      2.0047    39.46  | V  Q    |         |         |         |
1+30      2.3329    47.65  |  V  Q   |         |         |         |
1+35      2.7133    55.24  |  V   Q  |         |         |         |
1+40      3.1257    59.87  |   V  Q  |         |         |         |
1+45      3.5700    64.53  |   V   Q |         |         |         |
1+50      4.0670    72.16  |    V   Q|         |         |         |
1+55      4.6327    82.14  |     V   Q         |         |         |
2+ 0      5.2360    87.60  |      V  |Q        |         |         |
2+ 5      5.8798    93.48  |       V | Q       |         |         |
2+10      6.5994   104.50  |       V |  Q      |         |         |
2+15      7.3928   115.20  |         V    Q    |         |         |
2+20      8.2262   121.01  |          |V    Q   |         |         |
2+25      9.1202   129.80  |          | V    Q  |         |         |
2+30     10.1295   146.55  |          |  V     Q|         |         |
2+35     11.3185   172.64  |          |    V     |  Q      |         |
2+40     12.7229   203.93  |          |      V   |     Q   |         |
2+45     14.2595   223.12  |          |        V |       Q |         |
2+50     15.9421   244.30  |          |          |V        | Q       |
2+55     17.8442   276.19  |          |          |   V     |    Q    |
3+ 0     19.7848   281.77  |          |          |     V   |     Q   |
3+ 5     21.5696   259.16  |          |          |       V |   Q     |
3+10     22.9578   201.55  |          |          |     Q   |V        |
3+15     23.9821   148.74  |          |         Q|         | V       |
3+20     24.8248   122.35  |          |    Q     |         |  V      |
3+25     25.5246   101.61  |          |  Q       |         |   V     |
3+30     26.0975    83.20  |          |Q         |         |    V    |
3+35     26.5787    69.87  |        Q |          |         |     V   |
3+40     26.9911    59.87  |      Q   |          |         |     V   |
3+45     27.3463    51.57  |     Q    |          |         |      V  |
3+50     27.6527    44.49  |    Q     |          |         |      V  |
3+55     27.9172    38.42  |    Q     |          |         |       V |
4+ 0     28.1454    33.13  |   Q      |          |         |       V |
4+ 5     28.3405    28.33  |  Q       |          |         |       V |
4+10     28.5058    24.00  |  Q       |          |         |       V |
4+15     28.6442    20.11  | Q        |          |         |        V|
4+20     28.7597    16.77  | Q        |          |         |        V|
4+25     28.8558    13.95  |Q         |          |         |        V|
4+30     28.9325    11.14  |Q         |          |         |        V|
4+35     28.9930     8.78  |Q         |          |         |        V|
4+40     29.0416     7.05  Q          |          |         |        V|
4+45     29.0824     5.93  Q          |          |         |        V|
4+50     29.1187     5.28  Q          |          |         |        V|
4+55     29.1512     4.72  Q          |          |         |        V|
5+ 0     29.1801     4.20  Q          |          |         |        V|
5+ 5     29.2060     3.76  Q          |          |         |        V|
5+10     29.2291     3.35  Q          |          |         |        V|
5+15     29.2504     3.09  Q          |          |         |        V|
5+20     29.2708     2.96  Q          |          |         |        V|
5+25     29.2900     2.80  Q          |          |         |        V|
5+30     29.3069     2.45  Q          |          |         |        V|
5+35     29.3209     2.03  Q          |          |         |        V|
5+40     29.3319     1.61  Q          |          |         |        V|
5+45     29.3405     1.24  Q          |          |         |        V|
5+50     29.3472     0.97  Q          |          |         |        V|
5+55     29.3521     0.71  Q          |          |         |        V|
6+ 0     29.3554     0.47  Q          |          |         |        V|
6+ 5     29.3574     0.30  Q          |          |         |        V|
6+10     29.3583     0.13  Q          |          |         |        V|
6+15     29.3586     0.05  Q          |          |         |        V|
6+20     29.3588     0.03  Q          |          |         |        V|
6+25     29.3589     0.01  Q          |          |         |        V|
6+30     29.3589     0.00  Q          |          |         |        V|
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP5A6100.out


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 Riverside County Synthetic Unit Hydrology Method
 RCFC & WCD Manual date - April 1978


 Program License Serial Number 6406

 ------------------------------------------------------------------------
  English (in-lb) Input Units Used
  English Rainfall Data (Inches) Input Values Used

  English Units used in output format



 ------------------------------------------------------------------------
 MESA VERDE ESTATES
 PROPOSED CONDITION
 AREA 5A
 2/09/24
 ------------------------------------------------------------------------
 Drainage Area =     304.88(Ac.)  =      0.476 Sq. Mi.
 Drainage Area for Depth-Area Areal Adjustment =     304.88(Ac.)  =
0.476 Sq. Mi.
 Length along longest watercourse =   12399.00(Ft.)
 Length along longest watercourse measured to centroid =    6761.00(Ft.)
 Length along longest watercourse =      2.348 Mi.
 Length along longest watercourse measured to centroid =      1.280 Mi.
 Difference in elevation =     321.20(Ft.)
 Slope along watercourse =    136.7801 Ft./Mi.
 Average Manning's 'N' = 0.035
 Lag time =    0.501 Hr.
 Lag time =    30.08 Min.
 25% of lag time =     7.52 Min.
 40% of lag time =    12.03 Min.
 Unit time =     5.00 Min.
 Duration of storm = 6 Hour(s)
 User Entered Base Flow =     0.00(CFS)

 2 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       304.88              1.35                  411.59

 100 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       304.88              2.78                  847.57

 STORM EVENT (YEAR) =  100.00

 Area Averaged 2-Year Rainfall =    1.350(In)
 Area Averaged 100-Year Rainfall =    2.780(In)

 Point rain (area averaged) =    2.780(In)
 Areal adjustment factor =   99.90 %
 Adjusted average point rain =    2.777(In)

 Sub-Area Data:
 Area(Ac.)         Runoff Index   Impervious %
     23.840           51.00          0.000
     46.280           70.00          0.000
     65.770           80.00          0.000
     38.650           84.00          0.000
     20.190           69.00          0.050
      1.610           79.00          0.050
      0.140           84.00          0.050
     19.240           92.00          0.900
      0.490           94.00          0.900
      0.210           95.00          0.900
      5.530           77.00          0.750
      0.080           85.00          0.750
     20.920           75.00          0.380
      0.280           83.00          0.380
      1.680           70.00          0.250
      7.020           68.00          0.200
      2.840           79.00          0.200
      3.370           84.00          0.200
      3.420           46.00          0.120
     20.950           65.00          0.120
     13.880           77.00          0.120
      8.490           82.00          0.120
  Total Area Entered =    304.88(Ac.)


 RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
 AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
 51.0  51.0      0.562     0.000        0.562       0.078      0.044
 70.0  70.0      0.362     0.000        0.362       0.152      0.055
 80.0  80.0      0.244     0.000        0.244       0.216      0.053
 84.0  84.0      0.198     0.000        0.198       0.127      0.025
 69.0  69.0      0.373     0.050        0.356       0.066      0.024
 79.0  79.0      0.256     0.050        0.244       0.005      0.001
 84.0  84.0      0.198     0.050        0.189       0.000      0.000
 92.0  92.0      0.104     0.900        0.020       0.063      0.001
 94.0  94.0      0.078     0.900        0.015       0.002      0.000
 95.0  95.0      0.065     0.900        0.012       0.001      0.000
 77.0  77.0      0.279     0.750        0.091       0.018      0.002
 85.0  85.0      0.187     0.750        0.061       0.000      0.000
 75.0  75.0      0.303     0.380        0.199       0.069      0.014
 83.0  83.0      0.210     0.380        0.138       0.001      0.000
 70.0  70.0      0.362     0.250        0.281       0.006      0.002
 68.0  68.0      0.384     0.200        0.315       0.023      0.007
 79.0  79.0      0.256     0.200        0.210       0.009      0.002
 84.0  84.0      0.198     0.200        0.163       0.011      0.002
 46.0  46.0      0.611     0.120        0.545       0.011      0.006
 65.0  65.0      0.416     0.120        0.371       0.069      0.025
 77.0  77.0      0.279     0.120        0.249       0.046      0.011
 82.0  82.0      0.221     0.120        0.197       0.028      0.005
                                                  Sum (F) =   0.279
 Area averaged mean soil loss (F) (In/Hr) =  0.279
 Minimum soil loss rate ((In/Hr)) =  0.140
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(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.790

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	16.622	1.058	3.250
2	0.167	33.245	2.791	8.576
3	0.250	49.867	4.037	12.404
4	0.333	66.490	5.622	17.275
5	0.417	83.112	8.519	26.176
6	0.500	99.735	15.587	47.891
7	0.583	116.357	17.657	54.255
8	0.667	132.979	8.160	25.072
9	0.750	149.602	5.860	18.005
10	0.833	166.224	4.477	13.756
11	0.917	182.847	3.827	11.758
12	1.000	199.469	3.179	9.768
13	1.083	216.092	2.747	8.440
14	1.167	232.714	2.351	7.224
15	1.250	249.336	2.052	6.305
16	1.333	265.959	1.811	5.564
17	1.417	282.581	1.568	4.819
18	1.500	299.204	1.369	4.207
19	1.583	315.826	1.209	3.716
20	1.667	332.449	1.037	3.188
21	1.750	349.071	0.838	2.576
22	1.833	365.693	0.739	2.269
23	1.917	382.316	0.646	1.984
24	2.000	398.938	0.497	1.526
25	2.083	415.561	0.349	1.072
26	2.167	432.183	0.200	0.615
27	2.250	448.806	0.199	0.613
28	2.333	465.428	0.185	0.569
29	2.417	482.050	0.166	0.511
30	2.500	498.673	0.166	0.511
31	2.583	515.295	0.138	0.424
32	2.667	531.918	0.100	0.307
33	2.750	548.540	0.100	0.306
34	2.833	565.163	0.114	0.349
35	2.917	581.785	0.133	0.408
36	3.000	598.407	0.133	0.409
37	3.083	615.030	0.106	0.325
38	3.167	631.652	0.067	0.205
39	3.250	648.275	0.066	0.204
40	3.333	664.897	0.053	0.163
41	3.417	681.520	0.033	0.103
42	3.500	698.142	0.033	0.102
43	3.583	714.764	0.020	0.062
			Sum = 100.000	Sum= 307.262

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.279)	0.132	0.035
2	0.17	0.60	0.200	(0.279)	0.158	0.042
3	0.25	0.60	0.200	(0.279)	0.158	0.042
4	0.33	0.60	0.200	(0.279)	0.158	0.042
5	0.42	0.60	0.200	(0.279)	0.158	0.042
6	0.50	0.70	0.233	(0.279)	0.184	0.049
7	0.58	0.70	0.233	(0.279)	0.184	0.049
8	0.67	0.70	0.233	(0.279)	0.184	0.049
9	0.75	0.70	0.233	(0.279)	0.184	0.049
10	0.83	0.70	0.233	(0.279)	0.184	0.049
11	0.92	0.70	0.233	(0.279)	0.184	0.049
12	1.00	0.80	0.267	(0.279)	0.211	0.056
13	1.08	0.80	0.267	(0.279)	0.211	0.056
14	1.17	0.80	0.267	(0.279)	0.211	0.056
15	1.25	0.80	0.267	(0.279)	0.211	0.056
16	1.33	0.80	0.267	(0.279)	0.211	0.056
17	1.42	0.80	0.267	(0.279)	0.211	0.056
18	1.50	0.80	0.267	(0.279)	0.211	0.056
19	1.58	0.80	0.267	(0.279)	0.211	0.056
20	1.67	0.80	0.267	(0.279)	0.211	0.056
21	1.75	0.80	0.267	(0.279)	0.211	0.056
22	1.83	0.80	0.267	(0.279)	0.211	0.056
23	1.92	0.80	0.267	(0.279)	0.211	0.056
24	2.00	0.90	0.300	(0.279)	0.237	0.063
25	2.08	0.80	0.267	(0.279)	0.211	0.056
26	2.17	0.90	0.300	(0.279)	0.237	0.063
27	2.25	0.90	0.300	(0.279)	0.237	0.063
28	2.33	0.90	0.300	(0.279)	0.237	0.063
29	2.42	0.90	0.300	(0.279)	0.237	0.063
30	2.50	0.90	0.300	(0.279)	0.237	0.063
31	2.58	0.90	0.300	(0.279)	0.237	0.063
32	2.67	0.90	0.300	(0.279)	0.237	0.063
33	2.75	1.00	0.333	(0.279)	0.263	0.070
34	2.83	1.00	0.333	(0.279)	0.263	0.070
35	2.92	1.00	0.333	(0.279)	0.263	0.070
36	3.00	1.00	0.333	(0.279)	0.263	0.070
37	3.08	1.00	0.333	(0.279)	0.263	0.070
38	3.17	1.10	0.367	0.279	(0.290)	0.087
39	3.25	1.10	0.367	0.279	(0.290)	0.087
40	3.33	1.10	0.367	0.279	(0.290)	0.087
41	3.42	1.20	0.400	0.279	(0.316)	0.121
42	3.50	1.30	0.433	0.279	(0.342)	0.154
43	3.58	1.40	0.467	0.279	(0.369)	0.187
44	3.67	1.40	0.467	0.279	(0.369)	0.187
45	3.75	1.50	0.500	0.279	(0.395)	0.221
46	3.83	1.50	0.500	0.279	(0.395)	0.221
47	3.92	1.60	0.533	0.279	(0.421)	0.254
48	4.00	1.60	0.533	0.279	(0.421)	0.254
49	4.08	1.70	0.567	0.279	(0.448)	0.287
50	4.17	1.80	0.600	0.279	(0.474)	0.320
51	4.25	1.90	0.633	0.279	(0.500)	0.354
52	4.33	2.00	0.667	0.279	(0.527)	0.387
53	4.42	2.10	0.700	0.279	(0.553)	0.420
54	4.50	2.10	0.700	0.279	(0.553)	0.420
55	4.58	2.20	0.733	0.279	(0.579)	0.454
56	4.67	2.30	0.766	0.279	(0.606)	0.487
57	4.75	2.40	0.800	0.279	(0.632)	0.520
58	4.83	2.40	0.800	0.279	(0.632)	0.520

59	4.92	2.50	0.833	0.279	(0.658)	0.554
60	5.00	2.60	0.866	0.279	(0.684)	0.587
61	5.08	3.10	1.033	0.279	(0.816)	0.754
62	5.17	3.60	1.200	0.279	(0.948)	0.920
63	5.25	3.90	1.300	0.279	(1.027)	1.020
64	5.33	4.20	1.400	0.279	(1.106)	1.120
65	5.42	4.70	1.566	0.279	(1.237)	1.287
66	5.50	5.60	1.866	0.279	(1.474)	1.587
67	5.58	1.90	0.633	0.279	(0.500)	0.354
68	5.67	0.90	0.300	(0.279)	0.237	0.063
69	5.75	0.60	0.200	(0.279)	0.158	0.042
70	5.83	0.50	0.167	(0.279)	0.132	0.035
71	5.92	0.30	0.100	(0.279)	0.079	0.021
72	6.00	0.20	0.067	(0.279)	0.053	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.5

Flood volume = Effective rainfall 1.37(In)
times area 304.9(Ac.)/[(In)/(Ft.)] = 34.9(Ac.Ft)
Total soil loss = 1.40(In)
Total soil loss = 35.693(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 1518668.8 Cubic Feet
Total soil loss = 1554772.8 Cubic Feet

Peak flow rate of this hydrograph = 259.742(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	75.0	150.0	225.0	300.0
0+ 5	0.0008	0.11	Q				
0+10	0.0038	0.44	Q				
0+15	0.0102	0.93	Q				
0+20	0.0214	1.62	Q				
0+25	0.0397	2.66	Q				
0+30	0.0710	4.54	Q				
0+35	0.1181	6.84	Q				
0+40	0.1744	8.18	VQ				
0+45	0.2372	9.11	VQ				
0+50	0.3053	9.90	VQ				
0+55	0.3793	10.74	VQ				
1+ 0	0.4590	11.57	VQ				
1+ 5	0.5428	12.17	VQ				
1+10	0.6302	12.69	VQ				
1+15	0.7210	13.18	VQ				
1+20	0.8153	13.69	VQ				
1+25	0.9138	14.30	|Q				
1+30	1.0165	14.92	|Q				
1+35	1.1219	15.30	|VQ				
1+40	1.2295	15.61	|VQ				
1+45	1.3387	15.86	|VQ				
1+50	1.4494	16.07	|VQ				
1+55	1.5614	16.26	|VQ				
2+ 0	1.6745	16.43	|VQ				
2+ 5	1.7888	16.59	| Q				
2+10	1.9040	16.73	| Q				
2+15	2.0204	16.91	| Q				
2+20	2.1384	17.13	| Q				
2+25	2.2587	17.46	| Q				
2+30	2.3809	17.74	| Q				
2+35	2.5043	17.92	| Q				
2+40	2.6302	18.29	| QV				
2+45	2.7576	18.49	| QV				
2+50	2.8863	18.69	| QV				
2+55	3.0164	18.89	| QV				
3+ 0	3.1481	19.11	| QV				
3+ 5	3.2815	19.38	| QV				
3+10	3.4182	19.84	| QV				
3+15	3.5588	20.43	| Q V				
3+20	3.7026	20.87	| Q V				
3+25	3.8503	21.45	| Q V				
3+30	4.0047	22.43	| Q V				
3+35	4.1712	24.18	| QV				
3+40	4.3536	26.48	| QV				
3+45	4.5531	28.97	| Q V				
3+50	4.7781	32.68	| QV				
3+55	5.0383	37.78	| Q				
4+ 0	5.3354	43.13	| QV				
4+ 5	5.6658	47.99	| Q				
4+10	6.0283	52.63	| VQ				
4+15	6.4259	57.73	| Q				
4+20	6.8588	62.86	| VQ				
4+25	7.3315	68.64	| VQ|				
4+30	7.8455	74.63	| Q|				
4+35	8.4090	81.82	| VQ				
4+40	9.0247	89.40	| VQ				
4+45	9.6943	97.22	| |VQ				
4+50	10.4167	104.90	| |V Q				
4+55	11.1876	111.93	| | V Q				
5+ 0	12.0059	118.82	| | V Q				
5+ 5	12.8814	127.12	| | V Q				
5+10	13.8224	136.64	| | V Q |				
5+15	14.8357	147.13	| | V Q|				
5+20	15.9330	159.32	| | V |Q				
5+25	17.1418	175.52	| | V| Q				
5+30	18.5075	198.30	| | |V Q				
5+35	20.0488	223.80	| | | V Q|				
5+40	21.7177	242.33	| | | V | Q				
5+45	23.4655	253.78	| | | V | Q				
5+50	25.2544	259.74	| | | V | Q				
5+55	27.0159	255.77	| | | V Q				
6+ 0	28.5117	217.19	| | | Q | V				
6+ 5	29.5637	152.75	| | Q | V				
6+10	30.3760	117.95	| | Q | | V				
6+15	31.0468	97.40	| | Q | | V				
6+20	31.6162	82.67	| |Q | | V				
6+25	32.0999	70.24	| Q| | | V				
6+30	32.5128	59.95	| Q | | | V				
6+35	32.8656	51.23	| Q | | | V				
6+40	33.1698	44.17	| Q | | | V				
6+45	33.4321	38.08	| Q | | | V				
6+50	33.6571	32.68	| Q | | | V				
6+55	33.8498	27.98	| Q | | | V				
7+ 0	34.0140	23.83	| Q | | | V				
7+ 5	34.1519	20.03	| Q | | | V				
7+10	34.2663	16.60	| Q | | | V				
7+15	34.3613	13.80	|Q | | | V				

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   7+20      34.4392     11.32  |Q        |         |         |        V|
   7+25      34.5014      9.02  |Q        |         |         |        V|
   7+30      34.5508      7.17  Q         |         |         |        V|
   7+35      34.5912      5.87  Q         |         |         |        V|
   7+40      34.6271      5.23  Q         |         |         |        V|
   7+45      34.6594      4.69  Q         |         |         |        V|
   7+50      34.6883      4.19  Q         |         |         |        V|
   7+55      34.7143      3.78  Q         |         |         |        V|
   8+ 0      34.7375      3.36  Q         |         |         |        V|
   8+ 5      34.7582      3.01  Q         |         |         |        V|
   8+10      34.7775      2.81  Q         |         |         |        V|
   8+15      34.7956      2.63  Q         |         |         |        V|
   8+20      34.8121      2.40  Q         |         |         |        V|
   8+25      34.8262      2.03  Q         |         |         |        V|
   8+30      34.8371      1.59  Q         |         |         |        V|
   8+35      34.8454      1.20  Q         |         |         |        V|
   8+40      34.8519      0.95  Q         |         |         |        V|
   8+45      34.8567      0.70  Q         |         |         |        V|
   8+50      34.8599      0.47  Q         |         |         |        V|
   8+55      34.8621      0.32  Q         |         |         |        V|
   9+ 0      34.8633      0.16  Q         |         |         |        V|
   9+ 5      34.8636      0.05  Q         |         |         |        V|
   9+10      34.8637      0.02  Q         |         |         |        V|
   9+15      34.8638      0.01  Q         |         |         |        V|
   9+20      34.8638      0.01  Q         |         |         |        V|
   9+25      34.8638      0.00  Q         |         |         |        V|
   9+30      34.8638      0.00  Q         |         |         |         V
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/09/24 File: MESAP5A24100.out


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 Riverside County Synthetic Unit Hydrology Method
 RCFC & WCD Manual date - April 1978


 Program License Serial Number 6406

 ------------------------------------------------------------------------
  English (in-lb) Input Units Used
  English Rainfall Data (Inches) Input Values Used

  English Units used in output format



 ------------------------------------------------------------------------
 MESA VERDE ESTATES
 PROPOSED CONDITION
 AREA 5A
 2/09/24
 ------------------------------------------------------------------------
 Drainage Area =     304.88(Ac.)  =      0.476 Sq. Mi.
 Drainage Area for Depth-Area Areal Adjustment =     304.88(Ac.)  =
0.476 Sq. Mi.
 Length along longest watercourse =   12399.00(Ft.)
 Length along longest watercourse measured to centroid =    6761.00(Ft.)
 Length along longest watercourse =      2.348 Mi.
 Length along longest watercourse measured to centroid =      1.280 Mi.
 Difference in elevation =     321.20(Ft.)
 Slope along watercourse =    136.7801 Ft./Mi.
 Average Manning's 'N' = 0.035
 Lag time =    0.501 Hr.
 Lag time =    30.08 Min.
 25% of lag time =     7.52 Min.
 40% of lag time =    12.03 Min.
 Unit time =     5.00 Min.
 Duration of storm = 24 Hour(s)
 User Entered Base Flow =     0.00(CFS)

 2 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       304.88              2.45                  746.96

 100 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       304.88              6.08                 1853.67

 STORM EVENT (YEAR) =  100.00
 Area Averaged 2-Year Rainfall =    2.450(In)
 Area Averaged 100-Year Rainfall =    6.080(In)

 Point rain (area averaged) =    6.080(In)
 Areal adjustment factor =   99.94 %
 Adjusted average point rain =    6.076(In)

 Sub-Area Data:
 Area(Ac.)         Runoff Index   Impervious %
     23.840           51.00          0.000
     46.280           70.00          0.000
     65.770           80.00          0.000
     38.650           84.00          0.000
     20.190           69.00          0.050
      1.610           79.00          0.050
      0.140           84.00          0.050
     19.240           92.00          0.900
      0.490           94.00          0.900
      0.210           95.00          0.900
      5.530           77.00          0.750
      0.080           85.00          0.750
     20.920           75.00          0.380
      0.280           83.00          0.380
      1.680           70.00          0.250
      7.020           68.00          0.200
      2.840           79.00          0.200
      3.370           84.00          0.200
      3.420           46.00          0.120
     20.950           65.00          0.120
     13.880           77.00          0.120
      8.490           82.00          0.120
  Total Area Entered =    304.88(Ac.)


 RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
 AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
 51.0  51.0      0.562     0.000        0.562       0.078      0.044
 70.0  70.0      0.362     0.000        0.362       0.152      0.055
 80.0  80.0      0.244     0.000        0.244       0.216      0.053
 84.0  84.0      0.198     0.000        0.198       0.127      0.025
 69.0  69.0      0.373     0.050        0.356       0.066      0.024
 79.0  79.0      0.256     0.050        0.244       0.005      0.001
 84.0  84.0      0.198     0.050        0.189       0.000      0.000
 92.0  92.0      0.104     0.900        0.020       0.063      0.001
 94.0  94.0      0.078     0.900        0.015       0.002      0.000
 95.0  95.0      0.065     0.900        0.012       0.001      0.000
 77.0  77.0      0.279     0.750        0.091       0.018      0.002
 85.0  85.0      0.187     0.750        0.061       0.000      0.000
 75.0  75.0      0.303     0.380        0.199       0.069      0.014
 83.0  83.0      0.210     0.380        0.138       0.001      0.000
 70.0  70.0      0.362     0.250        0.281       0.006      0.002
 68.0  68.0      0.384     0.200        0.315       0.023      0.007
 79.0  79.0      0.256     0.200        0.210       0.009      0.002
 84.0  84.0      0.198     0.200        0.163       0.011      0.002
 46.0  46.0      0.611     0.120        0.545       0.011      0.006
 65.0  65.0      0.416     0.120        0.371       0.069      0.025
 77.0  77.0      0.279     0.120        0.249       0.046      0.011
 82.0  82.0      0.221     0.120        0.197       0.028      0.005
                                                  Sum (F) =   0.279
 Area averaged mean soil loss (F) (In/Hr) =  0.279
 Minimum soil loss rate ((In/Hr)) =  0.140
 (for 24 hour storm duration)
 Soil low loss rate (decimal) =   0.790
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U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	16.622	1.058	3.250
2	0.167	33.245	2.791	8.576
3	0.250	49.867	4.037	12.404
4	0.333	66.490	5.622	17.275
5	0.417	83.112	8.519	26.176
6	0.500	99.735	15.587	47.891
7	0.583	116.357	17.657	54.255
8	0.667	132.979	8.160	25.072
9	0.750	149.602	5.860	18.005
10	0.833	166.224	4.477	13.756
11	0.917	182.847	3.827	11.758
12	1.000	199.469	3.179	9.768
13	1.083	216.092	2.747	8.440
14	1.167	232.714	2.351	7.224
15	1.250	249.336	2.052	6.305
16	1.333	265.959	1.811	5.564
17	1.417	282.581	1.568	4.819
18	1.500	299.204	1.369	4.207
19	1.583	315.826	1.209	3.716
20	1.667	332.449	1.037	3.188
21	1.750	349.071	0.838	2.576
22	1.833	365.693	0.739	2.269
23	1.917	382.316	0.646	1.984
24	2.000	398.938	0.497	1.526
25	2.083	415.561	0.349	1.072
26	2.167	432.183	0.200	0.615
27	2.250	448.806	0.199	0.613
28	2.333	465.428	0.185	0.569
29	2.417	482.050	0.166	0.511
30	2.500	498.673	0.166	0.511
31	2.583	515.295	0.138	0.424
32	2.667	531.918	0.100	0.307
33	2.750	548.540	0.100	0.306
34	2.833	565.163	0.114	0.349
35	2.917	581.785	0.133	0.408
36	3.000	598.407	0.133	0.409
37	3.083	615.030	0.106	0.325
38	3.167	631.652	0.067	0.205
39	3.250	648.275	0.066	0.204
40	3.333	664.897	0.053	0.163
41	3.417	681.520	0.033	0.103
42	3.500	698.142	0.033	0.102
43	3.583	714.764	0.020	0.062
			Sum = 100.000	Sum= 307.262

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.495)	0.038	0.010
2	0.17	0.07	0.049	(0.493)	0.038	0.010
3	0.25	0.07	0.049	(0.491)	0.038	0.010
4	0.33	0.10	0.073	(0.490)	0.058	0.015
5	0.42	0.10	0.073	(0.488)	0.058	0.015
6	0.50	0.10	0.073	(0.486)	0.058	0.015
7	0.58	0.10	0.073	(0.484)	0.058	0.015
8	0.67	0.10	0.073	(0.482)	0.058	0.015
9	0.75	0.10	0.073	(0.480)	0.058	0.015
10	0.83	0.13	0.097	(0.478)	0.077	0.020
11	0.92	0.13	0.097	(0.476)	0.077	0.020
12	1.00	0.13	0.097	(0.474)	0.077	0.020
13	1.08	0.10	0.073	(0.473)	0.058	0.015
14	1.17	0.10	0.073	(0.471)	0.058	0.015
15	1.25	0.10	0.073	(0.469)	0.058	0.015
16	1.33	0.10	0.073	(0.467)	0.058	0.015
17	1.42	0.10	0.073	(0.465)	0.058	0.015
18	1.50	0.10	0.073	(0.463)	0.058	0.015
19	1.58	0.10	0.073	(0.461)	0.058	0.015
20	1.67	0.10	0.073	(0.459)	0.058	0.015
21	1.75	0.10	0.073	(0.458)	0.058	0.015
22	1.83	0.13	0.097	(0.456)	0.077	0.020
23	1.92	0.13	0.097	(0.454)	0.077	0.020
24	2.00	0.13	0.097	(0.452)	0.077	0.020
25	2.08	0.13	0.097	(0.450)	0.077	0.020
26	2.17	0.13	0.097	(0.448)	0.077	0.020
27	2.25	0.13	0.097	(0.447)	0.077	0.020
28	2.33	0.13	0.097	(0.445)	0.077	0.020
29	2.42	0.13	0.097	(0.443)	0.077	0.020
30	2.50	0.13	0.097	(0.441)	0.077	0.020
31	2.58	0.17	0.122	(0.439)	0.096	0.026
32	2.67	0.17	0.122	(0.438)	0.096	0.026
33	2.75	0.17	0.122	(0.436)	0.096	0.026
34	2.83	0.17	0.122	(0.434)	0.096	0.026
35	2.92	0.17	0.122	(0.432)	0.096	0.026
36	3.00	0.17	0.122	(0.430)	0.096	0.026
37	3.08	0.17	0.122	(0.429)	0.096	0.026
38	3.17	0.17	0.122	(0.427)	0.096	0.026
39	3.25	0.17	0.122	(0.425)	0.096	0.026
40	3.33	0.17	0.122	(0.423)	0.096	0.026
41	3.42	0.17	0.122	(0.422)	0.096	0.026
42	3.50	0.17	0.122	(0.420)	0.096	0.026
43	3.58	0.17	0.122	(0.418)	0.096	0.026
44	3.67	0.17	0.122	(0.416)	0.096	0.026
45	3.75	0.17	0.122	(0.415)	0.096	0.026
46	3.83	0.20	0.146	(0.413)	0.115	0.031
47	3.92	0.20	0.146	(0.411)	0.115	0.031
48	4.00	0.20	0.146	(0.409)	0.115	0.031
49	4.08	0.20	0.146	(0.408)	0.115	0.031
50	4.17	0.20	0.146	(0.406)	0.115	0.031
51	4.25	0.20	0.146	(0.404)	0.115	0.031
52	4.33	0.23	0.170	(0.402)	0.134	0.036
53	4.42	0.23	0.170	(0.401)	0.134	0.036
54	4.50	0.23	0.170	(0.399)	0.134	0.036
55	4.58	0.23	0.170	(0.397)	0.134	0.036
56	4.67	0.23	0.170	(0.396)	0.134	0.036
57	4.75	0.23	0.170	(0.394)	0.134	0.036
58	4.83	0.27	0.194	(0.392)	0.154	0.041
59	4.92	0.27	0.194	(0.390)	0.154	0.041
60	5.00	0.27	0.194	(0.389)	0.154	0.041
61	5.08	0.20	0.146	(0.387)	0.115	0.031
62	5.17	0.20	0.146	(0.385)	0.115	0.031

63	5.25	0.20	0.146	(0.384)	0.115	0.031
64	5.33	0.23	0.170	(0.382)	0.134	0.036
65	5.42	0.23	0.170	(0.380)	0.134	0.036
66	5.50	0.23	0.170	(0.379)	0.134	0.036
67	5.58	0.27	0.194	(0.377)	0.154	0.041
68	5.67	0.27	0.194	(0.375)	0.154	0.041
69	5.75	0.27	0.194	(0.374)	0.154	0.041
70	5.83	0.27	0.194	(0.372)	0.154	0.041
71	5.92	0.27	0.194	(0.370)	0.154	0.041
72	6.00	0.27	0.194	(0.369)	0.154	0.041
73	6.08	0.30	0.219	(0.367)	0.173	0.046
74	6.17	0.30	0.219	(0.365)	0.173	0.046
75	6.25	0.30	0.219	(0.364)	0.173	0.046
76	6.33	0.30	0.219	(0.362)	0.173	0.046
77	6.42	0.30	0.219	(0.361)	0.173	0.046
78	6.50	0.30	0.219	(0.359)	0.173	0.046
79	6.58	0.33	0.243	(0.357)	0.192	0.051
80	6.67	0.33	0.243	(0.356)	0.192	0.051
81	6.75	0.33	0.243	(0.354)	0.192	0.051
82	6.83	0.33	0.243	(0.353)	0.192	0.051
83	6.92	0.33	0.243	(0.351)	0.192	0.051
84	7.00	0.33	0.243	(0.349)	0.192	0.051
85	7.08	0.33	0.243	(0.348)	0.192	0.051
86	7.17	0.33	0.243	(0.346)	0.192	0.051
87	7.25	0.33	0.243	(0.345)	0.192	0.051
88	7.33	0.37	0.267	(0.343)	0.211	0.056
89	7.42	0.37	0.267	(0.341)	0.211	0.056
90	7.50	0.37	0.267	(0.340)	0.211	0.056
91	7.58	0.40	0.292	(0.338)	0.230	0.061
92	7.67	0.40	0.292	(0.337)	0.230	0.061
93	7.75	0.40	0.292	(0.335)	0.230	0.061
94	7.83	0.43	0.316	(0.334)	0.250	0.066
95	7.92	0.43	0.316	(0.332)	0.250	0.066
96	8.00	0.43	0.316	(0.331)	0.250	0.066
97	8.08	0.50	0.365	(0.329)	0.288	0.077
98	8.17	0.50	0.365	(0.328)	0.288	0.077
99	8.25	0.50	0.365	(0.326)	0.288	0.077
100	8.33	0.50	0.365	(0.325)	0.288	0.077
101	8.42	0.50	0.365	(0.323)	0.288	0.077
102	8.50	0.50	0.365	(0.321)	0.288	0.077
103	8.58	0.53	0.389	(0.320)	0.307	0.082
104	8.67	0.53	0.389	(0.318)	0.307	0.082
105	8.75	0.53	0.389	(0.317)	0.307	0.082
106	8.83	0.57	0.413	0.315	(0.326)	0.098
107	8.92	0.57	0.413	0.314	(0.326)	0.099
108	9.00	0.57	0.413	0.312	(0.326)	0.101
109	9.08	0.63	0.462	0.311	(0.365)	0.151
110	9.17	0.63	0.462	0.310	(0.365)	0.152
111	9.25	0.63	0.462	0.308	(0.365)	0.154
112	9.33	0.67	0.486	0.307	(0.384)	0.180
113	9.42	0.67	0.486	0.305	(0.384)	0.181
114	9.50	0.67	0.486	0.304	(0.384)	0.182
115	9.58	0.70	0.510	0.302	(0.403)	0.208
116	9.67	0.70	0.510	0.301	(0.403)	0.210
117	9.75	0.70	0.510	0.299	(0.403)	0.211
118	9.83	0.73	0.535	0.298	(0.422)	0.237
119	9.92	0.73	0.535	0.296	(0.422)	0.238
120	10.00	0.73	0.535	0.295	(0.422)	0.240
121	10.08	0.50	0.365	(0.294)	0.288	0.077
122	10.17	0.50	0.365	(0.292)	0.288	0.077
123	10.25	0.50	0.365	(0.291)	0.288	0.077
124	10.33	0.50	0.365	(0.289)	0.288	0.077
125	10.42	0.50	0.365	0.288	(0.288)	0.077
126	10.50	0.50	0.365	0.287	(0.288)	0.078
127	10.58	0.67	0.486	0.285	(0.384)	0.201
128	10.67	0.67	0.486	0.284	(0.384)	0.202
129	10.75	0.67	0.486	0.282	(0.384)	0.204
130	10.83	0.67	0.486	0.281	(0.384)	0.205
131	10.92	0.67	0.486	0.280	(0.384)	0.207
132	11.00	0.67	0.486	0.278	(0.384)	0.208
133	11.08	0.63	0.462	0.277	(0.365)	0.185
134	11.17	0.63	0.462	0.275	(0.365)	0.186
135	11.25	0.63	0.462	0.274	(0.365)	0.188
136	11.33	0.63	0.462	0.273	(0.365)	0.189
137	11.42	0.63	0.462	0.271	(0.365)	0.190
138	11.50	0.63	0.462	0.270	(0.365)	0.192
139	11.58	0.57	0.413	0.269	(0.326)	0.144
140	11.67	0.57	0.413	0.267	(0.326)	0.146
141	11.75	0.57	0.413	0.266	(0.326)	0.147
142	11.83	0.60	0.437	0.265	(0.346)	0.173
143	11.92	0.60	0.437	0.263	(0.346)	0.174
144	12.00	0.60	0.437	0.262	(0.346)	0.175
145	12.08	0.83	0.608	0.261	(0.480)	0.347
146	12.17	0.83	0.608	0.259	(0.480)	0.348
147	12.25	0.83	0.608	0.258	(0.480)	0.349
148	12.33	0.87	0.632	0.257	(0.499)	0.375
149	12.42	0.87	0.632	0.256	(0.499)	0.376
150	12.50	0.87	0.632	0.254	(0.499)	0.378
151	12.58	0.93	0.681	0.253	(0.538)	0.428
152	12.67	0.93	0.681	0.252	(0.538)	0.429
153	12.75	0.93	0.681	0.250	(0.538)	0.430
154	12.83	0.97	0.705	0.249	(0.557)	0.456
155	12.92	0.97	0.705	0.248	(0.557)	0.457
156	13.00	0.97	0.705	0.247	(0.557)	0.458
157	13.08	1.13	0.826	0.245	(0.653)	0.581
158	13.17	1.13	0.826	0.244	(0.653)	0.582
159	13.25	1.13	0.826	0.243	(0.653)	0.583
160	13.33	1.13	0.826	0.242	(0.653)	0.585
161	13.42	1.13	0.826	0.241	(0.653)	0.586
162	13.50	1.13	0.826	0.239	(0.653)	0.587
163	13.58	0.77	0.559	0.238	(0.442)	0.321
164	13.67	0.77	0.559	0.237	(0.442)	0.322
165	13.75	0.77	0.559	0.236	(0.442)	0.323
166	13.83	0.77	0.559	0.234	(0.442)	0.325
167	13.92	0.77	0.559	0.233	(0.442)	0.326
168	14.00	0.77	0.559	0.232	(0.442)	0.327
169	14.08	0.90	0.656	0.231	(0.518)	0.425
170	14.17	0.90	0.656	0.230	(0.518)	0.427
171	14.25	0.90	0.656	0.229	(0.518)	0.428
172	14.33	0.87	0.632	0.227	(0.499)	0.405
173	14.42	0.87	0.632	0.226	(0.499)	0.406
174	14.50	0.87	0.632	0.225	(0.499)	0.407
175	14.58	0.87	0.632	0.224	(0.499)	0.408
176	14.67	0.87	0.632	0.223	(0.499)	0.409
177	14.75	0.87	0.632	0.222	(0.499)	0.410
178	14.83	0.83	0.608	0.220	(0.480)	0.387
179	14.92	0.83	0.608	0.219	(0.480)	0.388
180	15.00	0.83	0.608	0.218	(0.480)	0.389
181	15.08	0.80	0.583	0.217	(0.461)	0.366
182	15.17	0.80	0.583	0.216	(0.461)	0.367
183	15.25	0.80	0.583	0.215	(0.461)	0.368
184	15.33	0.77	0.559	0.214	(0.442)	0.345
185	15.42	0.77	0.559	0.213	(0.442)	0.346
186	15.50	0.77	0.559	0.212	(0.442)	0.347

187	15.58	0.63	0.462	0.210	(0.365)	0.251
188	15.67	0.63	0.462	0.209	(0.365)	0.252
189	15.75	0.63	0.462	0.208	(0.365)	0.253
190	15.83	0.63	0.462	0.207	(0.365)	0.255
191	15.92	0.63	0.462	0.206	(0.365)	0.256
192	16.00	0.63	0.462	0.205	(0.365)	0.257
193	16.08	0.13	0.097	(0.204)	0.077	0.020
194	16.17	0.13	0.097	(0.203)	0.077	0.020
195	16.25	0.13	0.097	(0.202)	0.077	0.020
196	16.33	0.13	0.097	(0.201)	0.077	0.020
197	16.42	0.13	0.097	(0.200)	0.077	0.020
198	16.50	0.13	0.097	(0.199)	0.077	0.020
199	16.58	0.10	0.073	(0.198)	0.058	0.015
200	16.67	0.10	0.073	(0.197)	0.058	0.015
201	16.75	0.10	0.073	(0.196)	0.058	0.015
202	16.83	0.10	0.073	(0.195)	0.058	0.015
203	16.92	0.10	0.073	(0.194)	0.058	0.015
204	17.00	0.10	0.073	(0.193)	0.058	0.015
205	17.08	0.17	0.122	(0.192)	0.096	0.026
206	17.17	0.17	0.122	(0.191)	0.096	0.026
207	17.25	0.17	0.122	(0.190)	0.096	0.026
208	17.33	0.17	0.122	(0.189)	0.096	0.026
209	17.42	0.17	0.122	(0.188)	0.096	0.026
210	17.50	0.17	0.122	(0.187)	0.096	0.026
211	17.58	0.17	0.122	(0.186)	0.096	0.026
212	17.67	0.17	0.122	(0.185)	0.096	0.026
213	17.75	0.17	0.122	(0.184)	0.096	0.026
214	17.83	0.13	0.097	(0.184)	0.077	0.020
215	17.92	0.13	0.097	(0.183)	0.077	0.020
216	18.00	0.13	0.097	(0.182)	0.077	0.020
217	18.08	0.13	0.097	(0.181)	0.077	0.020
218	18.17	0.13	0.097	(0.180)	0.077	0.020
219	18.25	0.13	0.097	(0.179)	0.077	0.020
220	18.33	0.13	0.097	(0.178)	0.077	0.020
221	18.42	0.13	0.097	(0.177)	0.077	0.020
222	18.50	0.13	0.097	(0.176)	0.077	0.020
223	18.58	0.10	0.073	(0.176)	0.058	0.015
224	18.67	0.10	0.073	(0.175)	0.058	0.015
225	18.75	0.10	0.073	(0.174)	0.058	0.015
226	18.83	0.07	0.049	(0.173)	0.038	0.010
227	18.92	0.07	0.049	(0.172)	0.038	0.010
228	19.00	0.07	0.049	(0.171)	0.038	0.010
229	19.08	0.10	0.073	(0.171)	0.058	0.015
230	19.17	0.10	0.073	(0.170)	0.058	0.015
231	19.25	0.10	0.073	(0.169)	0.058	0.015
232	19.33	0.13	0.097	(0.168)	0.077	0.020
233	19.42	0.13	0.097	(0.167)	0.077	0.020
234	19.50	0.13	0.097	(0.167)	0.077	0.020
235	19.58	0.10	0.073	(0.166)	0.058	0.015
236	19.67	0.10	0.073	(0.165)	0.058	0.015
237	19.75	0.10	0.073	(0.164)	0.058	0.015
238	19.83	0.07	0.049	(0.164)	0.038	0.010
239	19.92	0.07	0.049	(0.163)	0.038	0.010
240	20.00	0.07	0.049	(0.162)	0.038	0.010
241	20.08	0.10	0.073	(0.162)	0.058	0.015
242	20.17	0.10	0.073	(0.161)	0.058	0.015
243	20.25	0.10	0.073	(0.160)	0.058	0.015
244	20.33	0.10	0.073	(0.159)	0.058	0.015
245	20.42	0.10	0.073	(0.159)	0.058	0.015
246	20.50	0.10	0.073	(0.158)	0.058	0.015
247	20.58	0.10	0.073	(0.157)	0.058	0.015
248	20.67	0.10	0.073	(0.157)	0.058	0.015
249	20.75	0.10	0.073	(0.156)	0.058	0.015
250	20.83	0.07	0.049	(0.155)	0.038	0.010
251	20.92	0.07	0.049	(0.155)	0.038	0.010
252	21.00	0.07	0.049	(0.154)	0.038	0.010
253	21.08	0.10	0.073	(0.154)	0.058	0.015
254	21.17	0.10	0.073	(0.153)	0.058	0.015
255	21.25	0.10	0.073	(0.152)	0.058	0.015
256	21.33	0.07	0.049	(0.152)	0.038	0.010
257	21.42	0.07	0.049	(0.151)	0.038	0.010
258	21.50	0.07	0.049	(0.151)	0.038	0.010
259	21.58	0.10	0.073	(0.150)	0.058	0.015
260	21.67	0.10	0.073	(0.150)	0.058	0.015
261	21.75	0.10	0.073	(0.149)	0.058	0.015
262	21.83	0.07	0.049	(0.149)	0.038	0.010
263	21.92	0.07	0.049	(0.148)	0.038	0.010
264	22.00	0.07	0.049	(0.148)	0.038	0.010
265	22.08	0.10	0.073	(0.147)	0.058	0.015
266	22.17	0.10	0.073	(0.147)	0.058	0.015
267	22.25	0.10	0.073	(0.146)	0.058	0.015
268	22.33	0.07	0.049	(0.146)	0.038	0.010
269	22.42	0.07	0.049	(0.145)	0.038	0.010
270	22.50	0.07	0.049	(0.145)	0.038	0.010
271	22.58	0.07	0.049	(0.144)	0.038	0.010
272	22.67	0.07	0.049	(0.144)	0.038	0.010
273	22.75	0.07	0.049	(0.144)	0.038	0.010
274	22.83	0.07	0.049	(0.143)	0.038	0.010
275	22.92	0.07	0.049	(0.143)	0.038	0.010
276	23.00	0.07	0.049	(0.142)	0.038	0.010
277	23.08	0.07	0.049	(0.142)	0.038	0.010
278	23.17	0.07	0.049	(0.142)	0.038	0.010
279	23.25	0.07	0.049	(0.141)	0.038	0.010
280	23.33	0.07	0.049	(0.141)	0.038	0.010
281	23.42	0.07	0.049	(0.141)	0.038	0.010
282	23.50	0.07	0.049	(0.141)	0.038	0.010
283	23.58	0.07	0.049	(0.140)	0.038	0.010
284	23.67	0.07	0.049	(0.140)	0.038	0.010
285	23.75	0.07	0.049	(0.140)	0.038	0.010
286	23.83	0.07	0.049	(0.140)	0.038	0.010
287	23.92	0.07	0.049	(0.140)	0.038	0.010
288	24.00	0.07	0.049	(0.140)	0.038	0.010

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.6

Flood volume = Effective rainfall 2.55(In)
times area 304.9(Ac.)/[(In)/(Ft.)] = 64.7(Ac.Ft)
Total soil loss = 3.53(In)
Total soil loss = 89.667(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 2818939.0 Cubic Feet
Total soil loss = 3905877.8 Cubic Feet

Peak flow rate of this hydrograph = 154.667(CFS)

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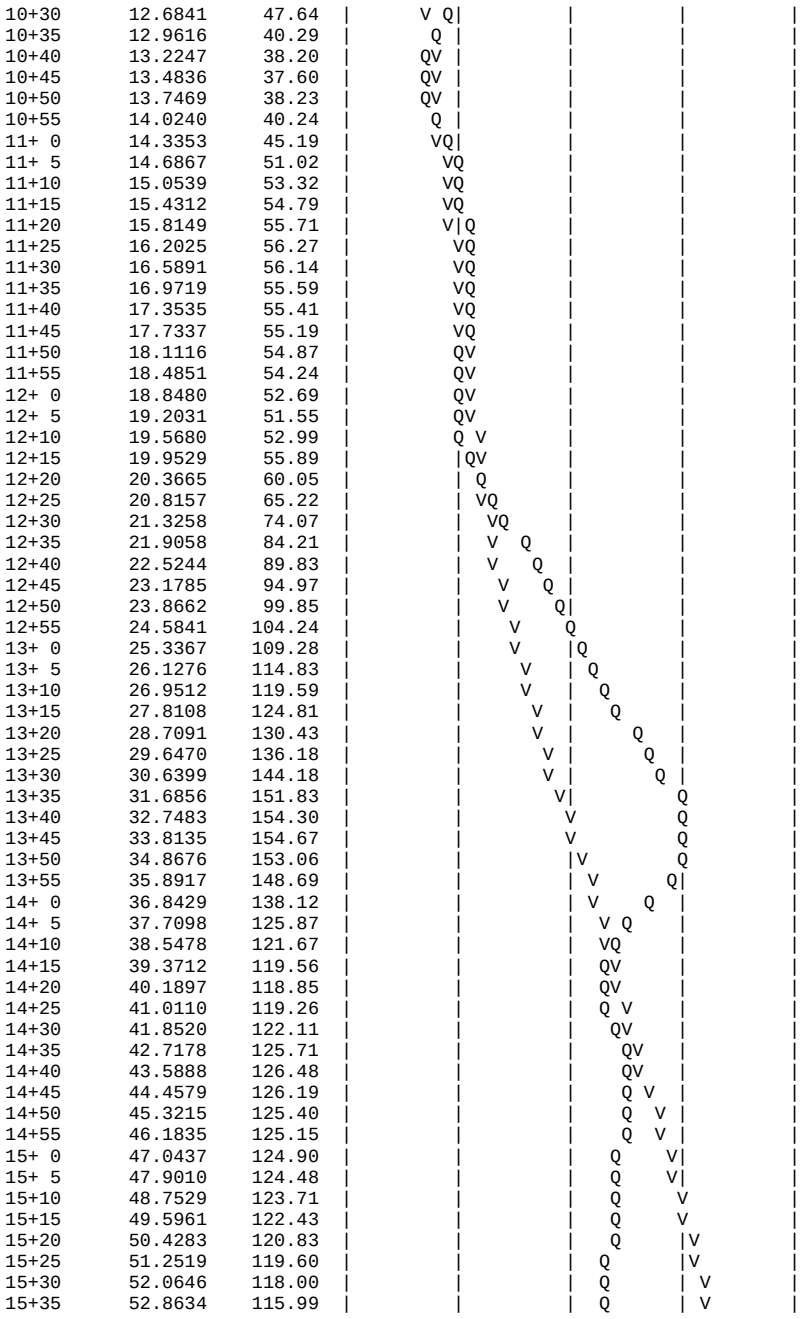
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

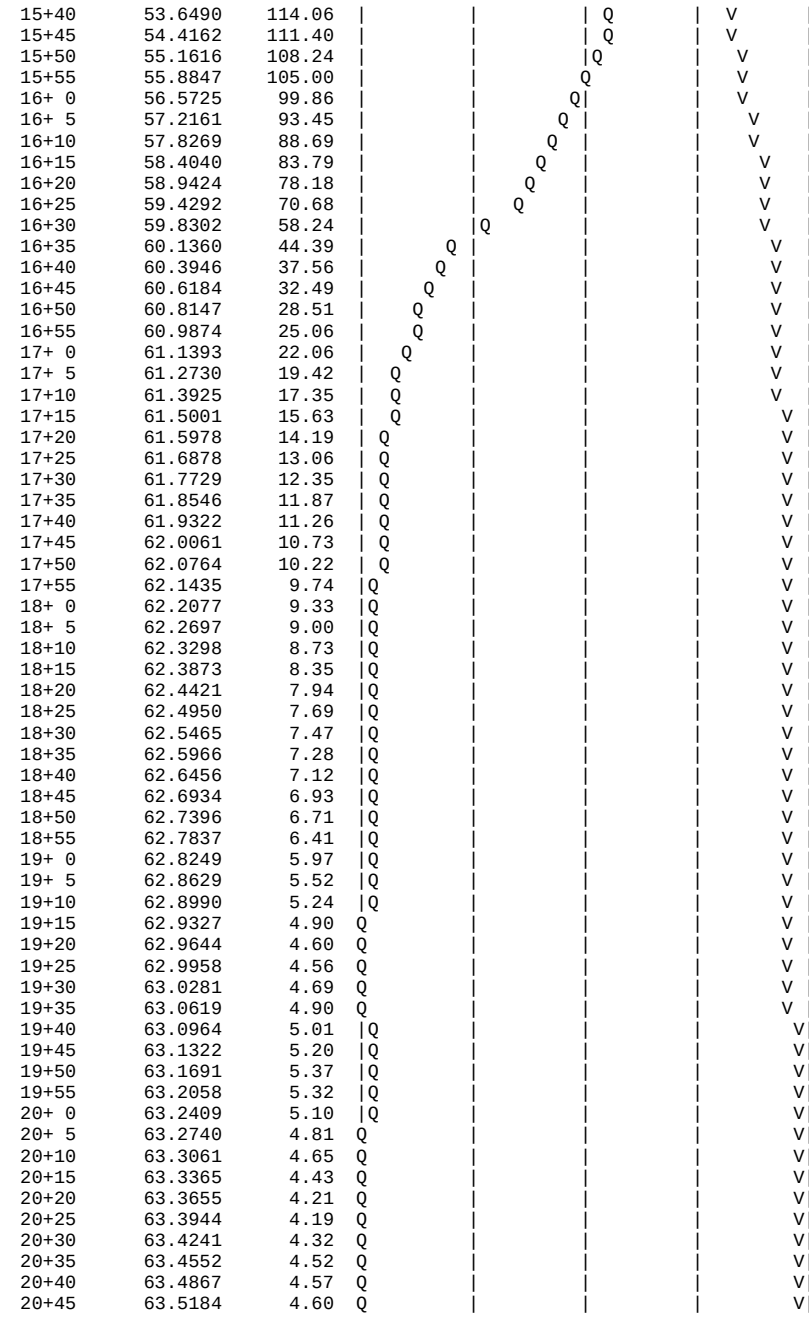
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0002	0.03	Q	|	|	|	|

0+10	0.0011	0.12	Q				
0+15	0.0028	0.25	Q				
0+20	0.0058	0.44	Q				
0+25	0.0110	0.75	Q				
0+30	0.0200	1.30	Q				
0+35	0.0334	1.95	Q				
0+40	0.0495	2.34	Q				
0+45	0.0685	2.76	Q				
0+50	0.0905	3.20	Q				
0+55	0.1146	3.49	Q				
1+ 0	0.1404	3.75	Q				
1+ 5	0.1677	3.97	Q				
1+10	0.1966	4.20	Q				
1+15	0.2276	4.49	Q				
1+20	0.2605	4.78	Q				
1+25	0.2940	4.86	Q				
1+30	0.3270	4.78	Q				
1+35	0.3589	4.64	Q				
1+40	0.3909	4.63	Q				
1+45	0.4228	4.64	Q				
1+50	0.4550	4.67	Q				
1+55	0.4875	4.73	Q				
2+ 0	0.5206	4.80	Q				
2+ 5	0.5544	4.90	Q				
2+10	0.5890	5.04	VQ				
2+15	0.6254	5.28	VQ				
2+20	0.6637	5.56	VQ				
2+25	0.7029	5.69	VQ				
2+30	0.7428	5.78	VQ				
2+35	0.7832	5.87	VQ				
2+40	0.8243	5.97	VQ				
2+45	0.8663	6.09	VQ				
2+50	0.9091	6.22	VQ				
2+55	0.9531	6.39	VQ				
3+ 0	0.9990	6.67	VQ				
3+ 5	1.0470	6.97	VQ				
3+10	1.0961	7.13	VQ				
3+15	1.1460	7.25	VQ				
3+20	1.1966	7.34	VQ				
3+25	1.2476	7.42	VQ				
3+30	1.2991	7.48	VQ				
3+35	1.3510	7.54	VQ				
3+40	1.4033	7.58	VQ				
3+45	1.4558	7.62	VQ				
3+50	1.5086	7.68	VQ				
3+55	1.5620	7.75	VQ				
4+ 0	1.6159	7.83	VQ				
4+ 5	1.6706	7.94	|Q				
4+10	1.7264	8.09	|Q				
4+15	1.7839	8.35	|Q				
4+20	1.8436	8.66	|Q				
4+25	1.9045	8.84	|Q				
4+30	1.9665	9.01	|Q				
4+35	2.0297	9.17	|Q				
4+40	2.0942	9.37	|Q				
4+45	2.1608	9.67	|Q				
4+50	2.2298	10.01	|VQ				
4+55	2.3002	10.23	|VQ				
5+ 0	2.3720	10.42	|VQ				
5+ 5	2.4448	10.57	|VQ				
5+10	2.5185	10.71	|VQ				
5+15	2.5936	10.90	|VQ				
5+20	2.6699	11.08	|VQ				
5+25	2.7459	11.04	|VQ				
5+30	2.8200	10.75	|VQ				
5+35	2.8917	10.42	|VQ				
5+40	2.9635	10.43	|VQ				
5+45	3.0368	10.64	|VQ				
5+50	3.1121	10.93	|VQ				
5+55	3.1887	11.13	|VQ				
6+ 0	3.2673	11.41	| Q				
6+ 5	3.3481	11.73	| Q				
6+10	3.4303	11.93	| Q				
6+15	3.5136	12.10	| Q				
6+20	3.5982	12.27	| Q				
6+25	3.6841	12.48	| Q				
6+30	3.7721	12.78	| Q				
6+35	3.8625	13.12	| Q				
6+40	3.9543	13.34	| Q				
6+45	4.0475	13.53	| Q				
6+50	4.1420	13.72	| Q				
6+55	4.2381	13.94	| Q				
7+ 0	4.3363	14.26	| Q				
7+ 5	4.4369	14.61	| Q				
7+10	4.5389	14.80	| Q				
7+15	4.6418	14.94	| Q				
7+20	4.7456	15.07	| VQ				
7+25	4.8504	15.21	| VQ				
7+30	4.9561	15.36	| Q				
7+35	5.0631	15.53	| Q				
7+40	5.1717	15.77	| Q				
7+45	5.2827	16.12	| Q				
7+50	5.3967	16.55	| Q				
7+55	5.5130	16.89	| Q				
8+ 0	5.6323	17.32	| Q				
8+ 5	5.7550	17.82	| Q				
8+10	5.8807	18.25	| Q				
8+15	6.0100	18.78	| Q				
8+20	6.1433	19.36	| Q				
8+25	6.2802	19.87	| Q				
8+30	6.4216	20.54	| VQ				
8+35	6.5681	21.27	| Q				
8+40	6.7175	21.69	| Q				
8+45	6.8694	22.05	| Q				
8+50	7.0238	22.43	| Q				
8+55	7.1816	22.91	| Q				
9+ 0	7.3437	23.54	| Q				
9+ 5	7.5120	24.44	| Q				
9+10	7.6883	25.59	| VQ				
9+15	7.8761	27.27	| VQ				
9+20	8.0786	29.40	| VQ				
9+25	8.2967	31.67	| VQ				
9+30	8.5378	35.00	| V Q				
9+35	8.8049	38.78	| V Q				
9+40	9.0904	41.45	| V Q				
9+45	9.3960	44.38	| V Q				
9+50	9.7226	47.43	| V Q|				
9+55	10.0670	50.00	| V Q|				
10+ 0	10.4314	52.91	| V Q				
10+ 5	10.8127	55.38	| V |Q				
10+10	11.2008	56.35	| V |Q				
10+15	11.5930	56.94	| V |Q				
10+20	11.9834	56.68	| V |Q				
10+25	12.3560	54.11	| V Q				



10+30	12.6841	47.64	V Q
10+35	12.9616	40.29	Q
10+40	13.2247	38.20	QV
10+45	13.4836	37.60	QV
10+50	13.7469	38.23	QV
10+55	14.0240	40.24	Q
11+ 0	14.3353	45.19	VQ
11+ 5	14.6867	51.02	VQ
11+10	15.0539	53.32	VQ
11+15	15.4312	54.79	VQ
11+20	15.8149	55.71	V Q
11+25	16.2025	56.27	VQ
11+30	16.5891	56.14	VQ
11+35	16.9719	55.59	VQ
11+40	17.3535	55.41	VQ
11+45	17.7337	55.19	VQ
11+50	18.1116	54.87	QV
11+55	18.4851	54.24	QV
12+ 0	18.8480	52.69	QV
12+ 5	19.2031	51.55	QV
12+10	19.5680	52.99	Q V
12+15	19.9529	55.89	QV
12+20	20.3665	60.05	Q
12+25	20.8157	65.22	VQ
12+30	21.3258	74.07	VQ
12+35	21.9058	84.21	V Q
12+40	22.5244	89.83	V Q
12+45	23.1785	94.97	V Q
12+50	23.8662	99.85	V Q
12+55	24.5841	104.24	V Q
13+ 0	25.3367	109.28	V Q
13+ 5	26.1276	114.83	V Q
13+10	26.9512	119.59	V Q
13+15	27.8108	124.81	V Q
13+20	28.7091	130.43	V Q
13+25	29.6470	136.18	V Q
13+30	30.6399	144.18	V Q
13+35	31.6856	151.83	V Q
13+40	32.7483	154.30	V Q
13+45	33.8135	154.67	V Q
13+50	34.8676	153.06	V Q
13+55	35.8917	148.69	V Q
14+ 0	36.8429	138.12	V Q
14+ 5	37.7098	125.87	V Q
14+10	38.5478	121.67	VQ
14+15	39.3712	119.56	QV
14+20	40.1897	118.85	QV
14+25	41.0110	119.26	Q V
14+30	41.8520	122.11	QV
14+35	42.7178	125.71	QV
14+40	43.5888	126.48	QV
14+45	44.4579	126.19	Q V
14+50	45.3215	125.40	Q V
14+55	46.1835	125.15	Q V
15+ 0	47.0437	124.90	Q V
15+ 5	47.9010	124.48	Q V
15+10	48.7529	123.71	Q V
15+15	49.5961	122.43	Q V
15+20	50.4283	120.83	Q V
15+25	51.2519	119.60	Q V
15+30	52.0646	118.00	Q V
15+35	52.8634	115.99	Q V



15+40	53.6490	114.06	Q V
15+45	54.4162	111.40	Q V
15+50	55.1616	108.24	Q V
15+55	55.8847	105.00	Q V
16+ 0	56.5725	99.86	Q V
16+ 5	57.2161	93.45	Q V
16+10	57.8269	88.69	Q V
16+15	58.4040	83.79	Q V
16+20	58.9424	78.18	Q V
16+25	59.4292	70.68	Q V
16+30	59.8302	58.24	Q V
16+35	60.1360	44.39	Q V
16+40	60.3946	37.56	Q V
16+45	60.6184	32.49	Q V
16+50	60.8147	28.51	Q V
16+55	60.9874	25.06	Q V
17+ 0	61.1393	22.06	Q V
17+ 5	61.2730	19.42	Q V
17+10	61.3925	17.35	Q V
17+15	61.5001	15.63	Q V
17+20	61.5978	14.19	Q V
17+25	61.6878	13.06	Q V
17+30	61.7729	12.35	Q V
17+35	61.8546	11.87	Q V
17+40	61.9322	11.26	Q V
17+45	62.0061	10.73	Q V
17+50	62.0764	10.22	Q V
17+55	62.1435	9.74	Q V
18+ 0	62.2077	9.33	Q V
18+ 5	62.2697	9.00	Q V
18+10	62.3298	8.73	Q V
18+15	62.3873	8.35	Q V
18+20	62.4421	7.94	Q V
18+25	62.4950	7.69	Q V
18+30	62.5465	7.47	Q V
18+35	62.5966	7.28	Q V
18+40	62.6456	7.12	Q V
18+45	62.6934	6.93	Q V
18+50	62.7396	6.71	Q V
18+55	62.7837	6.41	Q V
19+ 0	62.8249	5.97	Q V
19+ 5	62.8629	5.52	Q V
19+10	62.8990	5.24	Q V
19+15	62.9327	4.90	Q V
19+20	62.9644	4.60	Q V
19+25	62.9958	4.56	Q V
19+30	63.0281	4.69	Q V
19+35	63.0619	4.90	Q V
19+40	63.0964	5.01	Q V
19+45	63.1322	5.20	Q V
19+50	63.1691	5.37	Q V
19+55	63.2058	5.32	Q V
20+ 0	63.2409	5.10	Q V
20+ 5	63.2740	4.81	Q V
20+10	63.3061	4.65	Q V
20+15	63.3365	4.43	Q V
20+20	63.3655	4.21	Q V
20+25	63.3944	4.19	Q V
20+30	63.4241	4.32	Q V
20+35	63.4552	4.52	Q V
20+40	63.4867	4.57	Q V
20+45	63.5184	4.60	Q V

20+50	63.5501	4.61	Q	|	|	|	V|
20+55	63.5817	4.58	Q	|	|	|	V|
21+ 0	63.6129	4.53	Q	|	|	|	V|
21+ 5	63.6436	4.46	Q	|	|	|	V|
21+10	63.6738	4.38	Q	|	|	|	V|
21+15	63.7027	4.20	Q	|	|	|	V|
21+20	63.7302	4.00	Q	|	|	|	V|
21+25	63.7575	3.96	Q	|	|	|	V|
21+30	63.7854	4.05	Q	|	|	|	V|
21+35	63.8142	4.19	Q	|	|	|	V|
21+40	63.8429	4.17	Q	|	|	|	V|
21+45	63.8707	4.04	Q	|	|	|	V|
21+50	63.8973	3.86	Q	|	|	|	V|
21+55	63.9239	3.85	Q	|	|	|	V|
22+ 0	63.9512	3.96	Q	|	|	|	V|
22+ 5	63.9795	4.12	Q	|	|	|	V|
22+10	64.0078	4.11	Q	|	|	|	V|
22+15	64.0353	3.98	Q	|	|	|	V|
22+20	64.0615	3.81	Q	|	|	|	V|
22+25	64.0878	3.81	Q	|	|	|	V|
22+30	64.1148	3.92	Q	|	|	|	V|
22+35	64.1428	4.06	Q	|	|	|	V|
22+40	64.1704	4.02	Q	|	|	|	V|
22+45	64.1968	3.83	Q	|	|	|	V|
22+50	64.2216	3.59	Q	|	|	|	V|
22+55	64.2457	3.51	Q	|	|	|	V|
23+ 0	64.2694	3.44	Q	|	|	|	V|
23+ 5	64.2928	3.40	Q	|	|	|	V|
23+10	64.3160	3.36	Q	|	|	|	V|
23+15	64.3389	3.33	Q	|	|	|	V|
23+20	64.3616	3.30	Q	|	|	|	V|
23+25	64.3842	3.28	Q	|	|	|	V|
23+30	64.4066	3.26	Q	|	|	|	V|
23+35	64.4290	3.24	Q	|	|	|	V|
23+40	64.4512	3.23	Q	|	|	|	V|
23+45	64.4733	3.21	Q	|	|	|	V|
23+50	64.4953	3.20	Q	|	|	|	V|
23+55	64.5173	3.19	Q	|	|	|	V|
24+ 0	64.5392	3.18	Q	|	|	|	V|
24+ 5	64.5609	3.14	Q	|	|	|	V|
24+10	64.5819	3.05	Q	|	|	|	V|
24+15	64.6019	2.91	Q	|	|	|	V|
24+20	64.6207	2.73	Q	|	|	|	V|
24+25	64.6377	2.46	Q	|	|	|	V|
24+30	64.6513	1.97	Q	|	|	|	V|
24+35	64.6610	1.42	Q	|	|	|	V|
24+40	64.6690	1.16	Q	|	|	|	V|
24+45	64.6757	0.97	Q	|	|	|	V|
24+50	64.6815	0.83	Q	|	|	|	V|
24+55	64.6864	0.71	Q	|	|	|	V|
25+ 0	64.6906	0.61	Q	|	|	|	V|
25+ 5	64.6942	0.52	Q	|	|	|	V|
25+10	64.6973	0.45	Q	|	|	|	V|
25+15	64.6999	0.38	Q	|	|	|	V|
25+20	64.7021	0.33	Q	|	|	|	V|
25+25	64.7040	0.28	Q	|	|	|	V|
25+30	64.7056	0.23	Q	|	|	|	V|
25+35	64.7070	0.19	Q	|	|	|	V|
25+40	64.7081	0.16	Q	|	|	|	V|
25+45	64.7090	0.13	Q	|	|	|	V|
25+50	64.7098	0.11	Q	|	|	|	V|
25+55	64.7104	0.09	Q	|	|	|	V|
26+ 0	64.7109	0.07	Q	|	|	|	V|
26+ 5	64.7113	0.06	Q	|	|	|	V|
26+10	64.7117	0.06	Q	|	|	|	V|
26+15	64.7121	0.05	Q	|	|	|	V|
26+20	64.7124	0.04	Q	|	|	|	V|
26+25	64.7126	0.04	Q	|	|	|	V|
26+30	64.7129	0.03	Q	|	|	|	V|
26+35	64.7131	0.03	Q	|	|	|	V|
26+40	64.7133	0.03	Q	|	|	|	V|
26+45	64.7134	0.02	Q	|	|	|	V|
26+50	64.7136	0.02	Q	|	|	|	V|
26+55	64.7137	0.02	Q	|	|	|	V|
27+ 0	64.7138	0.01	Q	|	|	|	V|
27+ 5	64.7138	0.01	Q	|	|	|	V|
27+10	64.7139	0.01	Q	|	|	|	V|
27+15	64.7139	0.00	Q	|	|	|	V|
27+20	64.7139	0.00	Q	|	|	|	V|
27+25	64.7139	0.00	Q	|	|	|	V|
27+30	64.7139	0.00	Q	|	|	|	V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  08/06/24 File: MESAP5B1003100.out


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 5B
8/05/24
------------------------------------------------------------------------
Drainage Area =     106.64(Ac.)  =      0.167 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     106.64(Ac.)  =
0.167 Sq. Mi.
Length along longest watercourse =    6143.00(Ft.)
Length along longest watercourse measured to centroid =    3625.00(Ft.)
Length along longest watercourse =      1.163 Mi.
Length along longest watercourse measured to centroid =      0.687 Mi.
Difference in elevation =     139.30(Ft.)
Slope along watercourse =    119.7304 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.133 Hr.
Lag time =     7.99 Min.
25% of lag time =     2.00 Min.
40% of lag time =     3.20 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      106.64              0.94                  100.24

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      106.64              1.97                  210.08

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.95 %
Adjusted average point rain =    1.969(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     0.280             89.00          0.900
     0.740             92.00          0.900
     0.750             94.00          0.900
     3.550             95.00          0.900
     6.870             77.00          0.750
     4.720             85.00          0.750
    61.020             90.00          0.750
    15.290             75.00          0.380
     7.430             83.00          0.380
     1.320             68.00          0.200
     1.670             79.00          0.200
     0.310             65.00          0.120
     2.400             77.00          0.120
     0.290             82.00          0.120
 Total Area Entered =    106.64(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)      (In/Hr)       (Dec.)     (In/Hr)
89.0  89.0      0.141      0.900         0.027        0.003      0.000
92.0  92.0      0.104      0.900         0.020        0.007      0.000
94.0  94.0      0.078      0.900         0.015        0.007      0.000
95.0  95.0      0.065      0.900         0.012        0.033      0.000
77.0  77.0      0.279      0.750         0.091        0.064      0.006
85.0  85.0      0.187      0.750         0.061        0.044      0.003
90.0  90.0      0.130      0.750         0.042        0.572      0.024
75.0  75.0      0.303      0.380         0.199        0.143      0.029
83.0  83.0      0.210      0.380         0.138        0.070      0.010
68.0  68.0      0.384      0.200         0.315        0.012      0.004
79.0  79.0      0.256      0.200         0.210        0.016      0.003
65.0  65.0      0.416      0.120         0.371        0.003      0.001
77.0  77.0      0.279      0.120         0.249        0.023      0.006
82.0  82.0      0.221      0.120         0.197        0.003      0.001
                                                   Sum (F) =   0.086
Area averaged mean soil loss (F) (In/Hr) =  0.086
Minimum soil loss rate ((In/Hr)) =  0.043
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.460
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083         62.583          5.966             6.412
    2   0.167        125.166         34.280            36.842
    3   0.250        187.749         32.745            35.192
    4   0.333        250.331         11.980            12.875
    5   0.417        312.914          6.860             7.373
    6   0.500        375.497          4.031             4.332
```

7	0.583	438.080	2.043	2.196
8	0.667	500.663	0.787	0.846
9	0.750	563.246	0.503	0.541
10	0.833	625.828	0.440	0.473
11	0.917	688.411	0.270	0.290
12	1.000	750.994	0.095	0.102
		Sum = 100.000	Sum=	107.473

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.086	(0.141)	0.221
2	0.17	1.30	0.307	0.086	(0.141)	0.221
3	0.25	1.10	0.260	0.086	(0.120)	0.174
4	0.33	1.50	0.354	0.086	(0.163)	0.268
5	0.42	1.50	0.354	0.086	(0.163)	0.268
6	0.50	1.80	0.425	0.086	(0.196)	0.339
7	0.58	1.50	0.354	0.086	(0.163)	0.268
8	0.67	1.80	0.425	0.086	(0.196)	0.339
9	0.75	1.80	0.425	0.086	(0.196)	0.339
10	0.83	1.50	0.354	0.086	(0.163)	0.268
11	0.92	1.60	0.378	0.086	(0.174)	0.292
12	1.00	1.80	0.425	0.086	(0.196)	0.339
13	1.08	2.20	0.520	0.086	(0.239)	0.434
14	1.17	2.20	0.520	0.086	(0.239)	0.434
15	1.25	2.20	0.520	0.086	(0.239)	0.434
16	1.33	2.00	0.473	0.086	(0.217)	0.387
17	1.42	2.60	0.614	0.086	(0.283)	0.528
18	1.50	2.70	0.638	0.086	(0.293)	0.552
19	1.58	2.40	0.567	0.086	(0.261)	0.481
20	1.67	2.70	0.638	0.086	(0.293)	0.552
21	1.75	3.30	0.780	0.086	(0.359)	0.694
22	1.83	3.10	0.732	0.086	(0.337)	0.646
23	1.92	2.90	0.685	0.086	(0.315)	0.599
24	2.00	3.00	0.709	0.086	(0.326)	0.623
25	2.08	3.10	0.732	0.086	(0.337)	0.646
26	2.17	4.20	0.992	0.086	(0.457)	0.906
27	2.25	5.00	1.181	0.086	(0.543)	1.095
28	2.33	3.50	0.827	0.086	(0.380)	0.741
29	2.42	6.80	1.607	0.086	(0.739)	1.521
30	2.50	7.30	1.725	0.086	(0.793)	1.639
31	2.58	8.20	1.938	0.086	(0.891)	1.852
32	2.67	5.90	1.394	0.086	(0.641)	1.308
33	2.75	2.00	0.473	0.086	(0.217)	0.387
34	2.83	1.80	0.425	0.086	(0.196)	0.339
35	2.92	1.80	0.425	0.086	(0.196)	0.339
36	3.00	0.60	0.142	(0.086)	0.065	0.077
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	20.6

Flood volume = Effective rainfall 1.71(In)
times area 106.6(Ac.)/[(In)/(Ft.)] = 15.2(Ac.Ft)
Total soil loss = 0.26(In)
Total soil loss = 2.279(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 662983.8 Cubic Feet
Total soil loss = 99253.7 Cubic Feet

Peak flow rate of this hydrograph = 167.566(CFS)

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 50.0 100.0 150.0 200.0
0+ 5	0.0098	1.42	Q
0+10	0.0757	9.57	VQ
0+15	0.1931	17.05	V Q
0+20	0.3224	18.77	V Q
0+25	0.4754	22.22	V Q
0+30	0.6568	26.35	V Q
0+35	0.8625	29.86	V Q
0+40	1.0752	30.88	V Q
0+45	1.2978	32.33	V Q
0+50	1.5338	34.26	V Q
0+55	1.7584	32.61	V Q
1+ 0	1.9768	31.71	VQ
1+ 5	2.2125	34.22	VQ
1+10	2.4832	39.31	VQ
1+15	2.7806	43.18	VQ
1+20	3.0865	44.41	Q
1+25	3.3929	44.49	Q
1+30	3.7284	48.72	Q
1+35	4.0986	53.75	Q
1+40	4.4705	54.00	QV
1+45	4.8578	56.24	QV
1+50	5.2951	63.49	QV
1+55	5.7582	67.24	Q V
2+ 0	6.2140	66.18	Q V
2+ 5	6.6699	66.20	Q V
2+10	7.1478	69.39	Q V
2+15	7.7067	81.15	Q V
2+20	8.3631	95.31	Q V
2+25	9.0344	97.48	Q V
2+30	9.8541	119.02	Q V
2+35	10.8887	150.22	V Q
2+40	12.0428	167.57	V Q
2+45	13.1136	155.49	Q V
2+50	13.8616	108.61	Q V
2+55	14.3516	71.14	Q V
3+ 0	14.7216	53.73	Q V
3+ 5	14.9606	34.70	Q V
3+10	15.0819	17.62	Q V
3+15	15.1454	9.21	Q V
3+20	15.1820	5.32	Q V
3+25	15.2020	2.90	Q V
3+30	15.2115	1.39	Q V
3+35	15.2161	0.65	Q V
3+40	15.2184	0.34	Q V
3+45	15.2196	0.17	Q V
3+50	15.2200	0.06	Q V
3+55	15.2200	0.01	Q V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  08/06/24 File: MESAP5B1006100.out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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 5B
8/05/24
------------------------------------------------------------------------
Drainage Area =     106.64(Ac.)  =      0.167 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     106.64(Ac.)  =
0.167 Sq. Mi.
Length along longest watercourse =    6143.00(Ft.)
Length along longest watercourse measured to centroid =    3625.00(Ft.)
Length along longest watercourse =      1.163 Mi.
Length along longest watercourse measured to centroid =      0.687 Mi.
Difference in elevation =     139.30(Ft.)
Slope along watercourse =    119.7304 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.133 Hr.
Lag time =     7.99 Min.
25% of lag time =     2.00 Min.
40% of lag time =     3.20 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      106.64              1.35                  143.96

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      106.64              2.78                  296.46

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.96 %
Adjusted average point rain =    2.779(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     0.280             89.00          0.900
     0.740             92.00          0.900
     0.750             94.00          0.900
     3.550             95.00          0.900
     6.870             77.00          0.750
     4.720             85.00          0.750
    61.020             90.00          0.750
    15.290             75.00          0.380
     7.430             83.00          0.380
     1.320             68.00          0.200
     1.670             79.00          0.200
     0.310             65.00          0.120
     2.400             77.00          0.120
     0.290             82.00          0.120
 Total Area Entered =    106.64(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)      (In/Hr)       (Dec.)     (In/Hr)
89.0  89.0      0.141      0.900         0.027        0.003      0.000
92.0  92.0      0.104      0.900         0.020        0.007      0.000
94.0  94.0      0.078      0.900         0.015        0.007      0.000
95.0  95.0      0.065      0.900         0.012        0.033      0.000
77.0  77.0      0.279      0.750         0.091        0.064      0.006
85.0  85.0      0.187      0.750         0.061        0.044      0.003
90.0  90.0      0.130      0.750         0.042        0.572      0.024
75.0  75.0      0.303      0.380         0.199        0.143      0.029
83.0  83.0      0.210      0.380         0.138        0.070      0.010
68.0  68.0      0.384      0.200         0.315        0.012      0.004
79.0  79.0      0.256      0.200         0.210        0.016      0.003
65.0  65.0      0.416      0.120         0.371        0.003      0.001
77.0  77.0      0.279      0.120         0.249        0.023      0.006
82.0  82.0      0.221      0.120         0.197        0.003      0.001
                                                  Sum (F) =   0.086
Area averaged mean soil loss (F) (In/Hr) =  0.086
Minimum soil loss rate ((In/Hr)) =  0.043
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.460
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083         62.583          5.966             6.412
    2   0.167        125.166         34.280            36.842
    3   0.250        187.749         32.745            35.192
    4   0.333        250.331         11.980            12.875
    5   0.417        312.914          6.860             7.373
    6   0.500        375.497          4.031             4.332
```

7	0.583	438.080	2.043	2.196
8	0.667	500.663	0.787	0.846
9	0.750	563.246	0.503	0.541
10	0.833	625.828	0.440	0.473
11	0.917	688.411	0.270	0.290
12	1.000	750.994	0.095	0.102
			Sum = 100.000	Sum= 107.473

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.086)	0.077	0.090
2	0.17	0.60	0.200	0.086	(0.092)	0.114
3	0.25	0.60	0.200	0.086	(0.092)	0.114
4	0.33	0.60	0.200	0.086	(0.092)	0.114
5	0.42	0.60	0.200	0.086	(0.092)	0.114
6	0.50	0.70	0.233	0.086	(0.107)	0.147
7	0.58	0.70	0.233	0.086	(0.107)	0.147
8	0.67	0.70	0.233	0.086	(0.107)	0.147
9	0.75	0.70	0.233	0.086	(0.107)	0.147
10	0.83	0.70	0.233	0.086	(0.107)	0.147
11	0.92	0.70	0.233	0.086	(0.107)	0.147
12	1.00	0.80	0.267	0.086	(0.123)	0.181
13	1.08	0.80	0.267	0.086	(0.123)	0.181
14	1.17	0.80	0.267	0.086	(0.123)	0.181
15	1.25	0.80	0.267	0.086	(0.123)	0.181
16	1.33	0.80	0.267	0.086	(0.123)	0.181
17	1.42	0.80	0.267	0.086	(0.123)	0.181
18	1.50	0.80	0.267	0.086	(0.123)	0.181
19	1.58	0.80	0.267	0.086	(0.123)	0.181
20	1.67	0.80	0.267	0.086	(0.123)	0.181
21	1.75	0.80	0.267	0.086	(0.123)	0.181
22	1.83	0.80	0.267	0.086	(0.123)	0.181
23	1.92	0.80	0.267	0.086	(0.123)	0.181
24	2.00	0.90	0.300	0.086	(0.138)	0.214
25	2.08	0.80	0.267	0.086	(0.123)	0.181
26	2.17	0.90	0.300	0.086	(0.138)	0.214
27	2.25	0.90	0.300	0.086	(0.138)	0.214
28	2.33	0.90	0.300	0.086	(0.138)	0.214
29	2.42	0.90	0.300	0.086	(0.138)	0.214
30	2.50	0.90	0.300	0.086	(0.138)	0.214
31	2.58	0.90	0.300	0.086	(0.138)	0.214
32	2.67	0.90	0.300	0.086	(0.138)	0.214
33	2.75	1.00	0.333	0.086	(0.153)	0.247
34	2.83	1.00	0.333	0.086	(0.153)	0.247
35	2.92	1.00	0.333	0.086	(0.153)	0.247
36	3.00	1.00	0.333	0.086	(0.153)	0.247
37	3.08	1.00	0.333	0.086	(0.153)	0.247
38	3.17	1.10	0.367	0.086	(0.169)	0.281
39	3.25	1.10	0.367	0.086	(0.169)	0.281
40	3.33	1.10	0.367	0.086	(0.169)	0.281
41	3.42	1.20	0.400	0.086	(0.184)	0.314
42	3.50	1.30	0.434	0.086	(0.199)	0.347
43	3.58	1.40	0.467	0.086	(0.215)	0.381
44	3.67	1.40	0.467	0.086	(0.215)	0.381
45	3.75	1.50	0.500	0.086	(0.230)	0.414
46	3.83	1.50	0.500	0.086	(0.230)	0.414
47	3.92	1.60	0.534	0.086	(0.245)	0.448
48	4.00	1.60	0.534	0.086	(0.245)	0.448
49	4.08	1.70	0.567	0.086	(0.261)	0.481
50	4.17	1.80	0.600	0.086	(0.276)	0.514
51	4.25	1.90	0.634	0.086	(0.291)	0.548
52	4.33	2.00	0.667	0.086	(0.307)	0.581
53	4.42	2.10	0.700	0.086	(0.322)	0.614
54	4.50	2.10	0.700	0.086	(0.322)	0.614
55	4.58	2.20	0.734	0.086	(0.337)	0.648
56	4.67	2.30	0.767	0.086	(0.353)	0.681
57	4.75	2.40	0.800	0.086	(0.368)	0.714
58	4.83	2.40	0.800	0.086	(0.368)	0.714
59	4.92	2.50	0.834	0.086	(0.383)	0.748
60	5.00	2.60	0.867	0.086	(0.399)	0.781
61	5.08	3.10	1.034	0.086	(0.476)	0.948
62	5.17	3.60	1.201	0.086	(0.552)	1.114
63	5.25	3.90	1.301	0.086	(0.598)	1.215
64	5.33	4.20	1.401	0.086	(0.644)	1.315
65	5.42	4.70	1.567	0.086	(0.721)	1.481
66	5.50	5.60	1.867	0.086	(0.859)	1.781
67	5.58	1.90	0.634	0.086	(0.291)	0.548
68	5.67	0.90	0.300	0.086	(0.138)	0.214
69	5.75	0.60	0.200	0.086	(0.092)	0.114
70	5.83	0.50	0.167	(0.086)	0.077	0.090
71	5.92	0.30	0.100	(0.086)	0.046	0.054
72	6.00	0.20	0.067	(0.086)	0.031	0.036

(Loss Rate Not Used)

Sum = 100.0 Sum = 27.3

Flood volume = Effective rainfall 2.27(In)
times area 106.6(Ac.)/[(In)/(Ft.)] = 20.2(Ac.Ft)
Total soil loss = 0.51(In)
Total soil loss = 4.503(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 879581.3 Cubic Feet
Total soil loss = 196171.1 Cubic Feet

Peak flow rate of this hydrograph = 155.820(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0040	0.58	Q	|	|	|	|
0+10	0.0319	4.05	Q	|	|	|	|
0+15	0.0877	8.11	VQ	|	|	|	|
0+20	0.1573	10.11	V Q	|	|	|	|
0+25	0.2337	11.08	V Q	|	|	|	|
0+30	0.3154	11.87	V Q	|	|	|	|
0+35	0.4076	13.40	V Q	|	|	|	|
0+40	0.5089	14.70	|VQ	|	|	|	|
0+45	0.6135	15.20	|V Q	|	|	|	|
0+50	0.7203	15.50	|V Q	|	|	|	|
0+55	0.8283	15.68	|V Q	|	|	|	|
1+ 0	0.9384	15.98	|V Q	|	|	|	|
1+ 5	1.0571	17.24	| VQ	|	|	|	|
1+10	1.1841	18.44	| VQ	|	|	|	|
1+15	1.3142	18.88	| VQ	|	|	|	|
1+20	1.4460	19.14	| VQ	|	|	|	|

```
1+25      1.5788     19.29  |  Q      |         |         |         |
1+30      1.7121     19.36  |  Q      |         |         |         |
1+35      1.8456     19.39  |  Q      |         |         |         |
1+40      1.9793     19.41  |  Q      |         |         |         |
1+45      2.1130     19.42  |  QV     |         |         |         |
1+50      2.2469     19.43  |  QV     |         |         |         |
1+55      2.3807     19.43  |  QV     |         |         |         |
2+ 0      2.5160     19.65  |  QV     |         |         |         |
2+ 5      2.6583     20.66  |   QV    |         |         |         |
2+10      2.8017     20.82  |   QV    |         |         |         |
2+15      2.9485     21.31  |   QV    |         |         |         |
2+20      3.1021     22.30  |   Q V   |         |         |         |
2+25      3.2579     22.63  |   Q V   |         |         |         |
2+30      3.4149     22.80  |   Q V   |         |         |         |
2+35      3.5726     22.90  |   Q  V  |         |         |         |
2+40      3.7308     22.96  |   Q  V  |         |         |         |
2+45      3.8906     23.20  |   Q  V  |         |         |         |
2+50      4.0589     24.44  |   Q   V |         |         |         |
2+55      4.2354     25.63  |    Q  V |         |         |         |
3+ 0      4.4149     26.06  |    Q  V |         |         |         |
3+ 5      4.5961     26.31  |    Q   V|         |         |         |
3+10      4.7798     26.67  |    Q   V|         |         |         |
3+15      4.9725     27.97  |    Q   V|         |         |         |
3+20      5.1734     29.18  |    Q    V         |         |         |
3+25      5.3789     29.84  |    Q    V         |         |         |
3+30      5.5962     31.54  |     Q   |V        |         |         |
3+35      5.8325     34.31  |     Q   |V        |         |         |
3+40      6.0888     37.22  |      Q  | V       |         |         |
3+45      6.3596     39.32  |      Q  | V       |         |         |
3+50      6.6446     41.38  |       Q |  V      |         |         |
3+55      6.9425     43.25  |       Q |  V      |         |         |
4+ 0      7.2536     45.17  |        Q|   V     |         |         |
4+ 5      7.5767     46.92  |        Q|    V    |         |         |
4+10      7.9142     49.00  |        Q|    V    |         |         |
4+15      8.2722     51.98  |         Q     V   |         |         |
4+20      8.6526     55.23  |         |Q     V  |         |         |
4+25      9.0564     58.63  |         |Q     V  |         |         |
4+30      9.4827     61.90  |         | Q     V |         |         |
4+35      9.9249     64.21  |         | Q      V|         |         |
4+40     10.3835     66.59  |         |  Q      V         |         |
4+45     10.8637     69.73  |         |  Q      |V        |         |
4+50     11.3654     72.85  |         |   Q     | V       |         |
4+55     11.8823     75.05  |         |    Q    |  V      |         |
5+ 0     12.4153     77.39  |         |    Q    |   V     |         |
5+ 5     12.9757     81.38  |         |     Q   |    V    |         |
5+10     13.5988     90.47  |         |       Q |     V   |         |
5+15     14.3146    103.94  |         |         Q       V |         |
5+20     15.1186    116.74  |         |          |  Q     V|         |
5+25     16.0047    128.66  |         |          |   Q     |V        |
5+30     16.9939    143.63  |         |          |       Q |  V      |
5+35     18.0670    155.82  |         |          |         |Q   V    |
5+40     18.9116    122.63  |         |          |   Q     |      V  |
5+45     19.4093     72.26  |         |   Q      |         |       V |
5+50     19.7137     44.20  |       Q |          |         |        V|
5+55     19.9073     28.11  |    Q    |          |         |        V|
6+ 0     20.0291     17.69  |  Q      |          |         |        V|
6+ 5     20.1032     10.76  | Q       |          |         |        V|
6+10     20.1461      6.23  |Q        |          |         |        V|
6+15     20.1694      3.39  Q         |          |         |        V|
6+20     20.1821      1.84  Q         |          |         |        V|
6+25     20.1879      0.86  Q         |          |         |        V|
6+30     20.1903      0.35  Q         |          |         |        V|
6+35     20.1914      0.16  Q         |          |         |        V|
6+40     20.1920      0.08  Q         |          |         |        V|
6+45     20.1923      0.04  Q         |          |         |        V|
6+50     20.1924      0.02  Q         |          |         |        V|
6+55     20.1924      0.00  Q         |          |         |        V|
-------------------------------------------------------------------
```

```
                U n i t   H y d r o g r a p h   A n a l y s i s

                Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                        Study date  08/06/24 File: MESAP5B10024100.out


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        ----------------------------------------------------------------------

        Riverside County Synthetic Unit Hydrology Method
        RCFC & WCD Manual date - April 1978


        Program License Serial Number 6406

        ----------------------------------------------------------------------
         English (in-lb) Input Units Used
         English Rainfall Data (Inches) Input Values Used

         English Units used in output format



        ----------------------------------------------------------------------
        MESA VERDE ESTATES
        PROPOSED CONDITION
        AREA 5B
        8/05/24
        ----------------------------------------------------------------------
        Drainage Area =     106.64(Ac.)  =      0.167 Sq. Mi.
        Drainage Area for Depth-Area Areal Adjustment =     106.64(Ac.)  =
0.167 Sq. Mi.
        Length along longest watercourse =    6143.00(Ft.)
        Length along longest watercourse measured to centroid =    3625.00(Ft.)
        Length along longest watercourse =      1.163 Mi.
        Length along longest watercourse measured to centroid =      0.687 Mi.
        Difference in elevation =     139.30(Ft.)
        Slope along watercourse =    119.7304 Ft./Mi.
        Average Manning's 'N' = 0.015
        Lag time =    0.133 Hr.
        Lag time =     7.99 Min.
        25% of lag time =     2.00 Min.
        40% of lag time =     3.20 Min.
        Unit time =     5.00 Min.
        Duration of storm = 24 Hour(s)
        User Entered Base Flow =     0.00(CFS)

        2 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
              106.64              2.45                   261.27

        100 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
              106.64              6.08                   648.37

        STORM EVENT (YEAR) =  100.00
        Area Averaged 2-Year Rainfall =    2.450(In)

        Area Averaged 100-Year Rainfall =    6.080(In)

        Point rain (area averaged) =    6.080(In)
        Areal adjustment factor =   99.98 %
        Adjusted average point rain =    6.079(In)

        Sub-Area Data:
        Area(Ac.)          Runoff Index   Impervious %
             0.280             89.00          0.900
             0.740             92.00          0.900
             0.750             94.00          0.900
             3.550             95.00          0.900
             6.870             77.00          0.750
             4.720             85.00          0.750
            61.020             90.00          0.750
            15.290             75.00          0.380
             7.430             83.00          0.380
             1.320             68.00          0.200
             1.670             79.00          0.200
             0.310             65.00          0.120
             2.400             77.00          0.120
             0.290             82.00          0.120
         Total Area Entered =    106.64(Ac.)


        RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
        AMC2 AMC-2     (In/Hr)     (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
        89.0  89.0      0.141      0.900        0.027        0.003      0.000
        92.0  92.0      0.104      0.900        0.020        0.007      0.000
        94.0  94.0      0.078      0.900        0.015        0.007      0.000
        95.0  95.0      0.065      0.900        0.012        0.033      0.000
        77.0  77.0      0.279      0.750        0.091        0.064      0.006
        85.0  85.0      0.187      0.750        0.061        0.044      0.003
        90.0  90.0      0.130      0.750        0.042        0.572      0.024
        75.0  75.0      0.303      0.380        0.199        0.143      0.029
        83.0  83.0      0.210      0.380        0.138        0.070      0.010
        68.0  68.0      0.384      0.200        0.315        0.012      0.004
        79.0  79.0      0.256      0.200        0.210        0.016      0.003
        65.0  65.0      0.416      0.120        0.371        0.003      0.001
        77.0  77.0      0.279      0.120        0.249        0.023      0.006
        82.0  82.0      0.221      0.120        0.197        0.003      0.001
                                                             Sum (F) =   0.086
        Area averaged mean soil loss (F) (In/Hr) =  0.086
        Minimum soil loss rate ((In/Hr)) =  0.043
        (for 24 hour storm duration)
        Soil low loss rate (decimal) =   0.460
        ----------------------------------------------------------------------

                        U n i t  H y d r o g r a p h
                              FOOTHILL S-Curve
        ----------------------------------------------------------------------
                        Unit Hydrograph Data
        ----------------------------------------------------------------------
        Unit time period   Time % of lag   Distribution   Unit Hydrograph
            (hrs)                          Graph %           (CFS)
        ----------------------------------------------------------------------
            1   0.083         62.583          5.966             6.412
            2   0.167        125.166         34.280            36.842
            3   0.250        187.749         32.745            35.192
            4   0.333        250.331         11.980            12.875
            5   0.417        312.914          6.860             7.373
            6   0.500        375.497          4.031             4.332
```

7	0.583	438.080	2.043	2.196
8	0.667	500.663	0.787	0.846
9	0.750	563.246	0.503	0.541
10	0.833	625.828	0.440	0.473
11	0.917	688.411	0.270	0.290
12	1.000	750.994	0.095	0.102
			Sum = 100.000	Sum= 107.473

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.153)	0.022	0.026
2	0.17	0.07	0.049	(0.152)	0.022	0.026
3	0.25	0.07	0.049	(0.151)	0.022	0.026
4	0.33	0.10	0.073	(0.151)	0.034	0.039
5	0.42	0.10	0.073	(0.150)	0.034	0.039
6	0.50	0.10	0.073	(0.150)	0.034	0.039
7	0.58	0.10	0.073	(0.149)	0.034	0.039
8	0.67	0.10	0.073	(0.148)	0.034	0.039
9	0.75	0.10	0.073	(0.148)	0.034	0.039
10	0.83	0.13	0.097	(0.147)	0.045	0.053
11	0.92	0.13	0.097	(0.147)	0.045	0.053
12	1.00	0.13	0.097	(0.146)	0.045	0.053
13	1.08	0.10	0.073	(0.146)	0.034	0.039
14	1.17	0.10	0.073	(0.145)	0.034	0.039
15	1.25	0.10	0.073	(0.144)	0.034	0.039
16	1.33	0.10	0.073	(0.144)	0.034	0.039
17	1.42	0.10	0.073	(0.143)	0.034	0.039
18	1.50	0.10	0.073	(0.143)	0.034	0.039
19	1.58	0.10	0.073	(0.142)	0.034	0.039
20	1.67	0.10	0.073	(0.142)	0.034	0.039
21	1.75	0.10	0.073	(0.141)	0.034	0.039
22	1.83	0.13	0.097	(0.140)	0.045	0.053
23	1.92	0.13	0.097	(0.140)	0.045	0.053
24	2.00	0.13	0.097	(0.139)	0.045	0.053
25	2.08	0.13	0.097	(0.139)	0.045	0.053
26	2.17	0.13	0.097	(0.138)	0.045	0.053
27	2.25	0.13	0.097	(0.138)	0.045	0.053
28	2.33	0.13	0.097	(0.137)	0.045	0.053
29	2.42	0.13	0.097	(0.136)	0.045	0.053
30	2.50	0.13	0.097	(0.136)	0.045	0.053
31	2.58	0.17	0.122	(0.135)	0.056	0.066
32	2.67	0.17	0.122	(0.135)	0.056	0.066
33	2.75	0.17	0.122	(0.134)	0.056	0.066
34	2.83	0.17	0.122	(0.134)	0.056	0.066
35	2.92	0.17	0.122	(0.133)	0.056	0.066
36	3.00	0.17	0.122	(0.133)	0.056	0.066
37	3.08	0.17	0.122	(0.132)	0.056	0.066
38	3.17	0.17	0.122	(0.131)	0.056	0.066
39	3.25	0.17	0.122	(0.131)	0.056	0.066
40	3.33	0.17	0.122	(0.130)	0.056	0.066
41	3.42	0.17	0.122	(0.130)	0.056	0.066
42	3.50	0.17	0.122	(0.129)	0.056	0.066
43	3.58	0.17	0.122	(0.129)	0.056	0.066
44	3.67	0.17	0.122	(0.128)	0.056	0.066
45	3.75	0.17	0.122	(0.128)	0.056	0.066
46	3.83	0.20	0.146	(0.127)	0.067	0.079
47	3.92	0.20	0.146	(0.127)	0.067	0.079
48	4.00	0.20	0.146	(0.126)	0.067	0.079
49	4.08	0.20	0.146	(0.126)	0.067	0.079
50	4.17	0.20	0.146	(0.125)	0.067	0.079
51	4.25	0.20	0.146	(0.124)	0.067	0.079
52	4.33	0.23	0.170	(0.124)	0.078	0.092
53	4.42	0.23	0.170	(0.123)	0.078	0.092
54	4.50	0.23	0.170	(0.123)	0.078	0.092
55	4.58	0.23	0.170	(0.122)	0.078	0.092
56	4.67	0.23	0.170	(0.122)	0.078	0.092
57	4.75	0.23	0.170	(0.121)	0.078	0.092
58	4.83	0.27	0.195	(0.121)	0.089	0.105
59	4.92	0.27	0.195	(0.120)	0.089	0.105
60	5.00	0.27	0.195	(0.120)	0.089	0.105
61	5.08	0.20	0.146	(0.119)	0.067	0.079
62	5.17	0.20	0.146	(0.119)	0.067	0.079
63	5.25	0.20	0.146	(0.118)	0.067	0.079
64	5.33	0.23	0.170	(0.118)	0.078	0.092
65	5.42	0.23	0.170	(0.117)	0.078	0.092
66	5.50	0.23	0.170	(0.117)	0.078	0.092
67	5.58	0.27	0.195	(0.116)	0.089	0.105
68	5.67	0.27	0.195	(0.116)	0.089	0.105
69	5.75	0.27	0.195	(0.115)	0.089	0.105
70	5.83	0.27	0.195	(0.115)	0.089	0.105
71	5.92	0.27	0.195	(0.114)	0.089	0.105
72	6.00	0.27	0.195	(0.114)	0.089	0.105
73	6.08	0.30	0.219	(0.113)	0.101	0.118
74	6.17	0.30	0.219	(0.113)	0.101	0.118
75	6.25	0.30	0.219	(0.112)	0.101	0.118
76	6.33	0.30	0.219	(0.112)	0.101	0.118
77	6.42	0.30	0.219	(0.111)	0.101	0.118
78	6.50	0.30	0.219	(0.111)	0.101	0.118
79	6.58	0.33	0.243	0.110	(0.112)	0.133
80	6.67	0.33	0.243	0.110	(0.112)	0.134
81	6.75	0.33	0.243	0.109	(0.112)	0.134
82	6.83	0.33	0.243	0.109	(0.112)	0.135
83	6.92	0.33	0.243	0.108	(0.112)	0.135
84	7.00	0.33	0.243	0.108	(0.112)	0.136
85	7.08	0.33	0.243	0.107	(0.112)	0.136
86	7.17	0.33	0.243	0.107	(0.112)	0.137
87	7.25	0.33	0.243	0.106	(0.112)	0.137
88	7.33	0.37	0.267	0.106	(0.123)	0.162
89	7.42	0.37	0.267	0.105	(0.123)	0.162
90	7.50	0.37	0.267	0.105	(0.123)	0.163
91	7.58	0.40	0.292	0.104	(0.134)	0.188
92	7.67	0.40	0.292	0.104	(0.134)	0.188
93	7.75	0.40	0.292	0.103	(0.134)	0.189
94	7.83	0.43	0.316	0.103	(0.145)	0.213
95	7.92	0.43	0.316	0.102	(0.145)	0.214
96	8.00	0.43	0.316	0.102	(0.145)	0.214
97	8.08	0.50	0.365	0.101	(0.168)	0.263
98	8.17	0.50	0.365	0.101	(0.168)	0.264
99	8.25	0.50	0.365	0.100	(0.168)	0.264
100	8.33	0.50	0.365	0.100	(0.168)	0.265
101	8.42	0.50	0.365	0.099	(0.168)	0.265
102	8.50	0.50	0.365	0.099	(0.168)	0.266
103	8.58	0.53	0.389	0.099	(0.179)	0.290
104	8.67	0.53	0.389	0.098	(0.179)	0.291
105	8.75	0.53	0.389	0.098	(0.179)	0.291
106	8.83	0.57	0.413	0.097	(0.190)	0.316
107	8.92	0.57	0.413	0.097	(0.190)	0.317
108	9.00	0.57	0.413	0.096	(0.190)	0.317
109	9.08	0.63	0.462	0.096	(0.213)	0.366

110	9.17	0.63	0.462	0.095	(0.213)	0.367
111	9.25	0.63	0.462	0.095	(0.213)	0.367
112	9.33	0.67	0.486	0.094	(0.224)	0.392
113	9.42	0.67	0.486	0.094	(0.224)	0.392
114	9.50	0.67	0.486	0.094	(0.224)	0.393
115	9.58	0.70	0.511	0.093	(0.235)	0.418
116	9.67	0.70	0.511	0.093	(0.235)	0.418
117	9.75	0.70	0.511	0.092	(0.235)	0.418
118	9.83	0.73	0.535	0.092	(0.246)	0.443
119	9.92	0.73	0.535	0.091	(0.246)	0.444
120	10.00	0.73	0.535	0.091	(0.246)	0.444
121	10.08	0.50	0.365	0.090	(0.168)	0.274
122	10.17	0.50	0.365	0.090	(0.168)	0.275
123	10.25	0.50	0.365	0.090	(0.168)	0.275
124	10.33	0.50	0.365	0.089	(0.168)	0.276
125	10.42	0.50	0.365	0.089	(0.168)	0.276
126	10.50	0.50	0.365	0.088	(0.168)	0.276
127	10.58	0.67	0.486	0.088	(0.224)	0.398
128	10.67	0.67	0.486	0.087	(0.224)	0.399
129	10.75	0.67	0.486	0.087	(0.224)	0.399
130	10.83	0.67	0.486	0.087	(0.224)	0.400
131	10.92	0.67	0.486	0.086	(0.224)	0.400
132	11.00	0.67	0.486	0.086	(0.224)	0.401
133	11.08	0.63	0.462	0.085	(0.213)	0.377
134	11.17	0.63	0.462	0.085	(0.213)	0.377
135	11.25	0.63	0.462	0.084	(0.213)	0.378
136	11.33	0.63	0.462	0.084	(0.213)	0.378
137	11.42	0.63	0.462	0.084	(0.213)	0.378
138	11.50	0.63	0.462	0.083	(0.213)	0.379
139	11.58	0.57	0.413	0.083	(0.190)	0.331
140	11.67	0.57	0.413	0.082	(0.190)	0.331
141	11.75	0.57	0.413	0.082	(0.190)	0.331
142	11.83	0.60	0.438	0.082	(0.201)	0.356
143	11.92	0.60	0.438	0.081	(0.201)	0.357
144	12.00	0.60	0.438	0.081	(0.201)	0.357
145	12.08	0.83	0.608	0.080	(0.280)	0.528
146	12.17	0.83	0.608	0.080	(0.280)	0.528
147	12.25	0.83	0.608	0.080	(0.280)	0.528
148	12.33	0.87	0.632	0.079	(0.291)	0.553
149	12.42	0.87	0.632	0.079	(0.291)	0.553
150	12.50	0.87	0.632	0.078	(0.291)	0.554
151	12.58	0.93	0.681	0.078	(0.313)	0.603
152	12.67	0.93	0.681	0.078	(0.313)	0.603
153	12.75	0.93	0.681	0.077	(0.313)	0.604
154	12.83	0.97	0.705	0.077	(0.324)	0.628
155	12.92	0.97	0.705	0.076	(0.324)	0.629
156	13.00	0.97	0.705	0.076	(0.324)	0.629
157	13.08	1.13	0.827	0.076	(0.380)	0.751
158	13.17	1.13	0.827	0.075	(0.380)	0.751
159	13.25	1.13	0.827	0.075	(0.380)	0.752
160	13.33	1.13	0.827	0.074	(0.380)	0.752
161	13.42	1.13	0.827	0.074	(0.380)	0.753
162	13.50	1.13	0.827	0.074	(0.380)	0.753
163	13.58	0.77	0.559	0.073	(0.257)	0.486
164	13.67	0.77	0.559	0.073	(0.257)	0.486
165	13.75	0.77	0.559	0.073	(0.257)	0.487
166	13.83	0.77	0.559	0.072	(0.257)	0.487
167	13.92	0.77	0.559	0.072	(0.257)	0.487
168	14.00	0.77	0.559	0.071	(0.257)	0.488
169	14.08	0.90	0.657	0.071	(0.302)	0.585
170	14.17	0.90	0.657	0.071	(0.302)	0.586
171	14.25	0.90	0.657	0.070	(0.302)	0.586
172	14.33	0.87	0.632	0.070	(0.291)	0.562
173	14.42	0.87	0.632	0.070	(0.291)	0.563
174	14.50	0.87	0.632	0.069	(0.291)	0.563
175	14.58	0.87	0.632	0.069	(0.291)	0.563
176	14.67	0.87	0.632	0.069	(0.291)	0.564
177	14.75	0.87	0.632	0.068	(0.291)	0.564
178	14.83	0.83	0.608	0.068	(0.280)	0.540
179	14.92	0.83	0.608	0.068	(0.280)	0.540
180	15.00	0.83	0.608	0.067	(0.280)	0.541
181	15.08	0.80	0.584	0.067	(0.268)	0.517
182	15.17	0.80	0.584	0.067	(0.268)	0.517
183	15.25	0.80	0.584	0.066	(0.268)	0.517
184	15.33	0.77	0.559	0.066	(0.257)	0.493
185	15.42	0.77	0.559	0.065	(0.257)	0.494
186	15.50	0.77	0.559	0.065	(0.257)	0.494
187	15.58	0.63	0.462	0.065	(0.213)	0.397
188	15.67	0.63	0.462	0.064	(0.213)	0.397
189	15.75	0.63	0.462	0.064	(0.213)	0.398
190	15.83	0.63	0.462	0.064	(0.213)	0.398
191	15.92	0.63	0.462	0.064	(0.213)	0.398
192	16.00	0.63	0.462	0.063	(0.213)	0.399
193	16.08	0.13	0.097	(0.063)	0.045	0.053
194	16.17	0.13	0.097	(0.063)	0.045	0.053
195	16.25	0.13	0.097	(0.062)	0.045	0.053
196	16.33	0.13	0.097	(0.062)	0.045	0.053
197	16.42	0.13	0.097	(0.062)	0.045	0.053
198	16.50	0.13	0.097	(0.061)	0.045	0.053
199	16.58	0.10	0.073	(0.061)	0.034	0.039
200	16.67	0.10	0.073	(0.061)	0.034	0.039
201	16.75	0.10	0.073	(0.060)	0.034	0.039
202	16.83	0.10	0.073	(0.060)	0.034	0.039
203	16.92	0.10	0.073	(0.060)	0.034	0.039
204	17.00	0.10	0.073	(0.059)	0.034	0.039
205	17.08	0.17	0.122	(0.059)	0.056	0.066
206	17.17	0.17	0.122	(0.059)	0.056	0.066
207	17.25	0.17	0.122	(0.059)	0.056	0.066
208	17.33	0.17	0.122	(0.058)	0.056	0.066
209	17.42	0.17	0.122	(0.058)	0.056	0.066
210	17.50	0.17	0.122	(0.058)	0.056	0.066
211	17.58	0.17	0.122	(0.057)	0.056	0.066
212	17.67	0.17	0.122	(0.057)	0.056	0.066
213	17.75	0.17	0.122	(0.057)	0.056	0.066
214	17.83	0.13	0.097	(0.057)	0.045	0.053
215	17.92	0.13	0.097	(0.056)	0.045	0.053
216	18.00	0.13	0.097	(0.056)	0.045	0.053
217	18.08	0.13	0.097	(0.056)	0.045	0.053
218	18.17	0.13	0.097	(0.055)	0.045	0.053
219	18.25	0.13	0.097	(0.055)	0.045	0.053
220	18.33	0.13	0.097	(0.055)	0.045	0.053
221	18.42	0.13	0.097	(0.055)	0.045	0.053
222	18.50	0.13	0.097	(0.054)	0.045	0.053
223	18.58	0.10	0.073	(0.054)	0.034	0.039
224	18.67	0.10	0.073	(0.054)	0.034	0.039
225	18.75	0.10	0.073	(0.054)	0.034	0.039
226	18.83	0.07	0.049	(0.053)	0.022	0.026
227	18.92	0.07	0.049	(0.053)	0.022	0.026
228	19.00	0.07	0.049	(0.053)	0.022	0.026
229	19.08	0.10	0.073	(0.053)	0.034	0.039
230	19.17	0.10	0.073	(0.052)	0.034	0.039
231	19.25	0.10	0.073	(0.052)	0.034	0.039
232	19.33	0.13	0.097	(0.052)	0.045	0.053
233	19.42	0.13	0.097	(0.052)	0.045	0.053

234	19.50	0.13	0.097	(0.051)	0.045	0.053
235	19.58	0.10	0.073	(0.051)	0.034	0.039
236	19.67	0.10	0.073	(0.051)	0.034	0.039
237	19.75	0.10	0.073	(0.051)	0.034	0.039
238	19.83	0.07	0.049	(0.050)	0.022	0.026
239	19.92	0.07	0.049	(0.050)	0.022	0.026
240	20.00	0.07	0.049	(0.050)	0.022	0.026
241	20.08	0.10	0.073	(0.050)	0.034	0.039
242	20.17	0.10	0.073	(0.050)	0.034	0.039
243	20.25	0.10	0.073	(0.049)	0.034	0.039
244	20.33	0.10	0.073	(0.049)	0.034	0.039
245	20.42	0.10	0.073	(0.049)	0.034	0.039
246	20.50	0.10	0.073	(0.049)	0.034	0.039
247	20.58	0.10	0.073	(0.048)	0.034	0.039
248	20.67	0.10	0.073	(0.048)	0.034	0.039
249	20.75	0.10	0.073	(0.048)	0.034	0.039
250	20.83	0.07	0.049	(0.048)	0.022	0.026
251	20.92	0.07	0.049	(0.048)	0.022	0.026
252	21.00	0.07	0.049	(0.047)	0.022	0.026
253	21.08	0.10	0.073	(0.047)	0.034	0.039
254	21.17	0.10	0.073	(0.047)	0.034	0.039
255	21.25	0.10	0.073	(0.047)	0.034	0.039
256	21.33	0.07	0.049	(0.047)	0.022	0.026
257	21.42	0.07	0.049	(0.047)	0.022	0.026
258	21.50	0.07	0.049	(0.046)	0.022	0.026
259	21.58	0.10	0.073	(0.046)	0.034	0.039
260	21.67	0.10	0.073	(0.046)	0.034	0.039
261	21.75	0.10	0.073	(0.046)	0.034	0.039
262	21.83	0.07	0.049	(0.046)	0.022	0.026
263	21.92	0.07	0.049	(0.046)	0.022	0.026
264	22.00	0.07	0.049	(0.045)	0.022	0.026
265	22.08	0.10	0.073	(0.045)	0.034	0.039
266	22.17	0.10	0.073	(0.045)	0.034	0.039
267	22.25	0.10	0.073	(0.045)	0.034	0.039
268	22.33	0.07	0.049	(0.045)	0.022	0.026
269	22.42	0.07	0.049	(0.045)	0.022	0.026
270	22.50	0.07	0.049	(0.045)	0.022	0.026
271	22.58	0.07	0.049	(0.044)	0.022	0.026
272	22.67	0.07	0.049	(0.044)	0.022	0.026
273	22.75	0.07	0.049	(0.044)	0.022	0.026
274	22.83	0.07	0.049	(0.044)	0.022	0.026
275	22.92	0.07	0.049	(0.044)	0.022	0.026
276	23.00	0.07	0.049	(0.044)	0.022	0.026
277	23.08	0.07	0.049	(0.044)	0.022	0.026
278	23.17	0.07	0.049	(0.044)	0.022	0.026
279	23.25	0.07	0.049	(0.044)	0.022	0.026
280	23.33	0.07	0.049	(0.043)	0.022	0.026
281	23.42	0.07	0.049	(0.043)	0.022	0.026
282	23.50	0.07	0.049	(0.043)	0.022	0.026
283	23.58	0.07	0.049	(0.043)	0.022	0.026
284	23.67	0.07	0.049	(0.043)	0.022	0.026
285	23.75	0.07	0.049	(0.043)	0.022	0.026
286	23.83	0.07	0.049	(0.043)	0.022	0.026
287	23.92	0.07	0.049	(0.043)	0.022	0.026
288	24.00	0.07	0.049	(0.043)	0.022	0.026

(Loss Rate Not Used)

Sum = 100.0 Sum = 55.4

Flood volume = Effective rainfall 4.61(In)
times area 106.6(Ac.)/[(In)/(Ft.)] = 41.0(Ac.Ft)
Total soil loss = 1.46(In)
Total soil loss = 13.018(Ac.Ft)
Total rainfall = 6.08(In)

Flood volume = 1786016.4 Cubic Feet
Total soil loss = 567080.9 Cubic Feet

Peak flow rate of this hydrograph = 80.321(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	22.5	45.0	67.5	90.0
0+ 5	0.0012	0.17	Q				
0+10	0.0090	1.14	Q				
0+15	0.0232	2.06	Q				
0+20	0.0403	2.48	VQ				
0+25	0.0621	3.16	VQ				
0+30	0.0878	3.74	VQ				
0+35	0.1151	3.96	VQ				
0+40	0.1432	4.08	VQ				
0+45	0.1718	4.15	VQ				
0+50	0.2013	4.28	VQ				
0+55	0.2342	4.78	V Q				
1+ 0	0.2704	5.25	V Q				
1+ 5	0.3073	5.35	V Q				
1+10	0.3414	4.96	V Q				
1+15	0.3728	4.56	V Q				
1+20	0.4033	4.42	VQ				
1+25	0.4331	4.33	VQ				
1+30	0.4626	4.28	VQ				
1+35	0.4919	4.26	VQ				
1+40	0.5212	4.25	VQ				
1+45	0.5505	4.25	VQ				
1+50	0.5802	4.32	VQ				
1+55	0.6133	4.81	V Q				
2+ 0	0.6496	5.27	V Q				
2+ 5	0.6870	5.44	V Q				
2+10	0.7251	5.53	V Q				
2+15	0.7636	5.59	V Q				
2+20	0.8023	5.62	V Q				
2+25	0.8411	5.63	V Q				
2+30	0.8799	5.64	V Q				
2+35	0.9193	5.73	V Q				
2+40	0.9621	6.21	V Q				
2+45	1.0081	6.68	V Q				
2+50	1.0553	6.85	|V Q				
2+55	1.1031	6.94	|V Q				
3+ 0	1.1513	7.00	|V Q				
3+ 5	1.1997	7.03	|V Q				
3+10	1.2482	7.04	|V Q				
3+15	1.2968	7.05	|V Q				
3+20	1.3454	7.05	|V Q				
3+25	1.3940	7.06	|V Q				
3+30	1.4426	7.06	|V Q				
3+35	1.4912	7.06	|V Q				
3+40	1.5398	7.06	|V Q				
3+45	1.5884	7.06	|V Q				
3+50	1.6376	7.14	|V Q				
3+55	1.6902	7.63	|V Q				
4+ 0	1.7459	8.09	|V Q				

| | | |

| | | |

```
   24+45      41.0012      0.02  Q         |         |         |        V|
   24+50      41.0013      0.01  Q         |         |         |        V|
   24+55      41.0013      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
```

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  04/17/25 File: 5C100CHK3100.out


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        ------------------------------------------------------------------------

        Riverside County Synthetic Unit Hydrology Method
        RCFC & WCD Manual date - April 1978


        Program License Serial Number 6406

        ------------------------------------------------------------------------
         English (in-lb) Input Units Used
         English Rainfall Data (Inches) Input Values Used

         English Units used in output format



        ------------------------------------------------------------------------
        MESA VERDE ESTATES
        PROPOSED CONDITION
        AREA 5C, 100-YR UPDATED TRIBUTARY AREAS 5C & 5D
        04/14/25
        ------------------------------------------------------------------------
        Drainage Area =      15.02(Ac.)  =      0.023 Sq. Mi.
        Drainage Area for Depth-Area Areal Adjustment =      15.02(Ac.)  =
0.023 Sq. Mi.
        Length along longest watercourse =    2700.00(Ft.)
        Length along longest watercourse measured to centroid =     410.00(Ft.)
        Length along longest watercourse =      0.511 Mi.
        Length along longest watercourse measured to centroid =      0.078 Mi.
        Difference in elevation =      80.80(Ft.)
        Slope along watercourse =    158.0089 Ft./Mi.
        Average Manning's 'N' = 0.015
        Lag time =    0.040 Hr.
        Lag time =     2.42 Min.
        25% of lag time =     0.61 Min.
        40% of lag time =     0.97 Min.
        Unit time =     5.00 Min.
        Duration of storm = 3 Hour(s)
        User Entered Base Flow =     0.00(CFS)

        2 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
              15.02              0.94                      14.12

        100 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
              15.02              1.97                      29.59
```

```
        STORM EVENT (YEAR) =  100.00
        Area Averaged 2-Year Rainfall =    0.940(In)
        Area Averaged 100-Year Rainfall =    1.970(In)

        Point rain (area averaged) =    1.970(In)
        Areal adjustment factor =   99.99 %
        Adjusted average point rain =    1.970(In)

        Sub-Area Data:
        Area(Ac.)          Runoff Index   Impervious %
             4.290            92.00          0.900
             5.610            94.00          0.900
             2.170            95.00          0.900
             1.230            65.00          0.120
             1.720            77.00          0.120
         Total Area Entered =     15.02(Ac.)


        RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
        AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
        92.0  92.0      0.104     0.900        0.020        0.286      0.006
        94.0  94.0      0.078     0.900        0.015        0.374      0.006
        95.0  95.0      0.065     0.900        0.012        0.144      0.002
        65.0  65.0      0.416     0.120        0.371        0.082      0.030
        77.0  77.0      0.279     0.120        0.249        0.115      0.029
                                                          Sum (F) =   0.072
        Area averaged mean soil loss (F) (In/Hr) =  0.072
        Minimum soil loss rate ((In/Hr)) =  0.036
        (for 24 hour storm duration)
        Soil low loss rate (decimal) =   0.303
        ------------------------------------------------------------------------

                    U n i t   H y d r o g r a p h
                           FOOTHILL S-Curve
        ------------------------------------------------------------------------
                    Unit Hydrograph Data
        ------------------------------------------------------------------------
        Unit time period   Time % of lag   Distribution   Unit Hydrograph
            (hrs)                          Graph %           (CFS)
        ------------------------------------------------------------------------
            1   0.083        206.391         43.535             6.590
            2   0.167        412.783         49.402             7.478
            3   0.250        619.174          6.097             0.923
            4   0.333        825.565          0.965             0.146
                                    Sum = 100.000    Sum=      15.137
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
        1   0.08     1.30      0.307          0.072    (  0.093)        0.235
        2   0.17     1.30      0.307          0.072    (  0.093)        0.235
        3   0.25     1.10      0.260          0.072    (  0.079)        0.188
        4   0.33     1.50      0.355          0.072    (  0.107)        0.283
        5   0.42     1.50      0.355          0.072    (  0.107)        0.283
        6   0.50     1.80      0.425          0.072    (  0.129)        0.354
        7   0.58     1.50      0.355          0.072    (  0.107)        0.283
        8   0.67     1.80      0.425          0.072    (  0.129)        0.354
        9   0.75     1.80      0.425          0.072    (  0.129)        0.354
```

10	0.83	1.50	0.355	0.072	(0.107)	0.283
11	0.92	1.60	0.378	0.072	(0.114)	0.306
12	1.00	1.80	0.425	0.072	(0.129)	0.354
13	1.08	2.20	0.520	0.072	(0.157)	0.448
14	1.17	2.20	0.520	0.072	(0.157)	0.448
15	1.25	2.20	0.520	0.072	(0.157)	0.448
16	1.33	2.00	0.473	0.072	(0.143)	0.401
17	1.42	2.60	0.615	0.072	(0.186)	0.543
18	1.50	2.70	0.638	0.072	(0.193)	0.566
19	1.58	2.40	0.567	0.072	(0.172)	0.495
20	1.67	2.70	0.638	0.072	(0.193)	0.566
21	1.75	3.30	0.780	0.072	(0.236)	0.708
22	1.83	3.10	0.733	0.072	(0.222)	0.661
23	1.92	2.90	0.686	0.072	(0.207)	0.614
24	2.00	3.00	0.709	0.072	(0.215)	0.637
25	2.08	3.10	0.733	0.072	(0.222)	0.661
26	2.17	4.20	0.993	0.072	(0.300)	0.921
27	2.25	5.00	1.182	0.072	(0.358)	1.110
28	2.33	3.50	0.827	0.072	(0.250)	0.755
29	2.42	6.80	1.607	0.072	(0.486)	1.536
30	2.50	7.30	1.726	0.072	(0.522)	1.654
31	2.58	8.20	1.938	0.072	(0.587)	1.866
32	2.67	5.90	1.395	0.072	(0.422)	1.323
33	2.75	2.00	0.473	0.072	(0.143)	0.401
34	2.83	1.80	0.425	0.072	(0.129)	0.354
35	2.92	1.80	0.425	0.072	(0.129)	0.354
36	3.00	0.60	0.142	(0.072)	0.043	0.099

(Loss Rate Not Used)

Sum = 100.0 Sum = 21.1

Flood volume = Effective rainfall 1.76(In)
times area 15.0(Ac.)/[(In)/(Ft.)] = 2.2(Ac.Ft)
Total soil loss = 0.21(In)
Total soil loss = 0.267(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 95775.1 Cubic Feet
Total soil loss = 11627.3 Cubic Feet

Peak flow rate of this hydrograph = 26.208(CFS)

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3 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0107	1.55	V Q				
0+10	0.0335	3.31	V Q				
0+15	0.0557	3.22	V Q				
0+20	0.0799	3.52	V Q				
0+25	0.1088	4.19	V Q				
0+30	0.1414	4.74	V Q				
0+35	0.1745	4.81	V Q				
0+40	0.2077	4.81	V Q				
0+45	0.2441	5.29	V Q				
0+50	0.2777	4.88	VQ				
0+55	0.3088	4.51	VQ				
1+ 0	0.3428	4.94	Q				
1+ 5	0.3836	5.92	VQ				
1+10	0.4296	6.68	VQ				
1+15	0.4762	6.77	VQ				
1+20	0.5208	6.48	QV				
1+25	0.5694	7.06	QV				
1+30	0.6261	8.23	QV				
1+35	0.6817	8.06	Q V				
1+40	0.7371	8.04	Q V				
1+45	0.8021	9.45	Q V				
1+50	0.8727	10.25	Q V				
1+55	0.9397	9.73	Q V				
2+ 0	1.0052	9.51	Q V				
2+ 5	1.0726	9.79	Q V				
2+10	1.1532	11.70	Q V				
2+15	1.2559	14.91	Q V				
2+20	1.3539	14.23	Q V				
2+25	1.4705	16.94	Q V				
2+30	1.6307	23.25	V Q				
2+35	1.8112	26.21	V Q				
2+40	1.9795	24.44	Q V				
2+45	2.0794	14.51	Q V				
2+50	2.1264	6.83	Q V				
2+55	2.1645	5.54	Q V				
3+ 0	2.1899	3.68	Q V				
3+ 5	2.1976	1.12	Q V				
3+10	2.1986	0.14	Q V				
3+15	2.1987	0.01	Q V				

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  04/17/25 File: 5C100CHK6100.out


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      ------------------------------------------------------------------------

      Riverside County Synthetic Unit Hydrology Method
      RCFC & WCD Manual date - April 1978


      Program License Serial Number 6406

      ------------------------------------------------------------------------
       English (in-lb) Input Units Used
       English Rainfall Data (Inches) Input Values Used

       English Units used in output format



      ------------------------------------------------------------------------
      MESA VERDE ESTATES
      PROPOSED CONDITION
      AREA 5C, 100-YR UPDATED TRIBUTARY AREAS 5C & 5D
      04/14/25
      ------------------------------------------------------------------------
      Drainage Area =      15.02(Ac.)  =      0.023 Sq. Mi.
      Drainage Area for Depth-Area Areal Adjustment =      15.02(Ac.)  =
0.023 Sq. Mi.
      Length along longest watercourse =    2700.00(Ft.)
      Length along longest watercourse measured to centroid =     410.00(Ft.)
      Length along longest watercourse =      0.511 Mi.
      Length along longest watercourse measured to centroid =      0.078 Mi.
      Difference in elevation =      80.80(Ft.)
      Slope along watercourse =    158.0089 Ft./Mi.
      Average Manning's 'N' = 0.015
      Lag time =    0.040 Hr.
      Lag time =     2.42 Min.
      25% of lag time =     0.61 Min.
      40% of lag time =     0.97 Min.
      Unit time =     5.00 Min.
      Duration of storm = 6 Hour(s)
      User Entered Base Flow =     0.00(CFS)

      2 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            15.02              1.35                 20.28

      100 YEAR Area rainfall data:


      Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
            15.02              2.78                 41.76


      STORM EVENT (YEAR) =  100.00
      Area Averaged 2-Year Rainfall =    1.350(In)
      Area Averaged 100-Year Rainfall =    2.780(In)

      Point rain (area averaged) =    2.780(In)
      Areal adjustment factor =   99.99 %
      Adjusted average point rain =    2.780(In)

      Sub-Area Data:
      Area(Ac.)          Runoff Index   Impervious %
           4.290            92.00          0.900
           5.610            94.00          0.900
           2.170            95.00          0.900
           1.230            65.00          0.120
           1.720            77.00          0.120
       Total Area Entered =     15.02(Ac.)


      RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
      AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
      92.0  92.0      0.104     0.900        0.020        0.286      0.006
      94.0  94.0      0.078     0.900        0.015        0.374      0.006
      95.0  95.0      0.065     0.900        0.012        0.144      0.002
      65.0  65.0      0.416     0.120        0.371        0.082      0.030
      77.0  77.0      0.279     0.120        0.249        0.115      0.029
                                                        Sum (F) =   0.072
      Area averaged mean soil loss (F) (In/Hr) =  0.072
      Minimum soil loss rate ((In/Hr)) =  0.036
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.303
      ------------------------------------------------------------------------

                  U n i t   H y d r o g r a p h
                        FOOTHILL S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083        206.391         43.535             6.590
          2   0.167        412.783         49.402             7.478
          3   0.250        619.174          6.097             0.923
          4   0.333        825.565          0.965             0.146
                                  Sum = 100.000    Sum=      15.137
      ------------------------------------------------------------------------

       The following loss rate calculations reflect use of the minimum calculated loss
       rate subtracted from the Storm Rain to produce the maximum Effective Rain value

        Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)      Effective
             (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
          1  0.08     0.50      0.167       (  0.072)       0.050        0.116
          2  0.17     0.60      0.200       (  0.072)       0.061        0.140
          3  0.25     0.60      0.200       (  0.072)       0.061        0.140
          4  0.33     0.60      0.200       (  0.072)       0.061        0.140
          5  0.42     0.60      0.200       (  0.072)       0.061        0.140
          6  0.50     0.70      0.234       (  0.072)       0.071        0.163
          7  0.58     0.70      0.234       (  0.072)       0.071        0.163
          8  0.67     0.70      0.234       (  0.072)       0.071        0.163
          9  0.75     0.70      0.234       (  0.072)       0.071        0.163
```

10	0.83	0.70	0.234	(0.072)	0.071	0.163
11	0.92	0.70	0.234	(0.072)	0.071	0.163
12	1.00	0.80	0.267	0.072	(0.081)	0.195
13	1.08	0.80	0.267	0.072	(0.081)	0.195
14	1.17	0.80	0.267	0.072	(0.081)	0.195
15	1.25	0.80	0.267	0.072	(0.081)	0.195
16	1.33	0.80	0.267	0.072	(0.081)	0.195
17	1.42	0.80	0.267	0.072	(0.081)	0.195
18	1.50	0.80	0.267	0.072	(0.081)	0.195
19	1.58	0.80	0.267	0.072	(0.081)	0.195
20	1.67	0.80	0.267	0.072	(0.081)	0.195
21	1.75	0.80	0.267	0.072	(0.081)	0.195
22	1.83	0.80	0.267	0.072	(0.081)	0.195
23	1.92	0.80	0.267	0.072	(0.081)	0.195
24	2.00	0.90	0.300	0.072	(0.091)	0.228
25	2.08	0.80	0.267	0.072	(0.081)	0.195
26	2.17	0.90	0.300	0.072	(0.091)	0.228
27	2.25	0.90	0.300	0.072	(0.091)	0.228
28	2.33	0.90	0.300	0.072	(0.091)	0.228
29	2.42	0.90	0.300	0.072	(0.091)	0.228
30	2.50	0.90	0.300	0.072	(0.091)	0.228
31	2.58	0.90	0.300	0.072	(0.091)	0.228
32	2.67	0.90	0.300	0.072	(0.091)	0.228
33	2.75	1.00	0.334	0.072	(0.101)	0.262
34	2.83	1.00	0.334	0.072	(0.101)	0.262
35	2.92	1.00	0.334	0.072	(0.101)	0.262
36	3.00	1.00	0.334	0.072	(0.101)	0.262
37	3.08	1.00	0.334	0.072	(0.101)	0.262
38	3.17	1.10	0.367	0.072	(0.111)	0.295
39	3.25	1.10	0.367	0.072	(0.111)	0.295
40	3.33	1.10	0.367	0.072	(0.111)	0.295
41	3.42	1.20	0.400	0.072	(0.121)	0.328
42	3.50	1.30	0.434	0.072	(0.131)	0.362
43	3.58	1.40	0.467	0.072	(0.141)	0.395
44	3.67	1.40	0.467	0.072	(0.141)	0.395
45	3.75	1.50	0.500	0.072	(0.151)	0.428
46	3.83	1.50	0.500	0.072	(0.151)	0.428
47	3.92	1.60	0.534	0.072	(0.162)	0.462
48	4.00	1.60	0.534	0.072	(0.162)	0.462
49	4.08	1.70	0.567	0.072	(0.172)	0.495
50	4.17	1.80	0.600	0.072	(0.182)	0.529
51	4.25	1.90	0.634	0.072	(0.192)	0.562
52	4.33	2.00	0.667	0.072	(0.202)	0.595
53	4.42	2.10	0.701	0.072	(0.212)	0.629
54	4.50	2.10	0.701	0.072	(0.212)	0.629
55	4.58	2.20	0.734	0.072	(0.222)	0.662
56	4.67	2.30	0.767	0.072	(0.232)	0.695
57	4.75	2.40	0.801	0.072	(0.242)	0.729
58	4.83	2.40	0.801	0.072	(0.242)	0.729
59	4.92	2.50	0.834	0.072	(0.252)	0.762
60	5.00	2.60	0.867	0.072	(0.262)	0.795
61	5.08	3.10	1.034	0.072	(0.313)	0.962
62	5.17	3.60	1.201	0.072	(0.363)	1.129
63	5.25	3.90	1.301	0.072	(0.394)	1.229
64	5.33	4.20	1.401	0.072	(0.424)	1.329
65	5.42	4.70	1.568	0.072	(0.474)	1.496
66	5.50	5.60	1.868	0.072	(0.565)	1.796
67	5.58	1.90	0.634	0.072	(0.192)	0.562
68	5.67	0.90	0.300	0.072	(0.091)	0.228
69	5.75	0.60	0.200	(0.072)	0.061	0.140
70	5.83	0.50	0.167	(0.072)	0.050	0.116
71	5.92	0.30	0.100	(0.072)	0.030	0.070
72	6.00	0.20	0.067	(0.072)	0.020	0.047

(Loss Rate Not Used)

Sum = 100.0 Sum = 28.4

Flood volume = Effective rainfall 2.37(In)
times area 15.0(Ac.)/[(In)/(Ft.)] = 3.0(Ac.Ft)
Total soil loss = 0.41(In)
Total soil loss = 0.519(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 128956.5 Cubic Feet
Total soil loss = 22608.5 Cubic Feet

Peak flow rate of this hydrograph = 24.443(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 7.5 15.0 22.5 30.0
0+ 5	0.0053	0.77	VQ
0+10	0.0176	1.79	V Q
0+15	0.0319	2.07	V Q
0+20	0.0464	2.11	V Q
0+25	0.0610	2.11	V Q
0+30	0.0766	2.27	|V Q
0+35	0.0934	2.44	|V Q
0+40	0.1104	2.46	|V Q
0+45	0.1274	2.47	|V Q
0+50	0.1443	2.47	|V Q
0+55	0.1613	2.47	| VQ
1+ 0	0.1798	2.68	| VQ
1+ 5	0.1999	2.92	| VQ
1+10	0.2202	2.95	| VQ
1+15	0.2405	2.95	| Q
1+20	0.2609	2.95	| Q
1+25	0.2812	2.95	| Q
1+30	0.3015	2.95	| QV
1+35	0.3219	2.95	| QV
1+40	0.3422	2.95	| QV
1+45	0.3625	2.95	| QV
1+50	0.3829	2.95	| Q V
1+55	0.4032	2.95	| Q V
2+ 0	0.4251	3.17	| QV
2+ 5	0.4471	3.20	| Q V
2+10	0.4692	3.20	| Q V
2+15	0.4928	3.43	| Q V
2+20	0.5166	3.45	| Q V
2+25	0.5404	3.46	| Q V
2+30	0.5642	3.46	| Q V
2+35	0.5880	3.46	| Q V
2+40	0.6118	3.46	| Q V
2+45	0.6372	3.68	| Q V
2+50	0.6642	3.93	| Q V
2+55	0.6915	3.96	| Q V|
3+ 0	0.7188	3.96	| Q V|
3+ 5	0.7461	3.96	| Q V
3+10	0.7749	4.18	| Q V
3+15	0.8054	4.43	| Q V
3+20	0.8362	4.46	| Q |V

```
   3+25       0.8684      4.69  |     Q   |V        |         |         | □
   3+30       0.9040      5.16  |     Q   | V       |         |         | □
   3+35       0.9429      5.66  |      Q  | V       |         |         | □
   3+40       0.9839      5.94  |      Q  |  V      |         |         | □
   3+45       1.0266      6.20  |       Q |  V      |         |         | □
   3+50       1.0710      6.45  |       Q |   V     |         |         | □
   3+55       1.1172      6.70  |       Q |    V    |         |         | □
   4+ 0       1.1651      6.96  |        Q|    V    |         |         | □
   4+ 5       1.2148      7.21  |        Q|     V   |         |         | □
   4+10       1.2677      7.68  |         Q      V  |         |         | □
   4+15       1.3241      8.18  |         Q      V  |         |         | □
   4+20       1.3839      8.69  |         |Q      V |         |         | □
   4+25       1.4472      9.19  |         | Q      V|         |         | □
   4+30       1.5125      9.48  |         | Q       V         |         | □
   4+35       1.5796      9.74  |         | Q       |V        |         | □
   4+40       1.6499     10.21  |         |  Q      | V       |         | □
   4+45       1.7237     10.71  |         |   Q     |  V      |         | □
   4+50       1.7994     11.00  |         |   Q     |   V     |         | □
   4+55       1.8769     11.25  |         |    Q    |    V    |         | □
   5+ 0       1.9576     11.73  |         |    Q    |     V   |         | □
   5+ 5       2.0479     13.11  |         |      Q  |      V  |         | □
   5+10       2.1546     15.49  |         |         Q       V|         | □
   5+15       2.2755     17.56  |         |         |  Q      V         | □
   5+20       2.4073     19.14  |         |         |    Q    | V       | □
   5+25       2.5527     21.11  |         |         |       Q |   V     | □
   5+30       2.7210     24.44  |         |         |         | Q   V   | □
   5+35       2.8500     18.72  |         |         |   Q     |       V | □
   5+40       2.9022      7.59  |         Q         |         |        V| □
   5+45       2.9257      3.41  |   Q     |         |         |        V| □
   5+50       2.9402      2.10  | Q       |         |         |        V| □
   5+55       2.9505      1.49  |Q        |         |         |        V| □
   6+ 0       2.9571      0.96  |Q        |         |         |        V| □
   6+ 5       2.9600      0.43  Q         |         |         |        V| □
   6+10       2.9604      0.05  Q         |         |         |        V| □
   6+15       2.9604      0.01  Q         |         |         |         V □
-------------------------------------------------------------------------□
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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  04/17/25 File: 5C100CHK24100.out


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       ------------------------------------------------------------------------


       Riverside County Synthetic Unit Hydrology Method
       RCFC & WCD Manual date - April 1978


       Program License Serial Number 6406

       ------------------------------------------------------------------------
        English (in-lb) Input Units Used
        English Rainfall Data (Inches) Input Values Used

        English Units used in output format



       ------------------------------------------------------------------------
       MESA VERDE ESTATES
       PROPOSED CONDITION
       AREA 5C, 100-YR UPDATED TRIBUTARY AREAS 5C & 5D
       04/14/25
       ------------------------------------------------------------------------
       Drainage Area =      15.02(Ac.)  =      0.023 Sq. Mi.
       Drainage Area for Depth-Area Areal Adjustment =      15.02(Ac.)  =
0.023 Sq. Mi.
       Length along longest watercourse =    2700.00(Ft.)
       Length along longest watercourse measured to centroid =     410.00(Ft.)
       Length along longest watercourse =      0.511 Mi.
       Length along longest watercourse measured to centroid =      0.078 Mi.
       Difference in elevation =      80.80(Ft.)
       Slope along watercourse =    158.0089 Ft./Mi.
       Average Manning's 'N' = 0.015
       Lag time =    0.040 Hr.
       Lag time =     2.42 Min.
       25% of lag time =     0.61 Min.
       40% of lag time =     0.97 Min.
       Unit time =     5.00 Min.
       Duration of storm = 24 Hour(s)
       User Entered Base Flow =     0.00(CFS)

       2 YEAR Area rainfall data:


       Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
             15.02              2.45                    36.80

       100 YEAR Area rainfall data:


       Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
             15.02              6.08                    91.32


       STORM EVENT (YEAR) =  100.00
       Area Averaged 2-Year Rainfall =    2.450(In)
       Area Averaged 100-Year Rainfall =    6.080(In)

       Point rain (area averaged) =    6.080(In)
       Areal adjustment factor =  100.00 %
       Adjusted average point rain =    6.080(In)

       Sub-Area Data:
       Area(Ac.)          Runoff Index   Impervious %
            4.290            92.00          0.900
            5.610            94.00          0.900
            2.170            95.00          0.900
            1.230            65.00          0.120
            1.720            77.00          0.120
        Total Area Entered =     15.02(Ac.)


       RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
       AMC2 AMC-2     (In/Hr)     (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
       92.0  92.0      0.104     0.900         0.020        0.286      0.006
       94.0  94.0      0.078     0.900         0.015        0.374      0.006
       95.0  95.0      0.065     0.900         0.012        0.144      0.002
       65.0  65.0      0.416     0.120         0.371        0.082      0.030
       77.0  77.0      0.279     0.120         0.249        0.115      0.029
                                                          Sum (F) =   0.072
       Area averaged mean soil loss (F) (In/Hr) =  0.072
       Minimum soil loss rate ((In/Hr)) =  0.036
       (for 24 hour storm duration)
       Soil low loss rate (decimal) =   0.303
       ------------------------------------------------------------------------

                    U n i t   H y d r o g r a p h
                          FOOTHILL S-Curve
       ------------------------------------------------------------------------
                    Unit Hydrograph Data
       ------------------------------------------------------------------------
       Unit time period   Time % of lag   Distribution   Unit Hydrograph
           (hrs)                          Graph %           (CFS)
       ------------------------------------------------------------------------
           1   0.083        206.391         43.535             6.590
           2   0.167        412.783         49.402             7.478
           3   0.250        619.174          6.097             0.923
           4   0.333        825.565          0.965             0.146
                                   Sum = 100.000    Sum=      15.137
   ------------------------------------------------------------------------

    The following loss rate calculations reflect use of the minimum calculated loss
    rate subtracted from the Storm Rain to produce the maximum Effective Rain value

     Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)      Effective
          (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
      1   0.08     0.07      0.049       (  0.127)       0.015        0.034
      2   0.17     0.07      0.049       (  0.127)       0.015        0.034
      3   0.25     0.07      0.049       (  0.126)       0.015        0.034
      4   0.33     0.10      0.073       (  0.126)       0.022        0.051
      5   0.42     0.10      0.073       (  0.125)       0.022        0.051
      6   0.50     0.10      0.073       (  0.125)       0.022        0.051
      7   0.58     0.10      0.073       (  0.124)       0.022        0.051
      8   0.67     0.10      0.073       (  0.124)       0.022        0.051
      9   0.75     0.10      0.073       (  0.124)       0.022        0.051
```

10	0.83	0.13	0.097	(0.123)	0.029	0.068
11	0.92	0.13	0.097	(0.123)	0.029	0.068
12	1.00	0.13	0.097	(0.122)	0.029	0.068
13	1.08	0.10	0.073	(0.122)	0.022	0.051
14	1.17	0.10	0.073	(0.121)	0.022	0.051
15	1.25	0.10	0.073	(0.121)	0.022	0.051
16	1.33	0.10	0.073	(0.120)	0.022	0.051
17	1.42	0.10	0.073	(0.120)	0.022	0.051
18	1.50	0.10	0.073	(0.119)	0.022	0.051
19	1.58	0.10	0.073	(0.119)	0.022	0.051
20	1.67	0.10	0.073	(0.118)	0.022	0.051
21	1.75	0.10	0.073	(0.118)	0.022	0.051
22	1.83	0.13	0.097	(0.117)	0.029	0.068
23	1.92	0.13	0.097	(0.117)	0.029	0.068
24	2.00	0.13	0.097	(0.116)	0.029	0.068
25	2.08	0.13	0.097	(0.116)	0.029	0.068
26	2.17	0.13	0.097	(0.115)	0.029	0.068
27	2.25	0.13	0.097	(0.115)	0.029	0.068
28	2.33	0.13	0.097	(0.114)	0.029	0.068
29	2.42	0.13	0.097	(0.114)	0.029	0.068
30	2.50	0.13	0.097	(0.114)	0.029	0.068
31	2.58	0.17	0.122	(0.113)	0.037	0.085
32	2.67	0.17	0.122	(0.113)	0.037	0.085
33	2.75	0.17	0.122	(0.112)	0.037	0.085
34	2.83	0.17	0.122	(0.112)	0.037	0.085
35	2.92	0.17	0.122	(0.111)	0.037	0.085
36	3.00	0.17	0.122	(0.111)	0.037	0.085
37	3.08	0.17	0.122	(0.110)	0.037	0.085
38	3.17	0.17	0.122	(0.110)	0.037	0.085
39	3.25	0.17	0.122	(0.109)	0.037	0.085
40	3.33	0.17	0.122	(0.109)	0.037	0.085
41	3.42	0.17	0.122	(0.108)	0.037	0.085
42	3.50	0.17	0.122	(0.108)	0.037	0.085
43	3.58	0.17	0.122	(0.108)	0.037	0.085
44	3.67	0.17	0.122	(0.107)	0.037	0.085
45	3.75	0.17	0.122	(0.107)	0.037	0.085
46	3.83	0.20	0.146	(0.106)	0.044	0.102
47	3.92	0.20	0.146	(0.106)	0.044	0.102
48	4.00	0.20	0.146	(0.105)	0.044	0.102
49	4.08	0.20	0.146	(0.105)	0.044	0.102
50	4.17	0.20	0.146	(0.104)	0.044	0.102
51	4.25	0.20	0.146	(0.104)	0.044	0.102
52	4.33	0.23	0.170	(0.104)	0.052	0.119
53	4.42	0.23	0.170	(0.103)	0.052	0.119
54	4.50	0.23	0.170	(0.103)	0.052	0.119
55	4.58	0.23	0.170	(0.102)	0.052	0.119
56	4.67	0.23	0.170	(0.102)	0.052	0.119
57	4.75	0.23	0.170	(0.101)	0.052	0.119
58	4.83	0.27	0.195	(0.101)	0.059	0.136
59	4.92	0.27	0.195	(0.100)	0.059	0.136
60	5.00	0.27	0.195	(0.100)	0.059	0.136
61	5.08	0.20	0.146	(0.100)	0.044	0.102
62	5.17	0.20	0.146	(0.099)	0.044	0.102
63	5.25	0.20	0.146	(0.099)	0.044	0.102
64	5.33	0.23	0.170	(0.098)	0.052	0.119
65	5.42	0.23	0.170	(0.098)	0.052	0.119
66	5.50	0.23	0.170	(0.097)	0.052	0.119
67	5.58	0.27	0.195	(0.097)	0.059	0.136
68	5.67	0.27	0.195	(0.097)	0.059	0.136
69	5.75	0.27	0.195	(0.096)	0.059	0.136
70	5.83	0.27	0.195	(0.096)	0.059	0.136
71	5.92	0.27	0.195	(0.095)	0.059	0.136
72	6.00	0.27	0.195	(0.095)	0.059	0.136
73	6.08	0.30	0.219	(0.094)	0.066	0.153
74	6.17	0.30	0.219	(0.094)	0.066	0.153
75	6.25	0.30	0.219	(0.094)	0.066	0.153
76	6.33	0.30	0.219	(0.093)	0.066	0.153
77	6.42	0.30	0.219	(0.093)	0.066	0.153
78	6.50	0.30	0.219	(0.092)	0.066	0.153
79	6.58	0.33	0.243	(0.092)	0.074	0.170
80	6.67	0.33	0.243	(0.092)	0.074	0.170
81	6.75	0.33	0.243	(0.091)	0.074	0.170
82	6.83	0.33	0.243	(0.091)	0.074	0.170
83	6.92	0.33	0.243	(0.090)	0.074	0.170
84	7.00	0.33	0.243	(0.090)	0.074	0.170
85	7.08	0.33	0.243	(0.089)	0.074	0.170
86	7.17	0.33	0.243	(0.089)	0.074	0.170
87	7.25	0.33	0.243	(0.089)	0.074	0.170
88	7.33	0.37	0.268	(0.088)	0.081	0.187
89	7.42	0.37	0.268	(0.088)	0.081	0.187
90	7.50	0.37	0.268	(0.087)	0.081	0.187
91	7.58	0.40	0.292	0.087	(0.088)	0.205
92	7.67	0.40	0.292	0.087	(0.088)	0.205
93	7.75	0.40	0.292	0.086	(0.088)	0.206
94	7.83	0.43	0.316	0.086	(0.096)	0.230
95	7.92	0.43	0.316	0.085	(0.096)	0.231
96	8.00	0.43	0.316	0.085	(0.096)	0.231
97	8.08	0.50	0.365	0.085	(0.110)	0.280
98	8.17	0.50	0.365	0.084	(0.110)	0.280
99	8.25	0.50	0.365	0.084	(0.110)	0.281
100	8.33	0.50	0.365	0.084	(0.110)	0.281
101	8.42	0.50	0.365	0.083	(0.110)	0.282
102	8.50	0.50	0.365	0.083	(0.110)	0.282
103	8.58	0.53	0.389	0.082	(0.118)	0.307
104	8.67	0.53	0.389	0.082	(0.118)	0.307
105	8.75	0.53	0.389	0.082	(0.118)	0.308
106	8.83	0.57	0.413	0.081	(0.125)	0.332
107	8.92	0.57	0.413	0.081	(0.125)	0.333
108	9.00	0.57	0.413	0.080	(0.125)	0.333
109	9.08	0.63	0.462	0.080	(0.140)	0.382
110	9.17	0.63	0.462	0.080	(0.140)	0.382
111	9.25	0.63	0.462	0.079	(0.140)	0.383
112	9.33	0.67	0.486	0.079	(0.147)	0.407
113	9.42	0.67	0.486	0.079	(0.147)	0.408
114	9.50	0.67	0.486	0.078	(0.147)	0.408
115	9.58	0.70	0.511	0.078	(0.155)	0.433
116	9.67	0.70	0.511	0.077	(0.155)	0.433
117	9.75	0.70	0.511	0.077	(0.155)	0.434
118	9.83	0.73	0.535	0.077	(0.162)	0.458
119	9.92	0.73	0.535	0.076	(0.162)	0.459
120	10.00	0.73	0.535	0.076	(0.162)	0.459
121	10.08	0.50	0.365	0.076	(0.110)	0.289
122	10.17	0.50	0.365	0.075	(0.110)	0.290
123	10.25	0.50	0.365	0.075	(0.110)	0.290
124	10.33	0.50	0.365	0.074	(0.110)	0.290
125	10.42	0.50	0.365	0.074	(0.110)	0.291
126	10.50	0.50	0.365	0.074	(0.110)	0.291
127	10.58	0.67	0.486	0.073	(0.147)	0.413
128	10.67	0.67	0.486	0.073	(0.147)	0.413
129	10.75	0.67	0.486	0.073	(0.147)	0.414
130	10.83	0.67	0.486	0.072	(0.147)	0.414
131	10.92	0.67	0.486	0.072	(0.147)	0.414
132	11.00	0.67	0.486	0.072	(0.147)	0.415
133	11.08	0.63	0.462	0.071	(0.140)	0.391

134	11.17	0.63	0.462	0.071	(0.140)	0.391
135	11.25	0.63	0.462	0.071	(0.140)	0.392
136	11.33	0.63	0.462	0.070	(0.140)	0.392
137	11.42	0.63	0.462	0.070	(0.140)	0.392
138	11.50	0.63	0.462	0.069	(0.140)	0.393
139	11.58	0.57	0.413	0.069	(0.125)	0.344
140	11.67	0.57	0.413	0.069	(0.125)	0.345
141	11.75	0.57	0.413	0.068	(0.125)	0.345
142	11.83	0.60	0.438	0.068	(0.132)	0.370
143	11.92	0.60	0.438	0.068	(0.132)	0.370
144	12.00	0.60	0.438	0.067	(0.132)	0.370
145	12.08	0.83	0.608	0.067	(0.184)	0.541
146	12.17	0.83	0.608	0.067	(0.184)	0.541
147	12.25	0.83	0.608	0.066	(0.184)	0.542
148	12.33	0.87	0.632	0.066	(0.191)	0.566
149	12.42	0.87	0.632	0.066	(0.191)	0.567
150	12.50	0.87	0.632	0.065	(0.191)	0.567
151	12.58	0.93	0.681	0.065	(0.206)	0.616
152	12.67	0.93	0.681	0.065	(0.206)	0.616
153	12.75	0.93	0.681	0.064	(0.206)	0.616
154	12.83	0.97	0.705	0.064	(0.213)	0.641
155	12.92	0.97	0.705	0.064	(0.213)	0.641
156	13.00	0.97	0.705	0.063	(0.213)	0.642
157	13.08	1.13	0.827	0.063	(0.250)	0.764
158	13.17	1.13	0.827	0.063	(0.250)	0.764
159	13.25	1.13	0.827	0.063	(0.250)	0.764
160	13.33	1.13	0.827	0.062	(0.250)	0.765
161	13.42	1.13	0.827	0.062	(0.250)	0.765
162	13.50	1.13	0.827	0.062	(0.250)	0.765
163	13.58	0.77	0.559	0.061	(0.169)	0.498
164	13.67	0.77	0.559	0.061	(0.169)	0.498
165	13.75	0.77	0.559	0.061	(0.169)	0.499
166	13.83	0.77	0.559	0.060	(0.169)	0.499
167	13.92	0.77	0.559	0.060	(0.169)	0.499
168	14.00	0.77	0.559	0.060	(0.169)	0.500
169	14.08	0.90	0.657	0.059	(0.199)	0.597
170	14.17	0.90	0.657	0.059	(0.199)	0.598
171	14.25	0.90	0.657	0.059	(0.199)	0.598
172	14.33	0.87	0.632	0.059	(0.191)	0.574
173	14.42	0.87	0.632	0.058	(0.191)	0.574
174	14.50	0.87	0.632	0.058	(0.191)	0.574
175	14.58	0.87	0.632	0.058	(0.191)	0.575
176	14.67	0.87	0.632	0.057	(0.191)	0.575
177	14.75	0.87	0.632	0.057	(0.191)	0.575
178	14.83	0.83	0.608	0.057	(0.184)	0.551
179	14.92	0.83	0.608	0.056	(0.184)	0.552
180	15.00	0.83	0.608	0.056	(0.184)	0.552
181	15.08	0.80	0.584	0.056	(0.177)	0.528
182	15.17	0.80	0.584	0.056	(0.177)	0.528
183	15.25	0.80	0.584	0.055	(0.177)	0.528
184	15.33	0.77	0.559	0.055	(0.169)	0.504
185	15.42	0.77	0.559	0.055	(0.169)	0.505
186	15.50	0.77	0.559	0.054	(0.169)	0.505
187	15.58	0.63	0.462	0.054	(0.140)	0.408
188	15.67	0.63	0.462	0.054	(0.140)	0.408
189	15.75	0.63	0.462	0.054	(0.140)	0.408
190	15.83	0.63	0.462	0.053	(0.140)	0.409
191	15.92	0.63	0.462	0.053	(0.140)	0.409
192	16.00	0.63	0.462	0.053	(0.140)	0.409
193	16.08	0.13	0.097	(0.053)	0.029	0.068
194	16.17	0.13	0.097	(0.052)	0.029	0.068
195	16.25	0.13	0.097	(0.052)	0.029	0.068
196	16.33	0.13	0.097	(0.052)	0.029	0.068
197	16.42	0.13	0.097	(0.051)	0.029	0.068
198	16.50	0.13	0.097	(0.051)	0.029	0.068
199	16.58	0.10	0.073	(0.051)	0.022	0.051
200	16.67	0.10	0.073	(0.051)	0.022	0.051
201	16.75	0.10	0.073	(0.050)	0.022	0.051
202	16.83	0.10	0.073	(0.050)	0.022	0.051
203	16.92	0.10	0.073	(0.050)	0.022	0.051
204	17.00	0.10	0.073	(0.050)	0.022	0.051
205	17.08	0.17	0.122	(0.049)	0.037	0.085
206	17.17	0.17	0.122	(0.049)	0.037	0.085
207	17.25	0.17	0.122	(0.049)	0.037	0.085
208	17.33	0.17	0.122	(0.049)	0.037	0.085
209	17.42	0.17	0.122	(0.048)	0.037	0.085
210	17.50	0.17	0.122	(0.048)	0.037	0.085
211	17.58	0.17	0.122	(0.048)	0.037	0.085
212	17.67	0.17	0.122	(0.048)	0.037	0.085
213	17.75	0.17	0.122	(0.047)	0.037	0.085
214	17.83	0.13	0.097	(0.047)	0.029	0.068
215	17.92	0.13	0.097	(0.047)	0.029	0.068
216	18.00	0.13	0.097	(0.047)	0.029	0.068
217	18.08	0.13	0.097	(0.047)	0.029	0.068
218	18.17	0.13	0.097	(0.046)	0.029	0.068
219	18.25	0.13	0.097	(0.046)	0.029	0.068
220	18.33	0.13	0.097	(0.046)	0.029	0.068
221	18.42	0.13	0.097	(0.046)	0.029	0.068
222	18.50	0.13	0.097	(0.045)	0.029	0.068
223	18.58	0.10	0.073	(0.045)	0.022	0.051
224	18.67	0.10	0.073	(0.045)	0.022	0.051
225	18.75	0.10	0.073	(0.045)	0.022	0.051
226	18.83	0.07	0.049	(0.045)	0.015	0.034
227	18.92	0.07	0.049	(0.044)	0.015	0.034
228	19.00	0.07	0.049	(0.044)	0.015	0.034
229	19.08	0.10	0.073	(0.044)	0.022	0.051
230	19.17	0.10	0.073	(0.044)	0.022	0.051
231	19.25	0.10	0.073	(0.043)	0.022	0.051
232	19.33	0.13	0.097	(0.043)	0.029	0.068
233	19.42	0.13	0.097	(0.043)	0.029	0.068
234	19.50	0.13	0.097	(0.043)	0.029	0.068
235	19.58	0.10	0.073	(0.043)	0.022	0.051
236	19.67	0.10	0.073	(0.043)	0.022	0.051
237	19.75	0.10	0.073	(0.042)	0.022	0.051
238	19.83	0.07	0.049	(0.042)	0.015	0.034
239	19.92	0.07	0.049	(0.042)	0.015	0.034
240	20.00	0.07	0.049	(0.042)	0.015	0.034
241	20.08	0.10	0.073	(0.042)	0.022	0.051
242	20.17	0.10	0.073	(0.041)	0.022	0.051
243	20.25	0.10	0.073	(0.041)	0.022	0.051
244	20.33	0.10	0.073	(0.041)	0.022	0.051
245	20.42	0.10	0.073	(0.041)	0.022	0.051
246	20.50	0.10	0.073	(0.041)	0.022	0.051
247	20.58	0.10	0.073	(0.041)	0.022	0.051
248	20.67	0.10	0.073	(0.040)	0.022	0.051
249	20.75	0.10	0.073	(0.040)	0.022	0.051
250	20.83	0.07	0.049	(0.040)	0.015	0.034
251	20.92	0.07	0.049	(0.040)	0.015	0.034
252	21.00	0.07	0.049	(0.040)	0.015	0.034
253	21.08	0.10	0.073	(0.040)	0.022	0.051
254	21.17	0.10	0.073	(0.039)	0.022	0.051
255	21.25	0.10	0.073	(0.039)	0.022	0.051
256	21.33	0.07	0.049	(0.039)	0.015	0.034
257	21.42	0.07	0.049	(0.039)	0.015	0.034

258	21.50	0.07	0.049	(0.039)	0.015	0.034
259	21.58	0.10	0.073	(0.039)	0.022	0.051
260	21.67	0.10	0.073	(0.038)	0.022	0.051
261	21.75	0.10	0.073	(0.038)	0.022	0.051
262	21.83	0.07	0.049	(0.038)	0.015	0.034
263	21.92	0.07	0.049	(0.038)	0.015	0.034
264	22.00	0.07	0.049	(0.038)	0.015	0.034
265	22.08	0.10	0.073	(0.038)	0.022	0.051
266	22.17	0.10	0.073	(0.038)	0.022	0.051
267	22.25	0.10	0.073	(0.038)	0.022	0.051
268	22.33	0.07	0.049	(0.037)	0.015	0.034
269	22.42	0.07	0.049	(0.037)	0.015	0.034
270	22.50	0.07	0.049	(0.037)	0.015	0.034
271	22.58	0.07	0.049	(0.037)	0.015	0.034
272	22.67	0.07	0.049	(0.037)	0.015	0.034
273	22.75	0.07	0.049	(0.037)	0.015	0.034
274	22.83	0.07	0.049	(0.037)	0.015	0.034
275	22.92	0.07	0.049	(0.037)	0.015	0.034
276	23.00	0.07	0.049	(0.037)	0.015	0.034
277	23.08	0.07	0.049	(0.037)	0.015	0.034
278	23.17	0.07	0.049	(0.036)	0.015	0.034
279	23.25	0.07	0.049	(0.036)	0.015	0.034
280	23.33	0.07	0.049	(0.036)	0.015	0.034
281	23.42	0.07	0.049	(0.036)	0.015	0.034
282	23.50	0.07	0.049	(0.036)	0.015	0.034
283	23.58	0.07	0.049	(0.036)	0.015	0.034
284	23.67	0.07	0.049	(0.036)	0.015	0.034
285	23.75	0.07	0.049	(0.036)	0.015	0.034
286	23.83	0.07	0.049	(0.036)	0.015	0.034
287	23.92	0.07	0.049	(0.036)	0.015	0.034
288	24.00	0.07	0.049	(0.036)	0.015	0.034

(Loss Rate Not Used)

Sum = 100.0 Sum = 59.8

Flood volume = Effective rainfall 4.99(In)
times area 15.0(Ac.)/[(In)/(Ft.)] = 6.2(Ac.Ft)
Total soil loss = 1.09(In)
Total soil loss = 1.368(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 271894.9 Cubic Feet
Total soil loss = 59592.8 Cubic Feet

Peak flow rate of this hydrograph = 11.587(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0015	0.22	Q				
0+10	0.0048	0.48	Q				
0+15	0.0083	0.51	VQ				
0+20	0.0126	0.63	VQ				
0+25	0.0178	0.75	VQ				
0+30	0.0231	0.77	VQ				
0+35	0.0284	0.77	VQ				
0+40	0.0337	0.77	VQ				
0+45	0.0390	0.77	VQ				
0+50	0.0451	0.88	VQ				
0+55	0.0521	1.01	V Q				
1+ 0	0.0591	1.02	V Q				
1+ 5	0.0654	0.92	VQ				
1+10	0.0709	0.79	VQ				
1+15	0.0762	0.77	VQ				
1+20	0.0815	0.77	VQ				
1+25	0.0868	0.77	VQ				
1+30	0.0921	0.77	VQ				
1+35	0.0974	0.77	VQ				
1+40	0.1027	0.77	VQ				
1+45	0.1080	0.77	VQ				
1+50	0.1141	0.88	VQ				
1+55	0.1211	1.01	V Q				
2+ 0	0.1281	1.02	V Q				
2+ 5	0.1352	1.03	V Q				
2+10	0.1423	1.03	V Q				
2+15	0.1493	1.03	V Q				
2+20	0.1564	1.03	|VQ				
2+25	0.1635	1.03	|VQ				
2+30	0.1706	1.03	|VQ				
2+35	0.1784	1.14	|VQ				
2+40	0.1871	1.27	|VQ				
2+45	0.1960	1.28	|VQ				
2+50	0.2048	1.28	|VQ				
2+55	0.2137	1.28	|VQ				
3+ 0	0.2225	1.28	|VQ				
3+ 5	0.2313	1.28	|VQ				
3+10	0.2402	1.28	|VQ				
3+15	0.2490	1.28	|VQ				
3+20	0.2579	1.28	|VQ				
3+25	0.2667	1.28	|VQ				
3+30	0.2756	1.28	|VQ				
3+35	0.2844	1.28	|VQ				
3+40	0.2933	1.28	|VQ				
3+45	0.3021	1.28	|VQ				
3+50	0.3117	1.40	|VQ				
3+55	0.3222	1.52	| VQ				
4+ 0	0.3328	1.54	| VQ				
4+ 5	0.3434	1.54	| VQ				
4+10	0.3540	1.54	| VQ				
4+15	0.3647	1.54	| VQ				
4+20	0.3760	1.65	| VQ				
4+25	0.3883	1.78	| VQ				
4+30	0.4007	1.80	| VQ				
4+35	0.4130	1.80	| VQ				
4+40	0.4254	1.80	| VQ				
4+45	0.4378	1.80	| VQ				
4+50	0.4510	1.91	| VQ				
4+55	0.4650	2.04	| V Q				
5+ 0	0.4791	2.05	| VQ				
5+ 5	0.4917	1.83	| Q				
5+10	0.5026	1.58	| Q				
5+15	0.5133	1.55	| Q				
5+20	0.5246	1.65	| Q				
5+25	0.5369	1.78	| Q				
5+30	0.5493	1.80	| Q				
5+35	0.5624	1.91	| Q				
5+40	0.5764	2.04	| VQ				
5+45	0.5906	2.05	| VQ				
5+50	0.6047	2.05	| VQ				
5+55	0.6189	2.05	| VQ				
6+ 0	0.6330	2.05	| Q				

6+ 5	0.6480	2.17	Q				
6+10	0.6638	2.29	Q				
6+15	0.6797	2.31	Q				
6+20	0.6956	2.31	Q				
6+25	0.7115	2.31	Q				
6+30	0.7274	2.31	Q				
6+35	0.7441	2.42	Q				
6+40	0.7617	2.55	VQ				
6+45	0.7794	2.57	VQ				
6+50	0.7970	2.57	Q				
6+55	0.8147	2.57	Q				
7+ 0	0.8324	2.57	Q				
7+ 5	0.8501	2.57	Q				
7+10	0.8678	2.57	Q				
7+15	0.8855	2.57	Q				
7+20	0.9040	2.68	Q				
7+25	0.9233	2.81	Q				
7+30	0.9427	2.82	QV				
7+35	0.9630	2.95	QV				
7+40	0.9843	3.08	Q				
7+45	1.0057	3.11	Q				
7+50	1.0282	3.28	Q				
7+55	1.0521	3.46	Q				
8+ 0	1.0761	3.49	Q				
8+ 5	1.1025	3.82	Q				
8+10	1.1313	4.19	VQ				
8+15	1.1605	4.24	VQ				
8+20	1.1899	4.26	VQ				
8+25	1.2192	4.26	VQ				
8+30	1.2486	4.27	Q				
8+35	1.2791	4.43	Q				
8+40	1.3110	4.62	VQ|			
8+45	1.3430	4.65	VQ|			
8+50	1.3762	4.82	VQ|			
8+55	1.4107	5.01	VQ				
9+ 0	1.4454	5.04	VQ				
9+ 5	1.4823	5.37	VQ				
9+10	1.5218	5.74	V|Q				
9+15	1.5617	5.79	VQ				
9+20	1.6027	5.96	VQ				
9+25	1.6451	6.15	V Q				
9+30	1.6876	6.18	V Q				
9+35	1.7313	6.35	|VQ				
9+40	1.7763	6.53	|V Q				
9+45	1.8215	6.56	|V Q				
9+50	1.8678	6.73	|V Q				
9+55	1.9155	6.92	| VQ				
10+ 0	1.9633	6.95	| VQ				
10+ 5	2.0035	5.83	|QV				
10+10	2.0349	4.56	Q| V				
10+15	2.0653	4.41	Q | V				
10+20	2.0956	4.39	Q | V				
10+25	2.1259	4.40	Q | V				
10+30	2.1562	4.40	Q | V				
10+35	2.1921	5.21	Q V				
10+40	2.2343	6.13	| Q V				
10+45	2.2773	6.24	| Q V				
10+50	2.3205	6.27	| Q V				
10+55	2.3637	6.27	| Q V				
11+ 0	2.4069	6.28	| Q V				
11+ 5	2.4491	6.12	| Q V				
11+10	2.4901	5.95	|Q V				
11+15	2.5309	5.93	|Q V				
11+20	2.5718	5.93	|Q V				
11+25	2.6126	5.94	|Q V				
11+30	2.6536	5.94	|Q V				
11+35	2.6923	5.63	|Q V				
11+40	2.7286	5.27	Q V				
11+45	2.7646	5.23	Q V				
11+50	2.8017	5.39	Q V				
11+55	2.8401	5.57	|Q V				
12+ 0	2.8787	5.60	|Q V				
12+ 5	2.9250	6.73	| Q V				
12+10	2.9802	8.01	| Q V|				
12+15	3.0365	8.17	| Q V|				
12+20	3.0941	8.36	| Q V|				
12+25	3.1530	8.55	| Q V				
12+30	3.2121	8.58	| Q V				
12+35	3.2734	8.91	| Q V				
12+40	3.3373	9.28	| Q |V				
12+45	3.4015	9.33	| Q |V				
12+50	3.4670	9.50	| Q | V				
12+55	3.5337	9.69	| Q| V				
13+ 0	3.6006	9.71	| Q| V				
13+ 5	3.6730	10.52	|Q V				
13+10	3.7518	11.44	| Q V				
13+15	3.8314	11.56	| QV				
13+20	3.9111	11.58	| Q V				
13+25	3.9909	11.58	| Q V				
13+30	4.0707	11.59	| Q V				
13+35	4.1384	9.83	| Q| V				
13+40	4.1923	7.83	| Q | V				
13+45	4.2446	7.59	| Q | V				
13+50	4.2966	7.55	| Q | V				
13+55	4.3487	7.56	| Q | V				
14+ 0	4.4008	7.56	| Q | V				
14+ 5	4.4573	8.21	| Q | V				
14+10	4.5189	8.94	| Q | V				
14+15	4.5811	9.04	| Q | V|				
14+20	4.6424	8.90	| Q | V|				
14+25	4.7024	8.72	| Q | V				
14+30	4.7624	8.70	| Q | V				
14+35	4.8223	8.70	| Q | V				
14+40	4.8822	8.71	| Q | |V				
14+45	4.9422	8.71	| Q | |V				
14+50	5.0011	8.55	| Q | V				
14+55	5.0588	8.38	| Q | V				
15+ 0	5.1164	8.36	| Q | V				
15+ 5	5.1728	8.20	| Q | V				
15+10	5.2281	8.02	| Q | V				
15+15	5.2832	8.00	| Q | V				
15+20	5.3372	7.84	| Q | V				
15+25	5.3900	7.67	| Q | V				
15+30	5.4427	7.65	| Q | V				
15+35	5.4909	7.01	| Q | V				
15+40	5.5342	6.28	| Q | V				
15+45	5.5769	6.20	| Q | V				
15+50	5.6195	6.19	| Q | V				
15+55	5.6622	6.19	| Q | V				
16+ 0	5.7048	6.20	| Q | V				
16+ 5	5.7320	3.95	Q | V				
16+10	5.7416	1.39	Q | V				
16+15	5.7490	1.08	Q | V				
16+20	5.7561	1.03	Q | V				

16+25	5.7632	1.03	Q			V	
16+30	5.7703	1.03	Q			V	
16+35	5.7766	0.92	Q			V	
16+40	5.7820	0.79	Q			V	
16+45	5.7873	0.77	Q			V	
16+50	5.7926	0.77	Q			V	
16+55	5.7979	0.77	Q			V	
17+ 0	5.8032	0.77	Q			V	
17+ 5	5.8101	0.99	Q			V	
17+10	5.8187	1.25	Q			V	
17+15	5.8275	1.28	Q			V	
17+20	5.8363	1.28	Q			V	
17+25	5.8452	1.28	Q			V	
17+30	5.8540	1.28	Q			V	
17+35	5.8629	1.28	Q			V	
17+40	5.8717	1.28	Q			V	
17+45	5.8806	1.28	Q			V	
17+50	5.8886	1.17	Q			V	
17+55	5.8958	1.05	Q			V	
18+ 0	5.9029	1.03	Q			V	
18+ 5	5.9100	1.03	Q			V	
18+10	5.9171	1.03	Q			V	
18+15	5.9242	1.03	Q			V	
18+20	5.9312	1.03	Q			V	
18+25	5.9383	1.03	Q			V	
18+30	5.9454	1.03	Q			V	
18+35	5.9517	0.92	Q			V	
18+40	5.9571	0.79	Q			V	
18+45	5.9625	0.77	Q			V	
18+50	5.9670	0.66	Q			V	
18+55	5.9707	0.53	Q			V	
19+ 0	5.9742	0.52	Q			V	
19+ 5	5.9785	0.63	Q			V	
19+10	5.9837	0.75	Q			V	
19+15	5.9890	0.77	Q			V	
19+20	5.9951	0.88	Q			V	
19+25	6.0020	1.01	Q			V	
19+30	6.0091	1.02	Q			V	
19+35	6.0154	0.92	Q			V	
19+40	6.0208	0.79	Q			V	
19+45	6.0261	0.77	Q			V	
19+50	6.0307	0.66	Q			V	
19+55	6.0343	0.53	Q			V	
20+ 0	6.0379	0.52	Q			V	
20+ 5	6.0422	0.63	Q			V	
20+10	6.0474	0.75	Q			V	
20+15	6.0527	0.77	Q			V	
20+20	6.0580	0.77	Q			V	
20+25	6.0633	0.77	Q			V	
20+30	6.0686	0.77	Q			V	
20+35	6.0739	0.77	Q			V	
20+40	6.0792	0.77	Q			V	
20+45	6.0845	0.77	Q			V	
20+50	6.0891	0.66	Q			V	
20+55	6.0927	0.53	Q			V	
21+ 0	6.0963	0.52	Q			V	
21+ 5	6.1006	0.63	Q			V	
21+10	6.1058	0.75	Q			V	
21+15	6.1111	0.77	Q			V	
21+20	6.1156	0.66	Q			V	
21+25	6.1193	0.53	Q			V	
21+30	6.1228	0.52	Q			V	
21+35	6.1271	0.63	Q			V	
21+40	6.1323	0.75	Q			V	
21+45	6.1376	0.77	Q			V	
21+50	6.1421	0.66	Q			V	
21+55	6.1458	0.53	Q			V	
22+ 0	6.1493	0.52	Q			V	
22+ 5	6.1537	0.63	Q			V	
22+10	6.1588	0.75	Q			V	
22+15	6.1641	0.77	Q			V	
22+20	6.1687	0.66	Q			V	
22+25	6.1723	0.53	Q			V	
22+30	6.1759	0.52	Q			V	
22+35	6.1794	0.51	Q			V	
22+40	6.1830	0.51	Q			V	
22+45	6.1865	0.51	Q			V	
22+50	6.1900	0.51	Q			V	
22+55	6.1936	0.51	Q			V	
23+ 0	6.1971	0.51	Q			V	
23+ 5	6.2006	0.51	Q			V	
23+10	6.2042	0.51	Q			V	
23+15	6.2077	0.51	Q			V	
23+20	6.2113	0.51	Q			V	
23+25	6.2148	0.51	Q			V	
23+30	6.2183	0.51	Q			V	
23+35	6.2219	0.51	Q			V	
23+40	6.2254	0.51	Q			V	
23+45	6.2290	0.51	Q			V	
23+50	6.2325	0.51	Q			V	
23+55	6.2360	0.51	Q			V	
24+ 0	6.2396	0.51	Q			V	
24+ 5	6.2416	0.29	Q			V	
24+10	6.2418	0.04	Q			V	
24+15	6.2418	0.00	Q			V	

```
                U n i t   H y d r o g r a p h   A n a l y s i s

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                        Study date  04/17/25 File: 5D100CHK3100.out


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        ------------------------------------------------------------------------

        Riverside County Synthetic Unit Hydrology Method
        RCFC & WCD Manual date - April 1978


        Program License Serial Number 6406

        ------------------------------------------------------------------------
         English (in-lb) Input Units Used
         English Rainfall Data (Inches) Input Values Used

         English Units used in output format



        ------------------------------------------------------------------------
        MESA VERDE ESTATES
        PROPOSED CONDITION
        AREA 5D, 100-YR UPDATED TRIBUTARY AREAS 5C & 5D
        04/14/25
        ------------------------------------------------------------------------
        Drainage Area =      95.35(Ac.)  =      0.149 Sq. Mi.
        Drainage Area for Depth-Area Areal Adjustment =      95.35(Ac.)  =
0.149 Sq. Mi.
        Length along longest watercourse =    5469.00(Ft.)
        Length along longest watercourse measured to centroid =    1605.00(Ft.)
        Length along longest watercourse =      1.036 Mi.
        Length along longest watercourse measured to centroid =      0.304 Mi.
        Difference in elevation =      39.80(Ft.)
        Slope along watercourse =     38.4246 Ft./Mi.
        Average Manning's 'N' = 0.015
        Lag time =    0.116 Hr.
        Lag time =     6.96 Min.
        25% of lag time =     1.74 Min.
        40% of lag time =     2.78 Min.
        Unit time =     5.00 Min.
        Duration of storm = 3 Hour(s)
        User Entered Base Flow =     0.00(CFS)

        2 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
               95.35              0.94                    89.63

        100 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
               95.35              1.97                   187.84

        STORM EVENT (YEAR) =  100.00
        Area Averaged 2-Year Rainfall =    0.940(In)
        Area Averaged 100-Year Rainfall =    1.970(In)

        Point rain (area averaged) =    1.970(In)
        Areal adjustment factor =   99.96 %
        Adjusted average point rain =    1.969(In)

        Sub-Area Data:
        Area(Ac.)          Runoff Index   Impervious %
             2.790            92.00          0.900
            45.350            94.00          0.900
            43.500            95.00          0.900
             0.750            65.00          0.120
             1.560            77.00          0.120
             1.400            82.00          0.120
         Total Area Entered =     95.35(Ac.)


        RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
        AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
        92.0  92.0      0.104     0.900        0.020        0.029      0.001
        94.0  94.0      0.078     0.900        0.015        0.476      0.007
        95.0  95.0      0.065     0.900        0.012        0.456      0.006
        65.0  65.0      0.416     0.120        0.371        0.008      0.003
        77.0  77.0      0.279     0.120        0.249        0.016      0.004
        82.0  82.0      0.221     0.120        0.197        0.015      0.003
                                                          Sum (F) =    0.023
        Area averaged mean soil loss (F) (In/Hr) =  0.023
        Minimum soil loss rate ((In/Hr)) =  0.012
        (for 24 hour storm duration)
        Soil low loss rate (decimal) =   0.204
        ------------------------------------------------------------------------

                        U n i t   H y d r o g r a p h
                              FOOTHILL S-Curve
        ------------------------------------------------------------------------
                        Unit Hydrograph Data
        ------------------------------------------------------------------------
        Unit time period   Time % of lag   Distribution   Unit Hydrograph
            (hrs)                          Graph %           (CFS)
        ------------------------------------------------------------------------
            1   0.083         71.830          7.477             7.185
            2   0.167        143.661         42.572            40.909
            3   0.250        215.491         28.156            27.057
            4   0.333        287.322         10.699            10.282
            5   0.417        359.152          5.831             5.603
            6   0.500        430.982          2.899             2.786
            7   0.583        502.813          1.030             0.990
            8   0.667        574.643          0.577             0.555
            9   0.750        646.474          0.484             0.465
           10   0.833        718.304          0.276             0.265
                                      Sum = 100.000   Sum=      96.095
        ------------------------------------------------------------------------

         The following loss rate calculations reflect use of the minimum calculated loss
         rate subtracted from the Storm Rain to produce the maximum Effective Rain value

          Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)      Effective
              (Hr.)  Percent   (In/Hr)         Max   |   Low          (In/Hr)
            1   0.08     1.30      0.307         0.023    (  0.063)        0.284
```

2	0.17	1.30	0.307	0.023	(0.063)	0.284
3	0.25	1.10	0.260	0.023	(0.053)	0.237
4	0.33	1.50	0.354	0.023	(0.072)	0.331
5	0.42	1.50	0.354	0.023	(0.072)	0.331
6	0.50	1.80	0.425	0.023	(0.087)	0.402
7	0.58	1.50	0.354	0.023	(0.072)	0.331
8	0.67	1.80	0.425	0.023	(0.087)	0.402
9	0.75	1.80	0.425	0.023	(0.087)	0.402
10	0.83	1.50	0.354	0.023	(0.072)	0.331
11	0.92	1.60	0.378	0.023	(0.077)	0.355
12	1.00	1.80	0.425	0.023	(0.087)	0.402
13	1.08	2.20	0.520	0.023	(0.106)	0.497
14	1.17	2.20	0.520	0.023	(0.106)	0.497
15	1.25	2.20	0.520	0.023	(0.106)	0.497
16	1.33	2.00	0.473	0.023	(0.097)	0.449
17	1.42	2.60	0.614	0.023	(0.126)	0.591
18	1.50	2.70	0.638	0.023	(0.130)	0.615
19	1.58	2.40	0.567	0.023	(0.116)	0.544
20	1.67	2.70	0.638	0.023	(0.130)	0.615
21	1.75	3.30	0.780	0.023	(0.159)	0.757
22	1.83	3.10	0.733	0.023	(0.150)	0.709
23	1.92	2.90	0.685	0.023	(0.140)	0.662
24	2.00	3.00	0.709	0.023	(0.145)	0.686
25	2.08	3.10	0.733	0.023	(0.150)	0.709
26	2.17	4.20	0.992	0.023	(0.203)	0.969
27	2.25	5.00	1.182	0.023	(0.241)	1.158
28	2.33	3.50	0.827	0.023	(0.169)	0.804
29	2.42	6.80	1.607	0.023	(0.328)	1.584
30	2.50	7.30	1.725	0.023	(0.352)	1.702
31	2.58	8.20	1.938	0.023	(0.396)	1.915
32	2.67	5.90	1.394	0.023	(0.285)	1.371
33	2.75	2.00	0.473	0.023	(0.097)	0.449
34	2.83	1.80	0.425	0.023	(0.087)	0.402
35	2.92	1.80	0.425	0.023	(0.087)	0.402
36	3.00	0.60	0.142	0.023	(0.029)	0.119

(Loss Rate Not Used)

Sum = 100.0 Sum = 22.8

Flood volume = Effective rainfall 1.90(In)
times area 95.3(Ac.)/[(In)/(Ft.)] = 15.1(Ac.Ft)
Total soil loss = 0.07(In)
Total soil loss = 0.552(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 657530.3 Cubic Feet
Total soil loss = 24042.6 Cubic Feet

Peak flow rate of this hydrograph = 160.162(CFS)

++

3 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0141	2.04	Q				
0+10	0.1082	13.67	V Q				
0+15	0.2529	21.02	V Q				
0+20	0.4092	22.68	|V Q				
0+25	0.5942	26.87	|V Q				
0+30	0.8024	30.24	| V Q				
0+35	1.0340	33.62	| V Q				
0+40	1.2661	33.70	| V Q				
0+45	1.5124	35.76	| V Q				
0+50	1.7671	36.98	| V Q				
0+55	2.0069	34.81	| VQ				
1+ 0	2.2445	34.50	| VQ				
1+ 5	2.5008	37.22	| VQ				
1+10	2.7919	42.27	| VQ				
1+15	3.1038	45.28	| VQ|				
1+20	3.4219	46.19	| Q|				
1+25	3.7382	45.94	| Q|				
1+30	4.0889	50.92	| Q				
1+35	4.4666	54.84	| QV				
1+40	4.8410	54.36	| Q V				
1+45	5.2359	57.33	| |Q V				
1+50	5.6800	64.49	| | Q V				
1+55	6.1384	66.56	| | Q V				
2+ 0	6.5878	65.26	| | Q V				
2+ 5	7.0398	65.62	| | Q V|				
2+10	7.5137	68.82	| | Q V|				
2+15	8.0747	81.45	| | Q |V				
2+20	8.7219	93.97	| | Q | V				
2+25	9.3628	93.07	| | Q | V				
2+30	10.1873	119.72	| | | Q V				
2+35	11.1883	145.34	| | | Q|				
2+40	12.2913	160.16	| | | | Q				
2+45	13.2693	142.00	| | | Q | V				
2+50	13.9175	94.13	| | Q | | V				
2+55	14.3577	63.91	| Q | | V				
3+ 0	14.6958	49.09	| Q| | V				
3+ 5	14.9025	30.01	| Q | | V|				
3+10	15.0022	14.49	| Q | | V|				
3+15	15.0514	7.14	|Q | | V|				
3+20	15.0761	3.58	Q | | V|				
3+25	15.0866	1.52	Q | | V|				
3+30	15.0910	0.65	Q | | V|				
3+35	15.0935	0.36	Q | | V|				
3+40	15.0946	0.16	Q | | V|				
3+45	15.0948	0.03	Q | | V				

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  04/17/25 File: 5D100CHK6100.out


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       ------------------------------------------------------------------------

       Riverside County Synthetic Unit Hydrology Method
       RCFC & WCD Manual date - April 1978


       Program License Serial Number 6406

       ------------------------------------------------------------------------
        English (in-lb) Input Units Used
        English Rainfall Data (Inches) Input Values Used

        English Units used in output format



       ------------------------------------------------------------------------
       MESA VERDE ESTATES
       PROPOSED CONDITION
       AREA 5D, 100-YR UPDATED TRIBUTARY AREAS 5C & 5D
       04/14/25
       ------------------------------------------------------------------------
       Drainage Area =      95.35(Ac.)  =      0.149 Sq. Mi.
       Drainage Area for Depth-Area Areal Adjustment =      95.35(Ac.)  =
0.149 Sq. Mi.
       Length along longest watercourse =    5469.00(Ft.)
       Length along longest watercourse measured to centroid =    1605.00(Ft.)
       Length along longest watercourse =      1.036 Mi.
       Length along longest watercourse measured to centroid =      0.304 Mi.
       Difference in elevation =      39.80(Ft.)
       Slope along watercourse =     38.4246 Ft./Mi.
       Average Manning's 'N' = 0.015
       Lag time =    0.116 Hr.
       Lag time =     6.96 Min.
       25% of lag time =     1.74 Min.
       40% of lag time =     2.78 Min.
       Unit time =     5.00 Min.
       Duration of storm = 6 Hour(s)
       User Entered Base Flow =     0.00(CFS)

       2 YEAR Area rainfall data:


       Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
             95.35              1.35                 128.72

       100 YEAR Area rainfall data:


       Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
             95.35              2.78                 265.07

       STORM EVENT (YEAR) =  100.00
       Area Averaged 2-Year Rainfall =    1.350(In)
       Area Averaged 100-Year Rainfall =    2.780(In)

       Point rain (area averaged) =    2.780(In)
       Areal adjustment factor =   99.97 %
       Adjusted average point rain =    2.779(In)

       Sub-Area Data:
       Area(Ac.)         Runoff Index   Impervious %
            2.790           92.00          0.900
           45.350           94.00          0.900
           43.500           95.00          0.900
            0.750           65.00          0.120
            1.560           77.00          0.120
            1.400           82.00          0.120
        Total Area Entered =     95.35(Ac.)


       RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
       AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
       92.0  92.0      0.104     0.900        0.020        0.029      0.001
       94.0  94.0      0.078     0.900        0.015        0.476      0.007
       95.0  95.0      0.065     0.900        0.012        0.456      0.006
       65.0  65.0      0.416     0.120        0.371        0.008      0.003
       77.0  77.0      0.279     0.120        0.249        0.016      0.004
       82.0  82.0      0.221     0.120        0.197        0.015      0.003
                                                          Sum (F) =   0.023
       Area averaged mean soil loss (F) (In/Hr) =  0.023
       Minimum soil loss rate ((In/Hr)) =  0.012
       (for 24 hour storm duration)
       Soil low loss rate (decimal) =   0.204
       ------------------------------------------------------------------------

                    U n i t   H y d r o g r a p h
                          FOOTHILL S-Curve
       ------------------------------------------------------------------------
                     Unit Hydrograph Data
       ------------------------------------------------------------------------
       Unit time period   Time % of lag   Distribution   Unit Hydrograph
           (hrs)                          Graph %           (CFS)
       ------------------------------------------------------------------------
           1   0.083         71.830          7.477             7.185
           2   0.167        143.661         42.572            40.909
           3   0.250        215.491         28.156            27.057
           4   0.333        287.322         10.699            10.282
           5   0.417        359.152          5.831             5.603
           6   0.500        430.982          2.899             2.786
           7   0.583        502.813          1.030             0.990
           8   0.667        574.643          0.577             0.555
           9   0.750        646.474          0.484             0.465
          10   0.833        718.304          0.276             0.265
                                    Sum = 100.000   Sum=      96.095
       ------------------------------------------------------------------------

        The following loss rate calculations reflect use of the minimum calculated loss
        rate subtracted from the Storm Rain to produce the maximum Effective Rain value

         Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)      Effective
              (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
          1   0.08     0.50      0.167          0.023    (  0.034)        0.144
```

2	0.17	0.60	0.200	0.023	(0.041)	0.177
3	0.25	0.60	0.200	0.023	(0.041)	0.177
4	0.33	0.60	0.200	0.023	(0.041)	0.177
5	0.42	0.60	0.200	0.023	(0.041)	0.177
6	0.50	0.70	0.233	0.023	(0.048)	0.210
7	0.58	0.70	0.233	0.023	(0.048)	0.210
8	0.67	0.70	0.233	0.023	(0.048)	0.210
9	0.75	0.70	0.233	0.023	(0.048)	0.210
10	0.83	0.70	0.233	0.023	(0.048)	0.210
11	0.92	0.70	0.233	0.023	(0.048)	0.210
12	1.00	0.80	0.267	0.023	(0.055)	0.244
13	1.08	0.80	0.267	0.023	(0.055)	0.244
14	1.17	0.80	0.267	0.023	(0.055)	0.244
15	1.25	0.80	0.267	0.023	(0.055)	0.244
16	1.33	0.80	0.267	0.023	(0.055)	0.244
17	1.42	0.80	0.267	0.023	(0.055)	0.244
18	1.50	0.80	0.267	0.023	(0.055)	0.244
19	1.58	0.80	0.267	0.023	(0.055)	0.244
20	1.67	0.80	0.267	0.023	(0.055)	0.244
21	1.75	0.80	0.267	0.023	(0.055)	0.244
22	1.83	0.80	0.267	0.023	(0.055)	0.244
23	1.92	0.80	0.267	0.023	(0.055)	0.244
24	2.00	0.90	0.300	0.023	(0.061)	0.277
25	2.08	0.80	0.267	0.023	(0.055)	0.244
26	2.17	0.90	0.300	0.023	(0.061)	0.277
27	2.25	0.90	0.300	0.023	(0.061)	0.277
28	2.33	0.90	0.300	0.023	(0.061)	0.277
29	2.42	0.90	0.300	0.023	(0.061)	0.277
30	2.50	0.90	0.300	0.023	(0.061)	0.277
31	2.58	0.90	0.300	0.023	(0.061)	0.277
32	2.67	0.90	0.300	0.023	(0.061)	0.277
33	2.75	1.00	0.333	0.023	(0.068)	0.310
34	2.83	1.00	0.333	0.023	(0.068)	0.310
35	2.92	1.00	0.333	0.023	(0.068)	0.310
36	3.00	1.00	0.333	0.023	(0.068)	0.310
37	3.08	1.00	0.333	0.023	(0.068)	0.310
38	3.17	1.10	0.367	0.023	(0.075)	0.344
39	3.25	1.10	0.367	0.023	(0.075)	0.344
40	3.33	1.10	0.367	0.023	(0.075)	0.344
41	3.42	1.20	0.400	0.023	(0.082)	0.377
42	3.50	1.30	0.434	0.023	(0.089)	0.410
43	3.58	1.40	0.467	0.023	(0.095)	0.444
44	3.67	1.40	0.467	0.023	(0.095)	0.444
45	3.75	1.50	0.500	0.023	(0.102)	0.477
46	3.83	1.50	0.500	0.023	(0.102)	0.477
47	3.92	1.60	0.534	0.023	(0.109)	0.510
48	4.00	1.60	0.534	0.023	(0.109)	0.510
49	4.08	1.70	0.567	0.023	(0.116)	0.544
50	4.17	1.80	0.600	0.023	(0.123)	0.577
51	4.25	1.90	0.634	0.023	(0.129)	0.610
52	4.33	2.00	0.667	0.023	(0.136)	0.644
53	4.42	2.10	0.700	0.023	(0.143)	0.677
54	4.50	2.10	0.700	0.023	(0.143)	0.677
55	4.58	2.20	0.734	0.023	(0.150)	0.711
56	4.67	2.30	0.767	0.023	(0.157)	0.744
57	4.75	2.40	0.800	0.023	(0.164)	0.777
58	4.83	2.40	0.800	0.023	(0.164)	0.777
59	4.92	2.50	0.834	0.023	(0.170)	0.811
60	5.00	2.60	0.867	0.023	(0.177)	0.844
61	5.08	3.10	1.034	0.023	(0.211)	1.011
62	5.17	3.60	1.201	0.023	(0.245)	1.177
63	5.25	3.90	1.301	0.023	(0.266)	1.277
64	5.33	4.20	1.401	0.023	(0.286)	1.378
65	5.42	4.70	1.567	0.023	(0.320)	1.544
66	5.50	5.60	1.868	0.023	(0.382)	1.844
67	5.58	1.90	0.634	0.023	(0.129)	0.610
68	5.67	0.90	0.300	0.023	(0.061)	0.277
69	5.75	0.60	0.200	0.023	(0.041)	0.177
70	5.83	0.50	0.167	0.023	(0.034)	0.144
71	5.92	0.30	0.100	(0.023)	0.020	0.080
72	6.00	0.20	0.067	(0.023)	0.014	0.053

(Loss Rate Not Used)

Sum = 100.0 Sum = 31.7

Flood volume = Effective rainfall 2.64(In)
times area 95.3(Ac.)/[(In)/(Ft.)] = 21.0(Ac.Ft)
Total soil loss = 0.14(In)
Total soil loss = 1.096(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 914167.5 Cubic Feet
Total soil loss = 47732.1 Cubic Feet

Peak flow rate of this hydrograph = 148.349(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0071	1.03	Q				
0+10	0.0563	7.15	VQ				
0+15	0.1418	12.40	V Q				
0+20	0.2436	14.78	V Q				
0+25	0.3533	15.93	V Q				
0+30	0.4687	16.76	V Q				
0+35	0.5951	18.36	|V Q				
0+40	0.7285	19.37	|V Q				
0+45	0.8649	19.80	|V Q				
0+50	1.0029	20.04	|V Q				
0+55	1.1416	20.14	| V Q				
1+ 0	1.2822	20.42	| V Q				
1+ 5	1.4323	21.80	| V Q				
1+10	1.5888	22.72	| VQ				
1+15	1.7476	23.07	| VQ				
1+20	1.9078	23.26	| VQ				
1+25	2.0686	23.35	| VQ				
1+30	2.2296	23.38	| Q				
1+35	2.3908	23.40	| Q				
1+40	2.5521	23.42	| Q				
1+45	2.7134	23.42	| QV				
1+50	2.8747	23.42	| QV				
1+55	3.0360	23.42	| QV				
2+ 0	3.1990	23.66	| Q V				
2+ 5	3.3697	24.79	| Q V				
2+10	3.5389	24.57	| Q V				
2+15	3.7137	25.37	| Q V				
2+20	3.8936	26.12	| Q V				
2+25	4.0752	26.37	| Q V				
2+30	4.2576	26.50	| Q V				
2+35	4.4406	26.57	| Q V				
2+40	4.6239	26.60	| Q V				

```
   2+45       4.8088     26.86  |    Q   V|          |          |          | □
   2+50       5.0032     28.23  |    Q   V|          |          |          | □
   2+55       5.2039     29.14  |    Q   V|          |          |          | □
   3+ 0       5.4069     29.48  |    Q    V          |          |          | □
   3+ 5       5.6113     29.67  |    Q    V          |          |          | □
   3+10       5.8179     30.00  |     Q   |V         |          |          | □
   3+15       6.0341     31.40  |     Q   |V         |          |          | □
   3+20       6.2567     32.32  |     Q   |V         |          |          | □
   3+25       6.4834     32.92  |     Q   | V        |          |          | □
   3+30       6.7225     34.72  |     Q   | V        |          |          | □
   3+35       6.9796     37.32  |      Q  |  V       |          |          | □
   3+40       7.2548     39.96  |      Q  |  V       |          |          | □
   3+45       7.5417     41.65  |       Q |   V      |          |          | □
   3+50       7.8423     43.66  |       Q |   V      |          |          | □
   3+55       8.1531     45.12  |        Q|    V     |          |          | □
   4+ 0       8.4766     46.97  |        Q|     V    |          |          | □
   4+ 5       8.8098     48.37  |        Q|     V    |          |          | □
   4+10       9.1572     50.45  |         Q      V   |          |          | □
   4+15       9.5237     53.21  |         Q       V  |          |          | □
   4+20       9.9106     56.18  |         |Q      V  |          |          | □
   4+25      10.3187     59.26  |         |Q       V|          |          | □
   4+30      10.7470     62.18  |         | Q       V          |          | □
   4+35      11.1877     64.00  |         | Q       |V         |          | □
   4+40      11.6442     66.28  |         |  Q      | V        |          | □
   4+45      12.1204     69.14  |         |  Q      |  V       |          | □
   4+50      12.6157     71.92  |         |   Q     |   V      |          | □
   4+55      13.1230     73.67  |         |   Q     |    V     |          | □
   5+ 0      13.6460     75.94  |         |    Q    |     V    |          | □
   5+ 5      14.1952     79.74  |         |    Q    |      V   |          | □
   5+10      14.8092     89.16  |         |      Q  |       V  |          | □
   5+15      15.5105    101.82  |         |         Q        V|          | □
   5+20      16.2900    113.18  |         |          | Q       |V         | □
   5+25      17.1439    123.99  |         |          |   Q     | V        | □
   5+30      18.0954    138.17  |         |          |      Q  |   V      | □
   5+35      19.1171    148.35  |         |          |        Q|     V    | □
   5+40      19.8500    106.41  |         |          |Q        |      V   | □
   5+45      20.2853     63.22  |         | Q        |         |       V  | □
   5+50      20.5580     39.58  |       Q  |         |         |        V| □
   5+55      20.7360     25.85  |    Q     |         |         |        V| □
   6+ 0      20.8480     16.26  |  Q       |         |         |        V| □
   6+ 5      20.9188     10.28  | Q        |         |         |        V| □
   6+10      20.9562      5.43  |Q         |         |         |        V| □
   6+15      20.9734      2.49  Q          |         |         |        V| □
   6+20      20.9806      1.05  Q          |         |         |        V| □
   6+25      20.9838      0.46  Q          |         |         |        V| □
   6+30      20.9853      0.21  Q          |         |         |        V| □
   6+35      20.9860      0.10  Q          |         |         |        V| □
   6+40      20.9863      0.05  Q          |         |         |        V| □
   6+45      20.9864      0.01  Q          |         |         |        V| □
---------------------------------------------------------------------------□
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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  04/17/25 File: 5D100CHK24100.out


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        ------------------------------------------------------------------------

        Riverside County Synthetic Unit Hydrology Method
        RCFC & WCD Manual date - April 1978


        Program License Serial Number 6406

        ------------------------------------------------------------------------
         English (in-lb) Input Units Used
         English Rainfall Data (Inches) Input Values Used

         English Units used in output format



        ------------------------------------------------------------------------
        MESA VERDE ESTATES
        PROPOSED CONDITION
        AREA 5D, 100-YR UPDATED TRIBUTARY AREAS 5C & 5D
        04/14/25
        ------------------------------------------------------------------------
        Drainage Area =      95.35(Ac.)  =      0.149 Sq. Mi.
        Drainage Area for Depth-Area Areal Adjustment =      95.35(Ac.)  =
0.149 Sq. Mi.
        Length along longest watercourse =    5469.00(Ft.)
        Length along longest watercourse measured to centroid =    1605.00(Ft.)
        Length along longest watercourse =      1.036 Mi.
        Length along longest watercourse measured to centroid =      0.304 Mi.
        Difference in elevation =      39.80(Ft.)
        Slope along watercourse =     38.4246 Ft./Mi.
        Average Manning's 'N' = 0.015
        Lag time =    0.116 Hr.
        Lag time =     6.96 Min.
        25% of lag time =     1.74 Min.
        40% of lag time =     2.78 Min.
        Unit time =     5.00 Min.
        Duration of storm = 24 Hour(s)
        User Entered Base Flow =     0.00(CFS)

        2 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
               95.35              2.45                  233.61

        100 YEAR Area rainfall data:


        Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
               95.35              6.08                  579.73

        STORM EVENT (YEAR) =  100.00
        Area Averaged 2-Year Rainfall =    2.450(In)
        Area Averaged 100-Year Rainfall =    6.080(In)

        Point rain (area averaged) =    6.080(In)
        Areal adjustment factor =   99.98 %
        Adjusted average point rain =    6.079(In)

        Sub-Area Data:
        Area(Ac.)          Runoff Index   Impervious %
             2.790            92.00          0.900
            45.350            94.00          0.900
            43.500            95.00          0.900
             0.750            65.00          0.120
             1.560            77.00          0.120
             1.400            82.00          0.120
         Total Area Entered =     95.35(Ac.)


        RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
        AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
        92.0  92.0      0.104     0.900        0.020        0.029      0.001
        94.0  94.0      0.078     0.900        0.015        0.476      0.007
        95.0  95.0      0.065     0.900        0.012        0.456      0.006
        65.0  65.0      0.416     0.120        0.371        0.008      0.003
        77.0  77.0      0.279     0.120        0.249        0.016      0.004
        82.0  82.0      0.221     0.120        0.197        0.015      0.003
                                                          Sum (F) =    0.023
        Area averaged mean soil loss (F) (In/Hr) =  0.023
        Minimum soil loss rate ((In/Hr)) =  0.012
        (for 24 hour storm duration)
        Soil low loss rate (decimal) =   0.204
        ------------------------------------------------------------------------

                    U n i t   H y d r o g r a p h
                          FOOTHILL S-Curve
        ------------------------------------------------------------------------
                     Unit Hydrograph Data
        ------------------------------------------------------------------------
        Unit time period   Time % of lag   Distribution   Unit Hydrograph
            (hrs)                          Graph %           (CFS)
        ------------------------------------------------------------------------
            1   0.083         71.830          7.477             7.185
            2   0.167        143.661         42.572            40.909
            3   0.250        215.491         28.156            27.057
            4   0.333        287.322         10.699            10.282
            5   0.417        359.152          5.831             5.603
            6   0.500        430.982          2.899             2.786
            7   0.583        502.813          1.030             0.990
            8   0.667        574.643          0.577             0.555
            9   0.750        646.474          0.484             0.465
           10   0.833        718.304          0.276             0.265
                                      Sum = 100.000   Sum=      96.095
        ------------------------------------------------------------------------

         The following loss rate calculations reflect use of the minimum calculated loss
         rate subtracted from the Storm Rain to produce the maximum Effective Rain value

          Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
               (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
            1   0.08     0.07      0.049       (  0.041)       0.010        0.039
```

2	0.17	0.07	0.049	(0.041)	0.010	0.039
3	0.25	0.07	0.049	(0.041)	0.010	0.039
4	0.33	0.10	0.073	(0.041)	0.015	0.058
5	0.42	0.10	0.073	(0.040)	0.015	0.058
6	0.50	0.10	0.073	(0.040)	0.015	0.058
7	0.58	0.10	0.073	(0.040)	0.015	0.058
8	0.67	0.10	0.073	(0.040)	0.015	0.058
9	0.75	0.10	0.073	(0.040)	0.015	0.058
10	0.83	0.13	0.097	(0.040)	0.020	0.077
11	0.92	0.13	0.097	(0.039)	0.020	0.077
12	1.00	0.13	0.097	(0.039)	0.020	0.077
13	1.08	0.10	0.073	(0.039)	0.015	0.058
14	1.17	0.10	0.073	(0.039)	0.015	0.058
15	1.25	0.10	0.073	(0.039)	0.015	0.058
16	1.33	0.10	0.073	(0.039)	0.015	0.058
17	1.42	0.10	0.073	(0.039)	0.015	0.058
18	1.50	0.10	0.073	(0.038)	0.015	0.058
19	1.58	0.10	0.073	(0.038)	0.015	0.058
20	1.67	0.10	0.073	(0.038)	0.015	0.058
21	1.75	0.10	0.073	(0.038)	0.015	0.058
22	1.83	0.13	0.097	(0.038)	0.020	0.077
23	1.92	0.13	0.097	(0.038)	0.020	0.077
24	2.00	0.13	0.097	(0.037)	0.020	0.077
25	2.08	0.13	0.097	(0.037)	0.020	0.077
26	2.17	0.13	0.097	(0.037)	0.020	0.077
27	2.25	0.13	0.097	(0.037)	0.020	0.077
28	2.33	0.13	0.097	(0.037)	0.020	0.077
29	2.42	0.13	0.097	(0.037)	0.020	0.077
30	2.50	0.13	0.097	(0.037)	0.020	0.077
31	2.58	0.17	0.122	(0.036)	0.025	0.097
32	2.67	0.17	0.122	(0.036)	0.025	0.097
33	2.75	0.17	0.122	(0.036)	0.025	0.097
34	2.83	0.17	0.122	(0.036)	0.025	0.097
35	2.92	0.17	0.122	(0.036)	0.025	0.097
36	3.00	0.17	0.122	(0.036)	0.025	0.097
37	3.08	0.17	0.122	(0.036)	0.025	0.097
38	3.17	0.17	0.122	(0.035)	0.025	0.097
39	3.25	0.17	0.122	(0.035)	0.025	0.097
40	3.33	0.17	0.122	(0.035)	0.025	0.097
41	3.42	0.17	0.122	(0.035)	0.025	0.097
42	3.50	0.17	0.122	(0.035)	0.025	0.097
43	3.58	0.17	0.122	(0.035)	0.025	0.097
44	3.67	0.17	0.122	(0.035)	0.025	0.097
45	3.75	0.17	0.122	(0.034)	0.025	0.097
46	3.83	0.20	0.146	(0.034)	0.030	0.116
47	3.92	0.20	0.146	(0.034)	0.030	0.116
48	4.00	0.20	0.146	(0.034)	0.030	0.116
49	4.08	0.20	0.146	(0.034)	0.030	0.116
50	4.17	0.20	0.146	(0.034)	0.030	0.116
51	4.25	0.20	0.146	(0.033)	0.030	0.116
52	4.33	0.23	0.170	0.033	(0.035)	0.137
53	4.42	0.23	0.170	0.033	(0.035)	0.137
54	4.50	0.23	0.170	0.033	(0.035)	0.137
55	4.58	0.23	0.170	0.033	(0.035)	0.137
56	4.67	0.23	0.170	0.033	(0.035)	0.137
57	4.75	0.23	0.170	0.033	(0.035)	0.138
58	4.83	0.27	0.195	0.032	(0.040)	0.162
59	4.92	0.27	0.195	0.032	(0.040)	0.162
60	5.00	0.27	0.195	0.032	(0.040)	0.162
61	5.08	0.20	0.146	(0.032)	0.030	0.116
62	5.17	0.20	0.146	(0.032)	0.030	0.116
63	5.25	0.20	0.146	(0.032)	0.030	0.116
64	5.33	0.23	0.170	0.032	(0.035)	0.139
65	5.42	0.23	0.170	0.032	(0.035)	0.139
66	5.50	0.23	0.170	0.031	(0.035)	0.139
67	5.58	0.27	0.195	0.031	(0.040)	0.163
68	5.67	0.27	0.195	0.031	(0.040)	0.163
69	5.75	0.27	0.195	0.031	(0.040)	0.164
70	5.83	0.27	0.195	0.031	(0.040)	0.164
71	5.92	0.27	0.195	0.031	(0.040)	0.164
72	6.00	0.27	0.195	0.031	(0.040)	0.164
73	6.08	0.30	0.219	0.030	(0.045)	0.188
74	6.17	0.30	0.219	0.030	(0.045)	0.189
75	6.25	0.30	0.219	0.030	(0.045)	0.189
76	6.33	0.30	0.219	0.030	(0.045)	0.189
77	6.42	0.30	0.219	0.030	(0.045)	0.189
78	6.50	0.30	0.219	0.030	(0.045)	0.189
79	6.58	0.33	0.243	0.030	(0.050)	0.214
80	6.67	0.33	0.243	0.029	(0.050)	0.214
81	6.75	0.33	0.243	0.029	(0.050)	0.214
82	6.83	0.33	0.243	0.029	(0.050)	0.214
83	6.92	0.33	0.243	0.029	(0.050)	0.214
84	7.00	0.33	0.243	0.029	(0.050)	0.214
85	7.08	0.33	0.243	0.029	(0.050)	0.214
86	7.17	0.33	0.243	0.029	(0.050)	0.214
87	7.25	0.33	0.243	0.029	(0.050)	0.215
88	7.33	0.37	0.267	0.028	(0.055)	0.239
89	7.42	0.37	0.267	0.028	(0.055)	0.239
90	7.50	0.37	0.267	0.028	(0.055)	0.239
91	7.58	0.40	0.292	0.028	(0.060)	0.264
92	7.67	0.40	0.292	0.028	(0.060)	0.264
93	7.75	0.40	0.292	0.028	(0.060)	0.264
94	7.83	0.43	0.316	0.028	(0.065)	0.288
95	7.92	0.43	0.316	0.028	(0.065)	0.289
96	8.00	0.43	0.316	0.027	(0.065)	0.289
97	8.08	0.50	0.365	0.027	(0.075)	0.337
98	8.17	0.50	0.365	0.027	(0.075)	0.338
99	8.25	0.50	0.365	0.027	(0.075)	0.338
100	8.33	0.50	0.365	0.027	(0.075)	0.338
101	8.42	0.50	0.365	0.027	(0.075)	0.338
102	8.50	0.50	0.365	0.027	(0.075)	0.338
103	8.58	0.53	0.389	0.027	(0.079)	0.363
104	8.67	0.53	0.389	0.026	(0.079)	0.363
105	8.75	0.53	0.389	0.026	(0.079)	0.363
106	8.83	0.57	0.413	0.026	(0.084)	0.387
107	8.92	0.57	0.413	0.026	(0.084)	0.387
108	9.00	0.57	0.413	0.026	(0.084)	0.387
109	9.08	0.63	0.462	0.026	(0.094)	0.436
110	9.17	0.63	0.462	0.026	(0.094)	0.436
111	9.25	0.63	0.462	0.026	(0.094)	0.436
112	9.33	0.67	0.486	0.025	(0.099)	0.461
113	9.42	0.67	0.486	0.025	(0.099)	0.461
114	9.50	0.67	0.486	0.025	(0.099)	0.461
115	9.58	0.70	0.511	0.025	(0.104)	0.486
116	9.67	0.70	0.511	0.025	(0.104)	0.486
117	9.75	0.70	0.511	0.025	(0.104)	0.486
118	9.83	0.73	0.535	0.025	(0.109)	0.510
119	9.92	0.73	0.535	0.025	(0.109)	0.510
120	10.00	0.73	0.535	0.024	(0.109)	0.510
121	10.08	0.50	0.365	0.024	(0.075)	0.340
122	10.17	0.50	0.365	0.024	(0.075)	0.341
123	10.25	0.50	0.365	0.024	(0.075)	0.341
124	10.33	0.50	0.365	0.024	(0.075)	0.341
125	10.42	0.50	0.365	0.024	(0.075)	0.341

126	10.50	0.50	0.365	0.024	(0.075)	0.341
127	10.58	0.67	0.486	0.024	(0.099)	0.463
128	10.67	0.67	0.486	0.024	(0.099)	0.463
129	10.75	0.67	0.486	0.023	(0.099)	0.463
130	10.83	0.67	0.486	0.023	(0.099)	0.463
131	10.92	0.67	0.486	0.023	(0.099)	0.463
132	11.00	0.67	0.486	0.023	(0.099)	0.463
133	11.08	0.63	0.462	0.023	(0.094)	0.439
134	11.17	0.63	0.462	0.023	(0.094)	0.439
135	11.25	0.63	0.462	0.023	(0.094)	0.439
136	11.33	0.63	0.462	0.023	(0.094)	0.439
137	11.42	0.63	0.462	0.022	(0.094)	0.439
138	11.50	0.63	0.462	0.022	(0.094)	0.440
139	11.58	0.57	0.413	0.022	(0.084)	0.391
140	11.67	0.57	0.413	0.022	(0.084)	0.391
141	11.75	0.57	0.413	0.022	(0.084)	0.391
142	11.83	0.60	0.438	0.022	(0.089)	0.416
143	11.92	0.60	0.438	0.022	(0.089)	0.416
144	12.00	0.60	0.438	0.022	(0.089)	0.416
145	12.08	0.83	0.608	0.022	(0.124)	0.586
146	12.17	0.83	0.608	0.022	(0.124)	0.586
147	12.25	0.83	0.608	0.021	(0.124)	0.586
148	12.33	0.87	0.632	0.021	(0.129)	0.611
149	12.42	0.87	0.632	0.021	(0.129)	0.611
150	12.50	0.87	0.632	0.021	(0.129)	0.611
151	12.58	0.93	0.681	0.021	(0.139)	0.660
152	12.67	0.93	0.681	0.021	(0.139)	0.660
153	12.75	0.93	0.681	0.021	(0.139)	0.660
154	12.83	0.97	0.705	0.021	(0.144)	0.684
155	12.92	0.97	0.705	0.021	(0.144)	0.685
156	13.00	0.97	0.705	0.020	(0.144)	0.685
157	13.08	1.13	0.827	0.020	(0.169)	0.806
158	13.17	1.13	0.827	0.020	(0.169)	0.806
159	13.25	1.13	0.827	0.020	(0.169)	0.807
160	13.33	1.13	0.827	0.020	(0.169)	0.807
161	13.42	1.13	0.827	0.020	(0.169)	0.807
162	13.50	1.13	0.827	0.020	(0.169)	0.807
163	13.58	0.77	0.559	0.020	(0.114)	0.540
164	13.67	0.77	0.559	0.020	(0.114)	0.540
165	13.75	0.77	0.559	0.020	(0.114)	0.540
166	13.83	0.77	0.559	0.019	(0.114)	0.540
167	13.92	0.77	0.559	0.019	(0.114)	0.540
168	14.00	0.77	0.559	0.019	(0.114)	0.540
169	14.08	0.90	0.657	0.019	(0.134)	0.637
170	14.17	0.90	0.657	0.019	(0.134)	0.637
171	14.25	0.90	0.657	0.019	(0.134)	0.638
172	14.33	0.87	0.632	0.019	(0.129)	0.613
173	14.42	0.87	0.632	0.019	(0.129)	0.613
174	14.50	0.87	0.632	0.019	(0.129)	0.614
175	14.58	0.87	0.632	0.019	(0.129)	0.614
176	14.67	0.87	0.632	0.018	(0.129)	0.614
177	14.75	0.87	0.632	0.018	(0.129)	0.614
178	14.83	0.83	0.608	0.018	(0.124)	0.590
179	14.92	0.83	0.608	0.018	(0.124)	0.590
180	15.00	0.83	0.608	0.018	(0.124)	0.590
181	15.08	0.80	0.584	0.018	(0.119)	0.566
182	15.17	0.80	0.584	0.018	(0.119)	0.566
183	15.25	0.80	0.584	0.018	(0.119)	0.566
184	15.33	0.77	0.559	0.018	(0.114)	0.542
185	15.42	0.77	0.559	0.018	(0.114)	0.542
186	15.50	0.77	0.559	0.018	(0.114)	0.542
187	15.58	0.63	0.462	0.017	(0.094)	0.445
188	15.67	0.63	0.462	0.017	(0.094)	0.445
189	15.75	0.63	0.462	0.017	(0.094)	0.445
190	15.83	0.63	0.462	0.017	(0.094)	0.445
191	15.92	0.63	0.462	0.017	(0.094)	0.445
192	16.00	0.63	0.462	0.017	(0.094)	0.445
193	16.08	0.13	0.097	0.017	(0.020)	0.080
194	16.17	0.13	0.097	0.017	(0.020)	0.080
195	16.25	0.13	0.097	0.017	(0.020)	0.081
196	16.33	0.13	0.097	0.017	(0.020)	0.081
197	16.42	0.13	0.097	0.017	(0.020)	0.081
198	16.50	0.13	0.097	0.016	(0.020)	0.081
199	16.58	0.10	0.073	(0.016)	0.015	0.058
200	16.67	0.10	0.073	(0.016)	0.015	0.058
201	16.75	0.10	0.073	(0.016)	0.015	0.058
202	16.83	0.10	0.073	(0.016)	0.015	0.058
203	16.92	0.10	0.073	(0.016)	0.015	0.058
204	17.00	0.10	0.073	(0.016)	0.015	0.058
205	17.08	0.17	0.122	0.016	(0.025)	0.106
206	17.17	0.17	0.122	0.016	(0.025)	0.106
207	17.25	0.17	0.122	0.016	(0.025)	0.106
208	17.33	0.17	0.122	0.016	(0.025)	0.106
209	17.42	0.17	0.122	0.016	(0.025)	0.106
210	17.50	0.17	0.122	0.016	(0.025)	0.106
211	17.58	0.17	0.122	0.015	(0.025)	0.106
212	17.67	0.17	0.122	0.015	(0.025)	0.106
213	17.75	0.17	0.122	0.015	(0.025)	0.106
214	17.83	0.13	0.097	0.015	(0.020)	0.082
215	17.92	0.13	0.097	0.015	(0.020)	0.082
216	18.00	0.13	0.097	0.015	(0.020)	0.082
217	18.08	0.13	0.097	0.015	(0.020)	0.082
218	18.17	0.13	0.097	0.015	(0.020)	0.082
219	18.25	0.13	0.097	0.015	(0.020)	0.082
220	18.33	0.13	0.097	0.015	(0.020)	0.082
221	18.42	0.13	0.097	0.015	(0.020)	0.083
222	18.50	0.13	0.097	0.015	(0.020)	0.083
223	18.58	0.10	0.073	0.015	(0.015)	0.058
224	18.67	0.10	0.073	0.014	(0.015)	0.058
225	18.75	0.10	0.073	0.014	(0.015)	0.059
226	18.83	0.07	0.049	(0.014)	0.010	0.039
227	18.92	0.07	0.049	(0.014)	0.010	0.039
228	19.00	0.07	0.049	(0.014)	0.010	0.039
229	19.08	0.10	0.073	0.014	(0.015)	0.059
230	19.17	0.10	0.073	0.014	(0.015)	0.059
231	19.25	0.10	0.073	0.014	(0.015)	0.059
232	19.33	0.13	0.097	0.014	(0.020)	0.083
233	19.42	0.13	0.097	0.014	(0.020)	0.083
234	19.50	0.13	0.097	0.014	(0.020)	0.083
235	19.58	0.10	0.073	0.014	(0.015)	0.059
236	19.67	0.10	0.073	0.014	(0.015)	0.059
237	19.75	0.10	0.073	0.014	(0.015)	0.059
238	19.83	0.07	0.049	(0.014)	0.010	0.039
239	19.92	0.07	0.049	(0.014)	0.010	0.039
240	20.00	0.07	0.049	(0.013)	0.010	0.039
241	20.08	0.10	0.073	0.013	(0.015)	0.060
242	20.17	0.10	0.073	0.013	(0.015)	0.060
243	20.25	0.10	0.073	0.013	(0.015)	0.060
244	20.33	0.10	0.073	0.013	(0.015)	0.060
245	20.42	0.10	0.073	0.013	(0.015)	0.060
246	20.50	0.10	0.073	0.013	(0.015)	0.060
247	20.58	0.10	0.073	0.013	(0.015)	0.060
248	20.67	0.10	0.073	0.013	(0.015)	0.060
249	20.75	0.10	0.073	0.013	(0.015)	0.060

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250  20.83     0.07      0.049       (  0.013)        0.010        0.039□
251  20.92     0.07      0.049       (  0.013)        0.010        0.039□
252  21.00     0.07      0.049       (  0.013)        0.010        0.039□
253  21.08     0.10      0.073          0.013     (  0.015)        0.060□
254  21.17     0.10      0.073          0.013     (  0.015)        0.060□
255  21.25     0.10      0.073          0.013     (  0.015)        0.060□
256  21.33     0.07      0.049       (  0.013)        0.010        0.039□
257  21.42     0.07      0.049       (  0.013)        0.010        0.039□
258  21.50     0.07      0.049       (  0.012)        0.010        0.039□
259  21.58     0.10      0.073          0.012     (  0.015)        0.061□
260  21.67     0.10      0.073          0.012     (  0.015)        0.061□
261  21.75     0.10      0.073          0.012     (  0.015)        0.061□
262  21.83     0.07      0.049       (  0.012)        0.010        0.039□
263  21.92     0.07      0.049       (  0.012)        0.010        0.039□
264  22.00     0.07      0.049       (  0.012)        0.010        0.039□
265  22.08     0.10      0.073          0.012     (  0.015)        0.061□
266  22.17     0.10      0.073          0.012     (  0.015)        0.061□
267  22.25     0.10      0.073          0.012     (  0.015)        0.061□
268  22.33     0.07      0.049       (  0.012)        0.010        0.039□
269  22.42     0.07      0.049       (  0.012)        0.010        0.039□
270  22.50     0.07      0.049       (  0.012)        0.010        0.039□
271  22.58     0.07      0.049       (  0.012)        0.010        0.039□
272  22.67     0.07      0.049       (  0.012)        0.010        0.039□
273  22.75     0.07      0.049       (  0.012)        0.010        0.039□
274  22.83     0.07      0.049       (  0.012)        0.010        0.039□
275  22.92     0.07      0.049       (  0.012)        0.010        0.039□
276  23.00     0.07      0.049       (  0.012)        0.010        0.039□
277  23.08     0.07      0.049       (  0.012)        0.010        0.039□
278  23.17     0.07      0.049       (  0.012)        0.010        0.039□
279  23.25     0.07      0.049       (  0.012)        0.010        0.039□
280  23.33     0.07      0.049       (  0.012)        0.010        0.039□
281  23.42     0.07      0.049       (  0.012)        0.010        0.039□
282  23.50     0.07      0.049       (  0.012)        0.010        0.039□
283  23.58     0.07      0.049       (  0.012)        0.010        0.039□
284  23.67     0.07      0.049       (  0.012)        0.010        0.039□
285  23.75     0.07      0.049       (  0.012)        0.010        0.039□
286  23.83     0.07      0.049       (  0.012)        0.010        0.039□
287  23.92     0.07      0.049       (  0.012)        0.010        0.039□
288  24.00     0.07      0.049       (  0.012)        0.010        0.039□
                (Loss Rate Not Used)□
    Sum =     100.0                                  Sum =     67.2□
       Flood volume = Effective rainfall      5.60(In)□
        times area      95.3(Ac.)/[(In)/(Ft.)] =      44.5(Ac.Ft)□
       Total soil loss =      0.48(In)□
       Total soil loss =     3.786(Ac.Ft)□
       Total rainfall =      6.08(In)□
       Flood volume =     1939118.6 Cubic Feet□
       Total soil loss =      164902.2 Cubic Feet□
       ------------------------------------------------------------------□
        Peak flow rate of this hydrograph =     77.277(CFS)□
       ------------------------------------------------------------------□
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++□
                          24 - H O U R    S T O R M□
                     R u n o f f      H y d r o g r a p h□
       ------------------------------------------------------------------□
                   Hydrograph in   5   Minute intervals ((CFS))□

       ------------------------------------------------------------------□
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0□
 ----------------------------------------------------------------------□
   0+ 5       0.0019      0.28  Q         |         |         |         | □
   0+10       0.0147      1.86  Q         |         |         |         | □
   0+15       0.0348      2.91  VQ        |         |         |         | □
   0+20       0.0585      3.45  VQ        |         |         |         | □
   0+25       0.0892      4.46  V Q       |         |         |         | □
   0+30       0.1242      5.09  V Q       |         |         |         | □
   0+35       0.1609      5.32  V Q       |         |         |         | □
   0+40       0.1985      5.45  V Q       |         |         |         | □
   0+45       0.2365      5.53  V Q       |         |         |         | □
   0+50       0.2757      5.69  V Q       |         |         |         | □
   0+55       0.3205      6.50  V  Q       |         |         |         | □
   1+ 0       0.3689      7.03  V  Q       |         |         |         | □
   1+ 5       0.4178      7.10  V  Q       |         |         |         | □
   1+10       0.4619      6.41  V  Q       |         |         |         | □
   1+15       0.5029      5.94  V Q        |         |         |         | □
   1+20       0.5425      5.76  V Q        |         |         |         | □
   1+25       0.5816      5.66  V Q        |         |         |         | □
   1+30       0.6203      5.62  V Q        |         |         |         | □
   1+35       0.6589      5.61  V Q        |         |         |         | □
   1+40       0.6974      5.59  V Q        |         |         |         | □
   1+45       0.7359      5.59  V Q        |         |         |         | □
   1+50       0.7753      5.72  V Q        |         |         |         | □
   1+55       0.8201      6.51  V  Q       |         |         |         | □
   2+ 0       0.8686      7.04  V  Q       |         |         |         | □
   2+ 5       0.9184      7.23  V  Q       |         |         |         | □
   2+10       0.9689      7.34  V  Q       |         |         |         | □
   2+15       1.0199      7.40  V  Q       |         |         |         | □
   2+20       1.0710      7.42  V  Q       |         |         |         | □
   2+25       1.1221      7.43  |V Q       |         |         |         | □
   2+30       1.1733      7.44  |V Q       |         |         |         | □
   2+35       1.2255      7.58  |V Q       |         |         |         | □
   2+40       1.2832      8.37  |V  Q      |         |         |         | □
   2+45       1.3444      8.90  |V  Q      |         |         |         | □
   2+50       1.4071      9.09  |V  Q      |         |         |         | □
   2+55       1.4705      9.20  |V  Q      |         |         |         | □
   3+ 0       1.5342      9.26  |V  Q      |         |         |         | □
   3+ 5       1.5981      9.28  |V  Q      |         |         |         | □
   3+10       1.6621      9.29  |V  Q      |         |         |         | □
   3+15       1.7261      9.30  |V  Q      |         |         |         | □
   3+20       1.7901      9.30  |V  Q      |         |         |         | □
   3+25       1.8542      9.30  |V  Q      |         |         |         | □
   3+30       1.9182      9.30  |V  Q      |         |         |         | □
   3+35       1.9823      9.30  |V  Q      |         |         |         | □
   3+40       2.0464      9.30  |V  Q      |         |         |         | □
   3+45       2.1104      9.30  |V  Q      |         |         |         | □
   3+50       2.1754      9.44  |V  Q      |         |         |         | □
   3+55       2.2459     10.23  | V  Q     |         |         |         | □
   4+ 0       2.3200     10.76  | V  Q     |         |         |         | □
   4+ 5       2.3954     10.95  | V  Q     |         |         |         | □
   4+10       2.4716     11.06  | V  Q     |         |         |         | □
   4+15       2.5482     11.12  | V  Q     |         |         |         | □
   4+20       2.6259     11.29  | V  Q     |         |         |         | □
   4+25       2.7096     12.15  | V   Q    |         |         |         | □
   4+30       2.7972     12.73  | V   Q    |         |         |         | □
   4+35       2.8864     12.96  | V   Q    |         |         |         | □
   4+40       2.9765     13.08  | V   Q    |         |         |         | □
   4+45       3.0671     13.15  | V   Q    |         |         |         | □
   4+50       3.1592     13.36  | V   Q    |         |         |         | □
   4+55       3.2582     14.38  | V    Q   |         |         |         | □
   5+ 0       3.3620     15.06  |  V   Q   |         |         |         | □
   5+ 5       3.4653     15.00  |  V   Q   |         |         |         | □
   5+10       3.5565     13.25  |  V  Q    |         |         |         | □
   5+15       3.6397     12.07  |  V  Q    |         |         |         | □
   5+20       3.7208     11.78  |  V Q     |         |         |         | □
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5+25	3.8066	12.46	V Q
5+30	3.8959	12.96	V Q
5+35	3.9877	13.33	V Q
5+40	4.0871	14.44	V Q
5+45	4.1915	15.15	V Q
5+50	4.2977	15.43	V Q
5+55	4.4051	15.59	V Q
6+ 0	4.5131	15.68	V Q
6+ 5	4.6225	15.90	V Q
6+10	4.7390	16.92	V Q
6+15	4.8603	17.60	V Q
6+20	4.9833	17.87	V Q
6+25	5.1074	18.02	V Q
6+30	5.2321	18.10	V Q
6+35	5.3582	18.31	V Q
6+40	5.4914	19.33	V Q
6+45	5.6292	20.02	V Q
6+50	5.7689	20.29	V Q
6+55	5.9097	20.43	V Q
7+ 0	6.0509	20.52	V Q
7+ 5	6.1925	20.55	V Q
7+10	6.3342	20.58	V Q
7+15	6.4761	20.60	V Q
7+20	6.6193	20.80	V Q
7+25	6.7695	21.80	V Q
7+30	6.9243	22.47	V Q
7+35	7.0821	22.91	V Q
7+40	7.2477	24.06	V Q
7+45	7.4185	24.79	V Q
7+50	7.5924	25.26	V Q
7+55	7.7743	26.41	V Q
8+ 0	7.9614	27.16	V Q
8+ 5	8.1529	27.81	V Q
8+10	8.3592	29.96	V Q
8+15	8.5752	31.37	V Q
8+20	8.7950	31.91	V Q
8+25	9.0168	32.21	V Q
8+30	9.2397	32.37	V Q
8+35	9.4643	32.61	V Q
8+40	9.6960	33.64	V Q
8+45	9.9324	34.33	V Q
8+50	10.1720	34.78	V Q
8+55	10.4194	35.93	V Q
9+ 0	10.6719	36.67	V Q
9+ 5	10.9288	37.30	V Q
9+10	11.2006	39.45	V Q
9+15	11.4820	40.86	V Q
9+20	11.7683	41.58	V Q
9+25	12.0636	42.87	V Q
9+30	12.3645	43.69	V Q
9+35	12.6687	44.18	V Q
9+40	12.9810	45.35	V Q
9+45	13.2986	46.11	V Q
9+50	13.6194	46.58	V Q
9+55	13.9482	47.74	V Q
10+ 0	14.2821	48.49	V Q
10+ 5	14.6097	47.56	V Q
10+10	14.8903	40.75	V Q
10+15	15.1399	36.23	V Q
10+20	15.3777	34.53	V Q
10+25	15.6090	33.60	V Q
10+30	15.8373	33.14	V Q
10+35	16.0705	33.87	V Q
10+40	16.3375	38.76	V Q
10+45	16.6266	41.98	V Q
10+50	16.9241	43.20	V Q
10+55	17.2264	43.89	V Q
11+ 0	17.5311	44.24	V Q
11+ 5	17.8355	44.20	V Q
11+10	18.1336	43.28	V Q
11+15	18.4276	42.69	V Q
11+20	18.7202	42.48	V Q
11+25	19.0119	42.36	V Q
11+30	19.3033	42.30	V Q
11+35	19.5921	41.94	V Q
11+40	19.8672	39.95	V Q
11+45	20.1332	38.63	V Q
11+50	20.3971	38.31	V Q
11+55	20.6659	39.04	V Q
12+ 0	20.9385	39.57	V Q
12+ 5	21.2209	41.01	V Q
12+10	21.5522	48.10	V Q
12+15	21.9155	52.76	V Q
12+20	22.2923	54.71	V Q
12+25	22.6826	56.68	V Q
12+30	23.0809	57.83	V Q
12+35	23.4847	58.62	V Q
12+40	23.9037	60.85	V Q
12+45	24.3330	62.32	V Q
12+50	24.7674	63.08	V Q
12+55	25.2107	64.37	V Q
13+ 0	25.6596	65.19	V Q
13+ 5	26.1168	66.37	V Q
13+10	26.6093	71.52	V Q
13+15	27.1253	74.91	V Q
13+20	27.6502	76.21	V Q
13+25	28.1799	76.92	V Q
13+30	28.7121	77.28	V Q
13+35	29.2320	75.49	V Q
13+40	29.6771	64.62	V Q
13+45	30.0727	57.45	V Q
13+50	30.4497	54.74	V Q
13+55	30.8164	53.25	V Q
14+ 0	31.1780	52.51	V Q
14+ 5	31.5428	52.95	V Q
14+10	31.9339	56.80	V Q
14+15	32.3424	59.31	V Q
14+20	32.7562	60.08	V Q
14+25	33.1669	59.64	V Q
14+30	33.5751	59.26	V Q
14+35	33.9822	59.12	V Q
14+40	34.3888	59.04	V Q
14+45	34.7954	59.03	V Q
14+50	35.2008	58.87	V Q
14+55	35.5993	57.87	V Q
15+ 0	35.9933	57.21	V Q
15+ 5	36.3844	56.78	V Q
15+10	36.7677	55.66	V Q
15+15	37.1461	54.94	V Q
15+20	37.5215	54.50	V Q
15+25	37.8890	53.37	V Q
15+30	38.2515	52.64	V Q
15+35	38.6074	51.67	V Q
15+40	38.9348	47.55	V Q

15+45	39.2436	44.84			Q		V	
15+50	39.5454	43.82			Q		V	
15+55	39.8434	43.27			Q		V	
16+ 0	40.1395	43.00			Q		V	
16+ 5	40.4169	40.28			Q		V	
16+10	40.5912	25.31		Q			V	
16+15	40.6972	15.39		Q			V	
16+20	40.7773	11.63		Q			V	
16+25	40.8433	9.59		Q			V	
16+30	40.9024	8.58		Q			V	
16+35	40.9580	8.06		Q			V	
16+40	41.0057	6.93		Q			V	
16+45	41.0481	6.15		Q			V	
16+50	41.0882	5.82		Q			V	
16+55	41.1274	5.70		Q			V	
17+ 0	41.1662	5.63		Q			V	
17+ 5	41.2072	5.95		Q			V	
17+10	41.2615	7.89		Q			V	
17+15	41.3247	9.17		Q			V	
17+20	41.3912	9.66		Q			V	
17+25	41.4597	9.94		Q			V	
17+30	41.5291	10.08		Q			V	
17+35	41.5988	10.13		Q			V	
17+40	41.6688	10.16		Q			V	
17+45	41.7390	10.19		Q			V	
17+50	41.8081	10.04		Q			V	
17+55	41.8705	9.05		Q			V	
18+ 0	41.9283	8.40		Q			V	
18+ 5	41.9845	8.16		Q			V	
18+10	42.0398	8.03		Q			V	
18+15	42.0946	7.97		Q			V	
18+20	42.1494	7.95		Q			V	
18+25	42.2041	7.94		Q			V	
18+30	42.2588	7.94		Q			V	
18+35	42.3122	7.76		Q			V	
18+40	42.3589	6.78		Q			V	
18+45	42.4011	6.12		Q			V	
18+50	42.4406	5.74		Q			V	
18+55	42.4736	4.79		Q			V	
19+ 0	42.5025	4.19		Q			V	
19+ 5	42.5308	4.11		Q			V	
19+10	42.5639	4.81		Q			V	
19+15	42.6003	5.29		Q			V	
19+20	42.6392	5.65		Q			V	
19+25	42.6857	6.75		Q			V	
19+30	42.7371	7.46		Q			V	
19+35	42.7891	7.56		Q			V	
19+40	42.8354	6.72		Q			V	
19+45	42.8777	6.14		Q			V	
19+50	42.9175	5.78		Q			V	
19+55	42.9506	4.81		Q			V	
20+ 0	42.9795	4.20		Q			V	
20+ 5	43.0079	4.12		Q			V	
20+10	43.0413	4.85		Q			V	
20+15	43.0781	5.35		Q			V	
20+20	43.1162	5.54		Q			V	
20+25	43.1552	5.65		Q			V	
20+30	43.1944	5.70		Q			V	
20+35	43.2338	5.72		Q			V	
20+40	43.2734	5.74		Q			V	
20+45	43.3130	5.75		Q			V	
20+50	43.3516	5.61		Q			V	
20+55	43.3843	4.74		Q			V	
21+ 0	43.4130	4.17		Q			V	
21+ 5	43.4412	4.10		Q			V	
21+10	43.4747	4.86		Q			V	
21+15	43.5119	5.39		Q			V	
21+20	43.5493	5.44		Q			V	
21+25	43.5814	4.66		Q			V	
21+30	43.6099	4.13		Q			V	
21+35	43.6380	4.08		Q			V	
21+40	43.6715	4.86		Q			V	
21+45	43.7087	5.41		Q			V	
21+50	43.7463	5.46		Q			V	
21+55	43.7785	4.68		Q			V	
22+ 0	43.8070	4.13		Q			V	
22+ 5	43.8351	4.08		Q			V	
22+10	43.8687	4.88		Q			V	
22+15	43.9061	5.43		Q			V	
22+20	43.9438	5.48		Q			V	
22+25	43.9761	4.69		Q			V	
22+30	44.0046	4.14		Q			V	
22+35	44.0316	3.93		Q			V	
22+40	44.0579	3.82		Q			V	
22+45	44.0839	3.76		Q			V	
22+50	44.1097	3.75		Q			V	
22+55	44.1354	3.74		Q			V	
23+ 0	44.1611	3.73		Q			V	
23+ 5	44.1867	3.72		Q			V	
23+10	44.2123	3.72		Q			V	
23+15	44.2379	3.72		Q			V	
23+20	44.2636	3.72		Q			V	
23+25	44.2892	3.72		Q			V	
23+30	44.3148	3.72		Q			V	
23+35	44.3404	3.72		Q			V	
23+40	44.3661	3.72		Q			V	
23+45	44.3917	3.72		Q			V	
23+50	44.4173	3.72		Q			V	
23+55	44.4429	3.72		Q			V	
24+ 0	44.4685	3.72		Q			V	
24+ 5	44.4922	3.44		Q			V	
24+10	44.5050	1.86		Q			V	
24+15	44.5106	0.81		Q			V	
24+20	44.5135	0.41		Q			V	
24+25	44.5148	0.20		Q			V	
24+30	44.5154	0.09		Q			V	
24+35	44.5158	0.05		Q			V	
24+40	44.5160	0.03		Q			V	
24+45	44.5160	0.01		Q			V	

AREA TRIBUTARY TO CP6

AREA 6
(3HR, 6HR, & 24HR STORMS)

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/20/24 File: MESAP61003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 6, 100-YR
2/09/24
--------------------------------------------------------------------------
Drainage Area =      44.34(Ac.)  =      0.069 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      44.34(Ac.)  =
0.069 Sq. Mi.
Length along longest watercourse =    4069.00(Ft.)
Length along longest watercourse measured to centroid =    1463.00(Ft.)
Length along longest watercourse =      0.771 Mi.
Length along longest watercourse measured to centroid =      0.277 Mi.
Difference in elevation =     182.00(Ft.)
Slope along watercourse =    236.1661 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.071 Hr.
Lag time =     4.25 Min.
25% of lag time =     1.06 Min.
40% of lag time =     1.70 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       44.34             0.94                   41.68

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       44.34             1.97                   87.35

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    14.300           70.00          0.000
    13.390           80.00          0.000
     6.360           84.00          0.000
     0.270           92.00          0.900
     0.000           94.00          0.900
     0.070           95.00          0.900
     6.330           84.00          0.200
     1.240           65.00          0.120
     2.380           77.00          0.120
 Total Area Entered =     44.34(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.323      0.117
80.0  80.0      0.244     0.000        0.244       0.302      0.074
84.0  84.0      0.198     0.000        0.198       0.143      0.028
92.0  92.0      0.104     0.900        0.020       0.006      0.000
94.0  94.0      0.078     0.900        0.015       0.000      0.000
95.0  95.0      0.065     0.900        0.012       0.002      0.000
84.0  84.0      0.198     0.200        0.163       0.143      0.023
65.0  65.0      0.416     0.120        0.371       0.028      0.010
77.0  77.0      0.279     0.120        0.249       0.054      0.013
                                                Sum (F) =   0.266
Area averaged mean soil loss (F) (In/Hr) =  0.266
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.840
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        117.552         20.579             9.196
    2   0.167        235.105         56.126            25.080
    3   0.250        352.657         15.834             7.076
    4   0.333        470.209          5.317             2.376
    5   0.417        587.762          1.315             0.588
    6   0.500        705.314          0.829             0.370
                                Sum = 100.000   Sum=     44.686
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     1.30      0.307       (  0.266)       0.258        0.049
```

2	0.17	1.30	0.307	(0.266)	0.258	0.049
3	0.25	1.10	0.260	(0.266)	0.218	0.042
4	0.33	1.50	0.355	0.266	(0.298)	0.089
5	0.42	1.50	0.355	0.266	(0.298)	0.089
6	0.50	1.80	0.425	0.266	(0.357)	0.159
7	0.58	1.50	0.355	0.266	(0.298)	0.089
8	0.67	1.80	0.425	0.266	(0.357)	0.159
9	0.75	1.80	0.425	0.266	(0.357)	0.159
10	0.83	1.50	0.355	0.266	(0.298)	0.089
11	0.92	1.60	0.378	0.266	(0.318)	0.112
12	1.00	1.80	0.425	0.266	(0.357)	0.159
13	1.08	2.20	0.520	0.266	(0.437)	0.254
14	1.17	2.20	0.520	0.266	(0.437)	0.254
15	1.25	2.20	0.520	0.266	(0.437)	0.254
16	1.33	2.00	0.473	0.266	(0.397)	0.207
17	1.42	2.60	0.615	0.266	(0.516)	0.349
18	1.50	2.70	0.638	0.266	(0.536)	0.372
19	1.58	2.40	0.567	0.266	(0.476)	0.301
20	1.67	2.70	0.638	0.266	(0.536)	0.372
21	1.75	3.30	0.780	0.266	(0.655)	0.514
22	1.83	3.10	0.733	0.266	(0.615)	0.467
23	1.92	2.90	0.685	0.266	(0.576)	0.419
24	2.00	3.00	0.709	0.266	(0.596)	0.443
25	2.08	3.10	0.733	0.266	(0.615)	0.467
26	2.17	4.20	0.993	0.266	(0.834)	0.727
27	2.25	5.00	1.182	0.266	(0.993)	0.916
28	2.33	3.50	0.827	0.266	(0.695)	0.561
29	2.42	6.80	1.607	0.266	(1.350)	1.341
30	2.50	7.30	1.725	0.266	(1.449)	1.459
31	2.58	8.20	1.938	0.266	(1.628)	1.672
32	2.67	5.90	1.394	0.266	(1.171)	1.128
33	2.75	2.00	0.473	0.266	(0.397)	0.207
34	2.83	1.80	0.425	0.266	(0.357)	0.159
35	2.92	1.80	0.425	0.266	(0.357)	0.159
36	3.00	0.60	0.142	(0.266)	0.119	0.023

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.3

Flood volume = Effective rainfall 1.19(In)
times area 44.3(Ac.)/[(In)/(Ft.)] = 4.4(Ac.Ft)
Total soil loss = 0.78(In)
Total soil loss = 2.884(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 191393.1 Cubic Feet
Total soil loss = 125625.2 Cubic Feet

Peak flow rate of this hydrograph = 66.531(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	17.5	35.0	52.5	70.0
0+ 5	0.0031	0.45	Q	|	|	|	|
0+10	0.0147	1.69	Q	|	|	|	|
0+15	0.0283	1.96	VQ	|	|	|	|
0+20	0.0443	2.32	VQ	|	|	|	|
0+25	0.0682	3.48	VQ	|	|	|	|
0+30	0.0989	4.46	V Q	|	|	|	|
0+35	0.1381	5.69	V Q	|	|	|	|
0+40	0.1732	5.09	VQ	|	|	|	|
0+45	0.2184	6.56	V Q	|	|	|	|
0+50	0.2616	6.28	VQ	|	|	|	|
0+55	0.2952	4.87	Q	|	|	|	|
1+ 0	0.3325	5.41	Q	|	|	|	|
1+ 5	0.3841	7.49	VQ	|	|	|	|
1+10	0.4545	10.22	VQ	|	|	|	|
1+15	0.5301	10.99	V Q	|	|	|	|
1+20	0.6046	10.81	VQ	|	|	|	|
1+25	0.6804	11.00	Q	|	|	|	|
1+30	0.7801	14.48	VQ	|	|	|	|
1+35	0.8855	15.31	Q	|	|	|	|
1+40	0.9865	14.66	Q	|	|	|	|
1+45	1.1061	17.37	QV	|	|	|	|
1+50	1.2500	20.89	Q	|	|	|	|
1+55	1.3905	20.41	QV	|	|	|	|
2+ 0	1.5245	19.46	Q V	|	|	|	|
2+ 5	1.6618	19.93	Q V	|	|	|	|
2+10	1.8202	23.00	Q V	|	|	|	|
2+15	2.0367	31.44	QV	|	|	|	|
2+20	2.2764	34.81	QV	|	|	|	|
2+25	2.5180	35.07	Q V	|	|	|	|
2+30	2.8887	53.83	V Q	|	|	|	|
2+35	3.3270	63.64	V Q	|	|	|	|
2+40	3.7852	66.53	V Q	|	|	|	|
2+45	4.1056	46.52	Q V	|	|	|	|
2+50	4.2432	19.97	Q V	|	|	|	|
2+55	4.3199	11.14	Q V	|	|	|	|
3+ 0	4.3689	7.11	Q V	|	|	|	|
3+ 5	4.3869	2.62	Q V	|	|	|	|
3+10	4.3918	0.71	Q V	|	|	|	|
3+15	4.3932	0.21	Q V	|	|	|	|
3+20	4.3937	0.07	Q V	|	|	|	|
3+25	4.3938	0.01	Q V	|	|	|	|

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/20/24 File: MESAP61006100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 6, 100-YR
2/09/24
--------------------------------------------------------------------------
Drainage Area =      44.34(Ac.)  =      0.069 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      44.34(Ac.)  =
0.069 Sq. Mi.
Length along longest watercourse =    4069.00(Ft.)
Length along longest watercourse measured to centroid =    1463.00(Ft.)
Length along longest watercourse =      0.771 Mi.
Length along longest watercourse measured to centroid =      0.277 Mi.
Difference in elevation =     182.00(Ft.)
Slope along watercourse =    236.1661 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.071 Hr.
Lag time =     4.25 Min.
25% of lag time =     1.06 Min.
40% of lag time =     1.70 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       44.34              1.35                   59.86

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       44.34              2.78                  123.27

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    14.300           70.00          0.000
    13.390           80.00          0.000
     6.360           84.00          0.000
     0.270           92.00          0.900
     0.000           94.00          0.900
     0.070           95.00          0.900
     6.330           84.00          0.200
     1.240           65.00          0.120
     2.380           77.00          0.120
 Total Area Entered =     44.34(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.323      0.117
80.0  80.0      0.244     0.000        0.244       0.302      0.074
84.0  84.0      0.198     0.000        0.198       0.143      0.028
92.0  92.0      0.104     0.900        0.020       0.006      0.000
94.0  94.0      0.078     0.900        0.015       0.000      0.000
95.0  95.0      0.065     0.900        0.012       0.002      0.000
84.0  84.0      0.198     0.200        0.163       0.143      0.023
65.0  65.0      0.416     0.120        0.371       0.028      0.010
77.0  77.0      0.279     0.120        0.249       0.054      0.013
                                                 Sum (F) =   0.266
Area averaged mean soil loss (F) (In/Hr) =  0.266
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.840
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        117.552         20.579             9.196
    2   0.167        235.105         56.126            25.080
    3   0.250        352.657         15.834             7.076
    4   0.333        470.209          5.317             2.376
    5   0.417        587.762          1.315             0.588
    6   0.500        705.314          0.829             0.370
                                Sum = 100.000   Sum=     44.686
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
    1   0.08     0.50      0.167       (  0.266)       0.140        0.027
```

2	0.17	0.60	0.200	(0.266)	0.168	0.032
3	0.25	0.60	0.200	(0.266)	0.168	0.032
4	0.33	0.60	0.200	(0.266)	0.168	0.032
5	0.42	0.60	0.200	(0.266)	0.168	0.032
6	0.50	0.70	0.233	(0.266)	0.196	0.037
7	0.58	0.70	0.233	(0.266)	0.196	0.037
8	0.67	0.70	0.233	(0.266)	0.196	0.037
9	0.75	0.70	0.233	(0.266)	0.196	0.037
10	0.83	0.70	0.233	(0.266)	0.196	0.037
11	0.92	0.70	0.233	(0.266)	0.196	0.037
12	1.00	0.80	0.267	(0.266)	0.224	0.043
13	1.08	0.80	0.267	(0.266)	0.224	0.043
14	1.17	0.80	0.267	(0.266)	0.224	0.043
15	1.25	0.80	0.267	(0.266)	0.224	0.043
16	1.33	0.80	0.267	(0.266)	0.224	0.043
17	1.42	0.80	0.267	(0.266)	0.224	0.043
18	1.50	0.80	0.267	(0.266)	0.224	0.043
19	1.58	0.80	0.267	(0.266)	0.224	0.043
20	1.67	0.80	0.267	(0.266)	0.224	0.043
21	1.75	0.80	0.267	(0.266)	0.224	0.043
22	1.83	0.80	0.267	(0.266)	0.224	0.043
23	1.92	0.80	0.267	(0.266)	0.224	0.043
24	2.00	0.90	0.300	(0.266)	0.252	0.048
25	2.08	0.80	0.267	(0.266)	0.224	0.043
26	2.17	0.90	0.300	(0.266)	0.252	0.048
27	2.25	0.90	0.300	(0.266)	0.252	0.048
28	2.33	0.90	0.300	(0.266)	0.252	0.048
29	2.42	0.90	0.300	(0.266)	0.252	0.048
30	2.50	0.90	0.300	(0.266)	0.252	0.048
31	2.58	0.90	0.300	(0.266)	0.252	0.048
32	2.67	0.90	0.300	(0.266)	0.252	0.048
33	2.75	1.00	0.334	0.266	(0.280)	0.068
34	2.83	1.00	0.334	0.266	(0.280)	0.068
35	2.92	1.00	0.334	0.266	(0.280)	0.068
36	3.00	1.00	0.334	0.266	(0.280)	0.068
37	3.08	1.00	0.334	0.266	(0.280)	0.068
38	3.17	1.10	0.367	0.266	(0.308)	0.101
39	3.25	1.10	0.367	0.266	(0.308)	0.101
40	3.33	1.10	0.367	0.266	(0.308)	0.101
41	3.42	1.20	0.400	0.266	(0.336)	0.134
42	3.50	1.30	0.434	0.266	(0.364)	0.168
43	3.58	1.40	0.467	0.266	(0.392)	0.201
44	3.67	1.40	0.467	0.266	(0.392)	0.201
45	3.75	1.50	0.500	0.266	(0.420)	0.234
46	3.83	1.50	0.500	0.266	(0.420)	0.234
47	3.92	1.60	0.534	0.266	(0.448)	0.268
48	4.00	1.60	0.534	0.266	(0.448)	0.268
49	4.08	1.70	0.567	0.266	(0.476)	0.301
50	4.17	1.80	0.600	0.266	(0.504)	0.334
51	4.25	1.90	0.634	0.266	(0.532)	0.368
52	4.33	2.00	0.667	0.266	(0.560)	0.401
53	4.42	2.10	0.700	0.266	(0.588)	0.434
54	4.50	2.10	0.700	0.266	(0.588)	0.434
55	4.58	2.20	0.734	0.266	(0.616)	0.468
56	4.67	2.30	0.767	0.266	(0.644)	0.501
57	4.75	2.40	0.801	0.266	(0.672)	0.535
58	4.83	2.40	0.801	0.266	(0.672)	0.535
59	4.92	2.50	0.834	0.266	(0.700)	0.568
60	5.00	2.60	0.867	0.266	(0.728)	0.601
61	5.08	3.10	1.034	0.266	(0.869)	0.768
62	5.17	3.60	1.201	0.266	(1.009)	0.935
63	5.25	3.90	1.301	0.266	(1.093)	1.035
64	5.33	4.20	1.401	0.266	(1.177)	1.135
65	5.42	4.70	1.568	0.266	(1.317)	1.302
66	5.50	5.60	1.868	0.266	(1.569)	1.602
67	5.58	1.90	0.634	0.266	(0.532)	0.368
68	5.67	0.90	0.300	(0.266)	0.252	0.048
69	5.75	0.60	0.200	(0.266)	0.168	0.032
70	5.83	0.50	0.167	(0.266)	0.140	0.027
71	5.92	0.30	0.100	(0.266)	0.084	0.016
72	6.00	0.20	0.067	(0.266)	0.056	0.011

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.4

Flood volume = Effective rainfall 1.37(In)
times area 44.3(Ac.)/[(In)/(Ft.)] = 5.1(Ac.Ft)
Total soil loss = 1.41(In)
Total soil loss = 5.213(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 220287.7 Cubic Feet
Total soil loss = 227096.7 Cubic Feet

Peak flow rate of this hydrograph = 58.730(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	15.0	30.0	45.0	60.0
0+ 5	0.0017	0.25	Q				
0+10	0.0083	0.96	Q				
0+15	0.0172	1.29	Q				
0+20	0.0268	1.39	Q				
0+25	0.0365	1.42	Q				
0+30	0.0467	1.48	Q				
0+35	0.0578	1.61	VQ				
0+40	0.0692	1.65	VQ				
0+45	0.0807	1.67	VQ				
0+50	0.0922	1.67	VQ				
0+55	0.1037	1.67	VQ				
1+ 0	0.1155	1.72	VQ				
1+ 5	0.1283	1.85	|Q				
1+10	0.1413	1.89	|Q				
1+15	0.1544	1.90	|Q				
1+20	0.1675	1.91	|Q				
1+25	0.1807	1.91	|Q				
1+30	0.1938	1.91	|Q				
1+35	0.2070	1.91	|Q				
1+40	0.2201	1.91	|Q				
1+45	0.2333	1.91	|Q				
1+50	0.2464	1.91	|Q				
1+55	0.2596	1.91	|QV				
2+ 0	0.2730	1.96	|QV				
2+ 5	0.2871	2.04	|QV				
2+10	0.3009	2.00	|QV				
2+15	0.3153	2.10	|QV				
2+20	0.3300	2.13	|QV				
2+25	0.3448	2.14	|QV				
2+30	0.3596	2.15	|QV				
2+35	0.3744	2.15	|QV				
2+40	0.3892	2.15	|Q V				

```
   2+45       0.4052      2.33  |Q V      |         |         |         |
   2+50       0.4246      2.82  |Q V      |         |         |         |
   2+55       0.4449      2.95  |Q V      |         |         |         |
   3+ 0       0.4656      3.00  | QV      |         |         |         |
   3+ 5       0.4863      3.01  | QV      |         |         |         |
   3+10       0.5093      3.33  | Q V     |         |         |         |
   3+15       0.5379      4.16  | Q V     |         |         |         |
   3+20       0.5682      4.40  | Q V     |         |         |         |
   3+25       0.6012      4.79  |  QV     |         |         |         |
   3+30       0.6422      5.95  |  Q V    |         |         |         |
   3+35       0.6927      7.34  |   QV    |         |         |         |
   3+40       0.7512      8.49  |    Q    |         |         |         |
   3+45       0.8141      9.14  |     Q   |         |         |         |
   3+50       0.8836     10.08  |     Q   |         |         |         |
   3+55       0.9570     10.66  |      Q  |         |         |         |
   4+ 0       1.0368     11.59  |      QV |         |         |         |
   4+ 5       1.1205     12.15  |       Q |         |         |         |
   4+10       1.2127     13.39  |       QV|         |         |         |
   4+15       1.3145     14.79  |        QV         |         |         |
   4+20       1.4265     16.26  |         QV        |         |         |
   4+25       1.5486     17.74  |          |QV       |         |         |
   4+30       1.6789     18.92  |          | QV     |         |         |
   4+35       1.8138     19.58  |          |  QV    |         |         |
   4+40       1.9572     20.83  |          |  Q V   |         |         |
   4+45       2.1104     22.24  |          |   Q V  |         |         |
   4+50       2.2716     23.41  |          |    Q V |         |         |
   4+55       2.4372     24.05  |          |     Q  V|        |         |
   5+ 0       2.6115     25.30  |          |     Q   V        |         |
   5+ 5       2.8039     27.94  |          |       Q | V      |         |
   5+10       3.0380     33.99  |          |         | Q V    |         |
   5+15       3.3161     40.38  |          |         |    Q   |         |
   5+20       3.6289     45.42  |          |         |      V Q         |
   5+25       3.9779     50.68  |          |         |        |V Q      |
   5+30       4.3824     58.73  |          |         |        |  V    Q|
   5+35       4.7712     56.45  |          |         |        |     Q  |
   5+40       4.9444     25.16  |          |     Q   |        |       V|
   5+45       5.0071      9.10  |     Q    |         |        |       V|
   5+50       5.0325      3.69  | Q        |         |        |       V|
   5+55       5.0460      1.97  |Q         |         |        |       V|
   6+ 0       5.0524      0.93  Q          |         |        |       V|
   6+ 5       5.0557      0.48  Q          |         |        |       V|
   6+10       5.0567      0.14  Q          |         |        |       V|
   6+15       5.0570      0.04  Q          |         |        |       V|
   6+20       5.0571      0.01  Q          |         |        |       V|
   6+25       5.0571      0.00  Q          |         |        |        V
-------------------------------------------------------------------------
```

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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  02/20/24 File: MESAP610024100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 6, 100-YR
2/09/24
--------------------------------------------------------------------------
Drainage Area =      44.34(Ac.)  =      0.069 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      44.34(Ac.)  =
0.069 Sq. Mi.
Length along longest watercourse =    4069.00(Ft.)
Length along longest watercourse measured to centroid =    1463.00(Ft.)
Length along longest watercourse =      0.771 Mi.
Length along longest watercourse measured to centroid =      0.277 Mi.
Difference in elevation =     182.00(Ft.)
Slope along watercourse =    236.1661 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.071 Hr.
Lag time =     4.25 Min.
25% of lag time =     1.06 Min.
40% of lag time =     1.70 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       44.34              2.45                  108.63

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       44.34              6.08                  269.59

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    14.300           70.00          0.000
    13.390           80.00          0.000
     6.360           84.00          0.000
     0.270           92.00          0.900
     0.000           94.00          0.900
     0.070           95.00          0.900
     6.330           84.00          0.200
     1.240           65.00          0.120
     2.380           77.00          0.120
 Total Area Entered =     44.34(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.323      0.117
80.0  80.0      0.244     0.000        0.244       0.302      0.074
84.0  84.0      0.198     0.000        0.198       0.143      0.028
92.0  92.0      0.104     0.900        0.020       0.006      0.000
94.0  94.0      0.078     0.900        0.015       0.000      0.000
95.0  95.0      0.065     0.900        0.012       0.002      0.000
84.0  84.0      0.198     0.200        0.163       0.143      0.023
65.0  65.0      0.416     0.120        0.371       0.028      0.010
77.0  77.0      0.279     0.120        0.249       0.054      0.013
                                                 Sum (F) =   0.266
Area averaged mean soil loss (F) (In/Hr) =  0.266
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.840
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        117.552         20.579             9.196
    2   0.167        235.105         56.126            25.080
    3   0.250        352.657         15.834             7.076
    4   0.333        470.209          5.317             2.376
    5   0.417        587.762          1.315             0.588
    6   0.500        705.314          0.829             0.370
                                Sum = 100.000   Sum=     44.686
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
    1   0.08     0.07      0.049       (  0.472)       0.041        0.008
```

2	0.17	0.07	0.049	(0.470)	0.041	0.008
3	0.25	0.07	0.049	(0.468)	0.041	0.008
4	0.33	0.10	0.073	(0.466)	0.061	0.012
5	0.42	0.10	0.073	(0.464)	0.061	0.012
6	0.50	0.10	0.073	(0.462)	0.061	0.012
7	0.58	0.10	0.073	(0.461)	0.061	0.012
8	0.67	0.10	0.073	(0.459)	0.061	0.012
9	0.75	0.10	0.073	(0.457)	0.061	0.012
10	0.83	0.13	0.097	(0.455)	0.082	0.016
11	0.92	0.13	0.097	(0.453)	0.082	0.016
12	1.00	0.13	0.097	(0.452)	0.082	0.016
13	1.08	0.10	0.073	(0.450)	0.061	0.012
14	1.17	0.10	0.073	(0.448)	0.061	0.012
15	1.25	0.10	0.073	(0.446)	0.061	0.012
16	1.33	0.10	0.073	(0.445)	0.061	0.012
17	1.42	0.10	0.073	(0.443)	0.061	0.012
18	1.50	0.10	0.073	(0.441)	0.061	0.012
19	1.58	0.10	0.073	(0.439)	0.061	0.012
20	1.67	0.10	0.073	(0.438)	0.061	0.012
21	1.75	0.10	0.073	(0.436)	0.061	0.012
22	1.83	0.13	0.097	(0.434)	0.082	0.016
23	1.92	0.13	0.097	(0.432)	0.082	0.016
24	2.00	0.13	0.097	(0.431)	0.082	0.016
25	2.08	0.13	0.097	(0.429)	0.082	0.016
26	2.17	0.13	0.097	(0.427)	0.082	0.016
27	2.25	0.13	0.097	(0.425)	0.082	0.016
28	2.33	0.13	0.097	(0.424)	0.082	0.016
29	2.42	0.13	0.097	(0.422)	0.082	0.016
30	2.50	0.13	0.097	(0.420)	0.082	0.016
31	2.58	0.17	0.122	(0.418)	0.102	0.019
32	2.67	0.17	0.122	(0.417)	0.102	0.019
33	2.75	0.17	0.122	(0.415)	0.102	0.019
34	2.83	0.17	0.122	(0.413)	0.102	0.019
35	2.92	0.17	0.122	(0.412)	0.102	0.019
36	3.00	0.17	0.122	(0.410)	0.102	0.019
37	3.08	0.17	0.122	(0.408)	0.102	0.019
38	3.17	0.17	0.122	(0.406)	0.102	0.019
39	3.25	0.17	0.122	(0.405)	0.102	0.019
40	3.33	0.17	0.122	(0.403)	0.102	0.019
41	3.42	0.17	0.122	(0.401)	0.102	0.019
42	3.50	0.17	0.122	(0.400)	0.102	0.019
43	3.58	0.17	0.122	(0.398)	0.102	0.019
44	3.67	0.17	0.122	(0.396)	0.102	0.019
45	3.75	0.17	0.122	(0.395)	0.102	0.019
46	3.83	0.20	0.146	(0.393)	0.123	0.023
47	3.92	0.20	0.146	(0.391)	0.123	0.023
48	4.00	0.20	0.146	(0.390)	0.123	0.023
49	4.08	0.20	0.146	(0.388)	0.123	0.023
50	4.17	0.20	0.146	(0.386)	0.123	0.023
51	4.25	0.20	0.146	(0.385)	0.123	0.023
52	4.33	0.23	0.170	(0.383)	0.143	0.027
53	4.42	0.23	0.170	(0.382)	0.143	0.027
54	4.50	0.23	0.170	(0.380)	0.143	0.027
55	4.58	0.23	0.170	(0.378)	0.143	0.027
56	4.67	0.23	0.170	(0.377)	0.143	0.027
57	4.75	0.23	0.170	(0.375)	0.143	0.027
58	4.83	0.27	0.195	(0.373)	0.163	0.031
59	4.92	0.27	0.195	(0.372)	0.163	0.031
60	5.00	0.27	0.195	(0.370)	0.163	0.031
61	5.08	0.20	0.146	(0.369)	0.123	0.023
62	5.17	0.20	0.146	(0.367)	0.123	0.023
63	5.25	0.20	0.146	(0.365)	0.123	0.023
64	5.33	0.23	0.170	(0.364)	0.143	0.027
65	5.42	0.23	0.170	(0.362)	0.143	0.027
66	5.50	0.23	0.170	(0.361)	0.143	0.027
67	5.58	0.27	0.195	(0.359)	0.163	0.031
68	5.67	0.27	0.195	(0.357)	0.163	0.031
69	5.75	0.27	0.195	(0.356)	0.163	0.031
70	5.83	0.27	0.195	(0.354)	0.163	0.031
71	5.92	0.27	0.195	(0.353)	0.163	0.031
72	6.00	0.27	0.195	(0.351)	0.163	0.031
73	6.08	0.30	0.219	(0.350)	0.184	0.035
74	6.17	0.30	0.219	(0.348)	0.184	0.035
75	6.25	0.30	0.219	(0.346)	0.184	0.035
76	6.33	0.30	0.219	(0.345)	0.184	0.035
77	6.42	0.30	0.219	(0.343)	0.184	0.035
78	6.50	0.30	0.219	(0.342)	0.184	0.035
79	6.58	0.33	0.243	(0.340)	0.204	0.039
80	6.67	0.33	0.243	(0.339)	0.204	0.039
81	6.75	0.33	0.243	(0.337)	0.204	0.039
82	6.83	0.33	0.243	(0.336)	0.204	0.039
83	6.92	0.33	0.243	(0.334)	0.204	0.039
84	7.00	0.33	0.243	(0.333)	0.204	0.039
85	7.08	0.33	0.243	(0.331)	0.204	0.039
86	7.17	0.33	0.243	(0.330)	0.204	0.039
87	7.25	0.33	0.243	(0.328)	0.204	0.039
88	7.33	0.37	0.267	(0.327)	0.225	0.043
89	7.42	0.37	0.267	(0.325)	0.225	0.043
90	7.50	0.37	0.267	(0.324)	0.225	0.043
91	7.58	0.40	0.292	(0.322)	0.245	0.047
92	7.67	0.40	0.292	(0.321)	0.245	0.047
93	7.75	0.40	0.292	(0.319)	0.245	0.047
94	7.83	0.43	0.316	(0.318)	0.266	0.051
95	7.92	0.43	0.316	(0.316)	0.266	0.051
96	8.00	0.43	0.316	(0.315)	0.266	0.051
97	8.08	0.50	0.365	(0.313)	0.306	0.058
98	8.17	0.50	0.365	(0.312)	0.306	0.058
99	8.25	0.50	0.365	(0.310)	0.306	0.058
100	8.33	0.50	0.365	(0.309)	0.306	0.058
101	8.42	0.50	0.365	(0.308)	0.306	0.058
102	8.50	0.50	0.365	0.306	(0.306)	0.059
103	8.58	0.53	0.389	0.305	(0.327)	0.084
104	8.67	0.53	0.389	0.303	(0.327)	0.086
105	8.75	0.53	0.389	0.302	(0.327)	0.087
106	8.83	0.57	0.413	0.300	(0.347)	0.113
107	8.92	0.57	0.413	0.299	(0.347)	0.114
108	9.00	0.57	0.413	0.298	(0.347)	0.116
109	9.08	0.63	0.462	0.296	(0.388)	0.166
110	9.17	0.63	0.462	0.295	(0.388)	0.167
111	9.25	0.63	0.462	0.293	(0.388)	0.169
112	9.33	0.67	0.486	0.292	(0.409)	0.194
113	9.42	0.67	0.486	0.291	(0.409)	0.196
114	9.50	0.67	0.486	0.289	(0.409)	0.197
115	9.58	0.70	0.511	0.288	(0.429)	0.223
116	9.67	0.70	0.511	0.286	(0.429)	0.224
117	9.75	0.70	0.511	0.285	(0.429)	0.226
118	9.83	0.73	0.535	0.284	(0.449)	0.251
119	9.92	0.73	0.535	0.282	(0.449)	0.253
120	10.00	0.73	0.535	0.281	(0.449)	0.254
121	10.08	0.50	0.365	0.280	(0.306)	0.085
122	10.17	0.50	0.365	0.278	(0.306)	0.087
123	10.25	0.50	0.365	0.277	(0.306)	0.088
124	10.33	0.50	0.365	0.276	(0.306)	0.089
125	10.42	0.50	0.365	0.274	(0.306)	0.091

126	10.50	0.50	0.365	0.273	(0.306)	0.092
127	10.58	0.67	0.486	0.271	(0.409)	0.215
128	10.67	0.67	0.486	0.270	(0.409)	0.216
129	10.75	0.67	0.486	0.269	(0.409)	0.218
130	10.83	0.67	0.486	0.268	(0.409)	0.219
131	10.92	0.67	0.486	0.266	(0.409)	0.220
132	11.00	0.67	0.486	0.265	(0.409)	0.221
133	11.08	0.63	0.462	0.264	(0.388)	0.198
134	11.17	0.63	0.462	0.262	(0.388)	0.200
135	11.25	0.63	0.462	0.261	(0.388)	0.201
136	11.33	0.63	0.462	0.260	(0.388)	0.202
137	11.42	0.63	0.462	0.258	(0.388)	0.204
138	11.50	0.63	0.462	0.257	(0.388)	0.205
139	11.58	0.57	0.413	0.256	(0.347)	0.158
140	11.67	0.57	0.413	0.255	(0.347)	0.159
141	11.75	0.57	0.413	0.253	(0.347)	0.160
142	11.83	0.60	0.438	0.252	(0.368)	0.186
143	11.92	0.60	0.438	0.251	(0.368)	0.187
144	12.00	0.60	0.438	0.250	(0.368)	0.188
145	12.08	0.83	0.608	0.248	(0.511)	0.360
146	12.17	0.83	0.608	0.247	(0.511)	0.361
147	12.25	0.83	0.608	0.246	(0.511)	0.362
148	12.33	0.87	0.632	0.245	(0.531)	0.388
149	12.42	0.87	0.632	0.243	(0.531)	0.389
150	12.50	0.87	0.632	0.242	(0.531)	0.390
151	12.58	0.93	0.681	0.241	(0.572)	0.440
152	12.67	0.93	0.681	0.240	(0.572)	0.441
153	12.75	0.93	0.681	0.239	(0.572)	0.442
154	12.83	0.97	0.705	0.237	(0.592)	0.468
155	12.92	0.97	0.705	0.236	(0.592)	0.469
156	13.00	0.97	0.705	0.235	(0.592)	0.470
157	13.08	1.13	0.827	0.234	(0.695)	0.593
158	13.17	1.13	0.827	0.233	(0.695)	0.594
159	13.25	1.13	0.827	0.231	(0.695)	0.595
160	13.33	1.13	0.827	0.230	(0.695)	0.597
161	13.42	1.13	0.827	0.229	(0.695)	0.598
162	13.50	1.13	0.827	0.228	(0.695)	0.599
163	13.58	0.77	0.559	0.227	(0.470)	0.333
164	13.67	0.77	0.559	0.226	(0.470)	0.334
165	13.75	0.77	0.559	0.224	(0.470)	0.335
166	13.83	0.77	0.559	0.223	(0.470)	0.336
167	13.92	0.77	0.559	0.222	(0.470)	0.337
168	14.00	0.77	0.559	0.221	(0.470)	0.338
169	14.08	0.90	0.657	0.220	(0.552)	0.437
170	14.17	0.90	0.657	0.219	(0.552)	0.438
171	14.25	0.90	0.657	0.218	(0.552)	0.439
172	14.33	0.87	0.632	0.216	(0.531)	0.416
173	14.42	0.87	0.632	0.215	(0.531)	0.417
174	14.50	0.87	0.632	0.214	(0.531)	0.418
175	14.58	0.87	0.632	0.213	(0.531)	0.419
176	14.67	0.87	0.632	0.212	(0.531)	0.420
177	14.75	0.87	0.632	0.211	(0.531)	0.421
178	14.83	0.83	0.608	0.210	(0.511)	0.398
179	14.92	0.83	0.608	0.209	(0.511)	0.399
180	15.00	0.83	0.608	0.208	(0.511)	0.400
181	15.08	0.80	0.584	0.207	(0.490)	0.377
182	15.17	0.80	0.584	0.206	(0.490)	0.378
183	15.25	0.80	0.584	0.205	(0.490)	0.379
184	15.33	0.77	0.559	0.204	(0.470)	0.356
185	15.42	0.77	0.559	0.202	(0.470)	0.357
186	15.50	0.77	0.559	0.201	(0.470)	0.358
187	15.58	0.63	0.462	0.200	(0.388)	0.262
188	15.67	0.63	0.462	0.199	(0.388)	0.263
189	15.75	0.63	0.462	0.198	(0.388)	0.264
190	15.83	0.63	0.462	0.197	(0.388)	0.265
191	15.92	0.63	0.462	0.196	(0.388)	0.266
192	16.00	0.63	0.462	0.195	(0.388)	0.267
193	16.08	0.13	0.097	(0.194)	0.082	0.016
194	16.17	0.13	0.097	(0.193)	0.082	0.016
195	16.25	0.13	0.097	(0.192)	0.082	0.016
196	16.33	0.13	0.097	(0.191)	0.082	0.016
197	16.42	0.13	0.097	(0.190)	0.082	0.016
198	16.50	0.13	0.097	(0.189)	0.082	0.016
199	16.58	0.10	0.073	(0.188)	0.061	0.012
200	16.67	0.10	0.073	(0.188)	0.061	0.012
201	16.75	0.10	0.073	(0.187)	0.061	0.012
202	16.83	0.10	0.073	(0.186)	0.061	0.012
203	16.92	0.10	0.073	(0.185)	0.061	0.012
204	17.00	0.10	0.073	(0.184)	0.061	0.012
205	17.08	0.17	0.122	(0.183)	0.102	0.019
206	17.17	0.17	0.122	(0.182)	0.102	0.019
207	17.25	0.17	0.122	(0.181)	0.102	0.019
208	17.33	0.17	0.122	(0.180)	0.102	0.019
209	17.42	0.17	0.122	(0.179)	0.102	0.019
210	17.50	0.17	0.122	(0.178)	0.102	0.019
211	17.58	0.17	0.122	(0.177)	0.102	0.019
212	17.67	0.17	0.122	(0.176)	0.102	0.019
213	17.75	0.17	0.122	(0.176)	0.102	0.019
214	17.83	0.13	0.097	(0.175)	0.082	0.016
215	17.92	0.13	0.097	(0.174)	0.082	0.016
216	18.00	0.13	0.097	(0.173)	0.082	0.016
217	18.08	0.13	0.097	(0.172)	0.082	0.016
218	18.17	0.13	0.097	(0.171)	0.082	0.016
219	18.25	0.13	0.097	(0.170)	0.082	0.016
220	18.33	0.13	0.097	(0.170)	0.082	0.016
221	18.42	0.13	0.097	(0.169)	0.082	0.016
222	18.50	0.13	0.097	(0.168)	0.082	0.016
223	18.58	0.10	0.073	(0.167)	0.061	0.012
224	18.67	0.10	0.073	(0.166)	0.061	0.012
225	18.75	0.10	0.073	(0.166)	0.061	0.012
226	18.83	0.07	0.049	(0.165)	0.041	0.008
227	18.92	0.07	0.049	(0.164)	0.041	0.008
228	19.00	0.07	0.049	(0.163)	0.041	0.008
229	19.08	0.10	0.073	(0.162)	0.061	0.012
230	19.17	0.10	0.073	(0.162)	0.061	0.012
231	19.25	0.10	0.073	(0.161)	0.061	0.012
232	19.33	0.13	0.097	(0.160)	0.082	0.016
233	19.42	0.13	0.097	(0.159)	0.082	0.016
234	19.50	0.13	0.097	(0.159)	0.082	0.016
235	19.58	0.10	0.073	(0.158)	0.061	0.012
236	19.67	0.10	0.073	(0.157)	0.061	0.012
237	19.75	0.10	0.073	(0.157)	0.061	0.012
238	19.83	0.07	0.049	(0.156)	0.041	0.008
239	19.92	0.07	0.049	(0.155)	0.041	0.008
240	20.00	0.07	0.049	(0.154)	0.041	0.008
241	20.08	0.10	0.073	(0.154)	0.061	0.012
242	20.17	0.10	0.073	(0.153)	0.061	0.012
243	20.25	0.10	0.073	(0.152)	0.061	0.012
244	20.33	0.10	0.073	(0.152)	0.061	0.012
245	20.42	0.10	0.073	(0.151)	0.061	0.012
246	20.50	0.10	0.073	(0.150)	0.061	0.012
247	20.58	0.10	0.073	(0.150)	0.061	0.012
248	20.67	0.10	0.073	(0.149)	0.061	0.012
249	20.75	0.10	0.073	(0.149)	0.061	0.012

250	20.83	0.07	0.049	(0.148)	0.041	0.008
251	20.92	0.07	0.049	(0.147)	0.041	0.008
252	21.00	0.07	0.049	(0.147)	0.041	0.008
253	21.08	0.10	0.073	(0.146)	0.061	0.012
254	21.17	0.10	0.073	(0.146)	0.061	0.012
255	21.25	0.10	0.073	(0.145)	0.061	0.012
256	21.33	0.07	0.049	(0.145)	0.041	0.008
257	21.42	0.07	0.049	(0.144)	0.041	0.008
258	21.50	0.07	0.049	(0.143)	0.041	0.008
259	21.58	0.10	0.073	(0.143)	0.061	0.012
260	21.67	0.10	0.073	(0.142)	0.061	0.012
261	21.75	0.10	0.073	(0.142)	0.061	0.012
262	21.83	0.07	0.049	(0.141)	0.041	0.008
263	21.92	0.07	0.049	(0.141)	0.041	0.008
264	22.00	0.07	0.049	(0.140)	0.041	0.008
265	22.08	0.10	0.073	(0.140)	0.061	0.012
266	22.17	0.10	0.073	(0.140)	0.061	0.012
267	22.25	0.10	0.073	(0.139)	0.061	0.012
268	22.33	0.07	0.049	(0.139)	0.041	0.008
269	22.42	0.07	0.049	(0.138)	0.041	0.008
270	22.50	0.07	0.049	(0.138)	0.041	0.008
271	22.58	0.07	0.049	(0.137)	0.041	0.008
272	22.67	0.07	0.049	(0.137)	0.041	0.008
273	22.75	0.07	0.049	(0.137)	0.041	0.008
274	22.83	0.07	0.049	(0.136)	0.041	0.008
275	22.92	0.07	0.049	(0.136)	0.041	0.008
276	23.00	0.07	0.049	(0.136)	0.041	0.008
277	23.08	0.07	0.049	(0.135)	0.041	0.008
278	23.17	0.07	0.049	(0.135)	0.041	0.008
279	23.25	0.07	0.049	(0.135)	0.041	0.008
280	23.33	0.07	0.049	(0.134)	0.041	0.008
281	23.42	0.07	0.049	(0.134)	0.041	0.008
282	23.50	0.07	0.049	(0.134)	0.041	0.008
283	23.58	0.07	0.049	(0.134)	0.041	0.008
284	23.67	0.07	0.049	(0.134)	0.041	0.008
285	23.75	0.07	0.049	(0.133)	0.041	0.008
286	23.83	0.07	0.049	(0.133)	0.041	0.008
287	23.92	0.07	0.049	(0.133)	0.041	0.008
288	24.00	0.07	0.049	(0.133)	0.041	0.008

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.5

Flood volume = Effective rainfall 2.54(In)
times area 44.3(Ac.)/[(In)/(Ft.)] = 9.4(Ac.Ft)
Total soil loss = 3.54(In)
Total soil loss = 13.086(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 408474.0 Cubic Feet
Total soil loss = 570042.8 Cubic Feet

Peak flow rate of this hydrograph = 26.720(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0005	0.07	Q	|	|	|	|
0+10	0.0023	0.27	Q	|	|	|	|
0+15	0.0045	0.32	Q	|	|	|	|
0+20	0.0071	0.38	Q	|	|	|	|
0+25	0.0104	0.48	Q	|	|	|	|
0+30	0.0139	0.51	Q	|	|	|	|
0+35	0.0175	0.52	Q	|	|	|	|
0+40	0.0211	0.52	Q	|	|	|	|
0+45	0.0247	0.52	Q	|	|	|	|
0+50	0.0285	0.56	Q	|	|	|	|
0+55	0.0330	0.66	Q	|	|	|	|
1+ 0	0.0377	0.68	Q	|	|	|	|
1+ 5	0.0423	0.66	Q	|	|	|	|
1+10	0.0461	0.56	Q	|	|	|	|
1+15	0.0498	0.53	Q	|	|	|	|
1+20	0.0534	0.53	Q	|	|	|	|
1+25	0.0570	0.52	Q	|	|	|	|
1+30	0.0606	0.52	Q	|	|	|	|
1+35	0.0642	0.52	Q	|	|	|	|
1+40	0.0678	0.52	Q	|	|	|	|
1+45	0.0714	0.52	Q	|	|	|	|
1+50	0.0753	0.56	Q	|	|	|	|
1+55	0.0798	0.66	Q	|	|	|	|
2+ 0	0.0845	0.68	Q	|	|	|	|
2+ 5	0.0892	0.69	Q	|	|	|	|
2+10	0.0940	0.69	Q	|	|	|	|
2+15	0.0988	0.70	Q	|	|	|	|
2+20	0.1036	0.70	Q	|	|	|	|
2+25	0.1084	0.70	Q	|	|	|	|
2+30	0.1132	0.70	Q	|	|	|	|
2+35	0.1182	0.73	Q	|	|	|	|
2+40	0.1239	0.83	VQ	|	|	|	|
2+45	0.1298	0.86	VQ	|	|	|	|
2+50	0.1358	0.87	VQ	|	|	|	|
2+55	0.1418	0.87	VQ	|	|	|	|
3+ 0	0.1478	0.87	VQ	|	|	|	|
3+ 5	0.1538	0.87	VQ	|	|	|	|
3+10	0.1598	0.87	VQ	|	|	|	|
3+15	0.1657	0.87	VQ	|	|	|	|
3+20	0.1717	0.87	VQ	|	|	|	|
3+25	0.1777	0.87	VQ	|	|	|	|
3+30	0.1837	0.87	VQ	|	|	|	|
3+35	0.1897	0.87	VQ	|	|	|	|
3+40	0.1957	0.87	VQ	|	|	|	|
3+45	0.2017	0.87	VQ	|	|	|	|
3+50	0.2079	0.91	VQ	|	|	|	|
3+55	0.2148	1.00	VQ	|	|	|	|
4+ 0	0.2219	1.03	VQ	|	|	|	|
4+ 5	0.2291	1.04	VQ	|	|	|	|
4+10	0.2363	1.04	|Q	|	|	|	|
4+15	0.2435	1.04	|Q	|	|	|	|
4+20	0.2509	1.08	|Q	|	|	|	|
4+25	0.2590	1.18	|Q	|	|	|	|
4+30	0.2673	1.20	|Q	|	|	|	|
4+35	0.2757	1.21	|Q	|	|	|	|
4+40	0.2840	1.22	|Q	|	|	|	|
4+45	0.2924	1.22	|Q	|	|	|	|
4+50	0.3011	1.25	|Q	|	|	|	|
4+55	0.3104	1.35	|Q	|	|	|	|
5+ 0	0.3199	1.38	|Q	|	|	|	|
5+ 5	0.3289	1.32	|Q	|	|	|	|
5+10	0.3367	1.12	|Q	|	|	|	|
5+15	0.3440	1.07	|Q	|	|	|	|
5+20	0.3515	1.09	|Q	|	|	|	|

5+25	0.3596	1.18	Q				
5+30	0.3679	1.20	Q				
5+35	0.3765	1.25	Q				
5+40	0.3858	1.35	Q				
5+45	0.3953	1.38	Q				
5+50	0.4049	1.39	Q				
5+55	0.4145	1.39	Q				
6+ 0	0.4241	1.39	Q				
6+ 5	0.4339	1.43	Q				
6+10	0.4444	1.53	VQ				
6+15	0.4551	1.55	VQ				
6+20	0.4658	1.56	VQ				
6+25	0.4766	1.56	Q				
6+30	0.4874	1.57	Q				
6+35	0.4984	1.60	Q				
6+40	0.5101	1.70	Q				
6+45	0.5220	1.73	Q				
6+50	0.5340	1.74	Q				
6+55	0.5459	1.74	Q				
7+ 0	0.5579	1.74	Q				
7+ 5	0.5699	1.74	Q				
7+10	0.5819	1.74	Q				
7+15	0.5939	1.74	Q				
7+20	0.6061	1.78	Q				
7+25	0.6190	1.87	Q				
7+30	0.6321	1.90	Q				
7+35	0.6455	1.95	Q				
7+40	0.6596	2.05	Q				
7+45	0.6739	2.07	Q				
7+50	0.6884	2.12	Q				
7+55	0.7037	2.22	QV				
8+ 0	0.7192	2.25	QV				
8+ 5	0.7353	2.33	Q				
8+10	0.7527	2.53	Q				
8+15	0.7705	2.58	Q				
8+20	0.7884	2.60	Q				
8+25	0.8063	2.61	Q				
8+30	0.8243	2.61	Q				
8+35	0.8440	2.86	Q				
8+40	0.8682	3.52	VQ				
8+45	0.8941	3.75	V Q				
8+50	0.9223	4.09	V Q				
8+55	0.9552	4.78	V Q				
9+ 0	0.9898	5.03	V Q				
9+ 5	1.0283	5.60	V Q				
9+10	1.0758	6.89	V Q				
9+15	1.1262	7.31	V Q				
9+20	1.1793	7.71	V Q				
9+25	1.2372	8.41	V Q				
9+30	1.2969	8.67	V Q				
9+35	1.3589	9.01	V Q				
9+40	1.4257	9.70	V Q				
9+45	1.4942	9.94	V Q				
9+50	1.5650	10.28	V Q				
9+55	1.6405	10.97	V Q				
10+ 0	1.7177	11.21	V Q				
10+ 5	1.7850	9.76	V Q				
10+10	1.8233	5.57	Q				
10+15	1.8538	4.43	Q V				
10+20	1.8819	4.09	Q V				
10+25	1.9098	4.05	Q V				
10+30	1.9377	4.04	Q V				

10+35	1.9736	5.22	Q V				
10+40	2.0310	8.33	V Q				
10+45	2.0947	9.25	V Q				
10+50	2.1608	9.60	V Q				
10+55	2.2279	9.73	V Q				
11+ 0	2.2956	9.83	V Q				
11+ 5	2.3622	9.67	V Q				
11+10	2.4250	9.12	V Q				
11+15	2.4870	9.00	V Q				
11+20	2.5490	9.00	V Q				
11+25	2.6113	9.05	VQ				
11+30	2.6739	9.10	VQ				
11+35	2.7339	8.71	Q				
11+40	2.7858	7.54	QV				
11+45	2.8358	7.25	Q V				
11+50	2.8869	7.42	Q V				
11+55	2.9424	8.06	Q V				
12+ 0	2.9993	8.27	QV				
12+ 5	3.0679	9.95	Q				
12+10	3.1663	14.29	V Q				
12+15	3.2734	15.56	V Q				
12+20	3.3853	16.24	V Q				
12+25	3.5024	17.01	V Q				
12+30	3.6216	17.30	V Q				
12+35	3.7446	17.86	V Q				
12+40	3.8764	19.15	V Q				
12+45	4.0111	19.56	V Q				
12+50	4.1485	19.95	V Q				
12+55	4.2907	20.64	V Q				
13+ 0	4.4345	20.89	V Q				
13+ 5	4.5868	22.12	V Q				
13+10	4.7606	25.23	V Q				
13+15	4.9408	26.16	V Q				
13+20	5.1233	26.50	V Q				
13+25	5.3066	26.62	V Q				
13+30	5.4906	26.72	V Q				
13+35	5.6581	24.31	V Q				
13+40	5.7796	17.65	QV				
13+45	5.8885	15.81	Q V				
13+50	5.9934	15.22	Q V				
13+55	6.0975	15.12	Q V				
14+ 0	6.2013	15.07	Q V				
14+ 5	6.3116	16.02	Q V				
14+10	6.4390	18.51	Q V				
14+15	6.5716	19.25	Q V				
14+20	6.7045	19.30	Q V				
14+25	6.8340	18.80	Q V				
14+30	6.9629	18.71	Q V				
14+35	7.0917	18.71	Q V				
14+40	7.2208	18.74	Q V				
14+45	7.3501	18.78	Q V				
14+50	7.4782	18.60	Q V				
14+55	7.6025	18.04	Q V				
15+ 0	7.7259	17.92	Q V				
15+ 5	7.8477	17.69	Q V				
15+10	7.9655	17.11	Q V				
15+15	8.0824	16.97	Q V				
15+20	8.1977	16.74	Q V				
15+25	8.3090	16.16	Q V				
15+30	8.4194	16.03	Q V				
15+35	8.5236	15.12	Q V				
15+40	8.6111	12.71	Q V				

15+45	8.6942	12.06	|	| Q	|	| V	|
15+50	8.7760	11.88	|	| Q	|	| V	|
15+55	8.8577	11.86	|	| Q	|	| V	|
16+ 0	8.9395	11.87	|	| Q	|	| V	|
16+ 5	9.0056	9.60	|	Q |	|	| V	|
16+10	9.0283	3.31	| Q	|	|	| V	|
16+15	9.0389	1.53	| Q	|	|	| V	|
16+20	9.0453	0.94	|Q	|	|	| V	|
16+25	9.0508	0.79	|Q	|	|	| V	|
16+30	9.0556	0.70	Q	|	|	| V	|
16+35	9.0601	0.66	Q	|	|	| V	|
16+40	9.0640	0.56	Q	|	|	| V	|
16+45	9.0677	0.53	Q	|	|	| V	|
16+50	9.0713	0.53	Q	|	|	| V	|
16+55	9.0749	0.52	Q	|	|	| V	|
17+ 0	9.0785	0.52	Q	|	|	| V	|
17+ 5	9.0826	0.59	Q	|	|	| V	|
17+10	9.0880	0.79	|Q	|	|	| V	|
17+15	9.0938	0.84	|Q	|	|	| V	|
17+20	9.0998	0.86	|Q	|	|	| V	|
17+25	9.1057	0.87	|Q	|	|	| V	|
17+30	9.1117	0.87	|Q	|	|	| V	|
17+35	9.1177	0.87	|Q	|	|	| V	|
17+40	9.1237	0.87	|Q	|	|	| V	|
17+45	9.1297	0.87	|Q	|	|	| V	|
17+50	9.1354	0.83	|Q	|	|	| V	|
17+55	9.1405	0.74	Q	|	|	| V	|
18+ 0	9.1454	0.71	Q	|	|	| V	|
18+ 5	9.1502	0.70	Q	|	|	| V	|
18+10	9.1550	0.70	Q	|	|	| V	|
18+15	9.1598	0.70	Q	|	|	| V	|
18+20	9.1646	0.70	Q	|	|	| V	|
18+25	9.1694	0.70	Q	|	|	| V	|
18+30	9.1742	0.70	Q	|	|	| V	|
18+35	9.1787	0.66	Q	|	|	| V	|
18+40	9.1826	0.56	Q	|	|	| V	|
18+45	9.1863	0.53	Q	|	|	| V	|
18+50	9.1896	0.49	Q	|	|	| V	|
18+55	9.1923	0.39	Q	|	|	| V	|
19+ 0	9.1948	0.36	Q	|	|	| V	|
19+ 5	9.1975	0.39	Q	|	|	| V	|
19+10	9.2008	0.48	Q	|	|	| V	|
19+15	9.2043	0.51	Q	|	|	| V	|
19+20	9.2081	0.55	Q	|	|	| V	|
19+25	9.2126	0.65	Q	|	|	| V	|
19+30	9.2173	0.68	Q	|	|	| V	|
19+35	9.2219	0.66	Q	|	|	| V	|
19+40	9.2257	0.56	Q	|	|	| V	|
19+45	9.2294	0.53	Q	|	|	| V	|
19+50	9.2328	0.49	Q	|	|	| V	|
19+55	9.2355	0.39	Q	|	|	| V	|
20+ 0	9.2379	0.36	Q	|	|	| V	|
20+ 5	9.2406	0.39	Q	|	|	| V	|
20+10	9.2439	0.48	Q	|	|	| V	|
20+15	9.2474	0.51	Q	|	|	| V	|
20+20	9.2510	0.52	Q	|	|	| V	|
20+25	9.2546	0.52	Q	|	|	| V	|
20+30	9.2582	0.52	Q	|	|	| V	|
20+35	9.2618	0.52	Q	|	|	| V	|
20+40	9.2654	0.52	Q	|	|	| V	|
20+45	9.2690	0.52	Q	|	|	| V	|
20+50	9.2723	0.49	Q	|	|	| V	|
20+55	9.2750	0.39	Q	|	|	| V	|
21+ 0	9.2775	0.36	Q	|	|	| V	|
21+ 5	9.2802	0.39	Q	|	|	| V	|
21+10	9.2835	0.48	Q	|	|	| V	|
21+15	9.2870	0.51	Q	|	|	| V	|
21+20	9.2903	0.48	Q	|	|	| V	|
21+25	9.2930	0.39	Q	|	|	| V	|
21+30	9.2955	0.36	Q	|	|	| V	|
21+35	9.2981	0.39	Q	|	|	| V	|
21+40	9.3014	0.48	Q	|	|	| V	|
21+45	9.3050	0.51	Q	|	|	| V	|
21+50	9.3083	0.48	Q	|	|	| V	|
21+55	9.3109	0.39	Q	|	|	| V	|
22+ 0	9.3134	0.36	Q	|	|	| V	|
22+ 5	9.3161	0.39	Q	|	|	| V	|
22+10	9.3194	0.48	Q	|	|	| V	|
22+15	9.3229	0.51	Q	|	|	| V	|
22+20	9.3262	0.48	Q	|	|	| V	|
22+25	9.3289	0.39	Q	|	|	| V	|
22+30	9.3314	0.36	Q	|	|	| V	|
22+35	9.3338	0.35	Q	|	|	| V	|
22+40	9.3362	0.35	Q	|	|	| V	|
22+45	9.3386	0.35	Q	|	|	| V	|
22+50	9.3410	0.35	Q	|	|	| V	|
22+55	9.3434	0.35	Q	|	|	| V	|
23+ 0	9.3458	0.35	Q	|	|	| V	|
23+ 5	9.3482	0.35	Q	|	|	| V	|
23+10	9.3506	0.35	Q	|	|	| V	|
23+15	9.3530	0.35	Q	|	|	| V	|
23+20	9.3554	0.35	Q	|	|	| V	|
23+25	9.3578	0.35	Q	|	|	| V	|
23+30	9.3602	0.35	Q	|	|	| V	|
23+35	9.3626	0.35	Q	|	|	| V	|
23+40	9.3650	0.35	Q	|	|	| V	|
23+45	9.3674	0.35	Q	|	|	| V	|
23+50	9.3698	0.35	Q	|	|	| V	|
23+55	9.3722	0.35	Q	|	|	| V	|
24+ 0	9.3746	0.35	Q	|	|	| V	|
24+ 5	9.3765	0.28	Q	|	|	| V	|
24+10	9.3770	0.08	Q	|	|	| V	|
24+15	9.3772	0.03	Q	|	|	| V	|
24+20	9.3773	0.01	Q	|	|	| V	|
24+25	9.3773	0.00	Q	|	|	| V	|

AREA TRIBUTARY TO CP7

AREA 7
(3HR, 6HR, & 24HR STORMS)

```
        U n i t   H y d r o g r a p h   A n a l y s i s

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                Study date  07/26/23 File: MESAP73100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

----------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



----------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 7
7/19/23
----------------------------------------------------------------------
Drainage Area =      13.38(Ac.)  =      0.021 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      13.38(Ac.)  =
0.021 Sq. Mi.
Length along longest watercourse =    1414.00(Ft.)
Length along longest watercourse measured to centroid =     699.00(Ft.)
Length along longest watercourse =      0.268 Mi.
Length along longest watercourse measured to centroid =      0.132 Mi.
Difference in elevation =     140.00(Ft.)
Slope along watercourse =    522.7723 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.072 Hr.
Lag time =     4.31 Min.
25% of lag time =     1.08 Min.
40% of lag time =     1.73 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       13.38             0.94                  12.58

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       13.38             1.97                  26.36

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     2.230           70.00          0.000
     0.370           80.00          0.000
     8.810           84.00          0.000
     0.220           65.00          0.120
     0.120           77.00          0.120
     1.630           82.00          0.120
 Total Area Entered =     13.38(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.167      0.060
80.0  80.0      0.244     0.000        0.244       0.028      0.007
84.0  84.0      0.198     0.000        0.198       0.658      0.131
65.0  65.0      0.416     0.120        0.371       0.016      0.006
77.0  77.0      0.279     0.120        0.249       0.009      0.002
82.0  82.0      0.221     0.120        0.197       0.122      0.024
                                                 Sum (F) =   0.230
Area averaged mean soil loss (F) (In/Hr) =  0.230
Minimum soil loss rate ((In/Hr)) =  0.115
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.890
----------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
----------------------------------------------------------------------
                Unit Hydrograph Data
----------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
----------------------------------------------------------------------
    1   0.083        115.917         20.023             2.700
    2   0.167        231.835         56.155             7.572
    3   0.250        347.752         16.050             2.164
    4   0.333        463.669          5.512             0.743
    5   0.417        579.587          1.375             0.185
    6   0.500        695.504          0.711             0.096
    7   0.583        811.422          0.175             0.024
                              Sum = 100.000   Sum=      13.485
----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     1.30      0.307          0.230    (  0.273)        0.077
  2   0.17     1.30      0.307          0.230    (  0.273)        0.077
```

3	0.25	1.10	0.260	0.230	(0.231)	0.030
4	0.33	1.50	0.355	0.230	(0.316)	0.124
5	0.42	1.50	0.355	0.230	(0.316)	0.124
6	0.50	1.80	0.425	0.230	(0.379)	0.195
7	0.58	1.50	0.355	0.230	(0.316)	0.124
8	0.67	1.80	0.425	0.230	(0.379)	0.195
9	0.75	1.80	0.425	0.230	(0.379)	0.195
10	0.83	1.50	0.355	0.230	(0.316)	0.124
11	0.92	1.60	0.378	0.230	(0.337)	0.148
12	1.00	1.80	0.425	0.230	(0.379)	0.195
13	1.08	2.20	0.520	0.230	(0.463)	0.290
14	1.17	2.20	0.520	0.230	(0.463)	0.290
15	1.25	2.20	0.520	0.230	(0.463)	0.290
16	1.33	2.00	0.473	0.230	(0.421)	0.243
17	1.42	2.60	0.615	0.230	(0.547)	0.385
18	1.50	2.70	0.638	0.230	(0.568)	0.408
19	1.58	2.40	0.567	0.230	(0.505)	0.337
20	1.67	2.70	0.638	0.230	(0.568)	0.408
21	1.75	3.30	0.780	0.230	(0.694)	0.550
22	1.83	3.10	0.733	0.230	(0.652)	0.503
23	1.92	2.90	0.686	0.230	(0.610)	0.455
24	2.00	3.00	0.709	0.230	(0.631)	0.479
25	2.08	3.10	0.733	0.230	(0.652)	0.503
26	2.17	4.20	0.993	0.230	(0.884)	0.763
27	2.25	5.00	1.182	0.230	(1.052)	0.952
28	2.33	3.50	0.827	0.230	(0.736)	0.597
29	2.42	6.80	1.607	0.230	(1.431)	1.377
30	2.50	7.30	1.726	0.230	(1.536)	1.496
31	2.58	8.20	1.938	0.230	(1.725)	1.708
32	2.67	5.90	1.395	0.230	(1.241)	1.165
33	2.75	2.00	0.473	0.230	(0.421)	0.243
34	2.83	1.80	0.425	0.230	(0.379)	0.195
35	2.92	1.80	0.425	0.230	(0.379)	0.195
36	3.00	0.60	0.142	(0.230)	0.126	0.016

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.5

Flood volume = Effective rainfall 1.29(In)
times area 13.4(Ac.)/[(In)/(Ft.)] = 1.4(Ac.Ft)
Total soil loss = 0.68(In)
Total soil loss = 0.760(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 62570.5 Cubic Feet
Total soil loss = 33105.6 Cubic Feet

Peak flow rate of this hydrograph = 20.571(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 7.5 15.0 22.5 30.0
0+ 5	0.0014	0.21	Q | | | |
0+10	0.0069	0.79	VQ | | | |
0+15	0.0126	0.83	VQ | | | |
0+20	0.0181	0.79	VQ | | | |
0+25	0.0278	1.42	VQ | | | |
0+30	0.0401	1.78	VQ | | | |
0+35	0.0552	2.19	VQ | | | |
0+40	0.0691	2.01	VQ | | | |
0+45	0.0860	2.46	VQ | | | |
0+50	0.1024	2.38	VQ | | | |
0+55	0.1159	1.96	QV | | | |
1+ 0	0.1305	2.12	QV | | | |
1+ 5	0.1493	2.73	QV | | | |
1+10	0.1738	3.56	Q | | | |
1+15	0.2000	3.80	Q | | | |
1+20	0.2258	3.75	Q V | | | |
1+25	0.2520	3.80	Q V | | | |
1+30	0.2853	4.84	QV | | | |
1+35	0.3205	5.10	Q V | | | |
1+40	0.3543	4.91	Q V| | | |
1+45	0.3936	5.71	Q V | | |
1+50	0.4403	6.78	Q| V | | |
1+55	0.4861	6.64	Q | V | | |
2+ 0	0.5299	6.36	Q | V | | |
2+ 5	0.5746	6.50	Q | V | | |
2+10	0.6256	7.40	Q| V | | |
2+15	0.6940	9.94	| Q V| | |
2+20	0.7698	10.99	| Q |V | |
2+25	0.8457	11.02	| Q | V | |
2+30	0.9605	16.68	| | Q V | |
2+35	1.0957	19.63	| | Q V |
2+40	1.2374	20.57	| | Q | V |
2+45	1.3381	14.63	| | Q| | V |
2+50	1.3835	6.58	| Q | | V |
2+55	1.4103	3.89	| Q | | V|
3+ 0	1.4278	2.54	| Q | | V|
3+ 5	1.4339	0.88	Q | | | V|
3+10	1.4357	0.27	Q | | | V|
3+15	1.4362	0.07	Q | | | V|
3+20	1.4364	0.03	Q | | | V|
3+25	1.4364	0.01	Q | | | V|
3+30	1.4364	0.00	Q | | | V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/26/23 File: MESAP76100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 7
7/19/23

Drainage Area = 13.38(Ac.) = 0.021 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 13.38(Ac.) = 0.021 Sq. Mi.
Length along longest watercourse = 1414.00(Ft.)
Length along longest watercourse measured to centroid = 699.00(Ft.)
Length along longest watercourse = 0.268 Mi.
Length along longest watercourse measured to centroid = 0.132 Mi.
Difference in elevation = 140.00(Ft.)
Slope along watercourse = 522.7723 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.072 Hr.
Lag time = 4.31 Min.
25% of lag time = 1.08 Min.
40% of lag time = 1.73 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
13.38	1.35	18.06

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
13.38	2.78	37.20

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.780(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.230	70.00	0.000
0.370	80.00	0.000
8.810	84.00	0.000
0.220	65.00	0.120
0.120	77.00	0.120
1.630	82.00	0.120

Total Area Entered = 13.38(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
70.0	70.0	0.362	0.000	0.362	0.167	0.060
80.0	80.0	0.244	0.000	0.244	0.028	0.007
84.0	84.0	0.198	0.000	0.198	0.658	0.131
65.0	65.0	0.416	0.120	0.371	0.016	0.006
77.0	77.0	0.279	0.120	0.249	0.009	0.002
82.0	82.0	0.221	0.120	0.197	0.122	0.024
					Sum (F) =	0.230

Area averaged mean soil loss (F) (In/Hr) = 0.230
Minimum soil loss rate ((In/Hr)) = 0.115
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.890

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	115.917	20.023	2.700
2	0.167	231.835	56.155	7.572
3	0.250	347.752	16.050	2.164
4	0.333	463.669	5.512	0.743
5	0.417	579.587	1.375	0.185
6	0.500	695.504	0.711	0.096
7	0.583	811.422	0.175	0.024
		Sum = 100.000	Sum=	13.485

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.230)	0.148	0.018
2	0.17	0.60	0.200	(0.230)	0.178	0.022

3	0.25	0.60	0.200	(0.230)	0.178	0.022
4	0.33	0.60	0.200	(0.230)	0.178	0.022
5	0.42	0.60	0.200	(0.230)	0.178	0.022
6	0.50	0.70	0.234	(0.230)	0.208	0.026
7	0.58	0.70	0.234	(0.230)	0.208	0.026
8	0.67	0.70	0.234	(0.230)	0.208	0.026
9	0.75	0.70	0.234	(0.230)	0.208	0.026
10	0.83	0.70	0.234	(0.230)	0.208	0.026
11	0.92	0.70	0.234	(0.230)	0.208	0.026
12	1.00	0.80	0.267	0.230 (0.238)		0.037
13	1.08	0.80	0.267	0.230 (0.238)		0.037
14	1.17	0.80	0.267	0.230 (0.238)		0.037
15	1.25	0.80	0.267	0.230 (0.238)		0.037
16	1.33	0.80	0.267	0.230 (0.238)		0.037
17	1.42	0.80	0.267	0.230 (0.238)		0.037
18	1.50	0.80	0.267	0.230 (0.238)		0.037
19	1.58	0.80	0.267	0.230 (0.238)		0.037
20	1.67	0.80	0.267	0.230 (0.238)		0.037
21	1.75	0.80	0.267	0.230 (0.238)		0.037
22	1.83	0.80	0.267	0.230 (0.238)		0.037
23	1.92	0.80	0.267	0.230 (0.238)		0.037
24	2.00	0.90	0.300	0.230 (0.267)		0.070
25	2.08	0.80	0.267	0.230 (0.238)		0.037
26	2.17	0.90	0.300	0.230 (0.267)		0.070
27	2.25	0.90	0.300	0.230 (0.267)		0.070
28	2.33	0.90	0.300	0.230 (0.267)		0.070
29	2.42	0.90	0.300	0.230 (0.267)		0.070
30	2.50	0.90	0.300	0.230 (0.267)		0.070
31	2.58	0.90	0.300	0.230 (0.267)		0.070
32	2.67	0.90	0.300	0.230 (0.267)		0.070
33	2.75	1.00	0.334	0.230 (0.297)		0.103
34	2.83	1.00	0.334	0.230 (0.297)		0.103
35	2.92	1.00	0.334	0.230 (0.297)		0.103
36	3.00	1.00	0.334	0.230 (0.297)		0.103
37	3.08	1.00	0.334	0.230 (0.297)		0.103
38	3.17	1.10	0.367	0.230 (0.327)		0.137
39	3.25	1.10	0.367	0.230 (0.327)		0.137
40	3.33	1.10	0.367	0.230 (0.327)		0.137
41	3.42	1.20	0.400	0.230 (0.356)		0.170
42	3.50	1.30	0.434	0.230 (0.386)		0.204
43	3.58	1.40	0.467	0.230 (0.416)		0.237
44	3.67	1.40	0.467	0.230 (0.416)		0.237
45	3.75	1.50	0.500	0.230 (0.445)		0.270
46	3.83	1.50	0.500	0.230 (0.445)		0.270
47	3.92	1.60	0.534	0.230 (0.475)		0.304
48	4.00	1.60	0.534	0.230 (0.475)		0.304
49	4.08	1.70	0.567	0.230 (0.505)		0.337
50	4.17	1.80	0.600	0.230 (0.534)		0.370
51	4.25	1.90	0.634	0.230 (0.564)		0.404
52	4.33	2.00	0.667	0.230 (0.594)		0.437
53	4.42	2.10	0.701	0.230 (0.623)		0.470
54	4.50	2.10	0.701	0.230 (0.623)		0.470
55	4.58	2.20	0.734	0.230 (0.653)		0.504
56	4.67	2.30	0.767	0.230 (0.683)		0.537
57	4.75	2.40	0.801	0.230 (0.713)		0.571
58	4.83	2.40	0.801	0.230 (0.713)		0.571
59	4.92	2.50	0.834	0.230 (0.742)		0.604
60	5.00	2.60	0.867	0.230 (0.772)		0.637
61	5.08	3.10	1.034	0.230 (0.920)		0.804
62	5.17	3.60	1.201	0.230 (1.069)		0.971
63	5.25	3.90	1.301	0.230 (1.158)		1.071
64	5.33	4.20	1.401	0.230 (1.247)		1.171
65	5.42	4.70	1.568	0.230 (1.395)		1.338
66	5.50	5.60	1.868	0.230 (1.663)		1.638
67	5.58	1.90	0.634	0.230 (0.564)		0.404
68	5.67	0.90	0.300	0.230 (0.267)		0.070
69	5.75	0.60	0.200	(0.230)	0.178	0.022
70	5.83	0.50	0.167	(0.230)	0.148	0.018
71	5.92	0.30	0.100	(0.230)	0.089	0.011
72	6.00	0.20	0.067	(0.230)	0.059	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 17.7

Flood volume = Effective rainfall 1.47(In)
times area 13.4(Ac.)/[(In)/(Ft.)] = 1.6(Ac.Ft)
Total soil loss = 1.31(In)
Total soil loss = 1.459(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 71479.6 Cubic Feet
Total soil loss = 63537.2 Cubic Feet

Peak flow rate of this hydrograph = 18.164(CFS)

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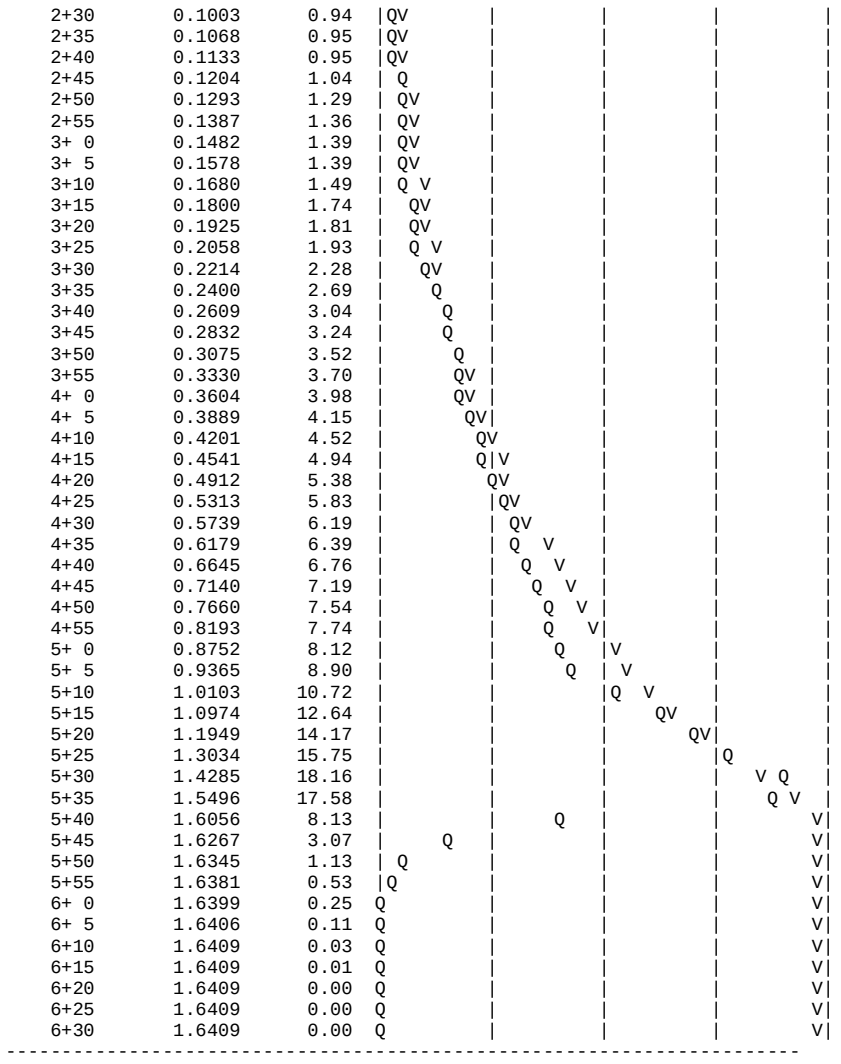
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0003	0.05	Q	|	|	|	|
0+10	0.0017	0.20	Q	|	|	|	|
0+15	0.0035	0.27	Q	|	|	|	|
0+20	0.0055	0.29	Q	|	|	|	|
0+25	0.0075	0.29	Q	|	|	|	|
0+30	0.0097	0.31	Q	|	|	|	|
0+35	0.0120	0.33	Q	|	|	|	|
0+40	0.0143	0.34	Q	|	|	|	|
0+45	0.0167	0.35	Q	|	|	|	|
0+50	0.0191	0.35	Q	|	|	|	|
0+55	0.0215	0.35	Q	|	|	|	|
1+ 0	0.0241	0.38	Q	|	|	|	|
1+ 5	0.0272	0.46	Q	|	|	|	|
1+10	0.0306	0.48	Q	|	|	|	|
1+15	0.0340	0.49	Q	|	|	|	|
1+20	0.0374	0.49	Q	|	|	|	|
1+25	0.0408	0.50	Q	|	|	|	|
1+30	0.0442	0.50	QV	|	|	|	|
1+35	0.0476	0.50	QV	|	|	|	|
1+40	0.0510	0.50	QV	|	|	|	|
1+45	0.0545	0.50	QV	|	|	|	|
1+50	0.0579	0.50	QV	|	|	|	|
1+55	0.0613	0.50	QV	|	|	|	|
2+ 0	0.0653	0.59	|Q	|	|	|	|
2+ 5	0.0705	0.75	|Q	|	|	|	|
2+10	0.0750	0.66	|Q	|	|	|	|
2+15	0.0810	0.86	|Q	|	|	|	|
2+20	0.0873	0.92	|QV	|	|	|	|
2+25	0.0938	0.94	|QV	|	|	|	|


2+30 0.1003 0.94
2+35 0.1068 0.95
2+40 0.1133 0.95
2+45 0.1204 1.04
2+50 0.1293 1.29
2+55 0.1387 1.36
3+ 0 0.1482 1.39
3+ 5 0.1578 1.39
3+10 0.1680 1.49
3+15 0.1800 1.74
3+20 0.1925 1.81
3+25 0.2058 1.93
3+30 0.2214 2.28
3+35 0.2400 2.69
3+40 0.2609 3.04
3+45 0.2832 3.24
3+50 0.3075 3.52
3+55 0.3330 3.70
4+ 0 0.3604 3.98
4+ 5 0.3889 4.15
4+10 0.4201 4.52
4+15 0.4541 4.94
4+20 0.4912 5.38
4+25 0.5313 5.83
4+30 0.5739 6.19
4+35 0.6179 6.39
4+40 0.6645 6.76
4+45 0.7140 7.19
4+50 0.7660 7.54
4+55 0.8193 7.74
5+ 0 0.8752 8.12
5+ 5 0.9365 8.90
5+10 1.0103 10.72
5+15 1.0974 12.64
5+20 1.1949 14.17
5+25 1.3034 15.75
5+30 1.4285 18.16
5+35 1.5496 17.58
5+40 1.6056 8.13
5+45 1.6267 3.07
5+50 1.6345 1.13
5+55 1.6381 0.53
6+ 0 1.6399 0.25
6+ 5 1.6406 0.11
6+10 1.6409 0.03
6+15 1.6409 0.01
6+20 1.6409 0.00
6+25 1.6409 0.00
6+30 1.6409 0.00

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        U n i t   H y d r o g r a p h   A n a l y s i s

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                Study date  07/26/23 File: MESAP724100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

----------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



----------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 7
7/19/23
----------------------------------------------------------------------
Drainage Area =      13.38(Ac.)  =      0.021 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      13.38(Ac.)  =
0.021 Sq. Mi.
Length along longest watercourse =    1414.00(Ft.)
Length along longest watercourse measured to centroid =     699.00(Ft.)
Length along longest watercourse =      0.268 Mi.
Length along longest watercourse measured to centroid =      0.132 Mi.
Difference in elevation =     140.00(Ft.)
Slope along watercourse =    522.7723 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.072 Hr.
Lag time =     4.31 Min.
25% of lag time =     1.08 Min.
40% of lag time =     1.73 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       13.38             2.45                  32.78

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       13.38             6.08                  81.35

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     2.230           70.00          0.000
     0.370           80.00          0.000
     8.810           84.00          0.000
     0.220           65.00          0.120
     0.120           77.00          0.120
     1.630           82.00          0.120
 Total Area Entered =     13.38(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.167      0.060
80.0  80.0      0.244     0.000        0.244       0.028      0.007
84.0  84.0      0.198     0.000        0.198       0.658      0.131
65.0  65.0      0.416     0.120        0.371       0.016      0.006
77.0  77.0      0.279     0.120        0.249       0.009      0.002
82.0  82.0      0.221     0.120        0.197       0.122      0.024
                                                 Sum (F) =   0.230
Area averaged mean soil loss (F) (In/Hr) =  0.230
Minimum soil loss rate ((In/Hr)) =  0.115
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.890
----------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
----------------------------------------------------------------------
                Unit Hydrograph Data
----------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
----------------------------------------------------------------------
    1   0.083        115.917         20.023             2.700
    2   0.167        231.835         56.155             7.572
    3   0.250        347.752         16.050             2.164
    4   0.333        463.669          5.512             0.743
    5   0.417        579.587          1.375             0.185
    6   0.500        695.504          0.711             0.096
    7   0.583        811.422          0.175             0.024
                              Sum = 100.000   Sum=      13.485
----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.408)       0.043        0.005
  2   0.17     0.07      0.049       (  0.406)       0.043        0.005
```

3	0.25	0.07	0.049	(0.405)	0.043	0.005
4	0.33	0.10	0.073	(0.403)	0.065	0.008
5	0.42	0.10	0.073	(0.402)	0.065	0.008
6	0.50	0.10	0.073	(0.400)	0.065	0.008
7	0.58	0.10	0.073	(0.398)	0.065	0.008
8	0.67	0.10	0.073	(0.397)	0.065	0.008
9	0.75	0.10	0.073	(0.395)	0.065	0.008
10	0.83	0.13	0.097	(0.394)	0.087	0.011
11	0.92	0.13	0.097	(0.392)	0.087	0.011
12	1.00	0.13	0.097	(0.391)	0.087	0.011
13	1.08	0.10	0.073	(0.389)	0.065	0.008
14	1.17	0.10	0.073	(0.388)	0.065	0.008
15	1.25	0.10	0.073	(0.386)	0.065	0.008
16	1.33	0.10	0.073	(0.385)	0.065	0.008
17	1.42	0.10	0.073	(0.383)	0.065	0.008
18	1.50	0.10	0.073	(0.381)	0.065	0.008
19	1.58	0.10	0.073	(0.380)	0.065	0.008
20	1.67	0.10	0.073	(0.378)	0.065	0.008
21	1.75	0.10	0.073	(0.377)	0.065	0.008
22	1.83	0.13	0.097	(0.375)	0.087	0.011
23	1.92	0.13	0.097	(0.374)	0.087	0.011
24	2.00	0.13	0.097	(0.372)	0.087	0.011
25	2.08	0.13	0.097	(0.371)	0.087	0.011
26	2.17	0.13	0.097	(0.369)	0.087	0.011
27	2.25	0.13	0.097	(0.368)	0.087	0.011
28	2.33	0.13	0.097	(0.366)	0.087	0.011
29	2.42	0.13	0.097	(0.365)	0.087	0.011
30	2.50	0.13	0.097	(0.363)	0.087	0.011
31	2.58	0.17	0.122	(0.362)	0.108	0.013
32	2.67	0.17	0.122	(0.360)	0.108	0.013
33	2.75	0.17	0.122	(0.359)	0.108	0.013
34	2.83	0.17	0.122	(0.357)	0.108	0.013
35	2.92	0.17	0.122	(0.356)	0.108	0.013
36	3.00	0.17	0.122	(0.355)	0.108	0.013
37	3.08	0.17	0.122	(0.353)	0.108	0.013
38	3.17	0.17	0.122	(0.352)	0.108	0.013
39	3.25	0.17	0.122	(0.350)	0.108	0.013
40	3.33	0.17	0.122	(0.349)	0.108	0.013
41	3.42	0.17	0.122	(0.347)	0.108	0.013
42	3.50	0.17	0.122	(0.346)	0.108	0.013
43	3.58	0.17	0.122	(0.344)	0.108	0.013
44	3.67	0.17	0.122	(0.343)	0.108	0.013
45	3.75	0.17	0.122	(0.341)	0.108	0.013
46	3.83	0.20	0.146	(0.340)	0.130	0.016
47	3.92	0.20	0.146	(0.339)	0.130	0.016
48	4.00	0.20	0.146	(0.337)	0.130	0.016
49	4.08	0.20	0.146	(0.336)	0.130	0.016
50	4.17	0.20	0.146	(0.334)	0.130	0.016
51	4.25	0.20	0.146	(0.333)	0.130	0.016
52	4.33	0.23	0.170	(0.331)	0.152	0.019
53	4.42	0.23	0.170	(0.330)	0.152	0.019
54	4.50	0.23	0.170	(0.329)	0.152	0.019
55	4.58	0.23	0.170	(0.327)	0.152	0.019
56	4.67	0.23	0.170	(0.326)	0.152	0.019
57	4.75	0.23	0.170	(0.324)	0.152	0.019
58	4.83	0.27	0.195	(0.323)	0.173	0.021
59	4.92	0.27	0.195	(0.322)	0.173	0.021
60	5.00	0.27	0.195	(0.320)	0.173	0.021
61	5.08	0.20	0.146	(0.319)	0.130	0.016
62	5.17	0.20	0.146	(0.317)	0.130	0.016
63	5.25	0.20	0.146	(0.316)	0.130	0.016
64	5.33	0.23	0.170	(0.315)	0.152	0.019
65	5.42	0.23	0.170	(0.313)	0.152	0.019
66	5.50	0.23	0.170	(0.312)	0.152	0.019
67	5.58	0.27	0.195	(0.311)	0.173	0.021
68	5.67	0.27	0.195	(0.309)	0.173	0.021
69	5.75	0.27	0.195	(0.308)	0.173	0.021
70	5.83	0.27	0.195	(0.306)	0.173	0.021
71	5.92	0.27	0.195	(0.305)	0.173	0.021
72	6.00	0.27	0.195	(0.304)	0.173	0.021
73	6.08	0.30	0.219	(0.302)	0.195	0.024
74	6.17	0.30	0.219	(0.301)	0.195	0.024
75	6.25	0.30	0.219	(0.300)	0.195	0.024
76	6.33	0.30	0.219	(0.298)	0.195	0.024
77	6.42	0.30	0.219	(0.297)	0.195	0.024
78	6.50	0.30	0.219	(0.296)	0.195	0.024
79	6.58	0.33	0.243	(0.294)	0.216	0.027
80	6.67	0.33	0.243	(0.293)	0.216	0.027
81	6.75	0.33	0.243	(0.292)	0.216	0.027
82	6.83	0.33	0.243	(0.290)	0.216	0.027
83	6.92	0.33	0.243	(0.289)	0.216	0.027
84	7.00	0.33	0.243	(0.288)	0.216	0.027
85	7.08	0.33	0.243	(0.286)	0.216	0.027
86	7.17	0.33	0.243	(0.285)	0.216	0.027
87	7.25	0.33	0.243	(0.284)	0.216	0.027
88	7.33	0.37	0.268	(0.283)	0.238	0.029
89	7.42	0.37	0.268	(0.281)	0.238	0.029
90	7.50	0.37	0.268	(0.280)	0.238	0.029
91	7.58	0.40	0.292	(0.279)	0.260	0.032
92	7.67	0.40	0.292	(0.277)	0.260	0.032
93	7.75	0.40	0.292	(0.276)	0.260	0.032
94	7.83	0.43	0.316	0.275	(0.281)	0.041
95	7.92	0.43	0.316	0.274	(0.281)	0.043
96	8.00	0.43	0.316	0.272	(0.281)	0.044
97	8.08	0.50	0.365	0.271	(0.325)	0.094
98	8.17	0.50	0.365	0.270	(0.325)	0.095
99	8.25	0.50	0.365	0.269	(0.325)	0.096
100	8.33	0.50	0.365	0.267	(0.325)	0.098
101	8.42	0.50	0.365	0.266	(0.325)	0.099
102	8.50	0.50	0.365	0.265	(0.325)	0.100
103	8.58	0.53	0.389	0.264	(0.346)	0.126
104	8.67	0.53	0.389	0.262	(0.346)	0.127
105	8.75	0.53	0.389	0.261	(0.346)	0.128
106	8.83	0.57	0.413	0.260	(0.368)	0.154
107	8.92	0.57	0.413	0.259	(0.368)	0.155
108	9.00	0.57	0.413	0.257	(0.368)	0.156
109	9.08	0.63	0.462	0.256	(0.411)	0.206
110	9.17	0.63	0.462	0.255	(0.411)	0.207
111	9.25	0.63	0.462	0.254	(0.411)	0.208
112	9.33	0.67	0.486	0.253	(0.433)	0.234
113	9.42	0.67	0.486	0.251	(0.433)	0.235
114	9.50	0.67	0.486	0.250	(0.433)	0.236
115	9.58	0.70	0.511	0.249	(0.455)	0.262
116	9.67	0.70	0.511	0.248	(0.455)	0.263
117	9.75	0.70	0.511	0.247	(0.455)	0.264
118	9.83	0.73	0.535	0.245	(0.476)	0.290
119	9.92	0.73	0.535	0.244	(0.476)	0.291
120	10.00	0.73	0.535	0.243	(0.476)	0.292
121	10.08	0.50	0.365	0.242	(0.325)	0.123
122	10.17	0.50	0.365	0.241	(0.325)	0.124

123	10.25	0.50	0.365	0.239	(0.325)	0.125	183	15.25	0.80	0.584	0.177	(0.519)	0.407
124	10.33	0.50	0.365	0.238	(0.325)	0.126	184	15.33	0.77	0.559	0.176	(0.498)	0.383
125	10.42	0.50	0.365	0.237	(0.325)	0.128	185	15.42	0.77	0.559	0.175	(0.498)	0.384
126	10.50	0.50	0.365	0.236	(0.325)	0.129	186	15.50	0.77	0.559	0.174	(0.498)	0.385
127	10.58	0.67	0.486	0.235	(0.433)	0.252	187	15.58	0.63	0.462	0.173	(0.411)	0.289
128	10.67	0.67	0.486	0.234	(0.433)	0.253	188	15.67	0.63	0.462	0.172	(0.411)	0.290
129	10.75	0.67	0.486	0.233	(0.433)	0.254	189	15.75	0.63	0.462	0.172	(0.411)	0.290
130	10.83	0.67	0.486	0.231	(0.433)	0.255	190	15.83	0.63	0.462	0.171	(0.411)	0.291
131	10.92	0.67	0.486	0.230	(0.433)	0.256	191	15.92	0.63	0.462	0.170	(0.411)	0.292
132	11.00	0.67	0.486	0.229	(0.433)	0.257	192	16.00	0.63	0.462	0.169	(0.411)	0.293
133	11.08	0.63	0.462	0.228	(0.411)	0.234	193	16.08	0.13	0.097	(0.168)	0.087	0.011
134	11.17	0.63	0.462	0.227	(0.411)	0.235	194	16.17	0.13	0.097	(0.167)	0.087	0.011
135	11.25	0.63	0.462	0.226	(0.411)	0.236	195	16.25	0.13	0.097	(0.166)	0.087	0.011
136	11.33	0.63	0.462	0.225	(0.411)	0.237	196	16.33	0.13	0.097	(0.166)	0.087	0.011
137	11.42	0.63	0.462	0.224	(0.411)	0.239	197	16.42	0.13	0.097	(0.165)	0.087	0.011
138	11.50	0.63	0.462	0.222	(0.411)	0.240	198	16.50	0.13	0.097	(0.164)	0.087	0.011
139	11.58	0.57	0.413	0.221	(0.368)	0.192	199	16.58	0.10	0.073	(0.163)	0.065	0.008
140	11.67	0.57	0.413	0.220	(0.368)	0.193	200	16.67	0.10	0.073	(0.162)	0.065	0.008
141	11.75	0.57	0.413	0.219	(0.368)	0.194	201	16.75	0.10	0.073	(0.161)	0.065	0.008
142	11.83	0.60	0.438	0.218	(0.390)	0.220	202	16.83	0.10	0.073	(0.161)	0.065	0.008
143	11.92	0.60	0.438	0.217	(0.390)	0.221	203	16.92	0.10	0.073	(0.160)	0.065	0.008
144	12.00	0.60	0.438	0.216	(0.390)	0.222	204	17.00	0.10	0.073	(0.159)	0.065	0.008
145	12.08	0.83	0.608	0.215	(0.541)	0.393	205	17.08	0.17	0.122	(0.158)	0.108	0.013
146	12.17	0.83	0.608	0.214	(0.541)	0.394	206	17.17	0.17	0.122	(0.157)	0.108	0.013
147	12.25	0.83	0.608	0.213	(0.541)	0.395	207	17.25	0.17	0.122	(0.157)	0.108	0.013
148	12.33	0.87	0.632	0.212	(0.563)	0.421	208	17.33	0.17	0.122	(0.156)	0.108	0.013
149	12.42	0.87	0.632	0.211	(0.563)	0.422	209	17.42	0.17	0.122	(0.155)	0.108	0.013
150	12.50	0.87	0.632	0.209	(0.563)	0.423	210	17.50	0.17	0.122	(0.154)	0.108	0.013
151	12.58	0.93	0.681	0.208	(0.606)	0.473	211	17.58	0.17	0.122	(0.153)	0.108	0.013
152	12.67	0.93	0.681	0.207	(0.606)	0.474	212	17.67	0.17	0.122	(0.153)	0.108	0.013
153	12.75	0.93	0.681	0.206	(0.606)	0.475	213	17.75	0.17	0.122	(0.152)	0.108	0.013
154	12.83	0.97	0.705	0.205	(0.628)	0.500	214	17.83	0.13	0.097	(0.151)	0.087	0.011
155	12.92	0.97	0.705	0.204	(0.628)	0.501	215	17.92	0.13	0.097	(0.150)	0.087	0.011
156	13.00	0.97	0.705	0.203	(0.628)	0.502	216	18.00	0.13	0.097	(0.150)	0.087	0.011
157	13.08	1.13	0.827	0.202	(0.736)	0.625	217	18.08	0.13	0.097	(0.149)	0.087	0.011
158	13.17	1.13	0.827	0.201	(0.736)	0.626	218	18.17	0.13	0.097	(0.148)	0.087	0.011
159	13.25	1.13	0.827	0.200	(0.736)	0.627	219	18.25	0.13	0.097	(0.147)	0.087	0.011
160	13.33	1.13	0.827	0.199	(0.736)	0.628	220	18.33	0.13	0.097	(0.147)	0.087	0.011
161	13.42	1.13	0.827	0.198	(0.736)	0.629	221	18.42	0.13	0.097	(0.146)	0.087	0.011
162	13.50	1.13	0.827	0.197	(0.736)	0.630	222	18.50	0.13	0.097	(0.145)	0.087	0.011
163	13.58	0.77	0.559	0.196	(0.498)	0.363	223	18.58	0.10	0.073	(0.145)	0.065	0.008
164	13.67	0.77	0.559	0.195	(0.498)	0.364	224	18.67	0.10	0.073	(0.144)	0.065	0.008
165	13.75	0.77	0.559	0.194	(0.498)	0.365	225	18.75	0.10	0.073	(0.143)	0.065	0.008
166	13.83	0.77	0.559	0.193	(0.498)	0.366	226	18.83	0.07	0.049	(0.143)	0.043	0.005
167	13.92	0.77	0.559	0.192	(0.498)	0.367	227	18.92	0.07	0.049	(0.142)	0.043	0.005
168	14.00	0.77	0.559	0.191	(0.498)	0.368	228	19.00	0.07	0.049	(0.141)	0.043	0.005
169	14.08	0.90	0.657	0.190	(0.584)	0.466	229	19.08	0.10	0.073	(0.141)	0.065	0.008
170	14.17	0.90	0.657	0.189	(0.584)	0.467	230	19.17	0.10	0.073	(0.140)	0.065	0.008
171	14.25	0.90	0.657	0.188	(0.584)	0.468	231	19.25	0.10	0.073	(0.139)	0.065	0.008
172	14.33	0.87	0.632	0.187	(0.563)	0.445	232	19.33	0.13	0.097	(0.139)	0.087	0.011
173	14.42	0.87	0.632	0.186	(0.563)	0.446	233	19.42	0.13	0.097	(0.138)	0.087	0.011
174	14.50	0.87	0.632	0.185	(0.563)	0.447	234	19.50	0.13	0.097	(0.137)	0.087	0.011
175	14.58	0.87	0.632	0.184	(0.563)	0.448	235	19.58	0.10	0.073	(0.137)	0.065	0.008
176	14.67	0.87	0.632	0.183	(0.563)	0.449	236	19.67	0.10	0.073	(0.136)	0.065	0.008
177	14.75	0.87	0.632	0.183	(0.563)	0.450	237	19.75	0.10	0.073	(0.135)	0.065	0.008
178	14.83	0.83	0.608	0.182	(0.541)	0.426	238	19.83	0.07	0.049	(0.135)	0.043	0.005
179	14.92	0.83	0.608	0.181	(0.541)	0.427	239	19.92	0.07	0.049	(0.134)	0.043	0.005
180	15.00	0.83	0.608	0.180	(0.541)	0.428	240	20.00	0.07	0.049	(0.134)	0.043	0.005
181	15.08	0.80	0.584	0.179	(0.519)	0.405	241	20.08	0.10	0.073	(0.133)	0.065	0.008
182	15.17	0.80	0.584	0.178	(0.519)	0.406	242	20.17	0.10	0.073	(0.132)	0.065	0.008

243	20.25	0.10	0.073	(0.132)	0.065	0.008
244	20.33	0.10	0.073	(0.131)	0.065	0.008
245	20.42	0.10	0.073	(0.131)	0.065	0.008
246	20.50	0.10	0.073	(0.130)	0.065	0.008
247	20.58	0.10	0.073	(0.130)	0.065	0.008
248	20.67	0.10	0.073	(0.129)	0.065	0.008
249	20.75	0.10	0.073	(0.129)	0.065	0.008
250	20.83	0.07	0.049	(0.128)	0.043	0.005
251	20.92	0.07	0.049	(0.128)	0.043	0.005
252	21.00	0.07	0.049	(0.127)	0.043	0.005
253	21.08	0.10	0.073	(0.126)	0.065	0.008
254	21.17	0.10	0.073	(0.126)	0.065	0.008
255	21.25	0.10	0.073	(0.126)	0.065	0.008
256	21.33	0.07	0.049	(0.125)	0.043	0.005
257	21.42	0.07	0.049	(0.125)	0.043	0.005
258	21.50	0.07	0.049	(0.124)	0.043	0.005
259	21.58	0.10	0.073	(0.124)	0.065	0.008
260	21.67	0.10	0.073	(0.123)	0.065	0.008
261	21.75	0.10	0.073	(0.123)	0.065	0.008
262	21.83	0.07	0.049	(0.122)	0.043	0.005
263	21.92	0.07	0.049	(0.122)	0.043	0.005
264	22.00	0.07	0.049	(0.121)	0.043	0.005
265	22.08	0.10	0.073	(0.121)	0.065	0.008
266	22.17	0.10	0.073	(0.121)	0.065	0.008
267	22.25	0.10	0.073	(0.120)	0.065	0.008
268	22.33	0.07	0.049	(0.120)	0.043	0.005
269	22.42	0.07	0.049	(0.120)	0.043	0.005
270	22.50	0.07	0.049	(0.119)	0.043	0.005
271	22.58	0.07	0.049	(0.119)	0.043	0.005
272	22.67	0.07	0.049	(0.119)	0.043	0.005
273	22.75	0.07	0.049	(0.118)	0.043	0.005
274	22.83	0.07	0.049	(0.118)	0.043	0.005
275	22.92	0.07	0.049	(0.118)	0.043	0.005
276	23.00	0.07	0.049	(0.117)	0.043	0.005
277	23.08	0.07	0.049	(0.117)	0.043	0.005
278	23.17	0.07	0.049	(0.117)	0.043	0.005
279	23.25	0.07	0.049	(0.117)	0.043	0.005
280	23.33	0.07	0.049	(0.116)	0.043	0.005
281	23.42	0.07	0.049	(0.116)	0.043	0.005
282	23.50	0.07	0.049	(0.116)	0.043	0.005
283	23.58	0.07	0.049	(0.116)	0.043	0.005
284	23.67	0.07	0.049	(0.116)	0.043	0.005
285	23.75	0.07	0.049	(0.115)	0.043	0.005
286	23.83	0.07	0.049	(0.115)	0.043	0.005
287	23.92	0.07	0.049	(0.115)	0.043	0.005
288	24.00	0.07	0.049	(0.115)	0.043	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 32.6

Flood volume = Effective rainfall 2.72(In)
times area 13.4(Ac.)/[(In)/(Ft.)] = 3.0(Ac.Ft)
Total soil loss = 3.36(In)
Total soil loss = 3.749(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 132000.5 Cubic Feet
Total soil loss = 163293.7 Cubic Feet

Peak flow rate of this hydrograph = 8.478(CFS)

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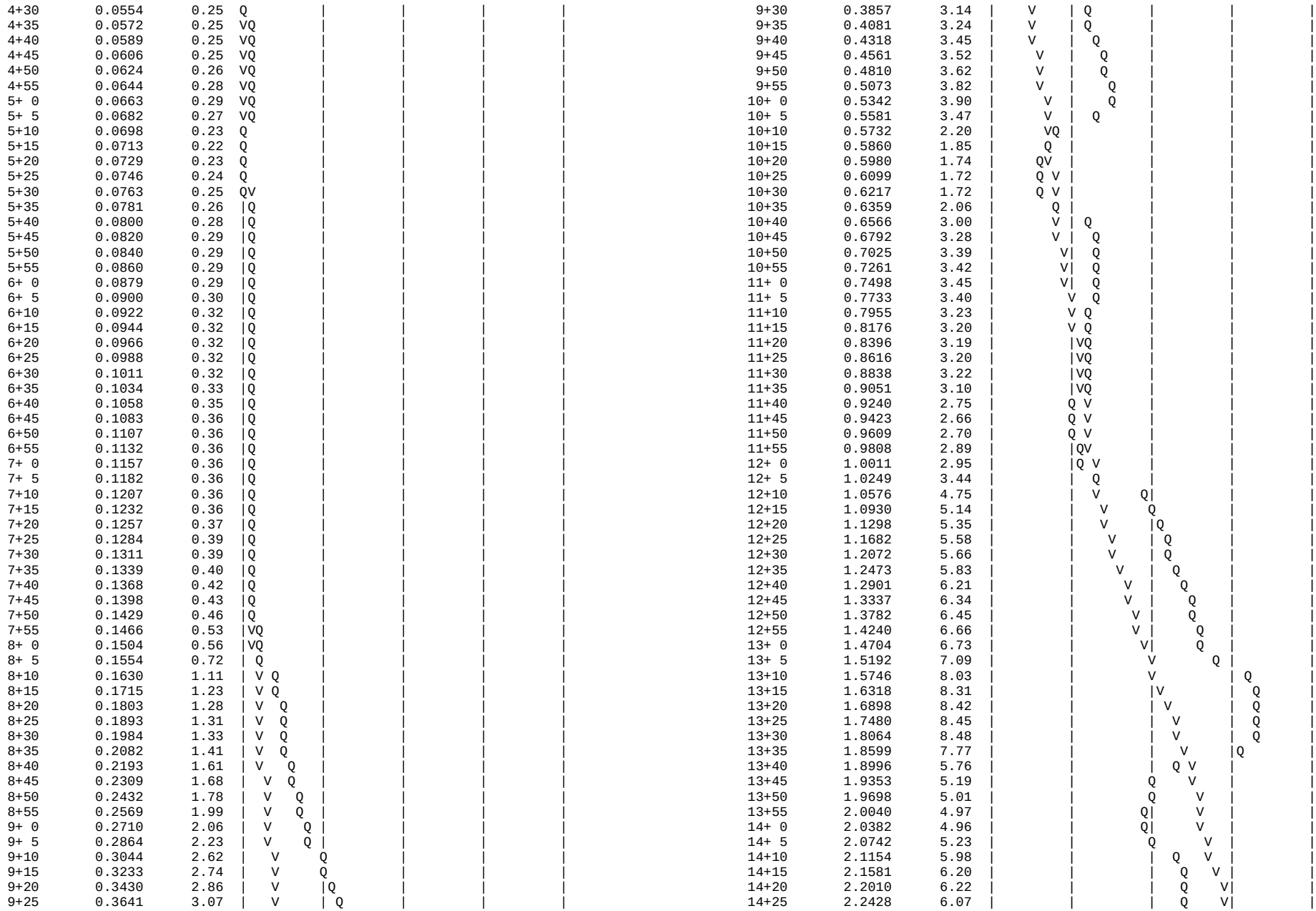
24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q	|	|	|	|
0+10	0.0005	0.05	Q	|	|	|	|
0+15	0.0009	0.07	Q	|	|	|	|
0+20	0.0015	0.08	Q	|	|	|	|
0+25	0.0022	0.10	Q	|	|	|	|
0+30	0.0029	0.11	Q	|	|	|	|
0+35	0.0036	0.11	Q	|	|	|	|
0+40	0.0044	0.11	Q	|	|	|	|
0+45	0.0051	0.11	Q	|	|	|	|
0+50	0.0059	0.12	Q	|	|	|	|
0+55	0.0068	0.14	Q	|	|	|	|
1+ 0	0.0078	0.14	Q	|	|	|	|
1+ 5	0.0088	0.14	Q	|	|	|	|
1+10	0.0096	0.12	Q	|	|	|	|
1+15	0.0103	0.11	Q	|	|	|	|
1+20	0.0111	0.11	Q	|	|	|	|
1+25	0.0118	0.11	Q	|	|	|	|
1+30	0.0126	0.11	Q	|	|	|	|
1+35	0.0133	0.11	Q	|	|	|	|
1+40	0.0141	0.11	Q	|	|	|	|
1+45	0.0148	0.11	Q	|	|	|	|
1+50	0.0156	0.12	Q	|	|	|	|
1+55	0.0165	0.14	Q	|	|	|	|
2+ 0	0.0175	0.14	Q	|	|	|	|
2+ 5	0.0185	0.14	Q	|	|	|	|
2+10	0.0195	0.14	Q	|	|	|	|
2+15	0.0205	0.14	Q	|	|	|	|
2+20	0.0215	0.14	Q	|	|	|	|
2+25	0.0225	0.14	Q	|	|	|	|
2+30	0.0235	0.14	Q	|	|	|	|
2+35	0.0245	0.15	Q	|	|	|	|
2+40	0.0257	0.17	Q	|	|	|	|
2+45	0.0269	0.18	Q	|	|	|	|
2+50	0.0282	0.18	Q	|	|	|	|
2+55	0.0294	0.18	Q	|	|	|	|
3+ 0	0.0306	0.18	Q	|	|	|	|
3+ 5	0.0319	0.18	Q	|	|	|	|
3+10	0.0331	0.18	Q	|	|	|	|
3+15	0.0344	0.18	Q	|	|	|	|
3+20	0.0356	0.18	Q	|	|	|	|
3+25	0.0369	0.18	Q	|	|	|	|
3+30	0.0381	0.18	Q	|	|	|	|
3+35	0.0393	0.18	Q	|	|	|	|
3+40	0.0406	0.18	Q	|	|	|	|
3+45	0.0418	0.18	Q	|	|	|	|
3+50	0.0431	0.19	Q	|	|	|	|
3+55	0.0445	0.21	Q	|	|	|	|
4+ 0	0.0460	0.21	Q	|	|	|	|
4+ 5	0.0475	0.22	Q	|	|	|	|
4+10	0.0490	0.22	Q	|	|	|	|
4+15	0.0505	0.22	Q	|	|	|	|
4+20	0.0520	0.22	Q	|	|	|	|
4+25	0.0537	0.24	Q	|	|	|	|



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   24+30       3.0303      0.00  Q         |         |         |        V|
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AREAS TRIBUTARY TO CP8

AREAS 8B
(3HR, 6HR, & 24HR STORMS)

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/23/23 File: MESAP8B3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 8B
7/19/23

Drainage Area = 5.30(Ac.) = 0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 5.30(Ac.) = 0.008 Sq. Mi.
Length along longest watercourse = 756.00(Ft.)
Length along longest watercourse measured to centroid = 266.00(Ft.)
Length along longest watercourse = 0.143 Mi.
Length along longest watercourse measured to centroid = 0.050 Mi.
Difference in elevation = 105.00(Ft.)
Slope along watercourse = 733.3333 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.037 Hr.
Lag time = 2.21 Min.
25% of lag time = 0.55 Min.
40% of lag time = 0.88 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
5.30	0.94	4.98

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
5.30	1.97	10.44

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.970(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.290	80.00	0.000
3.030	84.00	0.000
0.630	77.00	0.120
1.350	82.00	0.120

Total Area Entered = 5.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
80.0	80.0	0.244	0.000	0.244	0.055	0.013
84.0	84.0	0.198	0.000	0.198	0.572	0.113
77.0	77.0	0.279	0.120	0.249	0.119	0.030
82.0	82.0	0.221	0.120	0.197	0.255	0.050
					Sum (F) =	0.207

Area averaged mean soil loss (F) (In/Hr) = 0.207
Minimum soil loss rate ((In/Hr)) = 0.103
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.860

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	226.389	47.177	2.520
2	0.167	452.778	47.430	2.533
3	0.250	679.167	4.784	0.256
4	0.333	905.556	0.609	0.033
		Sum = 100.000	Sum=	5.341

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.207	(0.264)	0.101
2	0.17	1.30	0.307	0.207	(0.264)	0.101
3	0.25	1.10	0.260	0.207	(0.224)	0.053
4	0.33	1.50	0.355	0.207	(0.305)	0.148
5	0.42	1.50	0.355	0.207	(0.305)	0.148
6	0.50	1.80	0.426	0.207	(0.366)	0.219
7	0.58	1.50	0.355	0.207	(0.305)	0.148
8	0.67	1.80	0.426	0.207	(0.366)	0.219
9	0.75	1.80	0.426	0.207	(0.366)	0.219

10	0.83	1.50	0.355	0.207	(0.305)	0.148
11	0.92	1.60	0.378	0.207	(0.325)	0.172
12	1.00	1.80	0.426	0.207	(0.366)	0.219
13	1.08	2.20	0.520	0.207	(0.447)	0.313
14	1.17	2.20	0.520	0.207	(0.447)	0.313
15	1.25	2.20	0.520	0.207	(0.447)	0.313
16	1.33	2.00	0.473	0.207	(0.407)	0.266
17	1.42	2.60	0.615	0.207	(0.529)	0.408
18	1.50	2.70	0.638	0.207	(0.549)	0.432
19	1.58	2.40	0.567	0.207	(0.488)	0.361
20	1.67	2.70	0.638	0.207	(0.549)	0.432
21	1.75	3.30	0.780	0.207	(0.671)	0.573
22	1.83	3.10	0.733	0.207	(0.630)	0.526
23	1.92	2.90	0.686	0.207	(0.590)	0.479
24	2.00	3.00	0.709	0.207	(0.610)	0.503
25	2.08	3.10	0.733	0.207	(0.630)	0.526
26	2.17	4.20	0.993	0.207	(0.854)	0.786
27	2.25	5.00	1.182	0.207	(1.016)	0.975
28	2.33	3.50	0.827	0.207	(0.712)	0.621
29	2.42	6.80	1.607	0.207	(1.382)	1.401
30	2.50	7.30	1.726	0.207	(1.484)	1.519
31	2.58	8.20	1.938	0.207	(1.667)	1.732
32	2.67	5.90	1.395	0.207	(1.199)	1.188
33	2.75	2.00	0.473	0.207	(0.407)	0.266
34	2.83	1.80	0.426	0.207	(0.366)	0.219
35	2.92	1.80	0.426	0.207	(0.366)	0.219
36	3.00	0.60	0.142	(0.207)	0.122	0.020

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.3

Flood volume = Effective rainfall 1.36(In)
times area 5.3(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 0.61(In)
Total soil loss = 0.271(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 26108.0 Cubic Feet
Total soil loss = 11792.0 Cubic Feet

Peak flow rate of this hydrograph = 8.595(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0017	0.25	VQ				
0+10	0.0053	0.51	V Q				
0+15	0.0081	0.42	VQ				
0+20	0.0118	0.54	V Q				
0+25	0.0171	0.76	V Q				
0+30	0.0237	0.97	V Q				
0+35	0.0304	0.97	VQ				
0+40	0.0372	0.99	VQ				
0+45	0.0452	1.15	VQ				
0+50	0.0520	0.99	Q				
0+55	0.0580	0.87	Q				
1+ 0	0.0651	1.03	Q				
1+ 5	0.0747	1.39	VQ				
1+10	0.0860	1.65	VQ				
1+15	0.0975	1.67	Q				
1+20	0.1082	1.56	QV				
1+25	0.1206	1.79	QV				
1+30	0.1357	2.20	QV				
1+35	0.1503	2.12	Q V				
1+40	0.1649	2.13	Q V				
1+45	0.1832	2.65	Q V				
1+50	0.2032	2.90	Q V				
1+55	0.2218	2.70	Q V				
2+ 0	0.2399	2.63	Q V				
2+ 5	0.2588	2.74	Q V				
2+10	0.2826	3.46	Q V				
2+15	0.3143	4.60	Q V				
2+20	0.3436	4.26	Q V				
2+25	0.3807	5.38	Q V				
2+30	0.4328	7.57	V Q				
2+35	0.4920	8.59	V Q				
2+40	0.5458	7.82	Q V				
2+45	0.5746	4.17	Q V				
2+50	0.5855	1.59	Q				V
2+55	0.5939	1.21	Q				V
3+ 0	0.5985	0.67	Q				V
3+ 5	0.5993	0.11	Q				V
3+10	0.5994	0.01	Q				V
3+15	0.5994	0.00	Q				V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/23/23 File: MESAP8B6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 8B
7/19/23

Drainage Area = 5.30(Ac.) = 0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 5.30(Ac.) = 0.008 Sq. Mi.
Length along longest watercourse = 756.00(Ft.)
Length along longest watercourse measured to centroid = 266.00(Ft.)
Length along longest watercourse = 0.143 Mi.
Length along longest watercourse measured to centroid = 0.050 Mi.
Difference in elevation = 105.00(Ft.)
Slope along watercourse = 733.3333 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.037 Hr.
Lag time = 2.21 Min.
25% of lag time = 0.55 Min.
40% of lag time = 0.88 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
5.30	1.35	7.16

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
5.30	2.78	14.73

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.780(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.290	80.00	0.000
3.030	84.00	0.000
0.630	77.00	0.120
1.350	82.00	0.120

Total Area Entered = 5.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
80.0	80.0	0.244	0.000	0.244	0.055	0.013
84.0	84.0	0.198	0.000	0.198	0.572	0.113
77.0	77.0	0.279	0.120	0.249	0.119	0.030
82.0	82.0	0.221	0.120	0.197	0.255	0.050
					Sum (F) =	0.207

Area averaged mean soil loss (F) (In/Hr) = 0.207
Minimum soil loss rate ((In/Hr)) = 0.103
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.860

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	226.389	47.177	2.520
2	0.167	452.778	47.430	2.533
3	0.250	679.167	4.784	0.256
4	0.333	905.556	0.609	0.033
		Sum = 100.000	Sum=	5.341

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.207)	0.143	0.023
2	0.17	0.60	0.200	(0.207)	0.172	0.028
3	0.25	0.60	0.200	(0.207)	0.172	0.028
4	0.33	0.60	0.200	(0.207)	0.172	0.028
5	0.42	0.60	0.200	(0.207)	0.172	0.028
6	0.50	0.70	0.234	(0.207)	0.201	0.033
7	0.58	0.70	0.234	(0.207)	0.201	0.033
8	0.67	0.70	0.234	(0.207)	0.201	0.033
9	0.75	0.70	0.234	(0.207)	0.201	0.033

10	0.83	0.70	0.234	(0.207)	0.201	0.033
11	0.92	0.70	0.234	(0.207)	0.201	0.033
12	1.00	0.80	0.267	0.207	(0.230)	0.060
13	1.08	0.80	0.267	0.207	(0.230)	0.060
14	1.17	0.80	0.267	0.207	(0.230)	0.060
15	1.25	0.80	0.267	0.207	(0.230)	0.060
16	1.33	0.80	0.267	0.207	(0.230)	0.060
17	1.42	0.80	0.267	0.207	(0.230)	0.060
18	1.50	0.80	0.267	0.207	(0.230)	0.060
19	1.58	0.80	0.267	0.207	(0.230)	0.060
20	1.67	0.80	0.267	0.207	(0.230)	0.060
21	1.75	0.80	0.267	0.207	(0.230)	0.060
22	1.83	0.80	0.267	0.207	(0.230)	0.060
23	1.92	0.80	0.267	0.207	(0.230)	0.060
24	2.00	0.90	0.300	0.207	(0.258)	0.094
25	2.08	0.80	0.267	0.207	(0.230)	0.060
26	2.17	0.90	0.300	0.207	(0.258)	0.094
27	2.25	0.90	0.300	0.207	(0.258)	0.094
28	2.33	0.90	0.300	0.207	(0.258)	0.094
29	2.42	0.90	0.300	0.207	(0.258)	0.094
30	2.50	0.90	0.300	0.207	(0.258)	0.094
31	2.58	0.90	0.300	0.207	(0.258)	0.094
32	2.67	0.90	0.300	0.207	(0.258)	0.094
33	2.75	1.00	0.334	0.207	(0.287)	0.127
34	2.83	1.00	0.334	0.207	(0.287)	0.127
35	2.92	1.00	0.334	0.207	(0.287)	0.127
36	3.00	1.00	0.334	0.207	(0.287)	0.127
37	3.08	1.00	0.334	0.207	(0.287)	0.127
38	3.17	1.10	0.367	0.207	(0.316)	0.160
39	3.25	1.10	0.367	0.207	(0.316)	0.160
40	3.33	1.10	0.367	0.207	(0.316)	0.160
41	3.42	1.20	0.400	0.207	(0.344)	0.194
42	3.50	1.30	0.434	0.207	(0.373)	0.227
43	3.58	1.40	0.467	0.207	(0.402)	0.260
44	3.67	1.40	0.467	0.207	(0.402)	0.260
45	3.75	1.50	0.500	0.207	(0.430)	0.294
46	3.83	1.50	0.500	0.207	(0.430)	0.294
47	3.92	1.60	0.534	0.207	(0.459)	0.327
48	4.00	1.60	0.534	0.207	(0.459)	0.327
49	4.08	1.70	0.567	0.207	(0.488)	0.360
50	4.17	1.80	0.600	0.207	(0.516)	0.394
51	4.25	1.90	0.634	0.207	(0.545)	0.427
52	4.33	2.00	0.667	0.207	(0.574)	0.461
53	4.42	2.10	0.701	0.207	(0.602)	0.494
54	4.50	2.10	0.701	0.207	(0.602)	0.494
55	4.58	2.20	0.734	0.207	(0.631)	0.527
56	4.67	2.30	0.767	0.207	(0.660)	0.561
57	4.75	2.40	0.801	0.207	(0.689)	0.594
58	4.83	2.40	0.801	0.207	(0.689)	0.594
59	4.92	2.50	0.834	0.207	(0.717)	0.627
60	5.00	2.60	0.867	0.207	(0.746)	0.661
61	5.08	3.10	1.034	0.207	(0.889)	0.827
62	5.17	3.60	1.201	0.207	(1.033)	0.994
63	5.25	3.90	1.301	0.207	(1.119)	1.094
64	5.33	4.20	1.401	0.207	(1.205)	1.194
65	5.42	4.70	1.568	0.207	(1.348)	1.361
66	5.50	5.60	1.868	0.207	(1.607)	1.661
67	5.58	1.90	0.634	0.207	(0.545)	0.427
68	5.67	0.90	0.300	0.207	(0.258)	0.094
69	5.75	0.60	0.200	(0.207)	0.172	0.028
70	5.83	0.50	0.167	(0.207)	0.143	0.023
71	5.92	0.30	0.100	(0.207)	0.086	0.014
72	6.00	0.20	0.067	(0.207)	0.057	0.009

(Loss Rate Not Used)

Sum = 100.0 Sum = 19.1

Flood volume = Effective rainfall 1.59(In)
times area 5.3(Ac.)/[(In)/(Ft.)] = 0.7(Ac.Ft)
Total soil loss = 1.19(In)
Total soil loss = 0.525(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 30596.2 Cubic Feet
Total soil loss = 22887.2 Cubic Feet

Peak flow rate of this hydrograph = 7.980(CFS)

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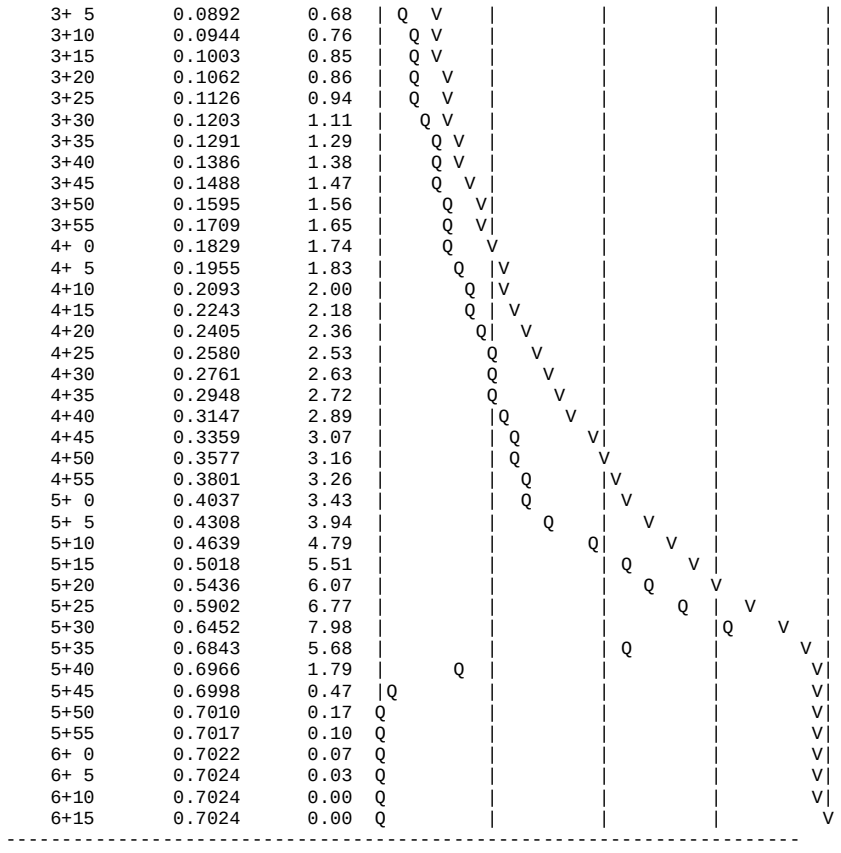
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0004	0.06	Q	|	|	|	|
0+10	0.0013	0.13	Q	|	|	|	|
0+15	0.0023	0.15	Q	|	|	|	|
0+20	0.0033	0.15	Q	|	|	|	|
0+25	0.0044	0.15	Q	|	|	|	|
0+30	0.0055	0.16	Q	|	|	|	|
0+35	0.0067	0.17	Q	|	|	|	|
0+40	0.0079	0.17	Q	|	|	|	|
0+45	0.0091	0.17	Q	|	|	|	|
0+50	0.0103	0.17	Q	|	|	|	|
0+55	0.0115	0.17	Q	|	|	|	|
1+ 0	0.0132	0.24	Q	|	|	|	|
1+ 5	0.0153	0.31	VQ	|	|	|	|
1+10	0.0175	0.32	VQ	|	|	|	|
1+15	0.0198	0.32	|Q	|	|	|	|
1+20	0.0220	0.32	|Q	|	|	|	|
1+25	0.0242	0.32	|Q	|	|	|	|
1+30	0.0264	0.32	|Q	|	|	|	|
1+35	0.0286	0.32	|Q	|	|	|	|
1+40	0.0308	0.32	|Q	|	|	|	|
1+45	0.0331	0.32	|Q	|	|	|	|
1+50	0.0353	0.32	|QV	|	|	|	|
1+55	0.0375	0.32	|QV	|	|	|	|
2+ 0	0.0403	0.41	|QV	|	|	|	|
2+ 5	0.0431	0.41	|QV	|	|	|	|
2+10	0.0459	0.41	|QV	|	|	|	|
2+15	0.0493	0.49	|QV	|	|	|	|
2+20	0.0528	0.50	|Q V	|	|	|	|
2+25	0.0562	0.50	| QV	|	|	|	|
2+30	0.0597	0.50	| QV	|	|	|	|
2+35	0.0631	0.50	| QV	|	|	|	|
2+40	0.0665	0.50	| QV	|	|	|	|
2+45	0.0706	0.58	| Q V	|	|	|	|
2+50	0.0752	0.67	| Q V	|	|	|	|
2+55	0.0798	0.68	| Q V	|	|	|	|
3+ 0	0.0845	0.68	| Q V	|	|	|	|


3+ 5 0.0892 0.68
3+10 0.0944 0.76
3+15 0.1003 0.85
3+20 0.1062 0.86
3+25 0.1126 0.94
3+30 0.1203 1.11
3+35 0.1291 1.29
3+40 0.1386 1.38
3+45 0.1488 1.47
3+50 0.1595 1.56
3+55 0.1709 1.65
4+ 0 0.1829 1.74
4+ 5 0.1955 1.83
4+10 0.2093 2.00
4+15 0.2243 2.18
4+20 0.2405 2.36
4+25 0.2580 2.53
4+30 0.2761 2.63
4+35 0.2948 2.72
4+40 0.3147 2.89
4+45 0.3359 3.07
4+50 0.3577 3.16
4+55 0.3801 3.26
5+ 0 0.4037 3.43
5+ 5 0.4308 3.94
5+10 0.4639 4.79
5+15 0.5018 5.51
5+20 0.5436 6.07
5+25 0.5902 6.77
5+30 0.6452 7.98
5+35 0.6843 5.68
5+40 0.6966 1.79
5+45 0.6998 0.47
5+50 0.7010 0.17
5+55 0.7017 0.10
6+ 0 0.7022 0.07
6+ 5 0.7024 0.03
6+10 0.7024 0.00
6+15 0.7024 0.00

U n i t H y d r o g r a p h A n a l y s i s

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Study date 07/23/23 File: MESAP8B24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 8B
7/19/23

Drainage Area = 5.30(Ac.) = 0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 5.30(Ac.) = 0.008 Sq. Mi.
Length along longest watercourse = 756.00(Ft.)
Length along longest watercourse measured to centroid = 266.00(Ft.)
Length along longest watercourse = 0.143 Mi.
Length along longest watercourse measured to centroid = 0.050 Mi.
Difference in elevation = 105.00(Ft.)
Slope along watercourse = 733.3333 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time = 0.037 Hr.
Lag time = 2.21 Min.
25% of lag time = 0.55 Min.
40% of lag time = 0.88 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
5.30	2.45	12.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
5.30	6.08	32.22

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 6.080(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
0.290	80.00	0.000
3.030	84.00	0.000
0.630	77.00	0.120
1.350	82.00	0.120

Total Area Entered = 5.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
80.0	80.0	0.244	0.000	0.244	0.055	0.013
84.0	84.0	0.198	0.000	0.198	0.572	0.113
77.0	77.0	0.279	0.120	0.249	0.119	0.030
82.0	82.0	0.221	0.120	0.197	0.255	0.050
					Sum (F) =	0.207

Area averaged mean soil loss (F) (In/Hr) = 0.207
Minimum soil loss rate ((In/Hr)) = 0.103
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.860

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	226.389	47.177	2.520
2	0.167	452.778	47.430	2.533
3	0.250	679.167	4.784	0.256
4	0.333	905.556	0.609	0.033
		Sum = 100.000	Sum=	5.341

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.366)	0.042	0.007
2	0.17	0.07	0.049	(0.365)	0.042	0.007
3	0.25	0.07	0.049	(0.364)	0.042	0.007
4	0.33	0.10	0.073	(0.362)	0.063	0.010
5	0.42	0.10	0.073	(0.361)	0.063	0.010
6	0.50	0.10	0.073	(0.359)	0.063	0.010
7	0.58	0.10	0.073	(0.358)	0.063	0.010
8	0.67	0.10	0.073	(0.356)	0.063	0.010
9	0.75	0.10	0.073	(0.355)	0.063	0.010

10	0.83	0.13	0.097	(0.354)	0.084	0.014
11	0.92	0.13	0.097	(0.352)	0.084	0.014
12	1.00	0.13	0.097	(0.351)	0.084	0.014
13	1.08	0.10	0.073	(0.350)	0.063	0.010
14	1.17	0.10	0.073	(0.348)	0.063	0.010
15	1.25	0.10	0.073	(0.347)	0.063	0.010
16	1.33	0.10	0.073	(0.345)	0.063	0.010
17	1.42	0.10	0.073	(0.344)	0.063	0.010
18	1.50	0.10	0.073	(0.343)	0.063	0.010
19	1.58	0.10	0.073	(0.341)	0.063	0.010
20	1.67	0.10	0.073	(0.340)	0.063	0.010
21	1.75	0.10	0.073	(0.339)	0.063	0.010
22	1.83	0.13	0.097	(0.337)	0.084	0.014
23	1.92	0.13	0.097	(0.336)	0.084	0.014
24	2.00	0.13	0.097	(0.334)	0.084	0.014
25	2.08	0.13	0.097	(0.333)	0.084	0.014
26	2.17	0.13	0.097	(0.332)	0.084	0.014
27	2.25	0.13	0.097	(0.330)	0.084	0.014
28	2.33	0.13	0.097	(0.329)	0.084	0.014
29	2.42	0.13	0.097	(0.328)	0.084	0.014
30	2.50	0.13	0.097	(0.326)	0.084	0.014
31	2.58	0.17	0.122	(0.325)	0.105	0.017
32	2.67	0.17	0.122	(0.324)	0.105	0.017
33	2.75	0.17	0.122	(0.322)	0.105	0.017
34	2.83	0.17	0.122	(0.321)	0.105	0.017
35	2.92	0.17	0.122	(0.320)	0.105	0.017
36	3.00	0.17	0.122	(0.318)	0.105	0.017
37	3.08	0.17	0.122	(0.317)	0.105	0.017
38	3.17	0.17	0.122	(0.316)	0.105	0.017
39	3.25	0.17	0.122	(0.314)	0.105	0.017
40	3.33	0.17	0.122	(0.313)	0.105	0.017
41	3.42	0.17	0.122	(0.312)	0.105	0.017
42	3.50	0.17	0.122	(0.311)	0.105	0.017
43	3.58	0.17	0.122	(0.309)	0.105	0.017
44	3.67	0.17	0.122	(0.308)	0.105	0.017
45	3.75	0.17	0.122	(0.307)	0.105	0.017
46	3.83	0.20	0.146	(0.305)	0.125	0.020
47	3.92	0.20	0.146	(0.304)	0.125	0.020
48	4.00	0.20	0.146	(0.303)	0.125	0.020
49	4.08	0.20	0.146	(0.301)	0.125	0.020
50	4.17	0.20	0.146	(0.300)	0.125	0.020
51	4.25	0.20	0.146	(0.299)	0.125	0.020
52	4.33	0.23	0.170	(0.298)	0.146	0.024
53	4.42	0.23	0.170	(0.296)	0.146	0.024
54	4.50	0.23	0.170	(0.295)	0.146	0.024
55	4.58	0.23	0.170	(0.294)	0.146	0.024
56	4.67	0.23	0.170	(0.293)	0.146	0.024
57	4.75	0.23	0.170	(0.291)	0.146	0.024
58	4.83	0.27	0.195	(0.290)	0.167	0.027
59	4.92	0.27	0.195	(0.289)	0.167	0.027
60	5.00	0.27	0.195	(0.288)	0.167	0.027
61	5.08	0.20	0.146	(0.286)	0.125	0.020
62	5.17	0.20	0.146	(0.285)	0.125	0.020
63	5.25	0.20	0.146	(0.284)	0.125	0.020
64	5.33	0.23	0.170	(0.283)	0.146	0.024
65	5.42	0.23	0.170	(0.281)	0.146	0.024
66	5.50	0.23	0.170	(0.280)	0.146	0.024
67	5.58	0.27	0.195	(0.279)	0.167	0.027
68	5.67	0.27	0.195	(0.278)	0.167	0.027
69	5.75	0.27	0.195	(0.276)	0.167	0.027
70	5.83	0.27	0.195	(0.275)	0.167	0.027
71	5.92	0.27	0.195	(0.274)	0.167	0.027
72	6.00	0.27	0.195	(0.273)	0.167	0.027
73	6.08	0.30	0.219	(0.272)	0.188	0.031
74	6.17	0.30	0.219	(0.270)	0.188	0.031
75	6.25	0.30	0.219	(0.269)	0.188	0.031
76	6.33	0.30	0.219	(0.268)	0.188	0.031
77	6.42	0.30	0.219	(0.267)	0.188	0.031
78	6.50	0.30	0.219	(0.266)	0.188	0.031
79	6.58	0.33	0.243	(0.264)	0.209	0.034
80	6.67	0.33	0.243	(0.263)	0.209	0.034
81	6.75	0.33	0.243	(0.262)	0.209	0.034
82	6.83	0.33	0.243	(0.261)	0.209	0.034
83	6.92	0.33	0.243	(0.260)	0.209	0.034
84	7.00	0.33	0.243	(0.258)	0.209	0.034
85	7.08	0.33	0.243	(0.257)	0.209	0.034
86	7.17	0.33	0.243	(0.256)	0.209	0.034
87	7.25	0.33	0.243	(0.255)	0.209	0.034
88	7.33	0.37	0.268	(0.254)	0.230	0.037
89	7.42	0.37	0.268	(0.253)	0.230	0.037
90	7.50	0.37	0.268	(0.251)	0.230	0.037
91	7.58	0.40	0.292	0.250	(0.251)	0.042
92	7.67	0.40	0.292	0.249	(0.251)	0.043
93	7.75	0.40	0.292	0.248	(0.251)	0.044
94	7.83	0.43	0.316	0.247	(0.272)	0.069
95	7.92	0.43	0.316	0.246	(0.272)	0.070
96	8.00	0.43	0.316	0.245	(0.272)	0.072
97	8.08	0.50	0.365	0.243	(0.314)	0.121
98	8.17	0.50	0.365	0.242	(0.314)	0.122
99	8.25	0.50	0.365	0.241	(0.314)	0.124
100	8.33	0.50	0.365	0.240	(0.314)	0.125
101	8.42	0.50	0.365	0.239	(0.314)	0.126
102	8.50	0.50	0.365	0.238	(0.314)	0.127
103	8.58	0.53	0.389	0.237	(0.335)	0.152
104	8.67	0.53	0.389	0.236	(0.335)	0.154
105	8.75	0.53	0.389	0.234	(0.335)	0.155
106	8.83	0.57	0.413	0.233	(0.356)	0.180
107	8.92	0.57	0.413	0.232	(0.356)	0.181
108	9.00	0.57	0.413	0.231	(0.356)	0.182
109	9.08	0.63	0.462	0.230	(0.397)	0.232
110	9.17	0.63	0.462	0.229	(0.397)	0.233
111	9.25	0.63	0.462	0.228	(0.397)	0.234
112	9.33	0.67	0.486	0.227	(0.418)	0.260
113	9.42	0.67	0.486	0.226	(0.418)	0.261
114	9.50	0.67	0.486	0.225	(0.418)	0.262
115	9.58	0.70	0.511	0.224	(0.439)	0.287
116	9.67	0.70	0.511	0.222	(0.439)	0.288
117	9.75	0.70	0.511	0.221	(0.439)	0.289
118	9.83	0.73	0.535	0.220	(0.460)	0.315
119	9.92	0.73	0.535	0.219	(0.460)	0.316
120	10.00	0.73	0.535	0.218	(0.460)	0.317
121	10.08	0.50	0.365	0.217	(0.314)	0.148
122	10.17	0.50	0.365	0.216	(0.314)	0.149
123	10.25	0.50	0.365	0.215	(0.314)	0.150
124	10.33	0.50	0.365	0.214	(0.314)	0.151
125	10.42	0.50	0.365	0.213	(0.314)	0.152
126	10.50	0.50	0.365	0.212	(0.314)	0.153
127	10.58	0.67	0.486	0.211	(0.418)	0.275
128	10.67	0.67	0.486	0.210	(0.418)	0.277
129	10.75	0.67	0.486	0.209	(0.418)	0.278

130	10.83	0.67	0.486	0.208	(0.418)	0.279
131	10.92	0.67	0.486	0.207	(0.418)	0.280
132	11.00	0.67	0.486	0.206	(0.418)	0.281
133	11.08	0.63	0.462	0.205	(0.397)	0.257
134	11.17	0.63	0.462	0.204	(0.397)	0.258
135	11.25	0.63	0.462	0.203	(0.397)	0.259
136	11.33	0.63	0.462	0.202	(0.397)	0.260
137	11.42	0.63	0.462	0.201	(0.397)	0.261
138	11.50	0.63	0.462	0.200	(0.397)	0.262
139	11.58	0.57	0.413	0.199	(0.356)	0.215
140	11.67	0.57	0.413	0.198	(0.356)	0.216
141	11.75	0.57	0.413	0.197	(0.356)	0.217
142	11.83	0.60	0.438	0.196	(0.376)	0.242
143	11.92	0.60	0.438	0.195	(0.376)	0.243
144	12.00	0.60	0.438	0.194	(0.376)	0.244
145	12.08	0.83	0.608	0.193	(0.523)	0.415
146	12.17	0.83	0.608	0.192	(0.523)	0.416
147	12.25	0.83	0.608	0.191	(0.523)	0.417
148	12.33	0.87	0.632	0.190	(0.544)	0.442
149	12.42	0.87	0.632	0.189	(0.544)	0.443
150	12.50	0.87	0.632	0.188	(0.544)	0.444
151	12.58	0.93	0.681	0.187	(0.586)	0.494
152	12.67	0.93	0.681	0.186	(0.586)	0.495
153	12.75	0.93	0.681	0.185	(0.586)	0.496
154	12.83	0.97	0.705	0.184	(0.607)	0.521
155	12.92	0.97	0.705	0.183	(0.607)	0.522
156	13.00	0.97	0.705	0.182	(0.607)	0.523
157	13.08	1.13	0.827	0.182	(0.711)	0.645
158	13.17	1.13	0.827	0.181	(0.711)	0.646
159	13.25	1.13	0.827	0.180	(0.711)	0.647
160	13.33	1.13	0.827	0.179	(0.711)	0.648
161	13.42	1.13	0.827	0.178	(0.711)	0.649
162	13.50	1.13	0.827	0.177	(0.711)	0.650
163	13.58	0.77	0.559	0.176	(0.481)	0.383
164	13.67	0.77	0.559	0.175	(0.481)	0.384
165	13.75	0.77	0.559	0.174	(0.481)	0.385
166	13.83	0.77	0.559	0.173	(0.481)	0.386
167	13.92	0.77	0.559	0.173	(0.481)	0.387
168	14.00	0.77	0.559	0.172	(0.481)	0.388
169	14.08	0.90	0.657	0.171	(0.565)	0.486
170	14.17	0.90	0.657	0.170	(0.565)	0.487
171	14.25	0.90	0.657	0.169	(0.565)	0.488
172	14.33	0.87	0.632	0.168	(0.544)	0.464
173	14.42	0.87	0.632	0.167	(0.544)	0.465
174	14.50	0.87	0.632	0.166	(0.544)	0.466
175	14.58	0.87	0.632	0.166	(0.544)	0.467
176	14.67	0.87	0.632	0.165	(0.544)	0.468
177	14.75	0.87	0.632	0.164	(0.544)	0.468
178	14.83	0.83	0.608	0.163	(0.523)	0.445
179	14.92	0.83	0.608	0.162	(0.523)	0.446
180	15.00	0.83	0.608	0.161	(0.523)	0.447
181	15.08	0.80	0.584	0.161	(0.502)	0.423
182	15.17	0.80	0.584	0.160	(0.502)	0.424
183	15.25	0.80	0.584	0.159	(0.502)	0.425
184	15.33	0.77	0.559	0.158	(0.481)	0.401
185	15.42	0.77	0.559	0.157	(0.481)	0.402
186	15.50	0.77	0.559	0.157	(0.481)	0.403
187	15.58	0.63	0.462	0.156	(0.397)	0.306
188	15.67	0.63	0.462	0.155	(0.397)	0.307
189	15.75	0.63	0.462	0.154	(0.397)	0.308
190	15.83	0.63	0.462	0.153	(0.397)	0.309
191	15.92	0.63	0.462	0.153	(0.397)	0.310
192	16.00	0.63	0.462	0.152	(0.397)	0.310
193	16.08	0.13	0.097	(0.151)	0.084	0.014
194	16.17	0.13	0.097	(0.150)	0.084	0.014
195	16.25	0.13	0.097	(0.149)	0.084	0.014
196	16.33	0.13	0.097	(0.149)	0.084	0.014
197	16.42	0.13	0.097	(0.148)	0.084	0.014
198	16.50	0.13	0.097	(0.147)	0.084	0.014
199	16.58	0.10	0.073	(0.146)	0.063	0.010
200	16.67	0.10	0.073	(0.146)	0.063	0.010
201	16.75	0.10	0.073	(0.145)	0.063	0.010
202	16.83	0.10	0.073	(0.144)	0.063	0.010
203	16.92	0.10	0.073	(0.143)	0.063	0.010
204	17.00	0.10	0.073	(0.143)	0.063	0.010
205	17.08	0.17	0.122	(0.142)	0.105	0.017
206	17.17	0.17	0.122	(0.141)	0.105	0.017
207	17.25	0.17	0.122	(0.141)	0.105	0.017
208	17.33	0.17	0.122	(0.140)	0.105	0.017
209	17.42	0.17	0.122	(0.139)	0.105	0.017
210	17.50	0.17	0.122	(0.138)	0.105	0.017
211	17.58	0.17	0.122	(0.138)	0.105	0.017
212	17.67	0.17	0.122	(0.137)	0.105	0.017
213	17.75	0.17	0.122	(0.136)	0.105	0.017
214	17.83	0.13	0.097	(0.136)	0.084	0.014
215	17.92	0.13	0.097	(0.135)	0.084	0.014
216	18.00	0.13	0.097	(0.134)	0.084	0.014
217	18.08	0.13	0.097	(0.134)	0.084	0.014
218	18.17	0.13	0.097	(0.133)	0.084	0.014
219	18.25	0.13	0.097	(0.132)	0.084	0.014
220	18.33	0.13	0.097	(0.132)	0.084	0.014
221	18.42	0.13	0.097	(0.131)	0.084	0.014
222	18.50	0.13	0.097	(0.131)	0.084	0.014
223	18.58	0.10	0.073	(0.130)	0.063	0.010
224	18.67	0.10	0.073	(0.129)	0.063	0.010
225	18.75	0.10	0.073	(0.129)	0.063	0.010
226	18.83	0.07	0.049	(0.128)	0.042	0.007
227	18.92	0.07	0.049	(0.127)	0.042	0.007
228	19.00	0.07	0.049	(0.127)	0.042	0.007
229	19.08	0.10	0.073	(0.126)	0.063	0.010
230	19.17	0.10	0.073	(0.126)	0.063	0.010
231	19.25	0.10	0.073	(0.125)	0.063	0.010
232	19.33	0.13	0.097	(0.124)	0.084	0.014
233	19.42	0.13	0.097	(0.124)	0.084	0.014
234	19.50	0.13	0.097	(0.123)	0.084	0.014
235	19.58	0.10	0.073	(0.123)	0.063	0.010
236	19.67	0.10	0.073	(0.122)	0.063	0.010
237	19.75	0.10	0.073	(0.122)	0.063	0.010
238	19.83	0.07	0.049	(0.121)	0.042	0.007
239	19.92	0.07	0.049	(0.121)	0.042	0.007
240	20.00	0.07	0.049	(0.120)	0.042	0.007
241	20.08	0.10	0.073	(0.119)	0.063	0.010
242	20.17	0.10	0.073	(0.119)	0.063	0.010
243	20.25	0.10	0.073	(0.118)	0.063	0.010
244	20.33	0.10	0.073	(0.118)	0.063	0.010
245	20.42	0.10	0.073	(0.117)	0.063	0.010
246	20.50	0.10	0.073	(0.117)	0.063	0.010
247	20.58	0.10	0.073	(0.116)	0.063	0.010
248	20.67	0.10	0.073	(0.116)	0.063	0.010
249	20.75	0.10	0.073	(0.115)	0.063	0.010

250	20.83	0.07	0.049	(0.115)	0.042	0.007
251	20.92	0.07	0.049	(0.115)	0.042	0.007
252	21.00	0.07	0.049	(0.114)	0.042	0.007
253	21.08	0.10	0.073	(0.114)	0.063	0.010
254	21.17	0.10	0.073	(0.113)	0.063	0.010
255	21.25	0.10	0.073	(0.113)	0.063	0.010
256	21.33	0.07	0.049	(0.112)	0.042	0.007
257	21.42	0.07	0.049	(0.112)	0.042	0.007
258	21.50	0.07	0.049	(0.111)	0.042	0.007
259	21.58	0.10	0.073	(0.111)	0.063	0.010
260	21.67	0.10	0.073	(0.111)	0.063	0.010
261	21.75	0.10	0.073	(0.110)	0.063	0.010
262	21.83	0.07	0.049	(0.110)	0.042	0.007
263	21.92	0.07	0.049	(0.109)	0.042	0.007
264	22.00	0.07	0.049	(0.109)	0.042	0.007
265	22.08	0.10	0.073	(0.109)	0.063	0.010
266	22.17	0.10	0.073	(0.108)	0.063	0.010
267	22.25	0.10	0.073	(0.108)	0.063	0.010
268	22.33	0.07	0.049	(0.108)	0.042	0.007
269	22.42	0.07	0.049	(0.107)	0.042	0.007
270	22.50	0.07	0.049	(0.107)	0.042	0.007
271	22.58	0.07	0.049	(0.107)	0.042	0.007
272	22.67	0.07	0.049	(0.106)	0.042	0.007
273	22.75	0.07	0.049	(0.106)	0.042	0.007
274	22.83	0.07	0.049	(0.106)	0.042	0.007
275	22.92	0.07	0.049	(0.106)	0.042	0.007
276	23.00	0.07	0.049	(0.105)	0.042	0.007
277	23.08	0.07	0.049	(0.105)	0.042	0.007
278	23.17	0.07	0.049	(0.105)	0.042	0.007
279	23.25	0.07	0.049	(0.105)	0.042	0.007
280	23.33	0.07	0.049	(0.104)	0.042	0.007
281	23.42	0.07	0.049	(0.104)	0.042	0.007
282	23.50	0.07	0.049	(0.104)	0.042	0.007
283	23.58	0.07	0.049	(0.104)	0.042	0.007
284	23.67	0.07	0.049	(0.104)	0.042	0.007
285	23.75	0.07	0.049	(0.104)	0.042	0.007
286	23.83	0.07	0.049	(0.103)	0.042	0.007
287	23.92	0.07	0.049	(0.103)	0.042	0.007
288	24.00	0.07	0.049	(0.103)	0.042	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 35.5

Flood volume = Effective rainfall 2.95(In)
times area 5.3(Ac.)/[(In)/(Ft.)] = 1.3(Ac.Ft)
Total soil loss = 3.13(In)
Total soil loss = 1.380(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 56841.8 Cubic Feet
Total soil loss = 60130.2 Cubic Feet

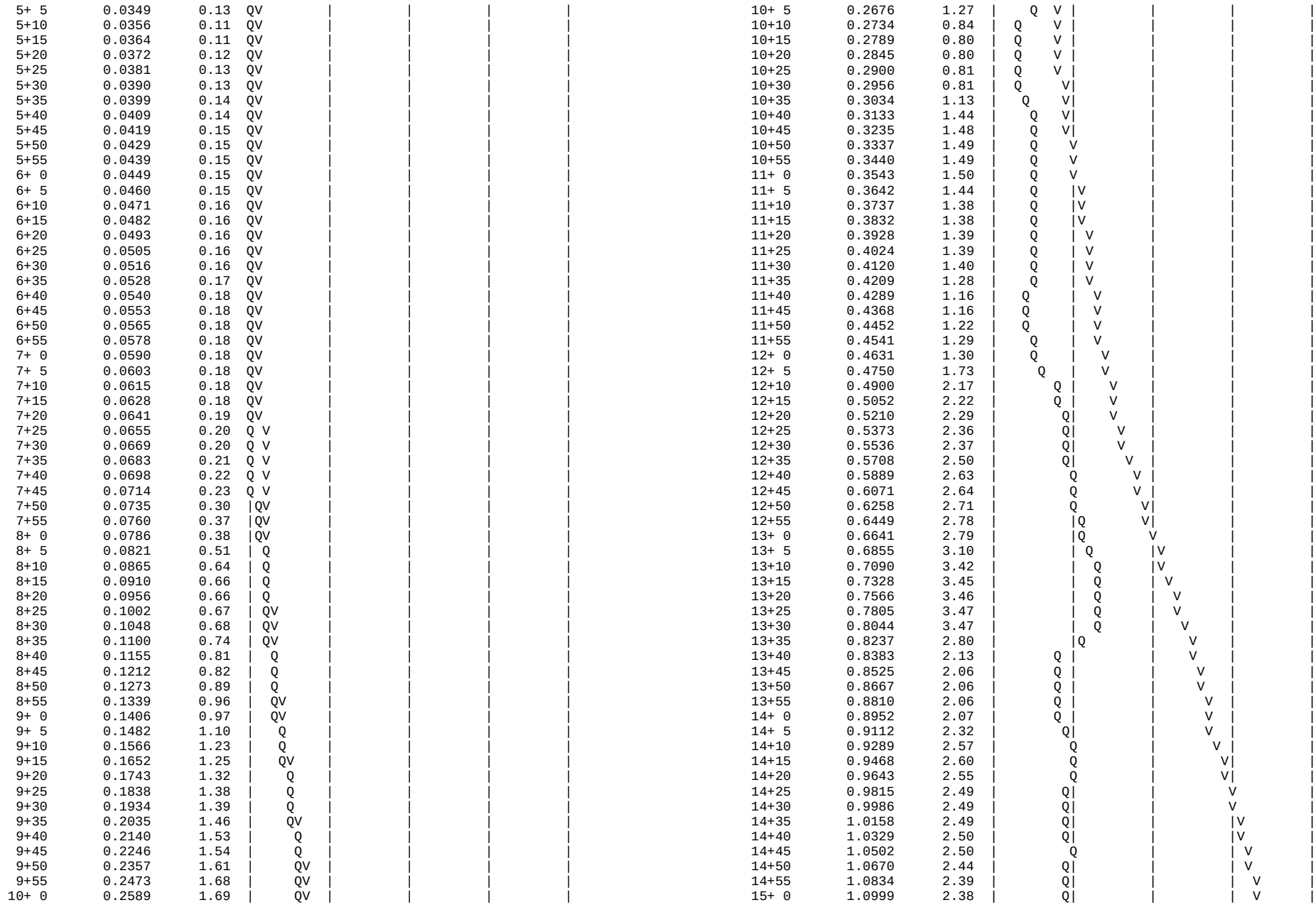
Peak flow rate of this hydrograph = 3.470(CFS)

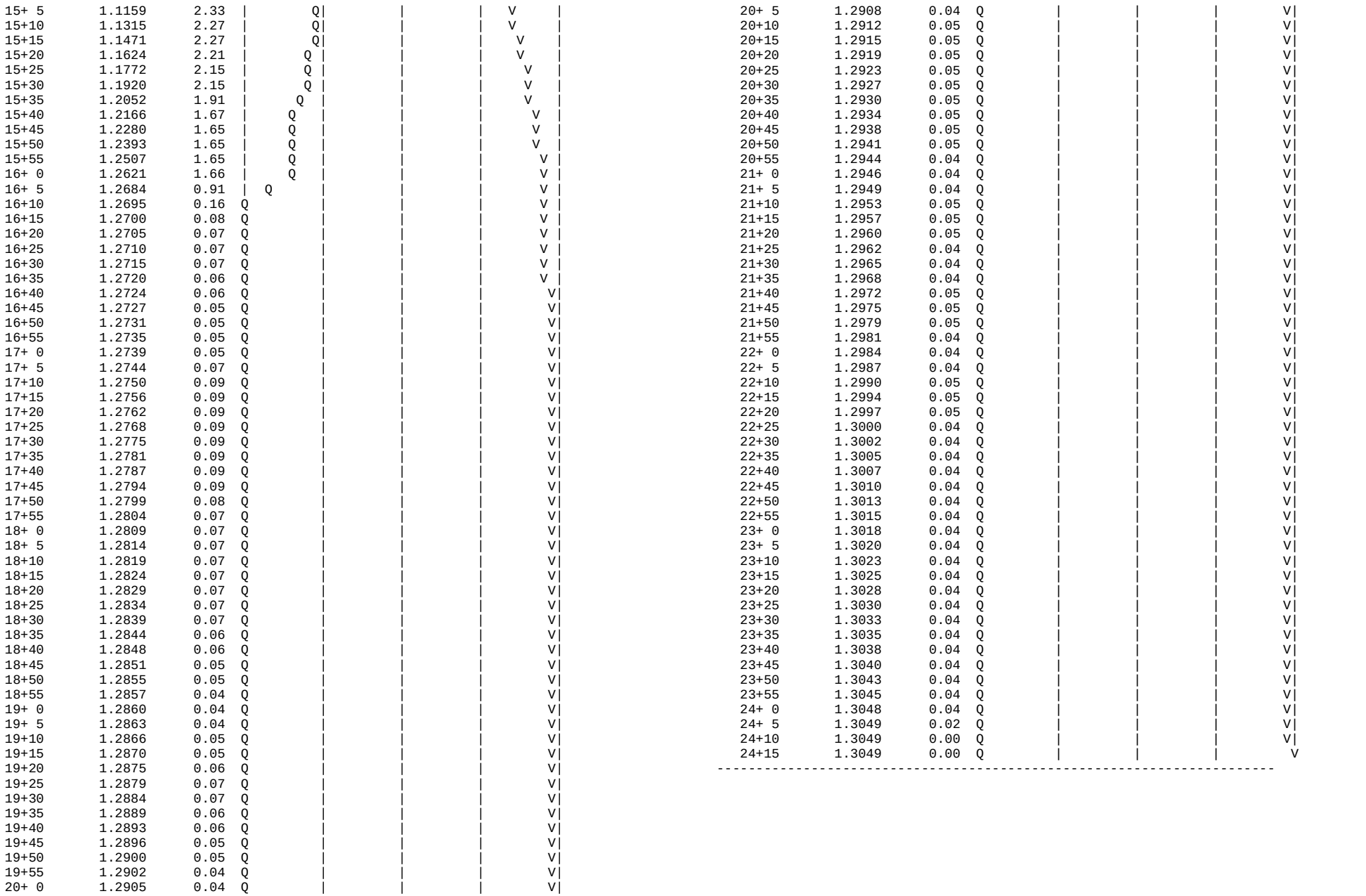
++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0004	0.03	Q				
0+15	0.0006	0.04	Q				
0+20	0.0009	0.04	Q				
0+25	0.0013	0.05	Q				
0+30	0.0017	0.05	Q				
0+35	0.0020	0.05	Q				
0+40	0.0024	0.05	Q				
0+45	0.0028	0.05	Q				
0+50	0.0032	0.06	Q				
0+55	0.0037	0.07	Q				
1+ 0	0.0042	0.07	Q				
1+ 5	0.0047	0.06	Q				
1+10	0.0050	0.06	Q				
1+15	0.0054	0.05	Q				
1+20	0.0058	0.05	Q				
1+25	0.0062	0.05	Q				
1+30	0.0065	0.05	Q				
1+35	0.0069	0.05	Q				
1+40	0.0073	0.05	Q				
1+45	0.0077	0.05	Q				
1+50	0.0081	0.06	Q				
1+55	0.0086	0.07	Q				
2+ 0	0.0091	0.07	Q				
2+ 5	0.0096	0.07	Q				
2+10	0.0101	0.07	Q				
2+15	0.0106	0.07	Q				
2+20	0.0111	0.07	Q				
2+25	0.0116	0.07	Q				
2+30	0.0121	0.07	Q				
2+35	0.0127	0.08	Q				
2+40	0.0133	0.09	Q				
2+45	0.0139	0.09	Q				
2+50	0.0145	0.09	Q				
2+55	0.0152	0.09	Q				
3+ 0	0.0158	0.09	Q				
3+ 5	0.0164	0.09	Q				
3+10	0.0171	0.09	Q				
3+15	0.0177	0.09	Q				
3+20	0.0183	0.09	Q				
3+25	0.0189	0.09	Q				
3+30	0.0196	0.09	Q				
3+35	0.0202	0.09	Q				
3+40	0.0208	0.09	Q				
3+45	0.0214	0.09	Q				
3+50	0.0221	0.10	Q				
3+55	0.0229	0.11	Q				
4+ 0	0.0236	0.11	Q				
4+ 5	0.0244	0.11	Q				
4+10	0.0251	0.11	Q				
4+15	0.0259	0.11	Q				
4+20	0.0267	0.12	Q				
4+25	0.0276	0.13	Q				
4+30	0.0284	0.13	Q				
4+35	0.0293	0.13	Q				
4+40	0.0302	0.13	Q				
4+45	0.0311	0.13	Q				
4+50	0.0320	0.14	Q				
4+55	0.0330	0.14	QV				
5+ 0	0.0340	0.15	QV				


5+ 5 0.0349 0.13 QV
5+10 0.0356 0.11 QV
5+15 0.0364 0.11 QV
5+20 0.0372 0.12 QV
5+25 0.0381 0.13 QV
5+30 0.0390 0.13 QV
5+35 0.0399 0.14 QV
5+40 0.0409 0.14 QV
5+45 0.0419 0.15 QV
5+50 0.0429 0.15 QV
5+55 0.0439 0.15 QV
6+ 0 0.0449 0.15 QV
6+ 5 0.0460 0.15 QV
6+10 0.0471 0.16 QV
6+15 0.0482 0.16 QV
6+20 0.0493 0.16 QV
6+25 0.0505 0.16 QV
6+30 0.0516 0.16 QV
6+35 0.0528 0.17 QV
6+40 0.0540 0.18 QV
6+45 0.0553 0.18 QV
6+50 0.0565 0.18 QV
6+55 0.0578 0.18 QV
7+ 0 0.0590 0.18 QV
7+ 5 0.0603 0.18 QV
7+10 0.0615 0.18 QV
7+15 0.0628 0.18 QV
7+20 0.0641 0.19 QV
7+25 0.0655 0.20 Q V
7+30 0.0669 0.20 Q V
7+35 0.0683 0.21 Q V
7+40 0.0698 0.22 Q V
7+45 0.0714 0.23 Q V
7+50 0.0735 0.30 QV
7+55 0.0760 0.37 QV
8+ 0 0.0786 0.38 QV
8+ 5 0.0821 0.51 Q
8+10 0.0865 0.64 Q
8+15 0.0910 0.66 Q
8+20 0.0956 0.66 Q
8+25 0.1002 0.67 QV
8+30 0.1048 0.68 QV
8+35 0.1100 0.74 QV
8+40 0.1155 0.81 Q
8+45 0.1212 0.82 Q
8+50 0.1273 0.89 Q
8+55 0.1339 0.96 QV
9+ 0 0.1406 0.97 QV
9+ 5 0.1482 1.10 Q
9+10 0.1566 1.23 Q
9+15 0.1652 1.25 QV
9+20 0.1743 1.32 Q
9+25 0.1838 1.38 Q
9+30 0.1934 1.39 Q
9+35 0.2035 1.46 QV
9+40 0.2140 1.53 Q
9+45 0.2246 1.54 Q
9+50 0.2357 1.61 QV
9+55 0.2473 1.68 QV
10+ 0 0.2589 1.69 QV
10+ 5 0.2676 1.27 Q V
10+10 0.2734 0.84 Q V
10+15 0.2789 0.80 Q V
10+20 0.2845 0.80 Q V
10+25 0.2900 0.81 Q V
10+30 0.2956 0.81 Q V
10+35 0.3034 1.13 Q V
10+40 0.3133 1.44 Q V
10+45 0.3235 1.48 Q V
10+50 0.3337 1.49 Q V
10+55 0.3440 1.49 Q V
11+ 0 0.3543 1.50 Q V
11+ 5 0.3642 1.44 Q V
11+10 0.3737 1.38 Q V
11+15 0.3832 1.38 Q V
11+20 0.3928 1.39 Q V
11+25 0.4024 1.39 Q V
11+30 0.4120 1.40 Q V
11+35 0.4209 1.28 Q V
11+40 0.4289 1.16 Q V
11+45 0.4368 1.16 Q V
11+50 0.4452 1.22 Q V
11+55 0.4541 1.29 Q V
12+ 0 0.4631 1.30 Q V
12+ 5 0.4750 1.73 Q V
12+10 0.4900 2.17 Q V
12+15 0.5052 2.22 Q V
12+20 0.5210 2.29 Q V
12+25 0.5373 2.36 Q V
12+30 0.5536 2.37 Q V
12+35 0.5708 2.50 Q V
12+40 0.5889 2.63 Q V
12+45 0.6071 2.64 Q V
12+50 0.6258 2.71 Q V
12+55 0.6449 2.78 Q V
13+ 0 0.6641 2.79 Q V
13+ 5 0.6855 3.10 Q V
13+10 0.7090 3.42 Q V
13+15 0.7328 3.45 Q V
13+20 0.7566 3.46 Q V
13+25 0.7805 3.47 Q V
13+30 0.8044 3.47 Q V
13+35 0.8237 2.80 Q V
13+40 0.8383 2.13 Q V
13+45 0.8525 2.06 Q V
13+50 0.8667 2.06 Q V
13+55 0.8810 2.06 Q V
14+ 0 0.8952 2.07 Q V
14+ 5 0.9112 2.32 Q V
14+10 0.9289 2.57 Q V
14+15 0.9468 2.60 Q V
14+20 0.9643 2.55 Q V
14+25 0.9815 2.49 Q V
14+30 0.9986 2.49 Q V
14+35 1.0158 2.49 Q V
14+40 1.0329 2.50 Q V
14+45 1.0502 2.50 Q V
14+50 1.0670 2.44 Q V
14+55 1.0834 2.39 Q V
15+ 0 1.0999 2.38 Q V



AREAS TRIBUTARY TO CP9

AREAS 9A, 9B, & 9C
(3HR, 6HR, & 24HR STORMS)

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  02/12/24 File: MESAP9A3100.out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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9A
2/09/24
--------------------------------------------------------------------------
Drainage Area =      20.58(Ac.)  =      0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      20.58(Ac.)  =
0.032 Sq. Mi.
Length along longest watercourse =    2336.00(Ft.)
Length along longest watercourse measured to centroid =     824.00(Ft.)
Length along longest watercourse =      0.442 Mi.
Length along longest watercourse measured to centroid =      0.156 Mi.
Difference in elevation =      24.00(Ft.)
Slope along watercourse =     54.2466 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.061 Hr.
Lag time =     3.66 Min.
25% of lag time =     0.92 Min.
40% of lag time =     1.47 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.58              0.94                   19.35

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.58              1.97                   40.54

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    10.620           92.00          0.900
     1.000           94.00          0.900
     7.060           95.00          0.900
     0.500           65.00          0.120
     0.080           77.00          0.120
     1.320           82.00          0.120
 Total Area Entered =     20.58(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.516      0.010
94.0  94.0      0.078     0.900        0.015       0.049      0.001
95.0  95.0      0.065     0.900        0.012       0.343      0.004
65.0  65.0      0.416     0.120        0.371       0.024      0.009
77.0  77.0      0.279     0.120        0.249       0.004      0.001
82.0  82.0      0.221     0.120        0.197       0.064      0.013
                                                 Sum (F) =   0.038
Area averaged mean soil loss (F) (In/Hr) =  0.038
Minimum soil loss rate ((In/Hr)) =  0.019
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.240
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        136.514         26.657             5.529
    2   0.167        273.028         55.269            11.463
    3   0.250        409.542         13.492             2.798
    4   0.333        546.055          3.316             0.688
    5   0.417        682.569          0.972             0.202
    6   0.500        819.083          0.293             0.061
                                Sum = 100.000   Sum=     20.741
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     1.30      0.307          0.038    (  0.074)       0.269
  2   0.17     1.30      0.307          0.038    (  0.074)       0.269
  3   0.25     1.10      0.260          0.038    (  0.062)       0.222
  4   0.33     1.50      0.355          0.038    (  0.085)       0.317
  5   0.42     1.50      0.355          0.038    (  0.085)       0.317
  6   0.50     1.80      0.425          0.038    (  0.102)       0.388
  7   0.58     1.50      0.355          0.038    (  0.085)       0.317
```

8	0.67	1.80	0.425	0.038	(0.102)	0.388
9	0.75	1.80	0.425	0.038	(0.102)	0.388
10	0.83	1.50	0.355	0.038	(0.085)	0.317
11	0.92	1.60	0.378	0.038	(0.091)	0.340
12	1.00	1.80	0.425	0.038	(0.102)	0.388
13	1.08	2.20	0.520	0.038	(0.125)	0.482
14	1.17	2.20	0.520	0.038	(0.125)	0.482
15	1.25	2.20	0.520	0.038	(0.125)	0.482
16	1.33	2.00	0.473	0.038	(0.113)	0.435
17	1.42	2.60	0.615	0.038	(0.148)	0.577
18	1.50	2.70	0.638	0.038	(0.153)	0.600
19	1.58	2.40	0.567	0.038	(0.136)	0.530
20	1.67	2.70	0.638	0.038	(0.153)	0.600
21	1.75	3.30	0.780	0.038	(0.187)	0.742
22	1.83	3.10	0.733	0.038	(0.176)	0.695
23	1.92	2.90	0.685	0.038	(0.165)	0.648
24	2.00	3.00	0.709	0.038	(0.170)	0.671
25	2.08	3.10	0.733	0.038	(0.176)	0.695
26	2.17	4.20	0.993	0.038	(0.238)	0.955
27	2.25	5.00	1.182	0.038	(0.284)	1.144
28	2.33	3.50	0.827	0.038	(0.199)	0.790
29	2.42	6.80	1.607	0.038	(0.386)	1.570
30	2.50	7.30	1.726	0.038	(0.414)	1.688
31	2.58	8.20	1.938	0.038	(0.465)	1.901
32	2.67	5.90	1.395	0.038	(0.335)	1.357
33	2.75	2.00	0.473	0.038	(0.113)	0.435
34	2.83	1.80	0.425	0.038	(0.102)	0.388
35	2.92	1.80	0.425	0.038	(0.102)	0.388
36	3.00	0.60	0.142	(0.038)	0.034	0.108

(Loss Rate Not Used)

Sum = 100.0 Sum = 22.3

Flood volume = Effective rainfall 1.86(In)
times area 20.6(Ac.)/[(In)/(Ft.)] = 3.2(Ac.Ft)
Total soil loss = 0.11(In)
Total soil loss = 0.194(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 138709.7 Cubic Feet
Total soil loss = 8446.7 Cubic Feet

Peak flow rate of this hydrograph = 35.338(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 10.0 20.0 30.0 40.0
0+ 5	0.0103	1.49	VQ
0+10	0.0418	4.58	V Q
0+15	0.0768	5.07	V Q
0+20	0.1129	5.24	V Q
0+25	0.1559	6.25	V Q
0+30	0.2033	6.89	V Q
0+35	0.2541	7.36	V Q
0+40	0.3034	7.16	V Q
0+45	0.3573	7.83	V Q
0+50	0.4096	7.60	V Q
0+55	0.4575	6.96	VQ
1+ 0	0.5078	7.30	VQ
1+ 5	0.5656	8.39	VQ
1+10	0.6317	9.61	V Q
1+15	0.6999	9.90	VQ
1+20	0.7668	9.72	Q
1+25	0.8356	9.98	QV
1+30	0.9156	11.61	Q
1+35	0.9972	11.86	QV
1+40	1.0770	11.59	Q V
1+45	1.1668	13.03	QV
1+50	1.2671	14.56	QV
1+55	1.3648	14.19	Q V
2+ 0	1.4595	13.75	Q V
2+ 5	1.5561	14.02	Q V
2+10	1.6646	15.76	Q V
2+15	1.8014	19.86	Q V
2+20	1.9448	20.82	Q V
2+25	2.0948	21.78	Q V
2+30	2.3053	30.57	V Q
2+35	2.5470	35.10	V Q
2+40	2.7904	35.34	Q
2+45	2.9613	24.82	Q V
2+50	3.0486	12.68	Q V
2+55	3.1122	9.23	Q V
3+ 0	3.1591	6.82	Q V
3+ 5	3.1781	2.76	Q V
3+10	3.1828	0.67	Q V
3+15	3.1840	0.18	Q V
3+20	3.1843	0.05	Q V
3+25	3.1843	0.01	Q V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/12/24 File: MESAP9A6100.out


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--------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9A
2/09/24
--------------------------------------------------------------------------
Drainage Area =      20.58(Ac.)  =      0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      20.58(Ac.)  =
0.032 Sq. Mi.
Length along longest watercourse =    2336.00(Ft.)
Length along longest watercourse measured to centroid =     824.00(Ft.)
Length along longest watercourse =      0.442 Mi.
Length along longest watercourse measured to centroid =      0.156 Mi.
Difference in elevation =      24.00(Ft.)
Slope along watercourse =     54.2466 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.061 Hr.
Lag time =     3.66 Min.
25% of lag time =     0.92 Min.
40% of lag time =     1.47 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.58              1.35                   27.78

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.58              2.78                   57.21

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    10.620           92.00          0.900
     1.000           94.00          0.900
     7.060           95.00          0.900
     0.500           65.00          0.120
     0.080           77.00          0.120
     1.320           82.00          0.120
 Total Area Entered =     20.58(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.516      0.010
94.0  94.0      0.078     0.900        0.015       0.049      0.001
95.0  95.0      0.065     0.900        0.012       0.343      0.004
65.0  65.0      0.416     0.120        0.371       0.024      0.009
77.0  77.0      0.279     0.120        0.249       0.004      0.001
82.0  82.0      0.221     0.120        0.197       0.064      0.013
                                                 Sum (F) =   0.038
Area averaged mean soil loss (F) (In/Hr) =  0.038
Minimum soil loss rate ((In/Hr)) =  0.019
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.240
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        136.514         26.657             5.529
    2   0.167        273.028         55.269            11.463
    3   0.250        409.542         13.492             2.798
    4   0.333        546.055          3.316             0.688
    5   0.417        682.569          0.972             0.202
    6   0.500        819.083          0.293             0.061
                                Sum = 100.000   Sum=     20.741
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.50      0.167          0.038    (  0.040)        0.129
  2   0.17     0.60      0.200          0.038    (  0.048)        0.162
  3   0.25     0.60      0.200          0.038    (  0.048)        0.162
  4   0.33     0.60      0.200          0.038    (  0.048)        0.162
  5   0.42     0.60      0.200          0.038    (  0.048)        0.162
  6   0.50     0.70      0.234          0.038    (  0.056)        0.196
  7   0.58     0.70      0.234          0.038    (  0.056)        0.196
```

8	0.67	0.70	0.234	0.038	(0.056)	0.196
9	0.75	0.70	0.234	0.038	(0.056)	0.196
10	0.83	0.70	0.234	0.038	(0.056)	0.196
11	0.92	0.70	0.234	0.038	(0.056)	0.196
12	1.00	0.80	0.267	0.038	(0.064)	0.229
13	1.08	0.80	0.267	0.038	(0.064)	0.229
14	1.17	0.80	0.267	0.038	(0.064)	0.229
15	1.25	0.80	0.267	0.038	(0.064)	0.229
16	1.33	0.80	0.267	0.038	(0.064)	0.229
17	1.42	0.80	0.267	0.038	(0.064)	0.229
18	1.50	0.80	0.267	0.038	(0.064)	0.229
19	1.58	0.80	0.267	0.038	(0.064)	0.229
20	1.67	0.80	0.267	0.038	(0.064)	0.229
21	1.75	0.80	0.267	0.038	(0.064)	0.229
22	1.83	0.80	0.267	0.038	(0.064)	0.229
23	1.92	0.80	0.267	0.038	(0.064)	0.229
24	2.00	0.90	0.300	0.038	(0.072)	0.262
25	2.08	0.80	0.267	0.038	(0.064)	0.229
26	2.17	0.90	0.300	0.038	(0.072)	0.262
27	2.25	0.90	0.300	0.038	(0.072)	0.262
28	2.33	0.90	0.300	0.038	(0.072)	0.262
29	2.42	0.90	0.300	0.038	(0.072)	0.262
30	2.50	0.90	0.300	0.038	(0.072)	0.262
31	2.58	0.90	0.300	0.038	(0.072)	0.262
32	2.67	0.90	0.300	0.038	(0.072)	0.262
33	2.75	1.00	0.334	0.038	(0.080)	0.296
34	2.83	1.00	0.334	0.038	(0.080)	0.296
35	2.92	1.00	0.334	0.038	(0.080)	0.296
36	3.00	1.00	0.334	0.038	(0.080)	0.296
37	3.08	1.00	0.334	0.038	(0.080)	0.296
38	3.17	1.10	0.367	0.038	(0.088)	0.329
39	3.25	1.10	0.367	0.038	(0.088)	0.329
40	3.33	1.10	0.367	0.038	(0.088)	0.329
41	3.42	1.20	0.400	0.038	(0.096)	0.362
42	3.50	1.30	0.434	0.038	(0.104)	0.396
43	3.58	1.40	0.467	0.038	(0.112)	0.429
44	3.67	1.40	0.467	0.038	(0.112)	0.429
45	3.75	1.50	0.500	0.038	(0.120)	0.463
46	3.83	1.50	0.500	0.038	(0.120)	0.463
47	3.92	1.60	0.534	0.038	(0.128)	0.496
48	4.00	1.60	0.534	0.038	(0.128)	0.496
49	4.08	1.70	0.567	0.038	(0.136)	0.529
50	4.17	1.80	0.600	0.038	(0.144)	0.563
51	4.25	1.90	0.634	0.038	(0.152)	0.596
52	4.33	2.00	0.667	0.038	(0.160)	0.629
53	4.42	2.10	0.701	0.038	(0.168)	0.663
54	4.50	2.10	0.701	0.038	(0.168)	0.663
55	4.58	2.20	0.734	0.038	(0.176)	0.696
56	4.67	2.30	0.767	0.038	(0.184)	0.729
57	4.75	2.40	0.801	0.038	(0.192)	0.763
58	4.83	2.40	0.801	0.038	(0.192)	0.763
59	4.92	2.50	0.834	0.038	(0.200)	0.796
60	5.00	2.60	0.867	0.038	(0.208)	0.830
61	5.08	3.10	1.034	0.038	(0.248)	0.996
62	5.17	3.60	1.201	0.038	(0.288)	1.163
63	5.25	3.90	1.301	0.038	(0.312)	1.263
64	5.33	4.20	1.401	0.038	(0.336)	1.363
65	5.42	4.70	1.568	0.038	(0.376)	1.530
66	5.50	5.60	1.868	0.038	(0.448)	1.830
67	5.58	1.90	0.634	0.038	(0.152)	0.596
68	5.67	0.90	0.300	0.038	(0.072)	0.262
69	5.75	0.60	0.200	0.038	(0.048)	0.162
70	5.83	0.50	0.167	0.038	(0.040)	0.129
71	5.92	0.30	0.100	(0.038)	0.024	0.076
72	6.00	0.20	0.067	(0.038)	0.016	0.051

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.7

Flood volume = Effective rainfall 2.56(In)
times area 20.6(Ac.)/[(In)/(Ft.)] = 4.4(Ac.Ft)
Total soil loss = 0.22(In)
Total soil loss = 0.384(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 190947.5 Cubic Feet
Total soil loss = 16718.8 Cubic Feet

Peak flow rate of this hydrograph = 32.654(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0049	0.71	Q	|	|	|	|
0+10	0.0213	2.38	V Q	|	|	|	|
0+15	0.0428	3.12	V Q	|	|	|	|
0+20	0.0655	3.30	V Q	|	|	|	|
0+25	0.0886	3.35	V Q	|	|	|	|
0+30	0.1131	3.55	|V Q	|	|	|	|
0+35	0.1402	3.94	|V Q	|	|	|	|
0+40	0.1679	4.03	|V Q	|	|	|	|
0+45	0.1959	4.05	|V Q	|	|	|	|
0+50	0.2238	4.06	| V Q	|	|	|	|
0+55	0.2518	4.06	| V Q	|	|	|	|
1+ 0	0.2810	4.25	| V Q	|	|	|	|
1+ 5	0.3129	4.63	| V Q	|	|	|	|
1+10	0.3454	4.72	| VQ	|	|	|	|
1+15	0.3781	4.74	| VQ	|	|	|	|
1+20	0.4108	4.75	| VQ	|	|	|	|
1+25	0.4436	4.75	| Q	|	|	|	|
1+30	0.4763	4.75	| Q	|	|	|	|
1+35	0.5090	4.75	| Q	|	|	|	|
1+40	0.5418	4.75	| Q	|	|	|	|
1+45	0.5745	4.75	| QV	|	|	|	|
1+50	0.6072	4.75	| QV	|	|	|	|
1+55	0.6400	4.75	| QV	|	|	|	|
2+ 0	0.6740	4.94	| Q V	|	|	|	|
2+ 5	0.7094	5.14	| QV	|	|	|	|
2+10	0.7440	5.03	| QV	|	|	|	|
2+15	0.7808	5.34	| Q V	|	|	|	|
2+20	0.8181	5.42	| Q V	|	|	|	|
2+25	0.8556	5.44	| Q V	|	|	|	|
2+30	0.8931	5.44	| Q V	|	|	|	|
2+35	0.9306	5.45	| Q V	|	|	|	|
2+40	0.9681	5.45	| Q V	|	|	|	|
2+45	1.0069	5.63	| Q V|	|	|	|	|
2+50	1.0483	6.01	| Q V|	|	|	|	|
2+55	1.0903	6.11	| Q V|	|	|	|	|
3+ 0	1.1326	6.13	| Q V	|	|	|	|
3+ 5	1.1748	6.14	| Q V	|	|	|	|
3+10	1.2184	6.32	| Q |V	|	|	|	|

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   3+15      1.2645     6.71  |     Q   |V        |         |         |
   3+20      1.3114     6.80  |     Q   |V        |         |         |
   3+25      1.3596     7.01  |      Q  | V       |         |         |
   3+30      1.4118     7.58  |      Q  | V       |         |         |
   3+35      1.4686     8.24  |       Q |  V      |         |         |
   3+40      1.5288     8.74  |       Q |  V      |         |         |
   3+45      1.5911     9.05  |        Q|   V     |         |         |
   3+50      1.6563     9.46  |        Q|    V    |         |         |
   3+55      1.7234     9.75  |        Q|    V    |         |         |
   4+ 0      1.7934    10.16  |         Q     V  |         |         |
   4+ 5      1.8653    10.44  |         Q      V |         |         |
   4+10      1.9413    11.03  |         |Q     V  |         |         |
   4+15      2.0219    11.70  |         |Q      V |         |         |
   4+20      2.1072    12.39  |         | Q      V|         |         |
   4+25      2.1972    13.08  |         |  Q      V         |         |
   4+30      2.2908    13.58  |         |  Q      V         |         |
   4+35      2.3865    13.89  |         |  Q      |V        |         |
   4+40      2.4863    14.49  |         |   Q     | V       |         |
   4+45      2.5907    15.16  |         |    Q    |  V      |         |
   4+50      2.6986    15.66  |         |    Q    |   V     |         |
   4+55      2.8086    15.97  |         |    Q    |    V    |         |
   5+ 0      2.9227    16.57  |         |     Q   |     V   |         |
   5+ 5      3.0465    17.98  |         |      Q  |      V  |         |
   5+10      3.1907    20.93  |         |         Q       V|         |
   5+15      3.3552    23.89  |         |          |  Q     V         |
   5+20      3.5356    26.19  |         |          |    Q   | V       |
   5+25      3.7332    28.69  |         |          |      Q |   V     |
   5+30      3.9581    32.65  |         |          |        | Q   V   |
   5+35      4.1635    29.84  |         |          |        Q|     V  |
   5+40      4.2656    14.82  |         |   Q      |         |      V |
   5+45      4.3154     7.23  |     Q   |          |         |       V|
   5+50      4.3442     4.18  |   Q     |          |         |       V|
   5+55      4.3632     2.77  | Q       |          |         |       V|
   6+ 0      4.3750     1.71  |Q        |          |         |       V|
   6+ 5      4.3814     0.93  Q         |          |         |       V|
   6+10      4.3830     0.23  Q         |          |         |       V|
   6+15      4.3834     0.06  Q         |          |         |       V|
   6+20      4.3835     0.01  Q         |          |         |       V|
   6+25      4.3836     0.00  Q         |          |         |        V
-------------------------------------------------------------------------
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                U n i t   H y d r o g r a p h   A n a l y s i s

                Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                        Study date  02/12/24 File: MESAP9A24100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9A
2/09/24
------------------------------------------------------------------------
Drainage Area =      20.58(Ac.)  =      0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      20.58(Ac.)  =
0.032 Sq. Mi.
Length along longest watercourse =    2336.00(Ft.)
Length along longest watercourse measured to centroid =     824.00(Ft.)
Length along longest watercourse =      0.442 Mi.
Length along longest watercourse measured to centroid =      0.156 Mi.
Difference in elevation =      24.00(Ft.)
Slope along watercourse =     54.2466 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.061 Hr.
Lag time =     3.66 Min.
25% of lag time =     0.92 Min.
40% of lag time =     1.47 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.58              2.45                   50.42

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       20.58              6.08                  125.13

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    10.620           92.00          0.900
     1.000           94.00          0.900
     7.060           95.00          0.900
     0.500           65.00          0.120
     0.080           77.00          0.120
     1.320           82.00          0.120
 Total Area Entered =     20.58(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.516      0.010
94.0  94.0      0.078     0.900        0.015       0.049      0.001
95.0  95.0      0.065     0.900        0.012       0.343      0.004
65.0  65.0      0.416     0.120        0.371       0.024      0.009
77.0  77.0      0.279     0.120        0.249       0.004      0.001
82.0  82.0      0.221     0.120        0.197       0.064      0.013
                                                 Sum (F) =   0.038
Area averaged mean soil loss (F) (In/Hr) =  0.038
Minimum soil loss rate ((In/Hr)) =  0.019
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.240
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        136.514         26.657             5.529
    2   0.167        273.028         55.269            11.463
    3   0.250        409.542         13.492             2.798
    4   0.333        546.055          3.316             0.688
    5   0.417        682.569          0.972             0.202
    6   0.500        819.083          0.293             0.061
                              Sum = 100.000   Sum=      20.741
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.067)      0.012        0.037
  2   0.17     0.07      0.049       (  0.067)      0.012        0.037
  3   0.25     0.07      0.049       (  0.066)      0.012        0.037
  4   0.33     0.10      0.073       (  0.066)      0.018        0.055
  5   0.42     0.10      0.073       (  0.066)      0.018        0.055
  6   0.50     0.10      0.073       (  0.066)      0.018        0.055
  7   0.58     0.10      0.073       (  0.065)      0.018        0.055
```

8	0.67	0.10	0.073	(0.065)	0.018	0.055
9	0.75	0.10	0.073	(0.065)	0.018	0.055
10	0.83	0.13	0.097	(0.065)	0.023	0.074
11	0.92	0.13	0.097	(0.064)	0.023	0.074
12	1.00	0.13	0.097	(0.064)	0.023	0.074
13	1.08	0.10	0.073	(0.064)	0.018	0.055
14	1.17	0.10	0.073	(0.064)	0.018	0.055
15	1.25	0.10	0.073	(0.063)	0.018	0.055
16	1.33	0.10	0.073	(0.063)	0.018	0.055
17	1.42	0.10	0.073	(0.063)	0.018	0.055
18	1.50	0.10	0.073	(0.063)	0.018	0.055
19	1.58	0.10	0.073	(0.062)	0.018	0.055
20	1.67	0.10	0.073	(0.062)	0.018	0.055
21	1.75	0.10	0.073	(0.062)	0.018	0.055
22	1.83	0.13	0.097	(0.062)	0.023	0.074
23	1.92	0.13	0.097	(0.061)	0.023	0.074
24	2.00	0.13	0.097	(0.061)	0.023	0.074
25	2.08	0.13	0.097	(0.061)	0.023	0.074
26	2.17	0.13	0.097	(0.061)	0.023	0.074
27	2.25	0.13	0.097	(0.060)	0.023	0.074
28	2.33	0.13	0.097	(0.060)	0.023	0.074
29	2.42	0.13	0.097	(0.060)	0.023	0.074
30	2.50	0.13	0.097	(0.060)	0.023	0.074
31	2.58	0.17	0.122	(0.059)	0.029	0.092
32	2.67	0.17	0.122	(0.059)	0.029	0.092
33	2.75	0.17	0.122	(0.059)	0.029	0.092
34	2.83	0.17	0.122	(0.059)	0.029	0.092
35	2.92	0.17	0.122	(0.058)	0.029	0.092
36	3.00	0.17	0.122	(0.058)	0.029	0.092
37	3.08	0.17	0.122	(0.058)	0.029	0.092
38	3.17	0.17	0.122	(0.058)	0.029	0.092
39	3.25	0.17	0.122	(0.058)	0.029	0.092
40	3.33	0.17	0.122	(0.057)	0.029	0.092
41	3.42	0.17	0.122	(0.057)	0.029	0.092
42	3.50	0.17	0.122	(0.057)	0.029	0.092
43	3.58	0.17	0.122	(0.057)	0.029	0.092
44	3.67	0.17	0.122	(0.056)	0.029	0.092
45	3.75	0.17	0.122	(0.056)	0.029	0.092
46	3.83	0.20	0.146	(0.056)	0.035	0.111
47	3.92	0.20	0.146	(0.056)	0.035	0.111
48	4.00	0.20	0.146	(0.055)	0.035	0.111
49	4.08	0.20	0.146	(0.055)	0.035	0.111
50	4.17	0.20	0.146	(0.055)	0.035	0.111
51	4.25	0.20	0.146	(0.055)	0.035	0.111
52	4.33	0.23	0.170	(0.054)	0.041	0.129
53	4.42	0.23	0.170	(0.054)	0.041	0.129
54	4.50	0.23	0.170	(0.054)	0.041	0.129
55	4.58	0.23	0.170	(0.054)	0.041	0.129
56	4.67	0.23	0.170	(0.054)	0.041	0.129
57	4.75	0.23	0.170	(0.053)	0.041	0.129
58	4.83	0.27	0.195	(0.053)	0.047	0.148
59	4.92	0.27	0.195	(0.053)	0.047	0.148
60	5.00	0.27	0.195	(0.053)	0.047	0.148
61	5.08	0.20	0.146	(0.052)	0.035	0.111
62	5.17	0.20	0.146	(0.052)	0.035	0.111
63	5.25	0.20	0.146	(0.052)	0.035	0.111
64	5.33	0.23	0.170	(0.052)	0.041	0.129
65	5.42	0.23	0.170	(0.051)	0.041	0.129
66	5.50	0.23	0.170	(0.051)	0.041	0.129
67	5.58	0.27	0.195	(0.051)	0.047	0.148
68	5.67	0.27	0.195	(0.051)	0.047	0.148
69	5.75	0.27	0.195	(0.051)	0.047	0.148
70	5.83	0.27	0.195	(0.050)	0.047	0.148
71	5.92	0.27	0.195	(0.050)	0.047	0.148
72	6.00	0.27	0.195	(0.050)	0.047	0.148
73	6.08	0.30	0.219	0.050	(0.053)	0.169
74	6.17	0.30	0.219	0.049	(0.053)	0.169
75	6.25	0.30	0.219	0.049	(0.053)	0.170
76	6.33	0.30	0.219	0.049	(0.053)	0.170
77	6.42	0.30	0.219	0.049	(0.053)	0.170
78	6.50	0.30	0.219	0.049	(0.053)	0.170
79	6.58	0.33	0.243	0.048	(0.058)	0.195
80	6.67	0.33	0.243	0.048	(0.058)	0.195
81	6.75	0.33	0.243	0.048	(0.058)	0.195
82	6.83	0.33	0.243	0.048	(0.058)	0.195
83	6.92	0.33	0.243	0.047	(0.058)	0.196
84	7.00	0.33	0.243	0.047	(0.058)	0.196
85	7.08	0.33	0.243	0.047	(0.058)	0.196
86	7.17	0.33	0.243	0.047	(0.058)	0.196
87	7.25	0.33	0.243	0.047	(0.058)	0.197
88	7.33	0.37	0.268	0.046	(0.064)	0.221
89	7.42	0.37	0.268	0.046	(0.064)	0.221
90	7.50	0.37	0.268	0.046	(0.064)	0.222
91	7.58	0.40	0.292	0.046	(0.070)	0.246
92	7.67	0.40	0.292	0.046	(0.070)	0.246
93	7.75	0.40	0.292	0.045	(0.070)	0.246
94	7.83	0.43	0.316	0.045	(0.076)	0.271
95	7.92	0.43	0.316	0.045	(0.076)	0.271
96	8.00	0.43	0.316	0.045	(0.076)	0.271
97	8.08	0.50	0.365	0.045	(0.088)	0.320
98	8.17	0.50	0.365	0.044	(0.088)	0.320
99	8.25	0.50	0.365	0.044	(0.088)	0.321
100	8.33	0.50	0.365	0.044	(0.088)	0.321
101	8.42	0.50	0.365	0.044	(0.088)	0.321
102	8.50	0.50	0.365	0.043	(0.088)	0.321
103	8.58	0.53	0.389	0.043	(0.093)	0.346
104	8.67	0.53	0.389	0.043	(0.093)	0.346
105	8.75	0.53	0.389	0.043	(0.093)	0.346
106	8.83	0.57	0.413	0.043	(0.099)	0.371
107	8.92	0.57	0.413	0.042	(0.099)	0.371
108	9.00	0.57	0.413	0.042	(0.099)	0.371
109	9.08	0.63	0.462	0.042	(0.111)	0.420
110	9.17	0.63	0.462	0.042	(0.111)	0.420
111	9.25	0.63	0.462	0.042	(0.111)	0.420
112	9.33	0.67	0.486	0.041	(0.117)	0.445
113	9.42	0.67	0.486	0.041	(0.117)	0.445
114	9.50	0.67	0.486	0.041	(0.117)	0.445
115	9.58	0.70	0.511	0.041	(0.123)	0.470
116	9.67	0.70	0.511	0.041	(0.123)	0.470
117	9.75	0.70	0.511	0.040	(0.123)	0.470
118	9.83	0.73	0.535	0.040	(0.128)	0.495
119	9.92	0.73	0.535	0.040	(0.128)	0.495
120	10.00	0.73	0.535	0.040	(0.128)	0.495
121	10.08	0.50	0.365	0.040	(0.088)	0.325
122	10.17	0.50	0.365	0.040	(0.088)	0.325
123	10.25	0.50	0.365	0.039	(0.088)	0.325
124	10.33	0.50	0.365	0.039	(0.088)	0.326
125	10.42	0.50	0.365	0.039	(0.088)	0.326
126	10.50	0.50	0.365	0.039	(0.088)	0.326
127	10.58	0.67	0.486	0.039	(0.117)	0.448
128	10.67	0.67	0.486	0.038	(0.117)	0.448
129	10.75	0.67	0.486	0.038	(0.117)	0.448
130	10.83	0.67	0.486	0.038	(0.117)	0.448
131	10.92	0.67	0.486	0.038	(0.117)	0.449

132	11.00	0.67	0.486	0.038	(0.117)	0.449
133	11.08	0.63	0.462	0.037	(0.111)	0.425
134	11.17	0.63	0.462	0.037	(0.111)	0.425
135	11.25	0.63	0.462	0.037	(0.111)	0.425
136	11.33	0.63	0.462	0.037	(0.111)	0.425
137	11.42	0.63	0.462	0.037	(0.111)	0.425
138	11.50	0.63	0.462	0.037	(0.111)	0.426
139	11.58	0.57	0.413	0.036	(0.099)	0.377
140	11.67	0.57	0.413	0.036	(0.099)	0.377
141	11.75	0.57	0.413	0.036	(0.099)	0.377
142	11.83	0.60	0.438	0.036	(0.105)	0.402
143	11.92	0.60	0.438	0.036	(0.105)	0.402
144	12.00	0.60	0.438	0.035	(0.105)	0.402
145	12.08	0.83	0.608	0.035	(0.146)	0.573
146	12.17	0.83	0.608	0.035	(0.146)	0.573
147	12.25	0.83	0.608	0.035	(0.146)	0.573
148	12.33	0.87	0.632	0.035	(0.152)	0.598
149	12.42	0.87	0.632	0.035	(0.152)	0.598
150	12.50	0.87	0.632	0.034	(0.152)	0.598
151	12.58	0.93	0.681	0.034	(0.163)	0.647
152	12.67	0.93	0.681	0.034	(0.163)	0.647
153	12.75	0.93	0.681	0.034	(0.163)	0.647
154	12.83	0.97	0.705	0.034	(0.169)	0.672
155	12.92	0.97	0.705	0.034	(0.169)	0.672
156	13.00	0.97	0.705	0.033	(0.169)	0.672
157	13.08	1.13	0.827	0.033	(0.198)	0.794
158	13.17	1.13	0.827	0.033	(0.198)	0.794
159	13.25	1.13	0.827	0.033	(0.198)	0.794
160	13.33	1.13	0.827	0.033	(0.198)	0.794
161	13.42	1.13	0.827	0.033	(0.198)	0.794
162	13.50	1.13	0.827	0.032	(0.198)	0.794
163	13.58	0.77	0.559	0.032	(0.134)	0.527
164	13.67	0.77	0.559	0.032	(0.134)	0.527
165	13.75	0.77	0.559	0.032	(0.134)	0.527
166	13.83	0.77	0.559	0.032	(0.134)	0.528
167	13.92	0.77	0.559	0.032	(0.134)	0.528
168	14.00	0.77	0.559	0.031	(0.134)	0.528
169	14.08	0.90	0.657	0.031	(0.158)	0.625
170	14.17	0.90	0.657	0.031	(0.158)	0.626
171	14.25	0.90	0.657	0.031	(0.158)	0.626
172	14.33	0.87	0.632	0.031	(0.152)	0.602
173	14.42	0.87	0.632	0.031	(0.152)	0.602
174	14.50	0.87	0.632	0.030	(0.152)	0.602
175	14.58	0.87	0.632	0.030	(0.152)	0.602
176	14.67	0.87	0.632	0.030	(0.152)	0.602
177	14.75	0.87	0.632	0.030	(0.152)	0.602
178	14.83	0.83	0.608	0.030	(0.146)	0.578
179	14.92	0.83	0.608	0.030	(0.146)	0.578
180	15.00	0.83	0.608	0.030	(0.146)	0.578
181	15.08	0.80	0.584	0.029	(0.140)	0.554
182	15.17	0.80	0.584	0.029	(0.140)	0.554
183	15.25	0.80	0.584	0.029	(0.140)	0.555
184	15.33	0.77	0.559	0.029	(0.134)	0.530
185	15.42	0.77	0.559	0.029	(0.134)	0.531
186	15.50	0.77	0.559	0.029	(0.134)	0.531
187	15.58	0.63	0.462	0.028	(0.111)	0.434
188	15.67	0.63	0.462	0.028	(0.111)	0.434
189	15.75	0.63	0.462	0.028	(0.111)	0.434
190	15.83	0.63	0.462	0.028	(0.111)	0.434
191	15.92	0.63	0.462	0.028	(0.111)	0.434
192	16.00	0.63	0.462	0.028	(0.111)	0.434
193	16.08	0.13	0.097	(0.028)	0.023	0.074
194	16.17	0.13	0.097	(0.027)	0.023	0.074
195	16.25	0.13	0.097	(0.027)	0.023	0.074
196	16.33	0.13	0.097	(0.027)	0.023	0.074
197	16.42	0.13	0.097	(0.027)	0.023	0.074
198	16.50	0.13	0.097	(0.027)	0.023	0.074
199	16.58	0.10	0.073	(0.027)	0.018	0.055
200	16.67	0.10	0.073	(0.027)	0.018	0.055
201	16.75	0.10	0.073	(0.027)	0.018	0.055
202	16.83	0.10	0.073	(0.026)	0.018	0.055
203	16.92	0.10	0.073	(0.026)	0.018	0.055
204	17.00	0.10	0.073	(0.026)	0.018	0.055
205	17.08	0.17	0.122	0.026	(0.029)	0.096
206	17.17	0.17	0.122	0.026	(0.029)	0.096
207	17.25	0.17	0.122	0.026	(0.029)	0.096
208	17.33	0.17	0.122	0.026	(0.029)	0.096
209	17.42	0.17	0.122	0.025	(0.029)	0.096
210	17.50	0.17	0.122	0.025	(0.029)	0.096
211	17.58	0.17	0.122	0.025	(0.029)	0.096
212	17.67	0.17	0.122	0.025	(0.029)	0.097
213	17.75	0.17	0.122	0.025	(0.029)	0.097
214	17.83	0.13	0.097	(0.025)	0.023	0.074
215	17.92	0.13	0.097	(0.025)	0.023	0.074
216	18.00	0.13	0.097	(0.025)	0.023	0.074
217	18.08	0.13	0.097	(0.024)	0.023	0.074
218	18.17	0.13	0.097	(0.024)	0.023	0.074
219	18.25	0.13	0.097	(0.024)	0.023	0.074
220	18.33	0.13	0.097	(0.024)	0.023	0.074
221	18.42	0.13	0.097	(0.024)	0.023	0.074
222	18.50	0.13	0.097	(0.024)	0.023	0.074
223	18.58	0.10	0.073	(0.024)	0.018	0.055
224	18.67	0.10	0.073	(0.024)	0.018	0.055
225	18.75	0.10	0.073	(0.024)	0.018	0.055
226	18.83	0.07	0.049	(0.023)	0.012	0.037
227	18.92	0.07	0.049	(0.023)	0.012	0.037
228	19.00	0.07	0.049	(0.023)	0.012	0.037
229	19.08	0.10	0.073	(0.023)	0.018	0.055
230	19.17	0.10	0.073	(0.023)	0.018	0.055
231	19.25	0.10	0.073	(0.023)	0.018	0.055
232	19.33	0.13	0.097	0.023	(0.023)	0.075
233	19.42	0.13	0.097	0.023	(0.023)	0.075
234	19.50	0.13	0.097	0.023	(0.023)	0.075
235	19.58	0.10	0.073	(0.022)	0.018	0.055
236	19.67	0.10	0.073	(0.022)	0.018	0.055
237	19.75	0.10	0.073	(0.022)	0.018	0.055
238	19.83	0.07	0.049	(0.022)	0.012	0.037
239	19.92	0.07	0.049	(0.022)	0.012	0.037
240	20.00	0.07	0.049	(0.022)	0.012	0.037
241	20.08	0.10	0.073	(0.022)	0.018	0.055
242	20.17	0.10	0.073	(0.022)	0.018	0.055
243	20.25	0.10	0.073	(0.022)	0.018	0.055
244	20.33	0.10	0.073	(0.022)	0.018	0.055
245	20.42	0.10	0.073	(0.021)	0.018	0.055
246	20.50	0.10	0.073	(0.021)	0.018	0.055
247	20.58	0.10	0.073	(0.021)	0.018	0.055
248	20.67	0.10	0.073	(0.021)	0.018	0.055
249	20.75	0.10	0.073	(0.021)	0.018	0.055
250	20.83	0.07	0.049	(0.021)	0.012	0.037
251	20.92	0.07	0.049	(0.021)	0.012	0.037
252	21.00	0.07	0.049	(0.021)	0.012	0.037
253	21.08	0.10	0.073	(0.021)	0.018	0.055
254	21.17	0.10	0.073	(0.021)	0.018	0.055
255	21.25	0.10	0.073	(0.021)	0.018	0.055

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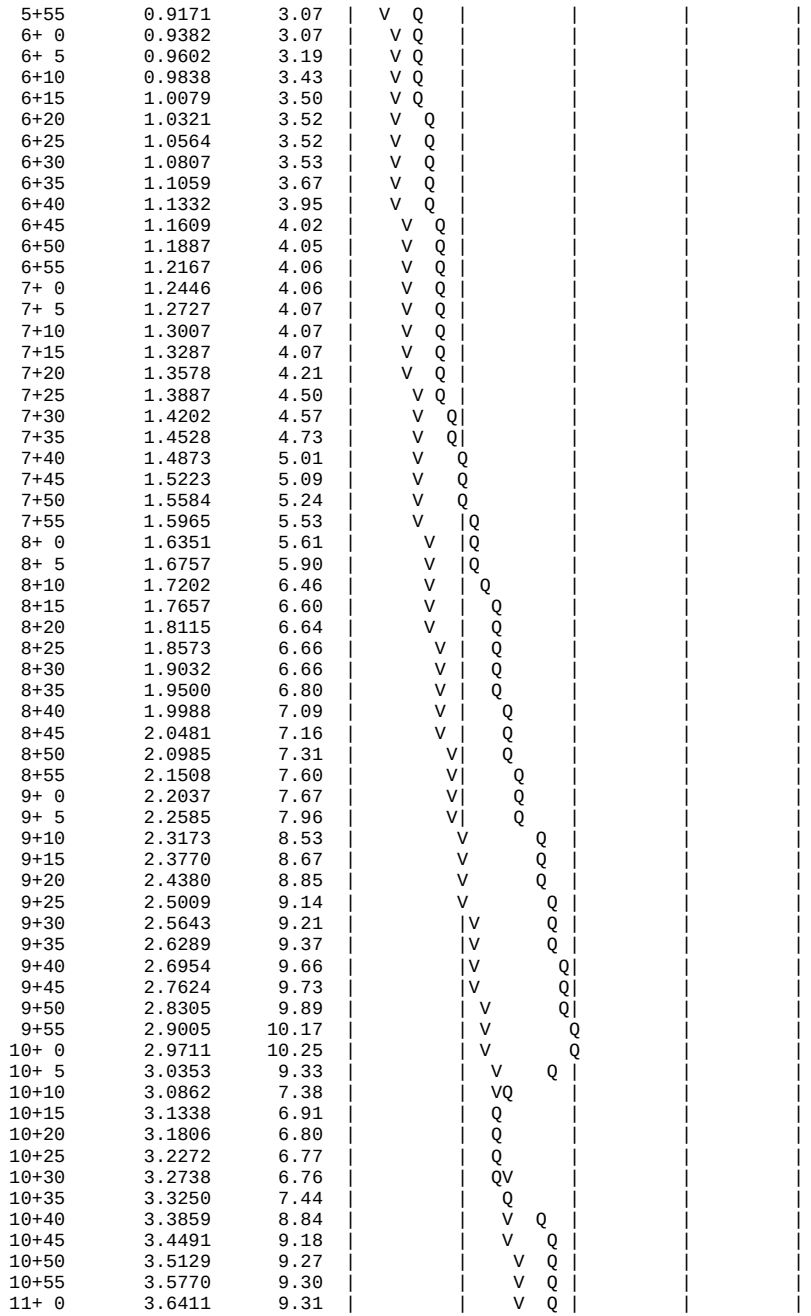
256  21.33     0.07      0.049       (  0.021)       0.012        0.037
257  21.42     0.07      0.049       (  0.020)       0.012        0.037
258  21.50     0.07      0.049       (  0.020)       0.012        0.037
259  21.58     0.10      0.073       (  0.020)       0.018        0.055
260  21.67     0.10      0.073       (  0.020)       0.018        0.055
261  21.75     0.10      0.073       (  0.020)       0.018        0.055
262  21.83     0.07      0.049       (  0.020)       0.012        0.037
263  21.92     0.07      0.049       (  0.020)       0.012        0.037
264  22.00     0.07      0.049       (  0.020)       0.012        0.037
265  22.08     0.10      0.073       (  0.020)       0.018        0.055
266  22.17     0.10      0.073       (  0.020)       0.018        0.055
267  22.25     0.10      0.073       (  0.020)       0.018        0.055
268  22.33     0.07      0.049       (  0.020)       0.012        0.037
269  22.42     0.07      0.049       (  0.020)       0.012        0.037
270  22.50     0.07      0.049       (  0.020)       0.012        0.037
271  22.58     0.07      0.049       (  0.020)       0.012        0.037
272  22.67     0.07      0.049       (  0.019)       0.012        0.037
273  22.75     0.07      0.049       (  0.019)       0.012        0.037
274  22.83     0.07      0.049       (  0.019)       0.012        0.037
275  22.92     0.07      0.049       (  0.019)       0.012        0.037
276  23.00     0.07      0.049       (  0.019)       0.012        0.037
277  23.08     0.07      0.049       (  0.019)       0.012        0.037
278  23.17     0.07      0.049       (  0.019)       0.012        0.037
279  23.25     0.07      0.049       (  0.019)       0.012        0.037
280  23.33     0.07      0.049       (  0.019)       0.012        0.037
281  23.42     0.07      0.049       (  0.019)       0.012        0.037
282  23.50     0.07      0.049       (  0.019)       0.012        0.037
283  23.58     0.07      0.049       (  0.019)       0.012        0.037
284  23.67     0.07      0.049       (  0.019)       0.012        0.037
285  23.75     0.07      0.049       (  0.019)       0.012        0.037
286  23.83     0.07      0.049       (  0.019)       0.012        0.037
287  23.92     0.07      0.049       (  0.019)       0.012        0.037
288  24.00     0.07      0.049       (  0.019)       0.012        0.037
               (Loss Rate Not Used)
    Sum =     100.0                                 Sum =    64.6
       Flood volume = Effective rainfall      5.39(In)
        times area      20.6(Ac.)/[(In)/(Ft.)] =       9.2(Ac.Ft)
       Total soil loss =      0.69(In)
       Total soil loss =     1.189(Ac.Ft)
       Total rainfall =      6.08(In)
       Flood volume =      402416.8 Cubic Feet
       Total soil loss =       51773.8 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =     16.483(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
 ----------------------------------------------------------------------
   0+ 5       0.0014      0.20  Q        |         |         |         |
   0+10       0.0057      0.63  VQ       |         |         |         |
   0+15       0.0108      0.73  VQ       |         |         |         |
   0+20       0.0167      0.86  VQ       |         |         |         |
   0+25       0.0241      1.08  V Q      |         |         |         |
   0+30       0.0319      1.13  V Q      |         |         |         |
   0+35       0.0398      1.15  V Q      |         |         |         |
   0+40       0.0477      1.15  V Q      |         |         |         |
   0+45       0.0557      1.15  V Q      |         |         |         |
   0+50       0.0643      1.25  V Q      |         |         |         |
   0+55       0.0744      1.46  V Q      |         |         |         |
   1+ 0       0.0848      1.52  V  Q     |         |         |         |
   1+ 5       0.0947      1.43  V Q      |         |         |         |
   1+10       0.1030      1.22  V Q      |         |         |         |
   1+15       0.1111      1.17  V Q      |         |         |         |
   1+20       0.1191      1.16  V Q      |         |         |         |
   1+25       0.1270      1.15  V Q      |         |         |         |
   1+30       0.1349      1.15  V Q      |         |         |         |
   1+35       0.1428      1.15  V Q      |         |         |         |
   1+40       0.1508      1.15  V Q      |         |         |         |
   1+45       0.1587      1.15  V Q      |         |         |         |
   1+50       0.1673      1.25  V Q      |         |         |         |
   1+55       0.1774      1.46  V Q      |         |         |         |
   2+ 0       0.1878      1.52  V  Q     |         |         |         |
   2+ 5       0.1984      1.53  V  Q     |         |         |         |
   2+10       0.2089      1.53  V  Q     |         |         |         |
   2+15       0.2195      1.53  V  Q     |         |         |         |
   2+20       0.2301      1.53  V  Q     |         |         |         |
   2+25       0.2406      1.53  |V Q     |         |         |         |
   2+30       0.2512      1.53  |V Q     |         |         |         |
   2+35       0.2625      1.64  |V Q     |         |         |         |
   2+40       0.2752      1.85  |V Q     |         |         |         |
   2+45       0.2883      1.90  |V Q     |         |         |         |
   2+50       0.3015      1.91  |V Q     |         |         |         |
   2+55       0.3147      1.92  |V Q     |         |         |         |
   3+ 0       0.3279      1.92  |V Q     |         |         |         |
   3+ 5       0.3411      1.92  |V Q     |         |         |         |
   3+10       0.3543      1.92  |V Q     |         |         |         |
   3+15       0.3675      1.92  |V Q     |         |         |         |
   3+20       0.3807      1.92  |V Q     |         |         |         |
   3+25       0.3939      1.92  |V Q     |         |         |         |
   3+30       0.4071      1.92  |V Q     |         |         |         |
   3+35       0.4203      1.92  |V Q     |         |         |         |
   3+40       0.4335      1.92  |V Q     |         |         |         |
   3+45       0.4467      1.92  |V Q     |         |         |         |
   3+50       0.4606      2.02  |V  Q    |         |         |         |
   3+55       0.4760      2.23  | V Q    |         |         |         |
   4+ 0       0.4917      2.28  | V Q    |         |         |         |
   4+ 5       0.5076      2.30  | V Q    |         |         |         |
   4+10       0.5234      2.30  | V Q    |         |         |         |
   4+15       0.5392      2.30  | V Q    |         |         |         |
   4+20       0.5558      2.40  | V Q    |         |         |         |
   4+25       0.5738      2.62  | V  Q   |         |         |         |
   4+30       0.5922      2.67  | V  Q   |         |         |         |
   4+35       0.6106      2.68  | V  Q   |         |         |         |
   4+40       0.6291      2.68  | V  Q   |         |         |         |
   4+45       0.6476      2.68  | V  Q   |         |         |         |
   4+50       0.6668      2.79  | V  Q   |         |         |         |
   4+55       0.6875      3.00  | V  Q   |         |         |         |
   5+ 0       0.7085      3.05  |  V  Q  |         |         |         |
   5+ 5       0.7282      2.86  |  V Q   |         |         |         |
   5+10       0.7450      2.44  |  VQ    |         |         |         |
   5+15       0.7610      2.34  |  VQ    |         |         |         |
   5+20       0.7777      2.41  |  VQ    |         |         |         |
   5+25       0.7957      2.62  |  V Q   |         |         |         |
   5+30       0.8141      2.67  |  V Q   |         |         |         |
   5+35       0.8332      2.78  |  V Q   |         |         |         |
   5+40       0.8539      3.00  |  V Q   |         |         |         |
   5+45       0.8749      3.05  |  V  Q  |         |         |         |
   5+50       0.8960      3.06  |  V  Q  |         |         |         |
```



5+55	0.9171	3.07	
6+ 0	0.9382	3.07	
6+ 5	0.9602	3.19	
6+10	0.9838	3.43	
6+15	1.0079	3.50	
6+20	1.0321	3.52	
6+25	1.0564	3.52	
6+30	1.0807	3.53	
6+35	1.1059	3.67	
6+40	1.1332	3.95	
6+45	1.1609	4.02	
6+50	1.1887	4.05	
6+55	1.2167	4.06	
7+ 0	1.2446	4.06	
7+ 5	1.2727	4.07	
7+10	1.3007	4.07	
7+15	1.3287	4.07	
7+20	1.3578	4.21	
7+25	1.3887	4.50	
7+30	1.4202	4.57	
7+35	1.4528	4.73	
7+40	1.4873	5.01	
7+45	1.5223	5.09	
7+50	1.5584	5.24	
7+55	1.5965	5.53	
8+ 0	1.6351	5.61	
8+ 5	1.6757	5.90	
8+10	1.7202	6.46	
8+15	1.7657	6.60	
8+20	1.8115	6.64	
8+25	1.8573	6.66	
8+30	1.9032	6.66	
8+35	1.9500	6.80	
8+40	1.9988	7.09	
8+45	2.0481	7.16	
8+50	2.0985	7.31	
8+55	2.1508	7.60	
9+ 0	2.2037	7.67	
9+ 5	2.2585	7.96	
9+10	2.3173	8.53	
9+15	2.3770	8.67	
9+20	2.4380	8.85	
9+25	2.5009	9.14	
9+30	2.5643	9.21	
9+35	2.6289	9.37	
9+40	2.6954	9.66	
9+45	2.7624	9.73	
9+50	2.8305	9.89	
9+55	2.9005	10.17	
10+ 0	2.9711	10.25	
10+ 5	3.0353	9.33	
10+10	3.0862	7.38	
10+15	3.1338	6.91	
10+20	3.1806	6.80	
10+25	3.2272	6.77	
10+30	3.2738	6.76	
10+35	3.3250	7.44	
10+40	3.3859	8.84	
10+45	3.4491	9.18	
10+50	3.5129	9.27	
10+55	3.5770	9.30	
11+ 0	3.6411	9.31	
11+ 5	3.7043	9.18	
11+10	3.7656	8.90	
11+15	3.8265	8.84	
11+20	3.8872	8.83	
11+25	3.9480	8.82	
11+30	4.0088	8.83	
11+35	4.0678	8.56	
11+40	4.1229	8.01	
11+45	4.1772	7.87	
11+50	4.2321	7.98	
11+55	4.2889	8.25	
12+ 0	4.3463	8.32	
12+ 5	4.4102	9.28	
12+10	4.4876	11.24	
12+15	4.5684	11.73	
12+20	4.6509	11.98	
12+25	4.7356	12.30	
12+30	4.8209	12.38	
12+35	4.9081	12.67	
12+40	4.9993	13.24	
12+45	5.0914	13.38	
12+50	5.1847	13.55	
12+55	5.2801	13.84	
13+ 0	5.3759	13.92	
13+ 5	5.4765	14.61	
13+10	5.5868	16.01	
13+15	5.6994	16.36	
13+20	5.8127	16.44	
13+25	5.9261	16.47	
13+30	6.0397	16.48	
13+35	6.1430	15.01	
13+40	6.2253	11.94	
13+45	6.3024	11.20	
13+50	6.3782	11.02	
13+55	6.4538	10.97	
14+ 0	6.5292	10.95	
14+ 5	6.6083	11.49	
14+10	6.6952	12.61	
14+15	6.7840	12.89	
14+20	6.8723	12.82	
14+25	6.9588	12.57	
14+30	7.0450	12.51	
14+35	7.1311	12.50	
14+40	7.2171	12.49	
14+45	7.3032	12.50	
14+50	7.3883	12.36	
14+55	7.4716	12.09	
15+ 0	7.5544	12.02	
15+ 5	7.6362	11.88	
15+10	7.7160	11.60	
15+15	7.7954	11.53	
15+20	7.8738	11.38	
15+25	7.9503	11.10	
15+30	8.0262	11.03	
15+35	8.0984	10.48	
15+40	8.1629	9.36	
15+45	8.2255	9.09	
15+50	8.2877	9.03	
15+55	8.3498	9.01	
16+ 0	8.4118	9.01	
16+ 5	8.4602	7.02	
16+10	8.4801	2.89	

```
16+15      8.4930     1.88  |  Q      |         |         |     V   |
16+20      8.5042     1.63  |  Q      |         |         |     V   |
16+25      8.5149     1.56  |  Q      |         |         |     V   |
16+30      8.5255     1.53  |  Q      |         |         |     V   |
16+35      8.5353     1.43  | Q       |         |         |     V   |
16+40      8.5437     1.22  | Q       |         |         |     V   |
16+45      8.5518     1.17  | Q       |         |         |      V  |
16+50      8.5597     1.16  | Q       |         |         |      V  |
16+55      8.5677     1.15  | Q       |         |         |      V  |
17+ 0      8.5756     1.15  | Q       |         |         |      V  |
17+ 5      8.5851     1.37  | Q       |         |         |      V  |
17+10      8.5977     1.83  |  Q      |         |         |      V  |
17+15      8.6111     1.95  |  Q      |         |         |      V  |
17+20      8.6247     1.98  |  Q      |         |         |      V  |
17+25      8.6385     1.99  |  Q      |         |         |      V  |
17+30      8.6522     2.00  |  Q      |         |         |      V  |
17+35      8.6659     2.00  |  Q      |         |         |      V  |
17+40      8.6797     2.00  |   Q     |         |         |      V  |
17+45      8.6935     2.00  |   Q     |         |         |      V  |
17+50      8.7065     1.88  |  Q      |         |         |      V  |
17+55      8.7176     1.62  |  Q      |         |         |      V  |
18+ 0      8.7283     1.56  |  Q      |         |         |      V  |
18+ 5      8.7389     1.54  |  Q      |         |         |      V  |
18+10      8.7495     1.54  |  Q      |         |         |      V  |
18+15      8.7601     1.53  |  Q      |         |         |      V  |
18+20      8.7706     1.53  |  Q      |         |         |      V  |
18+25      8.7812     1.53  |  Q      |         |         |       V |
18+30      8.7918     1.53  |  Q      |         |         |       V |
18+35      8.8016     1.43  | Q       |         |         |       V |
18+40      8.8100     1.22  | Q       |         |         |       V |
18+45      8.8181     1.17  | Q       |         |         |       V |
18+50      8.8253     1.05  | Q       |         |         |       V |
18+55      8.8311     0.84  |Q        |         |         |       V |
19+ 0      8.8365     0.78  |Q        |         |         |       V |
19+ 5      8.8425     0.87  |Q        |         |         |       V |
19+10      8.8500     1.08  | Q       |         |         |       V |
19+15      8.8578     1.13  | Q       |         |         |       V |
19+20      8.8664     1.25  | Q       |         |         |       V |
19+25      8.8766     1.47  | Q       |         |         |       V |
19+30      8.8871     1.53  |  Q      |         |         |       V |
19+35      8.8970     1.44  | Q       |         |         |       V |
19+40      8.9054     1.22  | Q       |         |         |       V |
19+45      8.9135     1.17  | Q       |         |         |       V |
19+50      8.9207     1.05  | Q       |         |         |       V |
19+55      8.9265     0.84  |Q        |         |         |       V |
20+ 0      8.9319     0.78  |Q        |         |         |       V |
20+ 5      8.9379     0.87  |Q        |         |         |       V |
20+10      8.9454     1.08  | Q       |         |         |       V |
20+15      8.9532     1.13  | Q       |         |         |       V |
20+20      8.9611     1.15  | Q       |         |         |       V |
20+25      8.9690     1.15  | Q       |         |         |       V |
20+30      8.9769     1.15  | Q       |         |         |       V |
20+35      8.9848     1.15  | Q       |         |         |       V |
20+40      8.9928     1.15  | Q       |         |         |       V |
20+45      9.0007     1.15  | Q       |         |         |       V |
20+50      9.0079     1.05  | Q       |         |         |        V|
20+55      9.0137     0.84  |Q        |         |         |        V|
21+ 0      9.0191     0.78  |Q        |         |         |        V|
21+ 5      9.0251     0.87  |Q        |         |         |        V|
21+10      9.0325     1.08  | Q       |         |         |        V|
21+15      9.0403     1.13  | Q       |         |         |        V|
21+20      9.0475     1.04  | Q       |         |         |        V|
21+25      9.0533     0.84  |Q        |         |         |        V|
21+30      9.0587     0.78  |Q        |         |         |        V|
21+35      9.0647     0.87  |Q        |         |         |        V|
21+40      9.0722     1.08  | Q       |         |         |        V|
21+45      9.0800     1.13  | Q       |         |         |        V|
21+50      9.0872     1.04  | Q       |         |         |        V|
21+55      9.0929     0.84  |Q        |         |         |        V|
22+ 0      9.0983     0.78  |Q        |         |         |        V|
22+ 5      9.1043     0.87  |Q        |         |         |        V|
22+10      9.1118     1.08  | Q       |         |         |        V|
22+15      9.1196     1.13  | Q       |         |         |        V|
22+20      9.1268     1.04  | Q       |         |         |        V|
22+25      9.1325     0.84  |Q        |         |         |        V|
22+30      9.1379     0.78  |Q        |         |         |        V|
22+35      9.1432     0.77  |Q        |         |         |        V|
22+40      9.1485     0.77  |Q        |         |         |        V|
22+45      9.1538     0.77  |Q        |         |         |        V|
22+50      9.1591     0.77  |Q        |         |         |        V|
22+55      9.1644     0.77  |Q        |         |         |        V|
23+ 0      9.1697     0.77  |Q        |         |         |        V|
23+ 5      9.1750     0.77  |Q        |         |         |        V|
23+10      9.1802     0.77  |Q        |         |         |        V|
23+15      9.1855     0.77  |Q        |         |         |        V|
23+20      9.1908     0.77  |Q        |         |         |        V|
23+25      9.1961     0.77  |Q        |         |         |        V|
23+30      9.2014     0.77  |Q        |         |         |        V|
23+35      9.2066     0.77  |Q        |         |         |        V|
23+40      9.2119     0.77  |Q        |         |         |        V|
23+45      9.2172     0.77  |Q        |         |         |        V|
23+50      9.2225     0.77  |Q        |         |         |        V|
23+55      9.2278     0.77  |Q        |         |         |        V|
24+ 0      9.2331     0.77  |Q        |         |         |        V|
24+ 5      9.2369     0.56  |Q        |         |         |        V|
24+10      9.2379     0.14  Q        |         |         |        V|
24+15      9.2381     0.04  Q        |         |         |        V|
24+20      9.2382     0.01  Q        |         |         |        V|
24+25      9.2382     0.00  Q        |         |         |         V
-------------------------------------------------------------------
```

```
                U n i t   H y d r o g r a p h   A n a l y s i s

                Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                        Study date  02/12/24 File: MESAP9B3100.out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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9B
2/09/24
------------------------------------------------------------------------
Drainage Area =      59.91(Ac.)  =      0.094 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      59.91(Ac.)  =
0.094 Sq. Mi.
Length along longest watercourse =    2795.00(Ft.)
Length along longest watercourse measured to centroid =    1180.00(Ft.)
Length along longest watercourse =      0.529 Mi.
Length along longest watercourse measured to centroid =      0.223 Mi.
Difference in elevation =      36.00(Ft.)
Slope along watercourse =     68.0072 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.072 Hr.
Lag time =     4.31 Min.
25% of lag time =     1.08 Min.
40% of lag time =     1.72 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       59.91             0.94                   56.32

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       59.91             1.97                  118.02

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.97 %
Adjusted average point rain =    1.969(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    23.140           92.00          0.900
     5.700           94.00          0.900
    23.120           95.00          0.900
     2.010           65.00          0.120
     0.150           77.00          0.120
     5.790           82.00          0.120
 Total Area Entered =     59.91(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.386      0.008
94.0  94.0      0.078     0.900        0.015       0.095      0.001
95.0  95.0      0.065     0.900        0.012       0.386      0.005
65.0  65.0      0.416     0.120        0.371       0.034      0.012
77.0  77.0      0.279     0.120        0.249       0.003      0.001
82.0  82.0      0.221     0.120        0.197       0.097      0.019
                                                 Sum (F) =   0.046
Area averaged mean soil loss (F) (In/Hr) =  0.046
Minimum soil loss rate ((In/Hr)) =  0.023
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.260
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        116.135         20.097            12.134
    2   0.167        232.270         56.152            33.903
    3   0.250        348.405         16.021             9.673
    4   0.333        464.540          5.486             3.312
    5   0.417        580.675          1.366             0.825
    6   0.500        696.810          0.708             0.427
    7   0.583        812.945          0.170             0.103
                                Sum = 100.000   Sum=      60.378
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     1.30      0.307          0.046    (  0.080)       0.261
  2   0.17     1.30      0.307          0.046    (  0.080)       0.261
  3   0.25     1.10      0.260          0.046    (  0.068)       0.214
  4   0.33     1.50      0.355          0.046    (  0.092)       0.309
  5   0.42     1.50      0.355          0.046    (  0.092)       0.309
  6   0.50     1.80      0.425          0.046    (  0.111)       0.379
```

```
  7   0.58     1.50      0.355          0.046    (  0.092)        0.309
  8   0.67     1.80      0.425          0.046    (  0.111)        0.379
  9   0.75     1.80      0.425          0.046    (  0.111)        0.379
 10   0.83     1.50      0.355          0.046    (  0.092)        0.309
 11   0.92     1.60      0.378          0.046    (  0.098)        0.332
 12   1.00     1.80      0.425          0.046    (  0.111)        0.379
 13   1.08     2.20      0.520          0.046    (  0.135)        0.474
 14   1.17     2.20      0.520          0.046    (  0.135)        0.474
 15   1.25     2.20      0.520          0.046    (  0.135)        0.474
 16   1.33     2.00      0.473          0.046    (  0.123)        0.427
 17   1.42     2.60      0.614          0.046    (  0.160)        0.569
 18   1.50     2.70      0.638          0.046    (  0.166)        0.592
 19   1.58     2.40      0.567          0.046    (  0.147)        0.521
 20   1.67     2.70      0.638          0.046    (  0.166)        0.592
 21   1.75     3.30      0.780          0.046    (  0.203)        0.734
 22   1.83     3.10      0.733          0.046    (  0.190)        0.687
 23   1.92     2.90      0.685          0.046    (  0.178)        0.639
 24   2.00     3.00      0.709          0.046    (  0.184)        0.663
 25   2.08     3.10      0.733          0.046    (  0.190)        0.687
 26   2.17     4.20      0.993          0.046    (  0.258)        0.947
 27   2.25     5.00      1.182          0.046    (  0.307)        1.136
 28   2.33     3.50      0.827          0.046    (  0.215)        0.781
 29   2.42     6.80      1.607          0.046    (  0.418)        1.561
 30   2.50     7.30      1.725          0.046    (  0.449)        1.679
 31   2.58     8.20      1.938          0.046    (  0.504)        1.892
 32   2.67     5.90      1.394          0.046    (  0.363)        1.348
 33   2.75     2.00      0.473          0.046    (  0.123)        0.427
 34   2.83     1.80      0.425          0.046    (  0.111)        0.379
 35   2.92     1.80      0.425          0.046    (  0.111)        0.379
 36   3.00     0.60      0.142       (  0.046)       0.037        0.105
            (Loss Rate Not Used)
   Sum =     100.0                                  Sum =    22.0
      Flood volume = Effective rainfall     1.83(In)
       times area      59.9(Ac.)/[(In)/(Ft.)] =      9.1(Ac.Ft)
      Total soil loss =      0.14(In)
      Total soil loss =     0.684(Ac.Ft)
      Total rainfall =      1.97(In)
      Flood volume =      398495.4 Cubic Feet
      Total soil loss =       29814.7 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =    103.204(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0218      3.17  Q         |         |         |         |
  0+10       0.1047     12.04  V Q       |         |         |         |
  0+15       0.2011     13.99  V Q       |         |         |         |
  0+20       0.3003     14.40  |VQ       |         |         |         |
  0+25       0.4199     17.37  |V Q      |         |         |         |
  0+30       0.5514     19.10  | VQ      |         |         |         |
  0+35       0.6956     20.94  |  VQ     |         |         |         |
  0+40       0.8343     20.14  |  VQ     |         |         |         |
  0+45       0.9867     22.13  |   Q     |         |         |         |
  0+50       1.1368     21.79  |   Q     |         |         |         |
  0+55       1.2737     19.88  |  Q V    |         |         |         |
  1+ 0       1.4156     20.60  |   Q V   |         |         |         |
  1+ 5       1.5765     23.37  |   Q V   |         |         |         |
  1+10       1.7629     27.06  |    Q V  |         |         |         |
  1+15       1.9566     28.12  |    Q  V |         |         |         |
  1+20       2.1488     27.90  |    Q   V|         |         |         |
  1+25       2.3425     28.12  |    Q    V         |         |         |
  1+30       2.5684     32.81  |     Q   |V        |         |         |
  1+35       2.8024     33.97  |     Q   | V       |         |         |
  1+40       3.0303     33.09  |     Q   |  V      |         |         |
  1+45       3.2831     36.71  |      Q  |   V     |         |         |
  1+50       3.5687     41.47  |       Q |    V    |         |         |
  1+55       3.8501     40.86  |       Q |     V   |         |         |
  2+ 0       4.1228     39.59  |       Q |      V  |         |         |
  2+ 5       4.3997     40.21  |       Q |       V |         |         |
  2+10       4.7045     44.26  |       Q |        V|         |         |
  2+15       5.0877     55.64  |         |Q        | V       |         |
  2+20       5.5033     60.34  |         | Q       |   V     |         |
  2+25       5.9199     60.50  |         | Q       |    V    |         |
  2+30       6.5109     85.81  |         |      Q  |       V |         |
  2+35       7.1930     99.04  |         |        Q|         |V        |
  2+40       7.9038    103.20  |         |         Q         |   V     |
  2+45       8.4309     76.54  |         |    Q    |         |    V    |
  2+50       8.7101     40.54  |       Q |         |         |       V |
  2+55       8.9065     28.52  |    Q    |         |         |       V |
  3+ 0       9.0534     21.33  |   Q     |         |         |        V|
  3+ 5       9.1196      9.61  |Q        |         |         |        V|
  3+10       9.1396      2.91  Q         |         |         |        V|
  3+15       9.1456      0.87  Q         |         |         |        V|
  3+20       9.1475      0.29  Q         |         |         |        V|
  3+25       9.1481      0.08  Q         |         |         |        V|
  3+30       9.1482      0.01  Q         |         |         |         V
-------------------------------------------------------------------------
```

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/12/24 File: MESAP9B6100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      59.91(Ac.)  =      0.094 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      59.91(Ac.)  =
0.094 Sq. Mi.
Length along longest watercourse =    2795.00(Ft.)
Length along longest watercourse measured to centroid =    1180.00(Ft.)
Length along longest watercourse =      0.529 Mi.
Length along longest watercourse measured to centroid =      0.223 Mi.
Difference in elevation =      36.00(Ft.)
Slope along watercourse =     68.0072 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.072 Hr.
Lag time =     4.31 Min.
25% of lag time =     1.08 Min.
40% of lag time =     1.72 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       59.91             1.35                  80.88

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       59.91             2.78                 166.55

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    2.779(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    23.140           92.00          0.900
     5.700           94.00          0.900
    23.120           95.00          0.900
     2.010           65.00          0.120
     0.150           77.00          0.120
     5.790           82.00          0.120
 Total Area Entered =     59.91(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.386      0.008
94.0  94.0      0.078     0.900        0.015       0.095      0.001
95.0  95.0      0.065     0.900        0.012       0.386      0.005
65.0  65.0      0.416     0.120        0.371       0.034      0.012
77.0  77.0      0.279     0.120        0.249       0.003      0.001
82.0  82.0      0.221     0.120        0.197       0.097      0.019
                                                 Sum (F) =   0.046
Area averaged mean soil loss (F) (In/Hr) =  0.046
Minimum soil loss rate ((In/Hr)) =  0.023
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.260
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        116.135         20.097             12.134
    2   0.167        232.270         56.152             33.903
    3   0.250        348.405         16.021              9.673
    4   0.333        464.540          5.486              3.312
    5   0.417        580.675          1.366              0.825
    6   0.500        696.810          0.708              0.427
    7   0.583        812.945          0.170              0.103
                                 Sum = 100.000   Sum=      60.378
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     0.50      0.167       (  0.046)       0.043        0.123
  2   0.17     0.60      0.200          0.046    (  0.052)        0.154
  3   0.25     0.60      0.200          0.046    (  0.052)        0.154
  4   0.33     0.60      0.200          0.046    (  0.052)        0.154
  5   0.42     0.60      0.200          0.046    (  0.052)        0.154
  6   0.50     0.70      0.233          0.046    (  0.061)        0.188
```

7	0.58	0.70	0.233	0.046	(0.061)	0.188
8	0.67	0.70	0.233	0.046	(0.061)	0.188
9	0.75	0.70	0.233	0.046	(0.061)	0.188
10	0.83	0.70	0.233	0.046	(0.061)	0.188
11	0.92	0.70	0.233	0.046	(0.061)	0.188
12	1.00	0.80	0.267	0.046	(0.069)	0.221
13	1.08	0.80	0.267	0.046	(0.069)	0.221
14	1.17	0.80	0.267	0.046	(0.069)	0.221
15	1.25	0.80	0.267	0.046	(0.069)	0.221
16	1.33	0.80	0.267	0.046	(0.069)	0.221
17	1.42	0.80	0.267	0.046	(0.069)	0.221
18	1.50	0.80	0.267	0.046	(0.069)	0.221
19	1.58	0.80	0.267	0.046	(0.069)	0.221
20	1.67	0.80	0.267	0.046	(0.069)	0.221
21	1.75	0.80	0.267	0.046	(0.069)	0.221
22	1.83	0.80	0.267	0.046	(0.069)	0.221
23	1.92	0.80	0.267	0.046	(0.069)	0.221
24	2.00	0.90	0.300	0.046	(0.078)	0.254
25	2.08	0.80	0.267	0.046	(0.069)	0.221
26	2.17	0.90	0.300	0.046	(0.078)	0.254
27	2.25	0.90	0.300	0.046	(0.078)	0.254
28	2.33	0.90	0.300	0.046	(0.078)	0.254
29	2.42	0.90	0.300	0.046	(0.078)	0.254
30	2.50	0.90	0.300	0.046	(0.078)	0.254
31	2.58	0.90	0.300	0.046	(0.078)	0.254
32	2.67	0.90	0.300	0.046	(0.078)	0.254
33	2.75	1.00	0.334	0.046	(0.087)	0.288
34	2.83	1.00	0.334	0.046	(0.087)	0.288
35	2.92	1.00	0.334	0.046	(0.087)	0.288
36	3.00	1.00	0.334	0.046	(0.087)	0.288
37	3.08	1.00	0.334	0.046	(0.087)	0.288
38	3.17	1.10	0.367	0.046	(0.095)	0.321
39	3.25	1.10	0.367	0.046	(0.095)	0.321
40	3.33	1.10	0.367	0.046	(0.095)	0.321
41	3.42	1.20	0.400	0.046	(0.104)	0.354
42	3.50	1.30	0.434	0.046	(0.113)	0.388
43	3.58	1.40	0.467	0.046	(0.121)	0.421
44	3.67	1.40	0.467	0.046	(0.121)	0.421
45	3.75	1.50	0.500	0.046	(0.130)	0.454
46	3.83	1.50	0.500	0.046	(0.130)	0.454
47	3.92	1.60	0.534	0.046	(0.139)	0.488
48	4.00	1.60	0.534	0.046	(0.139)	0.488
49	4.08	1.70	0.567	0.046	(0.147)	0.521
50	4.17	1.80	0.600	0.046	(0.156)	0.554
51	4.25	1.90	0.634	0.046	(0.165)	0.588
52	4.33	2.00	0.667	0.046	(0.173)	0.621
53	4.42	2.10	0.700	0.046	(0.182)	0.654
54	4.50	2.10	0.700	0.046	(0.182)	0.654
55	4.58	2.20	0.734	0.046	(0.191)	0.688
56	4.67	2.30	0.767	0.046	(0.199)	0.721
57	4.75	2.40	0.800	0.046	(0.208)	0.755
58	4.83	2.40	0.800	0.046	(0.208)	0.755
59	4.92	2.50	0.834	0.046	(0.217)	0.788
60	5.00	2.60	0.867	0.046	(0.225)	0.821
61	5.08	3.10	1.034	0.046	(0.269)	0.988
62	5.17	3.60	1.201	0.046	(0.312)	1.155
63	5.25	3.90	1.301	0.046	(0.338)	1.255
64	5.33	4.20	1.401	0.046	(0.364)	1.355
65	5.42	4.70	1.568	0.046	(0.408)	1.522
66	5.50	5.60	1.868	0.046	(0.486)	1.822
67	5.58	1.90	0.634	0.046	(0.165)	0.588
68	5.67	0.90	0.300	0.046	(0.078)	0.254
69	5.75	0.60	0.200	0.046	(0.052)	0.154
70	5.83	0.50	0.167	(0.046)	0.043	0.123
71	5.92	0.30	0.100	(0.046)	0.026	0.074
72	6.00	0.20	0.067	(0.046)	0.017	0.049

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.1

Flood volume = Effective rainfall 2.51(In)
times area 59.9(Ac.)/[(In)/(Ft.)] = 12.5(Ac.Ft)
Total soil loss = 0.27(In)
Total soil loss = 1.354(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 545466.4 Cubic Feet
Total soil loss = 58984.9 Cubic Feet

Peak flow rate of this hydrograph = 92.465(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	25.0	50.0	75.0	100.0
0+ 5	0.0103	1.50	Q	|	|	|	|
0+10	0.0520	6.06	V Q	|	|	|	|
0+15	0.1092	8.30	V Q	|	|	|	|
0+20	0.1712	9.00	V Q	|	|	|	|
0+25	0.2346	9.21	V Q	|	|	|	|
0+30	0.3013	9.69	V Q	|	|	|	|
0+35	0.3760	10.85	|V Q	|	|	|	|
0+40	0.4529	11.17	|V Q	|	|	|	|
0+45	0.5306	11.28	|V Q	|	|	|	|
0+50	0.6085	11.31	|V Q	|	|	|	|
0+55	0.6865	11.32	| V Q	|	|	|	|
1+ 0	0.7673	11.73	| V Q	|	|	|	|
1+ 5	0.8559	12.86	| V Q	|	|	|	|
1+10	0.9468	13.19	| V Q	|	|	|	|
1+15	1.0383	13.30	| V Q	|	|	|	|
1+20	1.1301	13.33	| V Q	|	|	|	|
1+25	1.2220	13.34	| V Q	|	|	|	|
1+30	1.3139	13.34	| VQ	|	|	|	|
1+35	1.4058	13.34	| VQ	|	|	|	|
1+40	1.4977	13.34	| VQ	|	|	|	|
1+45	1.5896	13.34	| Q	|	|	|	|
1+50	1.6814	13.34	| Q	|	|	|	|
1+55	1.7733	13.34	| Q	|	|	|	|
2+ 0	1.8680	13.75	| Q	|	|	|	|
2+ 5	1.9677	14.47	| QV	|	|	|	|
2+10	2.0646	14.07	| QV	|	|	|	|
2+15	2.1678	14.99	| QV	|	|	|	|
2+20	2.2727	15.23	| QV	|	|	|	|
2+25	2.3783	15.33	| QV	|	|	|	|
2+30	2.4840	15.34	| QV	|	|	|	|
2+35	2.5897	15.35	| Q V	|	|	|	|
2+40	2.6955	15.36	| Q V	|	|	|	|
2+45	2.8040	15.76	| Q V	|	|	|	|
2+50	2.9204	16.89	| Q V|	|	|	|	|
2+55	3.0390	17.22	| Q V|	|	|	|	|
3+ 0	3.1583	17.33	| Q V	|	|	|	|
3+ 5	3.2778	17.35	| Q V	|	|	|	|

```
   3+10       3.4002     17.77  |      Q  V         |          |          |
   3+15       3.5304     18.91  |      Q  |V        |          |          |
   3+20       3.6629     19.23  |      Q  |V        |          |          |
   3+25       3.7989     19.75  |      Q  | V       |          |          |
   3+30       3.9457     21.31  |       Q | V       |          |          |
   3+35       4.1053     23.18  |        Q|  V      |          |          |
   3+40       4.2758     24.75  |        Q|  V      |          |          |
   3+45       4.4522     25.62  |         Q   V     |          |          |
   3+50       4.6375     26.90  |         Q   V     |          |          |
   3+55       4.8281     27.67  |         |Q   V    |          |          |
   4+ 0       5.0274     28.93  |         |Q    V   |          |          |
   4+ 5       5.2319     29.69  |         |Q    V   |          |          |
   4+10       5.4478     31.35  |         | Q    V  |          |          |
   4+15       5.6768     33.24  |         |  Q    V |          |          |
   4+20       5.9194     35.23  |         |   Q   V |          |          |
   4+25       6.1758     37.23  |         |   Q    V|          |          |
   4+30       6.4432     38.84  |         |    Q    V          |          |
   4+35       6.7168     39.72  |         |    Q    |V         |          |
   4+40       7.0020     41.41  |         |     Q   | V       |          |
   4+45       7.3003     43.31  |         |      Q  |  V      |          |
   4+50       7.6095     44.90  |         |      Q  |   V     |          |
   4+55       7.9247     45.77  |         |       Q |    V    |          |
   5+ 0       8.2515     47.46  |         |       Q |     V   |          |
   5+ 5       8.6026     50.98  |         |         Q      V  |          |
   5+10       9.0097     59.11  |         |           |  Q    V |          |
   5+15       9.4762     67.74  |         |           |     Q  V          |
   5+20       9.9897     74.56  |         |           |        Q|V        |
   5+25      10.5521     81.65  |         |           |          | QV     |
   5+30      11.1889     92.46  |         |           |          |    VQ  |
   5+35      11.8072     89.78  |         |           |          |    Q V |
   5+40      12.1341     47.47  |         |       Q   |          |       V|
   5+45      12.3007     24.19  |        Q|           |          |        V|
   5+50      12.3932     13.43  |    Q    |           |          |        V|
   5+55      12.4541      8.84  |  Q      |           |          |        V|
   6+ 0      12.4917      5.46  | Q       |           |          |        V|
   6+ 5      12.5130      3.10  |Q        |           |          |        V|
   6+10      12.5193      0.92  Q         |           |          |        V|
   6+15      12.5214      0.29  Q         |           |          |        V|
   6+20      12.5220      0.09  Q         |           |          |        V|
   6+25      12.5222      0.03  Q         |           |          |        V|
   6+30      12.5222      0.01  Q         |           |          |         V
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/12/24 File: MESAP9B24100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9B
2/09/24
--------------------------------------------------------------------------
Drainage Area =      59.91(Ac.)  =      0.094 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      59.91(Ac.)  =
0.094 Sq. Mi.
Length along longest watercourse =    2795.00(Ft.)
Length along longest watercourse measured to centroid =    1180.00(Ft.)
Length along longest watercourse =      0.529 Mi.
Length along longest watercourse measured to centroid =      0.223 Mi.
Difference in elevation =      36.00(Ft.)
Slope along watercourse =     68.0072 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.072 Hr.
Lag time =     4.31 Min.
25% of lag time =     1.08 Min.
40% of lag time =     1.72 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       59.91              2.45                   146.78

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       59.91              6.08                   364.25

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
    23.140           92.00          0.900
     5.700           94.00          0.900
    23.120           95.00          0.900
     2.010           65.00          0.120
     0.150           77.00          0.120
     5.790           82.00          0.120
 Total Area Entered =     59.91(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.386      0.008
94.0  94.0      0.078     0.900        0.015       0.095      0.001
95.0  95.0      0.065     0.900        0.012       0.386      0.005
65.0  65.0      0.416     0.120        0.371       0.034      0.012
77.0  77.0      0.279     0.120        0.249       0.003      0.001
82.0  82.0      0.221     0.120        0.197       0.097      0.019
                                                 Sum (F) =   0.046
Area averaged mean soil loss (F) (In/Hr) =  0.046
Minimum soil loss rate ((In/Hr)) =  0.023
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.260
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083       116.135         20.097            12.134
    2   0.167       232.270         56.152            33.903
    3   0.250       348.405         16.021             9.673
    4   0.333       464.540          5.486             3.312
    5   0.417       580.675          1.366             0.825
    6   0.500       696.810          0.708             0.427
    7   0.583       812.945          0.170             0.103
                                Sum = 100.000   Sum=     60.378
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     0.07      0.049       (  0.081)      0.013        0.036
  2   0.17     0.07      0.049       (  0.081)      0.013        0.036
  3   0.25     0.07      0.049       (  0.081)      0.013        0.036
  4   0.33     0.10      0.073       (  0.081)      0.019        0.054
  5   0.42     0.10      0.073       (  0.080)      0.019        0.054
  6   0.50     0.10      0.073       (  0.080)      0.019        0.054
```

7	0.58	0.10	0.073	(0.080)	0.019	0.054
8	0.67	0.10	0.073	(0.079)	0.019	0.054
9	0.75	0.10	0.073	(0.079)	0.019	0.054
10	0.83	0.13	0.097	(0.079)	0.025	0.072
11	0.92	0.13	0.097	(0.078)	0.025	0.072
12	1.00	0.13	0.097	(0.078)	0.025	0.072
13	1.08	0.10	0.073	(0.078)	0.019	0.054
14	1.17	0.10	0.073	(0.077)	0.019	0.054
15	1.25	0.10	0.073	(0.077)	0.019	0.054
16	1.33	0.10	0.073	(0.077)	0.019	0.054
17	1.42	0.10	0.073	(0.076)	0.019	0.054
18	1.50	0.10	0.073	(0.076)	0.019	0.054
19	1.58	0.10	0.073	(0.076)	0.019	0.054
20	1.67	0.10	0.073	(0.076)	0.019	0.054
21	1.75	0.10	0.073	(0.075)	0.019	0.054
22	1.83	0.13	0.097	(0.075)	0.025	0.072
23	1.92	0.13	0.097	(0.075)	0.025	0.072
24	2.00	0.13	0.097	(0.074)	0.025	0.072
25	2.08	0.13	0.097	(0.074)	0.025	0.072
26	2.17	0.13	0.097	(0.074)	0.025	0.072
27	2.25	0.13	0.097	(0.073)	0.025	0.072
28	2.33	0.13	0.097	(0.073)	0.025	0.072
29	2.42	0.13	0.097	(0.073)	0.025	0.072
30	2.50	0.13	0.097	(0.073)	0.025	0.072
31	2.58	0.17	0.122	(0.072)	0.032	0.090
32	2.67	0.17	0.122	(0.072)	0.032	0.090
33	2.75	0.17	0.122	(0.072)	0.032	0.090
34	2.83	0.17	0.122	(0.071)	0.032	0.090
35	2.92	0.17	0.122	(0.071)	0.032	0.090
36	3.00	0.17	0.122	(0.071)	0.032	0.090
37	3.08	0.17	0.122	(0.071)	0.032	0.090
38	3.17	0.17	0.122	(0.070)	0.032	0.090
39	3.25	0.17	0.122	(0.070)	0.032	0.090
40	3.33	0.17	0.122	(0.070)	0.032	0.090
41	3.42	0.17	0.122	(0.069)	0.032	0.090
42	3.50	0.17	0.122	(0.069)	0.032	0.090
43	3.58	0.17	0.122	(0.069)	0.032	0.090
44	3.67	0.17	0.122	(0.068)	0.032	0.090
45	3.75	0.17	0.122	(0.068)	0.032	0.090
46	3.83	0.20	0.146	(0.068)	0.038	0.108
47	3.92	0.20	0.146	(0.068)	0.038	0.108
48	4.00	0.20	0.146	(0.067)	0.038	0.108
49	4.08	0.20	0.146	(0.067)	0.038	0.108
50	4.17	0.20	0.146	(0.067)	0.038	0.108
51	4.25	0.20	0.146	(0.066)	0.038	0.108
52	4.33	0.23	0.170	(0.066)	0.044	0.126
53	4.42	0.23	0.170	(0.066)	0.044	0.126
54	4.50	0.23	0.170	(0.066)	0.044	0.126
55	4.58	0.23	0.170	(0.065)	0.044	0.126
56	4.67	0.23	0.170	(0.065)	0.044	0.126
57	4.75	0.23	0.170	(0.065)	0.044	0.126
58	4.83	0.27	0.195	(0.064)	0.051	0.144
59	4.92	0.27	0.195	(0.064)	0.051	0.144
60	5.00	0.27	0.195	(0.064)	0.051	0.144
61	5.08	0.20	0.146	(0.064)	0.038	0.108
62	5.17	0.20	0.146	(0.063)	0.038	0.108
63	5.25	0.20	0.146	(0.063)	0.038	0.108
64	5.33	0.23	0.170	(0.063)	0.044	0.126
65	5.42	0.23	0.170	(0.063)	0.044	0.126
66	5.50	0.23	0.170	(0.062)	0.044	0.126
67	5.58	0.27	0.195	(0.062)	0.051	0.144
68	5.67	0.27	0.195	(0.062)	0.051	0.144
69	5.75	0.27	0.195	(0.061)	0.051	0.144
70	5.83	0.27	0.195	(0.061)	0.051	0.144
71	5.92	0.27	0.195	(0.061)	0.051	0.144
72	6.00	0.27	0.195	(0.061)	0.051	0.144
73	6.08	0.30	0.219	(0.060)	0.057	0.162
74	6.17	0.30	0.219	(0.060)	0.057	0.162
75	6.25	0.30	0.219	(0.060)	0.057	0.162
76	6.33	0.30	0.219	(0.060)	0.057	0.162
77	6.42	0.30	0.219	(0.059)	0.057	0.162
78	6.50	0.30	0.219	(0.059)	0.057	0.162
79	6.58	0.33	0.243	0.059	(0.063)	0.184
80	6.67	0.33	0.243	0.059	(0.063)	0.185
81	6.75	0.33	0.243	0.058	(0.063)	0.185
82	6.83	0.33	0.243	0.058	(0.063)	0.185
83	6.92	0.33	0.243	0.058	(0.063)	0.185
84	7.00	0.33	0.243	0.057	(0.063)	0.186
85	7.08	0.33	0.243	0.057	(0.063)	0.186
86	7.17	0.33	0.243	0.057	(0.063)	0.186
87	7.25	0.33	0.243	0.057	(0.063)	0.186
88	7.33	0.37	0.267	0.056	(0.070)	0.211
89	7.42	0.37	0.267	0.056	(0.070)	0.211
90	7.50	0.37	0.267	0.056	(0.070)	0.212
91	7.58	0.40	0.292	0.056	(0.076)	0.236
92	7.67	0.40	0.292	0.055	(0.076)	0.236
93	7.75	0.40	0.292	0.055	(0.076)	0.237
94	7.83	0.43	0.316	0.055	(0.082)	0.261
95	7.92	0.43	0.316	0.055	(0.082)	0.261
96	8.00	0.43	0.316	0.054	(0.082)	0.262
97	8.08	0.50	0.365	0.054	(0.095)	0.311
98	8.17	0.50	0.365	0.054	(0.095)	0.311
99	8.25	0.50	0.365	0.054	(0.095)	0.311
100	8.33	0.50	0.365	0.053	(0.095)	0.311
101	8.42	0.50	0.365	0.053	(0.095)	0.312
102	8.50	0.50	0.365	0.053	(0.095)	0.312
103	8.58	0.53	0.389	0.053	(0.101)	0.336
104	8.67	0.53	0.389	0.052	(0.101)	0.337
105	8.75	0.53	0.389	0.052	(0.101)	0.337
106	8.83	0.57	0.413	0.052	(0.107)	0.362
107	8.92	0.57	0.413	0.052	(0.107)	0.362
108	9.00	0.57	0.413	0.051	(0.107)	0.362
109	9.08	0.63	0.462	0.051	(0.120)	0.411
110	9.17	0.63	0.462	0.051	(0.120)	0.411
111	9.25	0.63	0.462	0.051	(0.120)	0.411
112	9.33	0.67	0.486	0.050	(0.126)	0.436
113	9.42	0.67	0.486	0.050	(0.126)	0.436
114	9.50	0.67	0.486	0.050	(0.126)	0.436
115	9.58	0.70	0.511	0.050	(0.133)	0.461
116	9.67	0.70	0.511	0.049	(0.133)	0.461
117	9.75	0.70	0.511	0.049	(0.133)	0.461
118	9.83	0.73	0.535	0.049	(0.139)	0.486
119	9.92	0.73	0.535	0.049	(0.139)	0.486
120	10.00	0.73	0.535	0.049	(0.139)	0.486
121	10.08	0.50	0.365	0.048	(0.095)	0.316
122	10.17	0.50	0.365	0.048	(0.095)	0.317
123	10.25	0.50	0.365	0.048	(0.095)	0.317
124	10.33	0.50	0.365	0.048	(0.095)	0.317
125	10.42	0.50	0.365	0.047	(0.095)	0.317
126	10.50	0.50	0.365	0.047	(0.095)	0.318
127	10.58	0.67	0.486	0.047	(0.126)	0.439
128	10.67	0.67	0.486	0.047	(0.126)	0.440
129	10.75	0.67	0.486	0.046	(0.126)	0.440
130	10.83	0.67	0.486	0.046	(0.126)	0.440

131	10.92	0.67	0.486	0.046	(0.126)	0.440
132	11.00	0.67	0.486	0.046	(0.126)	0.441
133	11.08	0.63	0.462	0.046	(0.120)	0.416
134	11.17	0.63	0.462	0.045	(0.120)	0.417
135	11.25	0.63	0.462	0.045	(0.120)	0.417
136	11.33	0.63	0.462	0.045	(0.120)	0.417
137	11.42	0.63	0.462	0.045	(0.120)	0.417
138	11.50	0.63	0.462	0.044	(0.120)	0.418
139	11.58	0.57	0.413	0.044	(0.107)	0.369
140	11.67	0.57	0.413	0.044	(0.107)	0.369
141	11.75	0.57	0.413	0.044	(0.107)	0.370
142	11.83	0.60	0.438	0.044	(0.114)	0.394
143	11.92	0.60	0.438	0.043	(0.114)	0.394
144	12.00	0.60	0.438	0.043	(0.114)	0.395
145	12.08	0.83	0.608	0.043	(0.158)	0.565
146	12.17	0.83	0.608	0.043	(0.158)	0.565
147	12.25	0.83	0.608	0.042	(0.158)	0.565
148	12.33	0.87	0.632	0.042	(0.164)	0.590
149	12.42	0.87	0.632	0.042	(0.164)	0.590
150	12.50	0.87	0.632	0.042	(0.164)	0.590
151	12.58	0.93	0.681	0.042	(0.177)	0.639
152	12.67	0.93	0.681	0.041	(0.177)	0.639
153	12.75	0.93	0.681	0.041	(0.177)	0.640
154	12.83	0.97	0.705	0.041	(0.183)	0.664
155	12.92	0.97	0.705	0.041	(0.183)	0.664
156	13.00	0.97	0.705	0.041	(0.183)	0.665
157	13.08	1.13	0.827	0.040	(0.215)	0.786
158	13.17	1.13	0.827	0.040	(0.215)	0.787
159	13.25	1.13	0.827	0.040	(0.215)	0.787
160	13.33	1.13	0.827	0.040	(0.215)	0.787
161	13.42	1.13	0.827	0.040	(0.215)	0.787
162	13.50	1.13	0.827	0.039	(0.215)	0.787
163	13.58	0.77	0.559	0.039	(0.145)	0.520
164	13.67	0.77	0.559	0.039	(0.145)	0.520
165	13.75	0.77	0.559	0.039	(0.145)	0.521
166	13.83	0.77	0.559	0.039	(0.145)	0.521
167	13.92	0.77	0.559	0.038	(0.145)	0.521
168	14.00	0.77	0.559	0.038	(0.145)	0.521
169	14.08	0.90	0.657	0.038	(0.171)	0.619
170	14.17	0.90	0.657	0.038	(0.171)	0.619
171	14.25	0.90	0.657	0.038	(0.171)	0.619
172	14.33	0.87	0.632	0.037	(0.164)	0.595
173	14.42	0.87	0.632	0.037	(0.164)	0.595
174	14.50	0.87	0.632	0.037	(0.164)	0.595
175	14.58	0.87	0.632	0.037	(0.164)	0.595
176	14.67	0.87	0.632	0.037	(0.164)	0.596
177	14.75	0.87	0.632	0.036	(0.164)	0.596
178	14.83	0.83	0.608	0.036	(0.158)	0.572
179	14.92	0.83	0.608	0.036	(0.158)	0.572
180	15.00	0.83	0.608	0.036	(0.158)	0.572
181	15.08	0.80	0.584	0.036	(0.152)	0.548
182	15.17	0.80	0.584	0.036	(0.152)	0.548
183	15.25	0.80	0.584	0.035	(0.152)	0.548
184	15.33	0.77	0.559	0.035	(0.145)	0.524
185	15.42	0.77	0.559	0.035	(0.145)	0.524
186	15.50	0.77	0.559	0.035	(0.145)	0.524
187	15.58	0.63	0.462	0.035	(0.120)	0.427
188	15.67	0.63	0.462	0.034	(0.120)	0.428
189	15.75	0.63	0.462	0.034	(0.120)	0.428
190	15.83	0.63	0.462	0.034	(0.120)	0.428
191	15.92	0.63	0.462	0.034	(0.120)	0.428
192	16.00	0.63	0.462	0.034	(0.120)	0.428
193	16.08	0.13	0.097	(0.034)	0.025	0.072
194	16.17	0.13	0.097	(0.033)	0.025	0.072
195	16.25	0.13	0.097	(0.033)	0.025	0.072
196	16.33	0.13	0.097	(0.033)	0.025	0.072
197	16.42	0.13	0.097	(0.033)	0.025	0.072
198	16.50	0.13	0.097	(0.033)	0.025	0.072
199	16.58	0.10	0.073	(0.033)	0.019	0.054
200	16.67	0.10	0.073	(0.032)	0.019	0.054
201	16.75	0.10	0.073	(0.032)	0.019	0.054
202	16.83	0.10	0.073	(0.032)	0.019	0.054
203	16.92	0.10	0.073	(0.032)	0.019	0.054
204	17.00	0.10	0.073	(0.032)	0.019	0.054
205	17.08	0.17	0.122	0.032	(0.032)	0.090
206	17.17	0.17	0.122	0.031	(0.032)	0.090
207	17.25	0.17	0.122	0.031	(0.032)	0.090
208	17.33	0.17	0.122	0.031	(0.032)	0.090
209	17.42	0.17	0.122	0.031	(0.032)	0.091
210	17.50	0.17	0.122	0.031	(0.032)	0.091
211	17.58	0.17	0.122	0.031	(0.032)	0.091
212	17.67	0.17	0.122	0.030	(0.032)	0.091
213	17.75	0.17	0.122	0.030	(0.032)	0.091
214	17.83	0.13	0.097	(0.030)	0.025	0.072
215	17.92	0.13	0.097	(0.030)	0.025	0.072
216	18.00	0.13	0.097	(0.030)	0.025	0.072
217	18.08	0.13	0.097	(0.030)	0.025	0.072
218	18.17	0.13	0.097	(0.030)	0.025	0.072
219	18.25	0.13	0.097	(0.029)	0.025	0.072
220	18.33	0.13	0.097	(0.029)	0.025	0.072
221	18.42	0.13	0.097	(0.029)	0.025	0.072
222	18.50	0.13	0.097	(0.029)	0.025	0.072
223	18.58	0.10	0.073	(0.029)	0.019	0.054
224	18.67	0.10	0.073	(0.029)	0.019	0.054
225	18.75	0.10	0.073	(0.029)	0.019	0.054
226	18.83	0.07	0.049	(0.028)	0.013	0.036
227	18.92	0.07	0.049	(0.028)	0.013	0.036
228	19.00	0.07	0.049	(0.028)	0.013	0.036
229	19.08	0.10	0.073	(0.028)	0.019	0.054
230	19.17	0.10	0.073	(0.028)	0.019	0.054
231	19.25	0.10	0.073	(0.028)	0.019	0.054
232	19.33	0.13	0.097	(0.028)	0.025	0.072
233	19.42	0.13	0.097	(0.028)	0.025	0.072
234	19.50	0.13	0.097	(0.027)	0.025	0.072
235	19.58	0.10	0.073	(0.027)	0.019	0.054
236	19.67	0.10	0.073	(0.027)	0.019	0.054
237	19.75	0.10	0.073	(0.027)	0.019	0.054
238	19.83	0.07	0.049	(0.027)	0.013	0.036
239	19.92	0.07	0.049	(0.027)	0.013	0.036
240	20.00	0.07	0.049	(0.027)	0.013	0.036
241	20.08	0.10	0.073	(0.027)	0.019	0.054
242	20.17	0.10	0.073	(0.026)	0.019	0.054
243	20.25	0.10	0.073	(0.026)	0.019	0.054
244	20.33	0.10	0.073	(0.026)	0.019	0.054
245	20.42	0.10	0.073	(0.026)	0.019	0.054
246	20.50	0.10	0.073	(0.026)	0.019	0.054
247	20.58	0.10	0.073	(0.026)	0.019	0.054
248	20.67	0.10	0.073	(0.026)	0.019	0.054
249	20.75	0.10	0.073	(0.026)	0.019	0.054
250	20.83	0.07	0.049	(0.026)	0.013	0.036
251	20.92	0.07	0.049	(0.025)	0.013	0.036
252	21.00	0.07	0.049	(0.025)	0.013	0.036
253	21.08	0.10	0.073	(0.025)	0.019	0.054
254	21.17	0.10	0.073	(0.025)	0.019	0.054

255	21.25	0.10	0.073	(0.025)	0.019	0.054
256	21.33	0.07	0.049	(0.025)	0.013	0.036
257	21.42	0.07	0.049	(0.025)	0.013	0.036
258	21.50	0.07	0.049	(0.025)	0.013	0.036
259	21.58	0.10	0.073	(0.025)	0.019	0.054
260	21.67	0.10	0.073	(0.025)	0.019	0.054
261	21.75	0.10	0.073	(0.025)	0.019	0.054
262	21.83	0.07	0.049	(0.024)	0.013	0.036
263	21.92	0.07	0.049	(0.024)	0.013	0.036
264	22.00	0.07	0.049	(0.024)	0.013	0.036
265	22.08	0.10	0.073	(0.024)	0.019	0.054
266	22.17	0.10	0.073	(0.024)	0.019	0.054
267	22.25	0.10	0.073	(0.024)	0.019	0.054
268	22.33	0.07	0.049	(0.024)	0.013	0.036
269	22.42	0.07	0.049	(0.024)	0.013	0.036
270	22.50	0.07	0.049	(0.024)	0.013	0.036
271	22.58	0.07	0.049	(0.024)	0.013	0.036
272	22.67	0.07	0.049	(0.024)	0.013	0.036
273	22.75	0.07	0.049	(0.024)	0.013	0.036
274	22.83	0.07	0.049	(0.024)	0.013	0.036
275	22.92	0.07	0.049	(0.023)	0.013	0.036
276	23.00	0.07	0.049	(0.023)	0.013	0.036
277	23.08	0.07	0.049	(0.023)	0.013	0.036
278	23.17	0.07	0.049	(0.023)	0.013	0.036
279	23.25	0.07	0.049	(0.023)	0.013	0.036
280	23.33	0.07	0.049	(0.023)	0.013	0.036
281	23.42	0.07	0.049	(0.023)	0.013	0.036
282	23.50	0.07	0.049	(0.023)	0.013	0.036
283	23.58	0.07	0.049	(0.023)	0.013	0.036
284	23.67	0.07	0.049	(0.023)	0.013	0.036
285	23.75	0.07	0.049	(0.023)	0.013	0.036
286	23.83	0.07	0.049	(0.023)	0.013	0.036
287	23.92	0.07	0.049	(0.023)	0.013	0.036
288	24.00	0.07	0.049	(0.023)	0.013	0.036

(Loss Rate Not Used)

Sum = 100.0 Sum = 63.3

Flood volume = Effective rainfall 5.28(In)
times area 59.9(Ac.)/[(In)/(Ft.)] = 26.3(Ac.Ft)
Total soil loss = 0.80(In)
Total soil loss = 4.006(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 1147592.8 Cubic Feet
Total soil loss = 174490.1 Cubic Feet

Peak flow rate of this hydrograph = 47.541(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0030	0.44	Q	|	|	|	|
0+10	0.0144	1.66	VQ	|	|	|	|
0+15	0.0282	2.01	VQ	|	|	|	|
0+20	0.0444	2.34	VQ	|	|	|	|
0+25	0.0649	2.98	V Q	|	|	|	|
0+30	0.0868	3.17	V Q	|	|	|	|
0+35	0.1091	3.24	V Q	|	|	|	|
0+40	0.1315	3.25	V Q	|	|	|	|
0+45	0.1539	3.26	V Q	|	|	|	|
0+50	0.1779	3.48	V Q	|	|	|	|
0+55	0.2061	4.09	V Q	|	|	|	|
1+ 0	0.2354	4.26	V Q	|	|	|	|
1+ 5	0.2637	4.11	V Q	|	|	|	|
1+10	0.2879	3.51	V Q	|	|	|	|
1+15	0.3109	3.34	V Q	|	|	|	|
1+20	0.3335	3.29	V Q	|	|	|	|
1+25	0.3560	3.27	V Q	|	|	|	|
1+30	0.3785	3.26	V Q	|	|	|	|
1+35	0.4010	3.26	V Q	|	|	|	|
1+40	0.4234	3.26	V Q	|	|	|	|
1+45	0.4459	3.26	V Q	|	|	|	|
1+50	0.4699	3.48	V Q	|	|	|	|
1+55	0.4980	4.09	V Q	|	|	|	|
2+ 0	0.5274	4.26	V Q	|	|	|	|
2+ 5	0.5572	4.32	V Q	|	|	|	|
2+10	0.5871	4.34	V Q	|	|	|	|
2+15	0.6170	4.35	V Q	|	|	|	|
2+20	0.6469	4.35	V Q	|	|	|	|
2+25	0.6769	4.35	|V Q	|	|	|	|
2+30	0.7068	4.35	|V Q	|	|	|	|
2+35	0.7383	4.57	|V Q	|	|	|	|
2+40	0.7739	5.18	|V Q	|	|	|	|
2+45	0.8108	5.35	|V Q	|	|	|	|
2+50	0.8481	5.41	|V Q	|	|	|	|
2+55	0.8854	5.43	|V Q	|	|	|	|
3+ 0	0.9228	5.43	|V Q	|	|	|	|
3+ 5	0.9603	5.44	|V Q	|	|	|	|
3+10	0.9977	5.44	|V Q	|	|	|	|
3+15	1.0351	5.44	|V Q	|	|	|	|
3+20	1.0726	5.44	|V Q	|	|	|	|
3+25	1.1100	5.44	|V Q	|	|	|	|
3+30	1.1474	5.44	|V Q	|	|	|	|
3+35	1.1849	5.44	|V Q	|	|	|	|
3+40	1.2223	5.44	|V Q	|	|	|	|
3+45	1.2597	5.44	|V Q	|	|	|	|
3+50	1.2987	5.65	|V Q	|	|	|	|
3+55	1.3418	6.26	| V Q	|	|	|	|
4+ 0	1.3862	6.44	| V Q	|	|	|	|
4+ 5	1.4309	6.50	| V Q	|	|	|	|
4+10	1.4758	6.51	| V Q	|	|	|	|
4+15	1.5207	6.52	| V Q	|	|	|	|
4+20	1.5671	6.74	| V Q	|	|	|	|
4+25	1.6177	7.35	| V Q	|	|	|	|
4+30	1.6695	7.53	| V Q	|	|	|	|
4+35	1.7218	7.58	| V Q	|	|	|	|
4+40	1.7741	7.60	| V Q	|	|	|	|
4+45	1.8265	7.61	| V Q	|	|	|	|
4+50	1.8804	7.83	| V Q	|	|	|	|
4+55	1.9385	8.44	| V Q	|	|	|	|
5+ 0	1.9978	8.61	| V Q	|	|	|	|
5+ 5	2.0546	8.24	| V Q	|	|	|	|
5+10	2.1030	7.03	| V Q	|	|	|	|
5+15	2.1490	6.69	| V Q	|	|	|	|
5+20	2.1958	6.79	| V Q	|	|	|	|
5+25	2.2466	7.37	| V Q	|	|	|	|
5+30	2.2984	7.53	| V Q	|	|	|	|
5+35	2.3522	7.80	| V Q	|	|	|	|
5+40	2.4102	8.43	| V Q	|	|	|	|
5+45	2.4695	8.61	| V Q	|	|	|	|

| | | |

16+10	24.1957	9.46		Q		V	
16+15	24.2371	6.01		Q		V	
16+20	24.2704	4.83		Q		V	
16+25	24.3017	4.54		Q		V	
16+30	24.3319	4.38		Q		V	
16+35	24.3603	4.13		Q		V	
16+40	24.3845	3.52	Q			V	
16+45	24.4076	3.35	Q			V	
16+50	24.4302	3.29	Q			V	
16+55	24.4527	3.27	Q			V	
17+ 0	24.4752	3.26	Q			V	
17+ 5	24.5007	3.70	Q			V	
17+10	24.5346	4.92		Q		V	
17+15	24.5709	5.28		Q		V	
17+20	24.6082	5.41		Q		V	
17+25	24.6457	5.45		Q		V	
17+30	24.6833	5.47		Q		V	
17+35	24.7211	5.48		Q		V	
17+40	24.7589	5.49		Q		V	
17+45	24.7968	5.50		Q		V	
17+50	24.8331	5.28		Q		V	
17+55	24.8650	4.62		Q		V	
18+ 0	24.8955	4.44		Q		V	
18+ 5	24.9257	4.37		Q		V	
18+10	24.9557	4.36		Q		V	
18+15	24.9856	4.35		Q		V	
18+20	25.0156	4.35		Q		V	
18+25	25.0455	4.35		Q		V	
18+30	25.0755	4.35		Q		V	
18+35	25.1039	4.13		Q		V	
18+40	25.1282	3.52	Q			V	
18+45	25.1512	3.35	Q			V	
18+50	25.1723	3.07	Q			V	
18+55	25.1891	2.44	Q			V	
19+ 0	25.2047	2.26	Q			V	
19+ 5	25.2214	2.42	Q			V	
19+10	25.2421	3.01	Q			V	
19+15	25.2640	3.18	Q			V	
19+20	25.2878	3.46	Q			V	
19+25	25.3159	4.08		Q		V	
19+30	25.3452	4.26		Q		V	
19+35	25.3735	4.11		Q		V	
19+40	25.3977	3.51	Q			V	
19+45	25.4207	3.34	Q			V	
19+50	25.4418	3.07	Q			V	
19+55	25.4587	2.44	Q			V	
20+ 0	25.4742	2.26	Q			V	
20+ 5	25.4909	2.42	Q			V	
20+10	25.5116	3.01	Q			V	
20+15	25.5335	3.18	Q			V	
20+20	25.5558	3.24	Q			V	
20+25	25.5782	3.25	Q			V	
20+30	25.6006	3.26	Q			V	
20+35	25.6231	3.26	Q			V	
20+40	25.6456	3.26	Q			V	
20+45	25.6680	3.26	Q			V	
20+50	25.6890	3.04	Q			V	
20+55	25.7057	2.43	Q			V	
21+ 0	25.7213	2.26	Q			V	
21+ 5	25.7379	2.42	Q			V	
21+10	25.7587	3.01	Q			V	
21+15	25.7806	3.18	Q			V	
21+20	25.8014	3.02	Q			V	
21+25	25.8180	2.42	Q			V	
21+30	25.8336	2.26	Q			V	
21+35	25.8502	2.42	Q			V	
21+40	25.8710	3.01	Q			V	
21+45	25.8929	3.18	Q			V	
21+50	25.9137	3.02	Q			V	
21+55	25.9303	2.42	Q			V	
22+ 0	25.9459	2.26	Q			V	
22+ 5	25.9625	2.42	Q			V	
22+10	25.9833	3.01	Q			V	
22+15	26.0052	3.18	Q			V	
22+20	26.0259	3.02	Q			V	
22+25	26.0426	2.42	Q			V	
22+30	26.0582	2.26	Q			V	
22+35	26.0733	2.20	Q			V	
22+40	26.0884	2.18	Q			V	
22+45	26.1033	2.18	Q			V	
22+50	26.1183	2.17	Q			V	
22+55	26.1333	2.17	Q			V	
23+ 0	26.1483	2.17	Q			V	
23+ 5	26.1632	2.17	Q			V	
23+10	26.1782	2.17	Q			V	
23+15	26.1932	2.17	Q			V	
23+20	26.2082	2.17	Q			V	
23+25	26.2231	2.17	Q			V	
23+30	26.2381	2.17	Q			V	
23+35	26.2531	2.17	Q			V	
23+40	26.2680	2.17	Q			V	
23+45	26.2830	2.17	Q			V	
23+50	26.2980	2.17	Q			V	
23+55	26.3130	2.17	Q			V	
24+ 0	26.3279	2.17	Q			V	
24+ 5	26.3399	1.74	Q			V	
24+10	26.3435	0.52	Q			V	
24+15	26.3446	0.17	Q			V	
24+20	26.3449	0.05	Q			V	
24+25	26.3451	0.02	Q			V	
24+30	26.3451	0.00	Q			V	

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  12/05/23 File: MESAP9C1003100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9C, 100-YR
7/19/23
------------------------------------------------------------------------
Drainage Area =       5.38(Ac.)  =      0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       5.38(Ac.)  =
0.008 Sq. Mi.
Length along longest watercourse =     816.00(Ft.)
Length along longest watercourse measured to centroid =     223.00(Ft.)
Length along longest watercourse =      0.155 Mi.
Length along longest watercourse measured to centroid =      0.042 Mi.
Difference in elevation =      78.00(Ft.)
Slope along watercourse =    504.7059 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.038 Hr.
Lag time =     2.28 Min.
25% of lag time =     0.57 Min.
40% of lag time =     0.91 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        5.38             0.94                    5.06

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        5.38             1.97                   10.60

STORM EVENT (YEAR) =  100.00

Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     3.130           70.00          0.000
     2.250           65.00          0.120
 Total Area Entered =      5.38(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.582      0.211
65.0  65.0      0.416     0.120        0.371       0.418      0.155
                                                Sum (F) =   0.366
Area averaged mean soil loss (F) (In/Hr) =  0.366
Minimum soil loss rate ((In/Hr)) =  0.183
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.860
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        219.038         45.885              2.488
    2   0.167        438.077         48.164              2.611
    3   0.250        657.115          5.223              0.283
    4   0.333        876.154          0.728              0.039
                              Sum = 100.000   Sum=       5.422
-------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)        Max   |   Low         (In/Hr)
  1   0.08     1.30      0.307       (  0.366)       0.264        0.043
  2   0.17     1.30      0.307       (  0.366)       0.264        0.043
  3   0.25     1.10      0.260       (  0.366)       0.224        0.036
  4   0.33     1.50      0.355       (  0.366)       0.305        0.050
  5   0.42     1.50      0.355       (  0.366)       0.305        0.050
  6   0.50     1.80      0.426          0.366    (  0.366)       0.060
  7   0.58     1.50      0.355       (  0.366)       0.305        0.050
  8   0.67     1.80      0.426          0.366    (  0.366)       0.060
  9   0.75     1.80      0.426          0.366    (  0.366)       0.060
 10   0.83     1.50      0.355       (  0.366)       0.305        0.050
 11   0.92     1.60      0.378       (  0.366)       0.325        0.053
 12   1.00     1.80      0.426          0.366    (  0.366)       0.060
 13   1.08     2.20      0.520          0.366    (  0.447)       0.154
 14   1.17     2.20      0.520          0.366    (  0.447)       0.154
 15   1.25     2.20      0.520          0.366    (  0.447)       0.154
```

16	1.33	2.00	0.473	0.366	(0.407)	0.107
17	1.42	2.60	0.615	0.366	(0.529)	0.249
18	1.50	2.70	0.638	0.366	(0.549)	0.272
19	1.58	2.40	0.567	0.366	(0.488)	0.202
20	1.67	2.70	0.638	0.366	(0.549)	0.272
21	1.75	3.30	0.780	0.366	(0.671)	0.414
22	1.83	3.10	0.733	0.366	(0.630)	0.367
23	1.92	2.90	0.686	0.366	(0.590)	0.320
24	2.00	3.00	0.709	0.366	(0.610)	0.343
25	2.08	3.10	0.733	0.366	(0.630)	0.367
26	2.17	4.20	0.993	0.366	(0.854)	0.627
27	2.25	5.00	1.182	0.366	(1.016)	0.816
28	2.33	3.50	0.827	0.366	(0.712)	0.462
29	2.42	6.80	1.607	0.366	(1.382)	1.242
30	2.50	7.30	1.726	0.366	(1.484)	1.360
31	2.58	8.20	1.938	0.366	(1.667)	1.573
32	2.67	5.90	1.395	0.366	(1.199)	1.029
33	2.75	2.00	0.473	0.366	(0.407)	0.107
34	2.83	1.80	0.426	0.366	(0.366)	0.060
35	2.92	1.80	0.426	0.366	(0.366)	0.060
36	3.00	0.60	0.142	(0.366)	0.122	0.020

(Loss Rate Not Used)

Sum = 100.0 Sum = 11.3

Flood volume = Effective rainfall 0.95(In)
times area 5.4(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 1.02(In)
Total soil loss = 0.459(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 18461.4 Cubic Feet
Total soil loss = 20010.6 Cubic Feet

Peak flow rate of this hydrograph = 7.838(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0007	0.11	Q				
0+10	0.0022	0.22	Q				
0+15	0.0037	0.22	Q				
0+20	0.0053	0.23	Q				
0+25	0.0072	0.27	VQ				
0+30	0.0092	0.29	VQ				
0+35	0.0112	0.30	|Q				
0+40	0.0133	0.30	|Q				
0+45	0.0155	0.32	|Q				
0+50	0.0175	0.30	|Q				
0+55	0.0195	0.28	|Q				
1+ 0	0.0216	0.30	|QV				
1+ 5	0.0254	0.56	| Q				
1+10	0.0309	0.81	| VQ				
1+15	0.0367	0.83	| Q				
1+20	0.0416	0.72	| QV				
1+25	0.0482	0.95	| QV				
1+30	0.0576	1.36	| Q				
1+35	0.0664	1.29	| QV				
1+40	0.0753	1.29	| Q V				
1+45	0.0878	1.81	| QV				
1+50	0.1021	2.08	| QV|				
1+55	0.1151	1.88	| Q V				
2+ 0	0.1276	1.81	| Q | V				
2+ 5	0.1408	1.92	| Q | V				
2+10	0.1589	2.63	| Q V				
2+15	0.1850	3.79	| Q V				
2+20	0.2089	3.47	| Q V|				
2+25	0.2403	4.55	| Q | V				
2+30	0.2870	6.79	| Q				
2+35	0.3410	7.84	| |QV				
2+40	0.3899	7.10	| Q | V				
2+45	0.4137	3.45	| Q | V				
2+50	0.4191	0.78	| Q | V				
2+55	0.4217	0.38	|Q | V				
3+ 0	0.4233	0.23	Q | V				
3+ 5	0.4238	0.07	Q | V				
3+10	0.4238	0.01	Q | V				
3+15	0.4238	0.00	Q | V				

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  12/05/23 File: MESAP9C1006100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 9C, 100-YR
7/19/23
------------------------------------------------------------------------
Drainage Area =       5.38(Ac.)  =      0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       5.38(Ac.)  =
0.008 Sq. Mi.
Length along longest watercourse =     816.00(Ft.)
Length along longest watercourse measured to centroid =     223.00(Ft.)
Length along longest watercourse =      0.155 Mi.
Length along longest watercourse measured to centroid =      0.042 Mi.
Difference in elevation =      78.00(Ft.)
Slope along watercourse =    504.7059 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.038 Hr.
Lag time =     2.28 Min.
25% of lag time =     0.57 Min.
40% of lag time =     0.91 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        5.38             1.35                    7.26

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        5.38             2.78                   14.96

STORM EVENT (YEAR) =  100.00

Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     3.130           70.00          0.000
     2.250           65.00          0.120
 Total Area Entered =      5.38(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.582      0.211
65.0  65.0      0.416     0.120        0.371       0.418      0.155
                                                 Sum (F) =   0.366
Area averaged mean soil loss (F) (In/Hr) =  0.366
Minimum soil loss rate ((In/Hr)) =  0.183
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.860
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        219.038         45.885              2.488
    2   0.167        438.077         48.164              2.611
    3   0.250        657.115          5.223              0.283
    4   0.333        876.154          0.728              0.039
                              Sum = 100.000   Sum=       5.422
-------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.50      0.167       (  0.366)       0.143        0.023
  2   0.17     0.60      0.200       (  0.366)       0.172        0.028
  3   0.25     0.60      0.200       (  0.366)       0.172        0.028
  4   0.33     0.60      0.200       (  0.366)       0.172        0.028
  5   0.42     0.60      0.200       (  0.366)       0.172        0.028
  6   0.50     0.70      0.234       (  0.366)       0.201        0.033
  7   0.58     0.70      0.234       (  0.366)       0.201        0.033
  8   0.67     0.70      0.234       (  0.366)       0.201        0.033
  9   0.75     0.70      0.234       (  0.366)       0.201        0.033
 10   0.83     0.70      0.234       (  0.366)       0.201        0.033
 11   0.92     0.70      0.234       (  0.366)       0.201        0.033
 12   1.00     0.80      0.267       (  0.366)       0.230        0.037
 13   1.08     0.80      0.267       (  0.366)       0.230        0.037
 14   1.17     0.80      0.267       (  0.366)       0.230        0.037
 15   1.25     0.80      0.267       (  0.366)       0.230        0.037
```

16	1.33	0.80	0.267	(0.366)	0.230	0.037
17	1.42	0.80	0.267	(0.366)	0.230	0.037
18	1.50	0.80	0.267	(0.366)	0.230	0.037
19	1.58	0.80	0.267	(0.366)	0.230	0.037
20	1.67	0.80	0.267	(0.366)	0.230	0.037
21	1.75	0.80	0.267	(0.366)	0.230	0.037
22	1.83	0.80	0.267	(0.366)	0.230	0.037
23	1.92	0.80	0.267	(0.366)	0.230	0.037
24	2.00	0.90	0.300	(0.366)	0.258	0.042
25	2.08	0.80	0.267	(0.366)	0.230	0.037
26	2.17	0.90	0.300	(0.366)	0.258	0.042
27	2.25	0.90	0.300	(0.366)	0.258	0.042
28	2.33	0.90	0.300	(0.366)	0.258	0.042
29	2.42	0.90	0.300	(0.366)	0.258	0.042
30	2.50	0.90	0.300	(0.366)	0.258	0.042
31	2.58	0.90	0.300	(0.366)	0.258	0.042
32	2.67	0.90	0.300	(0.366)	0.258	0.042
33	2.75	1.00	0.334	(0.366)	0.287	0.047
34	2.83	1.00	0.334	(0.366)	0.287	0.047
35	2.92	1.00	0.334	(0.366)	0.287	0.047
36	3.00	1.00	0.334	(0.366)	0.287	0.047
37	3.08	1.00	0.334	(0.366)	0.287	0.047
38	3.17	1.10	0.367	(0.366)	0.316	0.051
39	3.25	1.10	0.367	(0.366)	0.316	0.051
40	3.33	1.10	0.367	(0.366)	0.316	0.051
41	3.42	1.20	0.400	(0.366)	0.344	0.056
42	3.50	1.30	0.434	0.366	(0.373)	0.068
43	3.58	1.40	0.467	0.366	(0.402)	0.101
44	3.67	1.40	0.467	0.366	(0.402)	0.101
45	3.75	1.50	0.500	0.366	(0.430)	0.135
46	3.83	1.50	0.500	0.366	(0.430)	0.135
47	3.92	1.60	0.534	0.366	(0.459)	0.168
48	4.00	1.60	0.534	0.366	(0.459)	0.168
49	4.08	1.70	0.567	0.366	(0.488)	0.201
50	4.17	1.80	0.600	0.366	(0.516)	0.235
51	4.25	1.90	0.634	0.366	(0.545)	0.268
52	4.33	2.00	0.667	0.366	(0.574)	0.301
53	4.42	2.10	0.701	0.366	(0.602)	0.335
54	4.50	2.10	0.701	0.366	(0.602)	0.335
55	4.58	2.20	0.734	0.366	(0.631)	0.368
56	4.67	2.30	0.767	0.366	(0.660)	0.401
57	4.75	2.40	0.801	0.366	(0.689)	0.435
58	4.83	2.40	0.801	0.366	(0.689)	0.435
59	4.92	2.50	0.834	0.366	(0.717)	0.468
60	5.00	2.60	0.867	0.366	(0.746)	0.502
61	5.08	3.10	1.034	0.366	(0.889)	0.668
62	5.17	3.60	1.201	0.366	(1.033)	0.835
63	5.25	3.90	1.301	0.366	(1.119)	0.935
64	5.33	4.20	1.401	0.366	(1.205)	1.035
65	5.42	4.70	1.568	0.366	(1.348)	1.202
66	5.50	5.60	1.868	0.366	(1.607)	1.502
67	5.58	1.90	0.634	0.366	(0.545)	0.268
68	5.67	0.90	0.300	(0.366)	0.258	0.042
69	5.75	0.60	0.200	(0.366)	0.172	0.028
70	5.83	0.50	0.167	(0.366)	0.143	0.023
71	5.92	0.30	0.100	(0.366)	0.086	0.014
72	6.00	0.20	0.067	(0.366)	0.057	0.009

(Loss Rate Not Used)

Sum = 100.0 Sum = 13.3

Flood volume = Effective rainfall 1.11(In)
times area 5.4(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)

Total soil loss = 1.67(In)
Total soil loss = 0.749(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 21677.4 Cubic Feet
Total soil loss = 32613.3 Cubic Feet

Peak flow rate of this hydrograph = 7.211(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0004	0.06	Q				
0+10	0.0013	0.13	Q				
0+15	0.0023	0.15	Q				
0+20	0.0034	0.15	Q				
0+25	0.0044	0.15	Q				
0+30	0.0056	0.16	Q				
0+35	0.0068	0.18	Q				
0+40	0.0080	0.18	Q				
0+45	0.0092	0.18	Q				
0+50	0.0104	0.18	Q				
0+55	0.0116	0.18	Q				
1+ 0	0.0129	0.19	QV				
1+ 5	0.0143	0.20	QV				
1+10	0.0157	0.20	QV				
1+15	0.0171	0.20	QV				
1+20	0.0185	0.20	QV				
1+25	0.0199	0.20	QV				
1+30	0.0213	0.20	QV				
1+35	0.0227	0.20	QV				
1+40	0.0241	0.20	QV				
1+45	0.0255	0.20	Q V				
1+50	0.0269	0.20	Q V				
1+55	0.0283	0.20	Q V				
2+ 0	0.0298	0.21	Q V				
2+ 5	0.0312	0.21	Q V				
2+10	0.0327	0.22	Q V				
2+15	0.0343	0.23	Q V				
2+20	0.0359	0.23	Q V				
2+25	0.0374	0.23	Q V				
2+30	0.0390	0.23	Q V				
2+35	0.0406	0.23	Q V				
2+40	0.0421	0.23	Q V				
2+45	0.0438	0.24	Q V				
2+50	0.0455	0.25	|Q V				
2+55	0.0473	0.25	|Q V				
3+ 0	0.0490	0.25	|Q V				
3+ 5	0.0508	0.25	|Q V				
3+10	0.0526	0.26	|Q V				
3+15	0.0545	0.28	|Q V				
3+20	0.0564	0.28	|Q V				
3+25	0.0584	0.29	|Q V				
3+30	0.0607	0.33	|Q V				
3+35	0.0638	0.45	|Q V				
3+40	0.0675	0.54	| Q V				

```
   3+45      0.0718      0.63  | Q  V    |         |         |         |
   3+50      0.0768      0.72  | Q   V   |         |         |         |
   3+55      0.0824      0.81  |  Q  V   |         |         |         |
   4+ 0      0.0886      0.90  |  Q   V  |         |         |         |
   4+ 5      0.0954      0.99  |  Q   V  |         |         |         |
   4+10      0.1034      1.16  |   Q   V |         |         |         |
   4+15      0.1127      1.34  |    Q   V|         |         |         |
   4+20      0.1232      1.52  |     Q  V|         |         |         |
   4+25      0.1349      1.71  |     Q   V         |         |         |
   4+30      0.1474      1.80  |      Q  |V        |         |         |
   4+35      0.1604      1.90  |      Q  | V       |         |         |
   4+40      0.1747      2.07  |       Q |   V     |         |         |
   4+45      0.1902      2.25  |       Q |    V    |         |         |
   4+50      0.2063      2.35  |        Q|     V   |         |         |
   4+55      0.2231      2.44  |        Q|      V  |         |         |
   5+ 0      0.2411      2.61  |         Q        V|         |         |
   5+ 5      0.2626      3.12  |          | Q       |V        |         |
   5+10      0.2901      3.99  |          |    Q    |  V      |         |
   5+15      0.3226      4.72  |          |       Q |    V    |         |
   5+20      0.3590      5.28  |          |         |Q      V |         |
   5+25      0.4003      6.00  |          |         |  Q      | V       |
   5+30      0.4499      7.21  |          |         |       Q |     V   |
   5+35      0.4842      4.97  |          |        Q|         |       V |
   5+40      0.4930      1.28  |    Q     |         |         |        V|
   5+45      0.4952      0.31  |Q         |         |         |        V|
   5+50      0.4962      0.15  Q          |         |         |        V|
   5+55      0.4970      0.11  Q          |         |         |        V|
   6+ 0      0.4974      0.07  Q          |         |         |        V|
   6+ 5      0.4976      0.03  Q          |         |         |        V|
   6+10      0.4976      0.00  Q          |         |         |        V|
   6+15      0.4976      0.00  Q          |         |         |        V|
-------------------------------------------------------------------------
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```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  12/05/23 File: MESAP9C10024100.out


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 Riverside County Synthetic Unit Hydrology Method
 RCFC & WCD Manual date - April 1978


 Program License Serial Number 6406

 ------------------------------------------------------------------------
  English (in-lb) Input Units Used
  English Rainfall Data (Inches) Input Values Used

  English Units used in output format



 ------------------------------------------------------------------------
 MESA VERDE ESTATES
 PROPOSED CONDITION
 AREA 9C, 100-YR
 7/19/23
 ------------------------------------------------------------------------
 Drainage Area =       5.38(Ac.)  =      0.008 Sq. Mi.
 Drainage Area for Depth-Area Areal Adjustment =       5.38(Ac.)  =
0.008 Sq. Mi.
 Length along longest watercourse =     816.00(Ft.)
 Length along longest watercourse measured to centroid =     223.00(Ft.)
 Length along longest watercourse =      0.155 Mi.
 Length along longest watercourse measured to centroid =      0.042 Mi.
 Difference in elevation =      78.00(Ft.)
 Slope along watercourse =    504.7059 Ft./Mi.
 Average Manning's 'N' = 0.035
 Lag time =    0.038 Hr.
 Lag time =     2.28 Min.
 25% of lag time =     0.57 Min.
 40% of lag time =     0.91 Min.
 Unit time =     5.00 Min.
 Duration of storm = 24 Hour(s)
 User Entered Base Flow =     0.00(CFS)

 2 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
         5.38             2.45                 13.18

 100 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
         5.38             6.08                 32.71

 STORM EVENT (YEAR) =  100.00

 Area Averaged 2-Year Rainfall =    2.450(In)
 Area Averaged 100-Year Rainfall =    6.080(In)

 Point rain (area averaged) =    6.080(In)
 Areal adjustment factor =  100.00 %
 Adjusted average point rain =    6.080(In)

 Sub-Area Data:
 Area(Ac.)         Runoff Index   Impervious %
      3.130           70.00          0.000
      2.250           65.00          0.120
  Total Area Entered =      5.38(Ac.)


 RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
 AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
 70.0  70.0      0.362     0.000        0.362       0.582      0.211
 65.0  65.0      0.416     0.120        0.371       0.418      0.155
                                                 Sum (F) =   0.366
 Area averaged mean soil loss (F) (In/Hr) =  0.366
 Minimum soil loss rate ((In/Hr)) =  0.183
 (for 24 hour storm duration)
 Soil low loss rate (decimal) =   0.860
 ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                         FOOTHILL S-Curve
 ------------------------------------------------------------------------
                 Unit Hydrograph Data
 ------------------------------------------------------------------------
 Unit time period   Time % of lag   Distribution   Unit Hydrograph
     (hrs)                          Graph %           (CFS)
 ------------------------------------------------------------------------
     1   0.083        219.038         45.885              2.488
     2   0.167        438.077         48.164              2.611
     3   0.250        657.115          5.223              0.283
     4   0.333        876.154          0.728              0.039
                                Sum = 100.000   Sum=       5.422
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
   1   0.08     0.07      0.049       (  0.648)       0.042        0.007
   2   0.17     0.07      0.049       (  0.646)       0.042        0.007
   3   0.25     0.07      0.049       (  0.643)       0.042        0.007
   4   0.33     0.10      0.073       (  0.641)       0.063        0.010
   5   0.42     0.10      0.073       (  0.638)       0.063        0.010
   6   0.50     0.10      0.073       (  0.636)       0.063        0.010
   7   0.58     0.10      0.073       (  0.633)       0.063        0.010
   8   0.67     0.10      0.073       (  0.631)       0.063        0.010
   9   0.75     0.10      0.073       (  0.629)       0.063        0.010
  10   0.83     0.13      0.097       (  0.626)       0.084        0.014
  11   0.92     0.13      0.097       (  0.624)       0.084        0.014
  12   1.00     0.13      0.097       (  0.621)       0.084        0.014
  13   1.08     0.10      0.073       (  0.619)       0.063        0.010
  14   1.17     0.10      0.073       (  0.616)       0.063        0.010
  15   1.25     0.10      0.073       (  0.614)       0.063        0.010
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16	1.33	0.10	0.073	(0.611)	0.063	0.010
17	1.42	0.10	0.073	(0.609)	0.063	0.010
18	1.50	0.10	0.073	(0.606)	0.063	0.010
19	1.58	0.10	0.073	(0.604)	0.063	0.010
20	1.67	0.10	0.073	(0.602)	0.063	0.010
21	1.75	0.10	0.073	(0.599)	0.063	0.010
22	1.83	0.13	0.097	(0.597)	0.084	0.014
23	1.92	0.13	0.097	(0.594)	0.084	0.014
24	2.00	0.13	0.097	(0.592)	0.084	0.014
25	2.08	0.13	0.097	(0.590)	0.084	0.014
26	2.17	0.13	0.097	(0.587)	0.084	0.014
27	2.25	0.13	0.097	(0.585)	0.084	0.014
28	2.33	0.13	0.097	(0.582)	0.084	0.014
29	2.42	0.13	0.097	(0.580)	0.084	0.014
30	2.50	0.13	0.097	(0.578)	0.084	0.014
31	2.58	0.17	0.122	(0.575)	0.105	0.017
32	2.67	0.17	0.122	(0.573)	0.105	0.017
33	2.75	0.17	0.122	(0.571)	0.105	0.017
34	2.83	0.17	0.122	(0.568)	0.105	0.017
35	2.92	0.17	0.122	(0.566)	0.105	0.017
36	3.00	0.17	0.122	(0.564)	0.105	0.017
37	3.08	0.17	0.122	(0.561)	0.105	0.017
38	3.17	0.17	0.122	(0.559)	0.105	0.017
39	3.25	0.17	0.122	(0.557)	0.105	0.017
40	3.33	0.17	0.122	(0.554)	0.105	0.017
41	3.42	0.17	0.122	(0.552)	0.105	0.017
42	3.50	0.17	0.122	(0.550)	0.105	0.017
43	3.58	0.17	0.122	(0.547)	0.105	0.017
44	3.67	0.17	0.122	(0.545)	0.105	0.017
45	3.75	0.17	0.122	(0.543)	0.105	0.017
46	3.83	0.20	0.146	(0.540)	0.125	0.020
47	3.92	0.20	0.146	(0.538)	0.125	0.020
48	4.00	0.20	0.146	(0.536)	0.125	0.020
49	4.08	0.20	0.146	(0.534)	0.125	0.020
50	4.17	0.20	0.146	(0.531)	0.125	0.020
51	4.25	0.20	0.146	(0.529)	0.125	0.020
52	4.33	0.23	0.170	(0.527)	0.146	0.024
53	4.42	0.23	0.170	(0.525)	0.146	0.024
54	4.50	0.23	0.170	(0.522)	0.146	0.024
55	4.58	0.23	0.170	(0.520)	0.146	0.024
56	4.67	0.23	0.170	(0.518)	0.146	0.024
57	4.75	0.23	0.170	(0.516)	0.146	0.024
58	4.83	0.27	0.195	(0.513)	0.167	0.027
59	4.92	0.27	0.195	(0.511)	0.167	0.027
60	5.00	0.27	0.195	(0.509)	0.167	0.027
61	5.08	0.20	0.146	(0.507)	0.125	0.020
62	5.17	0.20	0.146	(0.505)	0.125	0.020
63	5.25	0.20	0.146	(0.502)	0.125	0.020
64	5.33	0.23	0.170	(0.500)	0.146	0.024
65	5.42	0.23	0.170	(0.498)	0.146	0.024
66	5.50	0.23	0.170	(0.496)	0.146	0.024
67	5.58	0.27	0.195	(0.494)	0.167	0.027
68	5.67	0.27	0.195	(0.491)	0.167	0.027
69	5.75	0.27	0.195	(0.489)	0.167	0.027
70	5.83	0.27	0.195	(0.487)	0.167	0.027
71	5.92	0.27	0.195	(0.485)	0.167	0.027
72	6.00	0.27	0.195	(0.483)	0.167	0.027
73	6.08	0.30	0.219	(0.481)	0.188	0.031
74	6.17	0.30	0.219	(0.479)	0.188	0.031
75	6.25	0.30	0.219	(0.476)	0.188	0.031
76	6.33	0.30	0.219	(0.474)	0.188	0.031
77	6.42	0.30	0.219	(0.472)	0.188	0.031
78	6.50	0.30	0.219	(0.470)	0.188	0.031
79	6.58	0.33	0.243	(0.468)	0.209	0.034
80	6.67	0.33	0.243	(0.466)	0.209	0.034
81	6.75	0.33	0.243	(0.464)	0.209	0.034
82	6.83	0.33	0.243	(0.462)	0.209	0.034
83	6.92	0.33	0.243	(0.460)	0.209	0.034
84	7.00	0.33	0.243	(0.457)	0.209	0.034
85	7.08	0.33	0.243	(0.455)	0.209	0.034
86	7.17	0.33	0.243	(0.453)	0.209	0.034
87	7.25	0.33	0.243	(0.451)	0.209	0.034
88	7.33	0.37	0.268	(0.449)	0.230	0.037
89	7.42	0.37	0.268	(0.447)	0.230	0.037
90	7.50	0.37	0.268	(0.445)	0.230	0.037
91	7.58	0.40	0.292	(0.443)	0.251	0.041
92	7.67	0.40	0.292	(0.441)	0.251	0.041
93	7.75	0.40	0.292	(0.439)	0.251	0.041
94	7.83	0.43	0.316	(0.437)	0.272	0.044
95	7.92	0.43	0.316	(0.435)	0.272	0.044
96	8.00	0.43	0.316	(0.433)	0.272	0.044
97	8.08	0.50	0.365	(0.431)	0.314	0.051
98	8.17	0.50	0.365	(0.429)	0.314	0.051
99	8.25	0.50	0.365	(0.427)	0.314	0.051
100	8.33	0.50	0.365	(0.425)	0.314	0.051
101	8.42	0.50	0.365	(0.423)	0.314	0.051
102	8.50	0.50	0.365	(0.421)	0.314	0.051
103	8.58	0.53	0.389	(0.419)	0.335	0.054
104	8.67	0.53	0.389	(0.417)	0.335	0.054
105	8.75	0.53	0.389	(0.415)	0.335	0.054
106	8.83	0.57	0.413	(0.413)	0.356	0.058
107	8.92	0.57	0.413	(0.411)	0.356	0.058
108	9.00	0.57	0.413	(0.409)	0.356	0.058
109	9.08	0.63	0.462	(0.407)	0.397	0.065
110	9.17	0.63	0.462	(0.405)	0.397	0.065
111	9.25	0.63	0.462	(0.403)	0.397	0.065
112	9.33	0.67	0.486	0.401	(0.418)	0.085
113	9.42	0.67	0.486	0.400	(0.418)	0.087
114	9.50	0.67	0.486	0.398	(0.418)	0.089
115	9.58	0.70	0.511	0.396	(0.439)	0.115
116	9.67	0.70	0.511	0.394	(0.439)	0.117
117	9.75	0.70	0.511	0.392	(0.439)	0.119
118	9.83	0.73	0.535	0.390	(0.460)	0.145
119	9.92	0.73	0.535	0.388	(0.460)	0.147
120	10.00	0.73	0.535	0.386	(0.460)	0.149
121	10.08	0.50	0.365	(0.384)	0.314	0.051
122	10.17	0.50	0.365	(0.383)	0.314	0.051
123	10.25	0.50	0.365	(0.381)	0.314	0.051
124	10.33	0.50	0.365	(0.379)	0.314	0.051
125	10.42	0.50	0.365	(0.377)	0.314	0.051
126	10.50	0.50	0.365	(0.375)	0.314	0.051
127	10.58	0.67	0.486	0.373	(0.418)	0.113
128	10.67	0.67	0.486	0.372	(0.418)	0.115
129	10.75	0.67	0.486	0.370	(0.418)	0.117
130	10.83	0.67	0.486	0.368	(0.418)	0.119
131	10.92	0.67	0.486	0.366	(0.418)	0.120
132	11.00	0.67	0.486	0.364	(0.418)	0.122
133	11.08	0.63	0.462	0.362	(0.397)	0.100
134	11.17	0.63	0.462	0.361	(0.397)	0.101
135	11.25	0.63	0.462	0.359	(0.397)	0.103
136	11.33	0.63	0.462	0.357	(0.397)	0.105
137	11.42	0.63	0.462	0.355	(0.397)	0.107

138	11.50	0.63	0.462	0.354	(0.397)	0.108
139	11.58	0.57	0.413	0.352	(0.356)	0.062
140	11.67	0.57	0.413	0.350	(0.356)	0.063
141	11.75	0.57	0.413	0.348	(0.356)	0.065
142	11.83	0.60	0.438	0.347	(0.376)	0.091
143	11.92	0.60	0.438	0.345	(0.376)	0.093
144	12.00	0.60	0.438	0.343	(0.376)	0.095
145	12.08	0.83	0.608	0.341	(0.523)	0.267
146	12.17	0.83	0.608	0.340	(0.523)	0.268
147	12.25	0.83	0.608	0.338	(0.523)	0.270
148	12.33	0.87	0.632	0.336	(0.544)	0.296
149	12.42	0.87	0.632	0.335	(0.544)	0.298
150	12.50	0.87	0.632	0.333	(0.544)	0.299
151	12.58	0.93	0.681	0.331	(0.586)	0.350
152	12.67	0.93	0.681	0.330	(0.586)	0.351
153	12.75	0.93	0.681	0.328	(0.586)	0.353
154	12.83	0.97	0.705	0.326	(0.607)	0.379
155	12.92	0.97	0.705	0.325	(0.607)	0.381
156	13.00	0.97	0.705	0.323	(0.607)	0.382
157	13.08	1.13	0.827	0.321	(0.711)	0.505
158	13.17	1.13	0.827	0.320	(0.711)	0.507
159	13.25	1.13	0.827	0.318	(0.711)	0.509
160	13.33	1.13	0.827	0.317	(0.711)	0.510
161	13.42	1.13	0.827	0.315	(0.711)	0.512
162	13.50	1.13	0.827	0.313	(0.711)	0.514
163	13.58	0.77	0.559	0.312	(0.481)	0.248
164	13.67	0.77	0.559	0.310	(0.481)	0.249
165	13.75	0.77	0.559	0.309	(0.481)	0.251
166	13.83	0.77	0.559	0.307	(0.481)	0.252
167	13.92	0.77	0.559	0.305	(0.481)	0.254
168	14.00	0.77	0.559	0.304	(0.481)	0.256
169	14.08	0.90	0.657	0.302	(0.565)	0.354
170	14.17	0.90	0.657	0.301	(0.565)	0.356
171	14.25	0.90	0.657	0.299	(0.565)	0.357
172	14.33	0.87	0.632	0.298	(0.544)	0.335
173	14.42	0.87	0.632	0.296	(0.544)	0.336
174	14.50	0.87	0.632	0.295	(0.544)	0.338
175	14.58	0.87	0.632	0.293	(0.544)	0.339
176	14.67	0.87	0.632	0.292	(0.544)	0.341
177	14.75	0.87	0.632	0.290	(0.544)	0.342
178	14.83	0.83	0.608	0.289	(0.523)	0.319
179	14.92	0.83	0.608	0.287	(0.523)	0.321
180	15.00	0.83	0.608	0.286	(0.523)	0.322
181	15.08	0.80	0.584	0.284	(0.502)	0.299
182	15.17	0.80	0.584	0.283	(0.502)	0.301
183	15.25	0.80	0.584	0.281	(0.502)	0.302
184	15.33	0.77	0.559	0.280	(0.481)	0.279
185	15.42	0.77	0.559	0.278	(0.481)	0.281
186	15.50	0.77	0.559	0.277	(0.481)	0.282
187	15.58	0.63	0.462	0.276	(0.397)	0.186
188	15.67	0.63	0.462	0.274	(0.397)	0.188
189	15.75	0.63	0.462	0.273	(0.397)	0.189
190	15.83	0.63	0.462	0.271	(0.397)	0.191
191	15.92	0.63	0.462	0.270	(0.397)	0.192
192	16.00	0.63	0.462	0.269	(0.397)	0.193
193	16.08	0.13	0.097	(0.267)	0.084	0.014
194	16.17	0.13	0.097	(0.266)	0.084	0.014
195	16.25	0.13	0.097	(0.265)	0.084	0.014
196	16.33	0.13	0.097	(0.263)	0.084	0.014
197	16.42	0.13	0.097	(0.262)	0.084	0.014
198	16.50	0.13	0.097	(0.261)	0.084	0.014
199	16.58	0.10	0.073	(0.259)	0.063	0.010
200	16.67	0.10	0.073	(0.258)	0.063	0.010
201	16.75	0.10	0.073	(0.257)	0.063	0.010
202	16.83	0.10	0.073	(0.255)	0.063	0.010
203	16.92	0.10	0.073	(0.254)	0.063	0.010
204	17.00	0.10	0.073	(0.253)	0.063	0.010
205	17.08	0.17	0.122	(0.251)	0.105	0.017
206	17.17	0.17	0.122	(0.250)	0.105	0.017
207	17.25	0.17	0.122	(0.249)	0.105	0.017
208	17.33	0.17	0.122	(0.248)	0.105	0.017
209	17.42	0.17	0.122	(0.246)	0.105	0.017
210	17.50	0.17	0.122	(0.245)	0.105	0.017
211	17.58	0.17	0.122	(0.244)	0.105	0.017
212	17.67	0.17	0.122	(0.243)	0.105	0.017
213	17.75	0.17	0.122	(0.241)	0.105	0.017
214	17.83	0.13	0.097	(0.240)	0.084	0.014
215	17.92	0.13	0.097	(0.239)	0.084	0.014
216	18.00	0.13	0.097	(0.238)	0.084	0.014
217	18.08	0.13	0.097	(0.237)	0.084	0.014
218	18.17	0.13	0.097	(0.236)	0.084	0.014
219	18.25	0.13	0.097	(0.234)	0.084	0.014
220	18.33	0.13	0.097	(0.233)	0.084	0.014
221	18.42	0.13	0.097	(0.232)	0.084	0.014
222	18.50	0.13	0.097	(0.231)	0.084	0.014
223	18.58	0.10	0.073	(0.230)	0.063	0.010
224	18.67	0.10	0.073	(0.229)	0.063	0.010
225	18.75	0.10	0.073	(0.228)	0.063	0.010
226	18.83	0.07	0.049	(0.227)	0.042	0.007
227	18.92	0.07	0.049	(0.226)	0.042	0.007
228	19.00	0.07	0.049	(0.224)	0.042	0.007
229	19.08	0.10	0.073	(0.223)	0.063	0.010
230	19.17	0.10	0.073	(0.222)	0.063	0.010
231	19.25	0.10	0.073	(0.221)	0.063	0.010
232	19.33	0.13	0.097	(0.220)	0.084	0.014
233	19.42	0.13	0.097	(0.219)	0.084	0.014
234	19.50	0.13	0.097	(0.218)	0.084	0.014
235	19.58	0.10	0.073	(0.217)	0.063	0.010
236	19.67	0.10	0.073	(0.216)	0.063	0.010
237	19.75	0.10	0.073	(0.215)	0.063	0.010
238	19.83	0.07	0.049	(0.214)	0.042	0.007
239	19.92	0.07	0.049	(0.213)	0.042	0.007
240	20.00	0.07	0.049	(0.212)	0.042	0.007
241	20.08	0.10	0.073	(0.211)	0.063	0.010
242	20.17	0.10	0.073	(0.211)	0.063	0.010
243	20.25	0.10	0.073	(0.210)	0.063	0.010
244	20.33	0.10	0.073	(0.209)	0.063	0.010
245	20.42	0.10	0.073	(0.208)	0.063	0.010
246	20.50	0.10	0.073	(0.207)	0.063	0.010
247	20.58	0.10	0.073	(0.206)	0.063	0.010
248	20.67	0.10	0.073	(0.205)	0.063	0.010
249	20.75	0.10	0.073	(0.204)	0.063	0.010
250	20.83	0.07	0.049	(0.204)	0.042	0.007
251	20.92	0.07	0.049	(0.203)	0.042	0.007
252	21.00	0.07	0.049	(0.202)	0.042	0.007
253	21.08	0.10	0.073	(0.201)	0.063	0.010
254	21.17	0.10	0.073	(0.200)	0.063	0.010
255	21.25	0.10	0.073	(0.200)	0.063	0.010
256	21.33	0.07	0.049	(0.199)	0.042	0.007
257	21.42	0.07	0.049	(0.198)	0.042	0.007
258	21.50	0.07	0.049	(0.197)	0.042	0.007
259	21.58	0.10	0.073	(0.197)	0.063	0.010

260	21.67	0.10	0.073	(0.196)	0.063	0.010
261	21.75	0.10	0.073	(0.195)	0.063	0.010
262	21.83	0.07	0.049	(0.194)	0.042	0.007
263	21.92	0.07	0.049	(0.194)	0.042	0.007
264	22.00	0.07	0.049	(0.193)	0.042	0.007
265	22.08	0.10	0.073	(0.192)	0.063	0.010
266	22.17	0.10	0.073	(0.192)	0.063	0.010
267	22.25	0.10	0.073	(0.191)	0.063	0.010
268	22.33	0.07	0.049	(0.191)	0.042	0.007
269	22.42	0.07	0.049	(0.190)	0.042	0.007
270	22.50	0.07	0.049	(0.190)	0.042	0.007
271	22.58	0.07	0.049	(0.189)	0.042	0.007
272	22.67	0.07	0.049	(0.188)	0.042	0.007
273	22.75	0.07	0.049	(0.188)	0.042	0.007
274	22.83	0.07	0.049	(0.187)	0.042	0.007
275	22.92	0.07	0.049	(0.187)	0.042	0.007
276	23.00	0.07	0.049	(0.187)	0.042	0.007
277	23.08	0.07	0.049	(0.186)	0.042	0.007
278	23.17	0.07	0.049	(0.186)	0.042	0.007
279	23.25	0.07	0.049	(0.185)	0.042	0.007
280	23.33	0.07	0.049	(0.185)	0.042	0.007
281	23.42	0.07	0.049	(0.185)	0.042	0.007
282	23.50	0.07	0.049	(0.184)	0.042	0.007
283	23.58	0.07	0.049	(0.184)	0.042	0.007
284	23.67	0.07	0.049	(0.184)	0.042	0.007
285	23.75	0.07	0.049	(0.183)	0.042	0.007
286	23.83	0.07	0.049	(0.183)	0.042	0.007
287	23.92	0.07	0.049	(0.183)	0.042	0.007
288	24.00	0.07	0.049	(0.183)	0.042	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 22.5

Flood volume = Effective rainfall 1.87(In)
times area 5.4(Ac.)/[(In)/(Ft.)] = 0.8(Ac.Ft)
Total soil loss = 4.21(In)
Total soil loss = 1.886(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 36576.7 Cubic Feet
Total soil loss = 82160.8 Cubic Feet

Peak flow rate of this hydrograph = 2.781(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0004	0.03	Q				
0+15	0.0006	0.04	Q				
0+20	0.0009	0.05	Q				
0+25	0.0013	0.05	Q				
0+30	0.0017	0.06	Q				
0+35	0.0021	0.06	Q				
0+40	0.0024	0.06	Q				
0+45	0.0028	0.06	Q				
0+50	0.0033	0.06	Q				
0+55	0.0038	0.07	Q				
1+ 0	0.0043	0.07	Q				
1+ 5	0.0047	0.07	Q				
1+10	0.0051	0.06	Q				
1+15	0.0055	0.06	Q				
1+20	0.0059	0.06	Q				
1+25	0.0063	0.06	Q				
1+30	0.0066	0.06	Q				
1+35	0.0070	0.06	Q				
1+40	0.0074	0.06	Q				
1+45	0.0078	0.06	Q				
1+50	0.0082	0.06	Q				
1+55	0.0087	0.07	Q				
2+ 0	0.0092	0.07	Q				
2+ 5	0.0097	0.07	Q				
2+10	0.0102	0.07	Q				
2+15	0.0108	0.07	Q				
2+20	0.0113	0.07	Q				
2+25	0.0118	0.07	Q				
2+30	0.0123	0.07	Q				
2+35	0.0129	0.08	Q				
2+40	0.0135	0.09	Q				
2+45	0.0141	0.09	Q				
2+50	0.0148	0.09	Q				
2+55	0.0154	0.09	Q				
3+ 0	0.0160	0.09	Q				
3+ 5	0.0167	0.09	Q				
3+10	0.0173	0.09	Q				
3+15	0.0179	0.09	Q				
3+20	0.0186	0.09	Q				
3+25	0.0192	0.09	Q				
3+30	0.0198	0.09	Q				
3+35	0.0205	0.09	Q				
3+40	0.0211	0.09	QV				
3+45	0.0217	0.09	QV				
3+50	0.0224	0.10	QV				
3+55	0.0232	0.11	QV				
4+ 0	0.0240	0.11	QV				
4+ 5	0.0247	0.11	QV				
4+10	0.0255	0.11	QV				
4+15	0.0262	0.11	QV				
4+20	0.0271	0.12	QV				
4+25	0.0280	0.13	QV				
4+30	0.0288	0.13	QV				
4+35	0.0297	0.13	QV				
4+40	0.0306	0.13	QV				
4+45	0.0315	0.13	QV				
4+50	0.0325	0.14	QV				
4+55	0.0335	0.15	QV				
5+ 0	0.0345	0.15	QV				
5+ 5	0.0354	0.13	QV				
5+10	0.0362	0.11	QV				
5+15	0.0369	0.11	QV				
5+20	0.0378	0.12	QV				
5+25	0.0386	0.13	QV				
5+30	0.0395	0.13	QV				
5+35	0.0405	0.14	QV				
5+40	0.0415	0.15	QV				
5+45	0.0425	0.15	Q V				
5+50	0.0435	0.15	Q V				
5+55	0.0445	0.15	Q V				
6+ 0	0.0456	0.15	Q V				

```
 6+ 5      0.0466      0.16  Q V       |         |         |         |
 6+10      0.0478      0.17  Q V       |         |         |         |
 6+15      0.0489      0.17  Q V       |         |         |         |
 6+20      0.0501      0.17  Q V       |         |         |         |
 6+25      0.0512      0.17  Q V       |         |         |         |
 6+30      0.0523      0.17  Q V       |         |         |         |
 6+35      0.0536      0.17  Q V       |         |         |         |
 6+40      0.0548      0.18  Q V       |         |         |         |
 6+45      0.0561      0.18  Q V       |         |         |         |
 6+50      0.0574      0.18  Q V       |         |         |         |
 6+55      0.0586      0.18  Q V       |         |         |         |
 7+ 0      0.0599      0.18  Q V       |         |         |         |
 7+ 5      0.0612      0.18  Q V       |         |         |         |
 7+10      0.0624      0.18  Q V       |         |         |         |
 7+15      0.0637      0.18  Q  V      |         |         |         |
 7+20      0.0651      0.19  Q  V      |         |         |         |
 7+25      0.0664      0.20  Q  V      |         |         |         |
 7+30      0.0678      0.20  Q  V      |         |         |         |
 7+35      0.0693      0.21  Q  V      |         |         |         |
 7+40      0.0708      0.22  Q  V      |         |         |         |
 7+45      0.0723      0.22  Q  V      |         |         |         |
 7+50      0.0739      0.23  Q  V      |         |         |         |
 7+55      0.0756      0.24  Q  V      |         |         |         |
 8+ 0      0.0772      0.24  Q  V      |         |         |         |
 8+ 5      0.0790      0.26  |Q V      |         |         |         |
 8+10      0.0809      0.27  |Q V      |         |         |         |
 8+15      0.0828      0.28  |Q V      |         |         |         |
 8+20      0.0847      0.28  |Q  V     |         |         |         |
 8+25      0.0866      0.28  |Q  V     |         |         |         |
 8+30      0.0885      0.28  |Q  V     |         |         |         |
 8+35      0.0905      0.29  |Q  V     |         |         |         |
 8+40      0.0925      0.29  |Q  V     |         |         |         |
 8+45      0.0945      0.30  |Q  V     |         |         |         |
 8+50      0.0966      0.30  |Q  V     |         |         |         |
 8+55      0.0988      0.31  |Q  V     |         |         |         |
 9+ 0      0.1010      0.31  |Q  V     |         |         |         |
 9+ 5      0.1032      0.33  |Q  V     |         |         |         |
 9+10      0.1056      0.35  |Q   V    |         |         |         |
 9+15      0.1081      0.35  |Q   V    |         |         |         |
 9+20      0.1108      0.40  |Q   V    |         |         |         |
 9+25      0.1140      0.46  |Q   V    |         |         |         |
 9+30      0.1172      0.47  |Q   V    |         |         |         |
 9+35      0.1210      0.55  | Q  V    |         |         |         |
 9+40      0.1253      0.62  | Q  V    |         |         |         |
 9+45      0.1297      0.64  | Q   V   |         |         |         |
 9+50      0.1346      0.71  | Q   V   |         |         |         |
 9+55      0.1399      0.78  |  Q  V   |         |         |         |
10+ 0      0.1455      0.80  |  Q  V   |         |         |         |
10+ 5      0.1493      0.56  | Q    V  |         |         |         |
10+10      0.1515      0.31  |Q     V  |         |         |         |
10+15      0.1534      0.28  |Q     V  |         |         |         |
10+20      0.1553      0.28  |Q     V  |         |         |         |
10+25      0.1572      0.28  |Q     V  |         |         |         |
10+30      0.1591      0.28  |Q     V  |         |         |         |
10+35      0.1621      0.43  |Q     V  |         |         |         |
10+40      0.1662      0.60  | Q    V  |         |         |         |
10+45      0.1705      0.62  | Q     V |         |         |         |
10+50      0.1749      0.64  | Q     V |         |         |         |
10+55      0.1793      0.65  | Q     V |         |         |         |
11+ 0      0.1839      0.66  | Q     V |         |         |         |
11+ 5      0.1880      0.61  | Q     V |         |         |         |
```

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11+10      0.1918      0.55  | Q      V|         |         |         |
11+15      0.1957      0.55  | Q      V|         |         |         |
11+20      0.1995      0.56  | Q      V|         |         |         |
11+25      0.2035      0.57  | Q      V|         |         |         |
11+30      0.2075      0.58  | Q      V|         |         |         |
11+35      0.2107      0.47  |Q       V|         |         |         |
11+40      0.2132      0.35  |Q       V|         |         |         |
11+45      0.2156      0.35  |Q       V|         |         |         |
11+50      0.2185      0.42  |Q       V|         |         |         |
11+55      0.2218      0.49  |Q       V|         |         |         |
12+ 0      0.2253      0.51  | Q      V|         |         |         |
12+ 5      0.2318      0.94  |  Q     |V|         |         |         |
12+10      0.2414      1.39  |    Q   |V|         |         |         |
12+15      0.2514      1.45  |    Q   |V|         |         |         |
12+20      0.2619      1.53  |     Q  | V|         |         |         |
12+25      0.2730      1.60  |     Q  |  V|         |         |         |
12+30      0.2841      1.62  |     Q  |  V|         |         |         |
12+35      0.2961      1.75  |     Q  |   V|         |         |         |
12+40      0.3091      1.88  |      Q |   V|         |         |         |
12+45      0.3223      1.91  |      Q |    V|         |         |         |
12+50      0.3359      1.98  |      Q |     V|         |         |         |
12+55      0.3500      2.05  |       Q|     V|         |         |         |
13+ 0      0.3643      2.07  |       Q|      V|         |         |         |
13+ 5      0.3806      2.38  |        Q|      V|         |         |         |
13+10      0.3993      2.71  |         Q|       V|         |         |         |
13+15      0.4182      2.75  |         Q|       V|         |         |         |
13+20      0.4372      2.76  |          |Q       V|         |         |         |
13+25      0.4563      2.77  |          |Q       |V|         |         |         |
13+30      0.4755      2.78  |          |Q       | V|         |         |         |
13+35      0.4901      2.12  |        Q |        |  V|         |         |         |
13+40      0.5000      1.43  |    Q     |        |  V|         |         |         |
13+45      0.5094      1.37  |    Q     |        |   V|         |         |         |
13+50      0.5188      1.36  |    Q     |        |   V|         |         |         |
13+55      0.5282      1.37  |    Q     |        |    V|         |         |         |
14+ 0      0.5377      1.38  |    Q     |        |    V|         |         |         |
14+ 5      0.5490      1.63  |     Q    |        |     V|         |         |         |
14+10      0.5620      1.89  |      Q   |        |     V|         |         |         |
14+15      0.5753      1.93  |      Q   |        |      V|         |         |         |
14+20      0.5883      1.88  |      Q   |        |       V|         |         |         |
14+25      0.6009      1.83  |      Q   |        |       V|         |         |         |
14+30      0.6134      1.83  |      Q   |        |        V|         |         |         |
14+35      0.6261      1.84  |      Q   |        |        V|         |         |         |
14+40      0.6388      1.84  |      Q   |        |         V|         |         |         |
14+45      0.6515      1.85  |      Q   |        |         |V|         |         |         |
14+50      0.6639      1.80  |      Q   |        |         |V|         |         |         |
14+55      0.6759      1.74  |     Q    |        |         | V|         |         |         |
15+ 0      0.6879      1.74  |     Q    |        |         | V|         |         |         |
15+ 5      0.6996      1.69  |     Q    |        |         |  V|         |         |         |
15+10      0.7108      1.64  |     Q    |        |         |  V|         |         |         |
15+15      0.7221      1.64  |     Q    |        |         |   V|         |         |         |
15+20      0.7330      1.58  |     Q    |        |         |   V|         |         |         |
15+25      0.7435      1.53  |     Q    |        |         |    V|         |         |         |
15+30      0.7541      1.53  |     Q    |        |         |    V|         |         |         |
15+35      0.7630      1.29  |    Q     |        |         |     V|         |         |         |
15+40      0.7702      1.05  |   Q      |        |         |     V|         |         |         |
15+45      0.7772      1.03  |   Q      |        |         |      V|         |         |         |
15+50      0.7843      1.03  |   Q      |        |         |      V|         |         |         |
15+55      0.7915      1.04  |   Q      |        |         |      V|         |         |         |
16+ 0      0.7987      1.04  |   Q      |        |         |       V|         |         |         |
16+ 5      0.8028      0.60  | Q        |        |         |       V|         |         |         |
16+10      0.8037      0.13  Q          |        |         |       V|         |         |         |
```

16+15	0.8043	0.08	Q	|	|	|	V |
16+20	0.8048	0.07	Q	|	|	|	V |
16+25	0.8053	0.07	Q	|	|	|	V |
16+30	0.8058	0.07	Q	|	|	|	V |
16+35	0.8062	0.07	Q	|	|	|	V |
16+40	0.8066	0.06	Q	|	|	|	V |
16+45	0.8070	0.06	Q	|	|	|	V |
16+50	0.8074	0.06	Q	|	|	|	V |
16+55	0.8078	0.06	Q	|	|	|	V |
17+ 0	0.8082	0.06	Q	|	|	|	V |
17+ 5	0.8087	0.07	Q	|	|	|	V |
17+10	0.8093	0.09	Q	|	|	|	V |
17+15	0.8099	0.09	Q	|	|	|	V |
17+20	0.8106	0.09	Q	|	|	|	V |
17+25	0.8112	0.09	Q	|	|	|	V |
17+30	0.8118	0.09	Q	|	|	|	V |
17+35	0.8125	0.09	Q	|	|	|	V |
17+40	0.8131	0.09	Q	|	|	|	V |
17+45	0.8137	0.09	Q	|	|	|	V |
17+50	0.8143	0.08	Q	|	|	|	V |
17+55	0.8148	0.07	Q	|	|	|	V |
18+ 0	0.8153	0.07	Q	|	|	|	V |
18+ 5	0.8158	0.07	Q	|	|	|	V |
18+10	0.8164	0.07	Q	|	|	|	V |
18+15	0.8169	0.07	Q	|	|	|	V |
18+20	0.8174	0.07	Q	|	|	|	V |
18+25	0.8179	0.07	Q	|	|	|	V |
18+30	0.8184	0.07	Q	|	|	|	V |
18+35	0.8188	0.07	Q	|	|	|	V|
18+40	0.8192	0.06	Q	|	|	|	V|
18+45	0.8196	0.06	Q	|	|	|	V|
18+50	0.8199	0.05	Q	|	|	|	V|
18+55	0.8202	0.04	Q	|	|	|	V|
19+ 0	0.8205	0.04	Q	|	|	|	V|
19+ 5	0.8208	0.05	Q	|	|	|	V|
19+10	0.8211	0.05	Q	|	|	|	V|
19+15	0.8215	0.06	Q	|	|	|	V|
19+20	0.8220	0.06	Q	|	|	|	V|
19+25	0.8225	0.07	Q	|	|	|	V|
19+30	0.8230	0.07	Q	|	|	|	V|
19+35	0.8234	0.07	Q	|	|	|	V|
19+40	0.8238	0.06	Q	|	|	|	V|
19+45	0.8242	0.06	Q	|	|	|	V|
19+50	0.8245	0.05	Q	|	|	|	V|
19+55	0.8248	0.04	Q	|	|	|	V|
20+ 0	0.8250	0.04	Q	|	|	|	V|
20+ 5	0.8253	0.05	Q	|	|	|	V|
20+10	0.8257	0.05	Q	|	|	|	V|
20+15	0.8261	0.06	Q	|	|	|	V|
20+20	0.8265	0.06	Q	|	|	|	V|
20+25	0.8269	0.06	Q	|	|	|	V|
20+30	0.8272	0.06	Q	|	|	|	V|
20+35	0.8276	0.06	Q	|	|	|	V|
20+40	0.8280	0.06	Q	|	|	|	V|
20+45	0.8284	0.06	Q	|	|	|	V|
20+50	0.8287	0.05	Q	|	|	|	V|
20+55	0.8290	0.04	Q	|	|	|	V|
21+ 0	0.8292	0.04	Q	|	|	|	V|
21+ 5	0.8295	0.05	Q	|	|	|	V|
21+10	0.8299	0.05	Q	|	|	|	V|
21+15	0.8303	0.06	Q	|	|	|	V|
21+20	0.8306	0.05	Q	|	|	|	V|
21+25	0.8309	0.04	Q	|	|	|	V|
21+30	0.8311	0.04	Q	|	|	|	V|
21+35	0.8314	0.05	Q	|	|	|	V|
21+40	0.8318	0.05	Q	|	|	|	V|
21+45	0.8322	0.06	Q	|	|	|	V|
21+50	0.8325	0.05	Q	|	|	|	V|
21+55	0.8328	0.04	Q	|	|	|	V|
22+ 0	0.8330	0.04	Q	|	|	|	V|
22+ 5	0.8334	0.05	Q	|	|	|	V|
22+10	0.8337	0.05	Q	|	|	|	V|
22+15	0.8341	0.06	Q	|	|	|	V|
22+20	0.8344	0.05	Q	|	|	|	V|
22+25	0.8347	0.04	Q	|	|	|	V|
22+30	0.8350	0.04	Q	|	|	|	V|
22+35	0.8352	0.04	Q	|	|	|	V|
22+40	0.8355	0.04	Q	|	|	|	V|
22+45	0.8357	0.04	Q	|	|	|	V|
22+50	0.8360	0.04	Q	|	|	|	V|
22+55	0.8362	0.04	Q	|	|	|	V|
23+ 0	0.8365	0.04	Q	|	|	|	V|
23+ 5	0.8367	0.04	Q	|	|	|	V|
23+10	0.8370	0.04	Q	|	|	|	V|
23+15	0.8372	0.04	Q	|	|	|	V|
23+20	0.8375	0.04	Q	|	|	|	V|
23+25	0.8378	0.04	Q	|	|	|	V|
23+30	0.8380	0.04	Q	|	|	|	V|
23+35	0.8383	0.04	Q	|	|	|	V|
23+40	0.8385	0.04	Q	|	|	|	V|
23+45	0.8388	0.04	Q	|	|	|	V|
23+50	0.8390	0.04	Q	|	|	|	V|
23+55	0.8393	0.04	Q	|	|	|	V|
24+ 0	0.8395	0.04	Q	|	|	|	V|
24+ 5	0.8397	0.02	Q	|	|	|	V|
24+10	0.8397	0.00	Q	|	|	|	V|
24+15	0.8397	0.00	Q	|	|	|	V|

AREAS TRIBUTARY TO CP10

AREAS 10A, 10B, 10C, 10D, 10E, 10F, 10G, & 10H
(3HR, 6HR, & 24HR STORMS)

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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  08/06/24 File: MESAP10A1003100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10A, 100-YR
8/06/24
------------------------------------------------------------------------
Drainage Area =     329.98(Ac.)  =      0.516 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     329.98(Ac.)  =
0.516 Sq. Mi.
Length along longest watercourse =    6544.00(Ft.)
Length along longest watercourse measured to centroid =    3698.00(Ft.)
Length along longest watercourse =      1.239 Mi.
Length along longest watercourse measured to centroid =      0.700 Mi.
Difference in elevation =     269.50(Ft.)
Slope along watercourse =    217.4450 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.286 Hr.
Lag time =    17.18 Min.
25% of lag time =     4.29 Min.
40% of lag time =     6.87 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      329.98             0.94                 310.18

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      329.98             1.97                 650.06

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.86 %
Adjusted average point rain =    1.967(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     8.980            51.00          0.000
   148.080            70.00          0.000
    54.100            80.00          0.000
    39.230            84.00          0.000
    10.270            69.00          0.050
     2.230            79.00          0.050
     5.460            84.00          0.050
     0.830            89.00          0.900
    29.100            92.00          0.900
     5.530            94.00          0.900
     6.200            95.00          0.900
     6.530            85.00          0.750
     7.560            90.00          0.750
     3.860            75.00          0.380
     0.480            83.00          0.380
     0.290            70.00          0.250
     1.250            80.00          0.250
 Total Area Entered =    329.98(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562        0.027      0.015
70.0  70.0      0.362     0.000        0.362        0.449      0.162
80.0  80.0      0.244     0.000        0.244        0.164      0.040
84.0  84.0      0.198     0.000        0.198        0.119      0.024
69.0  69.0      0.373     0.050        0.356        0.031      0.011
79.0  79.0      0.256     0.050        0.244        0.007      0.002
84.0  84.0      0.198     0.050        0.189        0.017      0.003
89.0  89.0      0.141     0.900        0.027        0.003      0.000
92.0  92.0      0.104     0.900        0.020        0.088      0.002
94.0  94.0      0.078     0.900        0.015        0.017      0.000
95.0  95.0      0.065     0.900        0.012        0.019      0.000
85.0  85.0      0.187     0.750        0.061        0.020      0.001
90.0  90.0      0.130     0.750        0.042        0.023      0.001
75.0  75.0      0.303     0.380        0.199        0.012      0.002
83.0  83.0      0.210     0.380        0.138        0.001      0.000
70.0  70.0      0.362     0.250        0.281        0.001      0.000
80.0  80.0      0.244     0.250        0.189        0.004      0.001
                                                  Sum (F) =   0.265
Area averaged mean soil loss (F) (In/Hr) =  0.265
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.770
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
```

1	0.083	29.106	2.069		6.879
2	0.167	58.213	6.550		21.783
3	0.250	87.319	12.536		41.689
4	0.333	116.426	27.789		92.414
5	0.417	145.532	16.756		55.725
6	0.500	174.639	8.562		28.473
7	0.583	203.745	6.140		20.419
8	0.667	232.852	4.608		15.324
9	0.750	261.958	3.620		12.039
10	0.833	291.065	2.845		9.460
11	0.917	320.171	2.263		7.527
12	1.000	349.278	1.723		5.729
13	1.083	378.384	1.290		4.291
14	1.167	407.491	0.936		3.113
15	1.250	436.597	0.478		1.589
16	1.333	465.704	0.341		1.133
17	1.417	494.810	0.297		0.988
18	1.500	523.917	0.252		0.837
19	1.583	553.023	0.177		0.588
20	1.667	582.130	0.209		0.697
21	1.750	611.236	0.224		0.746
22	1.833	640.343	0.138		0.460
23	1.917	669.449	0.103		0.344
24	2.000	698.556	0.061		0.204
25	2.083	727.662	0.032		0.106
			Sum = 100.000	Sum=	332.558

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.307	(0.265)		0.236	0.071
2	0.17	1.30	0.307	(0.265)		0.236	0.071
3	0.25	1.10	0.260	(0.265)		0.200	0.060
4	0.33	1.50	0.354	0.265	(0.273)		0.089
5	0.42	1.50	0.354	0.265	(0.273)		0.089
6	0.50	1.80	0.425	0.265	(0.327)		0.160
7	0.58	1.50	0.354	0.265	(0.273)		0.089
8	0.67	1.80	0.425	0.265	(0.327)		0.160
9	0.75	1.80	0.425	0.265	(0.327)		0.160
10	0.83	1.50	0.354	0.265	(0.273)		0.089
11	0.92	1.60	0.378	0.265	(0.291)		0.113
12	1.00	1.80	0.425	0.265	(0.327)		0.160
13	1.08	2.20	0.519	0.265	(0.400)		0.254
14	1.17	2.20	0.519	0.265	(0.400)		0.254
15	1.25	2.20	0.519	0.265	(0.400)		0.254
16	1.33	2.00	0.472	0.265	(0.364)		0.207
17	1.42	2.60	0.614	0.265	(0.473)		0.349
18	1.50	2.70	0.637	0.265	(0.491)		0.372
19	1.58	2.40	0.567	0.265	(0.436)		0.301
20	1.67	2.70	0.637	0.265	(0.491)		0.372
21	1.75	3.30	0.779	0.265	(0.600)		0.514
22	1.83	3.10	0.732	0.265	(0.563)		0.467
23	1.92	2.90	0.685	0.265	(0.527)		0.419
24	2.00	3.00	0.708	0.265	(0.545)		0.443
25	2.08	3.10	0.732	0.265	(0.563)		0.467
26	2.17	4.20	0.991	0.265	(0.763)		0.726
27	2.25	5.00	1.180	0.265	(0.909)		0.915
28	2.33	3.50	0.826	0.265	(0.636)		0.561
29	2.42	6.80	1.605	0.265	(1.236)		1.340
30	2.50	7.30	1.723	0.265	(1.327)		1.458
31	2.58	8.20	1.936	0.265	(1.490)		1.671
32	2.67	5.90	1.393	0.265	(1.072)		1.128
33	2.75	2.00	0.472	0.265	(0.364)		0.207
34	2.83	1.80	0.425	0.265	(0.327)		0.160
35	2.92	1.80	0.425	0.265	(0.327)		0.160
36	3.00	0.60	0.142	(0.265)		0.109	0.033

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.3

Flood volume = Effective rainfall 1.19(In)
times area 330.0(Ac.)/[(In)/(Ft.)] = 32.9(Ac.Ft)
Total soil loss = 0.77(In)
Total soil loss = 21.234(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 1431345.2 Cubic Feet
Total soil loss = 924968.1 Cubic Feet

Peak flow rate of this hydrograph = 376.859(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	100.0	200.0	300.0	400.0
0+ 5	0.0033	0.49	Q	|	|	|	|
0+10	0.0173	2.02	Q	|	|	|	|
0+15	0.0510	4.89	Q	|	|	|	|
0+20	0.1294	11.38	VQ	|	|	|	|
0+25	0.2362	15.50	VQ	|	|	|	|
0+30	0.3616	18.22	VQ	|	|	|	|
0+35	0.5187	22.81	V Q	|	|	|	|
0+40	0.7054	27.11	V Q	|	|	|	|
0+45	0.9375	33.71	|V Q	|	|	|	|
0+50	1.1763	34.67	|V Q	|	|	|	|
0+55	1.4432	38.76	|V Q	|	|	|	|
1+ 0	1.7233	40.67	| V Q	|	|	|	|
1+ 5	1.9916	38.94	| VQ	|	|	|	|
1+10	2.2863	42.80	| V Q	|	|	|	|
1+15	2.6412	51.53	| V Q	|	|	|	|
1+20	3.0729	62.69	| V Q	|	|	|	|
1+25	3.5504	69.32	| V Q	|	|	|	|
1+30	4.0620	74.29	| V Q	|	|	|	|
1+35	4.6028	78.51	| V Q	|	|	|	|
1+40	5.2286	90.88	| V Q|	|	|	|	|
1+45	5.9228	100.79	| V Q	|	|	|	|
1+50	6.6499	105.57	| V Q	|	|	|	|
1+55	7.4525	116.54	| V|Q	|	|	|	|
2+ 0	8.3588	131.60	| V Q	|	|	|	|
2+ 5	9.2998	136.63	| |V Q	|	|	|	|
2+10	10.2568	138.96	| | VQ	|	|	|	|
2+15	11.2861	149.45	| | VQ	|	|	|	|
2+20	12.4326	166.47	| | VQ	|	|	|	|
2+25	13.8022	198.86	| | V Q|	|	|	|	|
2+30	15.4255	235.71	| | V | Q	|	|	|	|
2+35	17.2075	258.75	| | V Q	|	|	|	|
2+40	19.4700	328.52	| | | V	|	|	Q |	|
2+45	22.0328	372.12	| | | V	|	|	Q |	|

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   2+50      24.6283    376.86  |          |          |        V|       Q  |
   2+55      26.8181    317.97  |          |          |         |QV        |
   3+ 0      28.3326    219.90  |          |          |Q        |   V      |
   3+ 5      29.4425    161.15  |          |      Q   |         |    V     |
   3+10      30.3169    126.96  |          | Q        |         |     V    |
   3+15      30.9684     94.60  |        Q |          |         |      V   |
   3+20      31.4495     69.86  |     Q    |          |         |       V  |
   3+25      31.8125     52.70  |    Q     |          |         |       V  |
   3+30      32.0873     39.91  |  Q       |          |         |         V|
   3+35      32.2894     29.35  | Q        |          |         |         V|
   3+40      32.4346     21.08  | Q        |          |         |         V|
   3+45      32.5367     14.82  |Q         |          |         |         V|
   3+50      32.6108     10.76  |Q         |          |         |         V|
   3+55      32.6682      8.34  Q          |          |         |         V|
   4+ 0      32.7141      6.66  Q          |          |         |         V|
   4+ 5      32.7517      5.46  Q          |          |         |         V|
   4+10      32.7831      4.55  Q          |          |         |         V|
   4+15      32.8094      3.83  Q          |          |         |         V|
   4+20      32.8290      2.85  Q          |          |         |         V|
   4+25      32.8423      1.92  Q          |          |         |         V|
   4+30      32.8507      1.23  Q          |          |         |         V|
   4+35      32.8555      0.69  Q          |          |         |         V|
   4+40      32.8577      0.32  Q          |          |         |         V|
   4+45      32.8586      0.12  Q          |          |         |         V|
   4+50      32.8590      0.06  Q          |          |         |         V|
   4+55      32.8591      0.02  Q          |          |         |         V|
   5+ 0      32.8592      0.00  Q          |          |         |          V
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  08/06/24 File: MESAP10A1006100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10A, 100-YR
8/06/24
------------------------------------------------------------------------
Drainage Area =     329.98(Ac.)  =      0.516 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     329.98(Ac.)  =
0.516 Sq. Mi.
Length along longest watercourse =    6544.00(Ft.)
Length along longest watercourse measured to centroid =    3698.00(Ft.)
Length along longest watercourse =      1.239 Mi.
Length along longest watercourse measured to centroid =      0.700 Mi.
Difference in elevation =     269.50(Ft.)
Slope along watercourse =    217.4450 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.286 Hr.
Lag time =    17.18 Min.
25% of lag time =     4.29 Min.
40% of lag time =     6.87 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      329.98             1.35                 445.47

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      329.98             2.78                 917.34

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.89 %
Adjusted average point rain =    2.777(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     8.980            51.00          0.000
   148.080            70.00          0.000
    54.100            80.00          0.000
    39.230            84.00          0.000
    10.270            69.00          0.050
     2.230            79.00          0.050
     5.460            84.00          0.050
     0.830            89.00          0.900
    29.100            92.00          0.900
     5.530            94.00          0.900
     6.200            95.00          0.900
     6.530            85.00          0.750
     7.560            90.00          0.750
     3.860            75.00          0.380
     0.480            83.00          0.380
     0.290            70.00          0.250
     1.250            80.00          0.250
 Total Area Entered =    329.98(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562        0.027      0.015
70.0  70.0      0.362     0.000        0.362        0.449      0.162
80.0  80.0      0.244     0.000        0.244        0.164      0.040
84.0  84.0      0.198     0.000        0.198        0.119      0.024
69.0  69.0      0.373     0.050        0.356        0.031      0.011
79.0  79.0      0.256     0.050        0.244        0.007      0.002
84.0  84.0      0.198     0.050        0.189        0.017      0.003
89.0  89.0      0.141     0.900        0.027        0.003      0.000
92.0  92.0      0.104     0.900        0.020        0.088      0.002
94.0  94.0      0.078     0.900        0.015        0.017      0.000
95.0  95.0      0.065     0.900        0.012        0.019      0.000
85.0  85.0      0.187     0.750        0.061        0.020      0.001
90.0  90.0      0.130     0.750        0.042        0.023      0.001
75.0  75.0      0.303     0.380        0.199        0.012      0.002
83.0  83.0      0.210     0.380        0.138        0.001      0.000
70.0  70.0      0.362     0.250        0.281        0.001      0.000
80.0  80.0      0.244     0.250        0.189        0.004      0.001
                                                 Sum (F) =   0.265
Area averaged mean soil loss (F) (In/Hr) =  0.265
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.770
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
```

1	0.083	29.106	2.069	6.879
2	0.167	58.213	6.550	21.783
3	0.250	87.319	12.536	41.689
4	0.333	116.426	27.789	92.414
5	0.417	145.532	16.756	55.725
6	0.500	174.639	8.562	28.473
7	0.583	203.745	6.140	20.419
8	0.667	232.852	4.608	15.324
9	0.750	261.958	3.620	12.039
10	0.833	291.065	2.845	9.460
11	0.917	320.171	2.263	7.527
12	1.000	349.278	1.723	5.729
13	1.083	378.384	1.290	4.291
14	1.167	407.491	0.936	3.113
15	1.250	436.597	0.478	1.589
16	1.333	465.704	0.341	1.133
17	1.417	494.810	0.297	0.988
18	1.500	523.917	0.252	0.837
19	1.583	553.023	0.177	0.588
20	1.667	582.130	0.209	0.697
21	1.750	611.236	0.224	0.746
22	1.833	640.343	0.138	0.460
23	1.917	669.449	0.103	0.344
24	2.000	698.556	0.061	0.204
25	2.083	727.662	0.032	0.106
			Sum = 100.000	Sum= 332.558

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.265)	0.128	0.038
2	0.17	0.60	0.200	(0.265)	0.154	0.046
3	0.25	0.60	0.200	(0.265)	0.154	0.046
4	0.33	0.60	0.200	(0.265)	0.154	0.046
5	0.42	0.60	0.200	(0.265)	0.154	0.046
6	0.50	0.70	0.233	(0.265)	0.180	0.054
7	0.58	0.70	0.233	(0.265)	0.180	0.054
8	0.67	0.70	0.233	(0.265)	0.180	0.054
9	0.75	0.70	0.233	(0.265)	0.180	0.054
10	0.83	0.70	0.233	(0.265)	0.180	0.054
11	0.92	0.70	0.233	(0.265)	0.180	0.054
12	1.00	0.80	0.267	(0.265)	0.205	0.061
13	1.08	0.80	0.267	(0.265)	0.205	0.061
14	1.17	0.80	0.267	(0.265)	0.205	0.061
15	1.25	0.80	0.267	(0.265)	0.205	0.061
16	1.33	0.80	0.267	(0.265)	0.205	0.061
17	1.42	0.80	0.267	(0.265)	0.205	0.061
18	1.50	0.80	0.267	(0.265)	0.205	0.061
19	1.58	0.80	0.267	(0.265)	0.205	0.061
20	1.67	0.80	0.267	(0.265)	0.205	0.061
21	1.75	0.80	0.267	(0.265)	0.205	0.061
22	1.83	0.80	0.267	(0.265)	0.205	0.061
23	1.92	0.80	0.267	(0.265)	0.205	0.061
24	2.00	0.90	0.300	(0.265)	0.231	0.069
25	2.08	0.80	0.267	(0.265)	0.205	0.061
26	2.17	0.90	0.300	(0.265)	0.231	0.069
27	2.25	0.90	0.300	(0.265)	0.231	0.069
28	2.33	0.90	0.300	(0.265)	0.231	0.069
29	2.42	0.90	0.300	(0.265)	0.231	0.069
30	2.50	0.90	0.300	(0.265)	0.231	0.069
31	2.58	0.90	0.300	(0.265)	0.231	0.069
32	2.67	0.90	0.300	(0.265)	0.231	0.069
33	2.75	1.00	0.333	(0.265)	0.257	0.077
34	2.83	1.00	0.333	(0.265)	0.257	0.077
35	2.92	1.00	0.333	(0.265)	0.257	0.077
36	3.00	1.00	0.333	(0.265)	0.257	0.077
37	3.08	1.00	0.333	(0.265)	0.257	0.077
38	3.17	1.10	0.367	0.265	(0.282)	0.101
39	3.25	1.10	0.367	0.265	(0.282)	0.101
40	3.33	1.10	0.367	0.265	(0.282)	0.101
41	3.42	1.20	0.400	0.265	(0.308)	0.135
42	3.50	1.30	0.433	0.265	(0.334)	0.168
43	3.58	1.40	0.467	0.265	(0.359)	0.201
44	3.67	1.40	0.467	0.265	(0.359)	0.201
45	3.75	1.50	0.500	0.265	(0.385)	0.235
46	3.83	1.50	0.500	0.265	(0.385)	0.235
47	3.92	1.60	0.533	0.265	(0.411)	0.268
48	4.00	1.60	0.533	0.265	(0.411)	0.268
49	4.08	1.70	0.566	0.265	(0.436)	0.301
50	4.17	1.80	0.600	0.265	(0.462)	0.335
51	4.25	1.90	0.633	0.265	(0.488)	0.368
52	4.33	2.00	0.666	0.265	(0.513)	0.401
53	4.42	2.10	0.700	0.265	(0.539)	0.435
54	4.50	2.10	0.700	0.265	(0.539)	0.435
55	4.58	2.20	0.733	0.265	(0.564)	0.468
56	4.67	2.30	0.766	0.265	(0.590)	0.501
57	4.75	2.40	0.800	0.265	(0.616)	0.535
58	4.83	2.40	0.800	0.265	(0.616)	0.535
59	4.92	2.50	0.833	0.265	(0.641)	0.568
60	5.00	2.60	0.866	0.265	(0.667)	0.601
61	5.08	3.10	1.033	0.265	(0.795)	0.768
62	5.17	3.60	1.200	0.265	(0.924)	0.934
63	5.25	3.90	1.300	0.265	(1.001)	1.034
64	5.33	4.20	1.400	0.265	(1.078)	1.134
65	5.42	4.70	1.566	0.265	(1.206)	1.301
66	5.50	5.60	1.866	0.265	(1.437)	1.601
67	5.58	1.90	0.633	0.265	(0.488)	0.368
68	5.67	0.90	0.300	(0.265)	0.231	0.069
69	5.75	0.60	0.200	(0.265)	0.154	0.046
70	5.83	0.50	0.167	(0.265)	0.128	0.038
71	5.92	0.30	0.100	(0.265)	0.077	0.023
72	6.00	0.20	0.067	(0.265)	0.051	0.015

(Loss Rate Not Used)

Sum = 100.0 Sum = 17.1

Flood volume = Effective rainfall 1.43(In)
times area 330.0(Ac.)/[(In)/(Ft.)] = 39.2(Ac.Ft)
Total soil loss = 1.35(In)
Total soil loss = 37.160(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 1707473.0 Cubic Feet
Total soil loss = 1618710.0 Cubic Feet

Peak flow rate of this hydrograph = 345.222(CFS)

++

6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	100.0	200.0	300.0	400.0
0+ 5	0.0018	0.26	Q				
0+10	0.0097	1.15	Q				
0+15	0.0298	2.92	Q				
0+20	0.0765	6.78	Q				
0+25	0.1428	9.63	Q				
0+30	0.2199	11.20	VQ				
0+35	0.3051	12.37	VQ				
0+40	0.3976	13.43	VQ				
0+45	0.4989	14.72	VQ				
0+50	0.6064	15.60	VQ				
0+55	0.7178	16.18	VQ				
1+ 0	0.8326	16.66	VQ				
1+ 5	0.9507	17.16	VQ				
1+10	1.0728	17.72	|Q				
1+15	1.2008	18.59	|Q				
1+20	1.3325	19.13	|Q				
1+25	1.4664	19.44	|Q				
1+30	1.6018	19.67	|Q				
1+35	1.7385	19.84	|Q				
1+40	1.8760	19.97	|Q				
1+45	2.0144	20.09	| Q				
1+50	2.1533	20.18	| Q				
1+55	2.2927	20.24	| Q				
2+ 0	2.4329	20.34	| Q				
2+ 5	2.5740	20.49	| Q				
2+10	2.7167	20.72	| Q				
2+15	2.8633	21.29	| Q				
2+20	3.0102	21.33	| QV				
2+25	3.1606	21.84	| QV				
2+30	3.3136	22.21	| QV				
2+35	3.4679	22.40	| QV				
2+40	3.6231	22.53	| QV				
2+45	3.7793	22.69	| QV				
2+50	3.9373	22.94	| Q V				
2+55	4.0979	23.32	| Q V				
3+ 0	4.2637	24.07	| Q V				
3+ 5	4.4326	24.53	| Q V				
3+10	4.6044	24.94	| Q V				
3+15	4.7811	25.66	| Q V				
3+20	4.9659	26.82	| Q V				
3+25	5.1686	29.44	| Q V				
3+30	5.3880	31.85	| Q V				
3+35	5.6288	34.97	| Q V				
3+40	5.9092	40.72	| Q V				
3+45	6.2377	47.69	| Q V				
3+50	6.6140	54.63	| QV				
3+55	7.0271	59.99	| Q V				
4+ 0	7.4826	66.14	| QV				
4+ 5	7.9741	71.36	| QV				
4+10	8.5091	77.68	| QV				
4+15	9.0849	83.62	| QV|				
4+20	9.7138	91.31	| Q|				
4+25	10.4045	100.29	| Q				
4+30	11.1592	109.59	| QV				
4+35	11.9770	118.75	| QV				
4+40	12.8552	127.50	| QV				
4+45	13.7834	134.78	| QV				
4+50	14.7700	143.25	| QV				
4+55	15.8186	152.26	| QV				
5+ 0	16.9274	160.99	| QV				
5+ 5	18.0927	169.20	| Q V				
5+10	19.3442	181.73	| QV|				
5+15	20.7242	200.37	| QV				
5+20	22.3099	230.24	| VQ				
5+25	24.1382	265.47	| V Q				
5+30	26.2103	300.86	| V Q				
5+35	28.4867	330.54	| V| Q				
5+40	30.8643	345.22	| |V Q				
5+45	33.1687	334.60	| | Q				
5+50	34.8006	236.96	| Q				
5+55	35.8847	157.41	| Q				
6+ 0	36.6854	116.26	|Q				
6+ 5	37.3047	89.92	| Q				
6+10	37.7848	69.71	| Q				
6+15	38.1527	53.42	| Q				
6+20	38.4275	39.90	| Q				
6+25	38.6297	29.37	| Q				
6+30	38.7769	21.37	| Q				
6+35	38.8817	15.22	|Q				
6+40	38.9543	10.55	|Q				
6+45	39.0098	8.06	Q				
6+50	39.0551	6.57	Q				
6+55	39.0921	5.37	Q				
7+ 0	39.1219	4.34	Q				
7+ 5	39.1473	3.68	Q				
7+10	39.1674	2.92	Q				
7+15	39.1808	1.95	Q				
7+20	39.1894	1.25	Q				
7+25	39.1943	0.71	Q				
7+30	39.1967	0.34	Q				
7+35	39.1975	0.11	Q				
7+40	39.1978	0.05	Q				
7+45	39.1980	0.03	Q				
7+50	39.1981	0.01	Q				
7+55	39.1982	0.01	Q				
8+ 0	39.1982	0.00	Q				

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  08/06/24 File: MESAP10A10024100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10A, 100-YR
8/06/24
------------------------------------------------------------------------
Drainage Area =     329.98(Ac.)  =      0.516 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =     329.98(Ac.)  =
0.516 Sq. Mi.
Length along longest watercourse =    6544.00(Ft.)
Length along longest watercourse measured to centroid =    3698.00(Ft.)
Length along longest watercourse =      1.239 Mi.
Length along longest watercourse measured to centroid =      0.700 Mi.
Difference in elevation =     269.50(Ft.)
Slope along watercourse =    217.4450 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.286 Hr.
Lag time =    17.18 Min.
25% of lag time =     4.29 Min.
40% of lag time =     6.87 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      329.98             2.45                  808.45

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
      329.98             6.08                 2006.28

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.94 %
Adjusted average point rain =    6.076(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     8.980            51.00          0.000
   148.080            70.00          0.000
    54.100            80.00          0.000
    39.230            84.00          0.000
    10.270            69.00          0.050
     2.230            79.00          0.050
     5.460            84.00          0.050
     0.830            89.00          0.900
    29.100            92.00          0.900
     5.530            94.00          0.900
     6.200            95.00          0.900
     6.530            85.00          0.750
     7.560            90.00          0.750
     3.860            75.00          0.380
     0.480            83.00          0.380
     0.290            70.00          0.250
     1.250            80.00          0.250
 Total Area Entered =    329.98(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
51.0  51.0      0.562     0.000        0.562        0.027      0.015
70.0  70.0      0.362     0.000        0.362        0.449      0.162
80.0  80.0      0.244     0.000        0.244        0.164      0.040
84.0  84.0      0.198     0.000        0.198        0.119      0.024
69.0  69.0      0.373     0.050        0.356        0.031      0.011
79.0  79.0      0.256     0.050        0.244        0.007      0.002
84.0  84.0      0.198     0.050        0.189        0.017      0.003
89.0  89.0      0.141     0.900        0.027        0.003      0.000
92.0  92.0      0.104     0.900        0.020        0.088      0.002
94.0  94.0      0.078     0.900        0.015        0.017      0.000
95.0  95.0      0.065     0.900        0.012        0.019      0.000
85.0  85.0      0.187     0.750        0.061        0.020      0.001
90.0  90.0      0.130     0.750        0.042        0.023      0.001
75.0  75.0      0.303     0.380        0.199        0.012      0.002
83.0  83.0      0.210     0.380        0.138        0.001      0.000
70.0  70.0      0.362     0.250        0.281        0.001      0.000
80.0  80.0      0.244     0.250        0.189        0.004      0.001
                                                 Sum (F) =   0.265
Area averaged mean soil loss (F) (In/Hr) =  0.265
Minimum soil loss rate ((In/Hr)) =  0.133
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.770
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
```

1	0.083	29.106	2.069	6.879
2	0.167	58.213	6.550	21.783
3	0.250	87.319	12.536	41.689
4	0.333	116.426	27.789	92.414
5	0.417	145.532	16.756	55.725
6	0.500	174.639	8.562	28.473
7	0.583	203.745	6.140	20.419
8	0.667	232.852	4.608	15.324
9	0.750	261.958	3.620	12.039
10	0.833	291.065	2.845	9.460
11	0.917	320.171	2.263	7.527
12	1.000	349.278	1.723	5.729
13	1.083	378.384	1.290	4.291
14	1.167	407.491	0.936	3.113
15	1.250	436.597	0.478	1.589
16	1.333	465.704	0.341	1.133
17	1.417	494.810	0.297	0.988
18	1.500	523.917	0.252	0.837
19	1.583	553.023	0.177	0.588
20	1.667	582.130	0.209	0.697
21	1.750	611.236	0.224	0.746
22	1.833	640.343	0.138	0.460
23	1.917	669.449	0.103	0.344
24	2.000	698.556	0.061	0.204
25	2.083	727.662	0.032	0.106
		Sum = 100.000	Sum=	332.558

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.470)	0.037	0.011
2	0.17	0.07	0.049	(0.468)	0.037	0.011
3	0.25	0.07	0.049	(0.466)	0.037	0.011
4	0.33	0.10	0.073	(0.465)	0.056	0.017
5	0.42	0.10	0.073	(0.463)	0.056	0.017
6	0.50	0.10	0.073	(0.461)	0.056	0.017
7	0.58	0.10	0.073	(0.459)	0.056	0.017
8	0.67	0.10	0.073	(0.457)	0.056	0.017
9	0.75	0.10	0.073	(0.456)	0.056	0.017
10	0.83	0.13	0.097	(0.454)	0.075	0.022
11	0.92	0.13	0.097	(0.452)	0.075	0.022
12	1.00	0.13	0.097	(0.450)	0.075	0.022
13	1.08	0.10	0.073	(0.448)	0.056	0.017
14	1.17	0.10	0.073	(0.447)	0.056	0.017
15	1.25	0.10	0.073	(0.445)	0.056	0.017
16	1.33	0.10	0.073	(0.443)	0.056	0.017
17	1.42	0.10	0.073	(0.441)	0.056	0.017
18	1.50	0.10	0.073	(0.440)	0.056	0.017
19	1.58	0.10	0.073	(0.438)	0.056	0.017
20	1.67	0.10	0.073	(0.436)	0.056	0.017
21	1.75	0.10	0.073	(0.434)	0.056	0.017
22	1.83	0.13	0.097	(0.433)	0.075	0.022
23	1.92	0.13	0.097	(0.431)	0.075	0.022
24	2.00	0.13	0.097	(0.429)	0.075	0.022
25	2.08	0.13	0.097	(0.427)	0.075	0.022
26	2.17	0.13	0.097	(0.426)	0.075	0.022
27	2.25	0.13	0.097	(0.424)	0.075	0.022
28	2.33	0.13	0.097	(0.422)	0.075	0.022
29	2.42	0.13	0.097	(0.420)	0.075	0.022
30	2.50	0.13	0.097	(0.419)	0.075	0.022
31	2.58	0.17	0.122	(0.417)	0.094	0.028
32	2.67	0.17	0.122	(0.415)	0.094	0.028
33	2.75	0.17	0.122	(0.414)	0.094	0.028
34	2.83	0.17	0.122	(0.412)	0.094	0.028
35	2.92	0.17	0.122	(0.410)	0.094	0.028
36	3.00	0.17	0.122	(0.409)	0.094	0.028
37	3.08	0.17	0.122	(0.407)	0.094	0.028
38	3.17	0.17	0.122	(0.405)	0.094	0.028
39	3.25	0.17	0.122	(0.403)	0.094	0.028
40	3.33	0.17	0.122	(0.402)	0.094	0.028
41	3.42	0.17	0.122	(0.400)	0.094	0.028
42	3.50	0.17	0.122	(0.398)	0.094	0.028
43	3.58	0.17	0.122	(0.397)	0.094	0.028
44	3.67	0.17	0.122	(0.395)	0.094	0.028
45	3.75	0.17	0.122	(0.393)	0.094	0.028
46	3.83	0.20	0.146	(0.392)	0.112	0.034
47	3.92	0.20	0.146	(0.390)	0.112	0.034
48	4.00	0.20	0.146	(0.388)	0.112	0.034
49	4.08	0.20	0.146	(0.387)	0.112	0.034
50	4.17	0.20	0.146	(0.385)	0.112	0.034
51	4.25	0.20	0.146	(0.384)	0.112	0.034
52	4.33	0.23	0.170	(0.382)	0.131	0.039
53	4.42	0.23	0.170	(0.380)	0.131	0.039
54	4.50	0.23	0.170	(0.379)	0.131	0.039
55	4.58	0.23	0.170	(0.377)	0.131	0.039
56	4.67	0.23	0.170	(0.375)	0.131	0.039
57	4.75	0.23	0.170	(0.374)	0.131	0.039
58	4.83	0.27	0.194	(0.372)	0.150	0.045
59	4.92	0.27	0.194	(0.371)	0.150	0.045
60	5.00	0.27	0.194	(0.369)	0.150	0.045
61	5.08	0.20	0.146	(0.367)	0.112	0.034
62	5.17	0.20	0.146	(0.366)	0.112	0.034
63	5.25	0.20	0.146	(0.364)	0.112	0.034
64	5.33	0.23	0.170	(0.363)	0.131	0.039
65	5.42	0.23	0.170	(0.361)	0.131	0.039
66	5.50	0.23	0.170	(0.359)	0.131	0.039
67	5.58	0.27	0.194	(0.358)	0.150	0.045
68	5.67	0.27	0.194	(0.356)	0.150	0.045
69	5.75	0.27	0.194	(0.355)	0.150	0.045
70	5.83	0.27	0.194	(0.353)	0.150	0.045
71	5.92	0.27	0.194	(0.352)	0.150	0.045
72	6.00	0.27	0.194	(0.350)	0.150	0.045
73	6.08	0.30	0.219	(0.348)	0.168	0.050
74	6.17	0.30	0.219	(0.347)	0.168	0.050
75	6.25	0.30	0.219	(0.345)	0.168	0.050
76	6.33	0.30	0.219	(0.344)	0.168	0.050
77	6.42	0.30	0.219	(0.342)	0.168	0.050
78	6.50	0.30	0.219	(0.341)	0.168	0.050
79	6.58	0.33	0.243	(0.339)	0.187	0.056
80	6.67	0.33	0.243	(0.338)	0.187	0.056
81	6.75	0.33	0.243	(0.336)	0.187	0.056
82	6.83	0.33	0.243	(0.335)	0.187	0.056
83	6.92	0.33	0.243	(0.333)	0.187	0.056
84	7.00	0.33	0.243	(0.332)	0.187	0.056
85	7.08	0.33	0.243	(0.330)	0.187	0.056
86	7.17	0.33	0.243	(0.329)	0.187	0.056
87	7.25	0.33	0.243	(0.327)	0.187	0.056
88	7.33	0.37	0.267	(0.326)	0.206	0.061
89	7.42	0.37	0.267	(0.324)	0.206	0.061
90	7.50	0.37	0.267	(0.323)	0.206	0.061

91	7.58	0.40	0.292	(0.321)	0.225	0.067
92	7.67	0.40	0.292	(0.320)	0.225	0.067
93	7.75	0.40	0.292	(0.318)	0.225	0.067
94	7.83	0.43	0.316	(0.317)	0.243	0.073
95	7.92	0.43	0.316	(0.315)	0.243	0.073
96	8.00	0.43	0.316	(0.314)	0.243	0.073
97	8.08	0.50	0.365	(0.312)	0.281	0.084
98	8.17	0.50	0.365	(0.311)	0.281	0.084
99	8.25	0.50	0.365	(0.309)	0.281	0.084
100	8.33	0.50	0.365	(0.308)	0.281	0.084
101	8.42	0.50	0.365	(0.307)	0.281	0.084
102	8.50	0.50	0.365	(0.305)	0.281	0.084
103	8.58	0.53	0.389	(0.304)	0.299	0.089
104	8.67	0.53	0.389	(0.302)	0.299	0.089
105	8.75	0.53	0.389	(0.301)	0.299	0.089
106	8.83	0.57	0.413	0.299	(0.318)	0.114
107	8.92	0.57	0.413	0.298	(0.318)	0.115
108	9.00	0.57	0.413	0.297	(0.318)	0.117
109	9.08	0.63	0.462	0.295	(0.356)	0.167
110	9.17	0.63	0.462	0.294	(0.356)	0.168
111	9.25	0.63	0.462	0.292	(0.356)	0.169
112	9.33	0.67	0.486	0.291	(0.374)	0.195
113	9.42	0.67	0.486	0.290	(0.374)	0.196
114	9.50	0.67	0.486	0.288	(0.374)	0.198
115	9.58	0.70	0.510	0.287	(0.393)	0.224
116	9.67	0.70	0.510	0.285	(0.393)	0.225
117	9.75	0.70	0.510	0.284	(0.393)	0.226
118	9.83	0.73	0.535	0.283	(0.412)	0.252
119	9.92	0.73	0.535	0.281	(0.412)	0.253
120	10.00	0.73	0.535	0.280	(0.412)	0.255
121	10.08	0.50	0.365	0.279	(0.281)	0.086
122	10.17	0.50	0.365	0.277	(0.281)	0.087
123	10.25	0.50	0.365	0.276	(0.281)	0.089
124	10.33	0.50	0.365	0.275	(0.281)	0.090
125	10.42	0.50	0.365	0.273	(0.281)	0.091
126	10.50	0.50	0.365	0.272	(0.281)	0.093
127	10.58	0.67	0.486	0.271	(0.374)	0.215
128	10.67	0.67	0.486	0.269	(0.374)	0.217
129	10.75	0.67	0.486	0.268	(0.374)	0.218
130	10.83	0.67	0.486	0.267	(0.374)	0.219
131	10.92	0.67	0.486	0.265	(0.374)	0.221
132	11.00	0.67	0.486	0.264	(0.374)	0.222
133	11.08	0.63	0.462	0.263	(0.356)	0.199
134	11.17	0.63	0.462	0.261	(0.356)	0.200
135	11.25	0.63	0.462	0.260	(0.356)	0.202
136	11.33	0.63	0.462	0.259	(0.356)	0.203
137	11.42	0.63	0.462	0.258	(0.356)	0.204
138	11.50	0.63	0.462	0.256	(0.356)	0.205
139	11.58	0.57	0.413	0.255	(0.318)	0.158
140	11.67	0.57	0.413	0.254	(0.318)	0.159
141	11.75	0.57	0.413	0.253	(0.318)	0.161
142	11.83	0.60	0.437	0.251	(0.337)	0.186
143	11.92	0.60	0.437	0.250	(0.337)	0.187
144	12.00	0.60	0.437	0.249	(0.337)	0.189
145	12.08	0.83	0.608	0.248	(0.468)	0.360
146	12.17	0.83	0.608	0.246	(0.468)	0.361
147	12.25	0.83	0.608	0.245	(0.468)	0.363
148	12.33	0.87	0.632	0.244	(0.487)	0.388
149	12.42	0.87	0.632	0.243	(0.487)	0.389
150	12.50	0.87	0.632	0.241	(0.487)	0.391
151	12.58	0.93	0.681	0.240	(0.524)	0.440
152	12.67	0.93	0.681	0.239	(0.524)	0.442
153	12.75	0.93	0.681	0.238	(0.524)	0.443
154	12.83	0.97	0.705	0.237	(0.543)	0.468
155	12.92	0.97	0.705	0.235	(0.543)	0.469
156	13.00	0.97	0.705	0.234	(0.543)	0.471
157	13.08	1.13	0.826	0.233	(0.636)	0.593
158	13.17	1.13	0.826	0.232	(0.636)	0.595
159	13.25	1.13	0.826	0.231	(0.636)	0.596
160	13.33	1.13	0.826	0.229	(0.636)	0.597
161	13.42	1.13	0.826	0.228	(0.636)	0.598
162	13.50	1.13	0.826	0.227	(0.636)	0.599
163	13.58	0.77	0.559	0.226	(0.430)	0.333
164	13.67	0.77	0.559	0.225	(0.430)	0.334
165	13.75	0.77	0.559	0.224	(0.430)	0.335
166	13.83	0.77	0.559	0.223	(0.430)	0.336
167	13.92	0.77	0.559	0.221	(0.430)	0.338
168	14.00	0.77	0.559	0.220	(0.430)	0.339
169	14.08	0.90	0.656	0.219	(0.505)	0.437
170	14.17	0.90	0.656	0.218	(0.505)	0.438
171	14.25	0.90	0.656	0.217	(0.505)	0.439
172	14.33	0.87	0.632	0.216	(0.487)	0.416
173	14.42	0.87	0.632	0.215	(0.487)	0.417
174	14.50	0.87	0.632	0.214	(0.487)	0.418
175	14.58	0.87	0.632	0.212	(0.487)	0.419
176	14.67	0.87	0.632	0.211	(0.487)	0.421
177	14.75	0.87	0.632	0.210	(0.487)	0.422
178	14.83	0.83	0.608	0.209	(0.468)	0.398
179	14.92	0.83	0.608	0.208	(0.468)	0.399
180	15.00	0.83	0.608	0.207	(0.468)	0.401
181	15.08	0.80	0.583	0.206	(0.449)	0.377
182	15.17	0.80	0.583	0.205	(0.449)	0.378
183	15.25	0.80	0.583	0.204	(0.449)	0.379
184	15.33	0.77	0.559	0.203	(0.430)	0.356
185	15.42	0.77	0.559	0.202	(0.430)	0.357
186	15.50	0.77	0.559	0.201	(0.430)	0.358
187	15.58	0.63	0.462	0.200	(0.356)	0.262
188	15.67	0.63	0.462	0.199	(0.356)	0.263
189	15.75	0.63	0.462	0.198	(0.356)	0.264
190	15.83	0.63	0.462	0.197	(0.356)	0.265
191	15.92	0.63	0.462	0.196	(0.356)	0.266
192	16.00	0.63	0.462	0.195	(0.356)	0.267
193	16.08	0.13	0.097	(0.194)	0.075	0.022
194	16.17	0.13	0.097	(0.193)	0.075	0.022
195	16.25	0.13	0.097	(0.192)	0.075	0.022
196	16.33	0.13	0.097	(0.191)	0.075	0.022
197	16.42	0.13	0.097	(0.190)	0.075	0.022
198	16.50	0.13	0.097	(0.189)	0.075	0.022
199	16.58	0.10	0.073	(0.188)	0.056	0.017
200	16.67	0.10	0.073	(0.187)	0.056	0.017
201	16.75	0.10	0.073	(0.186)	0.056	0.017
202	16.83	0.10	0.073	(0.185)	0.056	0.017
203	16.92	0.10	0.073	(0.184)	0.056	0.017
204	17.00	0.10	0.073	(0.183)	0.056	0.017
205	17.08	0.17	0.122	(0.182)	0.094	0.028
206	17.17	0.17	0.122	(0.181)	0.094	0.028
207	17.25	0.17	0.122	(0.180)	0.094	0.028
208	17.33	0.17	0.122	(0.179)	0.094	0.028
209	17.42	0.17	0.122	(0.179)	0.094	0.028
210	17.50	0.17	0.122	(0.178)	0.094	0.028
211	17.58	0.17	0.122	(0.177)	0.094	0.028
212	17.67	0.17	0.122	(0.176)	0.094	0.028
213	17.75	0.17	0.122	(0.175)	0.094	0.028
214	17.83	0.13	0.097	(0.174)	0.075	0.022

215	17.92	0.13	0.097	(0.173)	0.075	0.022
216	18.00	0.13	0.097	(0.172)	0.075	0.022
217	18.08	0.13	0.097	(0.172)	0.075	0.022
218	18.17	0.13	0.097	(0.171)	0.075	0.022
219	18.25	0.13	0.097	(0.170)	0.075	0.022
220	18.33	0.13	0.097	(0.169)	0.075	0.022
221	18.42	0.13	0.097	(0.168)	0.075	0.022
222	18.50	0.13	0.097	(0.167)	0.075	0.022
223	18.58	0.10	0.073	(0.167)	0.056	0.017
224	18.67	0.10	0.073	(0.166)	0.056	0.017
225	18.75	0.10	0.073	(0.165)	0.056	0.017
226	18.83	0.07	0.049	(0.164)	0.037	0.011
227	18.92	0.07	0.049	(0.163)	0.037	0.011
228	19.00	0.07	0.049	(0.163)	0.037	0.011
229	19.08	0.10	0.073	(0.162)	0.056	0.017
230	19.17	0.10	0.073	(0.161)	0.056	0.017
231	19.25	0.10	0.073	(0.160)	0.056	0.017
232	19.33	0.13	0.097	(0.160)	0.075	0.022
233	19.42	0.13	0.097	(0.159)	0.075	0.022
234	19.50	0.13	0.097	(0.158)	0.075	0.022
235	19.58	0.10	0.073	(0.157)	0.056	0.017
236	19.67	0.10	0.073	(0.157)	0.056	0.017
237	19.75	0.10	0.073	(0.156)	0.056	0.017
238	19.83	0.07	0.049	(0.155)	0.037	0.011
239	19.92	0.07	0.049	(0.155)	0.037	0.011
240	20.00	0.07	0.049	(0.154)	0.037	0.011
241	20.08	0.10	0.073	(0.153)	0.056	0.017
242	20.17	0.10	0.073	(0.153)	0.056	0.017
243	20.25	0.10	0.073	(0.152)	0.056	0.017
244	20.33	0.10	0.073	(0.151)	0.056	0.017
245	20.42	0.10	0.073	(0.151)	0.056	0.017
246	20.50	0.10	0.073	(0.150)	0.056	0.017
247	20.58	0.10	0.073	(0.149)	0.056	0.017
248	20.67	0.10	0.073	(0.149)	0.056	0.017
249	20.75	0.10	0.073	(0.148)	0.056	0.017
250	20.83	0.07	0.049	(0.148)	0.037	0.011
251	20.92	0.07	0.049	(0.147)	0.037	0.011
252	21.00	0.07	0.049	(0.146)	0.037	0.011
253	21.08	0.10	0.073	(0.146)	0.056	0.017
254	21.17	0.10	0.073	(0.145)	0.056	0.017
255	21.25	0.10	0.073	(0.145)	0.056	0.017
256	21.33	0.07	0.049	(0.144)	0.037	0.011
257	21.42	0.07	0.049	(0.144)	0.037	0.011
258	21.50	0.07	0.049	(0.143)	0.037	0.011
259	21.58	0.10	0.073	(0.142)	0.056	0.017
260	21.67	0.10	0.073	(0.142)	0.056	0.017
261	21.75	0.10	0.073	(0.141)	0.056	0.017
262	21.83	0.07	0.049	(0.141)	0.037	0.011
263	21.92	0.07	0.049	(0.140)	0.037	0.011
264	22.00	0.07	0.049	(0.140)	0.037	0.011
265	22.08	0.10	0.073	(0.140)	0.056	0.017
266	22.17	0.10	0.073	(0.139)	0.056	0.017
267	22.25	0.10	0.073	(0.139)	0.056	0.017
268	22.33	0.07	0.049	(0.138)	0.037	0.011
269	22.42	0.07	0.049	(0.138)	0.037	0.011
270	22.50	0.07	0.049	(0.137)	0.037	0.011
271	22.58	0.07	0.049	(0.137)	0.037	0.011
272	22.67	0.07	0.049	(0.137)	0.037	0.011
273	22.75	0.07	0.049	(0.136)	0.037	0.011
274	22.83	0.07	0.049	(0.136)	0.037	0.011
275	22.92	0.07	0.049	(0.136)	0.037	0.011
276	23.00	0.07	0.049	(0.135)	0.037	0.011
277	23.08	0.07	0.049	(0.135)	0.037	0.011
278	23.17	0.07	0.049	(0.135)	0.037	0.011
279	23.25	0.07	0.049	(0.134)	0.037	0.011
280	23.33	0.07	0.049	(0.134)	0.037	0.011
281	23.42	0.07	0.049	(0.134)	0.037	0.011
282	23.50	0.07	0.049	(0.134)	0.037	0.011
283	23.58	0.07	0.049	(0.133)	0.037	0.011
284	23.67	0.07	0.049	(0.133)	0.037	0.011
285	23.75	0.07	0.049	(0.133)	0.037	0.011
286	23.83	0.07	0.049	(0.133)	0.037	0.011
287	23.92	0.07	0.049	(0.133)	0.037	0.011
288	24.00	0.07	0.049	(0.133)	0.037	0.011

(Loss Rate Not Used)

Sum = 100.0 Sum = 32.2

Flood volume = Effective rainfall 2.68(In)
times area 330.0(Ac.)/[(In)/(Ft.)] = 73.8(Ac.Ft)
Total soil loss = 3.39(In)
Total soil loss = 93.309(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 3213548.5 Cubic Feet
Total soil loss = 4064548.4 Cubic Feet

Peak flow rate of this hydrograph = 186.435(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0005	0.08	Q				
0+10	0.0027	0.32	Q				
0+15	0.0082	0.79	Q				
0+20	0.0210	1.86	Q				
0+25	0.0389	2.60	Q				
0+30	0.0606	3.16	Q				
0+35	0.0875	3.90	Q				
0+40	0.1177	4.38	Q				
0+45	0.1499	4.68	Q				
0+50	0.1839	4.94	Q				
0+55	0.2199	5.23	VQ				
1+ 0	0.2584	5.59	VQ				
1+ 5	0.3009	6.17	VQ				
1+10	0.3453	6.44	VQ				
1+15	0.3895	6.41	VQ				
1+20	0.4311	6.05	VQ				
1+25	0.4714	5.85	VQ				
1+30	0.5112	5.78	VQ				
1+35	0.5507	5.73	VQ				
1+40	0.5899	5.70	VQ				
1+45	0.6290	5.68	VQ				
1+50	0.6683	5.69	VQ				
1+55	0.7082	5.80	VQ				
2+ 0	0.7496	6.02	VQ				
2+ 5	0.7945	6.52	VQ				
2+10	0.8415	6.82	VQ				
2+15	0.8896	6.98	VQ				
2+20	0.9384	7.09	VQ				
2+25	0.9878	7.17	VQ				

2+30	1.0376	7.24	VQ					7+40	6.5700	19.93	Q								
2+35	1.0881	7.33	VQ					7+45	6.7101	20.33	VQ								
2+40	1.1397	7.49	VQ					7+50	6.8548	21.01	VQ								
2+45	1.1931	7.75	VQ					7+55	7.0031	21.54	VQ								
2+50	1.2502	8.29	VQ					8+ 0	7.1547	22.00	VQ								
2+55	1.3096	8.62	VQ					8+ 5	7.3115	22.77	VQ								
3+ 0	1.3701	8.79	VQ					8+10	7.4730	23.46	Q								
3+ 5	1.4315	8.91	VQ					8+15	7.6396	24.19	Q								
3+10	1.4935	9.00	VQ					8+20	7.8146	25.41	VQ								
3+15	1.5559	9.07	VQ					8+25	7.9949	26.18	VQ								
3+20	1.6188	9.13	VQ					8+30	8.1782	26.61	VQ								
3+25	1.6820	9.17	VQ					8+35	8.3639	26.96	VQ								
3+30	1.7454	9.21	VQ					8+40	8.5520	27.32	VQ								
3+35	1.8090	9.24	VQ					8+45	8.7431	27.73	VQ								
3+40	1.8727	9.26	|Q					8+50	8.9397	28.56	VQ								
3+45	1.9365	9.27	|Q					8+55	9.1430	29.52	VQ								
3+50	2.0007	9.31	|Q					9+ 0	9.3553	30.82	VQ								
3+55	2.0657	9.44	|Q					9+ 5	9.5872	33.67	VQ								
4+ 0	2.1323	9.68	|Q					9+10	9.8382	36.45	V Q								
4+ 5	2.2025	10.20	|VQ					9+15	10.1107	39.57	V Q								
4+10	2.2749	10.51	|VQ					9+20	10.4217	45.15	V Q|							
4+15	2.3484	10.67	|VQ					9+25	10.7605	49.20	V Q|							
4+20	2.4230	10.83	|VQ					9+30	11.1210	52.33	V Q								
4+25	2.4990	11.04	|VQ					9+35	11.5095	56.42	V |Q								
4+30	2.5771	11.34	|VQ					9+40	11.9205	59.68	V |Q								
4+35	2.6592	11.91	|VQ					9+45	12.3514	62.56	V | Q								
4+40	2.7437	12.27	|VQ					9+50	12.8093	66.49	V | Q								
4+45	2.8294	12.46	|VQ					9+55	13.2889	69.64	V | Q								
4+50	2.9164	12.63	|VQ					10+ 0	13.7876	72.41	V | Q								
4+55	3.0050	12.86	|VQ					10+ 5	14.3035	74.91	V | Q								
5+ 0	3.0957	13.17	|VQ					10+10	14.8113	73.74	V | Q								
5+ 5	3.1898	13.67	|VQ					10+15	15.2818	68.31	V | Q								
5+10	3.2847	13.78	|VQ					10+20	15.6533	53.94	V Q								
5+15	3.3778	13.51	|VQ					10+25	15.9673	45.60	VQ|							
5+20	3.4650	12.66	|VQ					10+30	16.2547	41.73	Q |							
5+25	3.5494	12.26	|VQ					10+35	16.5297	39.94	QV |							
5+30	3.6339	12.26	|VQ					10+40	16.8104	40.75	QV|							
5+35	3.7210	12.65	| Q					10+45	17.1165	44.45	QV|							
5+40	3.8102	12.96	| Q					10+50	17.4932	54.69	VQ								
5+45	3.9015	13.25	| Q					10+55	17.9117	60.76	V| Q								
5+50	3.9966	13.81	| Q					11+ 0	18.3509	63.78	V| Q								
5+55	4.0940	14.14	| Q					11+ 5	18.8045	65.86	V Q								
6+ 0	4.1926	14.32	| Q					11+10	19.2670	67.15	V Q								
6+ 5	4.2924	14.48	| Q					11+15	19.7340	67.81	V Q								
6+10	4.3936	14.71	| Q					11+20	20.1953	66.98	V Q								
6+15	4.4971	15.03	| VQ					11+25	20.6556	66.83	|V Q								
6+20	4.6047	15.61	| VQ					11+30	21.1181	67.15	|V Q								
6+25	4.7147	15.98	| VQ					11+35	21.5808	67.19	|V Q								
6+30	4.8261	16.17	| VQ					11+40	22.0384	66.45	|V Q								
6+35	4.9387	16.35	| VQ					11+45	22.4835	64.63	| Q								
6+40	5.0528	16.57	| VQ					11+50	22.9006	60.56	| Q								
6+45	5.1691	16.88	| VQ					11+55	23.3047	58.68	|QV								
6+50	5.2893	17.46	| VQ					12+ 0	23.7087	58.66	|QV								
6+55	5.4120	17.82	| VQ					12+ 5	24.1320	61.46	| QV								
7+ 0	5.5361	18.01	| Q					12+10	24.5879	66.20	| Q								
7+ 5	5.6611	18.16	| Q					12+15	25.0967	73.87	| VQ								
7+10	5.7869	18.27	| Q					12+20	25.7183	90.25	| V Q								
7+15	5.9133	18.35	| Q					12+25	26.4118	100.71	| V Q								
7+20	6.0403	18.45	| Q					12+30	27.1488	107.00	| V |Q								
7+25	6.1686	18.62	| Q					12+35	27.9304	113.49	| V | Q								
7+30	6.2987	18.89	| Q					12+40	28.7495	118.94	| V | Q								
7+35	6.4328	19.47	| Q					12+45	29.6046	124.16	| V | Q								

| | | |

23+10	73.3979	3.81	Q	|	|	|	V|
23+15	73.4240	3.78	Q	|	|	|	V|
23+20	73.4499	3.76	Q	|	|	|	V|
23+25	73.4757	3.75	Q	|	|	|	V|
23+30	73.5015	3.74	Q	|	|	|	V|
23+35	73.5272	3.74	Q	|	|	|	V|
23+40	73.5529	3.73	Q	|	|	|	V|
23+45	73.5786	3.73	Q	|	|	|	V|
23+50	73.6043	3.73	Q	|	|	|	V|
23+55	73.6300	3.73	Q	|	|	|	V|
24+ 0	73.6557	3.73	Q	|	|	|	V|
24+ 5	73.6808	3.65	Q	|	|	|	V|
24+10	73.7042	3.40	Q	|	|	|	V|
24+15	73.7244	2.93	Q	|	|	|	V|
24+20	73.7375	1.90	Q	|	|	|	V|
24+25	73.7463	1.28	Q	|	|	|	V|
24+30	73.7529	0.96	Q	|	|	|	V|
24+35	73.7579	0.73	Q	|	|	|	V|
24+40	73.7617	0.56	Q	|	|	|	V|
24+45	73.7646	0.42	Q	|	|	|	V|
24+50	73.7668	0.32	Q	|	|	|	V|
24+55	73.7684	0.23	Q	|	|	|	V|
25+ 0	73.7696	0.17	Q	|	|	|	V|
25+ 5	73.7704	0.12	Q	|	|	|	V|
25+10	73.7710	0.09	Q	|	|	|	V|
25+15	73.7715	0.07	Q	|	|	|	V|
25+20	73.7719	0.06	Q	|	|	|	V|
25+25	73.7722	0.04	Q	|	|	|	V|
25+30	73.7724	0.04	Q	|	|	|	V|
25+35	73.7726	0.03	Q	|	|	|	V|
25+40	73.7728	0.02	Q	|	|	|	V|
25+45	73.7728	0.01	Q	|	|	|	V|
25+50	73.7729	0.01	Q	|	|	|	V|
25+55	73.7729	0.00	Q	|	|	|	V|
26+ 0	73.7729	0.00	Q	|	|	|	V|

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/19/24 File: MESAP10B1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10B, 100-YR
2/09/24
--------------------------------------------------------------------------
Drainage Area =      23.61(Ac.)  =      0.037 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      23.61(Ac.)  =
0.037 Sq. Mi.
Length along longest watercourse =    1432.00(Ft.)
Length along longest watercourse measured to centroid =     600.00(Ft.)
Length along longest watercourse =      0.271 Mi.
Length along longest watercourse measured to centroid =      0.114 Mi.
Difference in elevation =      14.40(Ft.)
Slope along watercourse =     53.0950 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.045 Hr.
Lag time =     2.71 Min.
25% of lag time =     0.68 Min.
40% of lag time =     1.08 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       23.61              0.94                   22.19

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       23.61              1.97                   46.51

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     1.590           95.00          0.900
     1.930           85.00          0.750
     0.960           90.00          0.750
     7.280           68.00          0.200
     6.360           79.00          0.200
     3.790           84.00          0.200
     0.570           65.00          0.120
     0.530           77.00          0.120
     0.600           82.00          0.120
 Total Area Entered =     23.61(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
95.0  95.0      0.065     0.900        0.012       0.067      0.001
85.0  85.0      0.187     0.750        0.061       0.082      0.005
90.0  90.0      0.130     0.750        0.042       0.041      0.002
68.0  68.0      0.384     0.200        0.315       0.308      0.097
79.0  79.0      0.256     0.200        0.210       0.269      0.057
84.0  84.0      0.198     0.200        0.163       0.161      0.026
65.0  65.0      0.416     0.120        0.371       0.024      0.009
77.0  77.0      0.279     0.120        0.249       0.022      0.006
82.0  82.0      0.221     0.120        0.197       0.025      0.005
                                                Sum (F) =   0.207
Area averaged mean soil loss (F) (In/Hr) =  0.207
Minimum soil loss rate ((In/Hr)) =  0.103
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.650
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        184.724         39.077             9.298
    2   0.167        369.447         51.427            12.237
    3   0.250        554.171          8.006             1.905
    4   0.333        738.894          1.490             0.355
                              Sum = 100.000   Sum=      23.794
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
   1   0.08     1.30      0.307       (  0.207)       0.200        0.108
   2   0.17     1.30      0.307       (  0.207)       0.200        0.108
   3   0.25     1.10      0.260       (  0.207)       0.169        0.091
```

4	0.33	1.50	0.355	0.207	(0.230)	0.148
5	0.42	1.50	0.355	0.207	(0.230)	0.148
6	0.50	1.80	0.425	0.207	(0.277)	0.219
7	0.58	1.50	0.355	0.207	(0.230)	0.148
8	0.67	1.80	0.425	0.207	(0.277)	0.219
9	0.75	1.80	0.425	0.207	(0.277)	0.219
10	0.83	1.50	0.355	0.207	(0.230)	0.148
11	0.92	1.60	0.378	0.207	(0.246)	0.172
12	1.00	1.80	0.425	0.207	(0.277)	0.219
13	1.08	2.20	0.520	0.207	(0.338)	0.313
14	1.17	2.20	0.520	0.207	(0.338)	0.313
15	1.25	2.20	0.520	0.207	(0.338)	0.313
16	1.33	2.00	0.473	0.207	(0.307)	0.266
17	1.42	2.60	0.615	0.207	(0.399)	0.408
18	1.50	2.70	0.638	0.207	(0.415)	0.432
19	1.58	2.40	0.567	0.207	(0.369)	0.361
20	1.67	2.70	0.638	0.207	(0.415)	0.432
21	1.75	3.30	0.780	0.207	(0.507)	0.573
22	1.83	3.10	0.733	0.207	(0.476)	0.526
23	1.92	2.90	0.685	0.207	(0.446)	0.479
24	2.00	3.00	0.709	0.207	(0.461)	0.502
25	2.08	3.10	0.733	0.207	(0.476)	0.526
26	2.17	4.20	0.993	0.207	(0.645)	0.786
27	2.25	5.00	1.182	0.207	(0.768)	0.975
28	2.33	3.50	0.827	0.207	(0.538)	0.621
29	2.42	6.80	1.607	0.207	(1.045)	1.401
30	2.50	7.30	1.726	0.207	(1.122)	1.519
31	2.58	8.20	1.938	0.207	(1.260)	1.732
32	2.67	5.90	1.395	0.207	(0.907)	1.188
33	2.75	2.00	0.473	0.207	(0.307)	0.266
34	2.83	1.80	0.425	0.207	(0.277)	0.219
35	2.92	1.80	0.425	0.207	(0.277)	0.219
36	3.00	0.60	0.142	(0.207)	0.092	0.050

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.4

Flood volume = Effective rainfall 1.36(In)
times area 23.6(Ac.)/[(In)/(Ft.)] = 2.7(Ac.Ft)
Total soil loss = 0.61(In)
Total soil loss = 1.193(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 116862.6 Cubic Feet
Total soil loss = 51957.4 Cubic Feet

Peak flow rate of this hydrograph = 37.594(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 10.0 20.0 30.0 40.0
0+ 5	0.0069	1.00	VQ
0+10	0.0229	2.32	V Q
0+15	0.0392	2.37	V Q
0+20	0.0580	2.73	V Q
0+25	0.0814	3.40	|V Q
0+30	0.1100	4.16	|V Q
0+35	0.1403	4.39	| V Q
0+40	0.1700	4.32	| V Q
0+45	0.2049	5.07	| V Q
0+50	0.2361	4.52	| VQ
0+55	0.2629	3.90	| Q
1+ 0	0.2939	4.49	| Q
1+ 5	0.3350	5.97	| VQ
1+10	0.3848	7.23	| V Q
1+15	0.4359	7.43	| VQ
1+20	0.4843	7.02	| Q
1+25	0.5377	7.76	| QV
1+30	0.6040	9.63	| Q|
1+35	0.6695	9.51	| Q|
1+40	0.7342	9.40	| QV
1+45	0.8132	11.46	| |QV
1+50	0.9017	12.86	| | QV
1+55	0.9854	12.14	| | Q V
2+ 0	1.0662	11.74	| |Q V
2+ 5	1.1499	12.14	| | Q V
2+10	1.2524	14.88	| | Q V
2+15	1.3892	19.88	| | QV
2+20	1.5228	19.40	| | Q| V
2+25	1.6796	22.77	| | | Q V
2+30	1.9056	32.81	| | | V Q
2+35	2.1645	37.59	| | | V Q
2+40	2.4100	35.64	| | | Q
2+45	2.5536	20.86	| | Q | V
2+50	2.6099	8.17	| Q | V
2+55	2.6487	5.64	| Q | V
3+ 0	2.6739	3.65	| Q | V
3+ 5	2.6815	1.10	|Q | V
3+10	2.6827	0.17	Q | V
3+15	2.6828	0.02	Q | V

```
                U n i t   H y d r o g r a p h   A n a l y s i s

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                        Study date  02/19/24 File: MESAP10B1006100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10B, 100-YR
2/09/24
------------------------------------------------------------------------
Drainage Area =      23.61(Ac.)  =      0.037 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      23.61(Ac.)  =
0.037 Sq. Mi.
Length along longest watercourse =    1432.00(Ft.)
Length along longest watercourse measured to centroid =     600.00(Ft.)
Length along longest watercourse =      0.271 Mi.
Length along longest watercourse measured to centroid =      0.114 Mi.
Difference in elevation =      14.40(Ft.)
Slope along watercourse =     53.0950 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.045 Hr.
Lag time =     2.71 Min.
25% of lag time =     0.68 Min.
40% of lag time =     1.08 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       23.61              1.35                   31.87

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       23.61              2.78                   65.64

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     1.590           95.00          0.900
     1.930           85.00          0.750
     0.960           90.00          0.750
     7.280           68.00          0.200
     6.360           79.00          0.200
     3.790           84.00          0.200
     0.570           65.00          0.120
     0.530           77.00          0.120
     0.600           82.00          0.120
 Total Area Entered =     23.61(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
95.0  95.0      0.065     0.900        0.012       0.067      0.001
85.0  85.0      0.187     0.750        0.061       0.082      0.005
90.0  90.0      0.130     0.750        0.042       0.041      0.002
68.0  68.0      0.384     0.200        0.315       0.308      0.097
79.0  79.0      0.256     0.200        0.210       0.269      0.057
84.0  84.0      0.198     0.200        0.163       0.161      0.026
65.0  65.0      0.416     0.120        0.371       0.024      0.009
77.0  77.0      0.279     0.120        0.249       0.022      0.006
82.0  82.0      0.221     0.120        0.197       0.025      0.005
                                                 Sum (F) =   0.207
Area averaged mean soil loss (F) (In/Hr) =  0.207
Minimum soil loss rate ((In/Hr)) =  0.103
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.650
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        184.724         39.077             9.298
    2   0.167        369.447         51.427            12.237
    3   0.250        554.171          8.006             1.905
    4   0.333        738.894          1.490             0.355
                              Sum = 100.000   Sum=      23.794
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
   1   0.08     0.50      0.167       (  0.207)       0.108        0.058
   2   0.17     0.60      0.200       (  0.207)       0.130        0.070
   3   0.25     0.60      0.200       (  0.207)       0.130        0.070
```

4	0.33	0.60	0.200	(0.207)	0.130	0.070
5	0.42	0.60	0.200	(0.207)	0.130	0.070
6	0.50	0.70	0.234	(0.207)	0.152	0.082
7	0.58	0.70	0.234	(0.207)	0.152	0.082
8	0.67	0.70	0.234	(0.207)	0.152	0.082
9	0.75	0.70	0.234	(0.207)	0.152	0.082
10	0.83	0.70	0.234	(0.207)	0.152	0.082
11	0.92	0.70	0.234	(0.207)	0.152	0.082
12	1.00	0.80	0.267	(0.207)	0.173	0.093
13	1.08	0.80	0.267	(0.207)	0.173	0.093
14	1.17	0.80	0.267	(0.207)	0.173	0.093
15	1.25	0.80	0.267	(0.207)	0.173	0.093
16	1.33	0.80	0.267	(0.207)	0.173	0.093
17	1.42	0.80	0.267	(0.207)	0.173	0.093
18	1.50	0.80	0.267	(0.207)	0.173	0.093
19	1.58	0.80	0.267	(0.207)	0.173	0.093
20	1.67	0.80	0.267	(0.207)	0.173	0.093
21	1.75	0.80	0.267	(0.207)	0.173	0.093
22	1.83	0.80	0.267	(0.207)	0.173	0.093
23	1.92	0.80	0.267	(0.207)	0.173	0.093
24	2.00	0.90	0.300	(0.207)	0.195	0.105
25	2.08	0.80	0.267	(0.207)	0.173	0.093
26	2.17	0.90	0.300	(0.207)	0.195	0.105
27	2.25	0.90	0.300	(0.207)	0.195	0.105
28	2.33	0.90	0.300	(0.207)	0.195	0.105
29	2.42	0.90	0.300	(0.207)	0.195	0.105
30	2.50	0.90	0.300	(0.207)	0.195	0.105
31	2.58	0.90	0.300	(0.207)	0.195	0.105
32	2.67	0.90	0.300	(0.207)	0.195	0.105
33	2.75	1.00	0.334	0.207 (0.217)		0.127
34	2.83	1.00	0.334	0.207 (0.217)		0.127
35	2.92	1.00	0.334	0.207 (0.217)		0.127
36	3.00	1.00	0.334	0.207 (0.217)		0.127
37	3.08	1.00	0.334	0.207 (0.217)		0.127
38	3.17	1.10	0.367	0.207 (0.239)		0.160
39	3.25	1.10	0.367	0.207 (0.239)		0.160
40	3.33	1.10	0.367	0.207 (0.239)		0.160
41	3.42	1.20	0.400	0.207 (0.260)		0.194
42	3.50	1.30	0.434	0.207 (0.282)		0.227
43	3.58	1.40	0.467	0.207 (0.304)		0.260
44	3.67	1.40	0.467	0.207 (0.304)		0.260
45	3.75	1.50	0.500	0.207 (0.325)		0.294
46	3.83	1.50	0.500	0.207 (0.325)		0.294
47	3.92	1.60	0.534	0.207 (0.347)		0.327
48	4.00	1.60	0.534	0.207 (0.347)		0.327
49	4.08	1.70	0.567	0.207 (0.369)		0.360
50	4.17	1.80	0.600	0.207 (0.390)		0.394
51	4.25	1.90	0.634	0.207 (0.412)		0.427
52	4.33	2.00	0.667	0.207 (0.434)		0.460
53	4.42	2.10	0.701	0.207 (0.455)		0.494
54	4.50	2.10	0.701	0.207 (0.455)		0.494
55	4.58	2.20	0.734	0.207 (0.477)		0.527
56	4.67	2.30	0.767	0.207 (0.499)		0.561
57	4.75	2.40	0.801	0.207 (0.520)		0.594
58	4.83	2.40	0.801	0.207 (0.520)		0.594
59	4.92	2.50	0.834	0.207 (0.542)		0.627
60	5.00	2.60	0.867	0.207 (0.564)		0.661
61	5.08	3.10	1.034	0.207 (0.672)		0.827
62	5.17	3.60	1.201	0.207 (0.781)		0.994
63	5.25	3.90	1.301	0.207 (0.846)		1.094
64	5.33	4.20	1.401	0.207 (0.911)		1.194
65	5.42	4.70	1.568	0.207 (1.019)		1.361
66	5.50	5.60	1.868	0.207 (1.214)		1.661
67	5.58	1.90	0.634	0.207 (0.412)		0.427
68	5.67	0.90	0.300	(0.207)	0.195	0.105
69	5.75	0.60	0.200	(0.207)	0.130	0.070
70	5.83	0.50	0.167	(0.207)	0.108	0.058
71	5.92	0.30	0.100	(0.207)	0.065	0.035
72	6.00	0.20	0.067	(0.207)	0.043	0.023

(Loss Rate Not Used)

Sum = 100.0 Sum = 20.2

Flood volume = Effective rainfall 1.69(In)
times area 23.6(Ac.)/[(In)/(Ft.)] = 3.3(Ac.Ft)
Total soil loss = 1.09(In)
Total soil loss = 2.153(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 144450.5 Cubic Feet
Total soil loss = 93788.1 Cubic Feet

Peak flow rate of this hydrograph = 34.784(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0037	0.54	Q				
0+10	0.0132	1.37	VQ				
0+15	0.0243	1.62	VQ				
0+20	0.0358	1.66	VQ				
0+25	0.0473	1.67	VQ				
0+30	0.0595	1.78	VQ				
0+35	0.0727	1.92	VQ				
0+40	0.0861	1.94	|Q				
0+45	0.0995	1.95	|Q				
0+50	0.1129	1.95	|Q				
0+55	0.1263	1.95	|Q				
1+ 0	0.1404	2.05	|VQ				
1+ 5	0.1556	2.20	|VQ				
1+10	0.1708	2.22	| Q				
1+15	0.1862	2.22	| Q				
1+20	0.2015	2.22	| Q				
1+25	0.2168	2.22	| Q				
1+30	0.2321	2.22	| Q				
1+35	0.2474	2.22	| Q				
1+40	0.2627	2.22	| QV				
1+45	0.2780	2.22	| QV				
1+50	0.2933	2.22	| QV				
1+55	0.3087	2.22	| QV				
2+ 0	0.3247	2.33	| QV				
2+ 5	0.3410	2.37	| Q V				
2+10	0.3572	2.35	| Q V				
2+15	0.3743	2.48	| Q V				
2+20	0.3915	2.50	| Q V				
2+25	0.4087	2.50	| Q V				
2+30	0.4260	2.50	| Q V				
2+35	0.4432	2.50	| Q V				
2+40	0.4604	2.50	| Q V				
2+45	0.4790	2.70	| Q V				
2+50	0.4995	2.97	| Q V				

```
   2+55       0.5203      3.01  |  Q  V   |         |         |         |
   3+ 0       0.5411      3.02  |  Q  V   |         |         |         |
   3+ 5       0.5619      3.02  |  Q  V   |         |         |         |
   3+10       0.5848      3.33  |  Q   V  |         |         |         |
   3+15       0.6106      3.74  |  Q   V  |         |         |         |
   3+20       0.6368      3.80  |  Q   V  |         |         |         |
   3+25       0.6652      4.13  |   Q   V |         |         |         |
   3+30       0.6985      4.84  |   Q   V |         |         |         |
   3+35       0.7373      5.63  |    Q  V |         |         |         |
   3+40       0.7793      6.11  |     Q  V|         |         |         |
   3+45       0.8241      6.50  |     Q  V|         |         |         |
   3+50       0.8717      6.92  |     Q   V         |         |         |
   3+55       0.9219      7.29  |      Q  |V        |         |         |
   4+ 0       0.9750      7.71  |      Q  |V        |         |         |
   4+ 5       1.0307      8.08  |       Q | V       |         |         |
   4+10       1.0914      8.81  |       Q |  V      |         |         |
   4+15       1.1575      9.60  |        Q|  V      |         |         |
   4+20       1.2290     10.39  |         Q   V     |         |         |
   4+25       1.3061     11.18  |         |Q   V    |         |         |
   4+30       1.3864     11.67  |         |Q    V   |         |         |
   4+35       1.4695     12.05  |         | Q    V  |         |         |
   4+40       1.5575     12.79  |         | Q     V |         |         |
   4+45       1.6510     13.57  |         |  Q     V|         |         |
   4+50       1.7477     14.05  |         |   Q     |V        |         |
   4+55       1.8471     14.44  |         |   Q     | V       |         |
   5+ 0       1.9516     15.17  |         |    Q    |  V      |         |
   5+ 5       2.0700     17.19  |         |      Q  |   V     |         |
   5+10       2.2137     20.86  |         |         Q     V   |         |
   5+15       2.3801     24.16  |         |         |   Q   V |         |
   5+20       2.5639     26.70  |         |         |     Q   V         |
   5+25       2.7686     29.72  |         |         |        Q|  V      |
   5+30       3.0082     34.78  |         |         |         |   Q V   |
   5+35       3.1964     27.33  |         |         |      Q  |       V |
   5+40       3.2643      9.86  |        Q|         |         |        V|
   5+45       3.2873      3.34  |  Q      |         |         |        V|
   5+50       3.2994      1.75  |Q        |         |         |        V|
   5+55       3.3077      1.21  |Q        |         |         |        V|
   6+ 0       3.3131      0.78  Q         |         |         |        V|
   6+ 5       3.3157      0.37  Q         |         |         |        V|
   6+10       3.3161      0.06  Q         |         |         |        V|
   6+15       3.3161      0.01  Q         |         |         |         V
-------------------------------------------------------------------------
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                U n i t   H y d r o g r a p h   A n a l y s i s

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                        Study date  02/19/24 File: MESAP10B10024100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10B, 100-YR
2/09/24
------------------------------------------------------------------------
Drainage Area =      23.61(Ac.)  =      0.037 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      23.61(Ac.)  =
0.037 Sq. Mi.
Length along longest watercourse =    1432.00(Ft.)
Length along longest watercourse measured to centroid =     600.00(Ft.)
Length along longest watercourse =      0.271 Mi.
Length along longest watercourse measured to centroid =      0.114 Mi.
Difference in elevation =      14.40(Ft.)
Slope along watercourse =     53.0950 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.045 Hr.
Lag time =     2.71 Min.
25% of lag time =     0.68 Min.
40% of lag time =     1.08 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       23.61              2.45                   57.84

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       23.61              6.08                  143.55

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     1.590           95.00          0.900
     1.930           85.00          0.750
     0.960           90.00          0.750
     7.280           68.00          0.200
     6.360           79.00          0.200
     3.790           84.00          0.200
     0.570           65.00          0.120
     0.530           77.00          0.120
     0.600           82.00          0.120
 Total Area Entered =     23.61(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
95.0  95.0      0.065     0.900        0.012       0.067      0.001
85.0  85.0      0.187     0.750        0.061       0.082      0.005
90.0  90.0      0.130     0.750        0.042       0.041      0.002
68.0  68.0      0.384     0.200        0.315       0.308      0.097
79.0  79.0      0.256     0.200        0.210       0.269      0.057
84.0  84.0      0.198     0.200        0.163       0.161      0.026
65.0  65.0      0.416     0.120        0.371       0.024      0.009
77.0  77.0      0.279     0.120        0.249       0.022      0.006
82.0  82.0      0.221     0.120        0.197       0.025      0.005
                                                 Sum (F) =   0.207
Area averaged mean soil loss (F) (In/Hr) =  0.207
Minimum soil loss rate ((In/Hr)) =  0.103
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.650
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        184.724         39.077             9.298
    2   0.167        369.447         51.427            12.237
    3   0.250        554.171          8.006             1.905
    4   0.333        738.894          1.490             0.355
                              Sum = 100.000   Sum=      23.794
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     0.07      0.049       (  0.366)       0.032        0.017
   2   0.17     0.07      0.049       (  0.365)       0.032        0.017
   3   0.25     0.07      0.049       (  0.364)       0.032        0.017
```

4	0.33	0.10	0.073	(0.362)	0.047	0.026
5	0.42	0.10	0.073	(0.361)	0.047	0.026
6	0.50	0.10	0.073	(0.359)	0.047	0.026
7	0.58	0.10	0.073	(0.358)	0.047	0.026
8	0.67	0.10	0.073	(0.357)	0.047	0.026
9	0.75	0.10	0.073	(0.355)	0.047	0.026
10	0.83	0.13	0.097	(0.354)	0.063	0.034
11	0.92	0.13	0.097	(0.352)	0.063	0.034
12	1.00	0.13	0.097	(0.351)	0.063	0.034
13	1.08	0.10	0.073	(0.350)	0.047	0.026
14	1.17	0.10	0.073	(0.348)	0.047	0.026
15	1.25	0.10	0.073	(0.347)	0.047	0.026
16	1.33	0.10	0.073	(0.345)	0.047	0.026
17	1.42	0.10	0.073	(0.344)	0.047	0.026
18	1.50	0.10	0.073	(0.343)	0.047	0.026
19	1.58	0.10	0.073	(0.341)	0.047	0.026
20	1.67	0.10	0.073	(0.340)	0.047	0.026
21	1.75	0.10	0.073	(0.339)	0.047	0.026
22	1.83	0.13	0.097	(0.337)	0.063	0.034
23	1.92	0.13	0.097	(0.336)	0.063	0.034
24	2.00	0.13	0.097	(0.335)	0.063	0.034
25	2.08	0.13	0.097	(0.333)	0.063	0.034
26	2.17	0.13	0.097	(0.332)	0.063	0.034
27	2.25	0.13	0.097	(0.330)	0.063	0.034
28	2.33	0.13	0.097	(0.329)	0.063	0.034
29	2.42	0.13	0.097	(0.328)	0.063	0.034
30	2.50	0.13	0.097	(0.326)	0.063	0.034
31	2.58	0.17	0.122	(0.325)	0.079	0.043
32	2.67	0.17	0.122	(0.324)	0.079	0.043
33	2.75	0.17	0.122	(0.322)	0.079	0.043
34	2.83	0.17	0.122	(0.321)	0.079	0.043
35	2.92	0.17	0.122	(0.320)	0.079	0.043
36	3.00	0.17	0.122	(0.318)	0.079	0.043
37	3.08	0.17	0.122	(0.317)	0.079	0.043
38	3.17	0.17	0.122	(0.316)	0.079	0.043
39	3.25	0.17	0.122	(0.315)	0.079	0.043
40	3.33	0.17	0.122	(0.313)	0.079	0.043
41	3.42	0.17	0.122	(0.312)	0.079	0.043
42	3.50	0.17	0.122	(0.311)	0.079	0.043
43	3.58	0.17	0.122	(0.309)	0.079	0.043
44	3.67	0.17	0.122	(0.308)	0.079	0.043
45	3.75	0.17	0.122	(0.307)	0.079	0.043
46	3.83	0.20	0.146	(0.305)	0.095	0.051
47	3.92	0.20	0.146	(0.304)	0.095	0.051
48	4.00	0.20	0.146	(0.303)	0.095	0.051
49	4.08	0.20	0.146	(0.302)	0.095	0.051
50	4.17	0.20	0.146	(0.300)	0.095	0.051
51	4.25	0.20	0.146	(0.299)	0.095	0.051
52	4.33	0.23	0.170	(0.298)	0.111	0.060
53	4.42	0.23	0.170	(0.296)	0.111	0.060
54	4.50	0.23	0.170	(0.295)	0.111	0.060
55	4.58	0.23	0.170	(0.294)	0.111	0.060
56	4.67	0.23	0.170	(0.293)	0.111	0.060
57	4.75	0.23	0.170	(0.291)	0.111	0.060
58	4.83	0.27	0.195	(0.290)	0.126	0.068
59	4.92	0.27	0.195	(0.289)	0.126	0.068
60	5.00	0.27	0.195	(0.288)	0.126	0.068
61	5.08	0.20	0.146	(0.286)	0.095	0.051
62	5.17	0.20	0.146	(0.285)	0.095	0.051
63	5.25	0.20	0.146	(0.284)	0.095	0.051
64	5.33	0.23	0.170	(0.283)	0.111	0.060
65	5.42	0.23	0.170	(0.281)	0.111	0.060
66	5.50	0.23	0.170	(0.280)	0.111	0.060
67	5.58	0.27	0.195	(0.279)	0.126	0.068
68	5.67	0.27	0.195	(0.278)	0.126	0.068
69	5.75	0.27	0.195	(0.276)	0.126	0.068
70	5.83	0.27	0.195	(0.275)	0.126	0.068
71	5.92	0.27	0.195	(0.274)	0.126	0.068
72	6.00	0.27	0.195	(0.273)	0.126	0.068
73	6.08	0.30	0.219	(0.272)	0.142	0.077
74	6.17	0.30	0.219	(0.270)	0.142	0.077
75	6.25	0.30	0.219	(0.269)	0.142	0.077
76	6.33	0.30	0.219	(0.268)	0.142	0.077
77	6.42	0.30	0.219	(0.267)	0.142	0.077
78	6.50	0.30	0.219	(0.266)	0.142	0.077
79	6.58	0.33	0.243	(0.264)	0.158	0.085
80	6.67	0.33	0.243	(0.263)	0.158	0.085
81	6.75	0.33	0.243	(0.262)	0.158	0.085
82	6.83	0.33	0.243	(0.261)	0.158	0.085
83	6.92	0.33	0.243	(0.260)	0.158	0.085
84	7.00	0.33	0.243	(0.258)	0.158	0.085
85	7.08	0.33	0.243	(0.257)	0.158	0.085
86	7.17	0.33	0.243	(0.256)	0.158	0.085
87	7.25	0.33	0.243	(0.255)	0.158	0.085
88	7.33	0.37	0.268	(0.254)	0.174	0.094
89	7.42	0.37	0.268	(0.253)	0.174	0.094
90	7.50	0.37	0.268	(0.251)	0.174	0.094
91	7.58	0.40	0.292	(0.250)	0.190	0.102
92	7.67	0.40	0.292	(0.249)	0.190	0.102
93	7.75	0.40	0.292	(0.248)	0.190	0.102
94	7.83	0.43	0.316	(0.247)	0.205	0.111
95	7.92	0.43	0.316	(0.246)	0.205	0.111
96	8.00	0.43	0.316	(0.245)	0.205	0.111
97	8.08	0.50	0.365	(0.243)	0.237	0.128
98	8.17	0.50	0.365	(0.242)	0.237	0.128
99	8.25	0.50	0.365	(0.241)	0.237	0.128
100	8.33	0.50	0.365	(0.240)	0.237	0.128
101	8.42	0.50	0.365	(0.239)	0.237	0.128
102	8.50	0.50	0.365	(0.238)	0.237	0.128
103	8.58	0.53	0.389	0.237	(0.253)	0.152
104	8.67	0.53	0.389	0.236	(0.253)	0.153
105	8.75	0.53	0.389	0.235	(0.253)	0.155
106	8.83	0.57	0.413	0.233	(0.269)	0.180
107	8.92	0.57	0.413	0.232	(0.269)	0.181
108	9.00	0.57	0.413	0.231	(0.269)	0.182
109	9.08	0.63	0.462	0.230	(0.300)	0.232
110	9.17	0.63	0.462	0.229	(0.300)	0.233
111	9.25	0.63	0.462	0.228	(0.300)	0.234
112	9.33	0.67	0.486	0.227	(0.316)	0.260
113	9.42	0.67	0.486	0.226	(0.316)	0.261
114	9.50	0.67	0.486	0.225	(0.316)	0.262
115	9.58	0.70	0.511	0.224	(0.332)	0.287
116	9.67	0.70	0.511	0.223	(0.332)	0.288
117	9.75	0.70	0.511	0.221	(0.332)	0.289
118	9.83	0.73	0.535	0.220	(0.348)	0.315
119	9.92	0.73	0.535	0.219	(0.348)	0.316
120	10.00	0.73	0.535	0.218	(0.348)	0.317
121	10.08	0.50	0.365	0.217	(0.237)	0.148
122	10.17	0.50	0.365	0.216	(0.237)	0.149
123	10.25	0.50	0.365	0.215	(0.237)	0.150
124	10.33	0.50	0.365	0.214	(0.237)	0.151
125	10.42	0.50	0.365	0.213	(0.237)	0.152
126	10.50	0.50	0.365	0.212	(0.237)	0.153
127	10.58	0.67	0.486	0.211	(0.316)	0.275

128	10.67	0.67	0.486	0.210	(0.316)	0.276
129	10.75	0.67	0.486	0.209	(0.316)	0.277
130	10.83	0.67	0.486	0.208	(0.316)	0.279
131	10.92	0.67	0.486	0.207	(0.316)	0.280
132	11.00	0.67	0.486	0.206	(0.316)	0.281
133	11.08	0.63	0.462	0.205	(0.300)	0.257
134	11.17	0.63	0.462	0.204	(0.300)	0.258
135	11.25	0.63	0.462	0.203	(0.300)	0.259
136	11.33	0.63	0.462	0.202	(0.300)	0.260
137	11.42	0.63	0.462	0.201	(0.300)	0.261
138	11.50	0.63	0.462	0.200	(0.300)	0.262
139	11.58	0.57	0.413	0.199	(0.269)	0.215
140	11.67	0.57	0.413	0.198	(0.269)	0.216
141	11.75	0.57	0.413	0.197	(0.269)	0.217
142	11.83	0.60	0.438	0.196	(0.285)	0.242
143	11.92	0.60	0.438	0.195	(0.285)	0.243
144	12.00	0.60	0.438	0.194	(0.285)	0.244
145	12.08	0.83	0.608	0.193	(0.395)	0.415
146	12.17	0.83	0.608	0.192	(0.395)	0.416
147	12.25	0.83	0.608	0.191	(0.395)	0.417
148	12.33	0.87	0.632	0.190	(0.411)	0.442
149	12.42	0.87	0.632	0.189	(0.411)	0.443
150	12.50	0.87	0.632	0.188	(0.411)	0.444
151	12.58	0.93	0.681	0.187	(0.443)	0.494
152	12.67	0.93	0.681	0.186	(0.443)	0.495
153	12.75	0.93	0.681	0.185	(0.443)	0.496
154	12.83	0.97	0.705	0.184	(0.458)	0.521
155	12.92	0.97	0.705	0.183	(0.458)	0.522
156	13.00	0.97	0.705	0.183	(0.458)	0.523
157	13.08	1.13	0.827	0.182	(0.537)	0.645
158	13.17	1.13	0.827	0.181	(0.537)	0.646
159	13.25	1.13	0.827	0.180	(0.537)	0.647
160	13.33	1.13	0.827	0.179	(0.537)	0.648
161	13.42	1.13	0.827	0.178	(0.537)	0.649
162	13.50	1.13	0.827	0.177	(0.537)	0.650
163	13.58	0.77	0.559	0.176	(0.364)	0.383
164	13.67	0.77	0.559	0.175	(0.364)	0.384
165	13.75	0.77	0.559	0.174	(0.364)	0.385
166	13.83	0.77	0.559	0.173	(0.364)	0.386
167	13.92	0.77	0.559	0.173	(0.364)	0.387
168	14.00	0.77	0.559	0.172	(0.364)	0.388
169	14.08	0.90	0.657	0.171	(0.427)	0.486
170	14.17	0.90	0.657	0.170	(0.427)	0.487
171	14.25	0.90	0.657	0.169	(0.427)	0.488
172	14.33	0.87	0.632	0.168	(0.411)	0.464
173	14.42	0.87	0.632	0.167	(0.411)	0.465
174	14.50	0.87	0.632	0.166	(0.411)	0.466
175	14.58	0.87	0.632	0.166	(0.411)	0.467
176	14.67	0.87	0.632	0.165	(0.411)	0.468
177	14.75	0.87	0.632	0.164	(0.411)	0.468
178	14.83	0.83	0.608	0.163	(0.395)	0.445
179	14.92	0.83	0.608	0.162	(0.395)	0.446
180	15.00	0.83	0.608	0.161	(0.395)	0.447
181	15.08	0.80	0.584	0.161	(0.379)	0.423
182	15.17	0.80	0.584	0.160	(0.379)	0.424
183	15.25	0.80	0.584	0.159	(0.379)	0.425
184	15.33	0.77	0.559	0.158	(0.364)	0.401
185	15.42	0.77	0.559	0.157	(0.364)	0.402
186	15.50	0.77	0.559	0.157	(0.364)	0.403
187	15.58	0.63	0.462	0.156	(0.300)	0.306
188	15.67	0.63	0.462	0.155	(0.300)	0.307
189	15.75	0.63	0.462	0.154	(0.300)	0.308
190	15.83	0.63	0.462	0.153	(0.300)	0.309
191	15.92	0.63	0.462	0.153	(0.300)	0.309
192	16.00	0.63	0.462	0.152	(0.300)	0.310
193	16.08	0.13	0.097	(0.151)	0.063	0.034
194	16.17	0.13	0.097	(0.150)	0.063	0.034
195	16.25	0.13	0.097	(0.149)	0.063	0.034
196	16.33	0.13	0.097	(0.149)	0.063	0.034
197	16.42	0.13	0.097	(0.148)	0.063	0.034
198	16.50	0.13	0.097	(0.147)	0.063	0.034
199	16.58	0.10	0.073	(0.146)	0.047	0.026
200	16.67	0.10	0.073	(0.146)	0.047	0.026
201	16.75	0.10	0.073	(0.145)	0.047	0.026
202	16.83	0.10	0.073	(0.144)	0.047	0.026
203	16.92	0.10	0.073	(0.144)	0.047	0.026
204	17.00	0.10	0.073	(0.143)	0.047	0.026
205	17.08	0.17	0.122	(0.142)	0.079	0.043
206	17.17	0.17	0.122	(0.141)	0.079	0.043
207	17.25	0.17	0.122	(0.141)	0.079	0.043
208	17.33	0.17	0.122	(0.140)	0.079	0.043
209	17.42	0.17	0.122	(0.139)	0.079	0.043
210	17.50	0.17	0.122	(0.139)	0.079	0.043
211	17.58	0.17	0.122	(0.138)	0.079	0.043
212	17.67	0.17	0.122	(0.137)	0.079	0.043
213	17.75	0.17	0.122	(0.136)	0.079	0.043
214	17.83	0.13	0.097	(0.136)	0.063	0.034
215	17.92	0.13	0.097	(0.135)	0.063	0.034
216	18.00	0.13	0.097	(0.134)	0.063	0.034
217	18.08	0.13	0.097	(0.134)	0.063	0.034
218	18.17	0.13	0.097	(0.133)	0.063	0.034
219	18.25	0.13	0.097	(0.132)	0.063	0.034
220	18.33	0.13	0.097	(0.132)	0.063	0.034
221	18.42	0.13	0.097	(0.131)	0.063	0.034
222	18.50	0.13	0.097	(0.131)	0.063	0.034
223	18.58	0.10	0.073	(0.130)	0.047	0.026
224	18.67	0.10	0.073	(0.129)	0.047	0.026
225	18.75	0.10	0.073	(0.129)	0.047	0.026
226	18.83	0.07	0.049	(0.128)	0.032	0.017
227	18.92	0.07	0.049	(0.127)	0.032	0.017
228	19.00	0.07	0.049	(0.127)	0.032	0.017
229	19.08	0.10	0.073	(0.126)	0.047	0.026
230	19.17	0.10	0.073	(0.126)	0.047	0.026
231	19.25	0.10	0.073	(0.125)	0.047	0.026
232	19.33	0.13	0.097	(0.124)	0.063	0.034
233	19.42	0.13	0.097	(0.124)	0.063	0.034
234	19.50	0.13	0.097	(0.123)	0.063	0.034
235	19.58	0.10	0.073	(0.123)	0.047	0.026
236	19.67	0.10	0.073	(0.122)	0.047	0.026
237	19.75	0.10	0.073	(0.122)	0.047	0.026
238	19.83	0.07	0.049	(0.121)	0.032	0.017
239	19.92	0.07	0.049	(0.121)	0.032	0.017
240	20.00	0.07	0.049	(0.120)	0.032	0.017
241	20.08	0.10	0.073	(0.119)	0.047	0.026
242	20.17	0.10	0.073	(0.119)	0.047	0.026
243	20.25	0.10	0.073	(0.118)	0.047	0.026
244	20.33	0.10	0.073	(0.118)	0.047	0.026
245	20.42	0.10	0.073	(0.117)	0.047	0.026
246	20.50	0.10	0.073	(0.117)	0.047	0.026
247	20.58	0.10	0.073	(0.116)	0.047	0.026
248	20.67	0.10	0.073	(0.116)	0.047	0.026
249	20.75	0.10	0.073	(0.115)	0.047	0.026
250	20.83	0.07	0.049	(0.115)	0.032	0.017
251	20.92	0.07	0.049	(0.115)	0.032	0.017

252	21.00	0.07	0.049	(0.114)	0.032	0.017
253	21.08	0.10	0.073	(0.114)	0.047	0.026
254	21.17	0.10	0.073	(0.113)	0.047	0.026
255	21.25	0.10	0.073	(0.113)	0.047	0.026
256	21.33	0.07	0.049	(0.112)	0.032	0.017
257	21.42	0.07	0.049	(0.112)	0.032	0.017
258	21.50	0.07	0.049	(0.111)	0.032	0.017
259	21.58	0.10	0.073	(0.111)	0.047	0.026
260	21.67	0.10	0.073	(0.111)	0.047	0.026
261	21.75	0.10	0.073	(0.110)	0.047	0.026
262	21.83	0.07	0.049	(0.110)	0.032	0.017
263	21.92	0.07	0.049	(0.110)	0.032	0.017
264	22.00	0.07	0.049	(0.109)	0.032	0.017
265	22.08	0.10	0.073	(0.109)	0.047	0.026
266	22.17	0.10	0.073	(0.108)	0.047	0.026
267	22.25	0.10	0.073	(0.108)	0.047	0.026
268	22.33	0.07	0.049	(0.108)	0.032	0.017
269	22.42	0.07	0.049	(0.107)	0.032	0.017
270	22.50	0.07	0.049	(0.107)	0.032	0.017
271	22.58	0.07	0.049	(0.107)	0.032	0.017
272	22.67	0.07	0.049	(0.106)	0.032	0.017
273	22.75	0.07	0.049	(0.106)	0.032	0.017
274	22.83	0.07	0.049	(0.106)	0.032	0.017
275	22.92	0.07	0.049	(0.106)	0.032	0.017
276	23.00	0.07	0.049	(0.105)	0.032	0.017
277	23.08	0.07	0.049	(0.105)	0.032	0.017
278	23.17	0.07	0.049	(0.105)	0.032	0.017
279	23.25	0.07	0.049	(0.105)	0.032	0.017
280	23.33	0.07	0.049	(0.104)	0.032	0.017
281	23.42	0.07	0.049	(0.104)	0.032	0.017
282	23.50	0.07	0.049	(0.104)	0.032	0.017
283	23.58	0.07	0.049	(0.104)	0.032	0.017
284	23.67	0.07	0.049	(0.104)	0.032	0.017
285	23.75	0.07	0.049	(0.104)	0.032	0.017
286	23.83	0.07	0.049	(0.104)	0.032	0.017
287	23.92	0.07	0.049	(0.103)	0.032	0.017
288	24.00	0.07	0.049	(0.103)	0.032	0.017

(Loss Rate Not Used)

Sum = 100.0 Sum = 40.0

Flood volume = Effective rainfall 3.33(In)
times area 23.6(Ac.)/[(In)/(Ft.)] = 6.6(Ac.Ft)
Total soil loss = 2.75(In)
Total soil loss = 5.404(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 285665.3 Cubic Feet
Total soil loss = 235392.9 Cubic Feet

Peak flow rate of this hydrograph = 15.454(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0011	0.16	Q	|	|	|	|
0+10	0.0036	0.37	Q	|	|	|	|
0+15	0.0064	0.40	Q	|	|	|	|
0+20	0.0097	0.48	Q	|	|	|	|
0+25	0.0138	0.59	VQ	|	|	|	|
0+30	0.0179	0.60	VQ	|	|	|	|
0+35	0.0221	0.61	VQ	|	|	|	|
0+40	0.0263	0.61	VQ	|	|	|	|
0+45	0.0305	0.61	VQ	|	|	|	|
0+50	0.0352	0.69	VQ	|	|	|	|
0+55	0.0407	0.79	VQ	|	|	|	|
1+ 0	0.0462	0.81	VQ	|	|	|	|
1+ 5	0.0513	0.73	VQ	|	|	|	|
1+10	0.0556	0.63	VQ	|	|	|	|
1+15	0.0598	0.61	VQ	|	|	|	|
1+20	0.0640	0.61	VQ	|	|	|	|
1+25	0.0682	0.61	VQ	|	|	|	|
1+30	0.0723	0.61	VQ	|	|	|	|
1+35	0.0765	0.61	VQ	|	|	|	|
1+40	0.0807	0.61	VQ	|	|	|	|
1+45	0.0849	0.61	VQ	|	|	|	|
1+50	0.0896	0.69	VQ	|	|	|	|
1+55	0.0951	0.79	VQ	|	|	|	|
2+ 0	0.1007	0.81	VQ	|	|	|	|
2+ 5	0.1062	0.81	VQ	|	|	|	|
2+10	0.1118	0.81	VQ	|	|	|	|
2+15	0.1174	0.81	VQ	|	|	|	|
2+20	0.1230	0.81	VQ	|	|	|	|
2+25	0.1286	0.81	VQ	|	|	|	|
2+30	0.1341	0.81	VQ	|	|	|	|
2+35	0.1403	0.89	VQ	|	|	|	|
2+40	0.1471	0.99	VQ	|	|	|	|
2+45	0.1541	1.01	V Q	|	|	|	|
2+50	0.1611	1.01	V Q	|	|	|	|
2+55	0.1680	1.01	|VQ	|	|	|	|
3+ 0	0.1750	1.01	|VQ	|	|	|	|
3+ 5	0.1820	1.01	|VQ	|	|	|	|
3+10	0.1890	1.01	|VQ	|	|	|	|
3+15	0.1959	1.01	|VQ	|	|	|	|
3+20	0.2029	1.01	|VQ	|	|	|	|
3+25	0.2099	1.01	|VQ	|	|	|	|
3+30	0.2169	1.01	|VQ	|	|	|	|
3+35	0.2239	1.01	|VQ	|	|	|	|
3+40	0.2308	1.01	|VQ	|	|	|	|
3+45	0.2378	1.01	|VQ	|	|	|	|
3+50	0.2453	1.09	|VQ	|	|	|	|
3+55	0.2536	1.20	|VQ	|	|	|	|
4+ 0	0.2619	1.21	|VQ	|	|	|	|
4+ 5	0.2703	1.22	|VQ	|	|	|	|
4+10	0.2787	1.22	|VQ	|	|	|	|
4+15	0.2870	1.22	|VQ	|	|	|	|
4+20	0.2960	1.29	|VQ	|	|	|	|
4+25	0.3056	1.40	|VQ	|	|	|	|
4+30	0.3153	1.42	|VQ	|	|	|	|
4+35	0.3251	1.42	|VQ	|	|	|	|
4+40	0.3349	1.42	| Q	|	|	|	|
4+45	0.3447	1.42	| Q	|	|	|	|
4+50	0.3550	1.50	| Q	|	|	|	|
4+55	0.3660	1.60	| VQ	|	|	|	|
5+ 0	0.3771	1.62	| VQ	|	|	|	|
5+ 5	0.3872	1.46	| Q	|	|	|	|
5+10	0.3959	1.25	| Q	|	|	|	|
5+15	0.4043	1.22	| Q	|	|	|	|
5+20	0.4132	1.29	| Q	|	|	|	|
5+25	0.4228	1.40	| Q	|	|	|	|
5+30	0.4326	1.42	| Q	|	|	|	|

| | | |

15+55	6.0687	7.35	|	Q |	|	V |	
16+ 0	6.1195	7.37	|	Q |	|	V |	
16+ 5	6.1526	4.81	| Q|	|	|	V |	
16+10	6.1625	1.43	| Q |	|	|	V |	
16+15	6.1688	0.91	|Q |	|	|	V |	
16+20	6.1744	0.81	|Q |	|	|	V |	
16+25	6.1800	0.81	|Q |	|	|	V |	
16+30	6.1855	0.81	|Q |	|	|	V |	
16+35	6.1906	0.73	|Q |	|	|	V |	
16+40	6.1949	0.63	|Q |	|	|	V |	
16+45	6.1991	0.61	|Q |	|	|	V |	
16+50	6.2033	0.61	|Q |	|	|	V |	
16+55	6.2075	0.61	|Q |	|	|	V |	
17+ 0	6.2117	0.61	|Q |	|	|	V |	
17+ 5	6.2169	0.77	|Q |	|	|	V |	
17+10	6.2236	0.97	|Q |	|	|	V |	
17+15	6.2306	1.01	| Q |	|	|	V |	
17+20	6.2376	1.01	| Q |	|	|	V |	
17+25	6.2445	1.01	| Q |	|	|	V |	
17+30	6.2515	1.01	| Q |	|	|	V |	
17+35	6.2585	1.01	| Q |	|	|	V |	
17+40	6.2655	1.01	| Q |	|	|	V |	
17+45	6.2724	1.01	| Q |	|	|	V |	
17+50	6.2789	0.93	|Q |	|	|	V |	
17+55	6.2846	0.83	|Q |	|	|	V |	
18+ 0	6.2902	0.81	|Q |	|	|	V |	
18+ 5	6.2958	0.81	|Q |	|	|	V |	
18+10	6.3014	0.81	|Q |	|	|	V |	
18+15	6.3069	0.81	|Q |	|	|	V |	
18+20	6.3125	0.81	|Q |	|	|	V |	
18+25	6.3181	0.81	|Q |	|	|	V |	
18+30	6.3237	0.81	|Q |	|	|	V |	
18+35	6.3287	0.73	|Q |	|	|	V |	
18+40	6.3330	0.63	|Q |	|	|	V |	
18+45	6.3373	0.61	|Q |	|	|	V |	
18+50	6.3409	0.53	|Q |	|	|	V |	
18+55	6.3438	0.42	Q |	|	|	V |	
19+ 0	6.3466	0.41	Q |	|	|	V |	
19+ 5	6.3500	0.48	Q |	|	|	V |	
19+10	6.3540	0.59	|Q |	|	|	V |	
19+15	6.3582	0.60	|Q |	|	|	V |	
19+20	6.3629	0.69	|Q |	|	|	V |	
19+25	6.3684	0.79	|Q |	|	|	V |	
19+30	6.3739	0.81	|Q |	|	|	V |	
19+35	6.3790	0.73	|Q |	|	|	V |	
19+40	6.3833	0.63	|Q |	|	|	V |	
19+45	6.3875	0.61	|Q |	|	|	V |	
19+50	6.3911	0.53	|Q |	|	|	V |	
19+55	6.3941	0.42	Q |	|	|	V|	
20+ 0	6.3969	0.41	Q |	|	|	V|	
20+ 5	6.4002	0.48	Q |	|	|	V|	
20+10	6.4043	0.59	|Q |	|	|	V|	
20+15	6.4084	0.60	|Q |	|	|	V|	
20+20	6.4126	0.61	|Q |	|	|	V|	
20+25	6.4168	0.61	|Q |	|	|	V|	
20+30	6.4210	0.61	|Q |	|	|	V|	
20+35	6.4252	0.61	|Q |	|	|	V|	
20+40	6.4294	0.61	|Q |	|	|	V|	
20+45	6.4335	0.61	|Q |	|	|	V|	
20+50	6.4372	0.53	|Q |	|	|	V|	
20+55	6.4401	0.42	Q |	|	|	V|	
21+ 0	6.4429	0.41	Q |	|	|	V|	
21+ 5	6.4463	0.48	Q |	|	|	V|	
21+10	6.4503	0.59	|Q |	|	|	V|	
21+15	6.4545	0.60	|Q |	|	|	V|	
21+20	6.4581	0.53	|Q |	|	|	V|	
21+25	6.4610	0.42	Q |	|	|	V|	
21+30	6.4639	0.41	Q |	|	|	V|	
21+35	6.4672	0.48	Q |	|	|	V|	
21+40	6.4712	0.59	|Q |	|	|	V|	
21+45	6.4754	0.60	|Q |	|	|	V|	
21+50	6.4791	0.53	|Q |	|	|	V|	
21+55	6.4820	0.42	Q |	|	|	V|	
22+ 0	6.4848	0.41	Q |	|	|	V|	
22+ 5	6.4881	0.48	Q |	|	|	V|	
22+10	6.4922	0.59	|Q |	|	|	V|	
22+15	6.4963	0.60	|Q |	|	|	V|	
22+20	6.5000	0.53	|Q |	|	|	V|	
22+25	6.5029	0.42	Q |	|	|	V|	
22+30	6.5057	0.41	Q |	|	|	V|	
22+35	6.5085	0.41	Q |	|	|	V|	
22+40	6.5113	0.41	Q |	|	|	V|	
22+45	6.5141	0.41	Q |	|	|	V|	
22+50	6.5169	0.41	Q |	|	|	V|	
22+55	6.5197	0.41	Q |	|	|	V|	
23+ 0	6.5225	0.41	Q |	|	|	V|	
23+ 5	6.5253	0.41	Q |	|	|	V|	
23+10	6.5281	0.41	Q |	|	|	V|	
23+15	6.5308	0.41	Q |	|	|	V|	
23+20	6.5336	0.41	Q |	|	|	V|	
23+25	6.5364	0.41	Q |	|	|	V|	
23+30	6.5392	0.41	Q |	|	|	V|	
23+35	6.5420	0.41	Q |	|	|	V|	
23+40	6.5448	0.41	Q |	|	|	V|	
23+45	6.5476	0.41	Q |	|	|	V|	
23+50	6.5504	0.41	Q |	|	|	V|	
23+55	6.5532	0.41	Q |	|	|	V|	
24+ 0	6.5560	0.41	Q |	|	|	V|	
24+ 5	6.5577	0.25	Q |	|	|	V|	
24+10	6.5579	0.04	Q |	|	|	V|	
24+15	6.5580	0.01	Q |	|	|	V|	

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                  Study date  08/05/24 File: MESAP10C1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

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 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10C, 100-YR
8/05/24
------------------------------------------------------------------------
Drainage Area =      18.70(Ac.)  =      0.029 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      18.70(Ac.)  =
0.029 Sq. Mi.
Length along longest watercourse =    1208.00(Ft.)
Length along longest watercourse measured to centroid =     601.00(Ft.)
Length along longest watercourse =      0.229 Mi.
Length along longest watercourse measured to centroid =      0.114 Mi.
Difference in elevation =      12.00(Ft.)
Slope along watercourse =     52.4503 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.042 Hr.
Lag time =     2.54 Min.
25% of lag time =     0.64 Min.
40% of lag time =     1.02 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       18.70              0.94                    17.58

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       18.70              1.97                    36.84

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     3.110            92.00          0.900
     1.410            94.00          0.900
     1.210            95.00          0.900
     1.500            68.00          0.200
     7.490            79.00          0.200
     1.620            65.00          0.120
     1.990            77.00          0.120
     0.370            82.00          0.120
 Total Area Entered =     18.70(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020        0.166     0.003
94.0  94.0      0.078     0.900        0.015        0.075     0.001
95.0  95.0      0.065     0.900        0.012        0.065     0.001
68.0  68.0      0.384     0.200        0.315        0.080     0.025
79.0  79.0      0.256     0.200        0.210        0.401     0.084
65.0  65.0      0.416     0.120        0.371        0.087     0.032
77.0  77.0      0.279     0.120        0.249        0.106     0.027
82.0  82.0      0.221     0.120        0.197        0.020     0.004
                                                 Sum (F) =   0.177
Area averaged mean soil loss (F) (In/Hr) =  0.177
Minimum soil loss rate ((In/Hr)) =  0.089
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.590
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        196.477         41.565             7.833
    2   0.167        392.955         50.348             9.489
    3   0.250        589.432          6.907             1.302
    4   0.333        785.909          1.180             0.222
                              Sum = 100.000   Sum=      18.846
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)      Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low          (In/Hr)
   1   0.08     1.30      0.307          0.177    (  0.181)        0.130
   2   0.17     1.30      0.307          0.177    (  0.181)        0.130
   3   0.25     1.10      0.260       (  0.177)       0.153        0.107
   4   0.33     1.50      0.355          0.177    (  0.209)        0.178
   5   0.42     1.50      0.355          0.177    (  0.209)        0.178
```

6	0.50	1.80	0.425	0.177	(0.251)	0.248	
7	0.58	1.50	0.355	0.177	(0.209)	0.178	
8	0.67	1.80	0.425	0.177	(0.251)	0.248	
9	0.75	1.80	0.425	0.177	(0.251)	0.248	
10	0.83	1.50	0.355	0.177	(0.209)	0.178	
11	0.92	1.60	0.378	0.177	(0.223)	0.201	
12	1.00	1.80	0.425	0.177	(0.251)	0.248	
13	1.08	2.20	0.520	0.177	(0.307)	0.343	
14	1.17	2.20	0.520	0.177	(0.307)	0.343	
15	1.25	2.20	0.520	0.177	(0.307)	0.343	
16	1.33	2.00	0.473	0.177	(0.279)	0.296	
17	1.42	2.60	0.615	0.177	(0.363)	0.438	
18	1.50	2.70	0.638	0.177	(0.377)	0.461	
19	1.58	2.40	0.567	0.177	(0.335)	0.390	
20	1.67	2.70	0.638	0.177	(0.377)	0.461	
21	1.75	3.30	0.780	0.177	(0.460)	0.603	
22	1.83	3.10	0.733	0.177	(0.432)	0.556	
23	1.92	2.90	0.686	0.177	(0.404)	0.508	
24	2.00	3.00	0.709	0.177	(0.418)	0.532	
25	2.08	3.10	0.733	0.177	(0.432)	0.556	
26	2.17	4.20	0.993	0.177	(0.586)	0.816	
27	2.25	5.00	1.182	0.177	(0.697)	1.005	
28	2.33	3.50	0.827	0.177	(0.488)	0.650	
29	2.42	6.80	1.607	0.177	(0.948)	1.430	
30	2.50	7.30	1.726	0.177	(1.018)	1.549	
31	2.58	8.20	1.938	0.177	(1.144)	1.761	
32	2.67	5.90	1.395	0.177	(0.823)	1.218	
33	2.75	2.00	0.473	0.177	(0.279)	0.296	
34	2.83	1.80	0.425	0.177	(0.251)	0.248	
35	2.92	1.80	0.425	0.177	(0.251)	0.248	
36	3.00	0.60	0.142	(0.177)	0.084	0.058	

(Loss Rate Not Used)

Sum = 100.0 Sum = 17.4

Flood volume = Effective rainfall 1.45(In)
times area 18.7(Ac.)/[(In)/(Ft.)] = 2.3(Ac.Ft)
Total soil loss = 0.52(In)
Total soil loss = 0.812(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 98327.1 Cubic Feet
Total soil loss = 35387.5 Cubic Feet

Peak flow rate of this hydrograph = 30.513(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0070	1.02	VQ				
0+10	0.0226	2.26	V Q				
0+15	0.0380	2.24	V Q				
0+20	0.0559	2.60	V Q				
0+25	0.0783	3.24	|V Q				
0+30	0.1051	3.89	|V Q				
0+35	0.1328	4.02	| V Q				
0+40	0.1603	4.00	| VQ				
0+45	0.1919	4.59	| VQ				
0+50	0.2202	4.11	| VQ				
0+55	0.2453	3.64	| QV				
1+ 0	0.2739	4.14	| Q				
1+ 5	0.3107	5.35	| Q				
1+10	0.3542	6.31	| Q				
1+15	0.3986	6.45	| QV				
1+20	0.4406	6.10	| QV				
1+25	0.4871	6.76	| Q V				
1+30	0.5438	8.23	| QV|				
1+35	0.5994	8.07	| Q V				
1+40	0.6546	8.02	| Q |V				
1+45	0.7215	9.72	| Q| V				
1+50	0.7957	10.77	| Q V				
1+55	0.8656	10.15	| Q V				
2+ 0	0.9335	9.86	| Q| V				
2+ 5	1.0037	10.19	| Q V				
2+10	1.0896	12.48	| Q V|				
2+15	1.2030	16.46	| Q |V				
2+20	1.3119	15.82	| Q | V				
2+25	1.4419	18.87	| Q | V				
2+30	1.6264	26.79	| Q V |				
2+35	1.8366	30.51	| Q V				
2+40	2.0335	28.60	| Q | V				
2+45	2.1473	16.52	| Q | V				
2+50	2.1936	6.73	| Q | V				
2+55	2.2278	4.96	| Q V|				
3+ 0	2.2499	3.20	| Q V|				
3+ 5	2.2563	0.93	Q | V|				
3+10	2.2572	0.13	Q | V|				
3+15	2.2573	0.01	Q | V|				

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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  08/05/24 File: MESAP10C1006100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10C, 100-YR
8/05/24
------------------------------------------------------------------------
Drainage Area =      18.70(Ac.)  =      0.029 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      18.70(Ac.)  =
0.029 Sq. Mi.
Length along longest watercourse =    1208.00(Ft.)
Length along longest watercourse measured to centroid =     601.00(Ft.)
Length along longest watercourse =      0.229 Mi.
Length along longest watercourse measured to centroid =      0.114 Mi.
Difference in elevation =      12.00(Ft.)
Slope along watercourse =     52.4503 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.042 Hr.
Lag time =     2.54 Min.
25% of lag time =     0.64 Min.
40% of lag time =     1.02 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       18.70              1.35                 25.25

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       18.70              2.78                 51.99

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     3.110            92.00          0.900
     1.410            94.00          0.900
     1.210            95.00          0.900
     1.500            68.00          0.200
     7.490            79.00          0.200
     1.620            65.00          0.120
     1.990            77.00          0.120
     0.370            82.00          0.120
 Total Area Entered =     18.70(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020        0.166      0.003
94.0  94.0      0.078     0.900        0.015        0.075      0.001
95.0  95.0      0.065     0.900        0.012        0.065      0.001
68.0  68.0      0.384     0.200        0.315        0.080      0.025
79.0  79.0      0.256     0.200        0.210        0.401      0.084
65.0  65.0      0.416     0.120        0.371        0.087      0.032
77.0  77.0      0.279     0.120        0.249        0.106      0.027
82.0  82.0      0.221     0.120        0.197        0.020      0.004
                                                 Sum (F) =   0.177
Area averaged mean soil loss (F) (In/Hr) =  0.177
Minimum soil loss rate ((In/Hr)) =  0.089
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.590
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        196.477         41.565             7.833
    2   0.167        392.955         50.348             9.489
    3   0.250        589.432          6.907             1.302
    4   0.333        785.909          1.180             0.222
                              Sum = 100.000   Sum=      18.846
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)      Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low          (In/Hr)
   1   0.08     0.50      0.167       (  0.177)       0.098        0.068
   2   0.17     0.60      0.200       (  0.177)       0.118        0.082
   3   0.25     0.60      0.200       (  0.177)       0.118        0.082
   4   0.33     0.60      0.200       (  0.177)       0.118        0.082
   5   0.42     0.60      0.200       (  0.177)       0.118        0.082
```

6	0.50	0.70	0.234	(0.177)	0.138	0.096
7	0.58	0.70	0.234	(0.177)	0.138	0.096
8	0.67	0.70	0.234	(0.177)	0.138	0.096
9	0.75	0.70	0.234	(0.177)	0.138	0.096
10	0.83	0.70	0.234	(0.177)	0.138	0.096
11	0.92	0.70	0.234	(0.177)	0.138	0.096
12	1.00	0.80	0.267	(0.177)	0.157	0.109
13	1.08	0.80	0.267	(0.177)	0.157	0.109
14	1.17	0.80	0.267	(0.177)	0.157	0.109
15	1.25	0.80	0.267	(0.177)	0.157	0.109
16	1.33	0.80	0.267	(0.177)	0.157	0.109
17	1.42	0.80	0.267	(0.177)	0.157	0.109
18	1.50	0.80	0.267	(0.177)	0.157	0.109
19	1.58	0.80	0.267	(0.177)	0.157	0.109
20	1.67	0.80	0.267	(0.177)	0.157	0.109
21	1.75	0.80	0.267	(0.177)	0.157	0.109
22	1.83	0.80	0.267	(0.177)	0.157	0.109
23	1.92	0.80	0.267	(0.177)	0.157	0.109
24	2.00	0.90	0.300	0.177 (0.177)		0.123
25	2.08	0.80	0.267	(0.177)	0.157	0.109
26	2.17	0.90	0.300	0.177 (0.177)		0.123
27	2.25	0.90	0.300	0.177 (0.177)		0.123
28	2.33	0.90	0.300	0.177 (0.177)		0.123
29	2.42	0.90	0.300	0.177 (0.177)		0.123
30	2.50	0.90	0.300	0.177 (0.177)		0.123
31	2.58	0.90	0.300	0.177 (0.177)		0.123
32	2.67	0.90	0.300	0.177 (0.177)		0.123
33	2.75	1.00	0.334	0.177 (0.197)		0.157
34	2.83	1.00	0.334	0.177 (0.197)		0.157
35	2.92	1.00	0.334	0.177 (0.197)		0.157
36	3.00	1.00	0.334	0.177 (0.197)		0.157
37	3.08	1.00	0.334	0.177 (0.197)		0.157
38	3.17	1.10	0.367	0.177 (0.216)		0.190
39	3.25	1.10	0.367	0.177 (0.216)		0.190
40	3.33	1.10	0.367	0.177 (0.216)		0.190
41	3.42	1.20	0.400	0.177 (0.236)		0.223
42	3.50	1.30	0.434	0.177 (0.256)		0.257
43	3.58	1.40	0.467	0.177 (0.276)		0.290
44	3.67	1.40	0.467	0.177 (0.276)		0.290
45	3.75	1.50	0.500	0.177 (0.295)		0.323
46	3.83	1.50	0.500	0.177 (0.295)		0.323
47	3.92	1.60	0.534	0.177 (0.315)		0.357
48	4.00	1.60	0.534	0.177 (0.315)		0.357
49	4.08	1.70	0.567	0.177 (0.335)		0.390
50	4.17	1.80	0.600	0.177 (0.354)		0.423
51	4.25	1.90	0.634	0.177 (0.374)		0.457
52	4.33	2.00	0.667	0.177 (0.394)		0.490
53	4.42	2.10	0.701	0.177 (0.413)		0.523
54	4.50	2.10	0.701	0.177 (0.413)		0.523
55	4.58	2.20	0.734	0.177 (0.433)		0.557
56	4.67	2.30	0.767	0.177 (0.453)		0.590
57	4.75	2.40	0.801	0.177 (0.472)		0.624
58	4.83	2.40	0.801	0.177 (0.472)		0.624
59	4.92	2.50	0.834	0.177 (0.492)		0.657
60	5.00	2.60	0.867	0.177 (0.512)		0.690
61	5.08	3.10	1.034	0.177 (0.610)		0.857
62	5.17	3.60	1.201	0.177 (0.709)		1.024
63	5.25	3.90	1.301	0.177 (0.768)		1.124
64	5.33	4.20	1.401	0.177 (0.827)		1.224
65	5.42	4.70	1.568	0.177 (0.925)		1.391
66	5.50	5.60	1.868	0.177 (1.102)		1.691
67	5.58	1.90	0.634	0.177 (0.374)		0.457
68	5.67	0.90	0.300	0.177 (0.177)		0.123
69	5.75	0.60	0.200	(0.177)	0.118	0.082
70	5.83	0.50	0.167	(0.177)	0.098	0.068
71	5.92	0.30	0.100	(0.177)	0.059	0.041
72	6.00	0.20	0.067	(0.177)	0.039	0.027

(Loss Rate Not Used)

Sum = 100.0 Sum = 21.8

Flood volume = Effective rainfall 1.82(In)
times area 18.7(Ac.)/[(In)/(Ft.)] = 2.8(Ac.Ft)
Total soil loss = 0.96(In)
Total soil loss = 1.500(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 123372.8 Cubic Feet
Total soil loss = 65324.3 Cubic Feet

Peak flow rate of this hydrograph = 28.301(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0037	0.54	Q				
0+10	0.0126	1.29	VQ				
0+15	0.0230	1.51	V Q				
0+20	0.0336	1.54	V Q				
0+25	0.0443	1.55	V Q				
0+30	0.0557	1.65	V Q				
0+35	0.0680	1.78	V Q				
0+40	0.0804	1.80	|VQ				
0+45	0.0928	1.81	|VQ				
0+50	0.1053	1.81	|VQ				
0+55	0.1177	1.81	|VQ				
1+ 0	0.1309	1.91	|VQ				
1+ 5	0.1449	2.04	| Q				
1+10	0.1591	2.06	| Q				
1+15	0.1733	2.06	| Q				
1+20	0.1875	2.06	| Q				
1+25	0.2017	2.06	| Q				
1+30	0.2159	2.06	| QV				
1+35	0.2302	2.06	| QV				
1+40	0.2444	2.06	| QV				
1+45	0.2586	2.06	| QV				
1+50	0.2728	2.06	| QV				
1+55	0.2870	2.06	| Q V				
2+ 0	0.3019	2.17	| Q V				
2+ 5	0.3170	2.19	| Q V				
2+10	0.3321	2.19	| Q V				
2+15	0.3480	2.31	| QV				
2+20	0.3640	2.32	| Q V				
2+25	0.3800	2.32	| Q V				
2+30	0.3960	2.32	| Q V				
2+35	0.4120	2.32	| Q V				
2+40	0.4280	2.32	| Q V				
2+45	0.4458	2.58	| Q V				
2+50	0.4658	2.90	| Q V				
2+55	0.4860	2.94	| Q V				
3+ 0	0.5064	2.95	| Q V				

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   3+ 5       0.5267      2.95  |  Q   V  |          |          |          |
   3+10       0.5488      3.21  |   Q  V  |          |          |          |
   3+15       0.5731      3.53  |   Q   V |          |          |          |
   3+20       0.5977      3.57  |   Q   V |          |          |          |
   3+25       0.6242      3.84  |    Q  V |          |          |          |
   3+30       0.6547      4.42  |    Q   V|          |          |          |
   3+35       0.6894      5.04  |     Q  V|          |          |          |
   3+40       0.7266      5.41  |      Q  V          |          |          |
   3+45       0.7660      5.72  |      Q  V          |          |          |
   3+50       0.8077      6.05  |       Q |V         |          |          |
   3+55       0.8514      6.35  |       Q | V        |          |          |
   4+ 0       0.8974      6.68  |       Q | V        |          |          |
   4+ 5       0.9455      6.98  |        Q|  V       |          |          |
   4+10       0.9976      7.57  |         Q   V      |          |          |
   4+15       1.0540      8.19  |         Q   V      |          |          |
   4+20       1.1147      8.82  |         |Q   V     |          |          |
   4+25       1.1797      9.45  |         | Q   V    |          |          |
   4+30       1.2473      9.81  |         |  Q   V   |          |          |
   4+35       1.3170     10.12  |         |  Q    V  |          |          |
   4+40       1.3908     10.71  |         |   Q    V|          |          |
   4+45       1.4688     11.33  |         |    Q    V          |          |
   4+50       1.5494     11.70  |         |    Q    |V         |          |
   4+55       1.6321     12.01  |         |     Q   |  V       |          |
   5+ 0       1.7189     12.60  |         |     Q   |   V      |          |
   5+ 5       1.8171     14.26  |         |        Q|    V     |          |
   5+10       1.9356     17.21  |         |         | Q    V   |          |
   5+15       2.0720     19.80  |         |         |     Q  V|          |
   5+20       2.2221     21.79  |         |         |        Q|V         |
   5+25       2.3888     24.21  |         |         |         | QV       |
   5+30       2.5837     28.30  |         |         |         |    VQ    |
   5+35       2.7333     21.72  |         |         |       Q |      V   |
   5+40       2.7871      7.81  |         Q         |         |        V|
   5+45       2.8063      2.78  |  Q      |         |         |        V|
   5+50       2.8171      1.58  | Q       |         |         |        V|
   5+55       2.8247      1.11  |Q        |         |         |        V|
   6+ 0       2.8296      0.71  Q         |         |         |        V|
   6+ 5       2.8319      0.33  Q         |         |         |        V|
   6+10       2.8322      0.04  Q         |         |         |        V|
   6+15       2.8322      0.01  Q         |         |         |        V|
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  08/05/24 File: MESAP10C10024100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10C, 100-YR
8/05/24
------------------------------------------------------------------------
Drainage Area =      18.70(Ac.)  =      0.029 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      18.70(Ac.)  =
0.029 Sq. Mi.
Length along longest watercourse =    1208.00(Ft.)
Length along longest watercourse measured to centroid =     601.00(Ft.)
Length along longest watercourse =      0.229 Mi.
Length along longest watercourse measured to centroid =      0.114 Mi.
Difference in elevation =      12.00(Ft.)
Slope along watercourse =     52.4503 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.042 Hr.
Lag time =     2.54 Min.
25% of lag time =     0.64 Min.
40% of lag time =     1.02 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       18.70              2.45                   45.82

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       18.70              6.08                  113.70

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     3.110            92.00          0.900
     1.410            94.00          0.900
     1.210            95.00          0.900
     1.500            68.00          0.200
     7.490            79.00          0.200
     1.620            65.00          0.120
     1.990            77.00          0.120
     0.370            82.00          0.120
 Total Area Entered =     18.70(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020        0.166     0.003
94.0  94.0      0.078     0.900        0.015        0.075     0.001
95.0  95.0      0.065     0.900        0.012        0.065     0.001
68.0  68.0      0.384     0.200        0.315        0.080     0.025
79.0  79.0      0.256     0.200        0.210        0.401     0.084
65.0  65.0      0.416     0.120        0.371        0.087     0.032
77.0  77.0      0.279     0.120        0.249        0.106     0.027
82.0  82.0      0.221     0.120        0.197        0.020     0.004
                                                 Sum (F) =   0.177
Area averaged mean soil loss (F) (In/Hr) =  0.177
Minimum soil loss rate ((In/Hr)) =  0.089
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.590
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                      FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        196.477         41.565             7.833
    2   0.167        392.955         50.348             9.489
    3   0.250        589.432          6.907             1.302
    4   0.333        785.909          1.180             0.222
                              Sum = 100.000   Sum=      18.846
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.07      0.049       (  0.314)       0.029        0.020
  2   0.17     0.07      0.049       (  0.313)       0.029        0.020
  3   0.25     0.07      0.049       (  0.311)       0.029        0.020
  4   0.33     0.10      0.073       (  0.310)       0.043        0.030
  5   0.42     0.10      0.073       (  0.309)       0.043        0.030
```

6	0.50	0.10	0.073	(0.308)	0.043	0.030
7	0.58	0.10	0.073	(0.307)	0.043	0.030
8	0.67	0.10	0.073	(0.305)	0.043	0.030
9	0.75	0.10	0.073	(0.304)	0.043	0.030
10	0.83	0.13	0.097	(0.303)	0.057	0.040
11	0.92	0.13	0.097	(0.302)	0.057	0.040
12	1.00	0.13	0.097	(0.301)	0.057	0.040
13	1.08	0.10	0.073	(0.299)	0.043	0.030
14	1.17	0.10	0.073	(0.298)	0.043	0.030
15	1.25	0.10	0.073	(0.297)	0.043	0.030
16	1.33	0.10	0.073	(0.296)	0.043	0.030
17	1.42	0.10	0.073	(0.295)	0.043	0.030
18	1.50	0.10	0.073	(0.293)	0.043	0.030
19	1.58	0.10	0.073	(0.292)	0.043	0.030
20	1.67	0.10	0.073	(0.291)	0.043	0.030
21	1.75	0.10	0.073	(0.290)	0.043	0.030
22	1.83	0.13	0.097	(0.289)	0.057	0.040
23	1.92	0.13	0.097	(0.288)	0.057	0.040
24	2.00	0.13	0.097	(0.286)	0.057	0.040
25	2.08	0.13	0.097	(0.285)	0.057	0.040
26	2.17	0.13	0.097	(0.284)	0.057	0.040
27	2.25	0.13	0.097	(0.283)	0.057	0.040
28	2.33	0.13	0.097	(0.282)	0.057	0.040
29	2.42	0.13	0.097	(0.281)	0.057	0.040
30	2.50	0.13	0.097	(0.280)	0.057	0.040
31	2.58	0.17	0.122	(0.278)	0.072	0.050
32	2.67	0.17	0.122	(0.277)	0.072	0.050
33	2.75	0.17	0.122	(0.276)	0.072	0.050
34	2.83	0.17	0.122	(0.275)	0.072	0.050
35	2.92	0.17	0.122	(0.274)	0.072	0.050
36	3.00	0.17	0.122	(0.273)	0.072	0.050
37	3.08	0.17	0.122	(0.272)	0.072	0.050
38	3.17	0.17	0.122	(0.270)	0.072	0.050
39	3.25	0.17	0.122	(0.269)	0.072	0.050
40	3.33	0.17	0.122	(0.268)	0.072	0.050
41	3.42	0.17	0.122	(0.267)	0.072	0.050
42	3.50	0.17	0.122	(0.266)	0.072	0.050
43	3.58	0.17	0.122	(0.265)	0.072	0.050
44	3.67	0.17	0.122	(0.264)	0.072	0.050
45	3.75	0.17	0.122	(0.263)	0.072	0.050
46	3.83	0.20	0.146	(0.262)	0.086	0.060
47	3.92	0.20	0.146	(0.260)	0.086	0.060
48	4.00	0.20	0.146	(0.259)	0.086	0.060
49	4.08	0.20	0.146	(0.258)	0.086	0.060
50	4.17	0.20	0.146	(0.257)	0.086	0.060
51	4.25	0.20	0.146	(0.256)	0.086	0.060
52	4.33	0.23	0.170	(0.255)	0.100	0.070
53	4.42	0.23	0.170	(0.254)	0.100	0.070
54	4.50	0.23	0.170	(0.253)	0.100	0.070
55	4.58	0.23	0.170	(0.252)	0.100	0.070
56	4.67	0.23	0.170	(0.251)	0.100	0.070
57	4.75	0.23	0.170	(0.250)	0.100	0.070
58	4.83	0.27	0.195	(0.248)	0.115	0.080
59	4.92	0.27	0.195	(0.247)	0.115	0.080
60	5.00	0.27	0.195	(0.246)	0.115	0.080
61	5.08	0.20	0.146	(0.245)	0.086	0.060
62	5.17	0.20	0.146	(0.244)	0.086	0.060
63	5.25	0.20	0.146	(0.243)	0.086	0.060
64	5.33	0.23	0.170	(0.242)	0.100	0.070
65	5.42	0.23	0.170	(0.241)	0.100	0.070
66	5.50	0.23	0.170	(0.240)	0.100	0.070
67	5.58	0.27	0.195	(0.239)	0.115	0.080
68	5.67	0.27	0.195	(0.238)	0.115	0.080
69	5.75	0.27	0.195	(0.237)	0.115	0.080
70	5.83	0.27	0.195	(0.236)	0.115	0.080
71	5.92	0.27	0.195	(0.235)	0.115	0.080
72	6.00	0.27	0.195	(0.234)	0.115	0.080
73	6.08	0.30	0.219	(0.233)	0.129	0.090
74	6.17	0.30	0.219	(0.232)	0.129	0.090
75	6.25	0.30	0.219	(0.231)	0.129	0.090
76	6.33	0.30	0.219	(0.230)	0.129	0.090
77	6.42	0.30	0.219	(0.229)	0.129	0.090
78	6.50	0.30	0.219	(0.227)	0.129	0.090
79	6.58	0.33	0.243	(0.226)	0.143	0.100
80	6.67	0.33	0.243	(0.225)	0.143	0.100
81	6.75	0.33	0.243	(0.224)	0.143	0.100
82	6.83	0.33	0.243	(0.223)	0.143	0.100
83	6.92	0.33	0.243	(0.222)	0.143	0.100
84	7.00	0.33	0.243	(0.221)	0.143	0.100
85	7.08	0.33	0.243	(0.220)	0.143	0.100
86	7.17	0.33	0.243	(0.219)	0.143	0.100
87	7.25	0.33	0.243	(0.218)	0.143	0.100
88	7.33	0.37	0.268	(0.217)	0.158	0.110
89	7.42	0.37	0.268	(0.216)	0.158	0.110
90	7.50	0.37	0.268	(0.215)	0.158	0.110
91	7.58	0.40	0.292	(0.214)	0.172	0.120
92	7.67	0.40	0.292	(0.213)	0.172	0.120
93	7.75	0.40	0.292	(0.212)	0.172	0.120
94	7.83	0.43	0.316	(0.211)	0.187	0.130
95	7.92	0.43	0.316	(0.210)	0.187	0.130
96	8.00	0.43	0.316	(0.209)	0.187	0.130
97	8.08	0.50	0.365	0.209	(0.215)	0.156
98	8.17	0.50	0.365	0.208	(0.215)	0.157
99	8.25	0.50	0.365	0.207	(0.215)	0.158
100	8.33	0.50	0.365	0.206	(0.215)	0.159
101	8.42	0.50	0.365	0.205	(0.215)	0.160
102	8.50	0.50	0.365	0.204	(0.215)	0.161
103	8.58	0.53	0.389	0.203	(0.230)	0.186
104	8.67	0.53	0.389	0.202	(0.230)	0.187
105	8.75	0.53	0.389	0.201	(0.230)	0.188
106	8.83	0.57	0.413	0.200	(0.244)	0.214
107	8.92	0.57	0.413	0.199	(0.244)	0.214
108	9.00	0.57	0.413	0.198	(0.244)	0.215
109	9.08	0.63	0.462	0.197	(0.273)	0.265
110	9.17	0.63	0.462	0.196	(0.273)	0.266
111	9.25	0.63	0.462	0.195	(0.273)	0.267
112	9.33	0.67	0.486	0.194	(0.287)	0.292
113	9.42	0.67	0.486	0.193	(0.287)	0.293
114	9.50	0.67	0.486	0.192	(0.287)	0.294
115	9.58	0.70	0.511	0.191	(0.301)	0.319
116	9.67	0.70	0.511	0.191	(0.301)	0.320
117	9.75	0.70	0.511	0.190	(0.301)	0.321
118	9.83	0.73	0.535	0.189	(0.316)	0.346
119	9.92	0.73	0.535	0.188	(0.316)	0.347
120	10.00	0.73	0.535	0.187	(0.316)	0.348
121	10.08	0.50	0.365	0.186	(0.215)	0.179
122	10.17	0.50	0.365	0.185	(0.215)	0.180
123	10.25	0.50	0.365	0.184	(0.215)	0.181
124	10.33	0.50	0.365	0.183	(0.215)	0.181
125	10.42	0.50	0.365	0.182	(0.215)	0.182
126	10.50	0.50	0.365	0.182	(0.215)	0.183
127	10.58	0.67	0.486	0.181	(0.287)	0.306
128	10.67	0.67	0.486	0.180	(0.287)	0.307
129	10.75	0.67	0.486	0.179	(0.287)	0.307

130	10.83	0.67	0.486	0.178	(0.287)	0.308
131	10.92	0.67	0.486	0.177	(0.287)	0.309
132	11.00	0.67	0.486	0.176	(0.287)	0.310
133	11.08	0.63	0.462	0.175	(0.273)	0.287
134	11.17	0.63	0.462	0.175	(0.273)	0.288
135	11.25	0.63	0.462	0.174	(0.273)	0.288
136	11.33	0.63	0.462	0.173	(0.273)	0.289
137	11.42	0.63	0.462	0.172	(0.273)	0.290
138	11.50	0.63	0.462	0.171	(0.273)	0.291
139	11.58	0.57	0.413	0.170	(0.244)	0.243
140	11.67	0.57	0.413	0.169	(0.244)	0.244
141	11.75	0.57	0.413	0.169	(0.244)	0.245
142	11.83	0.60	0.438	0.168	(0.258)	0.270
143	11.92	0.60	0.438	0.167	(0.258)	0.271
144	12.00	0.60	0.438	0.166	(0.258)	0.272
145	12.08	0.83	0.608	0.165	(0.359)	0.443
146	12.17	0.83	0.608	0.164	(0.359)	0.444
147	12.25	0.83	0.608	0.164	(0.359)	0.444
148	12.33	0.87	0.632	0.163	(0.373)	0.470
149	12.42	0.87	0.632	0.162	(0.373)	0.470
150	12.50	0.87	0.632	0.161	(0.373)	0.471
151	12.58	0.93	0.681	0.160	(0.402)	0.521
152	12.67	0.93	0.681	0.160	(0.402)	0.521
153	12.75	0.93	0.681	0.159	(0.402)	0.522
154	12.83	0.97	0.705	0.158	(0.416)	0.547
155	12.92	0.97	0.705	0.157	(0.416)	0.548
156	13.00	0.97	0.705	0.156	(0.416)	0.549
157	13.08	1.13	0.827	0.156	(0.488)	0.671
158	13.17	1.13	0.827	0.155	(0.488)	0.672
159	13.25	1.13	0.827	0.154	(0.488)	0.673
160	13.33	1.13	0.827	0.153	(0.488)	0.674
161	13.42	1.13	0.827	0.152	(0.488)	0.674
162	13.50	1.13	0.827	0.152	(0.488)	0.675
163	13.58	0.77	0.559	0.151	(0.330)	0.408
164	13.67	0.77	0.559	0.150	(0.330)	0.409
165	13.75	0.77	0.559	0.149	(0.330)	0.410
166	13.83	0.77	0.559	0.149	(0.330)	0.411
167	13.92	0.77	0.559	0.148	(0.330)	0.412
168	14.00	0.77	0.559	0.147	(0.330)	0.412
169	14.08	0.90	0.657	0.146	(0.387)	0.510
170	14.17	0.90	0.657	0.146	(0.387)	0.511
171	14.25	0.90	0.657	0.145	(0.387)	0.512
172	14.33	0.87	0.632	0.144	(0.373)	0.488
173	14.42	0.87	0.632	0.143	(0.373)	0.489
174	14.50	0.87	0.632	0.143	(0.373)	0.490
175	14.58	0.87	0.632	0.142	(0.373)	0.490
176	14.67	0.87	0.632	0.141	(0.373)	0.491
177	14.75	0.87	0.632	0.140	(0.373)	0.492
178	14.83	0.83	0.608	0.140	(0.359)	0.468
179	14.92	0.83	0.608	0.139	(0.359)	0.469
180	15.00	0.83	0.608	0.138	(0.359)	0.470
181	15.08	0.80	0.584	0.138	(0.344)	0.446
182	15.17	0.80	0.584	0.137	(0.344)	0.447
183	15.25	0.80	0.584	0.136	(0.344)	0.448
184	15.33	0.77	0.559	0.135	(0.330)	0.424
185	15.42	0.77	0.559	0.135	(0.330)	0.425
186	15.50	0.77	0.559	0.134	(0.330)	0.425
187	15.58	0.63	0.462	0.133	(0.273)	0.329
188	15.67	0.63	0.462	0.133	(0.273)	0.329
189	15.75	0.63	0.462	0.132	(0.273)	0.330
190	15.83	0.63	0.462	0.131	(0.273)	0.331
191	15.92	0.63	0.462	0.131	(0.273)	0.331
192	16.00	0.63	0.462	0.130	(0.273)	0.332
193	16.08	0.13	0.097	(0.129)	0.057	0.040
194	16.17	0.13	0.097	(0.129)	0.057	0.040
195	16.25	0.13	0.097	(0.128)	0.057	0.040
196	16.33	0.13	0.097	(0.127)	0.057	0.040
197	16.42	0.13	0.097	(0.127)	0.057	0.040
198	16.50	0.13	0.097	(0.126)	0.057	0.040
199	16.58	0.10	0.073	(0.125)	0.043	0.030
200	16.67	0.10	0.073	(0.125)	0.043	0.030
201	16.75	0.10	0.073	(0.124)	0.043	0.030
202	16.83	0.10	0.073	(0.124)	0.043	0.030
203	16.92	0.10	0.073	(0.123)	0.043	0.030
204	17.00	0.10	0.073	(0.122)	0.043	0.030
205	17.08	0.17	0.122	(0.122)	0.072	0.050
206	17.17	0.17	0.122	(0.121)	0.072	0.050
207	17.25	0.17	0.122	(0.120)	0.072	0.050
208	17.33	0.17	0.122	(0.120)	0.072	0.050
209	17.42	0.17	0.122	(0.119)	0.072	0.050
210	17.50	0.17	0.122	(0.119)	0.072	0.050
211	17.58	0.17	0.122	(0.118)	0.072	0.050
212	17.67	0.17	0.122	(0.117)	0.072	0.050
213	17.75	0.17	0.122	(0.117)	0.072	0.050
214	17.83	0.13	0.097	(0.116)	0.057	0.040
215	17.92	0.13	0.097	(0.116)	0.057	0.040
216	18.00	0.13	0.097	(0.115)	0.057	0.040
217	18.08	0.13	0.097	(0.115)	0.057	0.040
218	18.17	0.13	0.097	(0.114)	0.057	0.040
219	18.25	0.13	0.097	(0.113)	0.057	0.040
220	18.33	0.13	0.097	(0.113)	0.057	0.040
221	18.42	0.13	0.097	(0.112)	0.057	0.040
222	18.50	0.13	0.097	(0.112)	0.057	0.040
223	18.58	0.10	0.073	(0.111)	0.043	0.030
224	18.67	0.10	0.073	(0.111)	0.043	0.030
225	18.75	0.10	0.073	(0.110)	0.043	0.030
226	18.83	0.07	0.049	(0.110)	0.029	0.020
227	18.92	0.07	0.049	(0.109)	0.029	0.020
228	19.00	0.07	0.049	(0.109)	0.029	0.020
229	19.08	0.10	0.073	(0.108)	0.043	0.030
230	19.17	0.10	0.073	(0.108)	0.043	0.030
231	19.25	0.10	0.073	(0.107)	0.043	0.030
232	19.33	0.13	0.097	(0.107)	0.057	0.040
233	19.42	0.13	0.097	(0.106)	0.057	0.040
234	19.50	0.13	0.097	(0.106)	0.057	0.040
235	19.58	0.10	0.073	(0.105)	0.043	0.030
236	19.67	0.10	0.073	(0.105)	0.043	0.030
237	19.75	0.10	0.073	(0.104)	0.043	0.030
238	19.83	0.07	0.049	(0.104)	0.029	0.020
239	19.92	0.07	0.049	(0.103)	0.029	0.020
240	20.00	0.07	0.049	(0.103)	0.029	0.020
241	20.08	0.10	0.073	(0.102)	0.043	0.030
242	20.17	0.10	0.073	(0.102)	0.043	0.030
243	20.25	0.10	0.073	(0.101)	0.043	0.030
244	20.33	0.10	0.073	(0.101)	0.043	0.030
245	20.42	0.10	0.073	(0.101)	0.043	0.030
246	20.50	0.10	0.073	(0.100)	0.043	0.030
247	20.58	0.10	0.073	(0.100)	0.043	0.030
248	20.67	0.10	0.073	(0.099)	0.043	0.030
249	20.75	0.10	0.073	(0.099)	0.043	0.030
250	20.83	0.07	0.049	(0.098)	0.029	0.020
251	20.92	0.07	0.049	(0.098)	0.029	0.020
252	21.00	0.07	0.049	(0.098)	0.029	0.020
253	21.08	0.10	0.073	(0.097)	0.043	0.030

254	21.17	0.10	0.073	(0.097)	0.043	0.030
255	21.25	0.10	0.073	(0.097)	0.043	0.030
256	21.33	0.07	0.049	(0.096)	0.029	0.020
257	21.42	0.07	0.049	(0.096)	0.029	0.020
258	21.50	0.07	0.049	(0.095)	0.029	0.020
259	21.58	0.10	0.073	(0.095)	0.043	0.030
260	21.67	0.10	0.073	(0.095)	0.043	0.030
261	21.75	0.10	0.073	(0.094)	0.043	0.030
262	21.83	0.07	0.049	(0.094)	0.029	0.020
263	21.92	0.07	0.049	(0.094)	0.029	0.020
264	22.00	0.07	0.049	(0.093)	0.029	0.020
265	22.08	0.10	0.073	(0.093)	0.043	0.030
266	22.17	0.10	0.073	(0.093)	0.043	0.030
267	22.25	0.10	0.073	(0.093)	0.043	0.030
268	22.33	0.07	0.049	(0.092)	0.029	0.020
269	22.42	0.07	0.049	(0.092)	0.029	0.020
270	22.50	0.07	0.049	(0.092)	0.029	0.020
271	22.58	0.07	0.049	(0.091)	0.029	0.020
272	22.67	0.07	0.049	(0.091)	0.029	0.020
273	22.75	0.07	0.049	(0.091)	0.029	0.020
274	22.83	0.07	0.049	(0.091)	0.029	0.020
275	22.92	0.07	0.049	(0.090)	0.029	0.020
276	23.00	0.07	0.049	(0.090)	0.029	0.020
277	23.08	0.07	0.049	(0.090)	0.029	0.020
278	23.17	0.07	0.049	(0.090)	0.029	0.020
279	23.25	0.07	0.049	(0.090)	0.029	0.020
280	23.33	0.07	0.049	(0.089)	0.029	0.020
281	23.42	0.07	0.049	(0.089)	0.029	0.020
282	23.50	0.07	0.049	(0.089)	0.029	0.020
283	23.58	0.07	0.049	(0.089)	0.029	0.020
284	23.67	0.07	0.049	(0.089)	0.029	0.020
285	23.75	0.07	0.049	(0.089)	0.029	0.020
286	23.83	0.07	0.049	(0.089)	0.029	0.020
287	23.92	0.07	0.049	(0.089)	0.029	0.020
288	24.00	0.07	0.049	(0.089)	0.029	0.020

(Loss Rate Not Used)

Sum = 100.0 Sum = 44.0

Flood volume = Effective rainfall 3.67(In)
times area 18.7(Ac.)/[(In)/(Ft.)] = 5.7(Ac.Ft)
Total soil loss = 2.41(In)
Total soil loss = 3.763(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 248784.8 Cubic Feet
Total soil loss = 163916.7 Cubic Feet

Peak flow rate of this hydrograph = 12.722(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0011	0.16	Q				
0+10	0.0035	0.35	Q				
0+15	0.0060	0.37	Q				
0+20	0.0091	0.45	Q				
0+25	0.0129	0.55	VQ				
0+30	0.0168	0.56	VQ				
0+35	0.0207	0.56	VQ				
0+40	0.0246	0.56	VQ				
0+45	0.0284	0.56	VQ				
0+50	0.0329	0.64	VQ				
0+55	0.0379	0.74	VQ				
1+ 0	0.0431	0.75	VQ				
1+ 5	0.0477	0.67	VQ				
1+10	0.0517	0.58	VQ				
1+15	0.0556	0.57	VQ				
1+20	0.0595	0.56	VQ				
1+25	0.0634	0.56	VQ				
1+30	0.0673	0.56	VQ				
1+35	0.0712	0.56	VQ				
1+40	0.0751	0.56	VQ				
1+45	0.0789	0.56	VQ				
1+50	0.0834	0.64	VQ				
1+55	0.0884	0.74	VQ				
2+ 0	0.0936	0.75	VQ				
2+ 5	0.0988	0.75	VQ				
2+10	0.1040	0.75	VQ				
2+15	0.1091	0.75	VQ				
2+20	0.1143	0.75	VQ				
2+25	0.1195	0.75	VQ				
2+30	0.1247	0.75	VQ				
2+35	0.1304	0.83	VQ				
2+40	0.1368	0.92	VQ				
2+45	0.1432	0.94	|Q				
2+50	0.1497	0.94	|Q				
2+55	0.1562	0.94	|Q				
3+ 0	0.1626	0.94	|Q				
3+ 5	0.1691	0.94	|Q				
3+10	0.1756	0.94	|Q				
3+15	0.1821	0.94	|Q				
3+20	0.1885	0.94	|Q				
3+25	0.1950	0.94	|Q				
3+30	0.2015	0.94	|Q				
3+35	0.2080	0.94	|Q				
3+40	0.2144	0.94	|Q				
3+45	0.2209	0.94	|Q				
3+50	0.2279	1.02	|VQ				
3+55	0.2356	1.11	|VQ				
4+ 0	0.2433	1.13	|VQ				
4+ 5	0.2511	1.13	|VQ				
4+10	0.2589	1.13	|VQ				
4+15	0.2667	1.13	|VQ				
4+20	0.2750	1.21	|VQ				
4+25	0.2839	1.30	|VQ				
4+30	0.2930	1.31	| Q				
4+35	0.3020	1.32	| Q				
4+40	0.3111	1.32	| Q				
4+45	0.3202	1.32	| Q				
4+50	0.3298	1.39	| Q				
4+55	0.3400	1.49	| Q				
5+ 0	0.3504	1.50	| VQ				
5+ 5	0.3596	1.35	| Q				
5+10	0.3676	1.16	| Q				
5+15	0.3754	1.13	| Q				
5+20	0.3837	1.21	| Q				
5+25	0.3927	1.30	| Q				
5+30	0.4017	1.31	| Q				
5+35	0.4113	1.39	| Q				
5+40	0.4216	1.49	| Q				

5+45	0.4319	1.50	| Q |	|	|	|	|	10+55	1.8677	5.82	|	|Q V |	|	|	|
5+50	0.4423	1.50	| Q |	|	|	|	|	11+ 0	1.9079	5.84	|	|Q V |	|	|	|
5+55	0.4526	1.50	| Q |	|	|	|	|	11+ 5	1.9469	5.66	|	|Q V |	|	|	|
6+ 0	0.4630	1.50	| Q |	|	|	|	|	11+10	1.9844	5.45	|	Q V |	|	|	|
6+ 5	0.4739	1.58	| Q |	|	|	|	|	11+15	2.0218	5.43	|	Q V |	|	|	|
6+10	0.4855	1.68	| Q |	|	|	|	|	11+20	2.0593	5.44	|	Q V |	|	|	|
6+15	0.4971	1.69	| Q |	|	|	|	|	11+25	2.0969	5.46	|	Q V |	|	|	|
6+20	0.5087	1.69	| Q |	|	|	|	|	11+30	2.1346	5.48	|	Q V |	|	|	|
6+25	0.5204	1.69	| Q |	|	|	|	|	11+35	2.1698	5.11	|	Q V |	|	|	|
6+30	0.5321	1.69	| Q |	|	|	|	|	11+40	2.2019	4.66	|	Q| V |	|	|	|
6+35	0.5442	1.77	| Q |	|	|	|	|	11+45	2.2337	4.62	|	Q| V |	|	|	|
6+40	0.5571	1.86	| Q |	|	|	|	|	11+50	2.2669	4.81	|	Q| V |	|	|	|
6+45	0.5700	1.88	| Q |	|	|	|	|	11+55	2.3017	5.06	|	Q V |	|	|	|
6+50	0.5830	1.88	| QV |	|	|	|	|	12+ 0	2.3369	5.11	|	Q V |	|	|	|
6+55	0.5959	1.88	| QV |	|	|	|	|	12+ 5	2.3814	6.46	|	| Q V |	|	|	|
7+ 0	0.6089	1.88	| QV |	|	|	|	|	12+10	2.4371	8.09	|	| QV |	|	|	|
7+ 5	0.6218	1.88	| QV |	|	|	|	|	12+15	2.4945	8.33	|	| QV |	|	|	|
7+10	0.6348	1.88	| QV |	|	|	|	|	12+20	2.5535	8.57	|	| Q |	|	|	|
7+15	0.6477	1.88	| QV |	|	|	|	|	12+25	2.6143	8.82	|	| QV |	|	|	|
7+20	0.6612	1.96	| QV |	|	|	|	|	12+30	2.6754	8.87	|	| QV |	|	|	|
7+25	0.6753	2.05	| Q |	|	|	|	|	12+35	2.7392	9.27	|	| QV|	|	|	|
7+30	0.6896	2.07	| Q |	|	|	|	|	12+40	2.8063	9.75	|	| Q|	|	|	|
7+35	0.7043	2.15	| Q |	|	|	|	|	12+45	2.8740	9.83	|	| QV |	|	|	|
7+40	0.7198	2.24	| QV |	|	|	|	|	12+50	2.9432	10.04	|	| Q |	|	|	|
7+45	0.7353	2.25	| QV |	|	|	|	|	12+55	3.0140	10.29	|	| QV |	|	|	|
7+50	0.7514	2.33	| QV |	|	|	|	|	13+ 0	3.0852	10.34	|	| QV |	|	|	|
7+55	0.7681	2.43	| QV |	|	|	|	|	13+ 5	3.1631	11.31	|	| | Q |	|	|	|
8+ 0	0.7849	2.44	| QV |	|	|	|	|	13+10	3.2490	12.48	|	| | V Q |	|	|	|
8+ 5	0.8032	2.65	| Q |	|	|	|	|	13+15	3.3362	12.65	|	| | V Q |	|	|	|
8+10	0.8233	2.91	| Q |	|	|	|	|	13+20	3.4236	12.69	|	| | V Q |	|	|	|
8+15	0.8437	2.96	| Q |	|	|	|	|	13+25	3.5111	12.71	|	| | VQ |	|	|	|
8+20	0.8643	2.99	| QV |	|	|	|	|	13+30	3.5987	12.72	|	| | Q |	|	|	|
8+25	0.8850	3.01	| Q |	|	|	|	|	13+35	3.6720	10.64	|	| |Q V |	|	|	|
8+30	0.9058	3.03	| Q |	|	|	|	|	13+40	3.7279	8.11	|	| Q | V |	|	|	|
8+35	0.9281	3.23	| Q |	|	|	|	|	13+45	3.7815	7.78	|	| Q | V |	|	|	|
8+40	0.9521	3.48	| Q |	|	|	|	|	13+50	3.8347	7.74	|	| Q | V |	|	|	|
8+45	0.9764	3.53	| VQ |	|	|	|	|	13+55	3.8881	7.75	|	| Q | V |	|	|	|
8+50	1.0022	3.75	| Q |	|	|	|	|	14+ 0	3.9416	7.76	|	| Q | V |	|	|	|
8+55	1.0297	3.99	| Q |	|	|	|	|	14+ 5	4.0004	8.54	|	| Q | V |	|	|	|
9+ 0	1.0576	4.04	| VQ |	|	|	|	|	14+10	4.0657	9.48	|	| Q | V |	|	|	|
9+ 5	1.0882	4.45	| VQ |	|	|	|	|	14+15	4.1319	9.62	|	| Q| V |	|	|	|
9+10	1.1221	4.93	| V Q|	|	|	|	|	14+20	4.1971	9.46	|	| Q | V|	|	|	|
9+15	1.1566	5.01	| V Q |	|	|	|	|	14+25	4.2608	9.25	|	| Q | V|	|	|	|
9+20	1.1926	5.23	| V Q |	|	|	|	|	14+30	4.3244	9.23	|	| Q | V |	|	|	|
9+25	1.2304	5.48	| V Q |	|	|	|	|	14+35	4.3880	9.24	|	| Q | V |	|	|	|
9+30	1.2684	5.53	| V |Q |	|	|	|	|	14+40	4.4517	9.25	|	| Q | |V |	|	|	|
9+35	1.3079	5.74	| V|Q |	|	|	|	|	14+45	4.5155	9.27	|	| Q | |V |	|	|	|
9+40	1.3492	5.99	| V|Q |	|	|	|	|	14+50	4.5781	9.09	|	| Q | | V |	|	|	|
9+45	1.3907	6.04	| V| Q |	|	|	|	|	14+55	4.6392	8.87	|	| Q | | V |	|	|	|
9+50	1.4338	6.25	| V Q |	|	|	|	|	15+ 0	4.7002	8.85	|	| Q | | V |	|	|	|
9+55	1.4785	6.50	| V Q |	|	|	|	|	15+ 5	4.7599	8.67	|	| Q | | V |	|	|	|
10+ 0	1.5236	6.55	| V Q |	|	|	|	|	15+10	4.8181	8.45	|	| Q | | V |	|	|	|
10+ 5	1.5597	5.23	| Q |	|	|	|	|	15+15	4.8762	8.43	|	| Q | | V |	|	|	|
10+10	1.5847	3.64	| Q |V |	|	|	|	|	15+20	4.9331	8.25	|	| Q | | V |	|	|	|
10+15	1.6083	3.43	| Q |V |	|	|	|	|	15+25	4.9884	8.03	|	| Q | | V |	|	|	|
10+20	1.6318	3.41	| Q |V |	|	|	|	|	15+30	5.0436	8.02	|	| Q | | V |	|	|	|
10+25	1.6554	3.43	| Q |V |	|	|	|	|	15+35	5.0936	7.26	|	| Q | | V |	|	|	|
10+30	1.6791	3.44	| Q |V |	|	|	|	|	15+40	5.1373	6.35	|	| Q | | V |	|	|	|
10+35	1.7095	4.41	| Q |V |	|	|	|	|	15+45	5.1803	6.24	|	| Q | | V |	|	|	|
10+40	1.7480	5.58	| |QV |	|	|	|	|	15+50	5.2232	6.23	|	| Q | | V |	|	|	|
10+45	1.7877	5.76	| |QV |	|	|	|	|	15+55	5.2662	6.24	|	| Q | | V |	|	|	|
10+50	1.8276	5.80	| |QV |	|	|	|	|	16+ 0	5.3092	6.25	|	| Q | | V |	|	|	|

16+ 5	5.3366	3.97		Q			V
16+10	5.3448	1.20		Q			V
16+15	5.3504	0.82		Q			V
16+20	5.3556	0.75		Q			V
16+25	5.3608	0.75		Q			V
16+30	5.3660	0.75		Q			V
16+35	5.3706	0.67		Q			V
16+40	5.3746	0.58		Q			V
16+45	5.3785	0.57		Q			V
16+50	5.3824	0.56		Q			V
16+55	5.3863	0.56		Q			V
17+ 0	5.3902	0.56		Q			V
17+ 5	5.3951	0.72		Q			V
17+10	5.4014	0.91		Q			V
17+15	5.4078	0.94		Q			V
17+20	5.4143	0.94		Q			V
17+25	5.4208	0.94		Q			V
17+30	5.4272	0.94		Q			V
17+35	5.4337	0.94		Q			V
17+40	5.4402	0.94		Q			V
17+45	5.4467	0.94		Q			V
17+50	5.4526	0.86		Q			V
17+55	5.4579	0.77		Q			V
18+ 0	5.4631	0.75		Q			V
18+ 5	5.4683	0.75		Q			V
18+10	5.4734	0.75		Q			V
18+15	5.4786	0.75		Q			V
18+20	5.4838	0.75		Q			V
18+25	5.4890	0.75		Q			V
18+30	5.4942	0.75		Q			V
18+35	5.4988	0.67		Q			V
18+40	5.5028	0.58		Q			V
18+45	5.5067	0.57		Q			V
18+50	5.5100	0.49		Q			V
18+55	5.5127	0.39		Q			V
19+ 0	5.5153	0.38		Q			V
19+ 5	5.5185	0.45		Q			V
19+10	5.5222	0.55		Q			V
19+15	5.5261	0.56		Q			V
19+20	5.5305	0.64		Q			V
19+25	5.5356	0.74		Q			V
19+30	5.5408	0.75		Q			V
19+35	5.5454	0.67		Q			V
19+40	5.5494	0.58		Q			V
19+45	5.5533	0.57		Q			V
19+50	5.5566	0.49		Q			V
19+55	5.5593	0.39		Q			V
20+ 0	5.5619	0.38		Q			V
20+ 5	5.5651	0.45		Q			V
20+10	5.5689	0.55		Q			V
20+15	5.5727	0.56		Q			V
20+20	5.5766	0.56		Q			V
20+25	5.5805	0.56		Q			V
20+30	5.5844	0.56		Q			V
20+35	5.5883	0.56		Q			V
20+40	5.5921	0.56		Q			V
20+45	5.5960	0.56		Q			V
20+50	5.5994	0.49		Q			V
20+55	5.6021	0.39		Q			V
21+ 0	5.6047	0.38		Q			V
21+ 5	5.6078	0.45		Q			V
21+10	5.6116	0.55		Q			V
21+15	5.6155	0.56		Q			V
21+20	5.6188	0.49		Q			V
21+25	5.6215	0.39		Q			V
21+30	5.6241	0.38		Q			V
21+35	5.6272	0.45		Q			V
21+40	5.6310	0.55		Q			V
21+45	5.6349	0.56		Q			V
21+50	5.6382	0.49		Q			V
21+55	5.6409	0.39		Q			V
22+ 0	5.6435	0.38		Q			V
22+ 5	5.6467	0.45		Q			V
22+10	5.6504	0.55		Q			V
22+15	5.6543	0.56		Q			V
22+20	5.6576	0.49		Q			V
22+25	5.6603	0.39		Q			V
22+30	5.6629	0.38		Q			V
22+35	5.6655	0.38		Q			V
22+40	5.6681	0.38		Q			V
22+45	5.6707	0.38		Q			V
22+50	5.6733	0.38		Q			V
22+55	5.6759	0.38		Q			V
23+ 0	5.6785	0.38		Q			V
23+ 5	5.6811	0.38		Q			V
23+10	5.6837	0.38		Q			V
23+15	5.6863	0.38		Q			V
23+20	5.6888	0.38		Q			V
23+25	5.6914	0.38		Q			V
23+30	5.6940	0.38		Q			V
23+35	5.6966	0.38		Q			V
23+40	5.6992	0.38		Q			V
23+45	5.7018	0.38		Q			V
23+50	5.7044	0.38		Q			V
23+55	5.7070	0.38		Q			V
24+ 0	5.7096	0.38		Q			V
24+ 5	5.7111	0.22		Q			V
24+10	5.7113	0.03		Q			V
24+15	5.7113	0.00		Q			V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/05/24 File: MESAP10D1003100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10D, 100-YR
8/05/24

Drainage Area = 30.06(Ac.) = 0.047 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 30.06(Ac.) = 0.047 Sq. Mi.
Length along longest watercourse = 2980.00(Ft.)
Length along longest watercourse measured to centroid = 851.00(Ft.)
Length along longest watercourse = 0.564 Mi.
Length along longest watercourse measured to centroid = 0.161 Mi.
Difference in elevation = 109.00(Ft.)
Slope along watercourse = 193.1275 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.053 Hr.
Lag time = 3.20 Min.
25% of lag time = 0.80 Min.
40% of lag time = 1.28 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
30.06	0.94	28.26

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
30.06	1.97	59.22

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.940(In)
Area Averaged 100-Year Rainfall = 1.970(In)

Point rain (area averaged) = 1.970(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.970(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
12.250	92.00	0.900
12.930	94.00	0.900
2.230	65.00	0.120
2.650	77.00	0.120

Total Area Entered = 30.06(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
92.0	92.0	0.104	0.900	0.020	0.408	0.008
94.0	94.0	0.078	0.900	0.015	0.430	0.006
65.0	65.0	0.416	0.120	0.371	0.074	0.028
77.0	77.0	0.279	0.120	0.249	0.088	0.022
					Sum (F) =	0.064

Area averaged mean soil loss (F) (In/Hr) = 0.064
Minimum soil loss rate ((In/Hr)) = 0.032
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.280

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	156.478	32.290	9.782
2	0.167	312.956	53.830	16.308
3	0.250	469.434	11.094	3.361
4	0.333	625.912	2.088	0.633
5	0.417	782.390	0.698	0.211
		Sum = 100.000	Sum=	30.295

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.307	0.064	(0.086)	0.243
2	0.17	1.30	0.307	0.064	(0.086)	0.243
3	0.25	1.10	0.260	0.064	(0.073)	0.196
4	0.33	1.50	0.355	0.064	(0.099)	0.291
5	0.42	1.50	0.355	0.064	(0.099)	0.291
6	0.50	1.80	0.425	0.064	(0.119)	0.362
7	0.58	1.50	0.355	0.064	(0.099)	0.291
8	0.67	1.80	0.425	0.064	(0.119)	0.362
9	0.75	1.80	0.425	0.064	(0.119)	0.362
10	0.83	1.50	0.355	0.064	(0.099)	0.291
11	0.92	1.60	0.378	0.064	(0.106)	0.314
12	1.00	1.80	0.425	0.064	(0.119)	0.362

13	1.08	2.20	0.520	0.064	(0.146)	0.456
14	1.17	2.20	0.520	0.064	(0.146)	0.456
15	1.25	2.20	0.520	0.064	(0.146)	0.456
16	1.33	2.00	0.473	0.064	(0.132)	0.409
17	1.42	2.60	0.615	0.064	(0.172)	0.551
18	1.50	2.70	0.638	0.064	(0.179)	0.574
19	1.58	2.40	0.567	0.064	(0.159)	0.503
20	1.67	2.70	0.638	0.064	(0.179)	0.574
21	1.75	3.30	0.780	0.064	(0.218)	0.716
22	1.83	3.10	0.733	0.064	(0.205)	0.669
23	1.92	2.90	0.685	0.064	(0.192)	0.622
24	2.00	3.00	0.709	0.064	(0.199)	0.645
25	2.08	3.10	0.733	0.064	(0.205)	0.669
26	2.17	4.20	0.993	0.064	(0.278)	0.929
27	2.25	5.00	1.182	0.064	(0.331)	1.118
28	2.33	3.50	0.827	0.064	(0.232)	0.763
29	2.42	6.80	1.607	0.064	(0.450)	1.543
30	2.50	7.30	1.725	0.064	(0.483)	1.662
31	2.58	8.20	1.938	0.064	(0.543)	1.874
32	2.67	5.90	1.395	0.064	(0.390)	1.331
33	2.75	2.00	0.473	0.064	(0.132)	0.409
34	2.83	1.80	0.425	0.064	(0.119)	0.362
35	2.92	1.80	0.425	0.064	(0.119)	0.362
36	3.00	0.60	0.142	(0.064)	0.040	0.102

(Loss Rate Not Used)

Sum = 100.0 Sum = 21.4

Flood volume = Effective rainfall 1.78(In)
times area 30.1(Ac.)/[(In)/(Ft.)] = 4.5(Ac.Ft)
Total soil loss = 0.19(In)
Total soil loss = 0.475(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 194227.6 Cubic Feet
Total soil loss = 20706.2 Cubic Feet

Peak flow rate of this hydrograph = 51.364(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	15.0	30.0	45.0	60.0
0+ 5	0.0164	2.38	VQ				
0+10	0.0602	6.35	V Q				
0+15	0.1064	6.71	V Q				
0+20	0.1547	7.02	V Q				
0+25	0.2129	8.45	V Q				
0+30	0.2778	9.43	V Q				
0+35	0.3463	9.95	V Q				
0+40	0.4134	9.74	V Q				
0+45	0.4872	10.70	V Q				
0+50	0.5575	10.22	VQ				
0+55	0.6218	9.32	VQ				
1+ 0	0.6903	9.95	Q				
1+ 5	0.7707	11.68	VQ				
1+10	0.8629	13.38	VQ				
1+15	0.9575	13.73	VQ				
1+20	1.0493	13.34	QV				
1+25	1.1456	13.98	QV				
1+30	1.2583	16.36	QV				
1+35	1.3720	16.50	QV				
1+40	1.4835	16.20	Q V				
1+45	1.6113	18.55	Q V				
1+50	1.7532	20.60	Q V				
1+55	1.8901	19.87	Q V				
2+ 0	2.0228	19.28	Q V				
2+ 5	2.1588	19.74	Q V				
2+10	2.3152	22.71	Q V				
2+15	2.5141	28.89	Q V				
2+20	2.7165	29.39	Q V				
2+25	2.9373	32.05	Q V				
2+30	3.2466	44.92	Q				
2+35	3.6003	51.36	V Q				
2+40	3.9470	50.33	Q V				
2+45	4.1769	33.39	Q V				
2+50	4.2887	16.22	Q V				
2+55	4.3716	12.05	Q V				
3+ 0	4.4312	8.65	Q V				
3+ 5	4.4533	3.20	Q V				
3+10	4.4577	0.65	Q V				
3+15	4.4587	0.14	Q V				
3+20	4.4589	0.02	Q V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/05/24 File: MESAP10D1006100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10D, 100-YR
8/05/24

Drainage Area = 30.06(Ac.) = 0.047 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 30.06(Ac.) = 0.047 Sq. Mi.
Length along longest watercourse = 2980.00(Ft.)
Length along longest watercourse measured to centroid = 851.00(Ft.)
Length along longest watercourse = 0.564 Mi.
Length along longest watercourse measured to centroid = 0.161 Mi.
Difference in elevation = 109.00(Ft.)
Slope along watercourse = 193.1275 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.053 Hr.
Lag time = 3.20 Min.
25% of lag time = 0.80 Min.
40% of lag time = 1.28 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
30.06	1.35	40.58

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
30.06	2.78	83.57

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.780(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
12.250	92.00	0.900
12.930	94.00	0.900
2.230	65.00	0.120
2.650	77.00	0.120

Total Area Entered = 30.06(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
92.0	92.0	0.104	0.900	0.020	0.408	0.008
94.0	94.0	0.078	0.900	0.015	0.430	0.006
65.0	65.0	0.416	0.120	0.371	0.074	0.028
77.0	77.0	0.279	0.120	0.249	0.088	0.022
					Sum (F) =	0.064

Area averaged mean soil loss (F) (In/Hr) = 0.064
Minimum soil loss rate ((In/Hr)) = 0.032
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.280

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	156.478	32.290	9.782
2	0.167	312.956	53.830	16.308
3	0.250	469.434	11.094	3.361
4	0.333	625.912	2.088	0.633
5	0.417	782.390	0.698	0.211
		Sum = 100.000	Sum=	30.295

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.064)	0.047	0.120
2	0.17	0.60	0.200	(0.064)	0.056	0.144
3	0.25	0.60	0.200	(0.064)	0.056	0.144
4	0.33	0.60	0.200	(0.064)	0.056	0.144
5	0.42	0.60	0.200	(0.064)	0.056	0.144
6	0.50	0.70	0.233	0.064	(0.065)	0.170
7	0.58	0.70	0.233	0.064	(0.065)	0.170
8	0.67	0.70	0.233	0.064	(0.065)	0.170
9	0.75	0.70	0.233	0.064	(0.065)	0.170
10	0.83	0.70	0.233	0.064	(0.065)	0.170
11	0.92	0.70	0.233	0.064	(0.065)	0.170
12	1.00	0.80	0.267	0.064	(0.075)	0.203

13	1.08	0.80	0.267	0.064	(0.075)	0.203
14	1.17	0.80	0.267	0.064	(0.075)	0.203
15	1.25	0.80	0.267	0.064	(0.075)	0.203
16	1.33	0.80	0.267	0.064	(0.075)	0.203
17	1.42	0.80	0.267	0.064	(0.075)	0.203
18	1.50	0.80	0.267	0.064	(0.075)	0.203
19	1.58	0.80	0.267	0.064	(0.075)	0.203
20	1.67	0.80	0.267	0.064	(0.075)	0.203
21	1.75	0.80	0.267	0.064	(0.075)	0.203
22	1.83	0.80	0.267	0.064	(0.075)	0.203
23	1.92	0.80	0.267	0.064	(0.075)	0.203
24	2.00	0.90	0.300	0.064	(0.084)	0.236
25	2.08	0.80	0.267	0.064	(0.075)	0.203
26	2.17	0.90	0.300	0.064	(0.084)	0.236
27	2.25	0.90	0.300	0.064	(0.084)	0.236
28	2.33	0.90	0.300	0.064	(0.084)	0.236
29	2.42	0.90	0.300	0.064	(0.084)	0.236
30	2.50	0.90	0.300	0.064	(0.084)	0.236
31	2.58	0.90	0.300	0.064	(0.084)	0.236
32	2.67	0.90	0.300	0.064	(0.084)	0.236
33	2.75	1.00	0.334	0.064	(0.093)	0.270
34	2.83	1.00	0.334	0.064	(0.093)	0.270
35	2.92	1.00	0.334	0.064	(0.093)	0.270
36	3.00	1.00	0.334	0.064	(0.093)	0.270
37	3.08	1.00	0.334	0.064	(0.093)	0.270
38	3.17	1.10	0.367	0.064	(0.103)	0.303
39	3.25	1.10	0.367	0.064	(0.103)	0.303
40	3.33	1.10	0.367	0.064	(0.103)	0.303
41	3.42	1.20	0.400	0.064	(0.112)	0.336
42	3.50	1.30	0.434	0.064	(0.121)	0.370
43	3.58	1.40	0.467	0.064	(0.131)	0.403
44	3.67	1.40	0.467	0.064	(0.131)	0.403
45	3.75	1.50	0.500	0.064	(0.140)	0.436
46	3.83	1.50	0.500	0.064	(0.140)	0.436
47	3.92	1.60	0.534	0.064	(0.149)	0.470
48	4.00	1.60	0.534	0.064	(0.149)	0.470
49	4.08	1.70	0.567	0.064	(0.159)	0.503
50	4.17	1.80	0.600	0.064	(0.168)	0.536
51	4.25	1.90	0.634	0.064	(0.177)	0.570
52	4.33	2.00	0.667	0.064	(0.187)	0.603
53	4.42	2.10	0.700	0.064	(0.196)	0.637
54	4.50	2.10	0.700	0.064	(0.196)	0.637
55	4.58	2.20	0.734	0.064	(0.205)	0.670
56	4.67	2.30	0.767	0.064	(0.215)	0.703
57	4.75	2.40	0.801	0.064	(0.224)	0.737
58	4.83	2.40	0.801	0.064	(0.224)	0.737
59	4.92	2.50	0.834	0.064	(0.233)	0.770
60	5.00	2.60	0.867	0.064	(0.243)	0.803
61	5.08	3.10	1.034	0.064	(0.290)	0.970
62	5.17	3.60	1.201	0.064	(0.336)	1.137
63	5.25	3.90	1.301	0.064	(0.364)	1.237
64	5.33	4.20	1.401	0.064	(0.392)	1.337
65	5.42	4.70	1.568	0.064	(0.439)	1.504
66	5.50	5.60	1.868	0.064	(0.523)	1.804
67	5.58	1.90	0.634	0.064	(0.177)	0.570
68	5.67	0.90	0.300	0.064	(0.084)	0.236
69	5.75	0.60	0.200	(0.064)	0.056	0.144
70	5.83	0.50	0.167	(0.064)	0.047	0.120
71	5.92	0.30	0.100	(0.064)	0.028	0.072
72	6.00	0.20	0.067	(0.064)	0.019	0.048
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	28.9

```
      Flood volume = Effective rainfall      2.41(In)
       times area      30.1(Ac.)/[(In)/(Ft.)] =       6.0(Ac.Ft)
      Total soil loss =      0.37(In)
      Total soil loss =     0.928(Ac.Ft)
      Total rainfall =      2.78(In)
      Flood volume =      262873.1 Cubic Feet
      Total soil loss =       40443.0 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     47.713(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          6 - H O U R    S T O R M
                     R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
```

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0081	1.18	Q	|	|	|	|
0+10	0.0313	3.37	V Q	|	|	|	|
0+15	0.0600	4.17	V Q	|	|	|	|
0+20	0.0898	4.32	V Q	|	|	|	|
0+25	0.1198	4.36	V Q	|	|	|	|
0+30	0.1516	4.62	|V Q	|	|	|	|
0+35	0.1863	5.03	|V Q	|	|	|	|
0+40	0.2215	5.12	|V Q	|	|	|	|
0+45	0.2569	5.13	|V Q	|	|	|	|
0+50	0.2923	5.14	|V Q	|	|	|	|
0+55	0.3277	5.14	| V Q	|	|	|	|
1+ 0	0.3653	5.47	| V Q	|	|	|	|
1+ 5	0.4067	6.01	| V Q	|	|	|	|
1+10	0.4489	6.12	| V Q	|	|	|	|
1+15	0.4912	6.14	| VQ	|	|	|	|
1+20	0.5335	6.15	| VQ	|	|	|	|
1+25	0.5759	6.15	| VQ	|	|	|	|
1+30	0.6183	6.15	| Q	|	|	|	|
1+35	0.6606	6.15	| Q	|	|	|	|
1+40	0.7030	6.15	| Q	|	|	|	|
1+45	0.7453	6.15	| Q	|	|	|	|
1+50	0.7877	6.15	| QV	|	|	|	|
1+55	0.8301	6.15	| QV	|	|	|	|
2+ 0	0.8747	6.48	| Q	|	|	|	|
2+ 5	0.9208	6.70	| QV	|	|	|	|
2+10	0.9662	6.59	| QV	|	|	|	|
2+15	1.0147	7.04	| QV	|	|	|	|
2+20	1.0639	7.14	| Q V	|	|	|	|
2+25	1.1131	7.15	| Q V	|	|	|	|
2+30	1.1625	7.16	| Q V	|	|	|	|
2+35	1.2118	7.16	| Q V	|	|	|	|
2+40	1.2611	7.16	| Q V	|	|	|	|
2+45	1.3127	7.49	| Q V	|	|	|	|
2+50	1.3680	8.03	| Q V|	|	|	|	|
2+55	1.4241	8.14	| Q V|	|	|	|	|
3+ 0	1.4803	8.17	| Q V|	|	|	|	|
3+ 5	1.5366	8.17	| Q V	|	|	|	|
3+10	1.5951	8.50	| Q V	|	|	|	|
3+15	1.6574	9.04	| Q V	|	|	|	|
3+20	1.7205	9.16	| Q |V	|	|	|	|
3+25	1.7859	9.50	| Q |V	|	|	|	|
3+30	1.8574	10.38	| Q | V	|	|	|	|
3+35	1.9357	11.36	| Q| V	|	|	|	|

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   3+40       2.0186     12.04  |        Q|  V      |          |          |
   3+45       2.1048     12.51  |         Q  V      |          |          |
   3+50       2.1949     13.08  |         Q   V     |          |          |
   3+55       2.2880     13.53  |         Q    V    |          |          |
   4+ 0       2.3851     14.09  |         |Q   V    |          |          |
   4+ 5       2.4852     14.54  |         |Q    V   |          |          |
   4+10       2.5915     15.43  |         | Q    V  |          |          |
   4+15       2.7045     16.42  |         |  Q   V  |          |          |
   4+20       2.8245     17.42  |         |  Q    V |          |          |
   4+25       2.9515     18.43  |         |   Q    V|          |          |
   4+30       3.0832     19.12  |         |    Q    V          |          |
   4+35       3.2181     19.59  |         |    Q    |V         |          |
   4+40       3.3591     20.48  |         |     Q   | V       |          |
   4+45       3.5070     21.47  |         |      Q  |  V      |          |
   4+50       3.6596     22.15  |         |      Q  |   V     |          |
   4+55       3.8154     22.62  |         |       Q |    V    |          |
   5+ 0       3.9773     23.52  |         |       Q |     V   |          |
   5+ 5       4.1551     25.81  |         |         Q      V  |          |
   5+10       4.3638     30.30  |         |          |   Q   V |          |
   5+15       4.6020     34.59  |         |          |      Q  V          |
   5+20       4.8629     37.88  |         |          |         Q V        |
   5+25       5.1495     41.62  |         |          |          |  QV     |
   5+30       5.4781     47.71  |         |          |          |     V Q |
   5+35       5.7617     41.18  |         |          |          | Q     V |
   5+40       5.8919     18.91  |         |    Q     |          |         V|
   5+45       5.9514      8.64  |     Q   |          |          |         V|
   5+50       5.9863      5.06  |   Q     |          |          |         V|
   5+55       6.0099      3.42  | Q       |          |          |         V|
   6+ 0       6.0250      2.19  |Q        |          |          |         V|
   6+ 5       6.0328      1.13  Q         |          |          |         V|
   6+10       6.0344      0.23  Q         |          |          |         V|
   6+15       6.0347      0.05  Q         |          |          |         V|
   6+20       6.0347      0.01  Q         |          |          |          V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/05/24 File: MESAP10D10024100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10D, 100-YR
8/05/24

Drainage Area = 30.06(Ac.) = 0.047 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 30.06(Ac.) = 0.047 Sq. Mi.
Length along longest watercourse = 2980.00(Ft.)
Length along longest watercourse measured to centroid = 851.00(Ft.)
Length along longest watercourse = 0.564 Mi.
Length along longest watercourse measured to centroid = 0.161 Mi.
Difference in elevation = 109.00(Ft.)
Slope along watercourse = 193.1275 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.053 Hr.
Lag time = 3.20 Min.
25% of lag time = 0.80 Min.
40% of lag time = 1.28 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
30.06	2.45	73.65

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
30.06	6.08	182.76

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.080(In)

Point rain (area averaged) = 6.080(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.080(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
12.250	92.00	0.900
12.930	94.00	0.900
2.230	65.00	0.120
2.650	77.00	0.120

Total Area Entered = 30.06(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
92.0	92.0	0.104	0.900	0.020	0.408	0.008
94.0	94.0	0.078	0.900	0.015	0.430	0.006
65.0	65.0	0.416	0.120	0.371	0.074	0.028
77.0	77.0	0.279	0.120	0.249	0.088	0.022
					Sum (F) =	0.064

Area averaged mean soil loss (F) (In/Hr) = 0.064
Minimum soil loss rate ((In/Hr)) = 0.032
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.280

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	156.478	32.290	9.782
2	0.167	312.956	53.830	16.308
3	0.250	469.434	11.094	3.361
4	0.333	625.912	2.088	0.633
5	0.417	782.390	0.698	0.211
		Sum = 100.000	Sum=	30.295

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.049	(0.113)	0.014	0.035
2	0.17	0.07	0.049	(0.113)	0.014	0.035
3	0.25	0.07	0.049	(0.112)	0.014	0.035
4	0.33	0.10	0.073	(0.112)	0.020	0.053
5	0.42	0.10	0.073	(0.112)	0.020	0.053
6	0.50	0.10	0.073	(0.111)	0.020	0.053
7	0.58	0.10	0.073	(0.111)	0.020	0.053
8	0.67	0.10	0.073	(0.110)	0.020	0.053
9	0.75	0.10	0.073	(0.110)	0.020	0.053
10	0.83	0.13	0.097	(0.109)	0.027	0.070
11	0.92	0.13	0.097	(0.109)	0.027	0.070
12	1.00	0.13	0.097	(0.109)	0.027	0.070

13	1.08	0.10	0.073	(0.108)	0.020	0.053
14	1.17	0.10	0.073	(0.108)	0.020	0.053
15	1.25	0.10	0.073	(0.107)	0.020	0.053
16	1.33	0.10	0.073	(0.107)	0.020	0.053
17	1.42	0.10	0.073	(0.106)	0.020	0.053
18	1.50	0.10	0.073	(0.106)	0.020	0.053
19	1.58	0.10	0.073	(0.106)	0.020	0.053
20	1.67	0.10	0.073	(0.105)	0.020	0.053
21	1.75	0.10	0.073	(0.105)	0.020	0.053
22	1.83	0.13	0.097	(0.104)	0.027	0.070
23	1.92	0.13	0.097	(0.104)	0.027	0.070
24	2.00	0.13	0.097	(0.103)	0.027	0.070
25	2.08	0.13	0.097	(0.103)	0.027	0.070
26	2.17	0.13	0.097	(0.103)	0.027	0.070
27	2.25	0.13	0.097	(0.102)	0.027	0.070
28	2.33	0.13	0.097	(0.102)	0.027	0.070
29	2.42	0.13	0.097	(0.101)	0.027	0.070
30	2.50	0.13	0.097	(0.101)	0.027	0.070
31	2.58	0.17	0.122	(0.101)	0.034	0.088
32	2.67	0.17	0.122	(0.100)	0.034	0.088
33	2.75	0.17	0.122	(0.100)	0.034	0.088
34	2.83	0.17	0.122	(0.099)	0.034	0.088
35	2.92	0.17	0.122	(0.099)	0.034	0.088
36	3.00	0.17	0.122	(0.098)	0.034	0.088
37	3.08	0.17	0.122	(0.098)	0.034	0.088
38	3.17	0.17	0.122	(0.098)	0.034	0.088
39	3.25	0.17	0.122	(0.097)	0.034	0.088
40	3.33	0.17	0.122	(0.097)	0.034	0.088
41	3.42	0.17	0.122	(0.096)	0.034	0.088
42	3.50	0.17	0.122	(0.096)	0.034	0.088
43	3.58	0.17	0.122	(0.096)	0.034	0.088
44	3.67	0.17	0.122	(0.095)	0.034	0.088
45	3.75	0.17	0.122	(0.095)	0.034	0.088
46	3.83	0.20	0.146	(0.094)	0.041	0.105
47	3.92	0.20	0.146	(0.094)	0.041	0.105
48	4.00	0.20	0.146	(0.094)	0.041	0.105
49	4.08	0.20	0.146	(0.093)	0.041	0.105
50	4.17	0.20	0.146	(0.093)	0.041	0.105
51	4.25	0.20	0.146	(0.092)	0.041	0.105
52	4.33	0.23	0.170	(0.092)	0.048	0.123
53	4.42	0.23	0.170	(0.092)	0.048	0.123
54	4.50	0.23	0.170	(0.091)	0.048	0.123
55	4.58	0.23	0.170	(0.091)	0.048	0.123
56	4.67	0.23	0.170	(0.091)	0.048	0.123
57	4.75	0.23	0.170	(0.090)	0.048	0.123
58	4.83	0.27	0.195	(0.090)	0.054	0.140
59	4.92	0.27	0.195	(0.089)	0.054	0.140
60	5.00	0.27	0.195	(0.089)	0.054	0.140
61	5.08	0.20	0.146	(0.089)	0.041	0.105
62	5.17	0.20	0.146	(0.088)	0.041	0.105
63	5.25	0.20	0.146	(0.088)	0.041	0.105
64	5.33	0.23	0.170	(0.087)	0.048	0.123
65	5.42	0.23	0.170	(0.087)	0.048	0.123
66	5.50	0.23	0.170	(0.087)	0.048	0.123
67	5.58	0.27	0.195	(0.086)	0.054	0.140
68	5.67	0.27	0.195	(0.086)	0.054	0.140
69	5.75	0.27	0.195	(0.086)	0.054	0.140
70	5.83	0.27	0.195	(0.085)	0.054	0.140
71	5.92	0.27	0.195	(0.085)	0.054	0.140
72	6.00	0.27	0.195	(0.084)	0.054	0.140
73	6.08	0.30	0.219	(0.084)	0.061	0.158
74	6.17	0.30	0.219	(0.084)	0.061	0.158
75	6.25	0.30	0.219	(0.083)	0.061	0.158
76	6.33	0.30	0.219	(0.083)	0.061	0.158
77	6.42	0.30	0.219	(0.083)	0.061	0.158
78	6.50	0.30	0.219	(0.082)	0.061	0.158
79	6.58	0.33	0.243	(0.082)	0.068	0.175
80	6.67	0.33	0.243	(0.081)	0.068	0.175
81	6.75	0.33	0.243	(0.081)	0.068	0.175
82	6.83	0.33	0.243	(0.081)	0.068	0.175
83	6.92	0.33	0.243	(0.080)	0.068	0.175
84	7.00	0.33	0.243	(0.080)	0.068	0.175
85	7.08	0.33	0.243	(0.080)	0.068	0.175
86	7.17	0.33	0.243	(0.079)	0.068	0.175
87	7.25	0.33	0.243	(0.079)	0.068	0.175
88	7.33	0.37	0.268	(0.079)	0.075	0.193
89	7.42	0.37	0.268	(0.078)	0.075	0.193
90	7.50	0.37	0.268	(0.078)	0.075	0.193
91	7.58	0.40	0.292	0.077	(0.082)	0.214
92	7.67	0.40	0.292	0.077	(0.082)	0.215
93	7.75	0.40	0.292	0.077	(0.082)	0.215
94	7.83	0.43	0.316	0.076	(0.089)	0.240
95	7.92	0.43	0.316	0.076	(0.089)	0.240
96	8.00	0.43	0.316	0.076	(0.089)	0.240
97	8.08	0.50	0.365	0.075	(0.102)	0.289
98	8.17	0.50	0.365	0.075	(0.102)	0.290
99	8.25	0.50	0.365	0.075	(0.102)	0.290
100	8.33	0.50	0.365	0.074	(0.102)	0.291
101	8.42	0.50	0.365	0.074	(0.102)	0.291
102	8.50	0.50	0.365	0.074	(0.102)	0.291
103	8.58	0.53	0.389	0.073	(0.109)	0.316
104	8.67	0.53	0.389	0.073	(0.109)	0.316
105	8.75	0.53	0.389	0.073	(0.109)	0.317
106	8.83	0.57	0.413	0.072	(0.116)	0.341
107	8.92	0.57	0.413	0.072	(0.116)	0.342
108	9.00	0.57	0.413	0.072	(0.116)	0.342
109	9.08	0.63	0.462	0.071	(0.129)	0.391
110	9.17	0.63	0.462	0.071	(0.129)	0.391
111	9.25	0.63	0.462	0.070	(0.129)	0.392
112	9.33	0.67	0.486	0.070	(0.136)	0.416
113	9.42	0.67	0.486	0.070	(0.136)	0.417
114	9.50	0.67	0.486	0.069	(0.136)	0.417
115	9.58	0.70	0.511	0.069	(0.143)	0.442
116	9.67	0.70	0.511	0.069	(0.143)	0.442
117	9.75	0.70	0.511	0.068	(0.143)	0.442
118	9.83	0.73	0.535	0.068	(0.150)	0.467
119	9.92	0.73	0.535	0.068	(0.150)	0.467
120	10.00	0.73	0.535	0.068	(0.150)	0.468
121	10.08	0.50	0.365	0.067	(0.102)	0.298
122	10.17	0.50	0.365	0.067	(0.102)	0.298
123	10.25	0.50	0.365	0.067	(0.102)	0.298
124	10.33	0.50	0.365	0.066	(0.102)	0.299
125	10.42	0.50	0.365	0.066	(0.102)	0.299
126	10.50	0.50	0.365	0.066	(0.102)	0.299
127	10.58	0.67	0.486	0.065	(0.136)	0.421
128	10.67	0.67	0.486	0.065	(0.136)	0.421
129	10.75	0.67	0.486	0.065	(0.136)	0.422
130	10.83	0.67	0.486	0.064	(0.136)	0.422
131	10.92	0.67	0.486	0.064	(0.136)	0.422
132	11.00	0.67	0.486	0.064	(0.136)	0.423
133	11.08	0.63	0.462	0.063	(0.129)	0.399
134	11.17	0.63	0.462	0.063	(0.129)	0.399
135	11.25	0.63	0.462	0.063	(0.129)	0.399
136	11.33	0.63	0.462	0.062	(0.129)	0.400

137	11.42	0.63	0.462	0.062	(0.129)	0.400
138	11.50	0.63	0.462	0.062	(0.129)	0.400
139	11.58	0.57	0.413	0.061	(0.116)	0.352
140	11.67	0.57	0.413	0.061	(0.116)	0.352
141	11.75	0.57	0.413	0.061	(0.116)	0.353
142	11.83	0.60	0.438	0.061	(0.123)	0.377
143	11.92	0.60	0.438	0.060	(0.123)	0.377
144	12.00	0.60	0.438	0.060	(0.123)	0.378
145	12.08	0.83	0.608	0.060	(0.170)	0.548
146	12.17	0.83	0.608	0.059	(0.170)	0.549
147	12.25	0.83	0.608	0.059	(0.170)	0.549
148	12.33	0.87	0.632	0.059	(0.177)	0.574
149	12.42	0.87	0.632	0.058	(0.177)	0.574
150	12.50	0.87	0.632	0.058	(0.177)	0.574
151	12.58	0.93	0.681	0.058	(0.191)	0.623
152	12.67	0.93	0.681	0.058	(0.191)	0.623
153	12.75	0.93	0.681	0.057	(0.191)	0.624
154	12.83	0.97	0.705	0.057	(0.197)	0.648
155	12.92	0.97	0.705	0.057	(0.197)	0.649
156	13.00	0.97	0.705	0.056	(0.197)	0.649
157	13.08	1.13	0.827	0.056	(0.232)	0.771
158	13.17	1.13	0.827	0.056	(0.232)	0.771
159	13.25	1.13	0.827	0.056	(0.232)	0.771
160	13.33	1.13	0.827	0.055	(0.232)	0.772
161	13.42	1.13	0.827	0.055	(0.232)	0.772
162	13.50	1.13	0.827	0.055	(0.232)	0.772
163	13.58	0.77	0.559	0.054	(0.157)	0.505
164	13.67	0.77	0.559	0.054	(0.157)	0.505
165	13.75	0.77	0.559	0.054	(0.157)	0.505
166	13.83	0.77	0.559	0.054	(0.157)	0.506
167	13.92	0.77	0.559	0.053	(0.157)	0.506
168	14.00	0.77	0.559	0.053	(0.157)	0.506
169	14.08	0.90	0.657	0.053	(0.184)	0.604
170	14.17	0.90	0.657	0.053	(0.184)	0.604
171	14.25	0.90	0.657	0.052	(0.184)	0.604
172	14.33	0.87	0.632	0.052	(0.177)	0.580
173	14.42	0.87	0.632	0.052	(0.177)	0.581
174	14.50	0.87	0.632	0.051	(0.177)	0.581
175	14.58	0.87	0.632	0.051	(0.177)	0.581
176	14.67	0.87	0.632	0.051	(0.177)	0.581
177	14.75	0.87	0.632	0.051	(0.177)	0.582
178	14.83	0.83	0.608	0.050	(0.170)	0.558
179	14.92	0.83	0.608	0.050	(0.170)	0.558
180	15.00	0.83	0.608	0.050	(0.170)	0.558
181	15.08	0.80	0.584	0.050	(0.163)	0.534
182	15.17	0.80	0.584	0.049	(0.163)	0.534
183	15.25	0.80	0.584	0.049	(0.163)	0.534
184	15.33	0.77	0.559	0.049	(0.157)	0.510
185	15.42	0.77	0.559	0.049	(0.157)	0.511
186	15.50	0.77	0.559	0.048	(0.157)	0.511
187	15.58	0.63	0.462	0.048	(0.129)	0.414
188	15.67	0.63	0.462	0.048	(0.129)	0.414
189	15.75	0.63	0.462	0.048	(0.129)	0.414
190	15.83	0.63	0.462	0.047	(0.129)	0.415
191	15.92	0.63	0.462	0.047	(0.129)	0.415
192	16.00	0.63	0.462	0.047	(0.129)	0.415
193	16.08	0.13	0.097	(0.047)	0.027	0.070
194	16.17	0.13	0.097	(0.046)	0.027	0.070
195	16.25	0.13	0.097	(0.046)	0.027	0.070
196	16.33	0.13	0.097	(0.046)	0.027	0.070
197	16.42	0.13	0.097	(0.046)	0.027	0.070
198	16.50	0.13	0.097	(0.046)	0.027	0.070
199	16.58	0.10	0.073	(0.045)	0.020	0.053
200	16.67	0.10	0.073	(0.045)	0.020	0.053
201	16.75	0.10	0.073	(0.045)	0.020	0.053
202	16.83	0.10	0.073	(0.045)	0.020	0.053
203	16.92	0.10	0.073	(0.044)	0.020	0.053
204	17.00	0.10	0.073	(0.044)	0.020	0.053
205	17.08	0.17	0.122	(0.044)	0.034	0.088
206	17.17	0.17	0.122	(0.044)	0.034	0.088
207	17.25	0.17	0.122	(0.043)	0.034	0.088
208	17.33	0.17	0.122	(0.043)	0.034	0.088
209	17.42	0.17	0.122	(0.043)	0.034	0.088
210	17.50	0.17	0.122	(0.043)	0.034	0.088
211	17.58	0.17	0.122	(0.043)	0.034	0.088
212	17.67	0.17	0.122	(0.042)	0.034	0.088
213	17.75	0.17	0.122	(0.042)	0.034	0.088
214	17.83	0.13	0.097	(0.042)	0.027	0.070
215	17.92	0.13	0.097	(0.042)	0.027	0.070
216	18.00	0.13	0.097	(0.042)	0.027	0.070
217	18.08	0.13	0.097	(0.041)	0.027	0.070
218	18.17	0.13	0.097	(0.041)	0.027	0.070
219	18.25	0.13	0.097	(0.041)	0.027	0.070
220	18.33	0.13	0.097	(0.041)	0.027	0.070
221	18.42	0.13	0.097	(0.041)	0.027	0.070
222	18.50	0.13	0.097	(0.040)	0.027	0.070
223	18.58	0.10	0.073	(0.040)	0.020	0.053
224	18.67	0.10	0.073	(0.040)	0.020	0.053
225	18.75	0.10	0.073	(0.040)	0.020	0.053
226	18.83	0.07	0.049	(0.040)	0.014	0.035
227	18.92	0.07	0.049	(0.039)	0.014	0.035
228	19.00	0.07	0.049	(0.039)	0.014	0.035
229	19.08	0.10	0.073	(0.039)	0.020	0.053
230	19.17	0.10	0.073	(0.039)	0.020	0.053
231	19.25	0.10	0.073	(0.039)	0.020	0.053
232	19.33	0.13	0.097	(0.038)	0.027	0.070
233	19.42	0.13	0.097	(0.038)	0.027	0.070
234	19.50	0.13	0.097	(0.038)	0.027	0.070
235	19.58	0.10	0.073	(0.038)	0.020	0.053
236	19.67	0.10	0.073	(0.038)	0.020	0.053
237	19.75	0.10	0.073	(0.038)	0.020	0.053
238	19.83	0.07	0.049	(0.037)	0.014	0.035
239	19.92	0.07	0.049	(0.037)	0.014	0.035
240	20.00	0.07	0.049	(0.037)	0.014	0.035
241	20.08	0.10	0.073	(0.037)	0.020	0.053
242	20.17	0.10	0.073	(0.037)	0.020	0.053
243	20.25	0.10	0.073	(0.037)	0.020	0.053
244	20.33	0.10	0.073	(0.036)	0.020	0.053
245	20.42	0.10	0.073	(0.036)	0.020	0.053
246	20.50	0.10	0.073	(0.036)	0.020	0.053
247	20.58	0.10	0.073	(0.036)	0.020	0.053
248	20.67	0.10	0.073	(0.036)	0.020	0.053
249	20.75	0.10	0.073	(0.036)	0.020	0.053
250	20.83	0.07	0.049	(0.036)	0.014	0.035
251	20.92	0.07	0.049	(0.035)	0.014	0.035
252	21.00	0.07	0.049	(0.035)	0.014	0.035
253	21.08	0.10	0.073	(0.035)	0.020	0.053
254	21.17	0.10	0.073	(0.035)	0.020	0.053
255	21.25	0.10	0.073	(0.035)	0.020	0.053
256	21.33	0.07	0.049	(0.035)	0.014	0.035
257	21.42	0.07	0.049	(0.035)	0.014	0.035
258	21.50	0.07	0.049	(0.034)	0.014	0.035
259	21.58	0.10	0.073	(0.034)	0.020	0.053
260	21.67	0.10	0.073	(0.034)	0.020	0.053

261	21.75	0.10	0.073	(0.034)	0.020	0.053
262	21.83	0.07	0.049	(0.034)	0.014	0.035
263	21.92	0.07	0.049	(0.034)	0.014	0.035
264	22.00	0.07	0.049	(0.034)	0.014	0.035
265	22.08	0.10	0.073	(0.034)	0.020	0.053
266	22.17	0.10	0.073	(0.034)	0.020	0.053
267	22.25	0.10	0.073	(0.033)	0.020	0.053
268	22.33	0.07	0.049	(0.033)	0.014	0.035
269	22.42	0.07	0.049	(0.033)	0.014	0.035
270	22.50	0.07	0.049	(0.033)	0.014	0.035
271	22.58	0.07	0.049	(0.033)	0.014	0.035
272	22.67	0.07	0.049	(0.033)	0.014	0.035
273	22.75	0.07	0.049	(0.033)	0.014	0.035
274	22.83	0.07	0.049	(0.033)	0.014	0.035
275	22.92	0.07	0.049	(0.033)	0.014	0.035
276	23.00	0.07	0.049	(0.033)	0.014	0.035
277	23.08	0.07	0.049	(0.033)	0.014	0.035
278	23.17	0.07	0.049	(0.032)	0.014	0.035
279	23.25	0.07	0.049	(0.032)	0.014	0.035
280	23.33	0.07	0.049	(0.032)	0.014	0.035
281	23.42	0.07	0.049	(0.032)	0.014	0.035
282	23.50	0.07	0.049	(0.032)	0.014	0.035
283	23.58	0.07	0.049	(0.032)	0.014	0.035
284	23.67	0.07	0.049	(0.032)	0.014	0.035
285	23.75	0.07	0.049	(0.032)	0.014	0.035
286	23.83	0.07	0.049	(0.032)	0.014	0.035
287	23.92	0.07	0.049	(0.032)	0.014	0.035
288	24.00	0.07	0.049	(0.032)	0.014	0.035

(Loss Rate Not Used)

Sum = 100.0 Sum = 61.1

Flood volume = Effective rainfall 5.09(In)
times area 30.1(Ac.)/[(In)/(Ft.)] = 12.7(Ac.Ft)
Total soil loss = 0.99(In)
Total soil loss = 2.481(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 555346.4 Cubic Feet
Total soil loss = 108050.8 Cubic Feet

Peak flow rate of this hydrograph = 23.395(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0024	0.34	Q	|	|	|	|
0+10	0.0087	0.91	VQ	|	|	|	|
0+15	0.0158	1.03	VQ	|	|	|	|
0+20	0.0242	1.23	VQ	|	|	|	|
0+25	0.0347	1.52	V Q	|	|	|	|
0+30	0.0455	1.58	V Q	|	|	|	|
0+35	0.0565	1.59	V Q	|	|	|	|
0+40	0.0674	1.59	V Q	|	|	|	|
0+45	0.0784	1.59	V Q	|	|	|	|
0+50	0.0905	1.76	V Q	|	|	|	|
0+55	0.1047	2.05	V Q	|	|	|	|
1+ 0	0.1192	2.11	V Q	|	|	|	|
1+ 5	0.1326	1.95	V Q	|	|	|	|
1+10	0.1441	1.67	V Q	|	|	|	|
1+15	0.1551	1.61	V Q	|	|	|	|
1+20	0.1661	1.60	V Q	|	|	|	|
1+25	0.1771	1.59	V Q	|	|	|	|
1+30	0.1880	1.59	V Q	|	|	|	|
1+35	0.1990	1.59	V Q	|	|	|	|
1+40	0.2100	1.59	V Q	|	|	|	|
1+45	0.2209	1.59	V Q	|	|	|	|
1+50	0.2331	1.76	V Q	|	|	|	|
1+55	0.2472	2.05	V Q	|	|	|	|
2+ 0	0.2617	2.11	V Q	|	|	|	|
2+ 5	0.2763	2.12	V Q	|	|	|	|
2+10	0.2909	2.12	V Q	|	|	|	|
2+15	0.3056	2.12	V Q	|	|	|	|
2+20	0.3202	2.12	|VQ	|	|	|	|
2+25	0.3348	2.12	|VQ	|	|	|	|
2+30	0.3494	2.12	|VQ	|	|	|	|
2+35	0.3652	2.29	|V Q	|	|	|	|
2+40	0.3830	2.58	|V Q	|	|	|	|
2+45	0.4012	2.64	|V Q	|	|	|	|
2+50	0.4194	2.65	|V Q	|	|	|	|
2+55	0.4377	2.65	|V Q	|	|	|	|
3+ 0	0.4560	2.65	|V Q	|	|	|	|
3+ 5	0.4742	2.65	|V Q	|	|	|	|
3+10	0.4925	2.65	|V Q	|	|	|	|
3+15	0.5108	2.65	|V Q	|	|	|	|
3+20	0.5291	2.65	|V Q	|	|	|	|
3+25	0.5473	2.65	|V Q	|	|	|	|
3+30	0.5656	2.65	|V Q	|	|	|	|
3+35	0.5839	2.65	|V Q	|	|	|	|
3+40	0.6022	2.65	|V Q	|	|	|	|
3+45	0.6204	2.65	|V Q	|	|	|	|
3+50	0.6399	2.82	| VQ	|	|	|	|
3+55	0.6613	3.11	| V Q	|	|	|	|
4+ 0	0.6831	3.17	| V Q	|	|	|	|
4+ 5	0.7050	3.18	| V Q	|	|	|	|
4+10	0.7270	3.18	| V Q	|	|	|	|
4+15	0.7489	3.18	| V Q	|	|	|	|
4+20	0.7720	3.36	| V Q	|	|	|	|
4+25	0.7971	3.64	| V Q	|	|	|	|
4+30	0.8226	3.70	| V Q	|	|	|	|
4+35	0.8481	3.71	| V Q	|	|	|	|
4+40	0.8737	3.72	| V Q	|	|	|	|
4+45	0.8993	3.72	| V Q	|	|	|	|
4+50	0.9261	3.89	| V Q	|	|	|	|
4+55	0.9548	4.17	| V Q	|	|	|	|
5+ 0	0.9840	4.23	| V Q	|	|	|	|
5+ 5	1.0108	3.90	| V Q	|	|	|	|
5+10	1.0338	3.33	| VQ	|	|	|	|
5+15	1.0559	3.21	| VQ	|	|	|	|
5+20	1.0790	3.36	| VQ	|	|	|	|
5+25	1.1041	3.64	| VQ	|	|	|	|
5+30	1.1296	3.70	| VQ	|	|	|	|
5+35	1.1564	3.88	| V Q	|	|	|	|
5+40	1.1851	4.17	| V Q	|	|	|	|
5+45	1.2142	4.23	| V Q	|	|	|	|
5+50	1.2434	4.24	| V Q	|	|	|	|
5+55	1.2727	4.25	| V Q	|	|	|	|
6+ 0	1.3019	4.25	| VQ	|	|	|	|
6+ 5	1.3323	4.42	| VQ	|	|	|	|
6+10	1.3647	4.70	| V Q	|	|	|	|
6+15	1.3975	4.76	| V Q	|	|	|	|

| | | |

16+40	11.7965	1.67	Q				V
16+45	11.8076	1.61	Q				V
16+50	11.8186	1.60	Q				V
16+55	11.8296	1.59	Q				V
17+ 0	11.8405	1.59	Q				V
17+ 5	11.8538	1.93	Q				V
17+10	11.8711	2.51	Q				V
17+15	11.8892	2.62	Q				V
17+20	11.9074	2.65	Q				V
17+25	11.9257	2.65	Q				V
17+30	11.9440	2.65	Q				V
17+35	11.9622	2.65	Q				V
17+40	11.9805	2.65	Q				V
17+45	11.9988	2.65	Q				V
17+50	12.0159	2.48	Q				V
17+55	12.0310	2.20	Q				V
18+ 0	12.0457	2.14	Q				V
18+ 5	12.0604	2.13	Q				V
18+10	12.0750	2.12	Q				V
18+15	12.0896	2.12	Q				V
18+20	12.1042	2.12	Q				V
18+25	12.1189	2.12	Q				V
18+30	12.1335	2.12	Q				V
18+35	12.1469	1.95	Q				V
18+40	12.1584	1.67	Q				V
18+45	12.1695	1.61	Q				V
18+50	12.1793	1.42	Q				V
18+55	12.1871	1.14	Q				V
19+ 0	12.1945	1.08	Q				V
19+ 5	12.2030	1.24	Q				V
19+10	12.2135	1.52	Q				V
19+15	12.2243	1.58	Q				V
19+20	12.2365	1.76	Q				V
19+25	12.2506	2.05	Q				V
19+30	12.2651	2.11	Q				V
19+35	12.2785	1.95	Q				V
19+40	12.2900	1.67	Q				V
19+45	12.3010	1.61	Q				V
19+50	12.3108	1.42	Q				V
19+55	12.3187	1.14	Q				V
20+ 0	12.3261	1.08	Q				V
20+ 5	12.3346	1.24	Q				V
20+10	12.3451	1.52	Q				V
20+15	12.3559	1.58	Q				V
20+20	12.3669	1.59	Q				V
20+25	12.3778	1.59	Q				V
20+30	12.3888	1.59	Q				V
20+35	12.3997	1.59	Q				V
20+40	12.4107	1.59	Q				V
20+45	12.4217	1.59	Q				V
20+50	12.4315	1.42	Q				V
20+55	12.4393	1.14	Q				V
21+ 0	12.4467	1.08	Q				V
21+ 5	12.4552	1.24	Q				V
21+10	12.4657	1.52	Q				V
21+15	12.4765	1.58	Q				V
21+20	12.4863	1.42	Q				V
21+25	12.4941	1.14	Q				V
21+30	12.5015	1.08	Q				V
21+35	12.5100	1.24	Q				V
21+40	12.5205	1.52	Q				V
21+45	12.5314	1.58	Q				V
21+50	12.5411	1.42	Q				V
21+55	12.5489	1.14	Q				V
22+ 0	12.5563	1.08	Q				V
22+ 5	12.5649	1.24	Q				V
22+10	12.5753	1.52	Q				V
22+15	12.5862	1.58	Q				V
22+20	12.5959	1.42	Q				V
22+25	12.6038	1.14	Q				V
22+30	12.6112	1.08	Q				V
22+35	12.6185	1.07	Q				V
22+40	12.6258	1.06	Q				V
22+45	12.6331	1.06	Q				V
22+50	12.6404	1.06	Q				V
22+55	12.6477	1.06	Q				V
23+ 0	12.6551	1.06	Q				V
23+ 5	12.6624	1.06	Q				V
23+10	12.6697	1.06	Q				V
23+15	12.6770	1.06	Q				V
23+20	12.6843	1.06	Q				V
23+25	12.6916	1.06	Q				V
23+30	12.6989	1.06	Q				V
23+35	12.7062	1.06	Q				V
23+40	12.7135	1.06	Q				V
23+45	12.7209	1.06	Q				V
23+50	12.7282	1.06	Q				V
23+55	12.7355	1.06	Q				V
24+ 0	12.7428	1.06	Q				V
24+ 5	12.7477	0.72	Q				V
24+10	12.7487	0.15	Q				V
24+15	12.7489	0.03	Q				V
24+20	12.7490	0.01	Q				V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/19/24 File: MESAP10E1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10E, 100-YR
2/08/24
--------------------------------------------------------------------------
Drainage Area =       3.91(Ac.)  =      0.006 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       3.91(Ac.)  =
0.006 Sq. Mi.
Length along longest watercourse =     692.00(Ft.)
Length along longest watercourse measured to centroid =     121.00(Ft.)
Length along longest watercourse =      0.131 Mi.
Length along longest watercourse measured to centroid =      0.023 Mi.
Difference in elevation =      61.00(Ft.)
Slope along watercourse =    465.4335 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.029 Hr.
Lag time =     1.73 Min.
25% of lag time =     0.43 Min.
40% of lag time =     0.69 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        3.91             0.94                    3.68

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        3.91             1.97                    7.70

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)

Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.900           70.00          0.000
     2.650           84.00          0.000
     0.360           82.00          0.120
 Total Area Entered =      3.91(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.230      0.083
84.0  84.0      0.198     0.000        0.198       0.678      0.134
82.0  82.0      0.221     0.120        0.197       0.092      0.018
                                                 Sum (F) =   0.236
Area averaged mean soil loss (F) (In/Hr) =  0.236
Minimum soil loss rate ((In/Hr)) =  0.118
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         FOOTHILL S-Curve
-----------------------------------------------------------------------
                  Unit Hydrograph Data
-----------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-----------------------------------------------------------------------
    1   0.083        289.691         56.456             2.225
    2   0.167        579.383         41.186             1.623
    3   0.250        869.074          2.358             0.093
                              Sum = 100.000   Sum=       3.941
-----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     1.30      0.307          0.236    (  0.277)        0.071
  2   0.17     1.30      0.307          0.236    (  0.277)        0.071
  3   0.25     1.10      0.260       (  0.236)       0.234        0.026
  4   0.33     1.50      0.355          0.236    (  0.319)        0.119
  5   0.42     1.50      0.355          0.236    (  0.319)        0.119
  6   0.50     1.80      0.426          0.236    (  0.383)        0.190
  7   0.58     1.50      0.355          0.236    (  0.319)        0.119
  8   0.67     1.80      0.426          0.236    (  0.383)        0.190
  9   0.75     1.80      0.426          0.236    (  0.383)        0.190
 10   0.83     1.50      0.355          0.236    (  0.319)        0.119
 11   0.92     1.60      0.378          0.236    (  0.340)        0.142
 12   1.00     1.80      0.426          0.236    (  0.383)        0.190
 13   1.08     2.20      0.520          0.236    (  0.468)        0.284
 14   1.17     2.20      0.520          0.236    (  0.468)        0.284
 15   1.25     2.20      0.520          0.236    (  0.468)        0.284
 16   1.33     2.00      0.473          0.236    (  0.426)        0.237
```

17	1.42	2.60	0.615	0.236	(0.553)	0.379
18	1.50	2.70	0.638	0.236	(0.574)	0.402
19	1.58	2.40	0.567	0.236	(0.511)	0.331
20	1.67	2.70	0.638	0.236	(0.574)	0.402
21	1.75	3.30	0.780	0.236	(0.702)	0.544
22	1.83	3.10	0.733	0.236	(0.660)	0.497
23	1.92	2.90	0.686	0.236	(0.617)	0.450
24	2.00	3.00	0.709	0.236	(0.638)	0.473
25	2.08	3.10	0.733	0.236	(0.660)	0.497
26	2.17	4.20	0.993	0.236	(0.894)	0.757
27	2.25	5.00	1.182	0.236	(1.064)	0.946
28	2.33	3.50	0.827	0.236	(0.745)	0.591
29	2.42	6.80	1.607	0.236	(1.447)	1.372
30	2.50	7.30	1.726	0.236	(1.553)	1.490
31	2.58	8.20	1.938	0.236	(1.745)	1.702
32	2.67	5.90	1.395	0.236	(1.255)	1.159
33	2.75	2.00	0.473	0.236	(0.426)	0.237
34	2.83	1.80	0.426	0.236	(0.383)	0.190
35	2.92	1.80	0.426	0.236	(0.383)	0.190
36	3.00	0.60	0.142	(0.236)	0.128	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.3

Flood volume = Effective rainfall 1.27(In)
times area 3.9(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 0.70(In)
Total soil loss = 0.228(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 18043.7 Cubic Feet
Total soil loss = 9916.6 Cubic Feet

Peak flow rate of this hydrograph = 6.336(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 2.5 5.0 7.5 10.0
0+ 5	0.0011	0.16	Q | | | |
0+10	0.0030	0.27	VQ | | | |
0+15	0.0042	0.18	Q | | | |
0+20	0.0064	0.31	VQ | | | |
0+25	0.0095	0.46	VQ | | | |
0+30	0.0139	0.63	|VQ | | | |
0+35	0.0179	0.58	|VQ | | | |
0+40	0.0222	0.63	| Q | | | |
0+45	0.0273	0.74	| Q | | | |
0+50	0.0314	0.59	| QV | | | |
0+55	0.0350	0.53	| QV | | | |
1+ 0	0.0396	0.66	| QV | | | |
1+ 5	0.0462	0.95	| QV | | | |
1+10	0.0538	1.11	| QV | | | |
1+15	0.0615	1.12	| QV | | | |
1+20	0.0685	1.01	| Q V | | | |
1+25	0.0771	1.25	| Q V | | | |
1+30	0.0877	1.53	| Q V | | | |
1+35	0.0975	1.43	| Q V| | | |
1+40	0.1077	1.47	| Q V | | |
1+45	0.1207	1.90	| Q |V | | |
1+50	0.1347	2.03	| Q | V | | |
1+55	0.1475	1.86	| Q | V | | |
2+ 0	0.1601	1.83	| Q | V | | |
2+ 5	0.1733	1.92	| Q | V | | |
2+10	0.1907	2.54	| Q V | | |
2+15	0.2140	3.38	| | Q V | |
2+20	0.2341	2.92	| |Q | V | |
2+25	0.2624	4.10	| | Q | V | |
2+30	0.3009	5.60	| | | Q V| |
2+35	0.3446	6.34	| | | Q | V |
2+40	0.3823	5.48	| | |Q | V |
2+45	0.4000	2.57	| Q | | V |
2+50	0.4063	0.91	| Q | | | V|
2+55	0.4115	0.75	| Q | | | V|
3+ 0	0.4139	0.36	|Q | | | V|
3+ 5	0.4142	0.04	Q | | | V|
3+10	0.4142	0.00	Q | | | V

```
                U n i t   H y d r o g r a p h   A n a l y s i s

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                        Study date  02/19/24 File: MESAP10E1006100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10E, 100-YR
2/08/24
------------------------------------------------------------------------
Drainage Area =       3.91(Ac.)  =      0.006 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       3.91(Ac.)  =
0.006 Sq. Mi.
Length along longest watercourse =     692.00(Ft.)
Length along longest watercourse measured to centroid =     121.00(Ft.)
Length along longest watercourse =      0.131 Mi.
Length along longest watercourse measured to centroid =      0.023 Mi.
Difference in elevation =      61.00(Ft.)
Slope along watercourse =    465.4335 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.029 Hr.
Lag time =     1.73 Min.
25% of lag time =     0.43 Min.
40% of lag time =     0.69 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        3.91             1.35                  5.28

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        3.91             2.78                 10.87

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.900           70.00          0.000
     2.650           84.00          0.000
     0.360           82.00          0.120
 Total Area Entered =      3.91(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.230      0.083
84.0  84.0      0.198     0.000        0.198       0.678      0.134
82.0  82.0      0.221     0.120        0.197       0.092      0.018
                                                 Sum (F) =   0.236
Area averaged mean soil loss (F) (In/Hr) =  0.236
Minimum soil loss rate ((In/Hr)) =  0.118
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        289.691         56.456             2.225
    2   0.167        579.383         41.186             1.623
    3   0.250        869.074          2.358             0.093
                              Sum = 100.000   Sum=       3.941
------------------------------------------------------------------------

The following loss rate calculations reflect use of the minimum calculated loss
rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)        Max   |   Low         (In/Hr)
  1   0.08     0.50      0.167       (  0.236)       0.150        0.017
  2   0.17     0.60      0.200       (  0.236)       0.180        0.020
  3   0.25     0.60      0.200       (  0.236)       0.180        0.020
  4   0.33     0.60      0.200       (  0.236)       0.180        0.020
  5   0.42     0.60      0.200       (  0.236)       0.180        0.020
  6   0.50     0.70      0.234       (  0.236)       0.210        0.023
  7   0.58     0.70      0.234       (  0.236)       0.210        0.023
  8   0.67     0.70      0.234       (  0.236)       0.210        0.023
  9   0.75     0.70      0.234       (  0.236)       0.210        0.023
 10   0.83     0.70      0.234       (  0.236)       0.210        0.023
 11   0.92     0.70      0.234       (  0.236)       0.210        0.023
 12   1.00     0.80      0.267          0.236    (  0.240)       0.031
 13   1.08     0.80      0.267          0.236    (  0.240)       0.031
 14   1.17     0.80      0.267          0.236    (  0.240)       0.031
 15   1.25     0.80      0.267          0.236    (  0.240)       0.031
 16   1.33     0.80      0.267          0.236    (  0.240)       0.031
```

17	1.42	0.80	0.267	0.236	(0.240)	0.031
18	1.50	0.80	0.267	0.236	(0.240)	0.031
19	1.58	0.80	0.267	0.236	(0.240)	0.031
20	1.67	0.80	0.267	0.236	(0.240)	0.031
21	1.75	0.80	0.267	0.236	(0.240)	0.031
22	1.83	0.80	0.267	0.236	(0.240)	0.031
23	1.92	0.80	0.267	0.236	(0.240)	0.031
24	2.00	0.90	0.300	0.236	(0.270)	0.064
25	2.08	0.80	0.267	0.236	(0.240)	0.031
26	2.17	0.90	0.300	0.236	(0.270)	0.064
27	2.25	0.90	0.300	0.236	(0.270)	0.064
28	2.33	0.90	0.300	0.236	(0.270)	0.064
29	2.42	0.90	0.300	0.236	(0.270)	0.064
30	2.50	0.90	0.300	0.236	(0.270)	0.064
31	2.58	0.90	0.300	0.236	(0.270)	0.064
32	2.67	0.90	0.300	0.236	(0.270)	0.064
33	2.75	1.00	0.334	0.236	(0.300)	0.098
34	2.83	1.00	0.334	0.236	(0.300)	0.098
35	2.92	1.00	0.334	0.236	(0.300)	0.098
36	3.00	1.00	0.334	0.236	(0.300)	0.098
37	3.08	1.00	0.334	0.236	(0.300)	0.098
38	3.17	1.10	0.367	0.236	(0.330)	0.131
39	3.25	1.10	0.367	0.236	(0.330)	0.131
40	3.33	1.10	0.367	0.236	(0.330)	0.131
41	3.42	1.20	0.400	0.236	(0.360)	0.164
42	3.50	1.30	0.434	0.236	(0.390)	0.198
43	3.58	1.40	0.467	0.236	(0.420)	0.231
44	3.67	1.40	0.467	0.236	(0.420)	0.231
45	3.75	1.50	0.500	0.236	(0.450)	0.264
46	3.83	1.50	0.500	0.236	(0.450)	0.264
47	3.92	1.60	0.534	0.236	(0.480)	0.298
48	4.00	1.60	0.534	0.236	(0.480)	0.298
49	4.08	1.70	0.567	0.236	(0.510)	0.331
50	4.17	1.80	0.600	0.236	(0.540)	0.365
51	4.25	1.90	0.634	0.236	(0.570)	0.398
52	4.33	2.00	0.667	0.236	(0.600)	0.431
53	4.42	2.10	0.701	0.236	(0.630)	0.465
54	4.50	2.10	0.701	0.236	(0.630)	0.465
55	4.58	2.20	0.734	0.236	(0.661)	0.498
56	4.67	2.30	0.767	0.236	(0.691)	0.531
57	4.75	2.40	0.801	0.236	(0.721)	0.565
58	4.83	2.40	0.801	0.236	(0.721)	0.565
59	4.92	2.50	0.834	0.236	(0.751)	0.598
60	5.00	2.60	0.867	0.236	(0.781)	0.631
61	5.08	3.10	1.034	0.236	(0.931)	0.798
62	5.17	3.60	1.201	0.236	(1.081)	0.965
63	5.25	3.90	1.301	0.236	(1.171)	1.065
64	5.33	4.20	1.401	0.236	(1.261)	1.165
65	5.42	4.70	1.568	0.236	(1.411)	1.332
66	5.50	5.60	1.868	0.236	(1.681)	1.632
67	5.58	1.90	0.634	0.236	(0.570)	0.398
68	5.67	0.90	0.300	0.236	(0.270)	0.064
69	5.75	0.60	0.200	(0.236)	0.180	0.020
70	5.83	0.50	0.167	(0.236)	0.150	0.017
71	5.92	0.30	0.100	(0.236)	0.090	0.010
72	6.00	0.20	0.067	(0.236)	0.060	0.007

(Loss Rate Not Used)

Sum = 100.0 Sum = 17.3

Flood volume = Effective rainfall 1.44(In)
times area 3.9(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 1.34(In)
Total soil loss = 0.436(Ac.Ft)

Total rainfall = 2.78(In)
Flood volume = 20459.6 Cubic Feet
Total soil loss = 18997.3 Cubic Feet

Peak flow rate of this hydrograph = 5.904(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0003	0.04	Q				
0+10	0.0007	0.07	Q				
0+15	0.0013	0.08	Q				
0+20	0.0018	0.08	Q				
0+25	0.0024	0.08	Q				
0+30	0.0030	0.09	Q				
0+35	0.0036	0.09	Q				
0+40	0.0042	0.09	Q				
0+45	0.0049	0.09	Q				
0+50	0.0055	0.09	Q				
0+55	0.0061	0.09	Q				
1+ 0	0.0069	0.11	Q				
1+ 5	0.0077	0.12	Q				
1+10	0.0086	0.12	Q				
1+15	0.0094	0.12	Q				
1+20	0.0102	0.12	Q				
1+25	0.0111	0.12	Q				
1+30	0.0119	0.12	QV				
1+35	0.0128	0.12	QV				
1+40	0.0136	0.12	QV				
1+45	0.0144	0.12	QV				
1+50	0.0153	0.12	QV				
1+55	0.0161	0.12	QV				
2+ 0	0.0175	0.20	QV				
2+ 5	0.0187	0.18	QV				
2+10	0.0201	0.20	QV				
2+15	0.0218	0.25	|Q				
2+20	0.0235	0.25	|QV				
2+25	0.0253	0.25	|QV				
2+30	0.0270	0.25	|QV				
2+35	0.0288	0.25	|QV				
2+40	0.0305	0.25	|QV				
2+45	0.0328	0.33	|QV				
2+50	0.0354	0.38	|Q V				
2+55	0.0380	0.38	|Q V				
3+ 0	0.0407	0.38	|Q V				
3+ 5	0.0433	0.38	|Q V				
3+10	0.0465	0.46	|Q V				
3+15	0.0500	0.51	| Q V				
3+20	0.0536	0.52	| Q V				
3+25	0.0577	0.59	| Q V				
3+30	0.0626	0.72	| Q V				
3+35	0.0685	0.85	| Q V				
3+40	0.0747	0.91	| Q V				
3+45	0.0815	0.99	| Q V				
3+50	0.0887	1.04	| Q V				
3+55	0.0964	1.12	| Q V				

```
   4+ 0       0.1044      1.17  |   Q   V |         |         |         |
   4+ 5       0.1130      1.25  |   Q    V|         |         |         |
   4+10       0.1225      1.38  |    Q    V         |         |         |
   4+15       0.1329      1.51  |     Q   |V        |         |         |
   4+20       0.1442      1.64  |     Q   | V       |         |         |
   4+25       0.1564      1.77  |      Q  |  V      |         |         |
   4+30       0.1690      1.83  |      Q  |   V     |         |         |
   4+35       0.1821      1.91  |      Q  |    V    |         |         |
   4+40       0.1961      2.03  |       Q |     V   |         |         |
   4+45       0.2110      2.17  |       Q |      V  |         |         |
   4+50       0.2264      2.22  |       Q |         V|         |         |
   4+55       0.2422      2.30  |        Q|         V         |         |
   5+ 0       0.2589      2.43  |        Q|          | V      |         |
   5+ 5       0.2786      2.86  |         |Q         |  V     |         |
   5+10       0.3027      3.50  |         |   Q      |    V   |         |
   5+15       0.3304      4.01  |         |     Q    |       V |         |
   5+20       0.3607      4.41  |         |      Q   |         V         |
   5+25       0.3949      4.96  |         |        Q|         |  V      |
   5+30       0.4355      5.90  |         |         |  Q      |      V  |
   5+35       0.4607      3.66  |         |   Q     |         |        V|
   5+40       0.4672      0.94  |  Q      |         |         |        V|
   5+45       0.4685      0.19  Q         |         |         |        V|
   5+50       0.4690      0.08  Q         |         |         |        V|
   5+55       0.4694      0.05  Q         |         |         |        V|
   6+ 0       0.4696      0.03  Q         |         |         |        V|
   6+ 5       0.4697      0.01  Q         |         |         |        V|
   6+10       0.4697      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
```

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          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  02/19/24 File: MESAP10E10024100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10E, 100-YR
2/08/24
--------------------------------------------------------------------------
Drainage Area =       3.91(Ac.)  =      0.006 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       3.91(Ac.)  =
0.006 Sq. Mi.
Length along longest watercourse =     692.00(Ft.)
Length along longest watercourse measured to centroid =     121.00(Ft.)
Length along longest watercourse =      0.131 Mi.
Length along longest watercourse measured to centroid =      0.023 Mi.
Difference in elevation =      61.00(Ft.)
Slope along watercourse =    465.4335 Ft./Mi.
Average Manning's 'N' = 0.035
Lag time =    0.029 Hr.
Lag time =     1.73 Min.
25% of lag time =     0.43 Min.
40% of lag time =     0.69 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        3.91             2.45                    9.58

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        3.91             6.08                   23.77

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     0.900           70.00          0.000
     2.650           84.00          0.000
     0.360           82.00          0.120
 Total Area Entered =      3.91(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
70.0  70.0      0.362     0.000        0.362       0.230      0.083
84.0  84.0      0.198     0.000        0.198       0.678      0.134
82.0  82.0      0.221     0.120        0.197       0.092      0.018
                                                 Sum (F) =   0.236
Area averaged mean soil loss (F) (In/Hr) =  0.236
Minimum soil loss rate ((In/Hr)) =  0.118
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         FOOTHILL S-Curve
-----------------------------------------------------------------------
                  Unit Hydrograph Data
-----------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-----------------------------------------------------------------------
    1   0.083        289.691         56.456             2.225
    2   0.167        579.383         41.186             1.623
    3   0.250        869.074          2.358             0.093
                              Sum = 100.000   Sum=       3.941
-----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.07      0.049       (  0.418)       0.044        0.005
  2   0.17     0.07      0.049       (  0.417)       0.044        0.005
  3   0.25     0.07      0.049       (  0.415)       0.044        0.005
  4   0.33     0.10      0.073       (  0.413)       0.066        0.007
  5   0.42     0.10      0.073       (  0.412)       0.066        0.007
  6   0.50     0.10      0.073       (  0.410)       0.066        0.007
  7   0.58     0.10      0.073       (  0.409)       0.066        0.007
  8   0.67     0.10      0.073       (  0.407)       0.066        0.007
  9   0.75     0.10      0.073       (  0.405)       0.066        0.007
 10   0.83     0.13      0.097       (  0.404)       0.088        0.010
 11   0.92     0.13      0.097       (  0.402)       0.088        0.010
 12   1.00     0.13      0.097       (  0.401)       0.088        0.010
 13   1.08     0.10      0.073       (  0.399)       0.066        0.007
 14   1.17     0.10      0.073       (  0.398)       0.066        0.007
 15   1.25     0.10      0.073       (  0.396)       0.066        0.007
 16   1.33     0.10      0.073       (  0.394)       0.066        0.007
```

17	1.42	0.10	0.073	(0.393)	0.066	0.007
18	1.50	0.10	0.073	(0.391)	0.066	0.007
19	1.58	0.10	0.073	(0.390)	0.066	0.007
20	1.67	0.10	0.073	(0.388)	0.066	0.007
21	1.75	0.10	0.073	(0.387)	0.066	0.007
22	1.83	0.13	0.097	(0.385)	0.088	0.010
23	1.92	0.13	0.097	(0.383)	0.088	0.010
24	2.00	0.13	0.097	(0.382)	0.088	0.010
25	2.08	0.13	0.097	(0.380)	0.088	0.010
26	2.17	0.13	0.097	(0.379)	0.088	0.010
27	2.25	0.13	0.097	(0.377)	0.088	0.010
28	2.33	0.13	0.097	(0.376)	0.088	0.010
29	2.42	0.13	0.097	(0.374)	0.088	0.010
30	2.50	0.13	0.097	(0.373)	0.088	0.010
31	2.58	0.17	0.122	(0.371)	0.109	0.012
32	2.67	0.17	0.122	(0.370)	0.109	0.012
33	2.75	0.17	0.122	(0.368)	0.109	0.012
34	2.83	0.17	0.122	(0.367)	0.109	0.012
35	2.92	0.17	0.122	(0.365)	0.109	0.012
36	3.00	0.17	0.122	(0.364)	0.109	0.012
37	3.08	0.17	0.122	(0.362)	0.109	0.012
38	3.17	0.17	0.122	(0.361)	0.109	0.012
39	3.25	0.17	0.122	(0.359)	0.109	0.012
40	3.33	0.17	0.122	(0.358)	0.109	0.012
41	3.42	0.17	0.122	(0.356)	0.109	0.012
42	3.50	0.17	0.122	(0.355)	0.109	0.012
43	3.58	0.17	0.122	(0.353)	0.109	0.012
44	3.67	0.17	0.122	(0.352)	0.109	0.012
45	3.75	0.17	0.122	(0.350)	0.109	0.012
46	3.83	0.20	0.146	(0.349)	0.131	0.015
47	3.92	0.20	0.146	(0.347)	0.131	0.015
48	4.00	0.20	0.146	(0.346)	0.131	0.015
49	4.08	0.20	0.146	(0.344)	0.131	0.015
50	4.17	0.20	0.146	(0.343)	0.131	0.015
51	4.25	0.20	0.146	(0.341)	0.131	0.015
52	4.33	0.23	0.170	(0.340)	0.153	0.017
53	4.42	0.23	0.170	(0.338)	0.153	0.017
54	4.50	0.23	0.170	(0.337)	0.153	0.017
55	4.58	0.23	0.170	(0.336)	0.153	0.017
56	4.67	0.23	0.170	(0.334)	0.153	0.017
57	4.75	0.23	0.170	(0.333)	0.153	0.017
58	4.83	0.27	0.195	(0.331)	0.175	0.019
59	4.92	0.27	0.195	(0.330)	0.175	0.019
60	5.00	0.27	0.195	(0.328)	0.175	0.019
61	5.08	0.20	0.146	(0.327)	0.131	0.015
62	5.17	0.20	0.146	(0.325)	0.131	0.015
63	5.25	0.20	0.146	(0.324)	0.131	0.015
64	5.33	0.23	0.170	(0.323)	0.153	0.017
65	5.42	0.23	0.170	(0.321)	0.153	0.017
66	5.50	0.23	0.170	(0.320)	0.153	0.017
67	5.58	0.27	0.195	(0.318)	0.175	0.019
68	5.67	0.27	0.195	(0.317)	0.175	0.019
69	5.75	0.27	0.195	(0.316)	0.175	0.019
70	5.83	0.27	0.195	(0.314)	0.175	0.019
71	5.92	0.27	0.195	(0.313)	0.175	0.019
72	6.00	0.27	0.195	(0.311)	0.175	0.019
73	6.08	0.30	0.219	(0.310)	0.197	0.022
74	6.17	0.30	0.219	(0.309)	0.197	0.022
75	6.25	0.30	0.219	(0.307)	0.197	0.022
76	6.33	0.30	0.219	(0.306)	0.197	0.022
77	6.42	0.30	0.219	(0.305)	0.197	0.022
78	6.50	0.30	0.219	(0.303)	0.197	0.022
79	6.58	0.33	0.243	(0.302)	0.219	0.024
80	6.67	0.33	0.243	(0.300)	0.219	0.024
81	6.75	0.33	0.243	(0.299)	0.219	0.024
82	6.83	0.33	0.243	(0.298)	0.219	0.024
83	6.92	0.33	0.243	(0.296)	0.219	0.024
84	7.00	0.33	0.243	(0.295)	0.219	0.024
85	7.08	0.33	0.243	(0.294)	0.219	0.024
86	7.17	0.33	0.243	(0.292)	0.219	0.024
87	7.25	0.33	0.243	(0.291)	0.219	0.024
88	7.33	0.37	0.268	(0.290)	0.241	0.027
89	7.42	0.37	0.268	(0.288)	0.241	0.027
90	7.50	0.37	0.268	(0.287)	0.241	0.027
91	7.58	0.40	0.292	(0.286)	0.263	0.029
92	7.67	0.40	0.292	(0.284)	0.263	0.029
93	7.75	0.40	0.292	(0.283)	0.263	0.029
94	7.83	0.43	0.316	0.282	(0.285)	0.034
95	7.92	0.43	0.316	0.281	(0.285)	0.036
96	8.00	0.43	0.316	0.279	(0.285)	0.037
97	8.08	0.50	0.365	0.278	(0.328)	0.087
98	8.17	0.50	0.365	0.277	(0.328)	0.088
99	8.25	0.50	0.365	0.275	(0.328)	0.089
100	8.33	0.50	0.365	0.274	(0.328)	0.091
101	8.42	0.50	0.365	0.273	(0.328)	0.092
102	8.50	0.50	0.365	0.272	(0.328)	0.093
103	8.58	0.53	0.389	0.270	(0.350)	0.119
104	8.67	0.53	0.389	0.269	(0.350)	0.120
105	8.75	0.53	0.389	0.268	(0.350)	0.121
106	8.83	0.57	0.413	0.266	(0.372)	0.147
107	8.92	0.57	0.413	0.265	(0.372)	0.148
108	9.00	0.57	0.413	0.264	(0.372)	0.150
109	9.08	0.63	0.462	0.263	(0.416)	0.199
110	9.17	0.63	0.462	0.261	(0.416)	0.201
111	9.25	0.63	0.462	0.260	(0.416)	0.202
112	9.33	0.67	0.486	0.259	(0.438)	0.227
113	9.42	0.67	0.486	0.258	(0.438)	0.229
114	9.50	0.67	0.486	0.256	(0.438)	0.230
115	9.58	0.70	0.511	0.255	(0.460)	0.255
116	9.67	0.70	0.511	0.254	(0.460)	0.257
117	9.75	0.70	0.511	0.253	(0.460)	0.258
118	9.83	0.73	0.535	0.252	(0.482)	0.283
119	9.92	0.73	0.535	0.250	(0.482)	0.285
120	10.00	0.73	0.535	0.249	(0.482)	0.286
121	10.08	0.50	0.365	0.248	(0.328)	0.117
122	10.17	0.50	0.365	0.247	(0.328)	0.118
123	10.25	0.50	0.365	0.246	(0.328)	0.119
124	10.33	0.50	0.365	0.244	(0.328)	0.120
125	10.42	0.50	0.365	0.243	(0.328)	0.122
126	10.50	0.50	0.365	0.242	(0.328)	0.123
127	10.58	0.67	0.486	0.241	(0.438)	0.246
128	10.67	0.67	0.486	0.240	(0.438)	0.247
129	10.75	0.67	0.486	0.238	(0.438)	0.248
130	10.83	0.67	0.486	0.237	(0.438)	0.249
131	10.92	0.67	0.486	0.236	(0.438)	0.250
132	11.00	0.67	0.486	0.235	(0.438)	0.251
133	11.08	0.63	0.462	0.234	(0.416)	0.228
134	11.17	0.63	0.462	0.233	(0.416)	0.229
135	11.25	0.63	0.462	0.232	(0.416)	0.231
136	11.33	0.63	0.462	0.230	(0.416)	0.232
137	11.42	0.63	0.462	0.229	(0.416)	0.233
138	11.50	0.63	0.462	0.228	(0.416)	0.234
139	11.58	0.57	0.413	0.227	(0.372)	0.186
140	11.67	0.57	0.413	0.226	(0.372)	0.188

141	11.75	0.57	0.413	0.225	(0.372)	0.189
142	11.83	0.60	0.438	0.224	(0.394)	0.214
143	11.92	0.60	0.438	0.222	(0.394)	0.215
144	12.00	0.60	0.438	0.221	(0.394)	0.216
145	12.08	0.83	0.608	0.220	(0.547)	0.388
146	12.17	0.83	0.608	0.219	(0.547)	0.389
147	12.25	0.83	0.608	0.218	(0.547)	0.390
148	12.33	0.87	0.632	0.217	(0.569)	0.415
149	12.42	0.87	0.632	0.216	(0.569)	0.416
150	12.50	0.87	0.632	0.215	(0.569)	0.418
151	12.58	0.93	0.681	0.214	(0.613)	0.467
152	12.67	0.93	0.681	0.213	(0.613)	0.468
153	12.75	0.93	0.681	0.212	(0.613)	0.469
154	12.83	0.97	0.705	0.210	(0.635)	0.495
155	12.92	0.97	0.705	0.209	(0.635)	0.496
156	13.00	0.97	0.705	0.208	(0.635)	0.497
157	13.08	1.13	0.827	0.207	(0.744)	0.620
158	13.17	1.13	0.827	0.206	(0.744)	0.621
159	13.25	1.13	0.827	0.205	(0.744)	0.622
160	13.33	1.13	0.827	0.204	(0.744)	0.623
161	13.42	1.13	0.827	0.203	(0.744)	0.624
162	13.50	1.13	0.827	0.202	(0.744)	0.625
163	13.58	0.77	0.559	0.201	(0.503)	0.358
164	13.67	0.77	0.559	0.200	(0.503)	0.359
165	13.75	0.77	0.559	0.199	(0.503)	0.360
166	13.83	0.77	0.559	0.198	(0.503)	0.361
167	13.92	0.77	0.559	0.197	(0.503)	0.362
168	14.00	0.77	0.559	0.196	(0.503)	0.363
169	14.08	0.90	0.657	0.195	(0.591)	0.462
170	14.17	0.90	0.657	0.194	(0.591)	0.463
171	14.25	0.90	0.657	0.193	(0.591)	0.464
172	14.33	0.87	0.632	0.192	(0.569)	0.440
173	14.42	0.87	0.632	0.191	(0.569)	0.441
174	14.50	0.87	0.632	0.190	(0.569)	0.442
175	14.58	0.87	0.632	0.189	(0.569)	0.443
176	14.67	0.87	0.632	0.188	(0.569)	0.444
177	14.75	0.87	0.632	0.187	(0.569)	0.445
178	14.83	0.83	0.608	0.186	(0.547)	0.422
179	14.92	0.83	0.608	0.185	(0.547)	0.423
180	15.00	0.83	0.608	0.184	(0.547)	0.424
181	15.08	0.80	0.584	0.183	(0.525)	0.400
182	15.17	0.80	0.584	0.182	(0.525)	0.401
183	15.25	0.80	0.584	0.181	(0.525)	0.402
184	15.33	0.77	0.559	0.181	(0.503)	0.379
185	15.42	0.77	0.559	0.180	(0.503)	0.380
186	15.50	0.77	0.559	0.179	(0.503)	0.381
187	15.58	0.63	0.462	0.178	(0.416)	0.284
188	15.67	0.63	0.462	0.177	(0.416)	0.285
189	15.75	0.63	0.462	0.176	(0.416)	0.286
190	15.83	0.63	0.462	0.175	(0.416)	0.287
191	15.92	0.63	0.462	0.174	(0.416)	0.288
192	16.00	0.63	0.462	0.173	(0.416)	0.289
193	16.08	0.13	0.097	(0.172)	0.088	0.010
194	16.17	0.13	0.097	(0.172)	0.088	0.010
195	16.25	0.13	0.097	(0.171)	0.088	0.010
196	16.33	0.13	0.097	(0.170)	0.088	0.010
197	16.42	0.13	0.097	(0.169)	0.088	0.010
198	16.50	0.13	0.097	(0.168)	0.088	0.010
199	16.58	0.10	0.073	(0.167)	0.066	0.007
200	16.67	0.10	0.073	(0.166)	0.066	0.007
201	16.75	0.10	0.073	(0.165)	0.066	0.007
202	16.83	0.10	0.073	(0.165)	0.066	0.007
203	16.92	0.10	0.073	(0.164)	0.066	0.007
204	17.00	0.10	0.073	(0.163)	0.066	0.007
205	17.08	0.17	0.122	(0.162)	0.109	0.012
206	17.17	0.17	0.122	(0.161)	0.109	0.012
207	17.25	0.17	0.122	(0.161)	0.109	0.012
208	17.33	0.17	0.122	(0.160)	0.109	0.012
209	17.42	0.17	0.122	(0.159)	0.109	0.012
210	17.50	0.17	0.122	(0.158)	0.109	0.012
211	17.58	0.17	0.122	(0.157)	0.109	0.012
212	17.67	0.17	0.122	(0.157)	0.109	0.012
213	17.75	0.17	0.122	(0.156)	0.109	0.012
214	17.83	0.13	0.097	(0.155)	0.088	0.010
215	17.92	0.13	0.097	(0.154)	0.088	0.010
216	18.00	0.13	0.097	(0.153)	0.088	0.010
217	18.08	0.13	0.097	(0.153)	0.088	0.010
218	18.17	0.13	0.097	(0.152)	0.088	0.010
219	18.25	0.13	0.097	(0.151)	0.088	0.010
220	18.33	0.13	0.097	(0.150)	0.088	0.010
221	18.42	0.13	0.097	(0.150)	0.088	0.010
222	18.50	0.13	0.097	(0.149)	0.088	0.010
223	18.58	0.10	0.073	(0.148)	0.066	0.007
224	18.67	0.10	0.073	(0.148)	0.066	0.007
225	18.75	0.10	0.073	(0.147)	0.066	0.007
226	18.83	0.07	0.049	(0.146)	0.044	0.005
227	18.92	0.07	0.049	(0.145)	0.044	0.005
228	19.00	0.07	0.049	(0.145)	0.044	0.005
229	19.08	0.10	0.073	(0.144)	0.066	0.007
230	19.17	0.10	0.073	(0.143)	0.066	0.007
231	19.25	0.10	0.073	(0.143)	0.066	0.007
232	19.33	0.13	0.097	(0.142)	0.088	0.010
233	19.42	0.13	0.097	(0.141)	0.088	0.010
234	19.50	0.13	0.097	(0.141)	0.088	0.010
235	19.58	0.10	0.073	(0.140)	0.066	0.007
236	19.67	0.10	0.073	(0.140)	0.066	0.007
237	19.75	0.10	0.073	(0.139)	0.066	0.007
238	19.83	0.07	0.049	(0.138)	0.044	0.005
239	19.92	0.07	0.049	(0.138)	0.044	0.005
240	20.00	0.07	0.049	(0.137)	0.044	0.005
241	20.08	0.10	0.073	(0.136)	0.066	0.007
242	20.17	0.10	0.073	(0.136)	0.066	0.007
243	20.25	0.10	0.073	(0.135)	0.066	0.007
244	20.33	0.10	0.073	(0.135)	0.066	0.007
245	20.42	0.10	0.073	(0.134)	0.066	0.007
246	20.50	0.10	0.073	(0.133)	0.066	0.007
247	20.58	0.10	0.073	(0.133)	0.066	0.007
248	20.67	0.10	0.073	(0.132)	0.066	0.007
249	20.75	0.10	0.073	(0.132)	0.066	0.007
250	20.83	0.07	0.049	(0.131)	0.044	0.005
251	20.92	0.07	0.049	(0.131)	0.044	0.005
252	21.00	0.07	0.049	(0.130)	0.044	0.005
253	21.08	0.10	0.073	(0.130)	0.066	0.007
254	21.17	0.10	0.073	(0.129)	0.066	0.007
255	21.25	0.10	0.073	(0.129)	0.066	0.007
256	21.33	0.07	0.049	(0.128)	0.044	0.005
257	21.42	0.07	0.049	(0.128)	0.044	0.005
258	21.50	0.07	0.049	(0.127)	0.044	0.005
259	21.58	0.10	0.073	(0.127)	0.066	0.007
260	21.67	0.10	0.073	(0.126)	0.066	0.007
261	21.75	0.10	0.073	(0.126)	0.066	0.007
262	21.83	0.07	0.049	(0.125)	0.044	0.005
263	21.92	0.07	0.049	(0.125)	0.044	0.005
264	22.00	0.07	0.049	(0.125)	0.044	0.005

265	22.08	0.10	0.073	(0.124)	0.066	0.007
266	22.17	0.10	0.073	(0.124)	0.066	0.007
267	22.25	0.10	0.073	(0.123)	0.066	0.007
268	22.33	0.07	0.049	(0.123)	0.044	0.005
269	22.42	0.07	0.049	(0.123)	0.044	0.005
270	22.50	0.07	0.049	(0.122)	0.044	0.005
271	22.58	0.07	0.049	(0.122)	0.044	0.005
272	22.67	0.07	0.049	(0.122)	0.044	0.005
273	22.75	0.07	0.049	(0.121)	0.044	0.005
274	22.83	0.07	0.049	(0.121)	0.044	0.005
275	22.92	0.07	0.049	(0.121)	0.044	0.005
276	23.00	0.07	0.049	(0.120)	0.044	0.005
277	23.08	0.07	0.049	(0.120)	0.044	0.005
278	23.17	0.07	0.049	(0.120)	0.044	0.005
279	23.25	0.07	0.049	(0.119)	0.044	0.005
280	23.33	0.07	0.049	(0.119)	0.044	0.005
281	23.42	0.07	0.049	(0.119)	0.044	0.005
282	23.50	0.07	0.049	(0.119)	0.044	0.005
283	23.58	0.07	0.049	(0.119)	0.044	0.005
284	23.67	0.07	0.049	(0.118)	0.044	0.005
285	23.75	0.07	0.049	(0.118)	0.044	0.005
286	23.83	0.07	0.049	(0.118)	0.044	0.005
287	23.92	0.07	0.049	(0.118)	0.044	0.005
288	24.00	0.07	0.049	(0.118)	0.044	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 31.9

Flood volume = Effective rainfall 2.65(In)
times area 3.9(Ac.)/[(In)/(Ft.)] = 0.9(Ac.Ft)
Total soil loss = 3.43(In)
Total soil loss = 1.116(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 37674.0 Cubic Feet
Total soil loss = 48620.6 Cubic Feet

Peak flow rate of this hydrograph = 2.461(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0003	0.02	Q				
0+20	0.0005	0.02	Q				
0+25	0.0007	0.03	Q				
0+30	0.0009	0.03	Q				
0+35	0.0011	0.03	Q				
0+40	0.0013	0.03	Q				
0+45	0.0015	0.03	Q				
0+50	0.0017	0.03	Q				
0+55	0.0020	0.04	Q				
1+ 0	0.0023	0.04	Q				
1+ 5	0.0025	0.03	Q				
1+10	0.0027	0.03	Q				
1+15	0.0029	0.03	Q				
1+20	0.0031	0.03	Q				
1+25	0.0033	0.03	Q				
1+30	0.0035	0.03	Q				
1+35	0.0037	0.03	Q				
1+40	0.0039	0.03	Q				
1+45	0.0041	0.03	Q				
1+50	0.0043	0.03	Q				
1+55	0.0046	0.04	Q				
2+ 0	0.0048	0.04	Q				
2+ 5	0.0051	0.04	Q				
2+10	0.0054	0.04	Q				
2+15	0.0056	0.04	Q				
2+20	0.0059	0.04	Q				
2+25	0.0062	0.04	Q				
2+30	0.0064	0.04	Q				
2+35	0.0067	0.04	Q				
2+40	0.0070	0.05	Q				
2+45	0.0074	0.05	Q				
2+50	0.0077	0.05	Q				
2+55	0.0080	0.05	Q				
3+ 0	0.0084	0.05	Q				
3+ 5	0.0087	0.05	Q				
3+10	0.0090	0.05	Q				
3+15	0.0094	0.05	Q				
3+20	0.0097	0.05	Q				
3+25	0.0100	0.05	Q				
3+30	0.0103	0.05	Q				
3+35	0.0107	0.05	Q				
3+40	0.0110	0.05	Q				
3+45	0.0113	0.05	Q				
3+50	0.0117	0.05	Q				
3+55	0.0121	0.06	Q				
4+ 0	0.0125	0.06	Q				
4+ 5	0.0129	0.06	Q				
4+10	0.0133	0.06	Q				
4+15	0.0137	0.06	Q				
4+20	0.0141	0.06	Q				
4+25	0.0146	0.07	Q				
4+30	0.0150	0.07	Q				
4+35	0.0155	0.07	Q				
4+40	0.0160	0.07	Q				
4+45	0.0164	0.07	Q				
4+50	0.0169	0.07	Q				
4+55	0.0175	0.08	Q				
5+ 0	0.0180	0.08	Q				
5+ 5	0.0184	0.07	Q				
5+10	0.0188	0.06	Q				
5+15	0.0192	0.06	Q				
5+20	0.0197	0.06	Q				
5+25	0.0201	0.07	Q				
5+30	0.0206	0.07	Q				
5+35	0.0211	0.07	Q				
5+40	0.0216	0.08	Q				
5+45	0.0221	0.08	QV				
5+50	0.0227	0.08	QV				
5+55	0.0232	0.08	QV				
6+ 0	0.0237	0.08	QV				
6+ 5	0.0243	0.08	QV				
6+10	0.0249	0.09	QV				
6+15	0.0255	0.09	QV				
6+20	0.0261	0.09	QV				
6+25	0.0267	0.09	QV				
6+30	0.0273	0.09	QV				
6+35	0.0279	0.09	QV				

6+40	0.0286	0.10	QV	|	|	|	|
6+45	0.0292	0.10	QV	|	|	|	|
6+50	0.0299	0.10	QV	|	|	|	|
6+55	0.0305	0.10	QV	|	|	|	|
7+ 0	0.0312	0.10	QV	|	|	|	|
7+ 5	0.0319	0.10	QV	|	|	|	|
7+10	0.0325	0.10	QV	|	|	|	|
7+15	0.0332	0.10	QV	|	|	|	|
7+20	0.0339	0.10	QV	|	|	|	|
7+25	0.0346	0.11	QV	|	|	|	|
7+30	0.0353	0.11	QV	|	|	|	|
7+35	0.0361	0.11	QV	|	|	|	|
7+40	0.0369	0.11	QV	|	|	|	|
7+45	0.0377	0.12	QV	|	|	|	|
7+50	0.0385	0.13	QV	|	|	|	|
7+55	0.0395	0.14	QV	|	|	|	|
8+ 0	0.0405	0.14	QV	|	|	|	|
8+ 5	0.0422	0.26	|Q	|	|	|	|
8+10	0.0446	0.34	|QV	|	|	|	|
8+15	0.0470	0.35	|QV	|	|	|	|
8+20	0.0495	0.36	|QV	|	|	|	|
8+25	0.0519	0.36	|QV	|	|	|	|
8+30	0.0544	0.37	|QV	|	|	|	|
8+35	0.0574	0.42	|QV	|	|	|	|
8+40	0.0606	0.47	|QV	|	|	|	|
8+45	0.0639	0.48	|QV	|	|	|	|
8+50	0.0676	0.54	| QV	|	|	|	|
8+55	0.0716	0.58	| QV	|	|	|	|
9+ 0	0.0756	0.59	| QV	|	|	|	|
9+ 5	0.0804	0.70	| QV	|	|	|	|
9+10	0.0858	0.78	| Q	|	|	|	|
9+15	0.0913	0.79	| QV	|	|	|	|
9+20	0.0972	0.85	| QV	|	|	|	|
9+25	0.1034	0.90	| QV	|	|	|	|
9+30	0.1096	0.90	| Q V	|	|	|	|
9+35	0.1162	0.96	| Q V	|	|	|	|
9+40	0.1232	1.01	| QV	|	|	|	|
9+45	0.1301	1.01	| Q V	|	|	|	|
9+50	0.1375	1.07	| Q V	|	|	|	|
9+55	0.1452	1.12	| Q V	|	|	|	|
10+ 0	0.1530	1.12	| Q V	|	|	|	|
10+ 5	0.1581	0.75	| Q V	|	|	|	|
10+10	0.1614	0.48	|Q V	|	|	|	|
10+15	0.1647	0.47	|Q V	|	|	|	|
10+20	0.1679	0.47	|Q V	|	|	|	|
10+25	0.1712	0.48	|Q V	|	|	|	|
10+30	0.1745	0.48	|Q V	|	|	|	|
10+35	0.1797	0.76	| Q V	|	|	|	|
10+40	0.1864	0.96	| Q V	|	|	|	|
10+45	0.1931	0.98	| Q V	|	|	|	|
10+50	0.1998	0.98	| Q V	|	|	|	|
10+55	0.2066	0.98	| Q V	|	|	|	|
11+ 0	0.2134	0.99	| Q V	|	|	|	|
11+ 5	0.2199	0.94	| Q V |	|	|	|
11+10	0.2261	0.90	| Q V |	|	|	|
11+15	0.2324	0.91	| Q V |	|	|	|
11+20	0.2386	0.91	| Q |V |	|	|	|
11+25	0.2449	0.92	| Q |V |	|	|	|
11+30	0.2513	0.92	| Q |V |	|	|	|
11+35	0.2569	0.82	| Q |V |	|	|	|
11+40	0.2620	0.74	| Q | V |	|	|	|
11+45	0.2671	0.74	| Q | V |	|	|	|
11+50	0.2726	0.80	| Q | V |	|	|	|
11+55	0.2785	0.84	| Q | V |	|	|	|
12+ 0	0.2843	0.85	| Q | V |	|	|	|
12+ 5	0.2928	1.23	| Q | V |	|	|	|
12+10	0.3033	1.52	| Q | V |	|	|	|
12+15	0.3138	1.54	| Q | V |	|	|	|
12+20	0.3248	1.59	| Q | V |	|	|	|
12+25	0.3361	1.64	| Q | V |	|	|	|
12+30	0.3474	1.64	| Q | V |	|	|	|
12+35	0.3595	1.76	| Q | V |	|	|	|
12+40	0.3722	1.84	| Q | V |	|	|	|
12+45	0.3849	1.85	| Q | V |	|	|	|
12+50	0.3980	1.91	| Q | V |	|	|	|
12+55	0.4115	1.95	| Q | V|	|	|	|
13+ 0	0.4250	1.96	| Q | V|	|	|	|
13+ 5	0.4403	2.23	| Q | V |	|	|	|
13+10	0.4571	2.43	| Q| |V |	|	|	|
13+15	0.4740	2.45	| Q| |V |	|	|	|
13+20	0.4909	2.45	| Q| | V |	|	|	|
13+25	0.5078	2.46	| Q| | V |	|	|	|
13+30	0.5247	2.46	| Q| | V |	|	|	|
13+35	0.5376	1.87	| Q | | V |	|	|	|
13+40	0.5475	1.44	| Q | | V |	|	|	|
13+45	0.5573	1.42	| Q | | V |	|	|	|
13+50	0.5671	1.42	| Q | | V |	|	|	|
13+55	0.5769	1.43	| Q | | V |	|	|	|
14+ 0	0.5868	1.43	| Q | | V |	|	|	|
14+ 5	0.5981	1.65	| Q | | V |	|	|	|
14+10	0.6106	1.81	| Q | | V |	|	|	|
14+15	0.6232	1.83	| Q | | V |	|	|	|
14+20	0.6354	1.78	| Q | | V|	|	|	|
14+25	0.6474	1.74	| Q | | V|	|	|	|
14+30	0.6594	1.74	| Q | | V |	|	|	|
14+35	0.6714	1.75	| Q | | |V |	|	|	|
14+40	0.6835	1.75	| Q | | |V |	|	|	|
14+45	0.6956	1.75	| Q | | | V |	|	|	|
14+50	0.7073	1.70	| Q | | | V |	|	|	|
14+55	0.7188	1.67	| Q | | | V |	|	|	|
15+ 0	0.7303	1.67	| Q | | | V |	|	|	|
15+ 5	0.7414	1.62	| Q | | | V |	|	|	|
15+10	0.7523	1.58	| Q | | | V |	|	|	|
15+15	0.7632	1.58	| Q | | | V |	|	|	|
15+20	0.7738	1.53	| Q | | | V |	|	|	|
15+25	0.7841	1.50	| Q | | | V |	|	|	|
15+30	0.7944	1.50	| Q | | | V |	|	|	|
15+35	0.8033	1.29	| Q | | | V |	|	|	|
15+40	0.8111	1.13	| Q | | | V |	|	|	|
15+45	0.8188	1.13	| Q | | | V |	|	|	|
15+50	0.8266	1.13	| Q | | | V |	|	|	|
15+55	0.8344	1.13	| Q | | | V |	|	|	|
16+ 0	0.8423	1.14	| Q | | | V |	|	|	|
16+ 5	0.8458	0.52	| Q | | | V|	|	|	|
16+10	0.8463	0.06	Q | | | V|	|	|	|
16+15	0.8465	0.04	Q | | | V|	|	|	|
16+20	0.8468	0.04	Q | | | V|	|	|	|
16+25	0.8471	0.04	Q | | | V|	|	|	|
16+30	0.8473	0.04	Q | | | V|	|	|	|
16+35	0.8475	0.03	Q | | | V|	|	|	|
16+40	0.8477	0.03	Q | | | V|	|	|	|
16+45	0.8479	0.03	Q | | | V|	|	|	|
16+50	0.8481	0.03	Q | | | V|	|	|	|
16+55	0.8483	0.03	Q | | | V|	|	|	|

17+ 0	0.8485	0.03	Q	|	|	|	V|
17+ 5	0.8488	0.04	Q	|	|	|	V|
17+10	0.8491	0.05	Q	|	|	|	V|
17+15	0.8495	0.05	Q	|	|	|	V|
17+20	0.8498	0.05	Q	|	|	|	V|
17+25	0.8501	0.05	Q	|	|	|	V|
17+30	0.8505	0.05	Q	|	|	|	V|
17+35	0.8508	0.05	Q	|	|	|	V|
17+40	0.8511	0.05	Q	|	|	|	V|
17+45	0.8515	0.05	Q	|	|	|	V|
17+50	0.8517	0.04	Q	|	|	|	V|
17+55	0.8520	0.04	Q	|	|	|	V|
18+ 0	0.8523	0.04	Q	|	|	|	V|
18+ 5	0.8525	0.04	Q	|	|	|	V|
18+10	0.8528	0.04	Q	|	|	|	V|
18+15	0.8531	0.04	Q	|	|	|	V|
18+20	0.8533	0.04	Q	|	|	|	V|
18+25	0.8536	0.04	Q	|	|	|	V|
18+30	0.8539	0.04	Q	|	|	|	V|
18+35	0.8541	0.03	Q	|	|	|	V|
18+40	0.8543	0.03	Q	|	|	|	V|
18+45	0.8545	0.03	Q	|	|	|	V|
18+50	0.8546	0.02	Q	|	|	|	V|
18+55	0.8548	0.02	Q	|	|	|	V|
19+ 0	0.8549	0.02	Q	|	|	|	V|
19+ 5	0.8551	0.02	Q	|	|	|	V|
19+10	0.8553	0.03	Q	|	|	|	V|
19+15	0.8555	0.03	Q	|	|	|	V|
19+20	0.8557	0.03	Q	|	|	|	V|
19+25	0.8560	0.04	Q	|	|	|	V|
19+30	0.8562	0.04	Q	|	|	|	V|
19+35	0.8565	0.03	Q	|	|	|	V|
19+40	0.8567	0.03	Q	|	|	|	V|
19+45	0.8569	0.03	Q	|	|	|	V|
19+50	0.8570	0.02	Q	|	|	|	V|
19+55	0.8572	0.02	Q	|	|	|	V|
20+ 0	0.8573	0.02	Q	|	|	|	V|
20+ 5	0.8575	0.02	Q	|	|	|	V|
20+10	0.8577	0.03	Q	|	|	|	V|
20+15	0.8579	0.03	Q	|	|	|	V|
20+20	0.8580	0.03	Q	|	|	|	V|
20+25	0.8582	0.03	Q	|	|	|	V|
20+30	0.8584	0.03	Q	|	|	|	V|
20+35	0.8586	0.03	Q	|	|	|	V|
20+40	0.8588	0.03	Q	|	|	|	V|
20+45	0.8590	0.03	Q	|	|	|	V|
20+50	0.8592	0.02	Q	|	|	|	V|
20+55	0.8593	0.02	Q	|	|	|	V|
21+ 0	0.8595	0.02	Q	|	|	|	V|
21+ 5	0.8596	0.02	Q	|	|	|	V|
21+10	0.8598	0.03	Q	|	|	|	V|
21+15	0.8600	0.03	Q	|	|	|	V|
21+20	0.8602	0.02	Q	|	|	|	V|
21+25	0.8603	0.02	Q	|	|	|	V|
21+30	0.8605	0.02	Q	|	|	|	V|
21+35	0.8606	0.02	Q	|	|	|	V|
21+40	0.8608	0.03	Q	|	|	|	V|
21+45	0.8610	0.03	Q	|	|	|	V|
21+50	0.8612	0.02	Q	|	|	|	V|
21+55	0.8613	0.02	Q	|	|	|	V|
22+ 0	0.8614	0.02	Q	|	|	|	V|
22+ 5	0.8616	0.02	Q	|	|	|	V|
22+10	0.8618	0.03	Q	|	|	|	V|
22+15	0.8620	0.03	Q	|	|	|	V|
22+20	0.8622	0.02	Q	|	|	|	V|
22+25	0.8623	0.02	Q	|	|	|	V|
22+30	0.8624	0.02	Q	|	|	|	V|
22+35	0.8626	0.02	Q	|	|	|	V|
22+40	0.8627	0.02	Q	|	|	|	V|
22+45	0.8628	0.02	Q	|	|	|	V|
22+50	0.8630	0.02	Q	|	|	|	V|
22+55	0.8631	0.02	Q	|	|	|	V|
23+ 0	0.8632	0.02	Q	|	|	|	V|
23+ 5	0.8634	0.02	Q	|	|	|	V|
23+10	0.8635	0.02	Q	|	|	|	V|
23+15	0.8636	0.02	Q	|	|	|	V|
23+20	0.8638	0.02	Q	|	|	|	V|
23+25	0.8639	0.02	Q	|	|	|	V|
23+30	0.8640	0.02	Q	|	|	|	V|
23+35	0.8642	0.02	Q	|	|	|	V|
23+40	0.8643	0.02	Q	|	|	|	V|
23+45	0.8644	0.02	Q	|	|	|	V|
23+50	0.8646	0.02	Q	|	|	|	V|
23+55	0.8647	0.02	Q	|	|	|	V|
24+ 0	0.8648	0.02	Q	|	|	|	V|
24+ 5	0.8649	0.01	Q	|	|	|	V|
24+10	0.8649	0.00	Q	|	|	|	V|

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  08/07/24 File: MESAP10F1003100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10F, 100-YR
8/05/24
------------------------------------------------------------------------
Drainage Area =      27.52(Ac.)  =      0.043 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      27.52(Ac.)  =
0.043 Sq. Mi.
Length along longest watercourse =    1325.00(Ft.)
Length along longest watercourse measured to centroid =     698.00(Ft.)
Length along longest watercourse =      0.251 Mi.
Length along longest watercourse measured to centroid =      0.132 Mi.
Difference in elevation =      70.40(Ft.)
Slope along watercourse =    280.5374 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.034 Hr.
Lag time =     2.03 Min.
25% of lag time =     0.51 Min.
40% of lag time =     0.81 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       27.52             0.94                    25.87

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       27.52             1.97                    54.21

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     2.350            92.00          0.900
     4.270            95.00          0.900
     4.880            85.00          0.750
    10.750            92.00          0.750
     4.290            65.00          0.120
     0.480            77.00          0.120
     0.500            82.00          0.120
 Total Area Entered =     27.52(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)      (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900         0.020        0.085      0.002
95.0  95.0      0.065     0.900         0.012        0.155      0.002
85.0  85.0      0.187     0.750         0.061        0.177      0.011
92.0  92.0      0.104     0.750         0.034        0.391      0.013
65.0  65.0      0.416     0.120         0.371        0.156      0.058
77.0  77.0      0.279     0.120         0.249        0.017      0.004
82.0  82.0      0.221     0.120         0.197        0.018      0.004
                                                  Sum (F) =   0.093
Area averaged mean soil loss (F) (In/Hr) =  0.093
Minimum soil loss rate ((In/Hr)) =  0.047
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.370
------------------------------------------------------------------------

                U n i t   H y d r o g r a p h
                        FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        246.450         50.449            13.992
    2   0.167        492.900         45.418            12.597
    3   0.250        739.351          4.134             1.146
                              Sum = 100.000   Sum=      27.735
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)       Max   |   Low          (In/Hr)
  1   0.08     1.30      0.307         0.093    (  0.114)       0.214
  2   0.17     1.30      0.307         0.093    (  0.114)       0.214
  3   0.25     1.10      0.260         0.093    (  0.096)       0.167
  4   0.33     1.50      0.355         0.093    (  0.131)       0.261
  5   0.42     1.50      0.355         0.093    (  0.131)       0.261
  6   0.50     1.80      0.425         0.093    (  0.157)       0.332
  7   0.58     1.50      0.355         0.093    (  0.131)       0.261
  8   0.67     1.80      0.425         0.093    (  0.157)       0.332
```

9	0.75	1.80	0.425	0.093	(0.157)	0.332
10	0.83	1.50	0.355	0.093	(0.131)	0.261
11	0.92	1.60	0.378	0.093	(0.140)	0.285
12	1.00	1.80	0.425	0.093	(0.157)	0.332
13	1.08	2.20	0.520	0.093	(0.192)	0.427
14	1.17	2.20	0.520	0.093	(0.192)	0.427
15	1.25	2.20	0.520	0.093	(0.192)	0.427
16	1.33	2.00	0.473	0.093	(0.175)	0.379
17	1.42	2.60	0.615	0.093	(0.227)	0.521
18	1.50	2.70	0.638	0.093	(0.236)	0.545
19	1.58	2.40	0.567	0.093	(0.210)	0.474
20	1.67	2.70	0.638	0.093	(0.236)	0.545
21	1.75	3.30	0.780	0.093	(0.289)	0.687
22	1.83	3.10	0.733	0.093	(0.271)	0.639
23	1.92	2.90	0.685	0.093	(0.254)	0.592
24	2.00	3.00	0.709	0.093	(0.262)	0.616
25	2.08	3.10	0.733	0.093	(0.271)	0.639
26	2.17	4.20	0.993	0.093	(0.367)	0.899
27	2.25	5.00	1.182	0.093	(0.437)	1.088
28	2.33	3.50	0.827	0.093	(0.306)	0.734
29	2.42	6.80	1.607	0.093	(0.595)	1.514
30	2.50	7.30	1.726	0.093	(0.638)	1.632
31	2.58	8.20	1.938	0.093	(0.717)	1.845
32	2.67	5.90	1.395	0.093	(0.516)	1.301
33	2.75	2.00	0.473	0.093	(0.175)	0.379
34	2.83	1.80	0.425	0.093	(0.157)	0.332
35	2.92	1.80	0.425	0.093	(0.157)	0.332
36	3.00	0.60	0.142	(0.093)	0.052	0.089

(Loss Rate Not Used)

Sum = 100.0 Sum = 20.3

Flood volume = Effective rainfall 1.69(In)
times area 27.5(Ac.)/[(In)/(Ft.)] = 3.9(Ac.Ft)
Total soil loss = 0.28(In)
Total soil loss = 0.635(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 169135.4 Cubic Feet
Total soil loss = 27639.1 Cubic Feet

Peak flow rate of this hydrograph = 48.134(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0206	2.99	V Q	|	|	|	|
0+10	0.0598	5.69	V Q	|	|	|	|
0+15	0.0961	5.27	V Q	|	|	|	|
0+20	0.1375	6.00	|V Q	|	|	|	|
0+25	0.1867	7.14	|V Q	|	|	|	|
0+30	0.2434	8.24	| V Q	|	|	|	|
0+35	0.2995	8.14	| V Q	|	|	|	|
0+40	0.3568	8.32	| V Q	|	|	|	|
0+45	0.4197	9.13	| V Q	|	|	|	|
0+50	0.4763	8.22	| V Q	|	|	|	|
0+55	0.5291	7.66	| VQ	|	|	|	|
1+ 0	0.5879	8.54	| Q	|	|	|	|
1+ 5	0.6601	10.49	| V Q	|	|	|	|
1+10	0.7409	11.73	| V Q|	|	|	|	|
1+15	0.8224	11.84	| VQ|	|	|	|	|
1+20	0.8994	11.18	| QV|	|	|	|	|
1+25	0.9860	12.57	| Q	|	|	|	|
1+30	1.0867	14.63	| |Q	|	|	|	|
1+35	1.1838	14.10	| |QV	|	|	|	|
1+40	1.2818	14.23	| |Q V	|	|	|	|
1+45	1.3991	17.02	| | QV	|	|	|	|
1+50	1.5246	18.23	| | QV	|	|	|	|
1+55	1.6426	17.14	| | Q V	|	|	|	|
2+ 0	1.7584	16.82	| | Q V |	|	|	|
2+ 5	1.8782	17.39	| | Q V|	|	|	|
2+10	2.0253	21.36	| | Q V	|	|	|	|
2+15	2.2133	27.31	| | |QV	|	|	|	|
2+20	2.3857	25.02	| | Q V	|	|	|	|
2+25	2.6039	31.69	| | | QV	|	|	|	|
2+30	2.8985	42.77	| | | V| Q	|	|	|	|
2+35	3.2300	48.13	| | | | V Q	|	|	|	|
2+40	3.5285	43.34	| | | | Q V	|	|	|	|
2+45	3.6926	23.83	| | | Q| |	|	|	V	|
2+50	3.7678	10.92	| | Q | |	|	|	V	|
2+55	3.8317	9.27	| | Q | |	|	|	V|	|
3+ 0	3.8717	5.82	| Q | |	|	|	V|	|
3+ 5	3.8821	1.51	|Q | |	|	|	V|	|
3+10	3.8828	0.10	Q | |	|	|	V	|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/07/24 File: MESAP10F1006100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10F, 100-YR
8/05/24

Drainage Area = 27.52(Ac.) = 0.043 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 27.52(Ac.) = 0.043 Sq. Mi.
Length along longest watercourse = 1325.00(Ft.)
Length along longest watercourse measured to centroid = 698.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.132 Mi.
Difference in elevation = 70.40(Ft.)
Slope along watercourse = 280.5374 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.034 Hr.
Lag time = 2.03 Min.
25% of lag time = 0.51 Min.
40% of lag time = 0.81 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
27.52	1.35	37.15

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
27.52	2.78	76.51

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.350(In)
Area Averaged 100-Year Rainfall = 2.780(In)

Point rain (area averaged) = 2.780(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.780(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.350	92.00	0.900
4.270	95.00	0.900
4.880	85.00	0.750
10.750	92.00	0.750
4.290	65.00	0.120
0.480	77.00	0.120
0.500	82.00	0.120

Total Area Entered = 27.52(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
92.0	92.0	0.104	0.900	0.020	0.085	0.002
95.0	95.0	0.065	0.900	0.012	0.155	0.002
85.0	85.0	0.187	0.750	0.061	0.177	0.011
92.0	92.0	0.104	0.750	0.034	0.391	0.013
65.0	65.0	0.416	0.120	0.371	0.156	0.058
77.0	77.0	0.279	0.120	0.249	0.017	0.004
82.0	82.0	0.221	0.120	0.197	0.018	0.004
					Sum (F) =	0.093

Area averaged mean soil loss (F) (In/Hr) = 0.093
Minimum soil loss rate ((In/Hr)) = 0.047
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.370

U n i t H y d r o g r a p h
FOOTHILL S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	246.450	50.449	13.992
2	0.167	492.900	45.418	12.597
3	0.250	739.351	4.134	1.146
		Sum = 100.000	Sum=	27.735

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.167	(0.093)	0.062	0.105
2	0.17	0.60	0.200	(0.093)	0.074	0.126
3	0.25	0.60	0.200	(0.093)	0.074	0.126
4	0.33	0.60	0.200	(0.093)	0.074	0.126
5	0.42	0.60	0.200	(0.093)	0.074	0.126
6	0.50	0.70	0.233	(0.093)	0.086	0.147
7	0.58	0.70	0.233	(0.093)	0.086	0.147
8	0.67	0.70	0.233	(0.093)	0.086	0.147

9	0.75	0.70	0.233	(0.093)	0.086	0.147
10	0.83	0.70	0.233	(0.093)	0.086	0.147
11	0.92	0.70	0.233	(0.093)	0.086	0.147
12	1.00	0.80	0.267	0.093	(0.099)	0.173
13	1.08	0.80	0.267	0.093	(0.099)	0.173
14	1.17	0.80	0.267	0.093	(0.099)	0.173
15	1.25	0.80	0.267	0.093	(0.099)	0.173
16	1.33	0.80	0.267	0.093	(0.099)	0.173
17	1.42	0.80	0.267	0.093	(0.099)	0.173
18	1.50	0.80	0.267	0.093	(0.099)	0.173
19	1.58	0.80	0.267	0.093	(0.099)	0.173
20	1.67	0.80	0.267	0.093	(0.099)	0.173
21	1.75	0.80	0.267	0.093	(0.099)	0.173
22	1.83	0.80	0.267	0.093	(0.099)	0.173
23	1.92	0.80	0.267	0.093	(0.099)	0.173
24	2.00	0.90	0.300	0.093	(0.111)	0.207
25	2.08	0.80	0.267	0.093	(0.099)	0.173
26	2.17	0.90	0.300	0.093	(0.111)	0.207
27	2.25	0.90	0.300	0.093	(0.111)	0.207
28	2.33	0.90	0.300	0.093	(0.111)	0.207
29	2.42	0.90	0.300	0.093	(0.111)	0.207
30	2.50	0.90	0.300	0.093	(0.111)	0.207
31	2.58	0.90	0.300	0.093	(0.111)	0.207
32	2.67	0.90	0.300	0.093	(0.111)	0.207
33	2.75	1.00	0.334	0.093	(0.123)	0.240
34	2.83	1.00	0.334	0.093	(0.123)	0.240
35	2.92	1.00	0.334	0.093	(0.123)	0.240
36	3.00	1.00	0.334	0.093	(0.123)	0.240
37	3.08	1.00	0.334	0.093	(0.123)	0.240
38	3.17	1.10	0.367	0.093	(0.136)	0.274
39	3.25	1.10	0.367	0.093	(0.136)	0.274
40	3.33	1.10	0.367	0.093	(0.136)	0.274
41	3.42	1.20	0.400	0.093	(0.148)	0.307
42	3.50	1.30	0.434	0.093	(0.160)	0.340
43	3.58	1.40	0.467	0.093	(0.173)	0.374
44	3.67	1.40	0.467	0.093	(0.173)	0.374
45	3.75	1.50	0.500	0.093	(0.185)	0.407
46	3.83	1.50	0.500	0.093	(0.185)	0.407
47	3.92	1.60	0.534	0.093	(0.197)	0.440
48	4.00	1.60	0.534	0.093	(0.197)	0.440
49	4.08	1.70	0.567	0.093	(0.210)	0.474
50	4.17	1.80	0.600	0.093	(0.222)	0.507
51	4.25	1.90	0.634	0.093	(0.234)	0.540
52	4.33	2.00	0.667	0.093	(0.247)	0.574
53	4.42	2.10	0.700	0.093	(0.259)	0.607
54	4.50	2.10	0.700	0.093	(0.259)	0.607
55	4.58	2.20	0.734	0.093	(0.272)	0.640
56	4.67	2.30	0.767	0.093	(0.284)	0.674
57	4.75	2.40	0.801	0.093	(0.296)	0.707
58	4.83	2.40	0.801	0.093	(0.296)	0.707
59	4.92	2.50	0.834	0.093	(0.309)	0.741
60	5.00	2.60	0.867	0.093	(0.321)	0.774
61	5.08	3.10	1.034	0.093	(0.383)	0.941
62	5.17	3.60	1.201	0.093	(0.444)	1.107
63	5.25	3.90	1.301	0.093	(0.481)	1.208
64	5.33	4.20	1.401	0.093	(0.518)	1.308
65	5.42	4.70	1.568	0.093	(0.580)	1.474
66	5.50	5.60	1.868	0.093	(0.691)	1.775
67	5.58	1.90	0.634	0.093	(0.234)	0.540
68	5.67	0.90	0.300	0.093	(0.111)	0.207
69	5.75	0.60	0.200	(0.093)	0.074	0.126
70	5.83	0.50	0.167	(0.093)	0.062	0.105
71	5.92	0.30	0.100	(0.093)	0.037	0.063
72	6.00	0.20	0.067	(0.093)	0.025	0.042

(Loss Rate Not Used)

Sum = 100.0 Sum = 27.0

Flood volume = Effective rainfall 2.25(In)
times area 27.5(Ac.)/[(In)/(Ft.)] = 5.2(Ac.Ft)
Total soil loss = 0.53(In)
Total soil loss = 1.222(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 224449.4 Cubic Feet
Total soil loss = 53239.7 Cubic Feet

Peak flow rate of this hydrograph = 44.925(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0101	1.47	VQ				
0+10	0.0314	3.09	V Q				
0+15	0.0553	3.47	V Q				
0+20	0.0794	3.50	V Q				
0+25	0.1035	3.50	V Q				
0+30	0.1297	3.79	|V Q				
0+35	0.1576	4.06	|V Q				
0+40	0.1857	4.08	|V Q				
0+45	0.2138	4.08	|V Q				
0+50	0.2419	4.08	|V Q				
0+55	0.2701	4.08	| VQ				
1+ 0	0.3007	4.45	| VQ				
1+ 5	0.3337	4.78	| VQ				
1+10	0.3668	4.81	| VQ				
1+15	0.4000	4.81	| Q				
1+20	0.4331	4.81	| Q				
1+25	0.4663	4.81	| Q				
1+30	0.4994	4.81	| Q				
1+35	0.5326	4.81	| QV				
1+40	0.5658	4.81	| QV				
1+45	0.5989	4.81	| QV				
1+50	0.6321	4.81	| QV				
1+55	0.6652	4.81	| Q V				
2+ 0	0.7016	5.28	| QV				
2+ 5	0.7377	5.23	| QV				
2+10	0.7743	5.32	| Q V				
2+15	0.8136	5.70	| Q V				
2+20	0.8531	5.74	| Q V				
2+25	0.8926	5.74	| Q V				
2+30	0.9322	5.74	| Q V				
2+35	0.9717	5.74	| Q V				
2+40	1.0112	5.74	| Q V				
2+45	1.0540	6.21	| Q V				
2+50	1.0996	6.63	| Q V				
2+55	1.1455	6.67	| Q V				
3+ 0	1.1914	6.67	| Q V|				
3+ 5	1.2373	6.67	| Q V|				
3+10	1.2864	7.13	| Q V|				
3+15	1.3385	7.55	| Q V				

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   3+20       1.3907      7.59  |     Q   V         |          |          |
   3+25       1.4462      8.06  |     Q   |V        |          |          |
   3+30       1.5079      8.95  |      Q  |V        |          |          |
   3+35       1.5758      9.87  |      Q  | V       |          |          |
   3+40       1.6470     10.33  |       Q | V       |          |          |
   3+45       1.7216     10.84  |       Q |  V      |          |          |
   3+50       1.7991     11.26  |        Q|  V      |          |          |
   3+55       1.8801     11.76  |        Q|   V     |          |          |
   4+ 0       1.9640     12.18  |        Q|    V    |          |          |
   4+ 5       2.0514     12.69  |         Q    V    |          |          |
   4+10       2.1449     13.57  |         Q     V   |          |          |
   4+15       2.2447     14.50  |          |Q     V  |          |          |
   4+20       2.3509     15.42  |          | Q     V |          |          |
   4+25       2.4636     16.35  |          |  Q     V|          |          |
   4+30       2.5793     16.81  |          |  Q      V          |          |
   4+35       2.6986     17.31  |          |  Q      V          |          |
   4+40       2.8239     18.20  |          |   Q     |V         |          |
   4+45       2.9557     19.13  |          |    Q    | V       |          |
   4+50       3.0905     19.59  |          |    Q    |  V      |          |
   4+55       3.2289     20.09  |          |     Q   |    V    |          |
   5+ 0       3.3734     20.98  |          |     Q   |     V   |          |
   5+ 5       3.5371     23.77  |          |        Q|      V  |          |
   5+10       3.7317     28.25  |          |         | Q     V |          |
   5+15       3.9516     31.94  |          |         |    Q    V          |
   5+20       4.1913     34.80  |          |         |      Q  | V        |
   5+25       4.4565     38.51  |          |         |         Q   V      |
   5+30       4.7659     44.93  |          |         |          |   QV    |
   5+35       4.9837     31.62  |          |         |    Q     |       V |
   5+40       5.0645     11.74  |         Q|         |          |        V|
   5+45       5.0989      4.99  |  Q       |         |          |        V|
   5+50       5.1216      3.30  | Q        |         |          |        V|
   5+55       5.1378      2.35  |Q         |         |          |        V|
   6+ 0       5.1482      1.50  |Q         |         |          |        V|
   6+ 5       5.1523      0.60  Q          |         |          |        V|
   6+10       5.1526      0.05  Q          |         |          |        V|
-------------------------------------------------------------------------
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          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  08/07/24 File: MESAP10F10024100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10F, 100-YR
8/05/24
------------------------------------------------------------------------
Drainage Area =      27.52(Ac.)  =      0.043 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      27.52(Ac.)  =
0.043 Sq. Mi.
Length along longest watercourse =    1325.00(Ft.)
Length along longest watercourse measured to centroid =     698.00(Ft.)
Length along longest watercourse =      0.251 Mi.
Length along longest watercourse measured to centroid =      0.132 Mi.
Difference in elevation =      70.40(Ft.)
Slope along watercourse =    280.5374 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.034 Hr.
Lag time =     2.03 Min.
25% of lag time =     0.51 Min.
40% of lag time =     0.81 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       27.52              2.45                   67.42

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       27.52              6.08                  167.32

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
     2.350            92.00          0.900
     4.270            95.00          0.900
     4.880            85.00          0.750
    10.750            92.00          0.750
     4.290            65.00          0.120
     0.480            77.00          0.120
     0.500            82.00          0.120
 Total Area Entered =     27.52(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)      (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900         0.020        0.085      0.002
95.0  95.0      0.065     0.900         0.012        0.155      0.002
85.0  85.0      0.187     0.750         0.061        0.177      0.011
92.0  92.0      0.104     0.750         0.034        0.391      0.013
65.0  65.0      0.416     0.120         0.371        0.156      0.058
77.0  77.0      0.279     0.120         0.249        0.017      0.004
82.0  82.0      0.221     0.120         0.197        0.018      0.004
                                                  Sum (F) =   0.093
Area averaged mean soil loss (F) (In/Hr) =  0.093
Minimum soil loss rate ((In/Hr)) =  0.047
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.370
------------------------------------------------------------------------

                U n i t   H y d r o g r a p h
                        FOOTHILL S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
-------------------------------------------------------------------
    1   0.083        246.450         50.449            13.992
    2   0.167        492.900         45.418            12.597
    3   0.250        739.351          4.134             1.146
                              Sum = 100.000   Sum=      27.735
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)        Max   |   Low          (In/Hr)
   1   0.08     0.07      0.049       (  0.166)       0.018        0.031
   2   0.17     0.07      0.049       (  0.165)       0.018        0.031
   3   0.25     0.07      0.049       (  0.164)       0.018        0.031
   4   0.33     0.10      0.073       (  0.164)       0.027        0.046
   5   0.42     0.10      0.073       (  0.163)       0.027        0.046
   6   0.50     0.10      0.073       (  0.162)       0.027        0.046
   7   0.58     0.10      0.073       (  0.162)       0.027        0.046
   8   0.67     0.10      0.073       (  0.161)       0.027        0.046
```

9	0.75	0.10	0.073	(0.160)	0.027	0.046
10	0.83	0.13	0.097	(0.160)	0.036	0.061
11	0.92	0.13	0.097	(0.159)	0.036	0.061
12	1.00	0.13	0.097	(0.159)	0.036	0.061
13	1.08	0.10	0.073	(0.158)	0.027	0.046
14	1.17	0.10	0.073	(0.157)	0.027	0.046
15	1.25	0.10	0.073	(0.157)	0.027	0.046
16	1.33	0.10	0.073	(0.156)	0.027	0.046
17	1.42	0.10	0.073	(0.155)	0.027	0.046
18	1.50	0.10	0.073	(0.155)	0.027	0.046
19	1.58	0.10	0.073	(0.154)	0.027	0.046
20	1.67	0.10	0.073	(0.154)	0.027	0.046
21	1.75	0.10	0.073	(0.153)	0.027	0.046
22	1.83	0.13	0.097	(0.152)	0.036	0.061
23	1.92	0.13	0.097	(0.152)	0.036	0.061
24	2.00	0.13	0.097	(0.151)	0.036	0.061
25	2.08	0.13	0.097	(0.150)	0.036	0.061
26	2.17	0.13	0.097	(0.150)	0.036	0.061
27	2.25	0.13	0.097	(0.149)	0.036	0.061
28	2.33	0.13	0.097	(0.149)	0.036	0.061
29	2.42	0.13	0.097	(0.148)	0.036	0.061
30	2.50	0.13	0.097	(0.147)	0.036	0.061
31	2.58	0.17	0.122	(0.147)	0.045	0.077
32	2.67	0.17	0.122	(0.146)	0.045	0.077
33	2.75	0.17	0.122	(0.146)	0.045	0.077
34	2.83	0.17	0.122	(0.145)	0.045	0.077
35	2.92	0.17	0.122	(0.144)	0.045	0.077
36	3.00	0.17	0.122	(0.144)	0.045	0.077
37	3.08	0.17	0.122	(0.143)	0.045	0.077
38	3.17	0.17	0.122	(0.143)	0.045	0.077
39	3.25	0.17	0.122	(0.142)	0.045	0.077
40	3.33	0.17	0.122	(0.141)	0.045	0.077
41	3.42	0.17	0.122	(0.141)	0.045	0.077
42	3.50	0.17	0.122	(0.140)	0.045	0.077
43	3.58	0.17	0.122	(0.140)	0.045	0.077
44	3.67	0.17	0.122	(0.139)	0.045	0.077
45	3.75	0.17	0.122	(0.139)	0.045	0.077
46	3.83	0.20	0.146	(0.138)	0.054	0.092
47	3.92	0.20	0.146	(0.137)	0.054	0.092
48	4.00	0.20	0.146	(0.137)	0.054	0.092
49	4.08	0.20	0.146	(0.136)	0.054	0.092
50	4.17	0.20	0.146	(0.136)	0.054	0.092
51	4.25	0.20	0.146	(0.135)	0.054	0.092
52	4.33	0.23	0.170	(0.134)	0.063	0.107
53	4.42	0.23	0.170	(0.134)	0.063	0.107
54	4.50	0.23	0.170	(0.133)	0.063	0.107
55	4.58	0.23	0.170	(0.133)	0.063	0.107
56	4.67	0.23	0.170	(0.132)	0.063	0.107
57	4.75	0.23	0.170	(0.132)	0.063	0.107
58	4.83	0.27	0.195	(0.131)	0.072	0.123
59	4.92	0.27	0.195	(0.130)	0.072	0.123
60	5.00	0.27	0.195	(0.130)	0.072	0.123
61	5.08	0.20	0.146	(0.129)	0.054	0.092
62	5.17	0.20	0.146	(0.129)	0.054	0.092
63	5.25	0.20	0.146	(0.128)	0.054	0.092
64	5.33	0.23	0.170	(0.128)	0.063	0.107
65	5.42	0.23	0.170	(0.127)	0.063	0.107
66	5.50	0.23	0.170	(0.127)	0.063	0.107
67	5.58	0.27	0.195	(0.126)	0.072	0.123
68	5.67	0.27	0.195	(0.125)	0.072	0.123
69	5.75	0.27	0.195	(0.125)	0.072	0.123
70	5.83	0.27	0.195	(0.124)	0.072	0.123
71	5.92	0.27	0.195	(0.124)	0.072	0.123
72	6.00	0.27	0.195	(0.123)	0.072	0.123
73	6.08	0.30	0.219	(0.123)	0.081	0.138
74	6.17	0.30	0.219	(0.122)	0.081	0.138
75	6.25	0.30	0.219	(0.122)	0.081	0.138
76	6.33	0.30	0.219	(0.121)	0.081	0.138
77	6.42	0.30	0.219	(0.121)	0.081	0.138
78	6.50	0.30	0.219	(0.120)	0.081	0.138
79	6.58	0.33	0.243	(0.119)	0.090	0.153
80	6.67	0.33	0.243	(0.119)	0.090	0.153
81	6.75	0.33	0.243	(0.118)	0.090	0.153
82	6.83	0.33	0.243	(0.118)	0.090	0.153
83	6.92	0.33	0.243	(0.117)	0.090	0.153
84	7.00	0.33	0.243	(0.117)	0.090	0.153
85	7.08	0.33	0.243	(0.116)	0.090	0.153
86	7.17	0.33	0.243	(0.116)	0.090	0.153
87	7.25	0.33	0.243	(0.115)	0.090	0.153
88	7.33	0.37	0.268	(0.115)	0.099	0.169
89	7.42	0.37	0.268	(0.114)	0.099	0.169
90	7.50	0.37	0.268	(0.114)	0.099	0.169
91	7.58	0.40	0.292	(0.113)	0.108	0.184
92	7.67	0.40	0.292	(0.113)	0.108	0.184
93	7.75	0.40	0.292	(0.112)	0.108	0.184
94	7.83	0.43	0.316	0.112	(0.117)	0.205
95	7.92	0.43	0.316	0.111	(0.117)	0.205
96	8.00	0.43	0.316	0.110	(0.117)	0.206
97	8.08	0.50	0.365	0.110	(0.135)	0.255
98	8.17	0.50	0.365	0.109	(0.135)	0.255
99	8.25	0.50	0.365	0.109	(0.135)	0.256
100	8.33	0.50	0.365	0.108	(0.135)	0.256
101	8.42	0.50	0.365	0.108	(0.135)	0.257
102	8.50	0.50	0.365	0.107	(0.135)	0.257
103	8.58	0.53	0.389	0.107	(0.144)	0.282
104	8.67	0.53	0.389	0.106	(0.144)	0.283
105	8.75	0.53	0.389	0.106	(0.144)	0.283
106	8.83	0.57	0.413	0.105	(0.153)	0.308
107	8.92	0.57	0.413	0.105	(0.153)	0.308
108	9.00	0.57	0.413	0.104	(0.153)	0.309
109	9.08	0.63	0.462	0.104	(0.171)	0.358
110	9.17	0.63	0.462	0.103	(0.171)	0.359
111	9.25	0.63	0.462	0.103	(0.171)	0.359
112	9.33	0.67	0.486	0.102	(0.180)	0.384
113	9.42	0.67	0.486	0.102	(0.180)	0.384
114	9.50	0.67	0.486	0.101	(0.180)	0.385
115	9.58	0.70	0.511	0.101	(0.189)	0.410
116	9.67	0.70	0.511	0.101	(0.189)	0.410
117	9.75	0.70	0.511	0.100	(0.189)	0.411
118	9.83	0.73	0.535	0.100	(0.198)	0.435
119	9.92	0.73	0.535	0.099	(0.198)	0.436
120	10.00	0.73	0.535	0.099	(0.198)	0.436
121	10.08	0.50	0.365	0.098	(0.135)	0.267
122	10.17	0.50	0.365	0.098	(0.135)	0.267
123	10.25	0.50	0.365	0.097	(0.135)	0.268
124	10.33	0.50	0.365	0.097	(0.135)	0.268
125	10.42	0.50	0.365	0.096	(0.135)	0.269
126	10.50	0.50	0.365	0.096	(0.135)	0.269
127	10.58	0.67	0.486	0.095	(0.180)	0.391
128	10.67	0.67	0.486	0.095	(0.180)	0.392
129	10.75	0.67	0.486	0.094	(0.180)	0.392
130	10.83	0.67	0.486	0.094	(0.180)	0.392
131	10.92	0.67	0.486	0.093	(0.180)	0.393
132	11.00	0.67	0.486	0.093	(0.180)	0.393

133	11.08	0.63	0.462	0.093	(0.171)	0.370
134	11.17	0.63	0.462	0.092	(0.171)	0.370
135	11.25	0.63	0.462	0.092	(0.171)	0.370
136	11.33	0.63	0.462	0.091	(0.171)	0.371
137	11.42	0.63	0.462	0.091	(0.171)	0.371
138	11.50	0.63	0.462	0.090	(0.171)	0.372
139	11.58	0.57	0.413	0.090	(0.153)	0.324
140	11.67	0.57	0.413	0.089	(0.153)	0.324
141	11.75	0.57	0.413	0.089	(0.153)	0.325
142	11.83	0.60	0.438	0.088	(0.162)	0.349
143	11.92	0.60	0.438	0.088	(0.162)	0.350
144	12.00	0.60	0.438	0.088	(0.162)	0.350
145	12.08	0.83	0.608	0.087	(0.225)	0.521
146	12.17	0.83	0.608	0.087	(0.225)	0.521
147	12.25	0.83	0.608	0.086	(0.225)	0.522
148	12.33	0.87	0.632	0.086	(0.234)	0.546
149	12.42	0.87	0.632	0.085	(0.234)	0.547
150	12.50	0.87	0.632	0.085	(0.234)	0.547
151	12.58	0.93	0.681	0.085	(0.252)	0.596
152	12.67	0.93	0.681	0.084	(0.252)	0.597
153	12.75	0.93	0.681	0.084	(0.252)	0.597
154	12.83	0.97	0.705	0.083	(0.261)	0.622
155	12.92	0.97	0.705	0.083	(0.261)	0.622
156	13.00	0.97	0.705	0.082	(0.261)	0.623
157	13.08	1.13	0.827	0.082	(0.306)	0.745
158	13.17	1.13	0.827	0.082	(0.306)	0.745
159	13.25	1.13	0.827	0.081	(0.306)	0.746
160	13.33	1.13	0.827	0.081	(0.306)	0.746
161	13.42	1.13	0.827	0.080	(0.306)	0.746
162	13.50	1.13	0.827	0.080	(0.306)	0.747
163	13.58	0.77	0.559	0.080	(0.207)	0.480
164	13.67	0.77	0.559	0.079	(0.207)	0.480
165	13.75	0.77	0.559	0.079	(0.207)	0.481
166	13.83	0.77	0.559	0.078	(0.207)	0.481
167	13.92	0.77	0.559	0.078	(0.207)	0.481
168	14.00	0.77	0.559	0.078	(0.207)	0.482
169	14.08	0.90	0.657	0.077	(0.243)	0.579
170	14.17	0.90	0.657	0.077	(0.243)	0.580
171	14.25	0.90	0.657	0.076	(0.243)	0.580
172	14.33	0.87	0.632	0.076	(0.234)	0.556
173	14.42	0.87	0.632	0.076	(0.234)	0.557
174	14.50	0.87	0.632	0.075	(0.234)	0.557
175	14.58	0.87	0.632	0.075	(0.234)	0.557
176	14.67	0.87	0.632	0.074	(0.234)	0.558
177	14.75	0.87	0.632	0.074	(0.234)	0.558
178	14.83	0.83	0.608	0.074	(0.225)	0.534
179	14.92	0.83	0.608	0.073	(0.225)	0.535
180	15.00	0.83	0.608	0.073	(0.225)	0.535
181	15.08	0.80	0.584	0.073	(0.216)	0.511
182	15.17	0.80	0.584	0.072	(0.216)	0.511
183	15.25	0.80	0.584	0.072	(0.216)	0.512
184	15.33	0.77	0.559	0.071	(0.207)	0.488
185	15.42	0.77	0.559	0.071	(0.207)	0.488
186	15.50	0.77	0.559	0.071	(0.207)	0.489
187	15.58	0.63	0.462	0.070	(0.171)	0.392
188	15.67	0.63	0.462	0.070	(0.171)	0.392
189	15.75	0.63	0.462	0.070	(0.171)	0.392
190	15.83	0.63	0.462	0.069	(0.171)	0.393
191	15.92	0.63	0.462	0.069	(0.171)	0.393
192	16.00	0.63	0.462	0.069	(0.171)	0.393
193	16.08	0.13	0.097	(0.068)	0.036	0.061
194	16.17	0.13	0.097	(0.068)	0.036	0.061
195	16.25	0.13	0.097	(0.068)	0.036	0.061
196	16.33	0.13	0.097	(0.067)	0.036	0.061
197	16.42	0.13	0.097	(0.067)	0.036	0.061
198	16.50	0.13	0.097	(0.066)	0.036	0.061
199	16.58	0.10	0.073	(0.066)	0.027	0.046
200	16.67	0.10	0.073	(0.066)	0.027	0.046
201	16.75	0.10	0.073	(0.065)	0.027	0.046
202	16.83	0.10	0.073	(0.065)	0.027	0.046
203	16.92	0.10	0.073	(0.065)	0.027	0.046
204	17.00	0.10	0.073	(0.064)	0.027	0.046
205	17.08	0.17	0.122	(0.064)	0.045	0.077
206	17.17	0.17	0.122	(0.064)	0.045	0.077
207	17.25	0.17	0.122	(0.064)	0.045	0.077
208	17.33	0.17	0.122	(0.063)	0.045	0.077
209	17.42	0.17	0.122	(0.063)	0.045	0.077
210	17.50	0.17	0.122	(0.063)	0.045	0.077
211	17.58	0.17	0.122	(0.062)	0.045	0.077
212	17.67	0.17	0.122	(0.062)	0.045	0.077
213	17.75	0.17	0.122	(0.062)	0.045	0.077
214	17.83	0.13	0.097	(0.061)	0.036	0.061
215	17.92	0.13	0.097	(0.061)	0.036	0.061
216	18.00	0.13	0.097	(0.061)	0.036	0.061
217	18.08	0.13	0.097	(0.060)	0.036	0.061
218	18.17	0.13	0.097	(0.060)	0.036	0.061
219	18.25	0.13	0.097	(0.060)	0.036	0.061
220	18.33	0.13	0.097	(0.060)	0.036	0.061
221	18.42	0.13	0.097	(0.059)	0.036	0.061
222	18.50	0.13	0.097	(0.059)	0.036	0.061
223	18.58	0.10	0.073	(0.059)	0.027	0.046
224	18.67	0.10	0.073	(0.058)	0.027	0.046
225	18.75	0.10	0.073	(0.058)	0.027	0.046
226	18.83	0.07	0.049	(0.058)	0.018	0.031
227	18.92	0.07	0.049	(0.058)	0.018	0.031
228	19.00	0.07	0.049	(0.057)	0.018	0.031
229	19.08	0.10	0.073	(0.057)	0.027	0.046
230	19.17	0.10	0.073	(0.057)	0.027	0.046
231	19.25	0.10	0.073	(0.056)	0.027	0.046
232	19.33	0.13	0.097	(0.056)	0.036	0.061
233	19.42	0.13	0.097	(0.056)	0.036	0.061
234	19.50	0.13	0.097	(0.056)	0.036	0.061
235	19.58	0.10	0.073	(0.055)	0.027	0.046
236	19.67	0.10	0.073	(0.055)	0.027	0.046
237	19.75	0.10	0.073	(0.055)	0.027	0.046
238	19.83	0.07	0.049	(0.055)	0.018	0.031
239	19.92	0.07	0.049	(0.054)	0.018	0.031
240	20.00	0.07	0.049	(0.054)	0.018	0.031
241	20.08	0.10	0.073	(0.054)	0.027	0.046
242	20.17	0.10	0.073	(0.054)	0.027	0.046
243	20.25	0.10	0.073	(0.054)	0.027	0.046
244	20.33	0.10	0.073	(0.053)	0.027	0.046
245	20.42	0.10	0.073	(0.053)	0.027	0.046
246	20.50	0.10	0.073	(0.053)	0.027	0.046
247	20.58	0.10	0.073	(0.053)	0.027	0.046
248	20.67	0.10	0.073	(0.052)	0.027	0.046
249	20.75	0.10	0.073	(0.052)	0.027	0.046
250	20.83	0.07	0.049	(0.052)	0.018	0.031
251	20.92	0.07	0.049	(0.052)	0.018	0.031
252	21.00	0.07	0.049	(0.052)	0.018	0.031
253	21.08	0.10	0.073	(0.051)	0.027	0.046
254	21.17	0.10	0.073	(0.051)	0.027	0.046
255	21.25	0.10	0.073	(0.051)	0.027	0.046
256	21.33	0.07	0.049	(0.051)	0.018	0.031

257	21.42	0.07	0.049	(0.051)	0.018	0.031
258	21.50	0.07	0.049	(0.050)	0.018	0.031
259	21.58	0.10	0.073	(0.050)	0.027	0.046
260	21.67	0.10	0.073	(0.050)	0.027	0.046
261	21.75	0.10	0.073	(0.050)	0.027	0.046
262	21.83	0.07	0.049	(0.050)	0.018	0.031
263	21.92	0.07	0.049	(0.049)	0.018	0.031
264	22.00	0.07	0.049	(0.049)	0.018	0.031
265	22.08	0.10	0.073	(0.049)	0.027	0.046
266	22.17	0.10	0.073	(0.049)	0.027	0.046
267	22.25	0.10	0.073	(0.049)	0.027	0.046
268	22.33	0.07	0.049	(0.049)	0.018	0.031
269	22.42	0.07	0.049	(0.049)	0.018	0.031
270	22.50	0.07	0.049	(0.048)	0.018	0.031
271	22.58	0.07	0.049	(0.048)	0.018	0.031
272	22.67	0.07	0.049	(0.048)	0.018	0.031
273	22.75	0.07	0.049	(0.048)	0.018	0.031
274	22.83	0.07	0.049	(0.048)	0.018	0.031
275	22.92	0.07	0.049	(0.048)	0.018	0.031
276	23.00	0.07	0.049	(0.048)	0.018	0.031
277	23.08	0.07	0.049	(0.047)	0.018	0.031
278	23.17	0.07	0.049	(0.047)	0.018	0.031
279	23.25	0.07	0.049	(0.047)	0.018	0.031
280	23.33	0.07	0.049	(0.047)	0.018	0.031
281	23.42	0.07	0.049	(0.047)	0.018	0.031
282	23.50	0.07	0.049	(0.047)	0.018	0.031
283	23.58	0.07	0.049	(0.047)	0.018	0.031
284	23.67	0.07	0.049	(0.047)	0.018	0.031
285	23.75	0.07	0.049	(0.047)	0.018	0.031
286	23.83	0.07	0.049	(0.047)	0.018	0.031
287	23.92	0.07	0.049	(0.047)	0.018	0.031
288	24.00	0.07	0.049	(0.047)	0.018	0.031

(Loss Rate Not Used)

Sum = 100.0 Sum = 56.4

Flood volume = Effective rainfall 4.70(In)
times area 27.5(Ac.)/[(In)/(Ft.)] = 10.8(Ac.Ft)
Total soil loss = 1.38(In)
Total soil loss = 3.164(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 469515.2 Cubic Feet
Total soil loss = 137829.5 Cubic Feet

Peak flow rate of this hydrograph = 20.719(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0030	0.43	Q				
0+10	0.0086	0.82	VQ				
0+15	0.0144	0.85	VQ				
0+20	0.0218	1.06	VQ				
0+25	0.0304	1.26	VQ				
0+30	0.0392	1.28	VQ				
0+35	0.0480	1.28	VQ				
0+40	0.0568	1.28	VQ				
0+45	0.0656	1.28	VQ				
0+50	0.0758	1.49	VQ				
0+55	0.0874	1.68	V Q				
1+ 0	0.0991	1.70	V Q				
1+ 5	0.1094	1.49	VQ				
1+10	0.1183	1.29	VQ				
1+15	0.1270	1.28	VQ				
1+20	0.1358	1.28	VQ				
1+25	0.1446	1.28	VQ				
1+30	0.1534	1.28	VQ				
1+35	0.1622	1.28	VQ				
1+40	0.1710	1.28	VQ				
1+45	0.1797	1.28	VQ				
1+50	0.1900	1.49	VQ				
1+55	0.2016	1.68	V Q				
2+ 0	0.2133	1.70	V Q				
2+ 5	0.2250	1.70	V Q				
2+10	0.2367	1.70	V Q				
2+15	0.2484	1.70	V Q				
2+20	0.2602	1.70	V Q				
2+25	0.2719	1.70	|VQ				
2+30	0.2836	1.70	|VQ				
2+35	0.2968	1.92	|VQ				
2+40	0.3113	2.11	|VQ				
2+45	0.3259	2.13	|VQ				
2+50	0.3406	2.13	|VQ				
2+55	0.3552	2.13	|VQ				
3+ 0	0.3698	2.13	|VQ				
3+ 5	0.3845	2.13	|VQ				
3+10	0.3991	2.13	|VQ				
3+15	0.4138	2.13	|VQ				
3+20	0.4284	2.13	|VQ				
3+25	0.4430	2.13	|VQ				
3+30	0.4577	2.13	|VQ				
3+35	0.4723	2.13	|VQ				
3+40	0.4870	2.13	|VQ				
3+45	0.5016	2.13	|VQ				
3+50	0.5177	2.34	|V Q				
3+55	0.5352	2.53	|V Q				
4+ 0	0.5527	2.55	| VQ				
4+ 5	0.5703	2.55	| VQ				
4+10	0.5879	2.55	| VQ				
4+15	0.6054	2.55	| VQ				
4+20	0.6245	2.77	| VQ				
4+25	0.6449	2.96	| VQ				
4+30	0.6654	2.98	| VQ				
4+35	0.6859	2.98	| VQ				
4+40	0.7063	2.98	| VQ				
4+45	0.7268	2.98	| VQ				
4+50	0.7488	3.19	| V Q				
4+55	0.7721	3.38	| V Q				
5+ 0	0.7955	3.40	| V Q				
5+ 5	0.8160	2.97	| Q				
5+10	0.8338	2.59	| Q				
5+15	0.8514	2.55	| Q				
5+20	0.8704	2.77	| Q				
5+25	0.8908	2.96	| Q				
5+30	0.9113	2.98	| Q				
5+35	0.9333	3.19	| VQ				
5+40	0.9566	3.38	| VQ				
5+45	0.9800	3.40	| VQ				
5+50	1.0034	3.40	| VQ				
5+55	1.0269	3.40	| VQ				

| | | |

16+20	9.9759	1.70	| Q	|	|	|	V |
16+25	9.9876	1.70	| Q	|	|	|	V |
16+30	9.9993	1.70	| Q	|	|	|	V |
16+35	10.0095	1.49	|Q	|	|	|	V |
16+40	10.0185	1.29	|Q	|	|	|	V |
16+45	10.0272	1.28	|Q	|	|	|	V |
16+50	10.0360	1.28	|Q	|	|	|	V |
16+55	10.0448	1.28	|Q	|	|	|	V |
17+ 0	10.0536	1.28	|Q	|	|	|	V |
17+ 5	10.0653	1.70	| Q	|	|	|	V |
17+10	10.0797	2.09	| Q	|	|	|	V |
17+15	10.0944	2.13	| Q	|	|	|	V |
17+20	10.1090	2.13	| Q	|	|	|	V |
17+25	10.1236	2.13	| Q	|	|	|	V |
17+30	10.1383	2.13	| Q	|	|	|	V |
17+35	10.1529	2.13	| Q	|	|	|	V |
17+40	10.1676	2.13	| Q	|	|	|	V |
17+45	10.1822	2.13	| Q	|	|	|	V |
17+50	10.1954	1.91	| Q	|	|	|	V |
17+55	10.2072	1.72	| Q	|	|	|	V |
18+ 0	10.2189	1.70	| Q	|	|	|	V |
18+ 5	10.2306	1.70	| Q	|	|	|	V |
18+10	10.2423	1.70	| Q	|	|	|	V |
18+15	10.2540	1.70	| Q	|	|	|	V |
18+20	10.2658	1.70	| Q	|	|	|	V |
18+25	10.2775	1.70	| Q	|	|	|	V |
18+30	10.2892	1.70	| Q	|	|	|	V |
18+35	10.2994	1.49	|Q	|	|	|	V |
18+40	10.3083	1.29	|Q	|	|	|	V |
18+45	10.3171	1.28	|Q	|	|	|	V |
18+50	10.3244	1.06	|Q	|	|	|	V |
18+55	10.3304	0.87	|Q	|	|	|	V |
19+ 0	10.3362	0.85	|Q	|	|	|	V |
19+ 5	10.3436	1.06	|Q	|	|	|	V |
19+10	10.3522	1.26	|Q	|	|	|	V |
19+15	10.3610	1.28	|Q	|	|	|	V |
19+20	10.3713	1.49	|Q	|	|	|	V |
19+25	10.3829	1.68	| Q	|	|	|	V |
19+30	10.3946	1.70	| Q	|	|	|	V |
19+35	10.4048	1.49	|Q	|	|	|	V |
19+40	10.4137	1.29	|Q	|	|	|	V |
19+45	10.4225	1.28	|Q	|	|	|	V |
19+50	10.4298	1.06	|Q	|	|	|	V |
19+55	10.4358	0.87	|Q	|	|	|	V |
20+ 0	10.4417	0.85	|Q	|	|	|	V |
20+ 5	10.4490	1.06	|Q	|	|	|	V |
20+10	10.4577	1.26	|Q	|	|	|	V |
20+15	10.4664	1.28	|Q	|	|	|	V |
20+20	10.4752	1.28	|Q	|	|	|	V |
20+25	10.4840	1.28	|Q	|	|	|	V |
20+30	10.4928	1.28	|Q	|	|	|	V |
20+35	10.5016	1.28	|Q	|	|	|	V |
20+40	10.5104	1.28	|Q	|	|	|	V|
20+45	10.5191	1.28	|Q	|	|	|	V|
20+50	10.5264	1.06	|Q	|	|	|	V|
20+55	10.5324	0.87	|Q	|	|	|	V|
21+ 0	10.5383	0.85	|Q	|	|	|	V|
21+ 5	10.5456	1.06	|Q	|	|	|	V|
21+10	10.5543	1.26	|Q	|	|	|	V|
21+15	10.5631	1.28	|Q	|	|	|	V|
21+20	10.5704	1.06	|Q	|	|	|	V|
21+25	10.5763	0.87	|Q	|	|	|	V|
21+30	10.5822	0.85	|Q	|	|	|	V|
21+35	10.5895	1.06	|Q	|	|	|	V|
21+40	10.5982	1.26	|Q	|	|	|	V|
21+45	10.6070	1.28	|Q	|	|	|	V|
21+50	10.6143	1.06	|Q	|	|	|	V|
21+55	10.6203	0.87	|Q	|	|	|	V|
22+ 0	10.6261	0.85	|Q	|	|	|	V|
22+ 5	10.6334	1.06	|Q	|	|	|	V|
22+10	10.6421	1.26	|Q	|	|	|	V|
22+15	10.6509	1.28	|Q	|	|	|	V|
22+20	10.6582	1.06	|Q	|	|	|	V|
22+25	10.6642	0.87	|Q	|	|	|	V|
22+30	10.6700	0.85	|Q	|	|	|	V|
22+35	10.6759	0.85	|Q	|	|	|	V|
22+40	10.6817	0.85	|Q	|	|	|	V|
22+45	10.6876	0.85	|Q	|	|	|	V|
22+50	10.6935	0.85	|Q	|	|	|	V|
22+55	10.6993	0.85	|Q	|	|	|	V|
23+ 0	10.7052	0.85	|Q	|	|	|	V|
23+ 5	10.7110	0.85	|Q	|	|	|	V|
23+10	10.7169	0.85	|Q	|	|	|	V|
23+15	10.7227	0.85	|Q	|	|	|	V|
23+20	10.7286	0.85	|Q	|	|	|	V|
23+25	10.7345	0.85	|Q	|	|	|	V|
23+30	10.7403	0.85	|Q	|	|	|	V|
23+35	10.7462	0.85	|Q	|	|	|	V|
23+40	10.7520	0.85	|Q	|	|	|	V|
23+45	10.7579	0.85	|Q	|	|	|	V|
23+50	10.7637	0.85	|Q	|	|	|	V|
23+55	10.7696	0.85	|Q	|	|	|	V|
24+ 0	10.7754	0.85	|Q	|	|	|	V|
24+ 5	10.7783	0.42	Q	|	|	|	V|
24+10	10.7786	0.04	Q	|	|	|	V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/19/24 File: MESAP10G1003100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10G, 100-YR
2/09/24
--------------------------------------------------------------------------
Drainage Area =       4.58(Ac.)  =      0.007 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       4.58(Ac.)  =
0.007 Sq. Mi.
Length along longest watercourse =    1316.00(Ft.)
Length along longest watercourse measured to centroid =     116.00(Ft.)
Length along longest watercourse =      0.249 Mi.
Length along longest watercourse measured to centroid =      0.022 Mi.
Difference in elevation =      70.00(Ft.)
Slope along watercourse =    280.8511 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.017 Hr.
Lag time =     1.02 Min.
25% of lag time =     0.26 Min.
40% of lag time =     0.41 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.58             0.94                    4.31

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.58             1.97                    9.02

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     1.090           92.00          0.900
     0.310           95.00          0.900
     2.100           65.00          0.120
     1.080           82.00          0.120
 Total Area Entered =      4.58(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.238      0.005
95.0  95.0      0.065     0.900        0.012       0.068      0.001
65.0  65.0      0.416     0.120        0.371       0.459      0.170
82.0  82.0      0.221     0.120        0.197       0.236      0.047
                                                 Sum (F) =   0.222
Area averaged mean soil loss (F) (In/Hr) =  0.222
Minimum soil loss rate ((In/Hr)) =  0.111
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.610
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        488.784         72.941             3.367
    2   0.167        977.569         27.059             1.249
                                Sum = 100.000   Sum=       4.616
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     1.30      0.307       (  0.222)       0.187        0.120
  2   0.17     1.30      0.307       (  0.222)       0.187        0.120
  3   0.25     1.10      0.260       (  0.222)       0.159        0.101
  4   0.33     1.50      0.355       (  0.222)       0.216        0.138
  5   0.42     1.50      0.355       (  0.222)       0.216        0.138
  6   0.50     1.80      0.426          0.222    (  0.260)       0.203
  7   0.58     1.50      0.355       (  0.222)       0.216        0.138
  8   0.67     1.80      0.426          0.222    (  0.260)       0.203
  9   0.75     1.80      0.426          0.222    (  0.260)       0.203
 10   0.83     1.50      0.355       (  0.222)       0.216        0.138
 11   0.92     1.60      0.378          0.222    (  0.231)       0.156
 12   1.00     1.80      0.426          0.222    (  0.260)       0.203
 13   1.08     2.20      0.520          0.222    (  0.317)       0.298
 14   1.17     2.20      0.520          0.222    (  0.317)       0.298
 15   1.25     2.20      0.520          0.222    (  0.317)       0.298
```

```
16   1.33     2.00      0.473          0.222    (  0.288)        0.251
17   1.42     2.60      0.615          0.222    (  0.375)        0.392
18   1.50     2.70      0.638          0.222    (  0.389)        0.416
19   1.58     2.40      0.567          0.222    (  0.346)        0.345
20   1.67     2.70      0.638          0.222    (  0.389)        0.416
21   1.75     3.30      0.780          0.222    (  0.476)        0.558
22   1.83     3.10      0.733          0.222    (  0.447)        0.511
23   1.92     2.90      0.686          0.222    (  0.418)        0.463
24   2.00     3.00      0.709          0.222    (  0.433)        0.487
25   2.08     3.10      0.733          0.222    (  0.447)        0.511
26   2.17     4.20      0.993          0.222    (  0.606)        0.771
27   2.25     5.00      1.182          0.222    (  0.721)        0.960
28   2.33     3.50      0.827          0.222    (  0.505)        0.605
29   2.42     6.80      1.607          0.222    (  0.981)        1.385
30   2.50     7.30      1.726          0.222    (  1.053)        1.503
31   2.58     8.20      1.938          0.222    (  1.182)        1.716
32   2.67     5.90      1.395          0.222    (  0.851)        1.173
33   2.75     2.00      0.473          0.222    (  0.288)        0.251
34   2.83     1.80      0.426          0.222    (  0.260)        0.203
35   2.92     1.80      0.426          0.222    (  0.260)        0.203
36   3.00     0.60      0.142       (  0.222)       0.087        0.055
               (Loss Rate Not Used)
   Sum =     100.0                                 Sum =    15.9
      Flood volume = Effective rainfall      1.33(In)
       times area       4.6(Ac.)/[(In)/(Ft.)] =       0.5(Ac.Ft)
      Total soil loss =      0.64(In)
      Total soil loss =     0.245(Ac.Ft)
      Total rainfall =      1.97(In)
      Flood volume =       22073.6 Cubic Feet
      Total soil loss =       10677.8 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      7.660(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
-------------------------------------------------------------------------
  0+ 5       0.0028      0.40  VQ        |         |         |         |
  0+10       0.0066      0.55  V Q       |         |         |         |
  0+15       0.0100      0.49  VQ        |         |         |         |
  0+20       0.0141      0.59  |VQ       |         |         |         |
  0+25       0.0185      0.64  |VQ       |         |         |         |
  0+30       0.0244      0.86  |V Q      |         |         |         |
  0+35       0.0293      0.72  | Q       |         |         |         |
  0+40       0.0352      0.86  | VQ      |         |         |         |
  0+45       0.0417      0.94  |  Q      |         |         |         |
  0+50       0.0467      0.72  | QV      |         |         |         |
  0+55       0.0515      0.70  | Q V     |         |         |         |
  1+ 0       0.0575      0.88  |  QV     |         |         |         |
  1+ 5       0.0662      1.26  |    Q    |         |         |         |
  1+10       0.0757      1.38  |    Q    |         |         |         |
  1+15       0.0851      1.38  |    QV   |         |         |         |
  1+20       0.0935      1.22  |   Q  V  |         |         |         |
  1+25       0.1048      1.64  |     Q V |         |         |         |
  1+30       0.1178      1.89  |      Q V|         |         |         |
  1+35       0.1294      1.68  |     Q   V         |         |         |
  1+40       0.1420      1.83  |      Q  |V        |         |         |
  1+45       0.1585      2.40  |        Q| V       |         |         |
  1+50       0.1752      2.42  |        Q|  V      |         |         |
  1+55       0.1903      2.20  |       Q |    V    |         |         |
  2+ 0       0.2056      2.22  |       Q |     V   |         |         |
  2+ 5       0.2216      2.33  |        Q|      V  |         |         |
  2+10       0.2439      3.23  |         | Q      V|         |         |
  2+15       0.2728      4.20  |         |    Q   |V        |         |
  2+20       0.2951      3.24  |         | Q      |  V      |         |
  2+25       0.3325      5.42  |         |        |Q    V   |         |
  2+30       0.3793      6.80  |         |        |      Q V|         |
  2+35       0.4320      7.66  |         |        |         Q   V     |
  2+40       0.4740      6.09  |         |        |   Q     |      V  |
  2+45       0.4899      2.31  |         |       Q|         |       V |
  2+50       0.4968      1.00  |  Q      |        |         |        V|
  2+55       0.5032      0.94  |  Q      |        |         |        V|
  3+ 0       0.5063      0.44  |Q        |        |         |        V|
  3+ 5       0.5067      0.07  Q         |        |         |        V|
-------------------------------------------------------------------------
```

```
                U n i t   H y d r o g r a p h   A n a l y s i s

                Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                        Study date  02/19/24 File: MESAP10G1006100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10G, 100-YR
2/09/24
------------------------------------------------------------------------
Drainage Area =       4.58(Ac.)  =      0.007 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       4.58(Ac.)  =
0.007 Sq. Mi.
Length along longest watercourse =    1316.00(Ft.)
Length along longest watercourse measured to centroid =     116.00(Ft.)
Length along longest watercourse =      0.249 Mi.
Length along longest watercourse measured to centroid =      0.022 Mi.
Difference in elevation =      70.00(Ft.)
Slope along watercourse =    280.8511 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.017 Hr.
Lag time =     1.02 Min.
25% of lag time =     0.26 Min.
40% of lag time =     0.41 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.58             1.35                  6.18

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.58             2.78                 12.73

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)

Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     1.090           92.00          0.900
     0.310           95.00          0.900
     2.100           65.00          0.120
     1.080           82.00          0.120
 Total Area Entered =      4.58(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.238      0.005
95.0  95.0      0.065     0.900        0.012       0.068      0.001
65.0  65.0      0.416     0.120        0.371       0.459      0.170
82.0  82.0      0.221     0.120        0.197       0.236      0.047
                                                 Sum (F) =   0.222
Area averaged mean soil loss (F) (In/Hr) =  0.222
Minimum soil loss rate ((In/Hr)) =  0.111
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.610
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        488.784         72.941             3.367
    2   0.167        977.569         27.059             1.249
                                Sum = 100.000   Sum=       4.616
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.50      0.167       (  0.222)       0.102        0.065
  2   0.17     0.60      0.200       (  0.222)       0.122        0.078
  3   0.25     0.60      0.200       (  0.222)       0.122        0.078
  4   0.33     0.60      0.200       (  0.222)       0.122        0.078
  5   0.42     0.60      0.200       (  0.222)       0.122        0.078
  6   0.50     0.70      0.234       (  0.222)       0.142        0.091
  7   0.58     0.70      0.234       (  0.222)       0.142        0.091
  8   0.67     0.70      0.234       (  0.222)       0.142        0.091
  9   0.75     0.70      0.234       (  0.222)       0.142        0.091
 10   0.83     0.70      0.234       (  0.222)       0.142        0.091
 11   0.92     0.70      0.234       (  0.222)       0.142        0.091
 12   1.00     0.80      0.267       (  0.222)       0.163        0.104
 13   1.08     0.80      0.267       (  0.222)       0.163        0.104
 14   1.17     0.80      0.267       (  0.222)       0.163        0.104
 15   1.25     0.80      0.267       (  0.222)       0.163        0.104
```

16	1.33	0.80	0.267	(0.222)	0.163	0.104
17	1.42	0.80	0.267	(0.222)	0.163	0.104
18	1.50	0.80	0.267	(0.222)	0.163	0.104
19	1.58	0.80	0.267	(0.222)	0.163	0.104
20	1.67	0.80	0.267	(0.222)	0.163	0.104
21	1.75	0.80	0.267	(0.222)	0.163	0.104
22	1.83	0.80	0.267	(0.222)	0.163	0.104
23	1.92	0.80	0.267	(0.222)	0.163	0.104
24	2.00	0.90	0.300	(0.222)	0.183	0.117
25	2.08	0.80	0.267	(0.222)	0.163	0.104
26	2.17	0.90	0.300	(0.222)	0.183	0.117
27	2.25	0.90	0.300	(0.222)	0.183	0.117
28	2.33	0.90	0.300	(0.222)	0.183	0.117
29	2.42	0.90	0.300	(0.222)	0.183	0.117
30	2.50	0.90	0.300	(0.222)	0.183	0.117
31	2.58	0.90	0.300	(0.222)	0.183	0.117
32	2.67	0.90	0.300	(0.222)	0.183	0.117
33	2.75	1.00	0.334	(0.222)	0.203	0.130
34	2.83	1.00	0.334	(0.222)	0.203	0.130
35	2.92	1.00	0.334	(0.222)	0.203	0.130
36	3.00	1.00	0.334	(0.222)	0.203	0.130
37	3.08	1.00	0.334	(0.222)	0.203	0.130
38	3.17	1.10	0.367	0.222	(0.224)	0.145
39	3.25	1.10	0.367	0.222	(0.224)	0.145
40	3.33	1.10	0.367	0.222	(0.224)	0.145
41	3.42	1.20	0.400	0.222	(0.244)	0.178
42	3.50	1.30	0.434	0.222	(0.265)	0.211
43	3.58	1.40	0.467	0.222	(0.285)	0.245
44	3.67	1.40	0.467	0.222	(0.285)	0.245
45	3.75	1.50	0.500	0.222	(0.305)	0.278
46	3.83	1.50	0.500	0.222	(0.305)	0.278
47	3.92	1.60	0.534	0.222	(0.326)	0.312
48	4.00	1.60	0.534	0.222	(0.326)	0.312
49	4.08	1.70	0.567	0.222	(0.346)	0.345
50	4.17	1.80	0.600	0.222	(0.366)	0.378
51	4.25	1.90	0.634	0.222	(0.387)	0.412
52	4.33	2.00	0.667	0.222	(0.407)	0.445
53	4.42	2.10	0.701	0.222	(0.427)	0.478
54	4.50	2.10	0.701	0.222	(0.427)	0.478
55	4.58	2.20	0.734	0.222	(0.448)	0.512
56	4.67	2.30	0.767	0.222	(0.468)	0.545
57	4.75	2.40	0.801	0.222	(0.488)	0.578
58	4.83	2.40	0.801	0.222	(0.488)	0.578
59	4.92	2.50	0.834	0.222	(0.509)	0.612
60	5.00	2.60	0.867	0.222	(0.529)	0.645
61	5.08	3.10	1.034	0.222	(0.631)	0.812
62	5.17	3.60	1.201	0.222	(0.733)	0.979
63	5.25	3.90	1.301	0.222	(0.794)	1.079
64	5.33	4.20	1.401	0.222	(0.855)	1.179
65	5.42	4.70	1.568	0.222	(0.956)	1.346
66	5.50	5.60	1.868	0.222	(1.140)	1.646
67	5.58	1.90	0.634	0.222	(0.387)	0.412
68	5.67	0.90	0.300	(0.222)	0.183	0.117
69	5.75	0.60	0.200	(0.222)	0.122	0.078
70	5.83	0.50	0.167	(0.222)	0.102	0.065
71	5.92	0.30	0.100	(0.222)	0.061	0.039
72	6.00	0.20	0.067	(0.222)	0.041	0.026

(Loss Rate Not Used)

Sum = 100.0 Sum = 20.1

Flood volume = Effective rainfall 1.68(In)
times area 4.6(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 1.10(In)

Total soil loss = 0.420(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 27904.0 Cubic Feet
Total soil loss = 18313.9 Cubic Feet

Peak flow rate of this hydrograph = 7.226(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0015	0.22	Q	|	|	|	|
0+10	0.0039	0.34	VQ	|	|	|	|
0+15	0.0064	0.36	VQ	|	|	|	|
0+20	0.0088	0.36	VQ	|	|	|	|
0+25	0.0113	0.36	VQ	|	|	|	|
0+30	0.0141	0.40	VQ	|	|	|	|
0+35	0.0170	0.42	|Q	|	|	|	|
0+40	0.0199	0.42	|Q	|	|	|	|
0+45	0.0228	0.42	|Q	|	|	|	|
0+50	0.0257	0.42	|Q	|	|	|	|
0+55	0.0286	0.42	|Q	|	|	|	|
1+ 0	0.0318	0.46	|Q	|	|	|	|
1+ 5	0.0351	0.48	|QV	|	|	|	|
1+10	0.0384	0.48	|QV	|	|	|	|
1+15	0.0417	0.48	|QV	|	|	|	|
1+20	0.0450	0.48	|QV	|	|	|	|
1+25	0.0483	0.48	|Q V	|	|	|	|
1+30	0.0517	0.48	|Q V	|	|	|	|
1+35	0.0550	0.48	|Q V	|	|	|	|
1+40	0.0583	0.48	|Q V	|	|	|	|
1+45	0.0616	0.48	|Q V	|	|	|	|
1+50	0.0649	0.48	|Q V	|	|	|	|
1+55	0.0682	0.48	|Q V	|	|	|	|
2+ 0	0.0718	0.52	| Q V	|	|	|	|
2+ 5	0.0752	0.50	|Q V	|	|	|	|
2+10	0.0789	0.52	| Q V	|	|	|	|
2+15	0.0826	0.54	| Q V	|	|	|	|
2+20	0.0863	0.54	| Q V	|	|	|	|
2+25	0.0900	0.54	| Q V	|	|	|	|
2+30	0.0938	0.54	| Q V	|	|	|	|
2+35	0.0975	0.54	| Q V	|	|	|	|
2+40	0.1012	0.54	| Q V	|	|	|	|
2+45	0.1052	0.58	| Q V	|	|	|	|
2+50	0.1094	0.60	| Q V	|	|	|	|
2+55	0.1135	0.60	| Q V	|	|	|	|
3+ 0	0.1176	0.60	| Q V	|	|	|	|
3+ 5	0.1218	0.60	| Q V	|	|	|	|
3+10	0.1263	0.65	| Q V	|	|	|	|
3+15	0.1309	0.67	| Q V	|	|	|	|
3+20	0.1355	0.67	| Q V	|	|	|	|
3+25	0.1408	0.78	| Q V	|	|	|	|
3+30	0.1473	0.93	| Q V|	|	|	|	|
3+35	0.1548	1.09	| Q V|	|	|	|	|
3+40	0.1626	1.13	| Q V	|	|	|	|
3+45	0.1711	1.24	| Q V	|	|	|	|
3+50	0.1800	1.28	| Q |V	|	|	|	|

```
   3+55      0.1896      1.40  |    Q    |V        |         |         |
   4+ 0      0.1995      1.44  |    Q    | V       |         |         |
   4+ 5      0.2102      1.55  |     Q   |  V      |         |         |
   4+10      0.2219      1.71  |     Q   |  V      |         |         |
   4+15      0.2347      1.86  |      Q  |   V     |         |         |
   4+20      0.2486      2.01  |       Q |    V    |         |         |
   4+25      0.2635      2.17  |       Q |     V   |         |         |
   4+30      0.2787      2.21  |       Q |      V  |         |         |
   4+35      0.2947      2.32  |        Q|       V |         |         |
   4+40      0.3118      2.48  |        Q|        V|         |         |
   4+45      0.3299      2.63  |         Q         V         |         |
   4+50      0.3483      2.67  |         Q         |V        |         |
   4+55      0.3675      2.78  |         |Q        | V       |         |
   5+ 0      0.3877      2.94  |         |Q        |   V     |         |
   5+ 5      0.4121      3.54  |         |   Q     |    V    |         |
   5+10      0.4418      4.31  |         |      Q  |      V  |         |
   5+15      0.4752      4.86  |         |        Q|       V|         |
   5+20      0.5119      5.32  |         |         |Q        |V        |
   5+25      0.5532      6.01  |         |         |   Q     |   V     |
   5+30      0.6030      7.23  |         |         |      Q  |      V  |
   5+35      0.6267      3.44  |         |  Q      |         |         V|
   5+40      0.6330      0.91  |  Q      |         |         |         V|
   5+45      0.6358      0.41  |Q        |         |         |         V|
   5+50      0.6380      0.32  |Q        |         |         |         V|
   5+55      0.6394      0.21  Q         |         |         |         V|
   6+ 0      0.6404      0.14  Q         |         |         |         V|
   6+ 5      0.6406      0.03  Q         |         |         |          V
-------------------------------------------------------------------------
```

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  02/19/24 File: MESAP10G10024100.out


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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

--------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



--------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10G, 100-YR
2/09/24
--------------------------------------------------------------------------
Drainage Area =       4.58(Ac.)  =      0.007 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =       4.58(Ac.)  =
0.007 Sq. Mi.
Length along longest watercourse =    1316.00(Ft.)
Length along longest watercourse measured to centroid =     116.00(Ft.)
Length along longest watercourse =      0.249 Mi.
Length along longest watercourse measured to centroid =      0.022 Mi.
Difference in elevation =      70.00(Ft.)
Slope along watercourse =    280.8511 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.017 Hr.
Lag time =     1.02 Min.
25% of lag time =     0.26 Min.
40% of lag time =     0.41 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.58             2.45                   11.22

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.58             6.08                   27.85

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)

Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    6.080(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     1.090           92.00          0.900
     0.310           95.00          0.900
     2.100           65.00          0.120
     1.080           82.00          0.120
 Total Area Entered =      4.58(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900        0.020       0.238      0.005
95.0  95.0      0.065     0.900        0.012       0.068      0.001
65.0  65.0      0.416     0.120        0.371       0.459      0.170
82.0  82.0      0.221     0.120        0.197       0.236      0.047
                                                 Sum (F) =   0.222
Area averaged mean soil loss (F) (In/Hr) =  0.222
Minimum soil loss rate ((In/Hr)) =  0.111
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.610
--------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       FOOTHILL S-Curve
--------------------------------------------------------------------------
                Unit Hydrograph Data
--------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
--------------------------------------------------------------------------
    1   0.083        488.784         72.941             3.367
    2   0.167        977.569         27.059             1.249
                                Sum = 100.000   Sum=       4.616
--------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.07      0.049       (  0.394)       0.030        0.019
  2   0.17     0.07      0.049       (  0.392)       0.030        0.019
  3   0.25     0.07      0.049       (  0.391)       0.030        0.019
  4   0.33     0.10      0.073       (  0.389)       0.045        0.028
  5   0.42     0.10      0.073       (  0.388)       0.045        0.028
  6   0.50     0.10      0.073       (  0.386)       0.045        0.028
  7   0.58     0.10      0.073       (  0.385)       0.045        0.028
  8   0.67     0.10      0.073       (  0.383)       0.045        0.028
  9   0.75     0.10      0.073       (  0.382)       0.045        0.028
 10   0.83     0.13      0.097       (  0.380)       0.059        0.038
 11   0.92     0.13      0.097       (  0.379)       0.059        0.038
 12   1.00     0.13      0.097       (  0.377)       0.059        0.038
 13   1.08     0.10      0.073       (  0.376)       0.045        0.028
 14   1.17     0.10      0.073       (  0.374)       0.045        0.028
 15   1.25     0.10      0.073       (  0.373)       0.045        0.028
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16	1.33	0.10	0.073	(0.371)	0.045	0.028
17	1.42	0.10	0.073	(0.370)	0.045	0.028
18	1.50	0.10	0.073	(0.368)	0.045	0.028
19	1.58	0.10	0.073	(0.367)	0.045	0.028
20	1.67	0.10	0.073	(0.365)	0.045	0.028
21	1.75	0.10	0.073	(0.364)	0.045	0.028
22	1.83	0.13	0.097	(0.363)	0.059	0.038
23	1.92	0.13	0.097	(0.361)	0.059	0.038
24	2.00	0.13	0.097	(0.360)	0.059	0.038
25	2.08	0.13	0.097	(0.358)	0.059	0.038
26	2.17	0.13	0.097	(0.357)	0.059	0.038
27	2.25	0.13	0.097	(0.355)	0.059	0.038
28	2.33	0.13	0.097	(0.354)	0.059	0.038
29	2.42	0.13	0.097	(0.352)	0.059	0.038
30	2.50	0.13	0.097	(0.351)	0.059	0.038
31	2.58	0.17	0.122	(0.350)	0.074	0.047
32	2.67	0.17	0.122	(0.348)	0.074	0.047
33	2.75	0.17	0.122	(0.347)	0.074	0.047
34	2.83	0.17	0.122	(0.345)	0.074	0.047
35	2.92	0.17	0.122	(0.344)	0.074	0.047
36	3.00	0.17	0.122	(0.342)	0.074	0.047
37	3.08	0.17	0.122	(0.341)	0.074	0.047
38	3.17	0.17	0.122	(0.340)	0.074	0.047
39	3.25	0.17	0.122	(0.338)	0.074	0.047
40	3.33	0.17	0.122	(0.337)	0.074	0.047
41	3.42	0.17	0.122	(0.335)	0.074	0.047
42	3.50	0.17	0.122	(0.334)	0.074	0.047
43	3.58	0.17	0.122	(0.333)	0.074	0.047
44	3.67	0.17	0.122	(0.331)	0.074	0.047
45	3.75	0.17	0.122	(0.330)	0.074	0.047
46	3.83	0.20	0.146	(0.328)	0.089	0.057
47	3.92	0.20	0.146	(0.327)	0.089	0.057
48	4.00	0.20	0.146	(0.326)	0.089	0.057
49	4.08	0.20	0.146	(0.324)	0.089	0.057
50	4.17	0.20	0.146	(0.323)	0.089	0.057
51	4.25	0.20	0.146	(0.321)	0.089	0.057
52	4.33	0.23	0.170	(0.320)	0.104	0.066
53	4.42	0.23	0.170	(0.319)	0.104	0.066
54	4.50	0.23	0.170	(0.317)	0.104	0.066
55	4.58	0.23	0.170	(0.316)	0.104	0.066
56	4.67	0.23	0.170	(0.315)	0.104	0.066
57	4.75	0.23	0.170	(0.313)	0.104	0.066
58	4.83	0.27	0.195	(0.312)	0.119	0.076
59	4.92	0.27	0.195	(0.311)	0.119	0.076
60	5.00	0.27	0.195	(0.309)	0.119	0.076
61	5.08	0.20	0.146	(0.308)	0.089	0.057
62	5.17	0.20	0.146	(0.307)	0.089	0.057
63	5.25	0.20	0.146	(0.305)	0.089	0.057
64	5.33	0.23	0.170	(0.304)	0.104	0.066
65	5.42	0.23	0.170	(0.303)	0.104	0.066
66	5.50	0.23	0.170	(0.301)	0.104	0.066
67	5.58	0.27	0.195	(0.300)	0.119	0.076
68	5.67	0.27	0.195	(0.299)	0.119	0.076
69	5.75	0.27	0.195	(0.297)	0.119	0.076
70	5.83	0.27	0.195	(0.296)	0.119	0.076
71	5.92	0.27	0.195	(0.295)	0.119	0.076
72	6.00	0.27	0.195	(0.293)	0.119	0.076
73	6.08	0.30	0.219	(0.292)	0.134	0.085
74	6.17	0.30	0.219	(0.291)	0.134	0.085
75	6.25	0.30	0.219	(0.289)	0.134	0.085
76	6.33	0.30	0.219	(0.288)	0.134	0.085
77	6.42	0.30	0.219	(0.287)	0.134	0.085
78	6.50	0.30	0.219	(0.286)	0.134	0.085
79	6.58	0.33	0.243	(0.284)	0.148	0.095
80	6.67	0.33	0.243	(0.283)	0.148	0.095
81	6.75	0.33	0.243	(0.282)	0.148	0.095
82	6.83	0.33	0.243	(0.280)	0.148	0.095
83	6.92	0.33	0.243	(0.279)	0.148	0.095
84	7.00	0.33	0.243	(0.278)	0.148	0.095
85	7.08	0.33	0.243	(0.277)	0.148	0.095
86	7.17	0.33	0.243	(0.275)	0.148	0.095
87	7.25	0.33	0.243	(0.274)	0.148	0.095
88	7.33	0.37	0.268	(0.273)	0.163	0.104
89	7.42	0.37	0.268	(0.272)	0.163	0.104
90	7.50	0.37	0.268	(0.270)	0.163	0.104
91	7.58	0.40	0.292	(0.269)	0.178	0.114
92	7.67	0.40	0.292	(0.268)	0.178	0.114
93	7.75	0.40	0.292	(0.267)	0.178	0.114
94	7.83	0.43	0.316	(0.265)	0.193	0.123
95	7.92	0.43	0.316	(0.264)	0.193	0.123
96	8.00	0.43	0.316	(0.263)	0.193	0.123
97	8.08	0.50	0.365	(0.262)	0.223	0.142
98	8.17	0.50	0.365	(0.261)	0.223	0.142
99	8.25	0.50	0.365	(0.259)	0.223	0.142
100	8.33	0.50	0.365	(0.258)	0.223	0.142
101	8.42	0.50	0.365	(0.257)	0.223	0.142
102	8.50	0.50	0.365	(0.256)	0.223	0.142
103	8.58	0.53	0.389	(0.255)	0.237	0.152
104	8.67	0.53	0.389	(0.253)	0.237	0.152
105	8.75	0.53	0.389	(0.252)	0.237	0.152
106	8.83	0.57	0.413	0.251	(0.252)	0.163
107	8.92	0.57	0.413	0.250	(0.252)	0.164
108	9.00	0.57	0.413	0.249	(0.252)	0.165
109	9.08	0.63	0.462	0.247	(0.282)	0.215
110	9.17	0.63	0.462	0.246	(0.282)	0.216
111	9.25	0.63	0.462	0.245	(0.282)	0.217
112	9.33	0.67	0.486	0.244	(0.297)	0.243
113	9.42	0.67	0.486	0.243	(0.297)	0.244
114	9.50	0.67	0.486	0.242	(0.297)	0.245
115	9.58	0.70	0.511	0.240	(0.312)	0.270
116	9.67	0.70	0.511	0.239	(0.312)	0.271
117	9.75	0.70	0.511	0.238	(0.312)	0.273
118	9.83	0.73	0.535	0.237	(0.326)	0.298
119	9.92	0.73	0.535	0.236	(0.326)	0.299
120	10.00	0.73	0.535	0.235	(0.326)	0.300
121	10.08	0.50	0.365	(0.234)	0.223	0.142
122	10.17	0.50	0.365	(0.232)	0.223	0.142
123	10.25	0.50	0.365	(0.231)	0.223	0.142
124	10.33	0.50	0.365	(0.230)	0.223	0.142
125	10.42	0.50	0.365	(0.229)	0.223	0.142
126	10.50	0.50	0.365	(0.228)	0.223	0.142
127	10.58	0.67	0.486	0.227	(0.297)	0.260
128	10.67	0.67	0.486	0.226	(0.297)	0.261
129	10.75	0.67	0.486	0.225	(0.297)	0.262
130	10.83	0.67	0.486	0.223	(0.297)	0.263
131	10.92	0.67	0.486	0.222	(0.297)	0.264
132	11.00	0.67	0.486	0.221	(0.297)	0.265
133	11.08	0.63	0.462	0.220	(0.282)	0.242
134	11.17	0.63	0.462	0.219	(0.282)	0.243
135	11.25	0.63	0.462	0.218	(0.282)	0.244
136	11.33	0.63	0.462	0.217	(0.282)	0.245
137	11.42	0.63	0.462	0.216	(0.282)	0.246
138	11.50	0.63	0.462	0.215	(0.282)	0.247
139	11.58	0.57	0.413	0.214	(0.252)	0.200

140	11.67	0.57	0.413	0.213	(0.252)	0.201
141	11.75	0.57	0.413	0.212	(0.252)	0.202
142	11.83	0.60	0.438	0.211	(0.267)	0.227
143	11.92	0.60	0.438	0.210	(0.267)	0.228
144	12.00	0.60	0.438	0.208	(0.267)	0.229
145	12.08	0.83	0.608	0.207	(0.371)	0.401
146	12.17	0.83	0.608	0.206	(0.371)	0.402
147	12.25	0.83	0.608	0.205	(0.371)	0.403
148	12.33	0.87	0.632	0.204	(0.386)	0.428
149	12.42	0.87	0.632	0.203	(0.386)	0.429
150	12.50	0.87	0.632	0.202	(0.386)	0.430
151	12.58	0.93	0.681	0.201	(0.415)	0.480
152	12.67	0.93	0.681	0.200	(0.415)	0.481
153	12.75	0.93	0.681	0.199	(0.415)	0.482
154	12.83	0.97	0.705	0.198	(0.430)	0.507
155	12.92	0.97	0.705	0.197	(0.430)	0.508
156	13.00	0.97	0.705	0.196	(0.430)	0.509
157	13.08	1.13	0.827	0.195	(0.504)	0.632
158	13.17	1.13	0.827	0.194	(0.504)	0.633
159	13.25	1.13	0.827	0.193	(0.504)	0.634
160	13.33	1.13	0.827	0.192	(0.504)	0.635
161	13.42	1.13	0.827	0.191	(0.504)	0.636
162	13.50	1.13	0.827	0.190	(0.504)	0.637
163	13.58	0.77	0.559	0.189	(0.341)	0.370
164	13.67	0.77	0.559	0.188	(0.341)	0.371
165	13.75	0.77	0.559	0.187	(0.341)	0.372
166	13.83	0.77	0.559	0.186	(0.341)	0.373
167	13.92	0.77	0.559	0.186	(0.341)	0.374
168	14.00	0.77	0.559	0.185	(0.341)	0.375
169	14.08	0.90	0.657	0.184	(0.401)	0.473
170	14.17	0.90	0.657	0.183	(0.401)	0.474
171	14.25	0.90	0.657	0.182	(0.401)	0.475
172	14.33	0.87	0.632	0.181	(0.386)	0.451
173	14.42	0.87	0.632	0.180	(0.386)	0.452
174	14.50	0.87	0.632	0.179	(0.386)	0.453
175	14.58	0.87	0.632	0.178	(0.386)	0.454
176	14.67	0.87	0.632	0.177	(0.386)	0.455
177	14.75	0.87	0.632	0.176	(0.386)	0.456
178	14.83	0.83	0.608	0.175	(0.371)	0.433
179	14.92	0.83	0.608	0.174	(0.371)	0.434
180	15.00	0.83	0.608	0.174	(0.371)	0.434
181	15.08	0.80	0.584	0.173	(0.356)	0.411
182	15.17	0.80	0.584	0.172	(0.356)	0.412
183	15.25	0.80	0.584	0.171	(0.356)	0.413
184	15.33	0.77	0.559	0.170	(0.341)	0.389
185	15.42	0.77	0.559	0.169	(0.341)	0.390
186	15.50	0.77	0.559	0.168	(0.341)	0.391
187	15.58	0.63	0.462	0.167	(0.282)	0.295
188	15.67	0.63	0.462	0.167	(0.282)	0.296
189	15.75	0.63	0.462	0.166	(0.282)	0.296
190	15.83	0.63	0.462	0.165	(0.282)	0.297
191	15.92	0.63	0.462	0.164	(0.282)	0.298
192	16.00	0.63	0.462	0.163	(0.282)	0.299
193	16.08	0.13	0.097	(0.162)	0.059	0.038
194	16.17	0.13	0.097	(0.162)	0.059	0.038
195	16.25	0.13	0.097	(0.161)	0.059	0.038
196	16.33	0.13	0.097	(0.160)	0.059	0.038
197	16.42	0.13	0.097	(0.159)	0.059	0.038
198	16.50	0.13	0.097	(0.158)	0.059	0.038
199	16.58	0.10	0.073	(0.157)	0.045	0.028
200	16.67	0.10	0.073	(0.157)	0.045	0.028
201	16.75	0.10	0.073	(0.156)	0.045	0.028
202	16.83	0.10	0.073	(0.155)	0.045	0.028
203	16.92	0.10	0.073	(0.154)	0.045	0.028
204	17.00	0.10	0.073	(0.153)	0.045	0.028
205	17.08	0.17	0.122	(0.153)	0.074	0.047
206	17.17	0.17	0.122	(0.152)	0.074	0.047
207	17.25	0.17	0.122	(0.151)	0.074	0.047
208	17.33	0.17	0.122	(0.150)	0.074	0.047
209	17.42	0.17	0.122	(0.150)	0.074	0.047
210	17.50	0.17	0.122	(0.149)	0.074	0.047
211	17.58	0.17	0.122	(0.148)	0.074	0.047
212	17.67	0.17	0.122	(0.147)	0.074	0.047
213	17.75	0.17	0.122	(0.147)	0.074	0.047
214	17.83	0.13	0.097	(0.146)	0.059	0.038
215	17.92	0.13	0.097	(0.145)	0.059	0.038
216	18.00	0.13	0.097	(0.145)	0.059	0.038
217	18.08	0.13	0.097	(0.144)	0.059	0.038
218	18.17	0.13	0.097	(0.143)	0.059	0.038
219	18.25	0.13	0.097	(0.142)	0.059	0.038
220	18.33	0.13	0.097	(0.142)	0.059	0.038
221	18.42	0.13	0.097	(0.141)	0.059	0.038
222	18.50	0.13	0.097	(0.140)	0.059	0.038
223	18.58	0.10	0.073	(0.140)	0.045	0.028
224	18.67	0.10	0.073	(0.139)	0.045	0.028
225	18.75	0.10	0.073	(0.138)	0.045	0.028
226	18.83	0.07	0.049	(0.138)	0.030	0.019
227	18.92	0.07	0.049	(0.137)	0.030	0.019
228	19.00	0.07	0.049	(0.136)	0.030	0.019
229	19.08	0.10	0.073	(0.136)	0.045	0.028
230	19.17	0.10	0.073	(0.135)	0.045	0.028
231	19.25	0.10	0.073	(0.134)	0.045	0.028
232	19.33	0.13	0.097	(0.134)	0.059	0.038
233	19.42	0.13	0.097	(0.133)	0.059	0.038
234	19.50	0.13	0.097	(0.133)	0.059	0.038
235	19.58	0.10	0.073	(0.132)	0.045	0.028
236	19.67	0.10	0.073	(0.131)	0.045	0.028
237	19.75	0.10	0.073	(0.131)	0.045	0.028
238	19.83	0.07	0.049	(0.130)	0.030	0.019
239	19.92	0.07	0.049	(0.130)	0.030	0.019
240	20.00	0.07	0.049	(0.129)	0.030	0.019
241	20.08	0.10	0.073	(0.128)	0.045	0.028
242	20.17	0.10	0.073	(0.128)	0.045	0.028
243	20.25	0.10	0.073	(0.127)	0.045	0.028
244	20.33	0.10	0.073	(0.127)	0.045	0.028
245	20.42	0.10	0.073	(0.126)	0.045	0.028
246	20.50	0.10	0.073	(0.126)	0.045	0.028
247	20.58	0.10	0.073	(0.125)	0.045	0.028
248	20.67	0.10	0.073	(0.125)	0.045	0.028
249	20.75	0.10	0.073	(0.124)	0.045	0.028
250	20.83	0.07	0.049	(0.124)	0.030	0.019
251	20.92	0.07	0.049	(0.123)	0.030	0.019
252	21.00	0.07	0.049	(0.123)	0.030	0.019
253	21.08	0.10	0.073	(0.122)	0.045	0.028
254	21.17	0.10	0.073	(0.122)	0.045	0.028
255	21.25	0.10	0.073	(0.121)	0.045	0.028
256	21.33	0.07	0.049	(0.121)	0.030	0.019
257	21.42	0.07	0.049	(0.120)	0.030	0.019
258	21.50	0.07	0.049	(0.120)	0.030	0.019
259	21.58	0.10	0.073	(0.119)	0.045	0.028
260	21.67	0.10	0.073	(0.119)	0.045	0.028
261	21.75	0.10	0.073	(0.119)	0.045	0.028
262	21.83	0.07	0.049	(0.118)	0.030	0.019
263	21.92	0.07	0.049	(0.118)	0.030	0.019

264	22.00	0.07	0.049	(0.117)	0.030	0.019
265	22.08	0.10	0.073	(0.117)	0.045	0.028
266	22.17	0.10	0.073	(0.117)	0.045	0.028
267	22.25	0.10	0.073	(0.116)	0.045	0.028
268	22.33	0.07	0.049	(0.116)	0.030	0.019
269	22.42	0.07	0.049	(0.115)	0.030	0.019
270	22.50	0.07	0.049	(0.115)	0.030	0.019
271	22.58	0.07	0.049	(0.115)	0.030	0.019
272	22.67	0.07	0.049	(0.114)	0.030	0.019
273	22.75	0.07	0.049	(0.114)	0.030	0.019
274	22.83	0.07	0.049	(0.114)	0.030	0.019
275	22.92	0.07	0.049	(0.114)	0.030	0.019
276	23.00	0.07	0.049	(0.113)	0.030	0.019
277	23.08	0.07	0.049	(0.113)	0.030	0.019
278	23.17	0.07	0.049	(0.113)	0.030	0.019
279	23.25	0.07	0.049	(0.113)	0.030	0.019
280	23.33	0.07	0.049	(0.112)	0.030	0.019
281	23.42	0.07	0.049	(0.112)	0.030	0.019
282	23.50	0.07	0.049	(0.112)	0.030	0.019
283	23.58	0.07	0.049	(0.112)	0.030	0.019
284	23.67	0.07	0.049	(0.112)	0.030	0.019
285	23.75	0.07	0.049	(0.111)	0.030	0.019
286	23.83	0.07	0.049	(0.111)	0.030	0.019
287	23.92	0.07	0.049	(0.111)	0.030	0.019
288	24.00	0.07	0.049	(0.111)	0.030	0.019

(Loss Rate Not Used)

Sum = 100.0 Sum = 39.8

Flood volume = Effective rainfall 3.31(In)
times area 4.6(Ac.)/[(In)/(Ft.)] = 1.3(Ac.Ft)
Total soil loss = 2.77(In)
Total soil loss = 1.056(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 55095.4 Cubic Feet
Total soil loss = 45986.1 Cubic Feet

Peak flow rate of this hydrograph = 2.938(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0004	0.06	Q				
0+10	0.0010	0.09	Q				
0+15	0.0016	0.09	Q				
0+20	0.0025	0.12	Q				
0+25	0.0034	0.13	Q				
0+30	0.0043	0.13	Q				
0+35	0.0052	0.13	Q				
0+40	0.0061	0.13	Q				
0+45	0.0070	0.13	Q				
0+50	0.0081	0.16	Q				
0+55	0.0093	0.18	Q				
1+ 0	0.0105	0.18	Q				
1+ 5	0.0115	0.14	Q				
1+10	0.0124	0.13	Q				
1+15	0.0133	0.13	Q				
1+20	0.0142	0.13	Q				
1+25	0.0151	0.13	Q				
1+30	0.0160	0.13	Q				
1+35	0.0170	0.13	Q				
1+40	0.0179	0.13	Q				
1+45	0.0188	0.13	Q				
1+50	0.0199	0.16	Q				
1+55	0.0211	0.18	Q				
2+ 0	0.0223	0.18	Q				
2+ 5	0.0235	0.18	Q				
2+10	0.0247	0.18	Q				
2+15	0.0259	0.18	Q				
2+20	0.0271	0.18	Q				
2+25	0.0283	0.18	Q				
2+30	0.0295	0.18	Q				
2+35	0.0310	0.21	Q				
2+40	0.0325	0.22	QV				
2+45	0.0340	0.22	QV				
2+50	0.0355	0.22	QV				
2+55	0.0370	0.22	QV				
3+ 0	0.0385	0.22	QV				
3+ 5	0.0400	0.22	QV				
3+10	0.0415	0.22	QV				
3+15	0.0430	0.22	QV				
3+20	0.0445	0.22	QV				
3+25	0.0460	0.22	QV				
3+30	0.0476	0.22	QV				
3+35	0.0491	0.22	QV				
3+40	0.0506	0.22	QV				
3+45	0.0521	0.22	QV				
3+50	0.0538	0.25	|Q				
3+55	0.0556	0.26	|Q				
4+ 0	0.0574	0.26	|Q				
4+ 5	0.0592	0.26	|Q				
4+10	0.0611	0.26	|Q				
4+15	0.0629	0.26	|Q				
4+20	0.0649	0.29	|QV				
4+25	0.0670	0.31	|QV				
4+30	0.0691	0.31	|QV				
4+35	0.0712	0.31	|QV				
4+40	0.0733	0.31	|QV				
4+45	0.0754	0.31	|QV				
4+50	0.0778	0.34	|QV				
4+55	0.0802	0.35	|QV				
5+ 0	0.0826	0.35	|QV				
5+ 5	0.0846	0.29	|QV				
5+10	0.0864	0.26	|QV				
5+15	0.0882	0.26	|QV				
5+20	0.0902	0.29	|QV				
5+25	0.0923	0.31	|QV				
5+30	0.0945	0.31	|QV				
5+35	0.0968	0.34	|Q V				
5+40	0.0992	0.35	|Q V				
5+45	0.1016	0.35	|Q V				
5+50	0.1040	0.35	|Q V				
5+55	0.1064	0.35	|Q V				
6+ 0	0.1089	0.35	|Q V				
6+ 5	0.1115	0.38	|Q V				
6+10	0.1142	0.39	|Q V				
6+15	0.1169	0.39	|Q V				
6+20	0.1196	0.39	|Q V				
6+25	0.1223	0.39	|Q V				
6+30	0.1251	0.39	|Q V				

6+35	0.1280	0.43	Q	V					11+45	0.4824	0.93		Q		V				
6+40	0.1310	0.44	Q	V					11+50	0.4894	1.02		Q		V				
6+45	0.1340	0.44	Q	V					11+55	0.4967	1.05		Q		V				
6+50	0.1370	0.44	Q	V					12+ 0	0.5039	1.06		Q		V				
6+55	0.1401	0.44	Q	V					12+ 5	0.5152	1.64			Q		V			
7+ 0	0.1431	0.44	Q	V					12+10	0.5280	1.85			Q		V			
7+ 5	0.1461	0.44	Q	V					12+15	0.5408	1.86			Q		V			
7+10	0.1491	0.44	Q	V					12+20	0.5542	1.94			Q		V			
7+15	0.1521	0.44	Q	V					12+25	0.5678	1.98			Q		V			
7+20	0.1554	0.47	Q	V					12+30	0.5815	1.98			Q		V			
7+25	0.1587	0.48	Q	V					12+35	0.5963	2.15			Q		V			
7+30	0.1620	0.48	Q	V					12+40	0.6116	2.22			Q		V			
7+35	0.1655	0.51		Q	V				12+45	0.6269	2.22			Q		V			
7+40	0.1692	0.53		Q	V				12+50	0.6428	2.31				Q	V			
7+45	0.1728	0.53		Q	V				12+55	0.6589	2.35				Q	V			
7+50	0.1766	0.56		Q	V				13+ 0	0.6751	2.35				Q	V			
7+55	0.1805	0.57		Q	V				13+ 5	0.6942	2.76					Q	V		
8+ 0	0.1845	0.57		Q	V				13+10	0.7143	2.92					Q	V		
8+ 5	0.1888	0.63		Q	V				13+15	0.7344	2.92					Q	V		
8+10	0.1934	0.66		Q	V				13+20	0.7546	2.93					Q	V		
8+15	0.1979	0.66		Q	V				13+25	0.7748	2.93					Q	V		
8+20	0.2024	0.66		Q	V				13+30	0.7950	2.94					Q	V		
8+25	0.2069	0.66		Q	V				13+35	0.8091	2.04				Q		V		
8+30	0.2115	0.66		Q	V				13+40	0.8209	1.71			Q			V		
8+35	0.2162	0.69		Q	V				13+45	0.8327	1.72			Q			V		
8+40	0.2210	0.70		Q	V				13+50	0.8446	1.72			Q			V		
8+45	0.2258	0.70		Q	V				13+55	0.8564	1.73			Q			V		
8+50	0.2309	0.74		Q	V				14+ 0	0.8684	1.73			Q			V		
8+55	0.2361	0.75			Q	V			14+ 5	0.8826	2.06				Q		V		
9+ 0	0.2414	0.76			Q	V			14+10	0.8976	2.19				Q		V		
9+ 5	0.2478	0.93			Q	V			14+15	0.9127	2.19				Q		V		
9+10	0.2546	1.00			Q	V			14+20	0.9273	2.11				Q			V	
9+15	0.2615	1.00			Q	V			14+25	0.9417	2.09				Q			V	
9+20	0.2690	1.09			Q	V			14+30	0.9561	2.09				Q			V	
9+25	0.2767	1.12			Q	V			14+35	0.9705	2.10				Q			V	
9+30	0.2845	1.13			Q	V			14+40	0.9850	2.10				Q				V
9+35	0.2929	1.22			Q	V			14+45	0.9995	2.11				Q				V
9+40	0.3015	1.25				Q	V		14+50	1.0134	2.03				Q				V
9+45	0.3102	1.26				Q	V		14+55	1.0272	2.00				Q				V
9+50	0.3194	1.34				Q	V		15+ 0	1.0410	2.01				Q				V
9+55	0.3290	1.38				Q	V		15+ 5	1.0543	1.93					Q			V
10+ 0	0.3385	1.39				Q	V		15+10	1.0674	1.90					Q			V
10+ 5	0.3444	0.85		Q			V		15+15	1.0805	1.91					Q			V
10+10	0.3489	0.66	Q				V		15+20	1.0931	1.83					Q			V
10+15	0.3534	0.66	Q				V		15+25	1.1055	1.80					Q			V
10+20	0.3580	0.66	Q				V		15+30	1.1179	1.80					Q			V
10+25	0.3625	0.66	Q				V		15+35	1.1281	1.48				Q				V
10+30	0.3670	0.66	Q				V		15+40	1.1375	1.36				Q				V
10+35	0.3743	1.05			Q		V		15+45	1.1469	1.37				Q				V
10+40	0.3825	1.20			Q		V		15+50	1.1564	1.37				Q				V
10+45	0.3909	1.21			Q		V		15+55	1.1659	1.38				Q				V
10+50	0.3992	1.21			Q		V		16+ 0	1.1754	1.38				Q				V
10+55	0.4076	1.22			Q		V		16+ 5	1.1788	0.50	Q							V
11+ 0	0.4160	1.22			Q		V		16+10	1.1800	0.18	Q							V
11+ 5	0.4239	1.15			Q		V		16+15	1.1812	0.18	Q							V
11+10	0.4316	1.12			Q		V		16+20	1.1824	0.18	Q							V
11+15	0.4394	1.13			Q		V		16+25	1.1836	0.18	Q							V
11+20	0.4472	1.13			Q		V		16+30	1.1848	0.18	Q							V
11+25	0.4550	1.14			Q		V		16+35	1.1858	0.14	Q							V
11+30	0.4628	1.14			Q		V		16+40	1.1867	0.13	Q							V
11+35	0.4696	0.98		Q			V		16+45	1.1876	0.13	Q							V
11+40	0.4760	0.93		Q			V		16+50	1.1886	0.13	Q							V

16+55	1.1895	0.13	Q	|	|	|	V |
17+ 0	1.1904	0.13	Q	|	|	|	V |
17+ 5	1.1917	0.20	Q	|	|	|	V |
17+10	1.1932	0.22	Q	|	|	|	V |
17+15	1.1947	0.22	Q	|	|	|	V |
17+20	1.1962	0.22	Q	|	|	|	V |
17+25	1.1977	0.22	Q	|	|	|	V |
17+30	1.1992	0.22	Q	|	|	|	V |
17+35	1.2008	0.22	Q	|	|	|	V |
17+40	1.2023	0.22	Q	|	|	|	V |
17+45	1.2038	0.22	Q	|	|	|	V |
17+50	1.2051	0.19	Q	|	|	|	V |
17+55	1.2063	0.18	Q	|	|	|	V |
18+ 0	1.2075	0.18	Q	|	|	|	V |
18+ 5	1.2087	0.18	Q	|	|	|	V |
18+10	1.2099	0.18	Q	|	|	|	V |
18+15	1.2111	0.18	Q	|	|	|	V |
18+20	1.2123	0.18	Q	|	|	|	V |
18+25	1.2135	0.18	Q	|	|	|	V |
18+30	1.2147	0.18	Q	|	|	|	V |
18+35	1.2157	0.14	Q	|	|	|	V |
18+40	1.2166	0.13	Q	|	|	|	V |
18+45	1.2175	0.13	Q	|	|	|	V |
18+50	1.2182	0.10	Q	|	|	|	V |
18+55	1.2188	0.09	Q	|	|	|	V |
19+ 0	1.2194	0.09	Q	|	|	|	V |
19+ 5	1.2202	0.12	Q	|	|	|	V |
19+10	1.2211	0.13	Q	|	|	|	V |
19+15	1.2220	0.13	Q	|	|	|	V |
19+20	1.2232	0.16	Q	|	|	|	V |
19+25	1.2244	0.18	Q	|	|	|	V |
19+30	1.2256	0.18	Q	|	|	|	V |
19+35	1.2266	0.14	Q	|	|	|	V |
19+40	1.2275	0.13	Q	|	|	|	V |
19+45	1.2284	0.13	Q	|	|	|	V |
19+50	1.2291	0.10	Q	|	|	|	V |
19+55	1.2297	0.09	Q	|	|	|	V |
20+ 0	1.2303	0.09	Q	|	|	|	V |
20+ 5	1.2311	0.12	Q	|	|	|	V |
20+10	1.2320	0.13	Q	|	|	|	V |
20+15	1.2329	0.13	Q	|	|	|	V |
20+20	1.2338	0.13	Q	|	|	|	V|
20+25	1.2347	0.13	Q	|	|	|	V|
20+30	1.2356	0.13	Q	|	|	|	V|
20+35	1.2365	0.13	Q	|	|	|	V|
20+40	1.2374	0.13	Q	|	|	|	V|
20+45	1.2383	0.13	Q	|	|	|	V|
20+50	1.2390	0.10	Q	|	|	|	V|
20+55	1.2396	0.09	Q	|	|	|	V|
21+ 0	1.2402	0.09	Q	|	|	|	V|
21+ 5	1.2410	0.12	Q	|	|	|	V|
21+10	1.2419	0.13	Q	|	|	|	V|
21+15	1.2429	0.13	Q	|	|	|	V|
21+20	1.2435	0.10	Q	|	|	|	V|
21+25	1.2441	0.09	Q	|	|	|	V|
21+30	1.2447	0.09	Q	|	|	|	V|
21+35	1.2456	0.12	Q	|	|	|	V|
21+40	1.2465	0.13	Q	|	|	|	V|
21+45	1.2474	0.13	Q	|	|	|	V|
21+50	1.2481	0.10	Q	|	|	|	V|
21+55	1.2487	0.09	Q	|	|	|	V|
22+ 0	1.2493	0.09	Q	|	|	|	V|
22+ 5	1.2501	0.12	Q	|	|	|	V|
22+10	1.2510	0.13	Q	|	|	|	V|
22+15	1.2519	0.13	Q	|	|	|	V|
22+20	1.2526	0.10	Q	|	|	|	V|
22+25	1.2532	0.09	Q	|	|	|	V|
22+30	1.2538	0.09	Q	|	|	|	V|
22+35	1.2544	0.09	Q	|	|	|	V|
22+40	1.2550	0.09	Q	|	|	|	V|
22+45	1.2556	0.09	Q	|	|	|	V|
22+50	1.2562	0.09	Q	|	|	|	V|
22+55	1.2568	0.09	Q	|	|	|	V|
23+ 0	1.2574	0.09	Q	|	|	|	V|
23+ 5	1.2580	0.09	Q	|	|	|	V|
23+10	1.2586	0.09	Q	|	|	|	V|
23+15	1.2592	0.09	Q	|	|	|	V|
23+20	1.2598	0.09	Q	|	|	|	V|
23+25	1.2604	0.09	Q	|	|	|	V|
23+30	1.2610	0.09	Q	|	|	|	V|
23+35	1.2616	0.09	Q	|	|	|	V|
23+40	1.2622	0.09	Q	|	|	|	V|
23+45	1.2628	0.09	Q	|	|	|	V|
23+50	1.2634	0.09	Q	|	|	|	V|
23+55	1.2640	0.09	Q	|	|	|	V|
24+ 0	1.2647	0.09	Q	|	|	|	V|
24+ 5	1.2648	0.02	Q	|	|	|	V

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  08/05/24 File: MESAP10H1003100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10H
8/05/24
------------------------------------------------------------------------
Drainage Area =      48.31(Ac.)  =      0.075 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      48.31(Ac.)  =
0.075 Sq. Mi.
Length along longest watercourse =    2602.00(Ft.)
Length along longest watercourse measured to centroid =    1219.00(Ft.)
Length along longest watercourse =      0.493 Mi.
Length along longest watercourse measured to centroid =      0.231 Mi.
Difference in elevation =      28.20(Ft.)
Slope along watercourse =     57.2237 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.073 Hr.
Lag time =     4.38 Min.
25% of lag time =     1.10 Min.
40% of lag time =     1.75 Min.
Unit time =     5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       48.31              0.94                   45.41

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       48.31              1.97                   95.17

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.940(In)
Area Averaged 100-Year Rainfall =    1.970(In)

Point rain (area averaged) =    1.970(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    1.970(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
    20.870            92.00          0.900
     9.330            94.00          0.900
    10.190            95.00          0.900
     2.600            65.00          0.120
     2.670            77.00          0.120
     2.650            82.00          0.120
 Total Area Entered =     48.31(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900         0.020        0.432      0.009
94.0  94.0      0.078     0.900         0.015        0.193      0.003
95.0  95.0      0.065     0.900         0.012        0.211      0.003
65.0  65.0      0.416     0.120         0.371        0.054      0.020
77.0  77.0      0.279     0.120         0.249        0.055      0.014
82.0  82.0      0.221     0.120         0.197        0.055      0.011
                                                  Sum (F) =   0.059
Area averaged mean soil loss (F) (In/Hr) =  0.059
Minimum soil loss rate ((In/Hr)) =  0.029
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.290
------------------------------------------------------------------------

                U n i t   H y d r o g r a p h
                      FOOTHILL S-Curve
------------------------------------------------------------------------
                  Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        114.067         19.387             9.439
    2   0.167        228.134         56.177            27.351
    3   0.250        342.200         16.299             7.936
    4   0.333        456.267          5.734             2.792
    5   0.417        570.334          1.452             0.707
    6   0.500        684.401          0.734             0.357
    7   0.583        798.468          0.216             0.105
                                Sum = 100.000   Sum=     48.687
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     1.30      0.307          0.059    (  0.089)        0.249
  2   0.17     1.30      0.307          0.059    (  0.089)        0.249
  3   0.25     1.10      0.260          0.059    (  0.075)        0.201
  4   0.33     1.50      0.355          0.059    (  0.103)        0.296
  5   0.42     1.50      0.355          0.059    (  0.103)        0.296
  6   0.50     1.80      0.425          0.059    (  0.123)        0.367
```

7	0.58	1.50	0.355	0.059	(0.103)	0.296
8	0.67	1.80	0.425	0.059	(0.123)	0.367
9	0.75	1.80	0.425	0.059	(0.123)	0.367
10	0.83	1.50	0.355	0.059	(0.103)	0.296
11	0.92	1.60	0.378	0.059	(0.110)	0.320
12	1.00	1.80	0.425	0.059	(0.123)	0.367
13	1.08	2.20	0.520	0.059	(0.151)	0.461
14	1.17	2.20	0.520	0.059	(0.151)	0.461
15	1.25	2.20	0.520	0.059	(0.151)	0.461
16	1.33	2.00	0.473	0.059	(0.137)	0.414
17	1.42	2.60	0.615	0.059	(0.178)	0.556
18	1.50	2.70	0.638	0.059	(0.185)	0.580
19	1.58	2.40	0.567	0.059	(0.164)	0.509
20	1.67	2.70	0.638	0.059	(0.185)	0.580
21	1.75	3.30	0.780	0.059	(0.226)	0.721
22	1.83	3.10	0.733	0.059	(0.212)	0.674
23	1.92	2.90	0.685	0.059	(0.199)	0.627
24	2.00	3.00	0.709	0.059	(0.206)	0.650
25	2.08	3.10	0.733	0.059	(0.212)	0.674
26	2.17	4.20	0.993	0.059	(0.288)	0.934
27	2.25	5.00	1.182	0.059	(0.343)	1.123
28	2.33	3.50	0.827	0.059	(0.240)	0.769
29	2.42	6.80	1.607	0.059	(0.466)	1.549
30	2.50	7.30	1.725	0.059	(0.500)	1.667
31	2.58	8.20	1.938	0.059	(0.562)	1.879
32	2.67	5.90	1.394	0.059	(0.404)	1.336
33	2.75	2.00	0.473	0.059	(0.137)	0.414
34	2.83	1.80	0.425	0.059	(0.123)	0.367
35	2.92	1.80	0.425	0.059	(0.123)	0.367
36	3.00	0.60	0.142	(0.059)	0.041	0.101

(Loss Rate Not Used)

Sum = 100.0 Sum = 21.5

Flood volume = Effective rainfall 1.80(In)
times area 48.3(Ac.)/[(In)/(Ft.)] = 7.2(Ac.Ft)
Total soil loss = 0.17(In)
Total soil loss = 0.702(Ac.Ft)
Total rainfall = 1.97(In)
Flood volume = 314837.3 Cubic Feet
Total soil loss = 30559.4 Cubic Feet

Peak flow rate of this hydrograph = 82.652(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	22.5	45.0	67.5	90.0
0+ 5	0.0162	2.35	VQ				
0+10	0.0792	9.15	V Q				
0+15	0.1528	10.68	V Q				
0+20	0.2284	10.98	V Q				
0+25	0.3204	13.36	V Q				
0+30	0.4219	14.74	V Q				
0+35	0.5340	16.27	V Q				
0+40	0.6415	15.61	V Q				
0+45	0.7600	17.21	V Q				
0+50	0.8769	16.97	V Q				
0+55	0.9832	15.43	VQ				
1+ 0	1.0933	15.99	VQ				
1+ 5	1.2185	18.18	V Q				
1+10	1.3643	21.17	V Q				
1+15	1.5161	22.04	VQ				
1+20	1.6669	21.89	Q				
1+25	1.8186	22.03	QV				
1+30	1.9962	25.79	Q				
1+35	2.1806	26.77	QV				
1+40	2.3601	26.05	Q V				
1+45	2.5592	28.92	Q V				
1+50	2.7850	32.78	QV				
1+55	3.0077	32.34	Q V				
2+ 0	3.2234	31.32	Q V				
2+ 5	3.4424	31.80	Q V				
2+10	3.6833	34.98	Q V				
2+15	3.9870	44.10	Q V				
2+20	4.3180	48.05	Q V				
2+25	4.6483	47.96	Q V				
2+30	5.1189	68.33	V Q				
2+35	5.6630	79.00	V Q				
2+40	6.2322	82.65	V Q				
2+45	6.6560	61.54	Q V				
2+50	6.8796	32.47	Q V				
2+55	7.0353	22.61	Q V				
3+ 0	7.1514	16.85	Q V				
3+ 5	7.2042	7.66	Q V				
3+10	7.2205	2.37	Q V				
3+15	7.2254	0.72	Q V				
3+20	7.2271	0.24	Q V				
3+25	7.2276	0.07	Q V				
3+30	7.2277	0.01	Q V				

```
          U n i t   H y d r o g r a p h   A n a l y s i s

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                  Study date  08/05/24 File: MESAP10H1006100.out


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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10H
8/05/24
------------------------------------------------------------------------
Drainage Area =      48.31(Ac.)  =      0.075 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      48.31(Ac.)  =
0.075 Sq. Mi.
Length along longest watercourse =    2602.00(Ft.)
Length along longest watercourse measured to centroid =    1219.00(Ft.)
Length along longest watercourse =      0.493 Mi.
Length along longest watercourse measured to centroid =      0.231 Mi.
Difference in elevation =      28.20(Ft.)
Slope along watercourse =     57.2237 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.073 Hr.
Lag time =     4.38 Min.
25% of lag time =     1.10 Min.
40% of lag time =     1.75 Min.
Unit time =     5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       48.31              1.35                   65.22

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       48.31              2.78                  134.30

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.350(In)
Area Averaged 100-Year Rainfall =    2.780(In)

Point rain (area averaged) =    2.780(In)
Areal adjustment factor =   99.98 %
Adjusted average point rain =    2.780(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
    20.870            92.00          0.900
     9.330            94.00          0.900
    10.190            95.00          0.900
     2.600            65.00          0.120
     2.670            77.00          0.120
     2.650            82.00          0.120
 Total Area Entered =     48.31(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900         0.020        0.432      0.009
94.0  94.0      0.078     0.900         0.015        0.193      0.003
95.0  95.0      0.065     0.900         0.012        0.211      0.003
65.0  65.0      0.416     0.120         0.371        0.054      0.020
77.0  77.0      0.279     0.120         0.249        0.055      0.014
82.0  82.0      0.221     0.120         0.197        0.055      0.011
                                                  Sum (F) =   0.059
Area averaged mean soil loss (F) (In/Hr) =  0.059
Minimum soil loss rate ((In/Hr)) =  0.029
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.290
------------------------------------------------------------------------

                U n i t   H y d r o g r a p h
                      FOOTHILL S-Curve
------------------------------------------------------------------------
                  Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        114.067         19.387             9.439
    2   0.167        228.134         56.177            27.351
    3   0.250        342.200         16.299             7.936
    4   0.333        456.267          5.734             2.792
    5   0.417        570.334          1.452             0.707
    6   0.500        684.401          0.734             0.357
    7   0.583        798.468          0.216             0.105
                                Sum = 100.000   Sum=     48.687
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low         (In/Hr)
  1   0.08     0.50      0.167       (  0.059)       0.048        0.118
  2   0.17     0.60      0.200       (  0.059)       0.058        0.142
  3   0.25     0.60      0.200       (  0.059)       0.058        0.142
  4   0.33     0.60      0.200       (  0.059)       0.058        0.142
  5   0.42     0.60      0.200       (  0.059)       0.058        0.142
  6   0.50     0.70      0.233          0.059    (  0.068)        0.175
```

7	0.58	0.70	0.233	0.059	(0.068)	0.175
8	0.67	0.70	0.233	0.059	(0.068)	0.175
9	0.75	0.70	0.233	0.059	(0.068)	0.175
10	0.83	0.70	0.233	0.059	(0.068)	0.175
11	0.92	0.70	0.233	0.059	(0.068)	0.175
12	1.00	0.80	0.267	0.059	(0.077)	0.208
13	1.08	0.80	0.267	0.059	(0.077)	0.208
14	1.17	0.80	0.267	0.059	(0.077)	0.208
15	1.25	0.80	0.267	0.059	(0.077)	0.208
16	1.33	0.80	0.267	0.059	(0.077)	0.208
17	1.42	0.80	0.267	0.059	(0.077)	0.208
18	1.50	0.80	0.267	0.059	(0.077)	0.208
19	1.58	0.80	0.267	0.059	(0.077)	0.208
20	1.67	0.80	0.267	0.059	(0.077)	0.208
21	1.75	0.80	0.267	0.059	(0.077)	0.208
22	1.83	0.80	0.267	0.059	(0.077)	0.208
23	1.92	0.80	0.267	0.059	(0.077)	0.208
24	2.00	0.90	0.300	0.059	(0.087)	0.242
25	2.08	0.80	0.267	0.059	(0.077)	0.208
26	2.17	0.90	0.300	0.059	(0.087)	0.242
27	2.25	0.90	0.300	0.059	(0.087)	0.242
28	2.33	0.90	0.300	0.059	(0.087)	0.242
29	2.42	0.90	0.300	0.059	(0.087)	0.242
30	2.50	0.90	0.300	0.059	(0.087)	0.242
31	2.58	0.90	0.300	0.059	(0.087)	0.242
32	2.67	0.90	0.300	0.059	(0.087)	0.242
33	2.75	1.00	0.334	0.059	(0.097)	0.275
34	2.83	1.00	0.334	0.059	(0.097)	0.275
35	2.92	1.00	0.334	0.059	(0.097)	0.275
36	3.00	1.00	0.334	0.059	(0.097)	0.275
37	3.08	1.00	0.334	0.059	(0.097)	0.275
38	3.17	1.10	0.367	0.059	(0.106)	0.308
39	3.25	1.10	0.367	0.059	(0.106)	0.308
40	3.33	1.10	0.367	0.059	(0.106)	0.308
41	3.42	1.20	0.400	0.059	(0.116)	0.342
42	3.50	1.30	0.434	0.059	(0.126)	0.375
43	3.58	1.40	0.467	0.059	(0.135)	0.408
44	3.67	1.40	0.467	0.059	(0.135)	0.408
45	3.75	1.50	0.500	0.059	(0.145)	0.442
46	3.83	1.50	0.500	0.059	(0.145)	0.442
47	3.92	1.60	0.534	0.059	(0.155)	0.475
48	4.00	1.60	0.534	0.059	(0.155)	0.475
49	4.08	1.70	0.567	0.059	(0.164)	0.508
50	4.17	1.80	0.600	0.059	(0.174)	0.542
51	4.25	1.90	0.634	0.059	(0.184)	0.575
52	4.33	2.00	0.667	0.059	(0.193)	0.609
53	4.42	2.10	0.700	0.059	(0.203)	0.642
54	4.50	2.10	0.700	0.059	(0.203)	0.642
55	4.58	2.20	0.734	0.059	(0.213)	0.675
56	4.67	2.30	0.767	0.059	(0.222)	0.709
57	4.75	2.40	0.801	0.059	(0.232)	0.742
58	4.83	2.40	0.801	0.059	(0.232)	0.742
59	4.92	2.50	0.834	0.059	(0.242)	0.775
60	5.00	2.60	0.867	0.059	(0.251)	0.809
61	5.08	3.10	1.034	0.059	(0.300)	0.975
62	5.17	3.60	1.201	0.059	(0.348)	1.142
63	5.25	3.90	1.301	0.059	(0.377)	1.242
64	5.33	4.20	1.401	0.059	(0.406)	1.342
65	5.42	4.70	1.568	0.059	(0.455)	1.509
66	5.50	5.60	1.868	0.059	(0.542)	1.809
67	5.58	1.90	0.634	0.059	(0.184)	0.575
68	5.67	0.90	0.300	0.059	(0.087)	0.242
69	5.75	0.60	0.200	0.059	(0.059)	0.058	0.142
70	5.83	0.50	0.167	0.059	(0.059)	0.048	0.118
71	5.92	0.30	0.100	0.059	(0.059)	0.029	0.071
72	6.00	0.20	0.067	0.059	(0.059)	0.019	0.047

(Loss Rate Not Used)

Sum = 100.0 Sum = 29.2

Flood volume = Effective rainfall 2.44(In)
times area 48.3(Ac.)/[(In)/(Ft.)] = 9.8(Ac.Ft)
Total soil loss = 0.34(In)
Total soil loss = 1.384(Ac.Ft)
Total rainfall = 2.78(In)
Flood volume = 427148.5 Cubic Feet
Total soil loss = 60286.1 Cubic Feet

Peak flow rate of this hydrograph = 73.753(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	20.0	40.0	60.0	80.0
0+ 5	0.0077	1.12	Q				
0+10	0.0393	4.58	V Q				
0+15	0.0818	6.17	V Q				
0+20	0.1278	6.69	V Q				
0+25	0.1749	6.84	V Q				
0+30	0.2246	7.21	V Q				
0+35	0.2805	8.13	V Q				
0+40	0.3383	8.39	V Q				
0+45	0.3967	8.48	V Q				
0+50	0.4553	8.51	V Q				
0+55	0.5140	8.52	V Q				
1+ 0	0.5748	8.84	V Q				
1+ 5	0.6420	9.75	V Q				
1+10	0.7109	10.01	V Q				
1+15	0.7805	10.11	V Q				
1+20	0.8503	10.13	V Q				
1+25	0.9201	10.14	V Q				
1+30	0.9900	10.15	VQ				
1+35	1.0599	10.15	VQ				
1+40	1.1297	10.15	VQ				
1+45	1.1996	10.15	VQ				
1+50	1.2695	10.15	Q				
1+55	1.3393	10.15	Q				
2+ 0	1.4114	10.46	Q				
2+ 5	1.4875	11.06	QV				
2+10	1.5614	10.72	QV				
2+15	1.6404	11.47	QV				
2+20	1.7207	11.66	Q V				
2+25	1.8015	11.74	Q V				
2+30	1.8825	11.76	Q V				
2+35	1.9636	11.77	Q V				
2+40	2.0446	11.77	Q V				
2+45	2.1279	12.08	Q V				
2+50	2.2174	13.00	Q V				
2+55	2.3087	13.26	Q V				
3+ 0	2.4007	13.36	Q V				
3+ 5	2.4928	13.38	Q V				

```
   3+10       2.5872     13.71  |     Q   V         |          |          |
   3+15       2.6879     14.62  |      Q  V         |          |          |
   3+20       2.7905     14.89  |      Q  |V        |          |          |
   3+25       2.8958     15.30  |      Q  |V        |          |          |
   3+30       3.0098     16.55  |       Q | V       |          |          |
   3+35       3.1341     18.05  |        Q| V       |          |          |
   3+40       3.2672     19.33  |        Q|  V      |          |          |
   3+45       3.4051     20.02  |         Q  V      |          |          |
   3+50       3.5501     21.06  |         Q   V     |          |          |
   3+55       3.6995     21.68  |         Q    V    |          |          |
   4+ 0       3.8558     22.70  |         |Q   V    |          |          |
   4+ 5       4.0164     23.31  |         |Q    V   |          |          |
   4+10       4.1861     24.64  |         | Q    V  |          |          |
   4+15       4.3663     26.16  |         |  Q   V  |          |          |
   4+20       4.5575     27.76  |         |  Q    V |          |          |
   4+25       4.7598     29.37  |         |   Q    V|          |          |
   4+30       4.9711     30.68  |         |    Q    V          |          |
   4+35       5.1873     31.39  |         |    Q    |V         |          |
   4+40       5.4128     32.75  |         |     Q   | V       |          |
   4+45       5.6489     34.28  |         |      Q  |  V      |          |
   4+50       5.8939     35.57  |         |      Q  |   V     |          |
   4+55       6.1437     36.27  |         |       Q |    V    |          |
   5+ 0       6.4028     37.63  |         |       Q |     V   |          |
   5+ 5       6.6812     40.42  |         |         Q      V  |          |
   5+10       7.0044     46.93  |         |          |  Q    V |          |
   5+15       7.3755     53.88  |         |          |    Q   V          |
   5+20       7.7845     59.39  |         |          |       Q|V         |
   5+25       8.2329     65.10  |         |          |         | QV       |
   5+30       8.7408     73.75  |         |          |         |   VQ     |
   5+35       9.2371     72.06  |         |          |         |    QV    |
   5+40       9.4996     38.12  |         |         Q|         |      V   |
   5+45       9.6322     19.25  |         Q|         |         |         V|
   5+50       9.7045     10.49  |    Q     |         |         |         V|
   5+55       9.7522      6.93  |  Q       |         |         |         V|
   6+ 0       9.7818      4.30  | Q        |         |         |         V|
   6+ 5       9.7986      2.44  |Q         |         |         |         V|
   6+10       9.8036      0.73  Q          |         |         |         V|
   6+15       9.8053      0.24  Q          |         |         |         V|
   6+20       9.8058      0.07  Q          |         |         |         V|
   6+25       9.8059      0.02  Q          |         |         |         V|
   6+30       9.8060      0.00  Q          |         |         |          V
-------------------------------------------------------------------------
```

```
          U n i t   H y d r o g r a p h   A n a l y s i s

          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
                  Study date  08/05/24 File: MESAP10H10024100.out

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------------------------------------------------------------------------------

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978


Program License Serial Number 6406

------------------------------------------------------------------------
 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format



------------------------------------------------------------------------
MESA VERDE ESTATES
PROPOSED CONDITION
AREA 10H
8/05/24
------------------------------------------------------------------------
Drainage Area =      48.31(Ac.)  =      0.075 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment =      48.31(Ac.)  =
0.075 Sq. Mi.
Length along longest watercourse =    2602.00(Ft.)
Length along longest watercourse measured to centroid =    1219.00(Ft.)
Length along longest watercourse =      0.493 Mi.
Length along longest watercourse measured to centroid =      0.231 Mi.
Difference in elevation =      28.20(Ft.)
Slope along watercourse =     57.2237 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time =    0.073 Hr.
Lag time =     4.38 Min.
25% of lag time =     1.10 Min.
40% of lag time =     1.75 Min.
Unit time =     5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow =     0.00(CFS)

2 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       48.31              2.45                 118.36

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
       48.31              6.08                 293.72

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    2.450(In)
Area Averaged 100-Year Rainfall =    6.080(In)

Point rain (area averaged) =    6.080(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    6.079(In)

Sub-Area Data:
Area(Ac.)          Runoff Index   Impervious %
    20.870            92.00          0.900
     9.330            94.00          0.900
    10.190            95.00          0.900
     2.600            65.00          0.120
     2.670            77.00          0.120
     2.650            82.00          0.120
 Total Area Entered =     48.31(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)     (Dec.%)     (In/Hr)       (Dec.)    (In/Hr)
92.0  92.0      0.104     0.900         0.020        0.432      0.009
94.0  94.0      0.078     0.900         0.015        0.193      0.003
95.0  95.0      0.065     0.900         0.012        0.211      0.003
65.0  65.0      0.416     0.120         0.371        0.054      0.020
77.0  77.0      0.279     0.120         0.249        0.055      0.014
82.0  82.0      0.221     0.120         0.197        0.055      0.011
                                                  Sum (F) =   0.059
Area averaged mean soil loss (F) (In/Hr) =  0.059
Minimum soil loss rate ((In/Hr)) =  0.029
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.290
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                U n i t   H y d r o g r a p h
                      FOOTHILL S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        114.067         19.387             9.439
    2   0.167        228.134         56.177            27.351
    3   0.250        342.200         16.299             7.936
    4   0.333        456.267          5.734             2.792
    5   0.417        570.334          1.452             0.707
    6   0.500        684.401          0.734             0.357
    7   0.583        798.468          0.216             0.105
                              Sum = 100.000   Sum=      48.687
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     0.07      0.049       (  0.104)       0.014        0.035
  2   0.17     0.07      0.049       (  0.103)       0.014        0.035
  3   0.25     0.07      0.049       (  0.103)       0.014        0.035
  4   0.33     0.10      0.073       (  0.103)       0.021        0.052
  5   0.42     0.10      0.073       (  0.102)       0.021        0.052
  6   0.50     0.10      0.073       (  0.102)       0.021        0.052
```

7	0.58	0.10	0.073	(0.101)	0.021	0.052
8	0.67	0.10	0.073	(0.101)	0.021	0.052
9	0.75	0.10	0.073	(0.101)	0.021	0.052
10	0.83	0.13	0.097	(0.100)	0.028	0.069
11	0.92	0.13	0.097	(0.100)	0.028	0.069
12	1.00	0.13	0.097	(0.099)	0.028	0.069
13	1.08	0.10	0.073	(0.099)	0.021	0.052
14	1.17	0.10	0.073	(0.099)	0.021	0.052
15	1.25	0.10	0.073	(0.098)	0.021	0.052
16	1.33	0.10	0.073	(0.098)	0.021	0.052
17	1.42	0.10	0.073	(0.098)	0.021	0.052
18	1.50	0.10	0.073	(0.097)	0.021	0.052
19	1.58	0.10	0.073	(0.097)	0.021	0.052
20	1.67	0.10	0.073	(0.096)	0.021	0.052
21	1.75	0.10	0.073	(0.096)	0.021	0.052
22	1.83	0.13	0.097	(0.096)	0.028	0.069
23	1.92	0.13	0.097	(0.095)	0.028	0.069
24	2.00	0.13	0.097	(0.095)	0.028	0.069
25	2.08	0.13	0.097	(0.094)	0.028	0.069
26	2.17	0.13	0.097	(0.094)	0.028	0.069
27	2.25	0.13	0.097	(0.094)	0.028	0.069
28	2.33	0.13	0.097	(0.093)	0.028	0.069
29	2.42	0.13	0.097	(0.093)	0.028	0.069
30	2.50	0.13	0.097	(0.093)	0.028	0.069
31	2.58	0.17	0.122	(0.092)	0.035	0.086
32	2.67	0.17	0.122	(0.092)	0.035	0.086
33	2.75	0.17	0.122	(0.091)	0.035	0.086
34	2.83	0.17	0.122	(0.091)	0.035	0.086
35	2.92	0.17	0.122	(0.091)	0.035	0.086
36	3.00	0.17	0.122	(0.090)	0.035	0.086
37	3.08	0.17	0.122	(0.090)	0.035	0.086
38	3.17	0.17	0.122	(0.089)	0.035	0.086
39	3.25	0.17	0.122	(0.089)	0.035	0.086
40	3.33	0.17	0.122	(0.089)	0.035	0.086
41	3.42	0.17	0.122	(0.088)	0.035	0.086
42	3.50	0.17	0.122	(0.088)	0.035	0.086
43	3.58	0.17	0.122	(0.088)	0.035	0.086
44	3.67	0.17	0.122	(0.087)	0.035	0.086
45	3.75	0.17	0.122	(0.087)	0.035	0.086
46	3.83	0.20	0.146	(0.087)	0.042	0.104
47	3.92	0.20	0.146	(0.086)	0.042	0.104
48	4.00	0.20	0.146	(0.086)	0.042	0.104
49	4.08	0.20	0.146	(0.085)	0.042	0.104
50	4.17	0.20	0.146	(0.085)	0.042	0.104
51	4.25	0.20	0.146	(0.085)	0.042	0.104
52	4.33	0.23	0.170	(0.084)	0.049	0.121
53	4.42	0.23	0.170	(0.084)	0.049	0.121
54	4.50	0.23	0.170	(0.084)	0.049	0.121
55	4.58	0.23	0.170	(0.083)	0.049	0.121
56	4.67	0.23	0.170	(0.083)	0.049	0.121
57	4.75	0.23	0.170	(0.083)	0.049	0.121
58	4.83	0.27	0.195	(0.082)	0.056	0.138
59	4.92	0.27	0.195	(0.082)	0.056	0.138
60	5.00	0.27	0.195	(0.082)	0.056	0.138
61	5.08	0.20	0.146	(0.081)	0.042	0.104
62	5.17	0.20	0.146	(0.081)	0.042	0.104
63	5.25	0.20	0.146	(0.080)	0.042	0.104
64	5.33	0.23	0.170	(0.080)	0.049	0.121
65	5.42	0.23	0.170	(0.080)	0.049	0.121
66	5.50	0.23	0.170	(0.079)	0.049	0.121
67	5.58	0.27	0.195	(0.079)	0.056	0.138
68	5.67	0.27	0.195	(0.079)	0.056	0.138
69	5.75	0.27	0.195	(0.078)	0.056	0.138
70	5.83	0.27	0.195	(0.078)	0.056	0.138
71	5.92	0.27	0.195	(0.078)	0.056	0.138
72	6.00	0.27	0.195	(0.077)	0.056	0.138
73	6.08	0.30	0.219	(0.077)	0.063	0.155
74	6.17	0.30	0.219	(0.077)	0.063	0.155
75	6.25	0.30	0.219	(0.076)	0.063	0.155
76	6.33	0.30	0.219	(0.076)	0.063	0.155
77	6.42	0.30	0.219	(0.076)	0.063	0.155
78	6.50	0.30	0.219	(0.075)	0.063	0.155
79	6.58	0.33	0.243	(0.075)	0.071	0.173
80	6.67	0.33	0.243	(0.075)	0.071	0.173
81	6.75	0.33	0.243	(0.074)	0.071	0.173
82	6.83	0.33	0.243	(0.074)	0.071	0.173
83	6.92	0.33	0.243	(0.074)	0.071	0.173
84	7.00	0.33	0.243	(0.073)	0.071	0.173
85	7.08	0.33	0.243	(0.073)	0.071	0.173
86	7.17	0.33	0.243	(0.073)	0.071	0.173
87	7.25	0.33	0.243	(0.072)	0.071	0.173
88	7.33	0.37	0.267	0.072	(0.078)	0.196
89	7.42	0.37	0.267	0.072	(0.078)	0.196
90	7.50	0.37	0.267	0.071	(0.078)	0.196
91	7.58	0.40	0.292	0.071	(0.085)	0.221
92	7.67	0.40	0.292	0.071	(0.085)	0.221
93	7.75	0.40	0.292	0.070	(0.085)	0.222
94	7.83	0.43	0.316	0.070	(0.092)	0.246
95	7.92	0.43	0.316	0.070	(0.092)	0.246
96	8.00	0.43	0.316	0.069	(0.092)	0.247
97	8.08	0.50	0.365	0.069	(0.106)	0.296
98	8.17	0.50	0.365	0.069	(0.106)	0.296
99	8.25	0.50	0.365	0.068	(0.106)	0.296
100	8.33	0.50	0.365	0.068	(0.106)	0.297
101	8.42	0.50	0.365	0.068	(0.106)	0.297
102	8.50	0.50	0.365	0.067	(0.106)	0.297
103	8.58	0.53	0.389	0.067	(0.113)	0.322
104	8.67	0.53	0.389	0.067	(0.113)	0.322
105	8.75	0.53	0.389	0.066	(0.113)	0.323
106	8.83	0.57	0.413	0.066	(0.120)	0.347
107	8.92	0.57	0.413	0.066	(0.120)	0.348
108	9.00	0.57	0.413	0.066	(0.120)	0.348
109	9.08	0.63	0.462	0.065	(0.134)	0.397
110	9.17	0.63	0.462	0.065	(0.134)	0.397
111	9.25	0.63	0.462	0.065	(0.134)	0.397
112	9.33	0.67	0.486	0.064	(0.141)	0.422
113	9.42	0.67	0.486	0.064	(0.141)	0.422
114	9.50	0.67	0.486	0.064	(0.141)	0.423
115	9.58	0.70	0.511	0.063	(0.148)	0.447
116	9.67	0.70	0.511	0.063	(0.148)	0.448
117	9.75	0.70	0.511	0.063	(0.148)	0.448
118	9.83	0.73	0.535	0.062	(0.155)	0.473
119	9.92	0.73	0.535	0.062	(0.155)	0.473
120	10.00	0.73	0.535	0.062	(0.155)	0.473
121	10.08	0.50	0.365	0.062	(0.106)	0.303
122	10.17	0.50	0.365	0.061	(0.106)	0.304
123	10.25	0.50	0.365	0.061	(0.106)	0.304
124	10.33	0.50	0.365	0.061	(0.106)	0.304
125	10.42	0.50	0.365	0.060	(0.106)	0.304
126	10.50	0.50	0.365	0.060	(0.106)	0.305
127	10.58	0.67	0.486	0.060	(0.141)	0.427
128	10.67	0.67	0.486	0.059	(0.141)	0.427
129	10.75	0.67	0.486	0.059	(0.141)	0.427
130	10.83	0.67	0.486	0.059	(0.141)	0.427

131	10.92	0.67	0.486	0.059	(0.141)	0.428
132	11.00	0.67	0.486	0.058	(0.141)	0.428
133	11.08	0.63	0.462	0.058	(0.134)	0.404
134	11.17	0.63	0.462	0.058	(0.134)	0.404
135	11.25	0.63	0.462	0.057	(0.134)	0.405
136	11.33	0.63	0.462	0.057	(0.134)	0.405
137	11.42	0.63	0.462	0.057	(0.134)	0.405
138	11.50	0.63	0.462	0.057	(0.134)	0.405
139	11.58	0.57	0.413	0.056	(0.120)	0.357
140	11.67	0.57	0.413	0.056	(0.120)	0.357
141	11.75	0.57	0.413	0.056	(0.120)	0.358
142	11.83	0.60	0.438	0.056	(0.127)	0.382
143	11.92	0.60	0.438	0.055	(0.127)	0.382
144	12.00	0.60	0.438	0.055	(0.127)	0.383
145	12.08	0.83	0.608	0.055	(0.176)	0.553
146	12.17	0.83	0.608	0.054	(0.176)	0.554
147	12.25	0.83	0.608	0.054	(0.176)	0.554
148	12.33	0.87	0.632	0.054	(0.183)	0.578
149	12.42	0.87	0.632	0.054	(0.183)	0.579
150	12.50	0.87	0.632	0.053	(0.183)	0.579
151	12.58	0.93	0.681	0.053	(0.197)	0.628
152	12.67	0.93	0.681	0.053	(0.197)	0.628
153	12.75	0.93	0.681	0.053	(0.197)	0.628
154	12.83	0.97	0.705	0.052	(0.205)	0.653
155	12.92	0.97	0.705	0.052	(0.205)	0.653
156	13.00	0.97	0.705	0.052	(0.205)	0.653
157	13.08	1.13	0.827	0.051	(0.240)	0.775
158	13.17	1.13	0.827	0.051	(0.240)	0.776
159	13.25	1.13	0.827	0.051	(0.240)	0.776
160	13.33	1.13	0.827	0.051	(0.240)	0.776
161	13.42	1.13	0.827	0.050	(0.240)	0.776
162	13.50	1.13	0.827	0.050	(0.240)	0.777
163	13.58	0.77	0.559	0.050	(0.162)	0.509
164	13.67	0.77	0.559	0.050	(0.162)	0.510
165	13.75	0.77	0.559	0.049	(0.162)	0.510
166	13.83	0.77	0.559	0.049	(0.162)	0.510
167	13.92	0.77	0.559	0.049	(0.162)	0.510
168	14.00	0.77	0.559	0.049	(0.162)	0.511
169	14.08	0.90	0.657	0.048	(0.190)	0.608
170	14.17	0.90	0.657	0.048	(0.190)	0.608
171	14.25	0.90	0.657	0.048	(0.190)	0.609
172	14.33	0.87	0.632	0.048	(0.183)	0.585
173	14.42	0.87	0.632	0.047	(0.183)	0.585
174	14.50	0.87	0.632	0.047	(0.183)	0.585
175	14.58	0.87	0.632	0.047	(0.183)	0.585
176	14.67	0.87	0.632	0.047	(0.183)	0.586
177	14.75	0.87	0.632	0.046	(0.183)	0.586
178	14.83	0.83	0.608	0.046	(0.176)	0.562
179	14.92	0.83	0.608	0.046	(0.176)	0.562
180	15.00	0.83	0.608	0.046	(0.176)	0.562
181	15.08	0.80	0.584	0.046	(0.169)	0.538
182	15.17	0.80	0.584	0.045	(0.169)	0.538
183	15.25	0.80	0.584	0.045	(0.169)	0.539
184	15.33	0.77	0.559	0.045	(0.162)	0.514
185	15.42	0.77	0.559	0.045	(0.162)	0.515
186	15.50	0.77	0.559	0.044	(0.162)	0.515
187	15.58	0.63	0.462	0.044	(0.134)	0.418
188	15.67	0.63	0.462	0.044	(0.134)	0.418
189	15.75	0.63	0.462	0.044	(0.134)	0.418
190	15.83	0.63	0.462	0.043	(0.134)	0.419
191	15.92	0.63	0.462	0.043	(0.134)	0.419
192	16.00	0.63	0.462	0.043	(0.134)	0.419
193	16.08	0.13	0.097	0.043	(0.028)	0.069
194	16.17	0.13	0.097	0.043	(0.028)	0.069
195	16.25	0.13	0.097	0.042	(0.028)	0.069
196	16.33	0.13	0.097	0.042	(0.028)	0.069
197	16.42	0.13	0.097	0.042	(0.028)	0.069
198	16.50	0.13	0.097	0.042	(0.028)	0.069
199	16.58	0.10	0.073	0.041	(0.021)	0.052
200	16.67	0.10	0.073	0.041	(0.021)	0.052
201	16.75	0.10	0.073	0.041	(0.021)	0.052
202	16.83	0.10	0.073	0.041	(0.021)	0.052
203	16.92	0.10	0.073	0.041	(0.021)	0.052
204	17.00	0.10	0.073	0.040	(0.021)	0.052
205	17.08	0.17	0.122	0.040	(0.035)	0.086
206	17.17	0.17	0.122	0.040	(0.035)	0.086
207	17.25	0.17	0.122	0.040	(0.035)	0.086
208	17.33	0.17	0.122	0.040	(0.035)	0.086
209	17.42	0.17	0.122	0.039	(0.035)	0.086
210	17.50	0.17	0.122	0.039	(0.035)	0.086
211	17.58	0.17	0.122	0.039	(0.035)	0.086
212	17.67	0.17	0.122	0.039	(0.035)	0.086
213	17.75	0.17	0.122	0.039	(0.035)	0.086
214	17.83	0.13	0.097	0.038	(0.028)	0.069
215	17.92	0.13	0.097	0.038	(0.028)	0.069
216	18.00	0.13	0.097	0.038	(0.028)	0.069
217	18.08	0.13	0.097	0.038	(0.028)	0.069
218	18.17	0.13	0.097	0.038	(0.028)	0.069
219	18.25	0.13	0.097	0.038	(0.028)	0.069
220	18.33	0.13	0.097	0.037	(0.028)	0.069
221	18.42	0.13	0.097	0.037	(0.028)	0.069
222	18.50	0.13	0.097	0.037	(0.028)	0.069
223	18.58	0.10	0.073	0.037	(0.021)	0.052
224	18.67	0.10	0.073	0.037	(0.021)	0.052
225	18.75	0.10	0.073	0.036	(0.021)	0.052
226	18.83	0.07	0.049	0.036	(0.014)	0.035
227	18.92	0.07	0.049	0.036	(0.014)	0.035
228	19.00	0.07	0.049	0.036	(0.014)	0.035
229	19.08	0.10	0.073	0.036	(0.021)	0.052
230	19.17	0.10	0.073	0.036	(0.021)	0.052
231	19.25	0.10	0.073	0.035	(0.021)	0.052
232	19.33	0.13	0.097	0.035	(0.028)	0.069
233	19.42	0.13	0.097	0.035	(0.028)	0.069
234	19.50	0.13	0.097	0.035	(0.028)	0.069
235	19.58	0.10	0.073	0.035	(0.021)	0.052
236	19.67	0.10	0.073	0.035	(0.021)	0.052
237	19.75	0.10	0.073	0.034	(0.021)	0.052
238	19.83	0.07	0.049	0.034	(0.014)	0.035
239	19.92	0.07	0.049	0.034	(0.014)	0.035
240	20.00	0.07	0.049	0.034	(0.014)	0.035
241	20.08	0.10	0.073	0.034	(0.021)	0.052
242	20.17	0.10	0.073	0.034	(0.021)	0.052
243	20.25	0.10	0.073	0.034	(0.021)	0.052
244	20.33	0.10	0.073	0.033	(0.021)	0.052
245	20.42	0.10	0.073	0.033	(0.021)	0.052
246	20.50	0.10	0.073	0.033	(0.021)	0.052
247	20.58	0.10	0.073	0.033	(0.021)	0.052
248	20.67	0.10	0.073	0.033	(0.021)	0.052
249	20.75	0.10	0.073	0.033	(0.021)	0.052
250	20.83	0.07	0.049	0.033	(0.014)	0.035
251	20.92	0.07	0.049	0.032	(0.014)	0.035
252	21.00	0.07	0.049	0.032	(0.014)	0.035
253	21.08	0.10	0.073	0.032	(0.021)	0.052
254	21.17	0.10	0.073	0.032	(0.021)	0.052

255	21.25	0.10	0.073	(0.032)	0.021	0.052
256	21.33	0.07	0.049	(0.032)	0.014	0.035
257	21.42	0.07	0.049	(0.032)	0.014	0.035
258	21.50	0.07	0.049	(0.032)	0.014	0.035
259	21.58	0.10	0.073	(0.031)	0.021	0.052
260	21.67	0.10	0.073	(0.031)	0.021	0.052
261	21.75	0.10	0.073	(0.031)	0.021	0.052
262	21.83	0.07	0.049	(0.031)	0.014	0.035
263	21.92	0.07	0.049	(0.031)	0.014	0.035
264	22.00	0.07	0.049	(0.031)	0.014	0.035
265	22.08	0.10	0.073	(0.031)	0.021	0.052
266	22.17	0.10	0.073	(0.031)	0.021	0.052
267	22.25	0.10	0.073	(0.031)	0.021	0.052
268	22.33	0.07	0.049	(0.031)	0.014	0.035
269	22.42	0.07	0.049	(0.030)	0.014	0.035
270	22.50	0.07	0.049	(0.030)	0.014	0.035
271	22.58	0.07	0.049	(0.030)	0.014	0.035
272	22.67	0.07	0.049	(0.030)	0.014	0.035
273	22.75	0.07	0.049	(0.030)	0.014	0.035
274	22.83	0.07	0.049	(0.030)	0.014	0.035
275	22.92	0.07	0.049	(0.030)	0.014	0.035
276	23.00	0.07	0.049	(0.030)	0.014	0.035
277	23.08	0.07	0.049	(0.030)	0.014	0.035
278	23.17	0.07	0.049	(0.030)	0.014	0.035
279	23.25	0.07	0.049	(0.030)	0.014	0.035
280	23.33	0.07	0.049	(0.030)	0.014	0.035
281	23.42	0.07	0.049	(0.030)	0.014	0.035
282	23.50	0.07	0.049	(0.029)	0.014	0.035
283	23.58	0.07	0.049	(0.029)	0.014	0.035
284	23.67	0.07	0.049	(0.029)	0.014	0.035
285	23.75	0.07	0.049	(0.029)	0.014	0.035
286	23.83	0.07	0.049	(0.029)	0.014	0.035
287	23.92	0.07	0.049	(0.029)	0.014	0.035
288	24.00	0.07	0.049	(0.029)	0.014	0.035

(Loss Rate Not Used)

Sum = 100.0 Sum = 61.4

Flood volume = Effective rainfall 5.12(In)
times area 48.3(Ac.)/[(In)/(Ft.)] = 20.6(Ac.Ft)
Total soil loss = 0.96(In)
Total soil loss = 3.872(Ac.Ft)
Total rainfall = 6.08(In)
Flood volume = 897436.1 Cubic Feet
Total soil loss = 168684.3 Cubic Feet

Peak flow rate of this hydrograph = 37.804(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

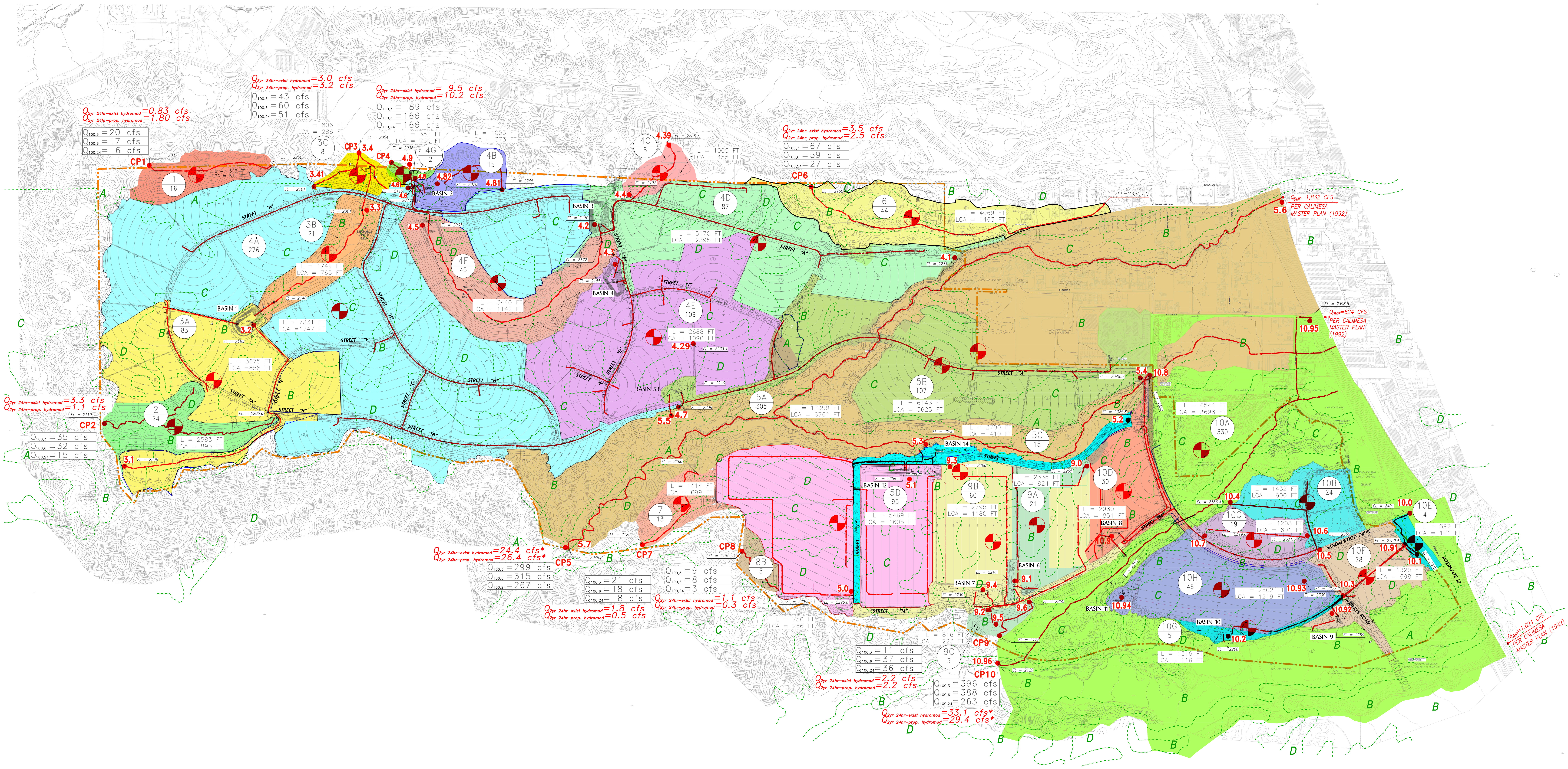
Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0022	0.33	Q	|	|	|	|
0+10	0.0110	1.27	VQ	|	|	|	|
0+15	0.0216	1.55	VQ	|	|	|	|
0+20	0.0341	1.80	VQ	|	|	|	|
0+25	0.0499	2.30	V Q	|	|	|	|
0+30	0.0668	2.45	V Q	|	|	|	|
0+35	0.0840	2.50	V Q	|	|	|	|
0+40	0.1014	2.52	V Q	|	|	|	|
0+45	0.1187	2.52	V Q	|	|	|	|
0+50	0.1372	2.69	V Q	|	|	|	|
0+55	0.1590	3.16	V Q	|	|	|	|
1+ 0	0.1817	3.30	V Q	|	|	|	|
1+ 5	0.2036	3.18	V Q	|	|	|	|
1+10	0.2223	2.72	V Q	|	|	|	|
1+15	0.2402	2.59	V Q	|	|	|	|
1+20	0.2577	2.54	V Q	|	|	|	|
1+25	0.2751	2.53	V Q	|	|	|	|
1+30	0.2925	2.52	V Q	|	|	|	|
1+35	0.3099	2.52	V Q	|	|	|	|
1+40	0.3273	2.52	V Q	|	|	|	|
1+45	0.3446	2.52	V Q	|	|	|	|
1+50	0.3631	2.69	V Q	|	|	|	|
1+55	0.3849	3.16	V Q	|	|	|	|
2+ 0	0.4076	3.30	V Q	|	|	|	|
2+ 5	0.4306	3.34	V Q	|	|	|	|
2+10	0.4537	3.36	V Q	|	|	|	|
2+15	0.4769	3.36	V Q	|	|	|	|
2+20	0.5001	3.36	V Q	|	|	|	|
2+25	0.5232	3.36	|V Q	|	|	|	|
2+30	0.5464	3.36	|V Q	|	|	|	|
2+35	0.5707	3.53	|V Q	|	|	|	|
2+40	0.5982	4.00	|V Q	|	|	|	|
2+45	0.6267	4.14	|V Q	|	|	|	|
2+50	0.6555	4.19	|V Q	|	|	|	|
2+55	0.6845	4.20	|V Q	|	|	|	|
3+ 0	0.7134	4.20	|V Q	|	|	|	|
3+ 5	0.7424	4.21	|V Q	|	|	|	|
3+10	0.7713	4.21	|V Q	|	|	|	|
3+15	0.8003	4.21	|V Q	|	|	|	|
3+20	0.8292	4.21	|V Q	|	|	|	|
3+25	0.8582	4.21	|V Q	|	|	|	|
3+30	0.8872	4.21	|V Q	|	|	|	|
3+35	0.9161	4.21	|V Q	|	|	|	|
3+40	0.9451	4.21	|V Q	|	|	|	|
3+45	0.9741	4.21	|V Q	|	|	|	|
3+50	1.0041	4.37	|V Q	|	|	|	|
3+55	1.0375	4.84	| V Q	|	|	|	|
4+ 0	1.0718	4.98	| V Q	|	|	|	|
4+ 5	1.1064	5.03	| V Q	|	|	|	|
4+10	1.1411	5.04	| V Q	|	|	|	|
4+15	1.1758	5.04	| V Q	|	|	|	|
4+20	1.2117	5.21	| V Q	|	|	|	|
4+25	1.2508	5.68	| V Q	|	|	|	|
4+30	1.2909	5.82	| V Q	|	|	|	|
4+35	1.3313	5.87	| V Q	|	|	|	|
4+40	1.3718	5.88	| V Q	|	|	|	|
4+45	1.4123	5.89	| V Q	|	|	|	|
4+50	1.4540	6.05	| V Q	|	|	|	|
4+55	1.4989	6.52	| V Q	|	|	|	|
5+ 0	1.5448	6.66	| V Q	|	|	|	|
5+ 5	1.5887	6.38	| V Q	|	|	|	|
5+10	1.6263	5.45	| V Q	|	|	|	|
5+15	1.6620	5.18	| V Q	|	|	|	|
5+20	1.6981	5.25	| V Q	|	|	|	|
5+25	1.7374	5.70	| V Q	|	|	|	|
5+30	1.7775	5.82	| V Q	|	|	|	|
5+35	1.8190	6.03	| V Q	|	|	|	|
5+40	1.8639	6.51	| V Q	|	|	|	|
5+45	1.9097	6.66	| V Q	|	|	|	|

| | | |

```
16+10    18.9396    7.53  |      Q  |         |         |     V   |
16+15    18.9724    4.75  |    Q    |         |         |     V   |
16+20    18.9984    3.77  |   Q     |         |         |     V   |
16+25    19.0226    3.53  |   Q     |         |         |     V   |
16+30    19.0461    3.40  |   Q     |         |         |     V   |
16+35    19.0681    3.20  |   Q     |         |         |      V  |
16+40    19.0869    2.73  | Q       |         |         |      V  |
16+45    19.1048    2.59  | Q       |         |         |      V  |
16+50    19.1223    2.54  | Q       |         |         |      V  |
16+55    19.1397    2.53  | Q       |         |         |      V  |
17+ 0    19.1571    2.52  | Q       |         |         |      V  |
17+ 5    19.1767    2.85  | Q       |         |         |      V  |
17+10    19.2028    3.79  |   Q     |         |         |      V  |
17+15    19.2309    4.07  |    Q    |         |         |      V  |
17+20    19.2595    4.16  |    Q    |         |         |      V  |
17+25    19.2884    4.19  |    Q    |         |         |      V  |
17+30    19.3173    4.20  |    Q    |         |         |      V  |
17+35    19.3463    4.21  |    Q    |         |         |      V  |
17+40    19.3753    4.21  |    Q    |         |         |      V  |
17+45    19.4042    4.21  |    Q    |         |         |      V  |
17+50    19.4321    4.04  |    Q    |         |         |      V  |
17+55    19.4566    3.57  |   Q     |         |         |      V  |
18+ 0    19.4803    3.43  |   Q     |         |         |      V  |
18+ 5    19.5036    3.38  |   Q     |         |         |      V  |
18+10    19.5268    3.37  |   Q     |         |         |      V  |
18+15    19.5500    3.37  |   Q     |         |         |      V  |
18+20    19.5732    3.36  |   Q     |         |         |       V |
18+25    19.5963    3.36  |   Q     |         |         |       V |
18+30    19.6195    3.36  |   Q     |         |         |       V |
18+35    19.6416    3.20  |   Q     |         |         |       V |
18+40    19.6603    2.73  | Q       |         |         |       V |
18+45    19.6782    2.59  | Q       |         |         |       V |
18+50    19.6946    2.38  | Q       |         |         |       V |
18+55    19.7076    1.90  |Q        |         |         |       V |
19+ 0    19.7197    1.75  |Q        |         |         |       V |
19+ 5    19.7326    1.87  |Q        |         |         |       V |
19+10    19.7486    2.33  | Q       |         |         |       V |
19+15    19.7655    2.46  | Q       |         |         |       V |
19+20    19.7839    2.67  | Q       |         |         |       V |
19+25    19.8056    3.15  |   Q     |         |         |       V |
19+30    19.8282    3.29  |   Q     |         |         |       V |
19+35    19.8501    3.18  |   Q     |         |         |       V |
19+40    19.8689    2.72  | Q       |         |         |       V |
19+45    19.8867    2.59  | Q       |         |         |       V |
19+50    19.9031    2.38  | Q       |         |         |       V |
19+55    19.9162    1.90  |Q        |         |         |       V |
20+ 0    19.9282    1.75  |Q        |         |         |       V |
20+ 5    19.9411    1.87  |Q        |         |         |       V |
20+10    19.9571    2.33  | Q       |         |         |       V |
20+15    19.9740    2.46  | Q       |         |         |       V |
20+20    19.9913    2.50  | Q       |         |         |       V |
20+25    20.0086    2.52  | Q       |         |         |       V |
20+30    20.0259    2.52  | Q       |         |         |       V |
20+35    20.0433    2.52  | Q       |         |         |       V |
20+40    20.0607    2.52  | Q       |         |         |       V |
20+45    20.0781    2.52  | Q       |         |         |       V |
20+50    20.0943    2.36  | Q       |         |         |        V|
20+55    20.1073    1.89  |Q        |         |         |        V|
21+ 0    20.1194    1.75  |Q        |         |         |        V|
21+ 5    20.1322    1.87  |Q        |         |         |        V|
21+10    20.1482    2.33  | Q       |         |         |        V|
21+15    20.1652    2.46  | Q       |         |         |        V|
21+20    20.1813    2.34  | Q       |         |         |        V|
21+25    20.1942    1.88  |Q        |         |         |        V|
21+30    20.2063    1.75  |Q        |         |         |        V|
21+35    20.2191    1.87  |Q        |         |         |        V|
21+40    20.2351    2.33  | Q       |         |         |        V|
21+45    20.2521    2.46  | Q       |         |         |        V|
21+50    20.2682    2.34  | Q       |         |         |        V|
21+55    20.2811    1.88  |Q        |         |         |        V|
22+ 0    20.2932    1.75  |Q        |         |         |        V|
22+ 5    20.3060    1.87  |Q        |         |         |        V|
22+10    20.3220    2.33  | Q       |         |         |        V|
22+15    20.3389    2.46  | Q       |         |         |        V|
22+20    20.3551    2.34  | Q       |         |         |        V|
22+25    20.3680    1.88  |Q        |         |         |        V|
22+30    20.3800    1.75  |Q        |         |         |        V|
22+35    20.3918    1.70  |Q        |         |         |        V|
22+40    20.4034    1.69  |Q        |         |         |        V|
22+45    20.4150    1.68  |Q        |         |         |        V|
22+50    20.4266    1.68  |Q        |         |         |        V|
22+55    20.4382    1.68  |Q        |         |         |        V|
23+ 0    20.4498    1.68  |Q        |         |         |        V|
23+ 5    20.4613    1.68  |Q        |         |         |        V|
23+10    20.4729    1.68  |Q        |         |         |        V|
23+15    20.4845    1.68  |Q        |         |         |        V|
23+20    20.4961    1.68  |Q        |         |         |        V|
23+25    20.5077    1.68  |Q        |         |         |        V|
23+30    20.5193    1.68  |Q        |         |         |        V|
23+35    20.5308    1.68  |Q        |         |         |        V|
23+40    20.5424    1.68  |Q        |         |         |        V|
23+45    20.5540    1.68  |Q        |         |         |        V|
23+50    20.5656    1.68  |Q        |         |         |        V|
23+55    20.5772    1.68  |Q        |         |         |        V|
24+ 0    20.5888    1.68  |Q        |         |         |        V|
24+ 5    20.5981    1.36  |Q        |         |         |        V|
24+10    20.6009    0.41  Q         |         |         |        V|
24+15    20.6019    0.14  Q         |         |         |        V|
24+20    20.6022    0.04  Q         |         |         |        V|
24+25    20.6023    0.02  Q         |         |         |        V|
24+30    20.6023    0.00  Q         |         |         |        V|
-------------------------------------------------------------------
```

HYDROLOGY MAP



LEGEND

Symbol	Description
1 / 3.0	DRAINAGE AREA # / ACREAGE
(blue line)	MAJOR DRAINAGE AREA BOUNDARY
(orange dash-dot line)	PROJECT SITE BOUNDARY
(red line)	FLOW LINE (SURFACE FLOW)
● 1	NODE & NODE #
(green dashed line)	HYDROLOGIC SOILS GROUP BOUNDARY
(centroid symbol)	AREA CENTROID
Q_{DMP}=	DRAINAGE MASTER PLAN PEAK RUNOFF
$Q_{100,3}$=XXX cfs	100-YR 3-HR PEAK RUNOFF
$Q_{100,6}$=XXX cfs	100-YR 6-HR PEAK RUNOFF
$Q_{100,24}$=XXX cfs	100-YR 24-HR PEAK RUNOFF
$Q_{2yr\ 24hr-exist\ hydromod}$=XXX cfs	2-YR 24-HR EXIST PEAK RUNOFF HYDROMOD
$Q_{2yr\ 24hr-prop.\ hydromod}$=XXX cfs	2-YR 24-HR PROP. PEAK RUNOFF HYDROMOD

NOTE:
* PEAK FLOW RATES SHOWN DO NOT INCLUDE ADDITIONAL FLOW ORIGINATING EAST OF I-10 FREEWAY PER CALIMESA MASTER PLAN.

DATE PREPARED: 03-20-2023

PREPARED BY:

HUNSAKER & ASSOCIATES
IRVINE, INC.
PLANNING ▪ ENGINEERING ▪ SURVEYING
Three Hughes ▪ Irvine, CA 92618 ▪ PH: (949) 583-1010 ▪ FX: (949) 583-0759

0 250 500 1500 2000 2500
SCALE: 1" = 500'

HYDROLOGY MAP
POST-DEVELOPMENT CONDITION
MESA VERDE ESTATES
CALIMESA, CA

PLOTTED BY: Ha To Chau DATE: Apr. 18, 2025 02:45:05 PM FILE: F:\1227\Engineering\SY_Hydrology\Hydrology Maps\Hydrology Map- Mesa Verde Estates - Post-Development-7-31-2024_chk basins12&14.dwg

SECTION 4
BASIN & Hydrograph ROUTING CALCULATIONS

FLOW CHART

MESA VERDE ESTATES
DRAINAGE FLOW CHART
POST-DEVELOPMENT CONDITION

POST-DEVELOPMENT CONDITION

AREA 1
16.47AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 20 CFS
$Q_{100yr,6HR}$= 17 CFS
$Q_{100yr,24HR}$= 6 CFS
$Q_{2yr,24HR}$= 0.83 CFS

CP1

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 71 CFS		$Q_{100yr,3HR}$= 20 CFS
$Q_{100yr,6HR}$= 64 CFS	>	$Q_{100yr,6HR}$= 17 CFS
$Q_{100yr,24HR}$= 26 CFS		$Q_{100yr,24HR}$= 6 CFS
$Q_{2yr,24HR}$= 1.8 CFS		$Q_{2yr,24HR}$= 0.83 CFS

CP-1

POST-DEVELOPMENT CONDITION

AREA 2
24.04 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 35 CFS
$Q_{100yr,6HR}$= 32 CFS
$Q_{100yr,24HR}$= 15 CFS
$Q_{2yr,24HR}$= 1.1 CFS

CP2

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 130 CFS		$Q_{100yr,3HR}$= 35 CFS
$Q_{100yr,6HR}$= 119 CFS	>	$Q_{100yr,6HR}$= 32 CFS
$Q_{100yr,24HR}$= 58 CFS		$Q_{100yr,24HR}$= 15 CFS
$Q_{2yr,24HR}$= 3.3 CFS		$Q_{2yr,24HR}$= 1.1 CFS

CP-2

POST-DEVELOPMENT CONDITION

(NODE 3.1)
AREA 3A
82.99 AC
$Q_{100yr,3HR}$= 136.6 CFS
$Q_{100yr,6HR}$= 124.0 CFS
$Q_{100yr,24HR}$= 60.9 CFS
$Q_{2yr,24HR}$= 16.4 CFS

BASIN 1
FLOW THROUGH
$Q_{100yr,3HR}$= 18.6 CFS
$Q_{100yr,6HR}$= 34.7 CFS
$Q_{100yr,24HR}$= 40.0 CFS
$Q_{2yr,24HR}$= 1.7 CFS

(NODE 3.2)
AREA 3B
20.72 AC
$Q_{100yr,3HR}$= 30.4 CFS
$Q_{100yr,6HR}$= 27.2 CFS
$Q_{100yr,24HR}$= 12.1 CFS
$Q_{2yr,24HR}$= 1.4 CFS

(NODE 3.3)
AREA 3C
7.70 AC
$Q_{100yr,3HR}$= 33.2 CFS
$Q_{100yr,6HR}$= 53.1 CFS
$Q_{100yr,24HR}$= 47.6 CFS
$Q_{2yr,24HR}$= 2.9 CFS

(NODE 3.4)
$Q_{100yr,3HR}$= 11.2 CFS
$Q_{100yr,6HR}$= 10.2 CFS
$Q_{100yr,24HR}$= 4.2 CFS
$Q_{2yr,24HR}$= 0.4 CFS

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 43 CFS
$Q_{100yr,6HR}$= 60 CFS
$Q_{100yr,24HR}$= 51 CFS
$Q_{2yr,24HR}$= 3.2 CFS

CP3

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 119 CFS		Q_{3HR}= 43 CFS
$Q_{100yr,6HR}$= 109 CFS	>	Q_{6HR}= 60 CFS
$Q_{100yr,24HR}$= 53 CFS		Q_{24HR}= 51 CFS
$Q_{2yr,24HR}$= 3.0 CFS		$Q_{2yr,24HR}$= 3.2 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-3

POST-DEVELOPMENT CONDITION

(NODE 4.7) AREA 4A 275.54 AC
(NODE 4.81) AREA 4B 15.18 AC
(NODE 4.1) AREA 4D 87.40 AC
(NODE 4.29) AREA 4E 108.93 AC

$Q_{100yr,3HR}$= 455 CFS
$Q_{100yr,6HR}$= 419 CFS
$Q_{100yr,24HR}$= 212 CFS
$Q_{2yr,24HR}$= 62 CFS

(NODE 4.6)
FLOW DIVERSION STRUCTURE
3.9 CFS

$Q_{100yr,3HR}$= 23 CFS
$Q_{100yr,6HR}$= 22 CFS
$Q_{100yr,24HR}$= 9 CFS
$Q_{2yr,24HR}$= 0.5 CFS

$Q_{100yr,3HR}$= 147 CFS
$Q_{100yr,6HR}$= 135 CFS
$Q_{100yr,24HR}$= 69 CFS
$Q_{2yr,24HR}$= 23 CFS

$Q_{100yr,3HR}$= 186 CFS
$Q_{100yr,6HR}$= 170 CFS
$Q_{100yr,24HR}$= 86 CFS
$Q_{2yr,24HR}$= 28 CFS

$Q_{100yr,3HR}$= 474 CFS
$Q_{100yr,6HR}$= 432 CFS
$Q_{100yr,24HR}$= 218 CFS
$Q_{2yr,24HR}$= 58.2 CFS

BASIN 2
FLOWBY
NODE 4.82
$Q_{100yr,3HR}$= 53 CFS
$Q_{100yr,6HR}$= 125 CFS
$Q_{100yr,24HR}$= 125 CFS
$Q_{2yr,24HR}$= 1.7 CFS

BASIN 3
FLOW THROUGH
(NODE 4.2)
$Q_{100yr,3HR}$= 0.8 CFS
$Q_{100yr,6HR}$= 28 CFS
$Q_{100yr,24HR}$= 57 CFS
$Q_{2yr,24HR}$= 0.8 CFS

BASIN 4
FLOW THROUGH
(NODE 4.3)
$Q_{100yr,3HR}$= 14 CFS
$Q_{100yr,6HR}$= 99 CFS
$Q_{100yr,24HR}$= 79 CFS
$Q_{2yr,24HR}$= 1.0 CFS

$Q_{100yr,3HR}$= 40 CFS
$Q_{100yr,6HR}$= 40 CFS
$Q_{100yr,24HR}$= 40 CFS
$Q_{2yr,24HR}$= 8.6 CFS

NODE 4.61
(NODE 4.5) AREA 4F 45.41 AC
(NODE 4.4) AREA 4C 7.76 AC (NODE 4.39)

$Q_{100yr,3HR}$= 36 CFS
$Q_{100yr,6HR}$= 36 CFS
$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 4.7 CFS

$Q_{100yr,3HR}$= 61 CFS
$Q_{100yr,6HR}$= 56 CFS
$Q_{100yr,24HR}$= 27 CFS
$Q_{2yr,24HR}$= 3.0 CFS

$Q_{100yr,3HR}$= 12 CFS
$Q_{100yr,6HR}$= 11 CFS
$Q_{100yr,24HR}$= 5 CFS
$Q_{2yr,24HR}$= 0.3 CFS

NODE 4.8
$Q_{100yr,3HR}$= 89 CFS
$Q_{100yr,6HR}$= 165 CFS
$Q_{100yr,24HR}$= 165 CFS
$Q_{2yr,24HR}$= 10.1 CFS

AREA 4G
1.56 AC
$Q_{100yr,3HR}$= 2 CFS
$Q_{100yr,6HR}$= 2 CFS
$Q_{100yr,24HR}$= 0.8 CFS
$Q_{2yr,24HR}$= 0.08 CFS

(NODE 4.9)

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 89 CFS
$Q_{100yr,6HR}$= 166 CFS
$Q_{100yr,24HR}$= 166 CFS
$Q_{2yr,24HR}$= 10.2 CFS

CP4

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 334 CFS		Q_{3HR}= 89 CFS
$Q_{100yr,6HR}$= 304 CFS	>	Q_{6HR}= 166 CFS
$Q_{100yr,24HR}$= 169 CFS		Q_{24HR}= 166 CFS
$Q_{2yr,24HR}$= 9.5 CFS		$Q_{2yr,24HR}$= 10.2 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-4

POST-DEVELOPMENT CONDITION

(NODE 5.0) AREA 5D 95.35 AC
(NODE 5.2) AREA 5C 15.02 AC
(NODE 5.4) AREA 5B 106.64 AC
OFFSITE FLOW EAST OF I-10
Q_{100}=1,832 CFS

$Q_{100yr,3HR}$= 160 CFS
$Q_{100yr,6HR}$= 148 CFS
$Q_{100yr,24HR}$= 77 CFS
$Q_{2yr,24HR}$= 30 CFS

$Q_{100yr,3HR}$= 26 CFS
$Q_{100yr,6HR}$= 24 CFS
$Q_{100yr,24HR}$= 12 CFS
$Q_{2yr,24HR}$= 4 CFS

$Q_{100yr,3HR}$= 168 CFS
$Q_{100yr,6HR}$= 156 CFS
$Q_{100yr,24HR}$= 80 CFS
$Q_{2yr,24HR}$= 21 CFS

FLOW DIVERSION STRUCTURE
3.0 CFS

BASIN 12
FLOW THROUGH
(NODE 5.1)
$Q_{100yr,3HR}$= 43 CFS
$Q_{100yr,6HR}$= 109 CFS
$Q_{100yr,24HR}$= 74 CFS
$Q_{2yr,24HR}$= 11 CFS

BASIN 14
FLOWBY
(NODE 5.3)
$Q_{100yr,3HR}$= 13 CFS
$Q_{100yr,6HR}$= 32 CFS
$Q_{100yr,24HR}$= 67 CFS
$Q_{2yr,24HR}$= 9.0 CFS

BASIN 5B
FLOW THROUGH
(NODE 5.5)
$Q_{100yr,3HR}$= 12 CFS
$Q_{100yr,6HR}$= 30 CFS
$Q_{100yr,24HR}$= 60 CFS
$Q_{2yr,24HR}$= 2.1 CFS

AREA 5A
304.88 AC
(NODE 5.6)
$Q_{100yr,3HR}$= 282 CFS
$Q_{100yr,6HR}$= 260 CFS
$Q_{100yr,24HR}$= 155 CFS
$Q_{2yr,24HR}$= 19.5 CFS

(NODE 5.7)

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 299 CFS + Q_{100}=1,832 CFS
$Q_{100yr,6HR}$= 315 CFS
$Q_{100yr,24HR}$= 267 CFS
$Q_{2yr,24HR}$= 26.4 CFS

CP5

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 501 CFS		$Q_{100yr,3HR}$= 299 CFS
$Q_{100yr,6HR}$= 464 CFS	>	$Q_{100yr,6HR}$= 315 CFS
$Q_{100yr,24HR}$= 275 CFS		$Q_{100yr,24HR}$= 267 CFS
$Q_{2yr,24HR}$= 24.4 CFS		$Q_{2yr,24HR}$= 26.4 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-5

POST-DEVELOPMENT CONDITION

AREA 6
44.34 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 67 CFS
$Q_{100yr,6HR}$= 59 CFS
$Q_{100yr,24HR}$= 27 CFS
$Q_{2yr,24HR}$= 2.4 CFS

CP6

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 96 CFS		$Q_{100yr,3HR}$= 67 CFS
$Q_{100yr,6HR}$= 87 CFS	>	$Q_{100yr,6HR}$= 59 CFS
$Q_{100yr,24HR}$= 40 CFS		$Q_{100yr,24HR}$= 27 CFS
$Q_{2yr,24HR}$= 3.5 CFS		$Q_{2yr,24HR}$= 2.4 CFS

CP-6

POST-DEVELOPMENT CONDITION

AREA 7
13.38 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 21 CFS
$Q_{100yr,6HR}$= 18 CFS
$Q_{100yr,24HR}$= 8 CFS
$Q_{2yr,24HR}$= 0.5 CFS

CP7

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 73 CFS		$Q_{100yr,3HR}$= 21 CFS
$Q_{100yr,6HR}$= 65 CFS	>	$Q_{100yr,6HR}$= 18 CFS
$Q_{100yr,24HR}$= 34 CFS		$Q_{100yr,24HR}$= 8 CFS
$Q_{2yr,24HR}$= 1.8 CFS		$Q_{2yr,24HR}$= 0.5 CFS

CP-7

POST-DEVELOPMENT CONDITION

AREA 8B
5.30 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 9 CFS
$Q_{100yr,6HR}$= 8 CFS
$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 0.3 CFS

CP8

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 50 CFS		$Q_{100yr,3HR}$= 9 CFS
$Q_{100yr,6HR}$= 46 CFS	>	$Q_{100yr,6HR}$= 8 CFS
$Q_{100yr,24HR}$= 22 CFS		$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 1.1 CFS		$Q_{2yr,24HR}$= 0.3 CFS

CP-8

POST-DEVELOPMENT CONDITION

(NODE 9.0) AREA 9A 20.58 AC
(NODE 9.3) AREA 9B 59.91 AC

$Q_{100yr,3HR}$= 35 CFS
$Q_{100yr,6HR}$= 33 CFS
$Q_{100yr,24HR}$= 16 CFS
$Q_{2yr,24HR}$= 5.6 CFS

$Q_{100yr,3HR}$= 103 CFS
$Q_{100yr,6HR}$= 92 CFS
$Q_{100yr,24HR}$= 48 CFS
$Q_{2yr,24HR}$= 15.6 CFS

BASIN 6
BASIN 7

NODE 9.1
$Q_{100yr,3HR}$= 9 CFS
$Q_{100yr,6HR}$= 25 CFS
$Q_{100yr,24HR}$= 16 CFS
$Q_{2yr,24HR}$= 1.2 CFS

NODE 9.4
$Q_{100yr,3HR}$= 0.9 CFS
$Q_{100yr,6HR}$= 9 CFS
$Q_{100yr,24HR}$= 23 CFS
$Q_{2yr,24HR}$= 0.9 CFS

NODE 9.2
$Q_{100yr,3HR}$= 12 CFS
$Q_{100yr,6HR}$= 34 CFS
$Q_{100yr,24HR}$= 34 CFS
$Q_{2yr,24HR}$= 2.1 CFS

NODE 9.6
AREA 9C
5.38 AC
$Q_{100yr,3HR}$= 8 CFS
$Q_{100yr,6HR}$= 7 CFS
$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 0.3 CFS

NODE 9.5
$Q_{100yr,3HR}$= 11 CFS
$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 2.2 CFS

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 11 CFS
$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 2.2 CFS

CP9

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 91 CFS		$Q_{100yr,3HR}$= 11 CFS
$Q_{100yr,6HR}$= 84 CFS	>	$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 39 CFS		$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 2.2 CFS		$Q_{2yr,24HR}$= 2.2 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-9

POST-DEVELOPMENT CONDITION

(NODE 10.3) AREA 10G 4.58 AC
(NODE 10.0) AREA 10E 3.91 AC
(NODE 10.91) AREA 10F 27.52 AC
(NODE 10.4) AREA 10B 23.61 AC
(NODE 10.6) AREA 10C 18.70 AC
(NODE 10.8) AREA 10D 30.06 AC
(NODE 10.93) AREA 10H 48.31 AC

OFFSITE FLOW EAST OF I-10
Q_{100}=624 CFS + Q_{100}=1,624 CFS = 2,248 CFS

$Q_{100yr,3HR}$= 8 CFS
$Q_{100yr,6HR}$= 7 CFS
$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 0.6 CFS

NODE 10.1
$Q_{100yr,3HR}$= 6 CFS
$Q_{100yr,6HR}$= 6 CFS
$Q_{100yr,24HR}$= 2 CFS
$Q_{2yr,24HR}$= 0.1 CFS

$Q_{100yr,3HR}$= 48 CFS
$Q_{100yr,6HR}$= 45 CFS
$Q_{100yr,24HR}$= 21 CFS
$Q_{2yr,24HR}$= 5.8 CFS

NODE 10.92
$Q_{100yr,3HR}$= 38 CFS
$Q_{100yr,6HR}$= 35 CFS
$Q_{100yr,24HR}$= 15 CFS
$Q_{2yr,24HR}$= 2.8 CFS

NODE 10.5
$Q_{100yr,3HR}$= 30 CFS
$Q_{100yr,6HR}$= 28 CFS
$Q_{100yr,24HR}$= 13 CFS
$Q_{2yr,24HR}$= 2.6 CFS

NODE 10.7
$Q_{100yr,3HR}$= 51 CFS
$Q_{100yr,6HR}$= 48 CFS
$Q_{100yr,24HR}$= 23 CFS
$Q_{2yr,24HR}$= 7.3 CFS

$Q_{100yr,3HR}$= 83 CFS
$Q_{100yr,6HR}$= 75 CFS
$Q_{100yr,24HR}$= 38 CFS
$Q_{2yr,24HR}$= 11.8 CFS

BASIN 10
BASIN 9
BASIN 8
BASIN 11

NODE 10.2
$Q_{100yr,3HR}$= 0.2 CFS
$Q_{100yr,6HR}$= 0.2 CFS
$Q_{100yr,24HR}$= 0.4 CFS
$Q_{2yr,24HR}$= 0.04 CFS

NODE 10.92
$Q_{100yr,3HR}$= 2 CFS
$Q_{100yr,6HR}$= 2 CFS
$Q_{100yr,24HR}$= 1.1 CFS
$Q_{2yr,24HR}$= 1.4 CFS

NODE 10.9
$Q_{100yr,3HR}$= 15 CFS
$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 43 CFS
$Q_{2yr,24HR}$= 1.7 CFS

NODE 10.94
$Q_{100yr,3HR}$= 3 CFS
$Q_{100yr,6HR}$= 9 CFS
$Q_{100yr,24HR}$= 32 CFS
$Q_{2yr,24HR}$= 2.3 CFS

NODE 10.95
AREA 10A
329.98 AC
NODE 10.95
NODE 10.96
$Q_{100yr,3HR}$= 377 CFS
$Q_{100yr,6HR}$= 345 CFS
$Q_{100yr,24HR}$= 186 CFS
$Q_{2yr,24HR}$= 24.4 CFS

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 396 CFS + Q_{100}=2,248 CFS
$Q_{100yr,6HR}$= 388 CFS
$Q_{100yr,24HR}$= 263 CFS
$Q_{2yr,24HR}$= 29.4 CFS

CP10

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 591 CFS		$Q_{100yr,3HR}$= 396 CFS
$Q_{100yr,6HR}$= 546 CFS	>	$Q_{100yr,6HR}$= 388 CFS
$Q_{100yr,24HR}$= 291 CFS		$Q_{100yr,24HR}$= 263 CFS
$Q_{2yr,24HR}$= 33.1 CFS		$Q_{2yr,24HR}$= 29.4 CFS

CP-10

FILENAME: F:\127\Engineering\SF_Hydrology\Reports\Flow Chart\BASIN FLOW CHART-R 2025-0424.dwg PLOTTED ON: 4/19/2025 10:08 AM BY: Brian Souther

ROUTING TO CP3
AREAS 3A, 3B, 3C AND BASIN 1

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                  FLOOD HYDROGRAPH ROUTING PROGRAM
            Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                        Study date: 12/06/24


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MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 3 HOUR
BASIN 1 AREAS 3A, 3B & 3C
12/6/2024
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
********************* HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP3A3100.rte
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =    41
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =      136.597 (CFS)
                Total volume =      11.273 (Ac.Ft)
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.100 to Point/Station        3.200
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 41
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.475      0.500      0.473        0.477
  3.000      1.578      0.910      1.575        1.581
  5.000      2.894      1.190      2.890        2.898
  6.000      3.635      1.300      3.631        3.639
  7.000      4.433      1.410      4.428        4.438
  9.000      6.205      1.600      6.199        6.211
 10.000      7.182      1.690      7.176        7.188
 11.000      8.220      1.770      8.214        8.226
 12.000      9.320     10.090      9.285        9.355
 13.000     10.484     19.070     10.418       10.550
 14.000     11.713     29.360     11.612       11.814
 15.000     13.008     36.230     12.883       13.133
 16.000     14.370     41.870     14.226       14.514
 17.000     15.803     46.800     15.642       15.964
 18.000     17.305     51.230     17.129       17.481
 19.000     18.880     55.300     18.690       19.070
 20.000     20.535     59.080     20.332       20.738
 21.000     22.690     62.630     22.474       22.906
 22.000     24.840     65.980     24.613       25.067
------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
------------------------------------------------------------------------
Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)    (CFS)     (Ac.Ft) .0      34.1    68.30   102.45  136.60 (Ft.)
 0.083    3.84    0.01      0.013  O       |       |       |       |     0.03
 0.167   12.82    0.07      0.070  O  I    |       |       |       |     0.15
 0.250   14.38    0.17      0.163  O  I    |       |       |       |     0.34
 0.333   14.96    0.28      0.263  O  I    |       |       |       |     0.55
 0.417   18.68    0.40      0.376  O   I   |       |       |       |     0.79
 0.500   21.10    0.51      0.510  O   I   |       |       |       |     1.06
 0.583   23.26    0.57      0.659  O    I  |       |       |       |     1.33
 0.667   22.29    0.63      0.812  O    I  |       |       |       |     1.61
 0.750   25.02    0.68      0.970  O    I  |       |       |       |     1.90
 0.833   24.28    0.75      1.135  O    I  |       |       |       |     2.20
 0.917   21.66    0.80      1.288  O    I  |       |       |       |     2.47
 1.000   22.88    0.86      1.436  O    I  |       |       |       |     2.74
 1.083   27.04    0.91      1.601  O     I |       |       |       |     3.04
 1.167   32.05    0.96      1.798  O      I|       |       |       |     3.33
 1.250   33.36    1.00      2.017  O      I|       |       |       |     3.67
 1.333   32.80    1.05      2.238  O      I|       |       |       |     4.00
 1.417   33.53    1.10      2.459  O      I|       |       |       |     4.34
 1.500   40.09    1.15      2.704  O       |I      |       |       |     4.71
 1.583   41.33    1.20      2.977  O       |I      |       |       |     5.11
 1.667   40.19    1.24      3.249  O       |I      |       |       |     5.48
 1.750   45.65    1.29      3.536  O       | I     |       |       |     5.87
 1.833   52.02    1.33      3.863  O       |   I   |       |       |     6.29
 1.917   50.80    1.38      4.208  O       |  I    |       |       |     6.72
 2.000   49.02    1.42      4.542  O       |  I    |       |       |     7.12
 2.083   50.01    1.46      4.873  O       |  I    |       |       |     7.50
 2.167   56.45    1.50      5.230  O       |    I  |       |       |     7.90
 2.250   72.67    1.54      5.664  O       |       |I      |       |     8.39
 2.333   77.65    1.60      6.171  O       |       | I     |       |     8.96
 2.417   79.95    1.65      6.702  O       |       | I     |       |     9.51
 2.500  115.29    1.70      7.363  O       |       |       |  I    |    10.17
 2.583  133.60    1.77      8.208  O       |       |       |      I|    10.99
 2.667  136.60    8.45      9.103  |O      |       |       |       I    11.80
 2.750   96.36   14.01      9.828  |  O    |       |     I |       |    12.44
 2.833   46.98   16.99     10.215  |  O    |  I    |       |       |    12.77
 2.917   31.87   18.15     10.365  |   O  I|       |       |       |    12.90
 3.000   23.13   18.64     10.428  |   OI  |       |       |       |    12.95
 3.083    9.65   18.52     10.413  | I O   |       |       |       |    12.94
 3.167    2.54   17.88     10.330  I   O   |       |       |       |    12.87
```

3.250	0.71	17.04	10.221	I O	|	|	|	|	12.77	8.333	0.00	1.75	8.005	O	|	|	|	|	10.79
3.333	0.21	16.18	10.109	I O	|	|	|	|	12.68	8.417	0.00	1.75	7.993	O	|	|	|	|	10.78
3.417	0.04	15.35	10.002	I O	|	|	|	|	12.59	8.500	0.00	1.75	7.981	O	|	|	|	|	10.77
3.500	0.00	14.56	9.899	I O	|	|	|	|	12.50	8.583	0.00	1.75	7.969	O	|	|	|	|	10.76
3.583	0.00	13.80	9.801	I O	|	|	|	|	12.41	8.667	0.00	1.75	7.957	O	|	|	|	|	10.75
3.667	0.00	13.09	9.709	I O	|	|	|	|	12.33	8.750	0.00	1.75	7.945	O	|	|	|	|	10.73
3.750	0.00	12.41	9.621	I O	|	|	|	|	12.26	8.833	0.00	1.75	7.933	O	|	|	|	|	10.72
3.833	0.00	11.77	9.537	I O	|	|	|	|	12.19	8.917	0.00	1.75	7.921	O	|	|	|	|	10.71
3.917	0.00	11.16	9.459	I O	|	|	|	|	12.12	9.000	0.00	1.75	7.909	O	|	|	|	|	10.70
4.000	0.00	10.58	9.384	I O	|	|	|	|	12.05	9.083	0.00	1.75	7.897	O	|	|	|	|	10.69
4.083	0.00	10.03	9.313	I O	|	|	|	|	11.99	9.167	0.00	1.74	7.885	O	|	|	|	|	10.68
4.167	0.00	9.53	9.245	I O	|	|	|	|	11.93	9.250	0.00	1.74	7.873	O	|	|	|	|	10.67
4.250	0.00	9.04	9.181	I O	|	|	|	|	11.87	9.333	0.00	1.74	7.861	O	|	|	|	|	10.65
4.333	0.00	8.58	9.121	I O	|	|	|	|	11.82	9.417	0.00	1.74	7.849	O	|	|	|	|	10.64
4.417	0.00	8.15	9.063	IO	|	|	|	|	11.77	9.500	0.00	1.74	7.837	O	|	|	|	|	10.63
4.500	0.00	7.73	9.008	IO	|	|	|	|	11.72	9.583	0.00	1.74	7.825	O	|	|	|	|	10.62
4.583	0.00	7.34	8.957	IO	|	|	|	|	11.67	9.667	0.00	1.74	7.813	O	|	|	|	|	10.61
4.667	0.00	6.97	8.907	IO	|	|	|	|	11.62	9.750	0.00	1.74	7.801	O	|	|	|	|	10.60
4.750	0.00	6.61	8.860	IO	|	|	|	|	11.58	9.833	0.00	1.74	7.789	O	|	|	|	|	10.58
4.833	0.00	6.28	8.816	IO	|	|	|	|	11.54	9.917	0.00	1.74	7.777	O	|	|	|	|	10.57
4.917	0.00	5.96	8.774	IO	|	|	|	|	11.50	10.000	0.00	1.73	7.765	O	|	|	|	|	10.56
5.000	0.00	5.66	8.734	IO	|	|	|	|	11.47	10.083	0.00	1.73	7.753	O	|	|	|	|	10.55
5.083	0.00	5.37	8.696	IO	|	|	|	|	11.43	10.167	0.00	1.73	7.741	O	|	|	|	|	10.54
5.167	0.00	5.10	8.660	IO	|	|	|	|	11.40	10.250	0.00	1.73	7.729	O	|	|	|	|	10.53
5.250	0.00	4.84	8.626	IO	|	|	|	|	11.37	10.333	0.00	1.73	7.717	O	|	|	|	|	10.52
5.333	0.00	4.59	8.593	IO	|	|	|	|	11.34	10.417	0.00	1.73	7.705	O	|	|	|	|	10.50
5.417	0.00	4.36	8.562	IO	|	|	|	|	11.31	10.500	0.00	1.73	7.693	O	|	|	|	|	10.49
5.500	0.00	4.14	8.533	O	|	|	|	|	11.28	10.583	0.00	1.73	7.681	O	|	|	|	|	10.48
5.583	0.00	3.93	8.505	O	|	|	|	|	11.26	10.667	0.00	1.73	7.670	O	|	|	|	|	10.47
5.667	0.00	3.73	8.479	O	|	|	|	|	11.24	10.750	0.00	1.73	7.658	O	|	|	|	|	10.46
5.750	0.00	3.54	8.454	O	|	|	|	|	11.21	10.833	0.00	1.73	7.646	O	|	|	|	|	10.45
5.833	0.00	3.36	8.430	O	|	|	|	|	11.19	10.917	0.00	1.72	7.634	O	|	|	|	|	10.44
5.917	0.00	3.19	8.408	O	|	|	|	|	11.17	11.000	0.00	1.72	7.622	O	|	|	|	|	10.42
6.000	0.00	3.03	8.386	O	|	|	|	|	11.15	11.083	0.00	1.72	7.610	O	|	|	|	|	10.41
6.083	0.00	2.87	8.366	O	|	|	|	|	11.13	11.167	0.00	1.72	7.598	O	|	|	|	|	10.40
6.167	0.00	2.73	8.347	O	|	|	|	|	11.12	11.250	0.00	1.72	7.586	O	|	|	|	|	10.39
6.250	0.00	2.59	8.328	O	|	|	|	|	11.10	11.333	0.00	1.72	7.575	O	|	|	|	|	10.38
6.333	0.00	2.46	8.311	O	|	|	|	|	11.08	11.417	0.00	1.72	7.563	O	|	|	|	|	10.37
6.417	0.00	2.33	8.294	O	|	|	|	|	11.07	11.500	0.00	1.72	7.551	O	|	|	|	|	10.36
6.500	0.00	2.21	8.279	O	|	|	|	|	11.05	11.583	0.00	1.72	7.539	O	|	|	|	|	10.34
6.583	0.00	2.10	8.264	O	|	|	|	|	11.04	11.667	0.00	1.72	7.527	O	|	|	|	|	10.33
6.667	0.00	2.00	8.250	O	|	|	|	|	11.03	11.750	0.00	1.72	7.515	O	|	|	|	|	10.32
6.750	0.00	1.89	8.236	O	|	|	|	|	11.01	11.833	0.00	1.71	7.504	O	|	|	|	|	10.31
6.833	0.00	1.80	8.224	O	|	|	|	|	11.00	11.917	0.00	1.71	7.492	O	|	|	|	|	10.30
6.917	0.00	1.77	8.211	O	|	|	|	|	10.99	12.000	0.00	1.71	7.480	O	|	|	|	|	10.29
7.000	0.00	1.77	8.199	O	|	|	|	|	10.98	12.083	0.00	1.71	7.468	O	|	|	|	|	10.28
7.083	0.00	1.77	8.187	O	|	|	|	|	10.97	12.167	0.00	1.71	7.456	O	|	|	|	|	10.26
7.167	0.00	1.77	8.175	O	|	|	|	|	10.96	12.250	0.00	1.71	7.445	O	|	|	|	|	10.25
7.250	0.00	1.77	8.163	O	|	|	|	|	10.94	12.333	0.00	1.71	7.433	O	|	|	|	|	10.24
7.333	0.00	1.76	8.151	O	|	|	|	|	10.93	12.417	0.00	1.71	7.421	O	|	|	|	|	10.23
7.417	0.00	1.76	8.138	O	|	|	|	|	10.92	12.500	0.00	1.71	7.409	O	|	|	|	|	10.22
7.500	0.00	1.76	8.126	O	|	|	|	|	10.91	12.583	0.00	1.71	7.398	O	|	|	|	|	10.21
7.583	0.00	1.76	8.114	O	|	|	|	|	10.90	12.667	0.00	1.71	7.386	O	|	|	|	|	10.20
7.667	0.00	1.76	8.102	O	|	|	|	|	10.89	12.750	0.00	1.70	7.374	O	|	|	|	|	10.19
7.750	0.00	1.76	8.090	O	|	|	|	|	10.87	12.833	0.00	1.70	7.362	O	|	|	|	|	10.17
7.833	0.00	1.76	8.078	O	|	|	|	|	10.86	12.917	0.00	1.70	7.351	O	|	|	|	|	10.16
7.917	0.00	1.76	8.066	O	|	|	|	|	10.85	13.000	0.00	1.70	7.339	O	|	|	|	|	10.15
8.000	0.00	1.76	8.054	O	|	|	|	|	10.84	13.083	0.00	1.70	7.327	O	|	|	|	|	10.14
8.083	0.00	1.76	8.041	O	|	|	|	|	10.83	13.167	0.00	1.70	7.315	O	|	|	|	|	10.13
8.167	0.00	1.76	8.029	O	|	|	|	|	10.82	13.250	0.00	1.70	7.304	O	|	|	|	|	10.12
8.250	0.00	1.75	8.017	O	|	|	|	|	10.80	13.333	0.00	1.70	7.292	O	|	|	|	|	10.11

13.417	0.00	1.70	7.280	O					10.09	18.500	0.00	1.63	6.580	O					9.38
13.500	0.00	1.70	7.269	O					10.08	18.583	0.00	1.63	6.569	O					9.37
13.583	0.00	1.70	7.257	O					10.07	18.667	0.00	1.63	6.558	O					9.36
13.667	0.00	1.69	7.245	O					10.06	18.750	0.00	1.63	6.546	O					9.35
13.750	0.00	1.69	7.234	O					10.05	18.833	0.00	1.63	6.535	O					9.34
13.833	0.00	1.69	7.222	O					10.04	18.917	0.00	1.63	6.524	O					9.33
13.917	0.00	1.69	7.210	O					10.03	19.000	0.00	1.63	6.513	O					9.32
14.000	0.00	1.69	7.199	O					10.02	19.083	0.00	1.63	6.502	O					9.30
14.083	0.00	1.69	7.187	O					10.00	19.167	0.00	1.63	6.490	O					9.29
14.167	0.00	1.69	7.175	O					9.99	19.250	0.00	1.63	6.479	O					9.28
14.250	0.00	1.69	7.164	O					9.98	19.333	0.00	1.62	6.468	O					9.27
14.333	0.00	1.69	7.152	O					9.97	19.417	0.00	1.62	6.457	O					9.26
14.417	0.00	1.69	7.141	O					9.96	19.500	0.00	1.62	6.446	O					9.25
14.500	0.00	1.69	7.129	O					9.95	19.583	0.00	1.62	6.434	O					9.23
14.583	0.00	1.68	7.117	O					9.93	19.667	0.00	1.62	6.423	O					9.22
14.667	0.00	1.68	7.106	O					9.92	19.750	0.00	1.62	6.412	O					9.21
14.750	0.00	1.68	7.094	O					9.91	19.833	0.00	1.62	6.401	O					9.20
14.833	0.00	1.68	7.083	O					9.90	19.917	0.00	1.62	6.390	O					9.19
14.917	0.00	1.68	7.071	O					9.89	20.000	0.00	1.62	6.379	O					9.18
15.000	0.00	1.68	7.059	O					9.87	20.083	0.00	1.61	6.368	O					9.17
15.083	0.00	1.68	7.048	O					9.86	20.167	0.00	1.61	6.357	O					9.16
15.167	0.00	1.68	7.036	O					9.85	20.250	0.00	1.61	6.345	O					9.14
15.250	0.00	1.68	7.025	O					9.84	20.333	0.00	1.61	6.334	O					9.13
15.333	0.00	1.67	7.013	O					9.83	20.417	0.00	1.61	6.323	O					9.12
15.417	0.00	1.67	7.002	O					9.82	20.500	0.00	1.61	6.312	O					9.11
15.500	0.00	1.67	6.990	O					9.80	20.583	0.00	1.61	6.301	O					9.10
15.583	0.00	1.67	6.979	O					9.79	20.667	0.00	1.61	6.290	O					9.09
15.667	0.00	1.67	6.967	O					9.78	20.750	0.00	1.61	6.279	O					9.08
15.750	0.00	1.67	6.956	O					9.77	20.833	0.00	1.61	6.268	O					9.06
15.833	0.00	1.67	6.944	O					9.76	20.917	0.00	1.60	6.257	O					9.05
15.917	0.00	1.67	6.933	O					9.74	21.000	0.00	1.60	6.246	O					9.04
16.000	0.00	1.67	6.921	O					9.73	21.083	0.00	1.60	6.235	O					9.03
16.083	0.00	1.66	6.910	O					9.72	21.167	0.00	1.60	6.224	O					9.02
16.167	0.00	1.66	6.898	O					9.71	21.250	0.00	1.60	6.213	O					9.01
16.250	0.00	1.66	6.887	O					9.70	21.333	0.00	1.60	6.202	O					9.00
16.333	0.00	1.66	6.875	O					9.69	21.417	0.00	1.60	6.191	O					8.98
16.417	0.00	1.66	6.864	O					9.67	21.500	0.00	1.60	6.180	O					8.97
16.500	0.00	1.66	6.852	O					9.66	21.583	0.00	1.60	6.169	O					8.96
16.583	0.00	1.66	6.841	O					9.65	21.667	0.00	1.59	6.158	O					8.95
16.667	0.00	1.66	6.830	O					9.64	21.750	0.00	1.59	6.147	O					8.93
16.750	0.00	1.66	6.818	O					9.63	21.833	0.00	1.59	6.136	O					8.92
16.833	0.00	1.66	6.807	O					9.62	21.917	0.00	1.59	6.125	O					8.91
16.917	0.00	1.65	6.795	O					9.60	22.000	0.00	1.59	6.114	O					8.90
17.000	0.00	1.65	6.784	O					9.59	22.083	0.00	1.59	6.103	O					8.88
17.083	0.00	1.65	6.773	O					9.58	22.167	0.00	1.59	6.092	O					8.87
17.167	0.00	1.65	6.761	O					9.57	22.250	0.00	1.59	6.081	O					8.86
17.250	0.00	1.65	6.750	O					9.56	22.333	0.00	1.59	6.070	O					8.85
17.333	0.00	1.65	6.739	O					9.55	22.417	0.00	1.58	6.059	O					8.84
17.417	0.00	1.65	6.727	O					9.53	22.500	0.00	1.58	6.048	O					8.82
17.500	0.00	1.65	6.716	O					9.52	22.583	0.00	1.58	6.037	O					8.81
17.583	0.00	1.65	6.704	O					9.51	22.667	0.00	1.58	6.026	O					8.80
17.667	0.00	1.64	6.693	O					9.50	22.750	0.00	1.58	6.015	O					8.79
17.750	0.00	1.64	6.682	O					9.49	22.833	0.00	1.58	6.005	O					8.77
17.833	0.00	1.64	6.671	O					9.48	22.917	0.00	1.58	5.994	O					8.76
17.917	0.00	1.64	6.659	O					9.46	23.000	0.00	1.58	5.983	O					8.75
18.000	0.00	1.64	6.648	O					9.45	23.083	0.00	1.58	5.972	O					8.74
18.083	0.00	1.64	6.637	O					9.44	23.167	0.00	1.57	5.961	O					8.72
18.167	0.00	1.64	6.625	O					9.43	23.250	0.00	1.57	5.950	O					8.71
18.250	0.00	1.64	6.614	O					9.42	23.333	0.00	1.57	5.940	O					8.70
18.333	0.00	1.64	6.603	O					9.41	23.417	0.00	1.57	5.929	O					8.69
18.417	0.00	1.64	6.591	O					9.40	23.500	0.00	1.57	5.918	O					8.68

23.583	0.00	1.57	5.907	O	|	|	|	|	8.66	28.667	0.00	1.50	5.263	O	|	|	|	|	7.94
23.667	0.00	1.57	5.896	O	|	|	|	|	8.65	28.750	0.00	1.50	5.253	O	|	|	|	|	7.93
23.750	0.00	1.57	5.885	O	|	|	|	|	8.64	28.833	0.00	1.50	5.242	O	|	|	|	|	7.91
23.833	0.00	1.56	5.875	O	|	|	|	|	8.63	28.917	0.00	1.50	5.232	O	|	|	|	|	7.90
23.917	0.00	1.56	5.864	O	|	|	|	|	8.62	29.000	0.00	1.49	5.222	O	|	|	|	|	7.89
24.000	0.00	1.56	5.853	O	|	|	|	|	8.60	29.083	0.00	1.49	5.211	O	|	|	|	|	7.88
24.083	0.00	1.56	5.842	O	|	|	|	|	8.59	29.167	0.00	1.49	5.201	O	|	|	|	|	7.87
24.167	0.00	1.56	5.832	O	|	|	|	|	8.58	29.250	0.00	1.49	5.191	O	|	|	|	|	7.86
24.250	0.00	1.56	5.821	O	|	|	|	|	8.57	29.333	0.00	1.49	5.181	O	|	|	|	|	7.84
24.333	0.00	1.56	5.810	O	|	|	|	|	8.55	29.417	0.00	1.49	5.170	O	|	|	|	|	7.83
24.417	0.00	1.56	5.799	O	|	|	|	|	8.54	29.500	0.00	1.49	5.160	O	|	|	|	|	7.82
24.500	0.00	1.56	5.789	O	|	|	|	|	8.53	29.583	0.00	1.49	5.150	O	|	|	|	|	7.81
24.583	0.00	1.55	5.778	O	|	|	|	|	8.52	29.667	0.00	1.49	5.140	O	|	|	|	|	7.80
24.667	0.00	1.55	5.767	O	|	|	|	|	8.51	29.750	0.00	1.48	5.129	O	|	|	|	|	7.79
24.750	0.00	1.55	5.757	O	|	|	|	|	8.49	29.833	0.00	1.48	5.119	O	|	|	|	|	7.77
24.833	0.00	1.55	5.746	O	|	|	|	|	8.48	29.917	0.00	1.48	5.109	O	|	|	|	|	7.76
24.917	0.00	1.55	5.735	O	|	|	|	|	8.47	30.000	0.00	1.48	5.099	O	|	|	|	|	7.75
25.000	0.00	1.55	5.725	O	|	|	|	|	8.46	30.083	0.00	1.48	5.089	O	|	|	|	|	7.74
25.083	0.00	1.55	5.714	O	|	|	|	|	8.45	30.167	0.00	1.48	5.078	O	|	|	|	|	7.73
25.167	0.00	1.55	5.703	O	|	|	|	|	8.43	30.250	0.00	1.48	5.068	O	|	|	|	|	7.72
25.250	0.00	1.55	5.693	O	|	|	|	|	8.42	30.333	0.00	1.48	5.058	O	|	|	|	|	7.71
25.333	0.00	1.54	5.682	O	|	|	|	|	8.41	30.417	0.00	1.48	5.048	O	|	|	|	|	7.69
25.417	0.00	1.54	5.671	O	|	|	|	|	8.40	30.500	0.00	1.47	5.038	O	|	|	|	|	7.68
25.500	0.00	1.54	5.661	O	|	|	|	|	8.39	30.583	0.00	1.47	5.027	O	|	|	|	|	7.67
25.583	0.00	1.54	5.650	O	|	|	|	|	8.37	30.667	0.00	1.47	5.017	O	|	|	|	|	7.66
25.667	0.00	1.54	5.640	O	|	|	|	|	8.36	30.750	0.00	1.47	5.007	O	|	|	|	|	7.65
25.750	0.00	1.54	5.629	O	|	|	|	|	8.35	30.833	0.00	1.47	4.997	O	|	|	|	|	7.64
25.833	0.00	1.54	5.618	O	|	|	|	|	8.34	30.917	0.00	1.47	4.987	O	|	|	|	|	7.63
25.917	0.00	1.54	5.608	O	|	|	|	|	8.33	31.000	0.00	1.47	4.977	O	|	|	|	|	7.61
26.000	0.00	1.53	5.597	O	|	|	|	|	8.31	31.083	0.00	1.47	4.967	O	|	|	|	|	7.60
26.083	0.00	1.53	5.587	O	|	|	|	|	8.30	31.167	0.00	1.47	4.957	O	|	|	|	|	7.59
26.167	0.00	1.53	5.576	O	|	|	|	|	8.29	31.250	0.00	1.47	4.947	O	|	|	|	|	7.58
26.250	0.00	1.53	5.566	O	|	|	|	|	8.28	31.333	0.00	1.46	4.936	O	|	|	|	|	7.57
26.333	0.00	1.53	5.555	O	|	|	|	|	8.27	31.417	0.00	1.46	4.926	O	|	|	|	|	7.56
26.417	0.00	1.53	5.544	O	|	|	|	|	8.25	31.500	0.00	1.46	4.916	O	|	|	|	|	7.55
26.500	0.00	1.53	5.534	O	|	|	|	|	8.24	31.583	0.00	1.46	4.906	O	|	|	|	|	7.53
26.583	0.00	1.53	5.523	O	|	|	|	|	8.23	31.667	0.00	1.46	4.896	O	|	|	|	|	7.52
26.667	0.00	1.53	5.513	O	|	|	|	|	8.22	31.750	0.00	1.46	4.886	O	|	|	|	|	7.51
26.750	0.00	1.52	5.502	O	|	|	|	|	8.21	31.833	0.00	1.46	4.876	O	|	|	|	|	7.50
26.833	0.00	1.52	5.492	O	|	|	|	|	8.20	31.917	0.00	1.46	4.866	O	|	|	|	|	7.49
26.917	0.00	1.52	5.481	O	|	|	|	|	8.18	32.000	0.00	1.46	4.856	O	|	|	|	|	7.48
27.000	0.00	1.52	5.471	O	|	|	|	|	8.17	32.083	0.00	1.45	4.846	O	|	|	|	|	7.47
27.083	0.00	1.52	5.460	O	|	|	|	|	8.16	32.167	0.00	1.45	4.836	O	|	|	|	|	7.45
27.167	0.00	1.52	5.450	O	|	|	|	|	8.15	32.250	0.00	1.45	4.826	O	|	|	|	|	7.44
27.250	0.00	1.52	5.440	O	|	|	|	|	8.14	32.333	0.00	1.45	4.816	O	|	|	|	|	7.43
27.333	0.00	1.52	5.429	O	|	|	|	|	8.12	32.417	0.00	1.45	4.806	O	|	|	|	|	7.42
27.417	0.00	1.52	5.419	O	|	|	|	|	8.11	32.500	0.00	1.45	4.796	O	|	|	|	|	7.41
27.500	0.00	1.51	5.408	O	|	|	|	|	8.10	32.583	0.00	1.45	4.786	O	|	|	|	|	7.40
27.583	0.00	1.51	5.398	O	|	|	|	|	8.09	32.667	0.00	1.45	4.776	O	|	|	|	|	7.39
27.667	0.00	1.51	5.387	O	|	|	|	|	8.08	32.750	0.00	1.45	4.766	O	|	|	|	|	7.38
27.750	0.00	1.51	5.377	O	|	|	|	|	8.07	32.833	0.00	1.44	4.756	O	|	|	|	|	7.36
27.833	0.00	1.51	5.367	O	|	|	|	|	8.05	32.917	0.00	1.44	4.746	O	|	|	|	|	7.35
27.917	0.00	1.51	5.356	O	|	|	|	|	8.04	33.000	0.00	1.44	4.736	O	|	|	|	|	7.34
28.000	0.00	1.51	5.346	O	|	|	|	|	8.03	33.083	0.00	1.44	4.726	O	|	|	|	|	7.33
28.083	0.00	1.51	5.335	O	|	|	|	|	8.02	33.167	0.00	1.44	4.716	O	|	|	|	|	7.32
28.167	0.00	1.51	5.325	O	|	|	|	|	8.01	33.250	0.00	1.44	4.707	O	|	|	|	|	7.31
28.250	0.00	1.50	5.315	O	|	|	|	|	8.00	33.333	0.00	1.44	4.697	O	|	|	|	|	7.30
28.333	0.00	1.50	5.304	O	|	|	|	|	7.98	33.417	0.00	1.44	4.687	O	|	|	|	|	7.29
28.417	0.00	1.50	5.294	O	|	|	|	|	7.97	33.500	0.00	1.44	4.677	O	|	|	|	|	7.28
28.500	0.00	1.50	5.284	O	|	|	|	|	7.96	33.583	0.00	1.44	4.667	O	|	|	|	|	7.26
28.583	0.00	1.50	5.273	O	|	|	|	|	7.95	33.667	0.00	1.43	4.657	O	|	|	|	|	7.25

33.750	0.00	1.43	4.647	O					7.24	38.833	0.00	1.36	4.060	O					6.53
33.833	0.00	1.43	4.637	O					7.23	38.917	0.00	1.36	4.051	O					6.52
33.917	0.00	1.43	4.627	O					7.22	39.000	0.00	1.36	4.041	O					6.51
34.000	0.00	1.43	4.618	O					7.21	39.083	0.00	1.35	4.032	O					6.50
34.083	0.00	1.43	4.608	O					7.20	39.167	0.00	1.35	4.023	O					6.49
34.167	0.00	1.43	4.598	O					7.19	39.250	0.00	1.35	4.013	O					6.47
34.250	0.00	1.43	4.588	O					7.18	39.333	0.00	1.35	4.004	O					6.46
34.333	0.00	1.43	4.578	O					7.16	39.417	0.00	1.35	3.995	O					6.45
34.417	0.00	1.42	4.568	O					7.15	39.500	0.00	1.35	3.985	O					6.44
34.500	0.00	1.42	4.559	O					7.14	39.583	0.00	1.35	3.976	O					6.43
34.583	0.00	1.42	4.549	O					7.13	39.667	0.00	1.35	3.967	O					6.42
34.667	0.00	1.42	4.539	O					7.12	39.750	0.00	1.34	3.958	O					6.40
34.750	0.00	1.42	4.529	O					7.11	39.833	0.00	1.34	3.948	O					6.39
34.833	0.00	1.42	4.519	O					7.10	39.917	0.00	1.34	3.939	O					6.38
34.917	0.00	1.42	4.510	O					7.09	40.000	0.00	1.34	3.930	O					6.37
35.000	0.00	1.42	4.500	O					7.08	40.083	0.00	1.34	3.921	O					6.36
35.083	0.00	1.42	4.490	O					7.06	40.167	0.00	1.34	3.911	O					6.35
35.167	0.00	1.42	4.480	O					7.05	40.250	0.00	1.34	3.902	O					6.33
35.250	0.00	1.41	4.471	O					7.04	40.333	0.00	1.34	3.893	O					6.32
35.333	0.00	1.41	4.461	O					7.03	40.417	0.00	1.33	3.884	O					6.31
35.417	0.00	1.41	4.451	O					7.02	40.500	0.00	1.33	3.875	O					6.30
35.500	0.00	1.41	4.442	O					7.01	40.583	0.00	1.33	3.866	O					6.29
35.583	0.00	1.41	4.432	O					7.00	40.667	0.00	1.33	3.856	O					6.28
35.667	0.00	1.41	4.422	O					6.99	40.750	0.00	1.33	3.847	O					6.27
35.750	0.00	1.41	4.412	O					6.97	40.833	0.00	1.33	3.838	O					6.25
35.833	0.00	1.41	4.403	O					6.96	40.917	0.00	1.33	3.829	O					6.24
35.917	0.00	1.40	4.393	O					6.95	41.000	0.00	1.33	3.820	O					6.23
36.000	0.00	1.40	4.383	O					6.94	41.083	0.00	1.32	3.811	O					6.22
36.083	0.00	1.40	4.374	O					6.93	41.167	0.00	1.32	3.802	O					6.21
36.167	0.00	1.40	4.364	O					6.91	41.250	0.00	1.32	3.792	O					6.20
36.250	0.00	1.40	4.354	O					6.90	41.333	0.00	1.32	3.783	O					6.19
36.333	0.00	1.40	4.345	O					6.89	41.417	0.00	1.32	3.774	O					6.17
36.417	0.00	1.40	4.335	O					6.88	41.500	0.00	1.32	3.765	O					6.16
36.500	0.00	1.40	4.326	O					6.87	41.583	0.00	1.32	3.756	O					6.15
36.583	0.00	1.39	4.316	O					6.85	41.667	0.00	1.32	3.747	O					6.14
36.667	0.00	1.39	4.306	O					6.84	41.750	0.00	1.31	3.738	O					6.13
36.750	0.00	1.39	4.297	O					6.83	41.833	0.00	1.31	3.729	O					6.12
36.833	0.00	1.39	4.287	O					6.82	41.917	0.00	1.31	3.720	O					6.11
36.917	0.00	1.39	4.278	O					6.81	42.000	0.00	1.31	3.711	O					6.10
37.000	0.00	1.39	4.268	O					6.79	42.083	0.00	1.31	3.702	O					6.08
37.083	0.00	1.39	4.259	O					6.78	42.167	0.00	1.31	3.693	O					6.07
37.167	0.00	1.38	4.249	O					6.77	42.250	0.00	1.31	3.684	O					6.06
37.250	0.00	1.38	4.239	O					6.76	42.333	0.00	1.31	3.675	O					6.05
37.333	0.00	1.38	4.230	O					6.75	42.417	0.00	1.30	3.666	O					6.04
37.417	0.00	1.38	4.220	O					6.73	42.500	0.00	1.30	3.657	O					6.03
37.500	0.00	1.38	4.211	O					6.72	42.583	0.00	1.30	3.648	O					6.02
37.583	0.00	1.38	4.201	O					6.71	42.667	0.00	1.30	3.639	O					6.00
37.667	0.00	1.38	4.192	O					6.70	42.750	0.00	1.30	3.630	O					5.99
37.750	0.00	1.38	4.182	O					6.69	42.833	0.00	1.30	3.621	O					5.98
37.833	0.00	1.37	4.173	O					6.67	42.917	0.00	1.30	3.612	O					5.97
37.917	0.00	1.37	4.164	O					6.66	43.000	0.00	1.30	3.603	O					5.96
38.000	0.00	1.37	4.154	O					6.65	43.083	0.00	1.29	3.594	O					5.94
38.083	0.00	1.37	4.145	O					6.64	43.167	0.00	1.29	3.585	O					5.93
38.167	0.00	1.37	4.135	O					6.63	43.250	0.00	1.29	3.576	O					5.92
38.250	0.00	1.37	4.126	O					6.62	43.333	0.00	1.29	3.568	O					5.91
38.333	0.00	1.37	4.116	O					6.60	43.417	0.00	1.29	3.559	O					5.90
38.417	0.00	1.37	4.107	O					6.59	43.500	0.00	1.29	3.550	O					5.89
38.500	0.00	1.36	4.098	O					6.58	43.583	0.00	1.29	3.541	O					5.87
38.583	0.00	1.36	4.088	O					6.57	43.667	0.00	1.28	3.532	O					5.86
38.667	0.00	1.36	4.079	O					6.56	43.750	0.00	1.28	3.523	O					5.85
38.750	0.00	1.36	4.069	O					6.54	43.833	0.00	1.28	3.514	O					5.84

43.917	0.00	1.28	3.506	O					5.83	49.000	0.00	1.20	2.984	O					5.12
44.000	0.00	1.28	3.497	O					5.81	49.083	0.00	1.20	2.976	O					5.11
44.083	0.00	1.28	3.488	O					5.80	49.167	0.00	1.20	2.967	O					5.10
44.167	0.00	1.28	3.479	O					5.79	49.250	0.00	1.20	2.959	O					5.09
44.250	0.00	1.28	3.470	O					5.78	49.333	0.00	1.20	2.951	O					5.08
44.333	0.00	1.27	3.462	O					5.77	49.417	0.00	1.20	2.943	O					5.07
44.417	0.00	1.27	3.453	O					5.75	49.500	0.00	1.20	2.934	O					5.05
44.500	0.00	1.27	3.444	O					5.74	49.583	0.00	1.19	2.926	O					5.04
44.583	0.00	1.27	3.435	O					5.73	49.667	0.00	1.19	2.918	O					5.03
44.667	0.00	1.27	3.427	O					5.72	49.750	0.00	1.19	2.910	O					5.02
44.750	0.00	1.27	3.418	O					5.71	49.833	0.00	1.19	2.901	O					5.01
44.833	0.00	1.27	3.409	O					5.70	49.917	0.00	1.19	2.893	O					5.00
44.917	0.00	1.27	3.400	O					5.68	50.000	0.00	1.19	2.885	O					4.99
45.000	0.00	1.26	3.392	O					5.67	50.083	0.00	1.19	2.877	O					4.97
45.083	0.00	1.26	3.383	O					5.66	50.167	0.00	1.18	2.869	O					4.96
45.167	0.00	1.26	3.374	O					5.65	50.250	0.00	1.18	2.861	O					4.95
45.250	0.00	1.26	3.366	O					5.64	50.333	0.00	1.18	2.852	O					4.94
45.333	0.00	1.26	3.357	O					5.62	50.417	0.00	1.18	2.844	O					4.92
45.417	0.00	1.26	3.348	O					5.61	50.500	0.00	1.18	2.836	O					4.91
45.500	0.00	1.26	3.340	O					5.60	50.583	0.00	1.18	2.828	O					4.90
45.583	0.00	1.25	3.331	O					5.59	50.667	0.00	1.17	2.820	O					4.89
45.667	0.00	1.25	3.322	O					5.58	50.750	0.00	1.17	2.812	O					4.88
45.750	0.00	1.25	3.314	O					5.57	50.833	0.00	1.17	2.804	O					4.86
45.833	0.00	1.25	3.305	O					5.55	50.917	0.00	1.17	2.796	O					4.85
45.917	0.00	1.25	3.296	O					5.54	51.000	0.00	1.17	2.788	O					4.84
46.000	0.00	1.25	3.288	O					5.53	51.083	0.00	1.17	2.780	O					4.83
46.083	0.00	1.25	3.279	O					5.52	51.167	0.00	1.16	2.772	O					4.81
46.167	0.00	1.25	3.271	O					5.51	51.250	0.00	1.16	2.764	O					4.80
46.250	0.00	1.24	3.262	O					5.50	51.333	0.00	1.16	2.756	O					4.79
46.333	0.00	1.24	3.254	O					5.49	51.417	0.00	1.16	2.748	O					4.78
46.417	0.00	1.24	3.245	O					5.47	51.500	0.00	1.16	2.740	O					4.77
46.500	0.00	1.24	3.236	O					5.46	51.583	0.00	1.16	2.732	O					4.75
46.583	0.00	1.24	3.228	O					5.45	51.667	0.00	1.15	2.724	O					4.74
46.667	0.00	1.24	3.219	O					5.44	51.750	0.00	1.15	2.716	O					4.73
46.750	0.00	1.24	3.211	O					5.43	51.833	0.00	1.15	2.708	O					4.72
46.833	0.00	1.24	3.202	O					5.42	51.917	0.00	1.15	2.700	O					4.71
46.917	0.00	1.23	3.194	O					5.40	52.000	0.00	1.15	2.692	O					4.69
47.000	0.00	1.23	3.185	O					5.39	52.083	0.00	1.15	2.684	O					4.68
47.083	0.00	1.23	3.177	O					5.38	52.167	0.00	1.14	2.676	O					4.67
47.167	0.00	1.23	3.168	O					5.37	52.250	0.00	1.14	2.668	O					4.66
47.250	0.00	1.23	3.160	O					5.36	52.333	0.00	1.14	2.661	O					4.65
47.333	0.00	1.23	3.151	O					5.35	52.417	0.00	1.14	2.653	O					4.63
47.417	0.00	1.23	3.143	O					5.34	52.500	0.00	1.14	2.645	O					4.62
47.500	0.00	1.23	3.134	O					5.32	52.583	0.00	1.14	2.637	O					4.61
47.583	0.00	1.22	3.126	O					5.31	52.667	0.00	1.13	2.629	O					4.60
47.667	0.00	1.22	3.118	O					5.30	52.750	0.00	1.13	2.622	O					4.59
47.750	0.00	1.22	3.109	O					5.29	52.833	0.00	1.13	2.614	O					4.57
47.833	0.00	1.22	3.101	O					5.28	52.917	0.00	1.13	2.606	O					4.56
47.917	0.00	1.22	3.092	O					5.27	53.000	0.00	1.13	2.598	O					4.55
48.000	0.00	1.22	3.084	O					5.26	53.083	0.00	1.13	2.590	O					4.54
48.083	0.00	1.22	3.076	O					5.25	53.167	0.00	1.12	2.583	O					4.53
48.167	0.00	1.22	3.067	O					5.23	53.250	0.00	1.12	2.575	O					4.52
48.250	0.00	1.21	3.059	O					5.22	53.333	0.00	1.12	2.567	O					4.50
48.333	0.00	1.21	3.051	O					5.21	53.417	0.00	1.12	2.559	O					4.49
48.417	0.00	1.21	3.042	O					5.20	53.500	0.00	1.12	2.552	O					4.48
48.500	0.00	1.21	3.034	O					5.19	53.583	0.00	1.12	2.544	O					4.47
48.583	0.00	1.21	3.025	O					5.18	53.667	0.00	1.11	2.536	O					4.46
48.667	0.00	1.21	3.017	O					5.17	53.750	0.00	1.11	2.529	O					4.44
48.750	0.00	1.21	3.009	O					5.15	53.833	0.00	1.11	2.521	O					4.43
48.833	0.00	1.21	3.001	O					5.14	53.917	0.00	1.11	2.513	O					4.42
48.917	0.00	1.20	2.992	O					5.13	54.000	0.00	1.11	2.506	O					4.41

54.083	0.00	1.11	2.498	O					4.40	59.167	0.00	1.01	2.054	O					3.72
54.167	0.00	1.10	2.491	O					4.39	59.250	0.00	1.01	2.047	O					3.71
54.250	0.00	1.10	2.483	O					4.38	59.333	0.00	1.01	2.040	O					3.70
54.333	0.00	1.10	2.475	O					4.36	59.417	0.00	1.01	2.033	O					3.69
54.417	0.00	1.10	2.468	O					4.35	59.500	0.00	1.01	2.026	O					3.68
54.500	0.00	1.10	2.460	O					4.34	59.583	0.00	1.00	2.019	O					3.67
54.583	0.00	1.10	2.453	O					4.33	59.667	0.00	1.00	2.012	O					3.66
54.667	0.00	1.09	2.445	O					4.32	59.750	0.00	1.00	2.005	O					3.65
54.750	0.00	1.09	2.438	O					4.31	59.833	0.00	1.00	1.998	O					3.64
54.833	0.00	1.09	2.430	O					4.30	59.917	0.00	1.00	1.992	O					3.63
54.917	0.00	1.09	2.423	O					4.28	60.000	0.00	1.00	1.985	O					3.62
55.000	0.00	1.09	2.415	O					4.27	60.083	0.00	1.00	1.978	O					3.61
55.083	0.00	1.09	2.408	O					4.26	60.167	0.00	0.99	1.971	O					3.60
55.167	0.00	1.08	2.400	O					4.25	60.250	0.00	0.99	1.964	O					3.59
55.250	0.00	1.08	2.393	O					4.24	60.333	0.00	0.99	1.957	O					3.58
55.333	0.00	1.08	2.385	O					4.23	60.417	0.00	0.99	1.950	O					3.57
55.417	0.00	1.08	2.378	O					4.22	60.500	0.00	0.99	1.944	O					3.56
55.500	0.00	1.08	2.370	O					4.20	60.583	0.00	0.99	1.937	O					3.55
55.583	0.00	1.08	2.363	O					4.19	60.667	0.00	0.98	1.930	O					3.54
55.667	0.00	1.08	2.356	O					4.18	60.750	0.00	0.98	1.923	O					3.52
55.750	0.00	1.07	2.348	O					4.17	60.833	0.00	0.98	1.917	O					3.51
55.833	0.00	1.07	2.341	O					4.16	60.917	0.00	0.98	1.910	O					3.50
55.917	0.00	1.07	2.333	O					4.15	61.000	0.00	0.98	1.903	O					3.49
56.000	0.00	1.07	2.326	O					4.14	61.083	0.00	0.98	1.896	O					3.48
56.083	0.00	1.07	2.319	O					4.13	61.167	0.00	0.98	1.890	O					3.47
56.167	0.00	1.07	2.311	O					4.11	61.250	0.00	0.97	1.883	O					3.46
56.250	0.00	1.06	2.304	O					4.10	61.333	0.00	0.97	1.876	O					3.45
56.333	0.00	1.06	2.297	O					4.09	61.417	0.00	0.97	1.869	O					3.44
56.417	0.00	1.06	2.289	O					4.08	61.500	0.00	0.97	1.863	O					3.43
56.500	0.00	1.06	2.282	O					4.07	61.583	0.00	0.97	1.856	O					3.42
56.583	0.00	1.06	2.275	O					4.06	61.667	0.00	0.97	1.849	O					3.41
56.667	0.00	1.06	2.267	O					4.05	61.750	0.00	0.97	1.843	O					3.40
56.750	0.00	1.06	2.260	O					4.04	61.833	0.00	0.96	1.836	O					3.39
56.833	0.00	1.05	2.253	O					4.03	61.917	0.00	0.96	1.829	O					3.38
56.917	0.00	1.05	2.246	O					4.01	62.000	0.00	0.96	1.823	O					3.37
57.000	0.00	1.05	2.238	O					4.00	62.083	0.00	0.96	1.816	O					3.36
57.083	0.00	1.05	2.231	O					3.99	62.167	0.00	0.96	1.810	O					3.35
57.167	0.00	1.05	2.224	O					3.98	62.250	0.00	0.96	1.803	O					3.34
57.250	0.00	1.05	2.217	O					3.97	62.333	0.00	0.96	1.796	O					3.33
57.333	0.00	1.04	2.210	O					3.96	62.417	0.00	0.96	1.790	O					3.32
57.417	0.00	1.04	2.202	O					3.95	62.500	0.00	0.95	1.783	O					3.31
57.500	0.00	1.04	2.195	O					3.94	62.583	0.00	0.95	1.777	O					3.30
57.583	0.00	1.04	2.188	O					3.93	62.667	0.00	0.95	1.770	O					3.29
57.667	0.00	1.04	2.181	O					3.92	62.750	0.00	0.95	1.764	O					3.28
57.750	0.00	1.04	2.174	O					3.91	62.833	0.00	0.95	1.757	O					3.27
57.833	0.00	1.04	2.167	O					3.89	62.917	0.00	0.95	1.751	O					3.26
57.917	0.00	1.03	2.159	O					3.88	63.000	0.00	0.95	1.744	O					3.25
58.000	0.00	1.03	2.152	O					3.87	63.083	0.00	0.94	1.738	O					3.24
58.083	0.00	1.03	2.145	O					3.86	63.167	0.00	0.94	1.731	O					3.23
58.167	0.00	1.03	2.138	O					3.85	63.250	0.00	0.94	1.725	O					3.22
58.250	0.00	1.03	2.131	O					3.84	63.333	0.00	0.94	1.718	O					3.21
58.333	0.00	1.03	2.124	O					3.83	63.417	0.00	0.94	1.712	O					3.20
58.417	0.00	1.02	2.117	O					3.82	63.500	0.00	0.94	1.705	O					3.19
58.500	0.00	1.02	2.110	O					3.81	63.583	0.00	0.94	1.699	O					3.18
58.583	0.00	1.02	2.103	O					3.80	63.667	0.00	0.93	1.692	O					3.17
58.667	0.00	1.02	2.096	O					3.79	63.750	0.00	0.93	1.686	O					3.16
58.750	0.00	1.02	2.089	O					3.78	63.833	0.00	0.93	1.679	O					3.15
58.833	0.00	1.02	2.082	O					3.77	63.917	0.00	0.93	1.673	O					3.14
58.917	0.00	1.02	2.075	O					3.75	64.000	0.00	0.93	1.667	O					3.13
59.000	0.00	1.01	2.068	O					3.74	64.083	0.00	0.93	1.660	O					3.12
59.083	0.00	1.01	2.061	O					3.73	64.167	0.00	0.93	1.654	O					3.12

64.250	0.00	0.92	1.647	O					3.11	69.333	0.00	0.80	1.284	O					2.47
64.333	0.00	0.92	1.641	O					3.10	69.417	0.00	0.80	1.278	O					2.46
64.417	0.00	0.92	1.635	O					3.09	69.500	0.00	0.80	1.273	O					2.45
64.500	0.00	0.92	1.628	O					3.08	69.583	0.00	0.79	1.267	O					2.44
64.583	0.00	0.92	1.622	O					3.07	69.667	0.00	0.79	1.262	O					2.43
64.667	0.00	0.92	1.616	O					3.06	69.750	0.00	0.79	1.256	O					2.42
64.750	0.00	0.92	1.609	O					3.05	69.833	0.00	0.79	1.251	O					2.41
64.833	0.00	0.92	1.603	O					3.04	69.917	0.00	0.79	1.246	O					2.40
64.917	0.00	0.91	1.597	O					3.03	70.000	0.00	0.78	1.240	O					2.39
65.000	0.00	0.91	1.590	O					3.02	70.083	0.00	0.78	1.235	O					2.38
65.083	0.00	0.91	1.584	O					3.01	70.167	0.00	0.78	1.229	O					2.37
65.167	0.00	0.91	1.578	O					3.00	70.250	0.00	0.78	1.224	O					2.36
65.250	0.00	0.91	1.572	O					2.99	70.333	0.00	0.78	1.219	O					2.35
65.333	0.00	0.91	1.565	O					2.98	70.417	0.00	0.77	1.213	O					2.34
65.417	0.00	0.90	1.559	O					2.97	70.500	0.00	0.77	1.208	O					2.33
65.500	0.00	0.90	1.553	O					2.95	70.583	0.00	0.77	1.203	O					2.32
65.583	0.00	0.90	1.547	O					2.94	70.667	0.00	0.77	1.197	O					2.31
65.667	0.00	0.90	1.541	O					2.93	70.750	0.00	0.77	1.192	O					2.30
65.750	0.00	0.89	1.534	O					2.92	70.833	0.00	0.76	1.187	O					2.29
65.833	0.00	0.89	1.528	O					2.91	70.917	0.00	0.76	1.182	O					2.28
65.917	0.00	0.89	1.522	O					2.90	71.000	0.00	0.76	1.176	O					2.27
66.000	0.00	0.89	1.516	O					2.89	71.083	0.00	0.76	1.171	O					2.26
66.083	0.00	0.88	1.510	O					2.88	71.167	0.00	0.76	1.166	O					2.25
66.167	0.00	0.88	1.504	O					2.87	71.250	0.00	0.75	1.161	O					2.24
66.250	0.00	0.88	1.498	O					2.85	71.333	0.00	0.75	1.155	O					2.23
66.333	0.00	0.88	1.492	O					2.84	71.417	0.00	0.75	1.150	O					2.22
66.417	0.00	0.88	1.486	O					2.83	71.500	0.00	0.75	1.145	O					2.22
66.500	0.00	0.87	1.480	O					2.82	71.583	0.00	0.75	1.140	O					2.21
66.583	0.00	0.87	1.474	O					2.81	71.667	0.00	0.75	1.135	O					2.20
66.667	0.00	0.87	1.468	O					2.80	71.750	0.00	0.74	1.130	O					2.19
66.750	0.00	0.87	1.462	O					2.79	71.833	0.00	0.74	1.125	O					2.18
66.833	0.00	0.86	1.456	O					2.78	71.917	0.00	0.74	1.119	O					2.17
66.917	0.00	0.86	1.450	O					2.77	72.000	0.00	0.74	1.114	O					2.16
67.000	0.00	0.86	1.444	O					2.76	72.083	0.00	0.74	1.109	O					2.15
67.083	0.00	0.86	1.438	O					2.75	72.167	0.00	0.73	1.104	O					2.14
67.167	0.00	0.86	1.432	O					2.74	72.250	0.00	0.73	1.099	O					2.13
67.250	0.00	0.85	1.426	O					2.72	72.333	0.00	0.73	1.094	O					2.12
67.333	0.00	0.85	1.420	O					2.71	72.417	0.00	0.73	1.089	O					2.11
67.417	0.00	0.85	1.414	O					2.70	72.500	0.00	0.73	1.084	O					2.10
67.500	0.00	0.85	1.409	O					2.69	72.583	0.00	0.72	1.079	O					2.10
67.583	0.00	0.84	1.403	O					2.68	72.667	0.00	0.72	1.074	O					2.09
67.667	0.00	0.84	1.397	O					2.67	72.750	0.00	0.72	1.069	O					2.08
67.750	0.00	0.84	1.391	O					2.66	72.833	0.00	0.72	1.064	O					2.07
67.833	0.00	0.84	1.385	O					2.65	72.917	0.00	0.72	1.059	O					2.06
67.917	0.00	0.84	1.380	O					2.64	73.000	0.00	0.72	1.054	O					2.05
68.000	0.00	0.83	1.374	O					2.63	73.083	0.00	0.71	1.049	O					2.04
68.083	0.00	0.83	1.368	O					2.62	73.167	0.00	0.71	1.045	O					2.03
68.167	0.00	0.83	1.362	O					2.61	73.250	0.00	0.71	1.040	O					2.02
68.250	0.00	0.83	1.357	O					2.60	73.333	0.00	0.71	1.035	O					2.01
68.333	0.00	0.83	1.351	O					2.59	73.417	0.00	0.71	1.030	O					2.01
68.417	0.00	0.82	1.345	O					2.58	73.500	0.00	0.70	1.025	O					2.00
68.500	0.00	0.82	1.340	O					2.57	73.583	0.00	0.70	1.020	O					1.99
68.583	0.00	0.82	1.334	O					2.56	73.667	0.00	0.70	1.015	O					1.98
68.667	0.00	0.82	1.328	O					2.55	73.750	0.00	0.70	1.011	O					1.97
68.750	0.00	0.82	1.323	O					2.54	73.833	0.00	0.70	1.006	O					1.96
68.833	0.00	0.81	1.317	O					2.53	73.917	0.00	0.70	1.001	O					1.95
68.917	0.00	0.81	1.312	O					2.52	74.000	0.00	0.69	0.996	O					1.94
69.000	0.00	0.81	1.306	O					2.51	74.083	0.00	0.69	0.991	O					1.94
69.083	0.00	0.81	1.300	O					2.50	74.167	0.00	0.69	0.987	O					1.93
69.167	0.00	0.80	1.295	O					2.49	74.250	0.00	0.69	0.982	O					1.92
69.250	0.00	0.80	1.289	O					2.48	74.333	0.00	0.69	0.977	O					1.91

74.417	0.00	0.68	0.972	O					1.90	79.500	0.00	0.59	0.706	O					1.42
74.500	0.00	0.68	0.968	O					1.89	79.583	0.00	0.58	0.702	O					1.41
74.583	0.00	0.68	0.963	O					1.88	79.667	0.00	0.58	0.698	O					1.40
74.667	0.00	0.68	0.958	O					1.88	79.750	0.00	0.58	0.694	O					1.40
74.750	0.00	0.68	0.954	O					1.87	79.833	0.00	0.58	0.690	O					1.39
74.833	0.00	0.68	0.949	O					1.86	79.917	0.00	0.58	0.686	O					1.38
74.917	0.00	0.67	0.944	O					1.85	80.000	0.00	0.58	0.682	O					1.38
75.000	0.00	0.67	0.940	O					1.84	80.083	0.00	0.58	0.678	O					1.37
75.083	0.00	0.67	0.935	O					1.83	80.167	0.00	0.57	0.674	O					1.36
75.167	0.00	0.67	0.930	O					1.83	80.250	0.00	0.57	0.670	O					1.35
75.250	0.00	0.67	0.926	O					1.82	80.333	0.00	0.57	0.666	O					1.35
75.333	0.00	0.67	0.921	O					1.81	80.417	0.00	0.57	0.662	O					1.34
75.417	0.00	0.66	0.917	O					1.80	80.500	0.00	0.57	0.658	O					1.33
75.500	0.00	0.66	0.912	O					1.79	80.583	0.00	0.57	0.654	O					1.33
75.583	0.00	0.66	0.908	O					1.78	80.667	0.00	0.57	0.651	O					1.32
75.667	0.00	0.66	0.903	O					1.78	80.750	0.00	0.56	0.647	O					1.31
75.750	0.00	0.66	0.898	O					1.77	80.833	0.00	0.56	0.643	O					1.30
75.833	0.00	0.66	0.894	O					1.76	80.917	0.00	0.56	0.639	O					1.30
75.917	0.00	0.65	0.889	O					1.75	81.000	0.00	0.56	0.635	O					1.29
76.000	0.00	0.65	0.885	O					1.74	81.083	0.00	0.56	0.631	O					1.28
76.083	0.00	0.65	0.880	O					1.74	81.167	0.00	0.56	0.627	O					1.28
76.167	0.00	0.65	0.876	O					1.73	81.250	0.00	0.56	0.624	O					1.27
76.250	0.00	0.65	0.871	O					1.72	81.333	0.00	0.55	0.620	O					1.26
76.333	0.00	0.65	0.867	O					1.71	81.417	0.00	0.55	0.616	O					1.26
76.417	0.00	0.64	0.863	O					1.70	81.500	0.00	0.55	0.612	O					1.25
76.500	0.00	0.64	0.858	O					1.69	81.583	0.00	0.55	0.608	O					1.24
76.583	0.00	0.64	0.854	O					1.69	81.667	0.00	0.55	0.605	O					1.23
76.667	0.00	0.64	0.849	O					1.68	81.750	0.00	0.55	0.601	O					1.23
76.750	0.00	0.64	0.845	O					1.67	81.833	0.00	0.55	0.597	O					1.22
76.833	0.00	0.64	0.841	O					1.66	81.917	0.00	0.54	0.593	O					1.21
76.917	0.00	0.63	0.836	O					1.65	82.000	0.00	0.54	0.589	O					1.21
77.000	0.00	0.63	0.832	O					1.65	82.083	0.00	0.54	0.586	O					1.20
77.083	0.00	0.63	0.827	O					1.64	82.167	0.00	0.54	0.582	O					1.19
77.167	0.00	0.63	0.823	O					1.63	82.250	0.00	0.54	0.578	O					1.19
77.250	0.00	0.63	0.819	O					1.62	82.333	0.00	0.54	0.575	O					1.18
77.333	0.00	0.63	0.814	O					1.62	82.417	0.00	0.54	0.571	O					1.17
77.417	0.00	0.62	0.810	O					1.61	82.500	0.00	0.53	0.567	O					1.17
77.500	0.00	0.62	0.806	O					1.60	82.583	0.00	0.53	0.564	O					1.16
77.583	0.00	0.62	0.802	O					1.59	82.667	0.00	0.53	0.560	O					1.15
77.667	0.00	0.62	0.797	O					1.58	82.750	0.00	0.53	0.556	O					1.15
77.750	0.00	0.62	0.793	O					1.58	82.833	0.00	0.53	0.553	O					1.14
77.833	0.00	0.62	0.789	O					1.57	82.917	0.00	0.53	0.549	O					1.13
77.917	0.00	0.62	0.785	O					1.56	83.000	0.00	0.53	0.545	O					1.13
78.000	0.00	0.61	0.780	O					1.55	83.083	0.00	0.52	0.542	O					1.12
78.083	0.00	0.61	0.776	O					1.55	83.167	0.00	0.52	0.538	O					1.11
78.167	0.00	0.61	0.772	O					1.54	83.250	0.00	0.52	0.534	O					1.11
78.250	0.00	0.61	0.768	O					1.53	83.333	0.00	0.52	0.531	O					1.10
78.333	0.00	0.61	0.764	O					1.52	83.417	0.00	0.52	0.527	O					1.09
78.417	0.00	0.61	0.759	O					1.52	83.500	0.00	0.52	0.524	O					1.09
78.500	0.00	0.60	0.755	O					1.51	83.583	0.00	0.52	0.520	O					1.08
78.583	0.00	0.60	0.751	O					1.50	83.667	0.00	0.52	0.517	O					1.08
78.667	0.00	0.60	0.747	O					1.49	83.750	0.00	0.51	0.513	O					1.07
78.750	0.00	0.60	0.743	O					1.49	83.833	0.00	0.51	0.510	O					1.06
78.833	0.00	0.60	0.739	O					1.48	83.917	0.00	0.51	0.506	O					1.06
78.917	0.00	0.60	0.734	O					1.47	84.000	0.00	0.51	0.503	O					1.05
79.000	0.00	0.59	0.730	O					1.46	84.083	0.00	0.51	0.499	O					1.04
79.083	0.00	0.59	0.726	O					1.46	84.167	0.00	0.51	0.495	O					1.04
79.167	0.00	0.59	0.722	O					1.45	84.250	0.00	0.51	0.492	O					1.03
79.250	0.00	0.59	0.718	O					1.44	84.333	0.00	0.51	0.489	O					1.02
79.333	0.00	0.59	0.714	O					1.43	84.417	0.00	0.50	0.485	O					1.02
79.417	0.00	0.59	0.710	O					1.43	84.500	0.00	0.50	0.482	O					1.01

84.583	0.00	0.50	0.478	O					1.01	89.667	0.00	0.32	0.307	O					0.65
84.667	0.00	0.50	0.475	O					1.00	89.750	0.00	0.32	0.305	O					0.64
84.750	0.00	0.50	0.471	O					0.99	89.833	0.00	0.32	0.303	O					0.64
84.833	0.00	0.49	0.468	O					0.98	89.917	0.00	0.32	0.301	O					0.63
84.917	0.00	0.49	0.464	O					0.98	90.000	0.00	0.31	0.298	O					0.63
85.000	0.00	0.49	0.461	O					0.97	90.083	0.00	0.31	0.296	O					0.62
85.083	0.00	0.48	0.458	O					0.96	90.167	0.00	0.31	0.294	O					0.62
85.167	0.00	0.48	0.454	O					0.96	90.250	0.00	0.31	0.292	O					0.61
85.250	0.00	0.47	0.451	O					0.95	90.333	0.00	0.31	0.290	O					0.61
85.333	0.00	0.47	0.448	O					0.94	90.417	0.00	0.30	0.288	O					0.61
85.417	0.00	0.47	0.445	O					0.94	90.500	0.00	0.30	0.286	O					0.60
85.500	0.00	0.46	0.441	O					0.93	90.583	0.00	0.30	0.284	O					0.60
85.583	0.00	0.46	0.438	O					0.92	90.667	0.00	0.30	0.282	O					0.59
85.667	0.00	0.46	0.435	O					0.92	90.750	0.00	0.29	0.280	O					0.59
85.750	0.00	0.45	0.432	O					0.91	90.833	0.00	0.29	0.278	O					0.58
85.833	0.00	0.45	0.429	O					0.90	90.917	0.00	0.29	0.276	O					0.58
85.917	0.00	0.45	0.426	O					0.90	91.000	0.00	0.29	0.274	O					0.58
86.000	0.00	0.44	0.423	O					0.89	91.083	0.00	0.29	0.272	O					0.57
86.083	0.00	0.44	0.420	O					0.88	91.167	0.00	0.28	0.270	O					0.57
86.167	0.00	0.44	0.417	O					0.88	91.250	0.00	0.28	0.268	O					0.56
86.250	0.00	0.44	0.414	O					0.87	91.333	0.00	0.28	0.266	O					0.56
86.333	0.00	0.43	0.411	O					0.86	91.417	0.00	0.28	0.264	O					0.56
86.417	0.00	0.43	0.408	O					0.86	91.500	0.00	0.28	0.262	O					0.55
86.500	0.00	0.43	0.405	O					0.85	91.583	0.00	0.27	0.260	O					0.55
86.583	0.00	0.42	0.402	O					0.85	91.667	0.00	0.27	0.258	O					0.54
86.667	0.00	0.42	0.399	O					0.84	91.750	0.00	0.27	0.256	O					0.54
86.750	0.00	0.42	0.396	O					0.83	91.833	0.00	0.27	0.254	O					0.54
86.833	0.00	0.41	0.393	O					0.83	91.917	0.00	0.27	0.253	O					0.53
86.917	0.00	0.41	0.390	O					0.82	92.000	0.00	0.26	0.251	O					0.53
87.000	0.00	0.41	0.387	O					0.82	92.083	0.00	0.26	0.249	O					0.52
87.083	0.00	0.40	0.385	O					0.81	92.167	0.00	0.26	0.247	O					0.52
87.167	0.00	0.40	0.382	O					0.80	92.250	0.00	0.26	0.245	O					0.52
87.250	0.00	0.40	0.379	O					0.80	92.333	0.00	0.26	0.244	O					0.51
87.333	0.00	0.40	0.376	O					0.79	92.417	0.00	0.25	0.242	O					0.51
87.417	0.00	0.39	0.374	O					0.79	92.500	0.00	0.25	0.240	O					0.51
87.500	0.00	0.39	0.371	O					0.78	92.583	0.00	0.25	0.238	O					0.50
87.583	0.00	0.39	0.368	O					0.78	92.667	0.00	0.25	0.237	O					0.50
87.667	0.00	0.38	0.366	O					0.77	92.750	0.00	0.25	0.235	O					0.49
87.750	0.00	0.38	0.363	O					0.76	92.833	0.00	0.25	0.233	O					0.49
87.833	0.00	0.38	0.360	O					0.76	92.917	0.00	0.24	0.232	O					0.49
87.917	0.00	0.38	0.358	O					0.75	93.000	0.00	0.24	0.230	O					0.48
88.000	0.00	0.37	0.355	O					0.75	93.083	0.00	0.24	0.228	O					0.48
88.083	0.00	0.37	0.353	O					0.74	93.167	0.00	0.24	0.227	O					0.48
88.167	0.00	0.37	0.350	O					0.74	93.250	0.00	0.24	0.225	O					0.47
88.250	0.00	0.37	0.348	O					0.73	93.333	0.00	0.24	0.223	O					0.47
88.333	0.00	0.36	0.345	O					0.73	93.417	0.00	0.23	0.222	O					0.47
88.417	0.00	0.36	0.343	O					0.72	93.500	0.00	0.23	0.220	O					0.46
88.500	0.00	0.36	0.340	O					0.72	93.583	0.00	0.23	0.219	O					0.46
88.583	0.00	0.36	0.338	O					0.71	93.667	0.00	0.23	0.217	O					0.46
88.667	0.00	0.35	0.335	O					0.71	93.750	0.00	0.23	0.215	O					0.45
88.750	0.00	0.35	0.333	O					0.70	93.833	0.00	0.23	0.214	O					0.45
88.833	0.00	0.35	0.330	O					0.70	93.917	0.00	0.22	0.212	O					0.45
88.917	0.00	0.35	0.328	O					0.69	94.000	0.00	0.22	0.211	O					0.44
89.000	0.00	0.34	0.326	O					0.69	94.083	0.00	0.22	0.209	O					0.44
89.083	0.00	0.34	0.323	O					0.68	94.167	0.00	0.22	0.208	O					0.44
89.167	0.00	0.34	0.321	O					0.68	94.250	0.00	0.22	0.206	O					0.43
89.250	0.00	0.34	0.319	O					0.67	94.333	0.00	0.22	0.205	O					0.43
89.333	0.00	0.33	0.316	O					0.67	94.417	0.00	0.21	0.203	O					0.43
89.417	0.00	0.33	0.314	O					0.66	94.500	0.00	0.21	0.202	O					0.42
89.500	0.00	0.33	0.312	O					0.66	94.583	0.00	0.21	0.200	O					0.42
89.583	0.00	0.33	0.309	O					0.65	94.667	0.00	0.21	0.199	O					0.42

94.750	0.00	0.21	0.197	O	|	|	|	|	0.42	99.833	0.00	0.13	0.127	O	|	|	|	|	0.27
94.833	0.00	0.21	0.196	O	|	|	|	|	0.41	99.917	0.00	0.13	0.126	O	|	|	|	|	0.27
94.917	0.00	0.20	0.195	O	|	|	|	|	0.41	100.000	0.00	0.13	0.125	O	|	|	|	|	0.26
95.000	0.00	0.20	0.193	O	|	|	|	|	0.41	100.083	0.00	0.13	0.124	O	|	|	|	|	0.26
95.083	0.00	0.20	0.192	O	|	|	|	|	0.40	100.167	0.00	0.13	0.123	O	|	|	|	|	0.26
95.167	0.00	0.20	0.190	O	|	|	|	|	0.40	100.250	0.00	0.13	0.122	O	|	|	|	|	0.26
95.250	0.00	0.20	0.189	O	|	|	|	|	0.40	100.333	0.00	0.13	0.121	O	|	|	|	|	0.26
95.333	0.00	0.20	0.188	O	|	|	|	|	0.40	100.417	0.00	0.13	0.121	O	|	|	|	|	0.25
95.417	0.00	0.20	0.186	O	|	|	|	|	0.39	100.500	0.00	0.13	0.120	O	|	|	|	|	0.25
95.500	0.00	0.19	0.185	O	|	|	|	|	0.39	100.583	0.00	0.13	0.119	O	|	|	|	|	0.25
95.583	0.00	0.19	0.184	O	|	|	|	|	0.39	100.667	0.00	0.12	0.118	O	|	|	|	|	0.25
95.667	0.00	0.19	0.182	O	|	|	|	|	0.38	100.750	0.00	0.12	0.117	O	|	|	|	|	0.25
95.750	0.00	0.19	0.181	O	|	|	|	|	0.38	100.833	0.00	0.12	0.116	O	|	|	|	|	0.24
95.833	0.00	0.19	0.180	O	|	|	|	|	0.38	100.917	0.00	0.12	0.115	O	|	|	|	|	0.24
95.917	0.00	0.19	0.178	O	|	|	|	|	0.38	101.000	0.00	0.12	0.115	O	|	|	|	|	0.24
96.000	0.00	0.19	0.177	O	|	|	|	|	0.37	101.083	0.00	0.12	0.114	O	|	|	|	|	0.24
96.083	0.00	0.19	0.176	O	|	|	|	|	0.37	101.167	0.00	0.12	0.113	O	|	|	|	|	0.24
96.167	0.00	0.18	0.175	O	|	|	|	|	0.37	101.250	0.00	0.12	0.112	O	|	|	|	|	0.24
96.250	0.00	0.18	0.173	O	|	|	|	|	0.36	101.333	0.00	0.12	0.111	O	|	|	|	|	0.23
96.333	0.00	0.18	0.172	O	|	|	|	|	0.36	101.417	0.00	0.12	0.111	O	|	|	|	|	0.23
96.417	0.00	0.18	0.171	O	|	|	|	|	0.36	101.500	0.00	0.12	0.110	O	|	|	|	|	0.23
96.500	0.00	0.18	0.170	O	|	|	|	|	0.36	101.583	0.00	0.11	0.109	O	|	|	|	|	0.23
96.583	0.00	0.18	0.168	O	|	|	|	|	0.35	101.667	0.00	0.11	0.108	O	|	|	|	|	0.23
96.667	0.00	0.18	0.167	O	|	|	|	|	0.35	101.750	0.00	0.11	0.107	O	|	|	|	|	0.23
96.750	0.00	0.17	0.166	O	|	|	|	|	0.35	101.833	0.00	0.11	0.107	O	|	|	|	|	0.22
96.833	0.00	0.17	0.165	O	|	|	|	|	0.35	101.917	0.00	0.11	0.106	O	|	|	|	|	0.22
96.917	0.00	0.17	0.164	O	|	|	|	|	0.34	102.000	0.00	0.11	0.105	O	|	|	|	|	0.22
97.000	0.00	0.17	0.162	O	|	|	|	|	0.34	102.083	0.00	0.11	0.104	O	|	|	|	|	0.22
97.083	0.00	0.17	0.161	O	|	|	|	|	0.34	102.167	0.00	0.11	0.104	O	|	|	|	|	0.22
97.167	0.00	0.17	0.160	O	|	|	|	|	0.34	102.250	0.00	0.11	0.103	O	|	|	|	|	0.22
97.250	0.00	0.17	0.159	O	|	|	|	|	0.33	102.333	0.00	0.11	0.102	O	|	|	|	|	0.21
97.333	0.00	0.17	0.158	O	|	|	|	|	0.33	102.417	0.00	0.11	0.101	O	|	|	|	|	0.21
97.417	0.00	0.16	0.157	O	|	|	|	|	0.33	102.500	0.00	0.11	0.101	O	|	|	|	|	0.21
97.500	0.00	0.16	0.155	O	|	|	|	|	0.33	102.583	0.00	0.11	0.100	O	|	|	|	|	0.21
97.583	0.00	0.16	0.154	O	|	|	|	|	0.32	102.667	0.00	0.10	0.099	O	|	|	|	|	0.21
97.667	0.00	0.16	0.153	O	|	|	|	|	0.32	102.750	0.00	0.10	0.098	O	|	|	|	|	0.21
97.750	0.00	0.16	0.152	O	|	|	|	|	0.32	102.833	0.00	0.10	0.098	O	|	|	|	|	0.21
97.833	0.00	0.16	0.151	O	|	|	|	|	0.32	102.917	0.00	0.10	0.097	O	|	|	|	|	0.20
97.917	0.00	0.16	0.150	O	|	|	|	|	0.32	103.000	0.00	0.10	0.096	O	|	|	|	|	0.20
98.000	0.00	0.16	0.149	O	|	|	|	|	0.31	103.083	0.00	0.10	0.096	O	|	|	|	|	0.20
98.083	0.00	0.16	0.148	O	|	|	|	|	0.31	103.167	0.00	0.10	0.095	O	|	|	|	|	0.20
98.167	0.00	0.15	0.147	O	|	|	|	|	0.31	103.250	0.00	0.10	0.094	O	|	|	|	|	0.20
98.250	0.00	0.15	0.146	O	|	|	|	|	0.31	103.333	0.00	0.10	0.094	O	|	|	|	|	0.20
98.333	0.00	0.15	0.145	O	|	|	|	|	0.30	103.417	0.00	0.10	0.093	O	|	|	|	|	0.20
98.417	0.00	0.15	0.144	O	|	|	|	|	0.30	103.500	0.00	0.10	0.092	O	|	|	|	|	0.19
98.500	0.00	0.15	0.142	O	|	|	|	|	0.30	103.583	0.00	0.10	0.092	O	|	|	|	|	0.19
98.583	0.00	0.15	0.141	O	|	|	|	|	0.30	103.667	0.00	0.10	0.091	O	|	|	|	|	0.19
98.667	0.00	0.15	0.140	O	|	|	|	|	0.30	103.750	0.00	0.09	0.090	O	|	|	|	|	0.19
98.750	0.00	0.15	0.139	O	|	|	|	|	0.29	103.833	0.00	0.09	0.090	O	|	|	|	|	0.19
98.833	0.00	0.15	0.138	O	|	|	|	|	0.29	103.917	0.00	0.09	0.089	O	|	|	|	|	0.19
98.917	0.00	0.14	0.137	O	|	|	|	|	0.29	104.000	0.00	0.09	0.088	O	|	|	|	|	0.19
99.000	0.00	0.14	0.136	O	|	|	|	|	0.29	104.083	0.00	0.09	0.088	O	|	|	|	|	0.18
99.083	0.00	0.14	0.135	O	|	|	|	|	0.29	104.167	0.00	0.09	0.087	O	|	|	|	|	0.18
99.167	0.00	0.14	0.134	O	|	|	|	|	0.28	104.250	0.00	0.09	0.086	O	|	|	|	|	0.18
99.250	0.00	0.14	0.133	O	|	|	|	|	0.28	104.333	0.00	0.09	0.086	O	|	|	|	|	0.18
99.333	0.00	0.14	0.133	O	|	|	|	|	0.28	104.417	0.00	0.09	0.085	O	|	|	|	|	0.18
99.417	0.00	0.14	0.132	O	|	|	|	|	0.28	104.500	0.00	0.09	0.085	O	|	|	|	|	0.18
99.500	0.00	0.14	0.131	O	|	|	|	|	0.27	104.583	0.00	0.09	0.084	O	|	|	|	|	0.18
99.583	0.00	0.14	0.130	O	|	|	|	|	0.27	104.667	0.00	0.09	0.083	O	|	|	|	|	0.18
99.667	0.00	0.14	0.129	O	|	|	|	|	0.27	104.750	0.00	0.09	0.083	O	|	|	|	|	0.17
99.750	0.00	0.13	0.128	O	|	|	|	|	0.27	104.833	0.00	0.09	0.082	O	|	|	|	|	0.17

104.917	0.00	0.09	0.082	O	|	|	|	|	0.17	110.000	0.00	0.06	0.052	O	|	|	|	|	0.11
105.000	0.00	0.09	0.081	O	|	|	|	|	0.17	110.083	0.00	0.05	0.052	O	|	|	|	|	0.11
105.083	0.00	0.08	0.080	O	|	|	|	|	0.17	110.167	0.00	0.05	0.052	O	|	|	|	|	0.11
105.167	0.00	0.08	0.080	O	|	|	|	|	0.17	110.250	0.00	0.05	0.051	O	|	|	|	|	0.11
105.250	0.00	0.08	0.079	O	|	|	|	|	0.17	110.333	0.00	0.05	0.051	O	|	|	|	|	0.11
105.333	0.00	0.08	0.079	O	|	|	|	|	0.17	110.417	0.00	0.05	0.051	O	|	|	|	|	0.11
105.417	0.00	0.08	0.078	O	|	|	|	|	0.16	110.500	0.00	0.05	0.050	O	|	|	|	|	0.11
105.500	0.00	0.08	0.077	O	|	|	|	|	0.16	110.583	0.00	0.05	0.050	O	|	|	|	|	0.10
105.583	0.00	0.08	0.077	O	|	|	|	|	0.16	110.667	0.00	0.05	0.049	O	|	|	|	|	0.10
105.667	0.00	0.08	0.076	O	|	|	|	|	0.16	110.750	0.00	0.05	0.049	O	|	|	|	|	0.10
105.750	0.00	0.08	0.076	O	|	|	|	|	0.16	110.833	0.00	0.05	0.049	O	|	|	|	|	0.10
105.833	0.00	0.08	0.075	O	|	|	|	|	0.16	110.917	0.00	0.05	0.048	O	|	|	|	|	0.10
105.917	0.00	0.08	0.075	O	|	|	|	|	0.16	111.000	0.00	0.05	0.048	O	|	|	|	|	0.10
106.000	0.00	0.08	0.074	O	|	|	|	|	0.16	111.083	0.00	0.05	0.048	O	|	|	|	|	0.10
106.083	0.00	0.08	0.074	O	|	|	|	|	0.16	111.167	0.00	0.05	0.047	O	|	|	|	|	0.10
106.167	0.00	0.08	0.073	O	|	|	|	|	0.15	111.250	0.00	0.05	0.047	O	|	|	|	|	0.10
106.250	0.00	0.08	0.073	O	|	|	|	|	0.15	111.333	0.00	0.05	0.047	O	|	|	|	|	0.10
106.333	0.00	0.08	0.072	O	|	|	|	|	0.15	111.417	0.00	0.05	0.046	O	|	|	|	|	0.10
106.417	0.00	0.08	0.072	O	|	|	|	|	0.15	111.500	0.00	0.05	0.046	O	|	|	|	|	0.10
106.500	0.00	0.07	0.071	O	|	|	|	|	0.15	111.583	0.00	0.05	0.046	O	|	|	|	|	0.10
106.583	0.00	0.07	0.071	O	|	|	|	|	0.15	111.667	0.00	0.05	0.045	O	|	|	|	|	0.10
106.667	0.00	0.07	0.070	O	|	|	|	|	0.15	111.750	0.00	0.05	0.045	O	|	|	|	|	0.09
106.750	0.00	0.07	0.070	O	|	|	|	|	0.15	111.833	0.00	0.05	0.045	O	|	|	|	|	0.09
106.833	0.00	0.07	0.069	O	|	|	|	|	0.15	111.917	0.00	0.05	0.044	O	|	|	|	|	0.09
106.917	0.00	0.07	0.069	O	|	|	|	|	0.14	112.000	0.00	0.05	0.044	O	|	|	|	|	0.09
107.000	0.00	0.07	0.068	O	|	|	|	|	0.14	112.083	0.00	0.05	0.044	O	|	|	|	|	0.09
107.083	0.00	0.07	0.068	O	|	|	|	|	0.14	112.167	0.00	0.05	0.043	O	|	|	|	|	0.09
107.167	0.00	0.07	0.067	O	|	|	|	|	0.14	112.250	0.00	0.05	0.043	O	|	|	|	|	0.09
107.250	0.00	0.07	0.067	O	|	|	|	|	0.14	112.333	0.00	0.05	0.043	O	|	|	|	|	0.09
107.333	0.00	0.07	0.066	O	|	|	|	|	0.14	112.417	0.00	0.04	0.042	O	|	|	|	|	0.09
107.417	0.00	0.07	0.066	O	|	|	|	|	0.14	112.500	0.00	0.04	0.042	O	|	|	|	|	0.09
107.500	0.00	0.07	0.065	O	|	|	|	|	0.14	112.583	0.00	0.04	0.042	O	|	|	|	|	0.09
107.583	0.00	0.07	0.065	O	|	|	|	|	0.14	112.667	0.00	0.04	0.042	O	|	|	|	|	0.09
107.667	0.00	0.07	0.064	O	|	|	|	|	0.14	112.750	0.00	0.04	0.041	O	|	|	|	|	0.09
107.750	0.00	0.07	0.064	O	|	|	|	|	0.13	112.833	0.00	0.04	0.041	O	|	|	|	|	0.09
107.833	0.00	0.07	0.063	O	|	|	|	|	0.13	112.917	0.00	0.04	0.041	O	|	|	|	|	0.09
107.917	0.00	0.07	0.063	O	|	|	|	|	0.13	113.000	0.00	0.04	0.040	O	|	|	|	|	0.08
108.000	0.00	0.07	0.062	O	|	|	|	|	0.13	113.083	0.00	0.04	0.040	O	|	|	|	|	0.08
108.083	0.00	0.07	0.062	O	|	|	|	|	0.13	113.167	0.00	0.04	0.040	O	|	|	|	|	0.08
108.167	0.00	0.06	0.061	O	|	|	|	|	0.13	113.250	0.00	0.04	0.039	O	|	|	|	|	0.08
108.250	0.00	0.06	0.061	O	|	|	|	|	0.13	113.333	0.00	0.04	0.039	O	|	|	|	|	0.08
108.333	0.00	0.06	0.061	O	|	|	|	|	0.13	113.417	0.00	0.04	0.039	O	|	|	|	|	0.08
108.417	0.00	0.06	0.060	O	|	|	|	|	0.13	113.500	0.00	0.04	0.039	O	|	|	|	|	0.08
108.500	0.00	0.06	0.060	O	|	|	|	|	0.13	113.583	0.00	0.04	0.038	O	|	|	|	|	0.08
108.583	0.00	0.06	0.059	O	|	|	|	|	0.12	113.667	0.00	0.04	0.038	O	|	|	|	|	0.08
108.667	0.00	0.06	0.059	O	|	|	|	|	0.12	113.750	0.00	0.04	0.038	O	|	|	|	|	0.08
108.750	0.00	0.06	0.058	O	|	|	|	|	0.12	113.833	0.00	0.04	0.038	O	|	|	|	|	0.08
108.833	0.00	0.06	0.058	O	|	|	|	|	0.12	113.917	0.00	0.04	0.037	O	|	|	|	|	0.08
108.917	0.00	0.06	0.058	O	|	|	|	|	0.12	114.000	0.00	0.04	0.037	O	|	|	|	|	0.08
109.000	0.00	0.06	0.057	O	|	|	|	|	0.12	114.083	0.00	0.04	0.037	O	|	|	|	|	0.08
109.083	0.00	0.06	0.057	O	|	|	|	|	0.12	114.167	0.00	0.04	0.036	O	|	|	|	|	0.08
109.167	0.00	0.06	0.056	O	|	|	|	|	0.12	114.250	0.00	0.04	0.036	O	|	|	|	|	0.08
109.250	0.00	0.06	0.056	O	|	|	|	|	0.12	114.333	0.00	0.04	0.036	O	|	|	|	|	0.08
109.333	0.00	0.06	0.056	O	|	|	|	|	0.12	114.417	0.00	0.04	0.036	O	|	|	|	|	0.08
109.417	0.00	0.06	0.055	O	|	|	|	|	0.12	114.500	0.00	0.04	0.035	O	|	|	|	|	0.07
109.500	0.00	0.06	0.055	O	|	|	|	|	0.12	114.583	0.00	0.04	0.035	O	|	|	|	|	0.07
109.583	0.00	0.06	0.054	O	|	|	|	|	0.11	114.667	0.00	0.04	0.035	O	|	|	|	|	0.07
109.667	0.00	0.06	0.054	O	|	|	|	|	0.11	114.750	0.00	0.04	0.035	O	|	|	|	|	0.07
109.750	0.00	0.06	0.054	O	|	|	|	|	0.11	114.833	0.00	0.04	0.034	O	|	|	|	|	0.07
109.833	0.00	0.06	0.053	O	|	|	|	|	0.11	114.917	0.00	0.04	0.034	O	|	|	|	|	0.07
109.917	0.00	0.06	0.053	O	|	|	|	|	0.11	115.000	0.00	0.04	0.034	O	|	|	|	|	0.07

115.083	0.00	0.04	0.034	O					0.07	120.167	0.00	0.02	0.022	O					0.05
115.167	0.00	0.04	0.033	O					0.07	120.250	0.00	0.02	0.021	O					0.05
115.250	0.00	0.03	0.033	O					0.07	120.333	0.00	0.02	0.021	O					0.04
115.333	0.00	0.03	0.033	O					0.07	120.417	0.00	0.02	0.021	O					0.04
115.417	0.00	0.03	0.033	O					0.07	120.500	0.00	0.02	0.021	O					0.04
115.500	0.00	0.03	0.032	O					0.07	120.583	0.00	0.02	0.021	O					0.04
115.583	0.00	0.03	0.032	O					0.07	120.667	0.00	0.02	0.021	O					0.04
115.667	0.00	0.03	0.032	O					0.07	120.750	0.00	0.02	0.021	O					0.04
115.750	0.00	0.03	0.032	O					0.07	120.833	0.00	0.02	0.020	O					0.04
115.833	0.00	0.03	0.032	O					0.07	120.917	0.00	0.02	0.020	O					0.04
115.917	0.00	0.03	0.031	O					0.07	121.000	0.00	0.02	0.020	O					0.04
116.000	0.00	0.03	0.031	O					0.07	121.083	0.00	0.02	0.020	O					0.04
116.083	0.00	0.03	0.031	O					0.06	121.167	0.00	0.02	0.020	O					0.04
116.167	0.00	0.03	0.031	O					0.06	121.250	0.00	0.02	0.020	O					0.04
116.250	0.00	0.03	0.030	O					0.06	121.333	0.00	0.02	0.020	O					0.04
116.333	0.00	0.03	0.030	O					0.06	121.417	0.00	0.02	0.019	O					0.04
116.417	0.00	0.03	0.030	O					0.06	121.500	0.00	0.02	0.019	O					0.04
116.500	0.00	0.03	0.030	O					0.06	121.583	0.00	0.02	0.019	O					0.04
116.583	0.00	0.03	0.030	O					0.06	121.667	0.00	0.02	0.019	O					0.04
116.667	0.00	0.03	0.029	O					0.06	121.750	0.00	0.02	0.019	O					0.04
116.750	0.00	0.03	0.029	O					0.06	121.833	0.00	0.02	0.019	O					0.04
116.833	0.00	0.03	0.029	O					0.06	121.917	0.00	0.02	0.019	O					0.04
116.917	0.00	0.03	0.029	O					0.06	122.000	0.00	0.02	0.018	O					0.04
117.000	0.00	0.03	0.028	O					0.06	122.083	0.00	0.02	0.018	O					0.04
117.083	0.00	0.03	0.028	O					0.06	122.167	0.00	0.02	0.018	O					0.04
117.167	0.00	0.03	0.028	O					0.06	122.250	0.00	0.02	0.018	O					0.04
117.250	0.00	0.03	0.028	O					0.06	122.333	0.00	0.02	0.018	O					0.04
117.333	0.00	0.03	0.028	O					0.06	122.417	0.00	0.02	0.018	O					0.04
117.417	0.00	0.03	0.027	O					0.06	122.500	0.00	0.02	0.018	O					0.04
117.500	0.00	0.03	0.027	O					0.06	122.583	0.00	0.02	0.018	O					0.04
117.583	0.00	0.03	0.027	O					0.06	122.667	0.00	0.02	0.017	O					0.04
117.667	0.00	0.03	0.027	O					0.06	122.750	0.00	0.02	0.017	O					0.04
117.750	0.00	0.03	0.027	O					0.06	122.833	0.00	0.02	0.017	O					0.04
117.833	0.00	0.03	0.027	O					0.06	122.917	0.00	0.02	0.017	O					0.04
117.917	0.00	0.03	0.026	O					0.06	123.000	0.00	0.02	0.017	O					0.04
118.000	0.00	0.03	0.026	O					0.05	123.083	0.00	0.02	0.017	O					0.04
118.083	0.00	0.03	0.026	O					0.05	123.167	0.00	0.02	0.017	O					0.04
118.167	0.00	0.03	0.026	O					0.05	123.250	0.00	0.02	0.017	O					0.03
118.250	0.00	0.03	0.026	O					0.05	123.333	0.00	0.02	0.016	O					0.03
118.333	0.00	0.03	0.025	O					0.05	123.417	0.00	0.02	0.016	O					0.03
118.417	0.00	0.03	0.025	O					0.05	123.500	0.00	0.02	0.016	O					0.03
118.500	0.00	0.03	0.025	O					0.05	123.583	0.00	0.02	0.016	O					0.03
118.583	0.00	0.03	0.025	O					0.05	123.667	0.00	0.02	0.016	O					0.03
118.667	0.00	0.03	0.025	O					0.05	123.750	0.00	0.02	0.016	O					0.03
118.750	0.00	0.03	0.024	O					0.05	123.833	0.00	0.02	0.016	O					0.03
118.833	0.00	0.03	0.024	O					0.05	123.917	0.00	0.02	0.016	O					0.03
118.917	0.00	0.03	0.024	O					0.05	124.000	0.00	0.02	0.016	O					0.03
119.000	0.00	0.03	0.024	O					0.05	124.083	0.00	0.02	0.015	O					0.03
119.083	0.00	0.03	0.024	O					0.05	124.167	0.00	0.02	0.015	O					0.03
119.167	0.00	0.02	0.024	O					0.05	124.250	0.00	0.02	0.015	O					0.03
119.250	0.00	0.02	0.023	O					0.05	124.333	0.00	0.02	0.015	O					0.03
119.333	0.00	0.02	0.023	O					0.05	124.417	0.00	0.02	0.015	O					0.03
119.417	0.00	0.02	0.023	O					0.05	124.500	0.00	0.02	0.015	O					0.03
119.500	0.00	0.02	0.023	O					0.05	124.583	0.00	0.02	0.015	O					0.03
119.583	0.00	0.02	0.023	O					0.05	124.667	0.00	0.02	0.015	O					0.03
119.667	0.00	0.02	0.023	O					0.05	124.750	0.00	0.02	0.015	O					0.03
119.750	0.00	0.02	0.022	O					0.05	124.833	0.00	0.02	0.014	O					0.03
119.833	0.00	0.02	0.022	O					0.05	124.917	0.00	0.02	0.014	O					0.03
119.917	0.00	0.02	0.022	O					0.05	125.000	0.00	0.01	0.014	O					0.03
120.000	0.00	0.02	0.022	O					0.05	125.083	0.00	0.01	0.014	O					0.03
120.083	0.00	0.02	0.022	O					0.05	125.167	0.00	0.01	0.014	O					0.03

125.250	0.00	0.01	0.014	O					0.03	130.333	0.00	0.01	0.009	O					0.02
125.333	0.00	0.01	0.014	O					0.03	130.417	0.00	0.01	0.009	O					0.02
125.417	0.00	0.01	0.014	O					0.03	130.500	0.00	0.01	0.009	O					0.02
125.500	0.00	0.01	0.014	O					0.03	130.583	0.00	0.01	0.009	O					0.02
125.583	0.00	0.01	0.014	O					0.03	130.667	0.00	0.01	0.009	O					0.02
125.667	0.00	0.01	0.013	O					0.03	130.750	0.00	0.01	0.009	O					0.02
125.750	0.00	0.01	0.013	O					0.03	130.833	0.00	0.01	0.009	O					0.02
125.833	0.00	0.01	0.013	O					0.03	130.917	0.00	0.01	0.008	O					0.02
125.917	0.00	0.01	0.013	O					0.03	131.000	0.00	0.01	0.008	O					0.02
126.000	0.00	0.01	0.013	O					0.03	131.083	0.00	0.01	0.008	O					0.02
126.083	0.00	0.01	0.013	O					0.03	131.167	0.00	0.01	0.008	O					0.02
126.167	0.00	0.01	0.013	O					0.03	131.250	0.00	0.01	0.008	O					0.02
126.250	0.00	0.01	0.013	O					0.03	131.333	0.00	0.01	0.008	O					0.02
126.333	0.00	0.01	0.013	O					0.03	131.417	0.00	0.01	0.008	O					0.02
126.417	0.00	0.01	0.013	O					0.03	131.500	0.00	0.01	0.008	O					0.02
126.500	0.00	0.01	0.012	O					0.03	131.583	0.00	0.01	0.008	O					0.02
126.583	0.00	0.01	0.012	O					0.03	131.667	0.00	0.01	0.008	O					0.02
126.667	0.00	0.01	0.012	O					0.03	131.750	0.00	0.01	0.008	O					0.02
126.750	0.00	0.01	0.012	O					0.03	131.833	0.00	0.01	0.008	O					0.02
126.833	0.00	0.01	0.012	O					0.03	131.917	0.00	0.01	0.008	O					0.02
126.917	0.00	0.01	0.012	O					0.03	132.000	0.00	0.01	0.008	O					0.02
127.000	0.00	0.01	0.012	O					0.03	132.083	0.00	0.01	0.008	O					0.02
127.083	0.00	0.01	0.012	O					0.02	132.167	0.00	0.01	0.008	O					0.02
127.167	0.00	0.01	0.012	O					0.02	132.250	0.00	0.01	0.008	O					0.02
127.250	0.00	0.01	0.012	O					0.02	132.333	0.00	0.01	0.008	O					0.02
127.333	0.00	0.01	0.012	O					0.02	132.417	0.00	0.01	0.007	O					0.02
127.417	0.00	0.01	0.012	O					0.02	132.500	0.00	0.01	0.007	O					0.02
127.500	0.00	0.01	0.011	O					0.02	132.583	0.00	0.01	0.007	O					0.02
127.583	0.00	0.01	0.011	O					0.02	132.667	0.00	0.01	0.007	O					0.02
127.667	0.00	0.01	0.011	O					0.02	132.750	0.00	0.01	0.007	O					0.02
127.750	0.00	0.01	0.011	O					0.02	132.833	0.00	0.01	0.007	O					0.02
127.833	0.00	0.01	0.011	O					0.02	132.917	0.00	0.01	0.007	O					0.02
127.917	0.00	0.01	0.011	O					0.02	133.000	0.00	0.01	0.007	O					0.01
128.000	0.00	0.01	0.011	O					0.02	133.083	0.00	0.01	0.007	O					0.01
128.083	0.00	0.01	0.011	O					0.02	133.167	0.00	0.01	0.007	O					0.01
128.167	0.00	0.01	0.011	O					0.02	133.250	0.00	0.01	0.007	O					0.01
128.250	0.00	0.01	0.011	O					0.02	133.333	0.00	0.01	0.007	O					0.01
128.333	0.00	0.01	0.011	O					0.02	133.417	0.00	0.01	0.007	O					0.01
128.417	0.00	0.01	0.011	O					0.02	133.500	0.00	0.01	0.007	O					0.01
128.500	0.00	0.01	0.010	O					0.02	133.583	0.00	0.01	0.007	O					0.01
128.583	0.00	0.01	0.010	O					0.02	133.667	0.00	0.01	0.007	O					0.01
128.667	0.00	0.01	0.010	O					0.02	133.750	0.00	0.01	0.007	O					0.01
128.750	0.00	0.01	0.010	O					0.02	133.833	0.00	0.01	0.007	O					0.01
128.833	0.00	0.01	0.010	O					0.02	133.917	0.00	0.01	0.007	O					0.01
128.917	0.00	0.01	0.010	O					0.02	134.000	0.00	0.01	0.006	O					0.01
129.000	0.00	0.01	0.010	O					0.02	134.083	0.00	0.01	0.006	O					0.01
129.083	0.00	0.01	0.010	O					0.02	134.167	0.00	0.01	0.006	O					0.01
129.167	0.00	0.01	0.010	O					0.02	134.250	0.00	0.01	0.006	O					0.01
129.250	0.00	0.01	0.010	O					0.02	134.333	0.00	0.01	0.006	O					0.01
129.333	0.00	0.01	0.010	O					0.02	134.417	0.00	0.01	0.006	O					0.01
129.417	0.00	0.01	0.010	O					0.02	134.500	0.00	0.01	0.006	O					0.01
129.500	0.00	0.01	0.010	O					0.02	134.583	0.00	0.01	0.006	O					0.01
129.583	0.00	0.01	0.010	O					0.02	134.667	0.00	0.01	0.006	O					0.01
129.667	0.00	0.01	0.009	O					0.02	134.750	0.00	0.01	0.006	O					0.01
129.750	0.00	0.01	0.009	O					0.02	134.833	0.00	0.01	0.006	O					0.01
129.833	0.00	0.01	0.009	O					0.02	134.917	0.00	0.01	0.006	O					0.01
129.917	0.00	0.01	0.009	O					0.02	135.000	0.00	0.01	0.006	O					0.01
130.000	0.00	0.01	0.009	O					0.02	135.083	0.00	0.01	0.006	O					0.01
130.083	0.00	0.01	0.009	O					0.02	135.167	0.00	0.01	0.006	O					0.01
130.167	0.00	0.01	0.009	O					0.02	135.250	0.00	0.01	0.006	O					0.01
130.250	0.00	0.01	0.009	O					0.02	135.333	0.00	0.01	0.006	O					0.01

135.417	0.00	0.01	0.006	O					0.01	140.500	0.00	0.00	0.004	O					0.01
135.500	0.00	0.01	0.006	O					0.01	140.583	0.00	0.00	0.004	O					0.01
135.583	0.00	0.01	0.006	O					0.01	140.667	0.00	0.00	0.004	O					0.01
135.667	0.00	0.01	0.006	O					0.01	140.750	0.00	0.00	0.004	O					0.01
135.750	0.00	0.01	0.006	O					0.01	140.833	0.00	0.00	0.004	O					0.01
135.833	0.00	0.01	0.006	O					0.01	140.917	0.00	0.00	0.004	O					0.01
135.917	0.00	0.01	0.005	O					0.01	141.000	0.00	0.00	0.004	O					0.01
136.000	0.00	0.01	0.005	O					0.01	141.083	0.00	0.00	0.004	O					0.01
136.083	0.00	0.01	0.005	O					0.01	141.167	0.00	0.00	0.003	O					0.01
136.167	0.00	0.01	0.005	O					0.01	141.250	0.00	0.00	0.003	O					0.01
136.250	0.00	0.01	0.005	O					0.01	141.333	0.00	0.00	0.003	O					0.01
136.333	0.00	0.01	0.005	O					0.01	141.417	0.00	0.00	0.003	O					0.01
136.417	0.00	0.01	0.005	O					0.01	141.500	0.00	0.00	0.003	O					0.01
136.500	0.00	0.01	0.005	O					0.01	141.583	0.00	0.00	0.003	O					0.01
136.583	0.00	0.01	0.005	O					0.01	141.667	0.00	0.00	0.003	O					0.01
136.667	0.00	0.01	0.005	O					0.01	141.750	0.00	0.00	0.003	O					0.01
136.750	0.00	0.01	0.005	O					0.01	141.833	0.00	0.00	0.003	O					0.01
136.833	0.00	0.01	0.005	O					0.01	141.917	0.00	0.00	0.003	O					0.01
136.917	0.00	0.01	0.005	O					0.01	142.000	0.00	0.00	0.003	O					0.01
137.000	0.00	0.01	0.005	O					0.01	142.083	0.00	0.00	0.003	O					0.01
137.083	0.00	0.01	0.005	O					0.01	142.167	0.00	0.00	0.003	O					0.01
137.167	0.00	0.01	0.005	O					0.01	142.250	0.00	0.00	0.003	O					0.01
137.250	0.00	0.01	0.005	O					0.01	142.333	0.00	0.00	0.003	O					0.01
137.333	0.00	0.01	0.005	O					0.01	142.417	0.00	0.00	0.003	O					0.01
137.417	0.00	0.01	0.005	O					0.01	142.500	0.00	0.00	0.003	O					0.01
137.500	0.00	0.01	0.005	O					0.01	142.583	0.00	0.00	0.003	O					0.01
137.583	0.00	0.01	0.005	O					0.01	142.667	0.00	0.00	0.003	O					0.01
137.667	0.00	0.00	0.005	O					0.01	142.750	0.00	0.00	0.003	O					0.01
137.750	0.00	0.00	0.005	O					0.01	142.833	0.00	0.00	0.003	O					0.01
137.833	0.00	0.00	0.005	O					0.01	142.917	0.00	0.00	0.003	O					0.01
137.917	0.00	0.00	0.005	O					0.01	143.000	0.00	0.00	0.003	O					0.01
138.000	0.00	0.00	0.005	O					0.01	143.083	0.00	0.00	0.003	O					0.01
138.083	0.00	0.00	0.005	O					0.01	143.167	0.00	0.00	0.003	O					0.01
138.167	0.00	0.00	0.005	O					0.01	143.250	0.00	0.00	0.003	O					0.01
138.250	0.00	0.00	0.004	O					0.01	143.333	0.00	0.00	0.003	O					0.01
138.333	0.00	0.00	0.004	O					0.01	143.417	0.00	0.00	0.003	O					0.01
138.417	0.00	0.00	0.004	O					0.01	143.500	0.00	0.00	0.003	O					0.01
138.500	0.00	0.00	0.004	O					0.01	143.583	0.00	0.00	0.003	O					0.01
138.583	0.00	0.00	0.004	O					0.01	143.667	0.00	0.00	0.003	O					0.01
138.667	0.00	0.00	0.004	O					0.01	143.750	0.00	0.00	0.003	O					0.01
138.750	0.00	0.00	0.004	O					0.01	143.833	0.00	0.00	0.003	O					0.01
138.833	0.00	0.00	0.004	O					0.01	143.917	0.00	0.00	0.003	O					0.01
138.917	0.00	0.00	0.004	O					0.01	144.000	0.00	0.00	0.003	O					0.01
139.000	0.00	0.00	0.004	O					0.01	144.083	0.00	0.00	0.003	O					0.01
139.083	0.00	0.00	0.004	O					0.01	144.167	0.00	0.00	0.003	O					0.01
139.167	0.00	0.00	0.004	O					0.01	144.250	0.00	0.00	0.003	O					0.01
139.250	0.00	0.00	0.004	O					0.01	144.333	0.00	0.00	0.003	O					0.01
139.333	0.00	0.00	0.004	O					0.01	144.417	0.00	0.00	0.003	O					0.01
139.417	0.00	0.00	0.004	O					0.01	144.500	0.00	0.00	0.003	O					0.01
139.500	0.00	0.00	0.004	O					0.01	144.583	0.00	0.00	0.003	O					0.01
139.583	0.00	0.00	0.004	O					0.01	144.667	0.00	0.00	0.003	O					0.01
139.667	0.00	0.00	0.004	O					0.01	144.750	0.00	0.00	0.003	O					0.01
139.750	0.00	0.00	0.004	O					0.01	144.833	0.00	0.00	0.003	O					0.01
139.833	0.00	0.00	0.004	O					0.01	144.917	0.00	0.00	0.003	O					0.01
139.917	0.00	0.00	0.004	O					0.01	145.000	0.00	0.00	0.002	O					0.01
140.000	0.00	0.00	0.004	O					0.01	145.083	0.00	0.00	0.002	O					0.01
140.083	0.00	0.00	0.004	O					0.01	145.167	0.00	0.00	0.002	O					0.01
140.167	0.00	0.00	0.004	O					0.01	145.250	0.00	0.00	0.002	O					0.01
140.250	0.00	0.00	0.004	O					0.01	145.333	0.00	0.00	0.002	O					0.01
140.333	0.00	0.00	0.004	O					0.01	145.417	0.00	0.00	0.002	O					0.01
140.417	0.00	0.00	0.004	O					0.01	145.500	0.00	0.00	0.002	O					0.01

145.583	0.00	0.00	0.002	O	|	|	|	|	0.00	150.667	0.00	0.00	0.002	O	|	|	|	|	0.00
145.667	0.00	0.00	0.002	O	|	|	|	|	0.00	150.750	0.00	0.00	0.002	O	|	|	|	|	0.00
145.750	0.00	0.00	0.002	O	|	|	|	|	0.00	150.833	0.00	0.00	0.002	O	|	|	|	|	0.00
145.833	0.00	0.00	0.002	O	|	|	|	|	0.00	150.917	0.00	0.00	0.001	O	|	|	|	|	0.00
145.917	0.00	0.00	0.002	O	|	|	|	|	0.00	151.000	0.00	0.00	0.001	O	|	|	|	|	0.00
146.000	0.00	0.00	0.002	O	|	|	|	|	0.00	151.083	0.00	0.00	0.001	O	|	|	|	|	0.00
146.083	0.00	0.00	0.002	O	|	|	|	|	0.00	151.167	0.00	0.00	0.001	O	|	|	|	|	0.00
146.167	0.00	0.00	0.002	O	|	|	|	|	0.00	151.250	0.00	0.00	0.001	O	|	|	|	|	0.00
146.250	0.00	0.00	0.002	O	|	|	|	|	0.00	151.333	0.00	0.00	0.001	O	|	|	|	|	0.00
146.333	0.00	0.00	0.002	O	|	|	|	|	0.00	151.417	0.00	0.00	0.001	O	|	|	|	|	0.00
146.417	0.00	0.00	0.002	O	|	|	|	|	0.00	151.500	0.00	0.00	0.001	O	|	|	|	|	0.00
146.500	0.00	0.00	0.002	O	|	|	|	|	0.00	151.583	0.00	0.00	0.001	O	|	|	|	|	0.00
146.583	0.00	0.00	0.002	O	|	|	|	|	0.00	151.667	0.00	0.00	0.001	O	|	|	|	|	0.00
146.667	0.00	0.00	0.002	O	|	|	|	|	0.00	151.750	0.00	0.00	0.001	O	|	|	|	|	0.00
146.750	0.00	0.00	0.002	O	|	|	|	|	0.00	151.833	0.00	0.00	0.001	O	|	|	|	|	0.00
146.833	0.00	0.00	0.002	O	|	|	|	|	0.00	151.917	0.00	0.00	0.001	O	|	|	|	|	0.00
146.917	0.00	0.00	0.002	O	|	|	|	|	0.00	152.000	0.00	0.00	0.001	O	|	|	|	|	0.00
147.000	0.00	0.00	0.002	O	|	|	|	|	0.00	152.083	0.00	0.00	0.001	O	|	|	|	|	0.00
147.083	0.00	0.00	0.002	O	|	|	|	|	0.00	152.167	0.00	0.00	0.001	O	|	|	|	|	0.00
147.167	0.00	0.00	0.002	O	|	|	|	|	0.00	152.250	0.00	0.00	0.001	O	|	|	|	|	0.00
147.250	0.00	0.00	0.002	O	|	|	|	|	0.00	152.333	0.00	0.00	0.001	O	|	|	|	|	0.00
147.333	0.00	0.00	0.002	O	|	|	|	|	0.00	152.417	0.00	0.00	0.001	O	|	|	|	|	0.00
147.417	0.00	0.00	0.002	O	|	|	|	|	0.00	152.500	0.00	0.00	0.001	O	|	|	|	|	0.00
147.500	0.00	0.00	0.002	O	|	|	|	|	0.00	152.583	0.00	0.00	0.001	O	|	|	|	|	0.00
147.583	0.00	0.00	0.002	O	|	|	|	|	0.00	152.667	0.00	0.00	0.001	O	|	|	|	|	0.00
147.667	0.00	0.00	0.002	O	|	|	|	|	0.00	152.750	0.00	0.00	0.001	O	|	|	|	|	0.00
147.750	0.00	0.00	0.002	O	|	|	|	|	0.00	152.833	0.00	0.00	0.001	O	|	|	|	|	0.00
147.833	0.00	0.00	0.002	O	|	|	|	|	0.00	152.917	0.00	0.00	0.001	O	|	|	|	|	0.00
147.917	0.00	0.00	0.002	O	|	|	|	|	0.00	153.000	0.00	0.00	0.001	O	|	|	|	|	0.00
148.000	0.00	0.00	0.002	O	|	|	|	|	0.00	153.083	0.00	0.00	0.001	O	|	|	|	|	0.00
148.083	0.00	0.00	0.002	O	|	|	|	|	0.00	153.167	0.00	0.00	0.001	O	|	|	|	|	0.00
148.167	0.00	0.00	0.002	O	|	|	|	|	0.00	153.250	0.00	0.00	0.001	O	|	|	|	|	0.00
148.250	0.00	0.00	0.002	O	|	|	|	|	0.00	153.333	0.00	0.00	0.001	O	|	|	|	|	0.00
148.333	0.00	0.00	0.002	O	|	|	|	|	0.00	153.417	0.00	0.00	0.001	O	|	|	|	|	0.00
148.417	0.00	0.00	0.002	O	|	|	|	|	0.00	153.500	0.00	0.00	0.001	O	|	|	|	|	0.00
148.500	0.00	0.00	0.002	O	|	|	|	|	0.00	153.583	0.00	0.00	0.001	O	|	|	|	|	0.00
148.583	0.00	0.00	0.002	O	|	|	|	|	0.00	153.667	0.00	0.00	0.001	O	|	|	|	|	0.00
148.667	0.00	0.00	0.002	O	|	|	|	|	0.00	153.750	0.00	0.00	0.001	O	|	|	|	|	0.00
148.750	0.00	0.00	0.002	O	|	|	|	|	0.00	153.833	0.00	0.00	0.001	O	|	|	|	|	0.00
148.833	0.00	0.00	0.002	O	|	|	|	|	0.00	153.917	0.00	0.00	0.001	O	|	|	|	|	0.00
148.917	0.00	0.00	0.002	O	|	|	|	|	0.00	154.000	0.00	0.00	0.001	O	|	|	|	|	0.00
149.000	0.00	0.00	0.002	O	|	|	|	|	0.00	154.083	0.00	0.00	0.001	O	|	|	|	|	0.00
149.083	0.00	0.00	0.002	O	|	|	|	|	0.00	154.167	0.00	0.00	0.001	O	|	|	|	|	0.00
149.167	0.00	0.00	0.002	O	|	|	|	|	0.00	154.250	0.00	0.00	0.001	O	|	|	|	|	0.00
149.250	0.00	0.00	0.002	O	|	|	|	|	0.00	154.333	0.00	0.00	0.001	O	|	|	|	|	0.00
149.333	0.00	0.00	0.002	O	|	|	|	|	0.00	154.417	0.00	0.00	0.001	O	|	|	|	|	0.00
149.417	0.00	0.00	0.002	O	|	|	|	|	0.00	154.500	0.00	0.00	0.001	O	|	|	|	|	0.00
149.500	0.00	0.00	0.002	O	|	|	|	|	0.00	154.583	0.00	0.00	0.001	O	|	|	|	|	0.00
149.583	0.00	0.00	0.002	O	|	|	|	|	0.00	154.667	0.00	0.00	0.001	O	|	|	|	|	0.00
149.667	0.00	0.00	0.002	O	|	|	|	|	0.00	154.750	0.00	0.00	0.001	O	|	|	|	|	0.00
149.750	0.00	0.00	0.002	O	|	|	|	|	0.00	154.833	0.00	0.00	0.001	O	|	|	|	|	0.00
149.833	0.00	0.00	0.002	O	|	|	|	|	0.00	154.917	0.00	0.00	0.001	O	|	|	|	|	0.00
149.917	0.00	0.00	0.002	O	|	|	|	|	0.00	155.000	0.00	0.00	0.001	O	|	|	|	|	0.00
150.000	0.00	0.00	0.002	O	|	|	|	|	0.00	155.083	0.00	0.00	0.001	O	|	|	|	|	0.00
150.083	0.00	0.00	0.002	O	|	|	|	|	0.00	155.167	0.00	0.00	0.001	O	|	|	|	|	0.00
150.167	0.00	0.00	0.002	O	|	|	|	|	0.00	155.250	0.00	0.00	0.001	O	|	|	|	|	0.00
150.250	0.00	0.00	0.002	O	|	|	|	|	0.00	155.333	0.00	0.00	0.001	O	|	|	|	|	0.00
150.333	0.00	0.00	0.002	O	|	|	|	|	0.00	155.417	0.00	0.00	0.001	O	|	|	|	|	0.00
150.417	0.00	0.00	0.002	O	|	|	|	|	0.00	155.500	0.00	0.00	0.001	O	|	|	|	|	0.00
150.500	0.00	0.00	0.002	O	|	|	|	|	0.00	155.583	0.00	0.00	0.001	O	|	|	|	|	0.00
150.583	0.00	0.00	0.002	O	|	|	|	|	0.00	155.667	0.00	0.00	0.001	O	|	|	|	|	0.00

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155.750    0.00    0.00      0.001  O       |       |       |       |     0.00
155.833    0.00    0.00      0.001  O       |       |       |       |     0.00
155.917    0.00    0.00      0.001  O       |       |       |       |     0.00
156.000    0.00    0.00      0.001  O       |       |       |       |     0.00
156.083    0.00    0.00      0.001  O       |       |       |       |     0.00
156.167    0.00    0.00      0.001  O       |       |       |       |     0.00

*****************************HYDROGRAPH DATA*****************************
                Number of intervals =  1874
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       18.639 (CFS)
                Total volume =      11.272 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)       0.000     0.000     0.000     0.000     0.000
*************************************************************************

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+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.200 to Point/Station        3.300
**** STREAM ROUTING SCS CONVEX METHOD ****
_________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =   1749.00 (Ft.)
Elevation difference =   79.00 (Ft.)
Slope of channel =  0.045169 (Vert/Horiz)
Channel type - Improved Channel


Channel length =  1749.00(Ft.)     Elevation difference =  79.00(Ft.)
Channel evaluation using mean flow rate of hydrograph
Channel base width  =  125.000(Ft.)
Slope or 'Z' of left channel bank =   2.000
Slope or 'Z' of right channel bank =   2.000
Manning's 'N'    = 0.030
Maximum depth of channel  =   15.000(Ft.)
Flow(q) thru subarea =      5.982(CFS)
Depth of flow =     0.039(Ft.)
Average velocity =     1.216(Ft/s)
Total flow rate =     5.982(CFS)
Channel flow top width =  125.157(Ft.)
Depth of flow in channel =   0.04(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity =    1.22(Ft/s)
Travel time  =    0.00 min.
Individual channel flow =    5.982(CFS)
Total capacity of improved channels =      5.982(CFS)
Critical Depth in Channel =    0.04(Ft.)


Channel evaluation using maximum flow rate of hydrograph
Flow(q) thru subarea =     18.639(CFS)
Depth of flow =     0.078(Ft.)
Average velocity =     1.916(Ft/s)
Total flow rate =    18.639(CFS)
Channel flow top width =  125.311(Ft.)
Depth of flow in channel =   0.08(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity =    1.92(Ft/s)
Travel time  =    0.00 min.
Individual channel flow =   18.639(CFS)
Total capacity of improved channels =     18.639(CFS)
Critical Depth in Channel =    0.09(Ft.)


********************** SCS CONVEX CHANNEL ROUTING *********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.5298   Travel time =  15.22 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   0.7468
        dt(routing time-step) =   8.06 (min.),   c* =   0.4308

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
             R u n o f f     H y d r o g r a p h
-------------------------------------------------------------------------
           Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        4.7       9.3       14.0      18.6
-------------------------------------------------------------------------
  0+ 5       0.0023      0.01  O         |         |         |         |
  0+10       0.0171      0.07  O         |         |         |         |
  0+15       0.0576      0.17  O         |         |         |         |
  0+20       0.1239      0.28  O         |         |         |         |
  0+25       0.2091      0.40  O         |         |         |         |
  0+30       0.3088      0.51  OI        |         |         |         |
  0+35       0.4058      0.57  OI        |         |         |         |
  0+40       0.4852      0.63  |O        |         |         |         |
  0+45       0.5551      0.68  |O        |         |         |         |
  0+50       0.6207      0.75  |O        |         |         |         |
  0+55       0.6837      0.80  |O        |         |         |         |
  1+ 0       0.7437      0.86  |O        |         |         |         |
  1+ 5       0.8020      0.91  |O        |         |         |         |
  1+10       0.8575      0.96  |OI       |         |         |         |
  1+15       0.9079      1.00  |OI       |         |         |         |
  1+20       0.9567      1.05  | O       |         |         |         |
  1+25       1.0048      1.10  | O       |         |         |         |
  1+30       1.0532      1.15  | O       |         |         |         |
  1+35       1.1034      1.20  | O       |         |         |         |
  1+40       1.1526      1.24  | O       |         |         |         |
  1+45       1.1984      1.29  | O       |         |         |         |
  1+50       1.2434      1.33  | O       |         |         |         |
  1+55       1.2891      1.38  | O       |         |         |         |
  2+ 0       1.3348      1.42  | OI      |         |         |         |
  2+ 5       1.3780      1.46  | OI      |         |         |         |
  2+10       1.4184      1.50  |  O      |         |         |         |
  2+15       1.4592      1.54  |  O      |         |         |         |
  2+20       1.5037      1.60  |  O      |         |         |         |
  2+25       1.5517      1.65  |  O      |         |         |         |
  2+30       1.6018      1.70  |  O      |         |         |         |
  2+35       1.6564      1.77  |  O      |         |         |         |
  2+40       2.7982      8.45  |     O   |         I         |         |
  2+45       6.1428     14.01  |         |  O      |         I         |
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2+50	10.0202	16.99	|	|	|O |	I |		
2+55	13.2145	18.15	|	|	O |	I |		
3+ 0	15.4220	18.64	|	|	O |	I		
3+ 5	16.7888	18.52	|	|	O I|			
3+10	17.4304	17.88	|	|	OI |			
3+15	17.4862	17.04	|	|	IO |			
3+20	17.1527	16.18	|	|	I O |			
3+25	16.5976	15.35	|	|	I O |			
3+30	15.9298	14.56	|	|	I O |			
3+35	15.2144	13.80	|	|	I O |			
3+40	14.4890	13.09	|	|	I O |			
3+45	13.7745	12.41	|	|	I O |			
3+50	13.0817	11.77	|	|	I O |			
3+55	12.4160	11.16	|	|	I O |			
4+ 0	11.7799	10.58	|	|	I O |			
4+ 5	11.1741	10.03	|	|	I O |			
4+10	10.5999	9.53	|	|	I O |			
4+15	10.0578	9.04	|	|	I O |			
4+20	9.5450	8.58	|	|	I O |			
4+25	9.0591	8.15	|	|	I O |			
4+30	8.5984	7.73	|	|	I O |			
4+35	8.1615	7.34	|	|	I O |			
4+40	7.7469	6.97	|	|	I O |			
4+45	7.3535	6.61	|	|	IO |			
4+50	6.9801	6.28	|	|	IO |			
4+55	6.6257	5.96	|	|	I O |			
5+ 0	6.2893	5.66	|	|	IO |			
5+ 5	5.9699	5.37	|	|	IO |			
5+10	5.6669	5.10	|	|	I O |			
5+15	5.3791	4.84	|	|	IO |			
5+20	5.1061	4.59	|	|	IO |			
5+25	4.8468	4.36	|	|	IO |			
5+30	4.6008	4.14	|	|	IO|			
5+35	4.3672	3.93	|	|	IO|			
5+40	4.1455	3.73	|	|	O |			
5+45	3.9350	3.54	|	|	IO |			
5+50	3.7352	3.36	|	|	IO |			
5+55	3.5456	3.19	|	|	IO |			
6+ 0	3.3656	3.03	|	|	IO |			
6+ 5	3.1947	2.87	|	|	O |			
6+10	3.0325	2.73	|	|	IO |			
6+15	2.8786	2.59	|	|	IO |			
6+20	2.7324	2.46	|	|	O |			
6+25	2.5937	2.33	|	|	O |			
6+30	2.4620	2.21	|	|	IO |			
6+35	2.3370	2.10	|	|	IO |			
6+40	2.2184	2.00	|	|	O |			
6+45	2.1058	1.89	|	|	O |			
6+50	1.9989	1.80	|	|	IO |			
6+55	1.9076	1.77	|	|	IO |			
7+ 0	1.8479	1.77	|	|	O |			
7+ 5	1.8135	1.77	|	|	O |			
7+10	1.7935	1.77	|	|	O |			
7+15	1.7817	1.77	|	|	O |			
7+20	1.7746	1.76	|	|	O |			
7+25	1.7702	1.76	|	|	O |			
7+30	1.7672	1.76	|	|	O |			
7+35	1.7652	1.76	|	|	O |			
7+40	1.7636	1.76	|	|	O |			
7+45	1.7623	1.76	|	|	O |			
7+50	1.7611	1.76	|	|	O |			
7+55	1.7601	1.76	|	|	O |			
8+ 0	1.7591	1.76	|	|	O |			
8+ 5	1.7581	1.76	|	|	O |			
8+10	1.7571	1.76	|	|	O |			
8+15	1.7562	1.75	|	|	O |			
8+20	1.7553	1.75	|	|	O |			
8+25	1.7543	1.75	|	|	O |			
8+30	1.7534	1.75	|	|	O |			
8+35	1.7525	1.75	|	|	O |			
8+40	1.7515	1.75	|	|	O |			
8+45	1.7506	1.75	|	|	O |			
8+50	1.7497	1.75	|	|	O |			
8+55	1.7487	1.75	|	|	O |			
9+ 0	1.7478	1.75	|	|	O |			
9+ 5	1.7469	1.75	|	|	O |			
9+10	1.7460	1.74	|	|	O |			
9+15	1.7450	1.74	|	|	O |			
9+20	1.7441	1.74	|	|	O |			
9+25	1.7432	1.74	|	|	O |			
9+30	1.7423	1.74	|	|	O |			
9+35	1.7413	1.74	|	|	O |			
9+40	1.7404	1.74	|	|	O |			
9+45	1.7395	1.74	|	|	O |			
9+50	1.7386	1.74	|	|	O |			
9+55	1.7376	1.74	|	|	O |			
10+ 0	1.7367	1.73	|	|	O |			
10+ 5	1.7358	1.73	|	|	O |			
10+10	1.7349	1.73	|	|	O |			
10+15	1.7340	1.73	|	|	O |			
10+20	1.7330	1.73	|	|	O |			
10+25	1.7321	1.73	|	|	O |			
10+30	1.7312	1.73	|	|	O |			
10+35	1.7303	1.73	|	|	O |			
10+40	1.7294	1.73	|	|	O |			
10+45	1.7284	1.73	|	|	O |			
10+50	1.7275	1.73	|	|	O |			
10+55	1.7266	1.72	|	|	O |			
11+ 0	1.7257	1.72	|	|	O |			
11+ 5	1.7248	1.72	|	|	O |			
11+10	1.7239	1.72	|	|	O |			
11+15	1.7229	1.72	|	|	O |			
11+20	1.7220	1.72	|	|	O |			
11+25	1.7211	1.72	|	|	O |			
11+30	1.7202	1.72	|	|	O |			
11+35	1.7193	1.72	|	|	O |			
11+40	1.7184	1.72	|	|	O |			
11+45	1.7175	1.72	|	|	O |			
11+50	1.7166	1.71	|	|	O |			
11+55	1.7156	1.71	|	|	O |			
12+ 0	1.7147	1.71	|	|	O |			
12+ 5	1.7138	1.71	|	|	O |			
12+10	1.7129	1.71	|	|	O |			
12+15	1.7120	1.71	|	|	O |			
12+20	1.7111	1.71	|	|	O |			
12+25	1.7102	1.71	|	|	O |			
12+30	1.7093	1.71	|	|	O |			
12+35	1.7084	1.71	|	|	O |			
12+40	1.7075	1.71	|	|	O |			
12+45	1.7066	1.70	|	|	O |			
12+50	1.7057	1.70	|	|	O |			
12+55	1.7048	1.70	|	|	O |			

13+ 0	1.7038	1.70	O				
13+ 5	1.7029	1.70	O				
13+10	1.7020	1.70	O				
13+15	1.7011	1.70	O				
13+20	1.7002	1.70	O				
13+25	1.6993	1.70	O				
13+30	1.6984	1.70	O				
13+35	1.6975	1.70	O				
13+40	1.6966	1.69	O				
13+45	1.6957	1.69	O				
13+50	1.6948	1.69	O				
13+55	1.6939	1.69	O				
14+ 0	1.6930	1.69	O				
14+ 5	1.6921	1.69	O				
14+10	1.6912	1.69	O				
14+15	1.6903	1.69	O				
14+20	1.6892	1.69	O				
14+25	1.6882	1.69	O				
14+30	1.6872	1.69	O				
14+35	1.6861	1.68	O				
14+40	1.6850	1.68	O				
14+45	1.6840	1.68	O				
14+50	1.6829	1.68	O				
14+55	1.6818	1.68	O				
15+ 0	1.6808	1.68	O				
15+ 5	1.6797	1.68	O				
15+10	1.6786	1.68	O				
15+15	1.6776	1.68	O				
15+20	1.6765	1.67	O				
15+25	1.6755	1.67	O				
15+30	1.6744	1.67	O				
15+35	1.6733	1.67	O				
15+40	1.6723	1.67	O				
15+45	1.6712	1.67	O				
15+50	1.6701	1.67	O				
15+55	1.6691	1.67	O				
16+ 0	1.6680	1.67	O				
16+ 5	1.6670	1.66	O				
16+10	1.6659	1.66	O				
16+15	1.6649	1.66	O				
16+20	1.6638	1.66	O				
16+25	1.6627	1.66	O				
16+30	1.6617	1.66	O				
16+35	1.6606	1.66	O				
16+40	1.6596	1.66	O				
16+45	1.6585	1.66	O				
16+50	1.6575	1.66	O				
16+55	1.6564	1.65	O				
17+ 0	1.6554	1.65	O				
17+ 5	1.6543	1.65	O				
17+10	1.6533	1.65	O				
17+15	1.6522	1.65	O				
17+20	1.6512	1.65	O				
17+25	1.6501	1.65	O				
17+30	1.6491	1.65	O				
17+35	1.6480	1.65	O				
17+40	1.6470	1.64	O				
17+45	1.6460	1.64	O				
17+50	1.6449	1.64	O				
17+55	1.6439	1.64	O				
18+ 0	1.6428	1.64	O				
18+ 5	1.6418	1.64	O				
18+10	1.6407	1.64	O				
18+15	1.6397	1.64	O				
18+20	1.6387	1.64	O				
18+25	1.6376	1.64	O				
18+30	1.6366	1.63	O				
18+35	1.6355	1.63	O				
18+40	1.6345	1.63	O				
18+45	1.6335	1.63	O				
18+50	1.6324	1.63	O				
18+55	1.6314	1.63	O				
19+ 0	1.6304	1.63	O				
19+ 5	1.6293	1.63	O				
19+10	1.6283	1.63	O				
19+15	1.6273	1.63	O				
19+20	1.6262	1.62	O				
19+25	1.6252	1.62	O				
19+30	1.6242	1.62	O				
19+35	1.6231	1.62	O				
19+40	1.6221	1.62	O				
19+45	1.6211	1.62	O				
19+50	1.6201	1.62	O				
19+55	1.6190	1.62	O				
20+ 0	1.6180	1.62	O				
20+ 5	1.6170	1.61	O				
20+10	1.6159	1.61	O				
20+15	1.6149	1.61	O				
20+20	1.6139	1.61	O				
20+25	1.6129	1.61	O				
20+30	1.6119	1.61	O				
20+35	1.6108	1.61	O				
20+40	1.6098	1.61	O				
20+45	1.6088	1.61	O				
20+50	1.6078	1.61	O				
20+55	1.6067	1.60	O				
21+ 0	1.6057	1.60	O				
21+ 5	1.6047	1.60	O				
21+10	1.6037	1.60	O				
21+15	1.6027	1.60	O				
21+20	1.6016	1.60	O				
21+25	1.6006	1.60	O				
21+30	1.5995	1.60	O				
21+35	1.5983	1.60	O				
21+40	1.5972	1.59	O				
21+45	1.5960	1.59	O				
21+50	1.5948	1.59	O				
21+55	1.5937	1.59	O				
22+ 0	1.5925	1.59	O				
22+ 5	1.5913	1.59	O				
22+10	1.5901	1.59	O				
22+15	1.5890	1.59	O				
22+20	1.5878	1.59	O				
22+25	1.5866	1.58	O				
22+30	1.5855	1.58	O				
22+35	1.5843	1.58	O				
22+40	1.5831	1.58	O				
22+45	1.5819	1.58	O				
22+50	1.5808	1.58	O				
22+55	1.5796	1.58	O				
23+ 0	1.5784	1.58	O				
23+ 5	1.5773	1.58	O				

23+10	1.5761	1.57	O				
23+15	1.5750	1.57	O				
23+20	1.5738	1.57	O				
23+25	1.5726	1.57	O				
23+30	1.5715	1.57	O				
23+35	1.5703	1.57	O				
23+40	1.5691	1.57	O				
23+45	1.5680	1.57	O				
23+50	1.5668	1.56	O				
23+55	1.5657	1.56	O				
24+ 0	1.5645	1.56	O				
24+ 5	1.5634	1.56	O				
24+10	1.5622	1.56	O				
24+15	1.5611	1.56	O				
24+20	1.5599	1.56	O				
24+25	1.5588	1.56	O				
24+30	1.5576	1.56	O				
24+35	1.5565	1.55	O				
24+40	1.5553	1.55	O				
24+45	1.5542	1.55	O				
24+50	1.5530	1.55	O				
24+55	1.5519	1.55	O				
25+ 0	1.5507	1.55	O				
25+ 5	1.5496	1.55	O				
25+10	1.5484	1.55	O				
25+15	1.5473	1.55	O				
25+20	1.5461	1.54	O				
25+25	1.5450	1.54	O				
25+30	1.5439	1.54	O				
25+35	1.5427	1.54	O				
25+40	1.5416	1.54	O				
25+45	1.5404	1.54	O				
25+50	1.5393	1.54	O				
25+55	1.5382	1.54	O				
26+ 0	1.5370	1.53	O				
26+ 5	1.5359	1.53	O				
26+10	1.5348	1.53	O				
26+15	1.5336	1.53	O				
26+20	1.5325	1.53	O				
26+25	1.5314	1.53	O				
26+30	1.5302	1.53	O				
26+35	1.5291	1.53	O				
26+40	1.5280	1.53	O				
26+45	1.5269	1.52	O				
26+50	1.5257	1.52	O				
26+55	1.5246	1.52	O				
27+ 0	1.5235	1.52	O				
27+ 5	1.5224	1.52	O				
27+10	1.5212	1.52	O				
27+15	1.5201	1.52	O				
27+20	1.5190	1.52	O				
27+25	1.5179	1.52	O				
27+30	1.5167	1.51	O				
27+35	1.5156	1.51	O				
27+40	1.5145	1.51	O				
27+45	1.5134	1.51	O				
27+50	1.5123	1.51	O				
27+55	1.5112	1.51	O				
28+ 0	1.5100	1.51	O				
28+ 5	1.5089	1.51	O				
28+10	1.5078	1.51	O				
28+15	1.5067	1.50	O				
28+20	1.5056	1.50	O				
28+25	1.5045	1.50	O				
28+30	1.5034	1.50	O				
28+35	1.5022	1.50	O				
28+40	1.5011	1.50	O				
28+45	1.5000	1.50	O				
28+50	1.4989	1.50	O				
28+55	1.4978	1.50	O				
29+ 0	1.4967	1.49	O				
29+ 5	1.4956	1.49	O				
29+10	1.4945	1.49	O				
29+15	1.4934	1.49	O				
29+20	1.4923	1.49	O				
29+25	1.4912	1.49	O				
29+30	1.4901	1.49	O				
29+35	1.4890	1.49	O				
29+40	1.4879	1.49	O				
29+45	1.4868	1.48	O				
29+50	1.4857	1.48	O				
29+55	1.4846	1.48	O				
30+ 0	1.4835	1.48	O				
30+ 5	1.4824	1.48	O				
30+10	1.4813	1.48	O				
30+15	1.4802	1.48	O				
30+20	1.4791	1.48	O				
30+25	1.4780	1.48	O				
30+30	1.4770	1.47	O				
30+35	1.4759	1.47	O				
30+40	1.4748	1.47	O				
30+45	1.4737	1.47	O				
30+50	1.4726	1.47	O				
30+55	1.4715	1.47	O				
31+ 0	1.4704	1.47	O				
31+ 5	1.4693	1.47	O				
31+10	1.4683	1.47	O				
31+15	1.4672	1.47	O				
31+20	1.4661	1.46	O				
31+25	1.4650	1.46	O				
31+30	1.4639	1.46	O				
31+35	1.4628	1.46	O				
31+40	1.4618	1.46	O				
31+45	1.4607	1.46	O				
31+50	1.4596	1.46	O				
31+55	1.4585	1.46	O				
32+ 0	1.4574	1.46	O				
32+ 5	1.4564	1.45	O				
32+10	1.4553	1.45	O				
32+15	1.4542	1.45	O				
32+20	1.4531	1.45	O				
32+25	1.4521	1.45	O				
32+30	1.4510	1.45	O				
32+35	1.4499	1.45	O				
32+40	1.4489	1.45	O				
32+45	1.4478	1.45	O				
32+50	1.4467	1.44	O				
32+55	1.4457	1.44	O				
33+ 0	1.4446	1.44	O				
33+ 5	1.4435	1.44	O				
33+10	1.4425	1.44	O				
33+15	1.4414	1.44	O				

33+20	1.4403	1.44	O				
33+25	1.4393	1.44	O				
33+30	1.4382	1.44	O				
33+35	1.4371	1.44	O				
33+40	1.4361	1.43	O				
33+45	1.4350	1.43	O				
33+50	1.4340	1.43	O				
33+55	1.4329	1.43	O				
34+ 0	1.4318	1.43	O				
34+ 5	1.4308	1.43	O				
34+10	1.4297	1.43	O				
34+15	1.4287	1.43	O				
34+20	1.4276	1.43	O				
34+25	1.4266	1.42	O				
34+30	1.4255	1.42	O				
34+35	1.4245	1.42	O				
34+40	1.4234	1.42	O				
34+45	1.4224	1.42	O				
34+50	1.4213	1.42	O				
34+55	1.4203	1.42	O				
35+ 0	1.4192	1.42	O				
35+ 5	1.4182	1.42	O				
35+10	1.4171	1.42	O				
35+15	1.4161	1.41	O				
35+20	1.4150	1.41	O				
35+25	1.4140	1.41	O				
35+30	1.4129	1.41	O				
35+35	1.4119	1.41	O				
35+40	1.4108	1.41	O				
35+45	1.4096	1.41	O				
35+50	1.4083	1.41	O				
35+55	1.4070	1.40	O				
36+ 0	1.4057	1.40	O				
36+ 5	1.4044	1.40	O				
36+10	1.4031	1.40	O				
36+15	1.4017	1.40	O				
36+20	1.4004	1.40	IO				
36+25	1.3991	1.40	IO				
36+30	1.3978	1.40	O				
36+35	1.3964	1.39	O				
36+40	1.3951	1.39	O				
36+45	1.3938	1.39	O				
36+50	1.3925	1.39	O				
36+55	1.3911	1.39	O				
37+ 0	1.3898	1.39	O				
37+ 5	1.3885	1.39	O				
37+10	1.3872	1.38	O				
37+15	1.3859	1.38	O				
37+20	1.3846	1.38	O				
37+25	1.3832	1.38	O				
37+30	1.3819	1.38	O				
37+35	1.3806	1.38	O				
37+40	1.3793	1.38	O				
37+45	1.3780	1.38	O				
37+50	1.3767	1.37	O				
37+55	1.3754	1.37	O				
38+ 0	1.3741	1.37	O				
38+ 5	1.3728	1.37	O				
38+10	1.3715	1.37	O				
38+15	1.3702	1.37	O				
38+20	1.3689	1.37	O				
38+25	1.3676	1.37	O				
38+30	1.3663	1.36	O				
38+35	1.3650	1.36	O				
38+40	1.3637	1.36	O				
38+45	1.3624	1.36	O				
38+50	1.3611	1.36	O				
38+55	1.3598	1.36	O				
39+ 0	1.3585	1.36	O				
39+ 5	1.3572	1.35	O				
39+10	1.3559	1.35	O				
39+15	1.3547	1.35	O				
39+20	1.3534	1.35	O				
39+25	1.3521	1.35	O				
39+30	1.3508	1.35	O				
39+35	1.3495	1.35	O				
39+40	1.3482	1.35	O				
39+45	1.3470	1.34	O				
39+50	1.3457	1.34	O				
39+55	1.3444	1.34	O				
40+ 0	1.3431	1.34	O				
40+ 5	1.3419	1.34	O				
40+10	1.3406	1.34	O				
40+15	1.3393	1.34	O				
40+20	1.3380	1.34	O				
40+25	1.3368	1.33	O				
40+30	1.3355	1.33	O				
40+35	1.3342	1.33	O				
40+40	1.3330	1.33	O				
40+45	1.3317	1.33	O				
40+50	1.3304	1.33	O				
40+55	1.3292	1.33	O				
41+ 0	1.3279	1.33	O				
41+ 5	1.3267	1.32	O				
41+10	1.3254	1.32	O				
41+15	1.3241	1.32	O				
41+20	1.3229	1.32	O				
41+25	1.3216	1.32	O				
41+30	1.3204	1.32	O				
41+35	1.3191	1.32	O				
41+40	1.3179	1.32	O				
41+45	1.3166	1.31	O				
41+50	1.3154	1.31	O				
41+55	1.3141	1.31	O				
42+ 0	1.3129	1.31	O				
42+ 5	1.3116	1.31	O				
42+10	1.3104	1.31	O				
42+15	1.3091	1.31	O				
42+20	1.3079	1.31	O				
42+25	1.3067	1.30	O				
42+30	1.3054	1.30	O				
42+35	1.3042	1.30	O				
42+40	1.3029	1.30	O				
42+45	1.3017	1.30	O				
42+50	1.3004	1.30	O				
42+55	1.2991	1.30	O				
43+ 0	1.2978	1.30	O				
43+ 5	1.2965	1.29	O				
43+10	1.2952	1.29	O				
43+15	1.2939	1.29	O				
43+20	1.2925	1.29	O				
43+25	1.2912	1.29	O				

43+30	1.2899	1.29	O				
43+35	1.2886	1.29	O				
43+40	1.2873	1.28	O				
43+45	1.2860	1.28	O				
43+50	1.2846	1.28	O				
43+55	1.2833	1.28	O				
44+ 0	1.2820	1.28	O				
44+ 5	1.2807	1.28	O				
44+10	1.2794	1.28	O				
44+15	1.2781	1.28	O				
44+20	1.2768	1.27	O				
44+25	1.2755	1.27	O				
44+30	1.2742	1.27	O				
44+35	1.2729	1.27	O				
44+40	1.2716	1.27	O				
44+45	1.2703	1.27	O				
44+50	1.2690	1.27	O				
44+55	1.2677	1.27	O				
45+ 0	1.2664	1.26	O				
45+ 5	1.2651	1.26	O				
45+10	1.2638	1.26	O				
45+15	1.2625	1.26	O				
45+20	1.2612	1.26	O				
45+25	1.2599	1.26	O				
45+30	1.2586	1.26	O				
45+35	1.2574	1.25	O				
45+40	1.2561	1.25	O				
45+45	1.2548	1.25	O				
45+50	1.2535	1.25	O				
45+55	1.2522	1.25	O				
46+ 0	1.2509	1.25	O				
46+ 5	1.2497	1.25	O				
46+10	1.2484	1.25	O				
46+15	1.2471	1.24	O				
46+20	1.2458	1.24	O				
46+25	1.2446	1.24	O				
46+30	1.2433	1.24	O				
46+35	1.2420	1.24	O				
46+40	1.2408	1.24	O				
46+45	1.2395	1.24	O				
46+50	1.2382	1.24	O				
46+55	1.2370	1.23	O				
47+ 0	1.2357	1.23	O				
47+ 5	1.2344	1.23	O				
47+10	1.2332	1.23	O				
47+15	1.2319	1.23	O				
47+20	1.2307	1.23	O				
47+25	1.2294	1.23	O				
47+30	1.2281	1.23	O				
47+35	1.2269	1.22	O				
47+40	1.2256	1.22	O				
47+45	1.2244	1.22	O				
47+50	1.2231	1.22	O				
47+55	1.2219	1.22	O				
48+ 0	1.2206	1.22	O				
48+ 5	1.2194	1.22	O				
48+10	1.2181	1.22	O				
48+15	1.2169	1.21	O				
48+20	1.2156	1.21	O				
48+25	1.2144	1.21	O				
48+30	1.2132	1.21	O				
48+35	1.2119	1.21	O				
48+40	1.2107	1.21	O				
48+45	1.2094	1.21	O				
48+50	1.2082	1.21	O				
48+55	1.2070	1.20	O				
49+ 0	1.2057	1.20	O				
49+ 5	1.2045	1.20	O				
49+10	1.2033	1.20	O				
49+15	1.2021	1.20	O				
49+20	1.2008	1.20	O				
49+25	1.1996	1.20	O				
49+30	1.1984	1.20	O				
49+35	1.1971	1.19	O				
49+40	1.1959	1.19	O				
49+45	1.1947	1.19	O				
49+50	1.1935	1.19	O				
49+55	1.1923	1.19	O				
50+ 0	1.1909	1.19	O				
50+ 5	1.1894	1.19	O				
50+10	1.1878	1.18	O				
50+15	1.1862	1.18	O				
50+20	1.1845	1.18	O				
50+25	1.1828	1.18	O				
50+30	1.1810	1.18	O				
50+35	1.1793	1.18	O				
50+40	1.1776	1.17	O				
50+45	1.1759	1.17	O				
50+50	1.1742	1.17	O				
50+55	1.1724	1.17	O				
51+ 0	1.1707	1.17	O				
51+ 5	1.1690	1.17	O				
51+10	1.1673	1.16	O				
51+15	1.1656	1.16	O				
51+20	1.1639	1.16	O				
51+25	1.1622	1.16	O				
51+30	1.1605	1.16	O				
51+35	1.1588	1.16	O				
51+40	1.1571	1.15	O				
51+45	1.1554	1.15	O				
51+50	1.1537	1.15	O				
51+55	1.1520	1.15	O				
52+ 0	1.1503	1.15	O				
52+ 5	1.1486	1.15	O				
52+10	1.1470	1.14	O				
52+15	1.1453	1.14	O				
52+20	1.1436	1.14	O				
52+25	1.1419	1.14	O				
52+30	1.1403	1.14	O				
52+35	1.1386	1.14	O				
52+40	1.1369	1.13	O				
52+45	1.1353	1.13	O				
52+50	1.1336	1.13	O				
52+55	1.1319	1.13	O				
53+ 0	1.1303	1.13	O				
53+ 5	1.1286	1.13	O				
53+10	1.1270	1.12	O				
53+15	1.1253	1.12	O				
53+20	1.1237	1.12	O				
53+25	1.1220	1.12	O				
53+30	1.1204	1.12	O				
53+35	1.1187	1.12	O				

53+40	1.1171	1.11	O				
53+45	1.1155	1.11	O				
53+50	1.1138	1.11	O				
53+55	1.1122	1.11	O				
54+ 0	1.1106	1.11	O				
54+ 5	1.1089	1.11	O				
54+10	1.1073	1.10	O				
54+15	1.1057	1.10	O				
54+20	1.1041	1.10	O				
54+25	1.1025	1.10	O				
54+30	1.1008	1.10	O				
54+35	1.0992	1.10	O				
54+40	1.0976	1.09	O				
54+45	1.0960	1.09	O				
54+50	1.0944	1.09	O				
54+55	1.0928	1.09	O				
55+ 0	1.0912	1.09	O				
55+ 5	1.0896	1.09	O				
55+10	1.0880	1.08	O				
55+15	1.0864	1.08	O				
55+20	1.0848	1.08	O				
55+25	1.0832	1.08	O				
55+30	1.0817	1.08	O				
55+35	1.0801	1.08	O				
55+40	1.0785	1.08	O				
55+45	1.0769	1.07	O				
55+50	1.0753	1.07	O				
55+55	1.0738	1.07	O				
56+ 0	1.0722	1.07	O				
56+ 5	1.0706	1.07	O				
56+10	1.0691	1.07	O				
56+15	1.0675	1.06	O				
56+20	1.0659	1.06	O				
56+25	1.0644	1.06	O				
56+30	1.0628	1.06	O				
56+35	1.0613	1.06	O				
56+40	1.0597	1.06	O				
56+45	1.0581	1.06	O				
56+50	1.0566	1.05	O				
56+55	1.0550	1.05	O				
57+ 0	1.0535	1.05	O				
57+ 5	1.0520	1.05	O				
57+10	1.0504	1.05	O				
57+15	1.0489	1.05	O				
57+20	1.0473	1.04	O				
57+25	1.0458	1.04	O				
57+30	1.0443	1.04	O				
57+35	1.0428	1.04	O				
57+40	1.0412	1.04	O				
57+45	1.0397	1.04	O				
57+50	1.0382	1.04	O				
57+55	1.0367	1.03	O				
58+ 0	1.0351	1.03	O				
58+ 5	1.0336	1.03	O				
58+10	1.0321	1.03	O				
58+15	1.0306	1.03	O				
58+20	1.0291	1.03	O				
58+25	1.0276	1.02	O				
58+30	1.0261	1.02	O				
58+35	1.0246	1.02	O				
58+40	1.0231	1.02	O				
58+45	1.0216	1.02	O				
58+50	1.0201	1.02	O				
58+55	1.0186	1.02	O				
59+ 0	1.0171	1.01	O				
59+ 5	1.0156	1.01	O				
59+10	1.0141	1.01	O				
59+15	1.0126	1.01	O				
59+20	1.0112	1.01	O				
59+25	1.0097	1.01	O				
59+30	1.0082	1.01	O				
59+35	1.0067	1.00	O				
59+40	1.0052	1.00	O				
59+45	1.0038	1.00	O				
59+50	1.0023	1.00	O				
59+55	1.0008	1.00	O				
60+ 0	0.9994	1.00	O				
60+ 5	0.9979	1.00	O				
60+10	0.9964	0.99	O				
60+15	0.9950	0.99	O				
60+20	0.9935	0.99	O				
60+25	0.9921	0.99	O				
60+30	0.9906	0.99	O				
60+35	0.9892	0.99	O				
60+40	0.9877	0.98	O				
60+45	0.9863	0.98	O				
60+50	0.9848	0.98	O				
60+55	0.9834	0.98	O				
61+ 0	0.9820	0.98	O				
61+ 5	0.9805	0.98	O				
61+10	0.9791	0.98	O				
61+15	0.9776	0.97	O				
61+20	0.9762	0.97	O				
61+25	0.9748	0.97	O				
61+30	0.9734	0.97	O				
61+35	0.9719	0.97	O				
61+40	0.9705	0.97	O				
61+45	0.9691	0.97	O				
61+50	0.9677	0.96	O				
61+55	0.9662	0.96	O				
62+ 0	0.9648	0.96	O				
62+ 5	0.9634	0.96	O				
62+10	0.9620	0.96	O				
62+15	0.9606	0.96	O				
62+20	0.9592	0.96	O				
62+25	0.9578	0.96	O				
62+30	0.9564	0.95	O				
62+35	0.9550	0.95	O				
62+40	0.9536	0.95	O				
62+45	0.9522	0.95	O				
62+50	0.9508	0.95	O				
62+55	0.9494	0.95	O				
63+ 0	0.9480	0.95	O				
63+ 5	0.9466	0.94	O				
63+10	0.9452	0.94	O				
63+15	0.9439	0.94	O				
63+20	0.9425	0.94	O				
63+25	0.9411	0.94	O				
63+30	0.9397	0.94	O				
63+35	0.9383	0.94	O				
63+40	0.9370	0.93	O				
63+45	0.9356	0.93	O				

63+50	0.9342	0.93	IO				
63+55	0.9329	0.93	IO				
64+ 0	0.9315	0.93	O				
64+ 5	0.9301	0.93	O				
64+10	0.9288	0.93	O				
64+15	0.9274	0.92	O				
64+20	0.9260	0.92	O				
64+25	0.9247	0.92	O				
64+30	0.9233	0.92	O				
64+35	0.9220	0.92	O				
64+40	0.9206	0.92	O				
64+45	0.9193	0.92	O				
64+50	0.9179	0.92	O				
64+55	0.9166	0.91	O				
65+ 0	0.9153	0.91	O				
65+ 5	0.9139	0.91	O				
65+10	0.9126	0.91	O				
65+15	0.9111	0.91	O				
65+20	0.9092	0.91	O				
65+25	0.9072	0.90	O				
65+30	0.9050	0.90	O				
65+35	0.9028	0.90	O				
65+40	0.9005	0.90	O				
65+45	0.8982	0.89	O				
65+50	0.8960	0.89	O				
65+55	0.8937	0.89	O				
66+ 0	0.8914	0.89	O				
66+ 5	0.8891	0.88	O				
66+10	0.8868	0.88	O				
66+15	0.8846	0.88	O				
66+20	0.8823	0.88	O				
66+25	0.8801	0.88	O				
66+30	0.8778	0.87	O				
66+35	0.8756	0.87	O				
66+40	0.8733	0.87	O				
66+45	0.8711	0.87	O				
66+50	0.8689	0.86	O				
66+55	0.8666	0.86	O				
67+ 0	0.8644	0.86	O				
67+ 5	0.8622	0.86	O				
67+10	0.8600	0.86	O				
67+15	0.8578	0.85	O				
67+20	0.8556	0.85	O				
67+25	0.8534	0.85	O				
67+30	0.8513	0.85	O				
67+35	0.8491	0.84	O				
67+40	0.8469	0.84	O				
67+45	0.8447	0.84	O				
67+50	0.8426	0.84	O				
67+55	0.8404	0.84	O				
68+ 0	0.8383	0.83	O				
68+ 5	0.8361	0.83	O				
68+10	0.8340	0.83	O				
68+15	0.8319	0.83	O				
68+20	0.8297	0.83	O				
68+25	0.8276	0.82	O				
68+30	0.8255	0.82	O				
68+35	0.8234	0.82	O				
68+40	0.8213	0.82	O				
68+45	0.8192	0.82	O				
68+50	0.8171	0.81	O				
68+55	0.8150	0.81	O				
69+ 0	0.8129	0.81	O				
69+ 5	0.8108	0.81	O				
69+10	0.8088	0.80	O				
69+15	0.8067	0.80	O				
69+20	0.8046	0.80	O				
69+25	0.8026	0.80	O				
69+30	0.8005	0.80	O				
69+35	0.7985	0.79	O				
69+40	0.7964	0.79	O				
69+45	0.7944	0.79	O				
69+50	0.7924	0.79	O				
69+55	0.7903	0.79	O				
70+ 0	0.7883	0.78	O				
70+ 5	0.7863	0.78	O				
70+10	0.7843	0.78	O				
70+15	0.7823	0.78	O				
70+20	0.7803	0.78	O				
70+25	0.7783	0.77	O				
70+30	0.7763	0.77	O				
70+35	0.7743	0.77	O				
70+40	0.7723	0.77	O				
70+45	0.7704	0.77	O				
70+50	0.7684	0.76	O				
70+55	0.7664	0.76	O				
71+ 0	0.7645	0.76	O				
71+ 5	0.7625	0.76	O				
71+10	0.7606	0.76	O				
71+15	0.7586	0.75	O				
71+20	0.7567	0.75	O				
71+25	0.7548	0.75	O				
71+30	0.7528	0.75	O				
71+35	0.7509	0.75	O				
71+40	0.7490	0.75	O				
71+45	0.7471	0.74	O				
71+50	0.7452	0.74	O				
71+55	0.7432	0.74	O				
72+ 0	0.7413	0.74	O				
72+ 5	0.7395	0.74	O				
72+10	0.7376	0.73	O				
72+15	0.7357	0.73	O				
72+20	0.7338	0.73	O				
72+25	0.7319	0.73	O				
72+30	0.7300	0.73	O				
72+35	0.7282	0.72	O				
72+40	0.7263	0.72	O				
72+45	0.7245	0.72	O				
72+50	0.7226	0.72	O				
72+55	0.7208	0.72	O				
73+ 0	0.7189	0.72	O				
73+ 5	0.7171	0.71	O				
73+10	0.7152	0.71	O				
73+15	0.7134	0.71	O				
73+20	0.7116	0.71	O				
73+25	0.7098	0.71	O				
73+30	0.7080	0.70	O				
73+35	0.7062	0.70	O				
73+40	0.7043	0.70	O				
73+45	0.7025	0.70	O				
73+50	0.7008	0.70	O				
73+55	0.6990	0.70	O				

74+ 0	0.6972	0.69	|O	|	|	|	|	79+ 5	0.5964	0.59	|O	|	|	|	|
74+ 5	0.6954	0.69	|O	|	|	|	|	79+10	0.5949	0.59	|O	|	|	|	|
74+10	0.6936	0.69	|O	|	|	|	|	79+15	0.5933	0.59	|O	|	|	|	|
74+15	0.6918	0.69	|O	|	|	|	|	79+20	0.5918	0.59	|O	|	|	|	|
74+20	0.6901	0.69	|O	|	|	|	|	79+25	0.5903	0.59	|O	|	|	|	|
74+25	0.6883	0.68	|O	|	|	|	|	79+30	0.5888	0.59	|O	|	|	|	|
74+30	0.6865	0.68	|O	|	|	|	|	79+35	0.5873	0.58	|O	|	|	|	|
74+35	0.6848	0.68	|O	|	|	|	|	79+40	0.5858	0.58	|O	|	|	|	|
74+40	0.6830	0.68	|O	|	|	|	|	79+45	0.5843	0.58	|O	|	|	|	|
74+45	0.6813	0.68	|O	|	|	|	|	79+50	0.5828	0.58	|O	|	|	|	|
74+50	0.6796	0.68	|O	|	|	|	|	79+55	0.5813	0.58	|O	|	|	|	|
74+55	0.6778	0.67	|O	|	|	|	|	80+ 0	0.5798	0.58	|O	|	|	|	|
75+ 0	0.6761	0.67	|O	|	|	|	|	80+ 5	0.5783	0.58	|O	|	|	|	|
75+ 5	0.6744	0.67	|O	|	|	|	|	80+10	0.5769	0.57	|O	|	|	|	|
75+10	0.6726	0.67	|O	|	|	|	|	80+15	0.5754	0.57	|O	|	|	|	|
75+15	0.6709	0.67	|O	|	|	|	|	80+20	0.5739	0.57	|O	|	|	|	|
75+20	0.6692	0.67	|O	|	|	|	|	80+25	0.5724	0.57	|O	|	|	|	|
75+25	0.6675	0.66	|O	|	|	|	|	80+30	0.5710	0.57	|O	|	|	|	|
75+30	0.6658	0.66	|O	|	|	|	|	80+35	0.5695	0.57	|O	|	|	|	|
75+35	0.6641	0.66	|O	|	|	|	|	80+40	0.5681	0.57	|O	|	|	|	|
75+40	0.6624	0.66	|O	|	|	|	|	80+45	0.5666	0.56	|O	|	|	|	|
75+45	0.6607	0.66	|O	|	|	|	|	80+50	0.5652	0.56	|O	|	|	|	|
75+50	0.6590	0.66	|O	|	|	|	|	80+55	0.5637	0.56	|O	|	|	|	|
75+55	0.6573	0.65	|O	|	|	|	|	81+ 0	0.5623	0.56	|O	|	|	|	|
76+ 0	0.6556	0.65	|O	|	|	|	|	81+ 5	0.5608	0.56	|O	|	|	|	|
76+ 5	0.6540	0.65	|O	|	|	|	|	81+10	0.5594	0.56	|O	|	|	|	|
76+10	0.6523	0.65	|O	|	|	|	|	81+15	0.5580	0.56	|O	|	|	|	|
76+15	0.6506	0.65	|O	|	|	|	|	81+20	0.5565	0.55	|O	|	|	|	|
76+20	0.6489	0.65	|O	|	|	|	|	81+25	0.5551	0.55	|O	|	|	|	|
76+25	0.6473	0.64	|O	|	|	|	|	81+30	0.5537	0.55	|O	|	|	|	|
76+30	0.6456	0.64	|O	|	|	|	|	81+35	0.5523	0.55	|O	|	|	|	|
76+35	0.6440	0.64	|O	|	|	|	|	81+40	0.5509	0.55	|O	|	|	|	|
76+40	0.6423	0.64	|O	|	|	|	|	81+45	0.5495	0.55	|O	|	|	|	|
76+45	0.6407	0.64	|O	|	|	|	|	81+50	0.5481	0.55	|O	|	|	|	|
76+50	0.6391	0.64	|O	|	|	|	|	81+55	0.5467	0.54	|O	|	|	|	|
76+55	0.6374	0.63	|O	|	|	|	|	82+ 0	0.5453	0.54	|O	|	|	|	|
77+ 0	0.6358	0.63	|O	|	|	|	|	82+ 5	0.5439	0.54	|O	|	|	|	|
77+ 5	0.6342	0.63	|O	|	|	|	|	82+10	0.5425	0.54	|O	|	|	|	|
77+10	0.6325	0.63	|O	|	|	|	|	82+15	0.5411	0.54	|O	|	|	|	|
77+15	0.6309	0.63	|O	|	|	|	|	82+20	0.5397	0.54	|O	|	|	|	|
77+20	0.6293	0.63	|O	|	|	|	|	82+25	0.5383	0.54	|O	|	|	|	|
77+25	0.6277	0.62	|O	|	|	|	|	82+30	0.5370	0.53	|O	|	|	|	|
77+30	0.6261	0.62	|O	|	|	|	|	82+35	0.5356	0.53	|O	|	|	|	|
77+35	0.6245	0.62	|O	|	|	|	|	82+40	0.5342	0.53	|O	|	|	|	|
77+40	0.6229	0.62	|O	|	|	|	|	82+45	0.5328	0.53	|O	|	|	|	|
77+45	0.6213	0.62	|O	|	|	|	|	82+50	0.5315	0.53	|O	|	|	|	|
77+50	0.6197	0.62	|O	|	|	|	|	82+55	0.5301	0.53	|O	|	|	|	|
77+55	0.6181	0.62	|O	|	|	|	|	83+ 0	0.5288	0.53	|O	|	|	|	|
78+ 0	0.6166	0.61	|O	|	|	|	|	83+ 5	0.5274	0.52	|O	|	|	|	|
78+ 5	0.6150	0.61	|O	|	|	|	|	83+10	0.5261	0.52	|O	|	|	|	|
78+10	0.6134	0.61	|O	|	|	|	|	83+15	0.5247	0.52	|O	|	|	|	|
78+15	0.6118	0.61	|O	|	|	|	|	83+20	0.5234	0.52	|O	|	|	|	|
78+20	0.6103	0.61	|O	|	|	|	|	83+25	0.5220	0.52	|O	|	|	|	|
78+25	0.6087	0.61	|O	|	|	|	|	83+30	0.5207	0.52	|O	|	|	|	|
78+30	0.6072	0.60	|O	|	|	|	|	83+35	0.5194	0.52	|O	|	|	|	|
78+35	0.6056	0.60	|O	|	|	|	|	83+40	0.5180	0.52	|O	|	|	|	|
78+40	0.6041	0.60	|O	|	|	|	|	83+45	0.5167	0.51	|O	|	|	|	|
78+45	0.6025	0.60	|O	|	|	|	|	83+50	0.5154	0.51	|O	|	|	|	|
78+50	0.6010	0.60	|O	|	|	|	|	83+55	0.5141	0.51	|O	|	|	|	|
78+55	0.5994	0.60	|O	|	|	|	|	84+ 0	0.5128	0.51	|O	|	|	|	|
79+ 0	0.5979	0.59	|O	|	|	|	|	84+ 5	0.5115	0.51	|O	|	|	|	|

84+10	0.5102	0.51	|O	|	|	|	|	89+15	0.3401	0.34	O	|	|	|	|
84+15	0.5088	0.51	|O	|	|	|	|	89+20	0.3377	0.33	O	|	|	|	|
84+20	0.5075	0.51	|O	|	|	|	|	89+25	0.3352	0.33	O	|	|	|	|
84+25	0.5062	0.50	|O	|	|	|	|	89+30	0.3328	0.33	O	|	|	|	|
84+30	0.5050	0.50	|O	|	|	|	|	89+35	0.3304	0.33	O	|	|	|	|
84+35	0.5037	0.50	|O	|	|	|	|	89+40	0.3280	0.32	O	|	|	|	|
84+40	0.5023	0.50	|O	|	|	|	|	89+45	0.3257	0.32	O	|	|	|	|
84+45	0.5006	0.50	|O	|	|	|	|	89+50	0.3233	0.32	O	|	|	|	|
84+50	0.4981	0.49	|O	|	|	|	|	89+55	0.3210	0.32	O	|	|	|	|
84+55	0.4951	0.49	|O	|	|	|	|	90+ 0	0.3187	0.31	O	|	|	|	|
85+ 0	0.4918	0.49	|O	|	|	|	|	90+ 5	0.3164	0.31	O	|	|	|	|
85+ 5	0.4885	0.48	|O	|	|	|	|	90+10	0.3141	0.31	O	|	|	|	|
85+10	0.4851	0.48	|O	|	|	|	|	90+15	0.3118	0.31	O	|	|	|	|
85+15	0.4816	0.47	|O	|	|	|	|	90+20	0.3096	0.31	O	|	|	|	|
85+20	0.4782	0.47	|O	|	|	|	|	90+25	0.3073	0.30	O	|	|	|	|
85+25	0.4748	0.47	|O	|	|	|	|	90+30	0.3051	0.30	O	|	|	|	|
85+30	0.4713	0.46	IO	|	|	|	|	90+35	0.3029	0.30	O	|	|	|	|
85+35	0.4679	0.46	IO	|	|	|	|	90+40	0.3007	0.30	O	|	|	|	|
85+40	0.4646	0.46	O	|	|	|	|	90+45	0.2985	0.29	O	|	|	|	|
85+45	0.4612	0.45	O	|	|	|	|	90+50	0.2964	0.29	O	|	|	|	|
85+50	0.4579	0.45	O	|	|	|	|	90+55	0.2942	0.29	O	|	|	|	|
85+55	0.4546	0.45	O	|	|	|	|	91+ 0	0.2921	0.29	O	|	|	|	|
86+ 0	0.4513	0.44	O	|	|	|	|	91+ 5	0.2900	0.29	O	|	|	|	|
86+ 5	0.4480	0.44	O	|	|	|	|	91+10	0.2879	0.28	O	|	|	|	|
86+10	0.4448	0.44	O	|	|	|	|	91+15	0.2858	0.28	O	|	|	|	|
86+15	0.4416	0.44	O	|	|	|	|	91+20	0.2838	0.28	O	|	|	|	|
86+20	0.4384	0.43	O	|	|	|	|	91+25	0.2817	0.28	O	|	|	|	|
86+25	0.4352	0.43	O	|	|	|	|	91+30	0.2797	0.28	O	|	|	|	|
86+30	0.4321	0.43	O	|	|	|	|	91+35	0.2777	0.27	O	|	|	|	|
86+35	0.4290	0.42	O	|	|	|	|	91+40	0.2757	0.27	O	|	|	|	|
86+40	0.4259	0.42	O	|	|	|	|	91+45	0.2737	0.27	O	|	|	|	|
86+45	0.4228	0.42	O	|	|	|	|	91+50	0.2717	0.27	O	|	|	|	|
86+50	0.4197	0.41	O	|	|	|	|	91+55	0.2697	0.27	O	|	|	|	|
86+55	0.4167	0.41	O	|	|	|	|	92+ 0	0.2678	0.26	O	|	|	|	|
87+ 0	0.4137	0.41	O	|	|	|	|	92+ 5	0.2658	0.26	O	|	|	|	|
87+ 5	0.4107	0.40	O	|	|	|	|	92+10	0.2639	0.26	O	|	|	|	|
87+10	0.4077	0.40	O	|	|	|	|	92+15	0.2620	0.26	O	|	|	|	|
87+15	0.4048	0.40	O	|	|	|	|	92+20	0.2601	0.26	O	|	|	|	|
87+20	0.4019	0.40	O	|	|	|	|	92+25	0.2582	0.25	O	|	|	|	|
87+25	0.3990	0.39	O	|	|	|	|	92+30	0.2564	0.25	O	|	|	|	|
87+30	0.3961	0.39	O	|	|	|	|	92+35	0.2545	0.25	O	|	|	|	|
87+35	0.3932	0.39	O	|	|	|	|	92+40	0.2527	0.25	O	|	|	|	|
87+40	0.3904	0.38	O	|	|	|	|	92+45	0.2509	0.25	O	|	|	|	|
87+45	0.3876	0.38	O	|	|	|	|	92+50	0.2490	0.25	O	|	|	|	|
87+50	0.3848	0.38	O	|	|	|	|	92+55	0.2472	0.24	O	|	|	|	|
87+55	0.3820	0.38	O	|	|	|	|	93+ 0	0.2455	0.24	O	|	|	|	|
88+ 0	0.3792	0.37	O	|	|	|	|	93+ 5	0.2437	0.24	O	|	|	|	|
88+ 5	0.3765	0.37	O	|	|	|	|	93+10	0.2419	0.24	O	|	|	|	|
88+10	0.3738	0.37	O	|	|	|	|	93+15	0.2402	0.24	O	|	|	|	|
88+15	0.3711	0.37	O	|	|	|	|	93+20	0.2384	0.24	O	|	|	|	|
88+20	0.3684	0.36	O	|	|	|	|	93+25	0.2367	0.23	O	|	|	|	|
88+25	0.3657	0.36	O	|	|	|	|	93+30	0.2350	0.23	O	|	|	|	|
88+30	0.3631	0.36	O	|	|	|	|	93+35	0.2333	0.23	O	|	|	|	|
88+35	0.3605	0.36	O	|	|	|	|	93+40	0.2316	0.23	O	|	|	|	|
88+40	0.3579	0.35	O	|	|	|	|	93+45	0.2300	0.23	O	|	|	|	|
88+45	0.3553	0.35	O	|	|	|	|	93+50	0.2283	0.23	O	|	|	|	|
88+50	0.3527	0.35	O	|	|	|	|	93+55	0.2266	0.22	O	|	|	|	|
88+55	0.3502	0.35	O	|	|	|	|	94+ 0	0.2250	0.22	O	|	|	|	|
89+ 0	0.3476	0.34	O	|	|	|	|	94+ 5	0.2234	0.22	O	|	|	|	|
89+ 5	0.3451	0.34	O	|	|	|	|	94+10	0.2218	0.22	O	|	|	|	|
89+10	0.3426	0.34	O	|	|	|	|	94+15	0.2202	0.22	O	|	|	|	|

94+20	0.2186	0.22	O				
94+25	0.2170	0.21	O				
94+30	0.2154	0.21	O				
94+35	0.2139	0.21	O				
94+40	0.2123	0.21	O				
94+45	0.2108	0.21	O				
94+50	0.2093	0.21	O				
94+55	0.2078	0.20	O				
95+ 0	0.2063	0.20	O				
95+ 5	0.2048	0.20	O				
95+10	0.2033	0.20	O				
95+15	0.2018	0.20	O				
95+20	0.2004	0.20	O				
95+25	0.1989	0.20	O				
95+30	0.1975	0.19	O				
95+35	0.1961	0.19	O				
95+40	0.1946	0.19	O				
95+45	0.1932	0.19	O				
95+50	0.1918	0.19	O				
95+55	0.1905	0.19	O				
96+ 0	0.1891	0.19	O				
96+ 5	0.1877	0.19	O				
96+10	0.1864	0.18	O				
96+15	0.1850	0.18	O				
96+20	0.1837	0.18	O				
96+25	0.1823	0.18	O				
96+30	0.1810	0.18	O				
96+35	0.1797	0.18	O				
96+40	0.1784	0.18	O				
96+45	0.1771	0.17	O				
96+50	0.1759	0.17	O				
96+55	0.1746	0.17	O				
97+ 0	0.1733	0.17	O				
97+ 5	0.1721	0.17	O				
97+10	0.1708	0.17	O				
97+15	0.1696	0.17	O				
97+20	0.1684	0.17	O				
97+25	0.1672	0.16	O				
97+30	0.1659	0.16	O				
97+35	0.1647	0.16	O				
97+40	0.1636	0.16	O				
97+45	0.1624	0.16	O				
97+50	0.1612	0.16	O				
97+55	0.1600	0.16	O				
98+ 0	0.1589	0.16	O				
98+ 5	0.1577	0.16	O				
98+10	0.1566	0.15	O				
98+15	0.1555	0.15	O				
98+20	0.1543	0.15	O				
98+25	0.1532	0.15	O				
98+30	0.1521	0.15	O				
98+35	0.1510	0.15	O				
98+40	0.1499	0.15	O				
98+45	0.1488	0.15	O				
98+50	0.1478	0.15	O				
98+55	0.1467	0.14	O				
99+ 0	0.1456	0.14	O				
99+ 5	0.1446	0.14	O				
99+10	0.1435	0.14	O				
99+15	0.1425	0.14	O				
99+20	0.1415	0.14	O				
99+25	0.1405	0.14	O				
99+30	0.1394	0.14	O				
99+35	0.1384	0.14	O				
99+40	0.1374	0.14	O				
99+45	0.1364	0.13	O				
99+50	0.1355	0.13	O				
99+55	0.1345	0.13	O				
100+ 0	0.1335	0.13	O				
100+ 5	0.1325	0.13	O				
100+10	0.1316	0.13	O				
100+15	0.1306	0.13	O				
100+20	0.1297	0.13	O				
100+25	0.1288	0.13	O				
100+30	0.1278	0.13	O				
100+35	0.1269	0.13	O				
100+40	0.1260	0.12	O				
100+45	0.1251	0.12	O				
100+50	0.1242	0.12	O				
100+55	0.1233	0.12	O				
101+ 0	0.1224	0.12	O				
101+ 5	0.1215	0.12	O				
101+10	0.1206	0.12	O				
101+15	0.1198	0.12	O				
101+20	0.1189	0.12	O				
101+25	0.1180	0.12	O				
101+30	0.1172	0.12	O				
101+35	0.1163	0.11	O				
101+40	0.1155	0.11	O				
101+45	0.1147	0.11	O				
101+50	0.1138	0.11	O				
101+55	0.1130	0.11	O				
102+ 0	0.1122	0.11	O				
102+ 5	0.1114	0.11	O				
102+10	0.1106	0.11	O				
102+15	0.1098	0.11	O				
102+20	0.1090	0.11	O				
102+25	0.1082	0.11	O				
102+30	0.1074	0.11	O				
102+35	0.1066	0.11	O				
102+40	0.1059	0.10	O				
102+45	0.1051	0.10	O				
102+50	0.1043	0.10	O				
102+55	0.1036	0.10	O				
103+ 0	0.1028	0.10	O				
103+ 5	0.1021	0.10	O				
103+10	0.1014	0.10	O				
103+15	0.1006	0.10	O				
103+20	0.0999	0.10	O				
103+25	0.0992	0.10	O				
103+30	0.0985	0.10	O				
103+35	0.0978	0.10	O				
103+40	0.0970	0.10	O				
103+45	0.0963	0.09	O				
103+50	0.0957	0.09	O				
103+55	0.0950	0.09	O				
104+ 0	0.0943	0.09	O				
104+ 5	0.0936	0.09	O				
104+10	0.0929	0.09	O				
104+15	0.0922	0.09	O				
104+20	0.0916	0.09	O				
104+25	0.0909	0.09	O				

104+30	0.0903	0.09	O					109+35	0.0580	0.06	O				
104+35	0.0896	0.09	O					109+40	0.0576	0.06	O				
104+40	0.0890	0.09	O					109+45	0.0572	0.06	O				
104+45	0.0883	0.09	O					109+50	0.0568	0.06	O				
104+50	0.0877	0.09	O					109+55	0.0563	0.06	O				
104+55	0.0870	0.09	O					110+ 0	0.0559	0.06	O				
105+ 0	0.0864	0.09	O					110+ 5	0.0555	0.05	O				
105+ 5	0.0858	0.08	O					110+10	0.0551	0.05	O				
105+10	0.0852	0.08	O					110+15	0.0547	0.05	O				
105+15	0.0846	0.08	O					110+20	0.0543	0.05	O				
105+20	0.0839	0.08	O					110+25	0.0539	0.05	O				
105+25	0.0833	0.08	O					110+30	0.0536	0.05	O				
105+30	0.0827	0.08	O					110+35	0.0532	0.05	O				
105+35	0.0821	0.08	O					110+40	0.0528	0.05	O				
105+40	0.0815	0.08	O					110+45	0.0524	0.05	O				
105+45	0.0810	0.08	O					110+50	0.0520	0.05	O				
105+50	0.0804	0.08	O					110+55	0.0516	0.05	O				
105+55	0.0798	0.08	O					111+ 0	0.0513	0.05	O				
106+ 0	0.0792	0.08	O					111+ 5	0.0509	0.05	O				
106+ 5	0.0786	0.08	O					111+10	0.0505	0.05	O				
106+10	0.0781	0.08	O					111+15	0.0502	0.05	O				
106+15	0.0775	0.08	O					111+20	0.0498	0.05	O				
106+20	0.0770	0.08	O					111+25	0.0495	0.05	O				
106+25	0.0764	0.08	O					111+30	0.0491	0.05	O				
106+30	0.0758	0.07	O					111+35	0.0487	0.05	O				
106+35	0.0753	0.07	O					111+40	0.0484	0.05	O				
106+40	0.0748	0.07	O					111+45	0.0480	0.05	O				
106+45	0.0742	0.07	O					111+50	0.0477	0.05	O				
106+50	0.0737	0.07	O					111+55	0.0473	0.05	O				
106+55	0.0731	0.07	O					112+ 0	0.0470	0.05	O				
107+ 0	0.0726	0.07	O					112+ 5	0.0467	0.05	O				
107+ 5	0.0721	0.07	O					112+10	0.0463	0.05	O				
107+10	0.0716	0.07	O					112+15	0.0460	0.05	O				
107+15	0.0711	0.07	O					112+20	0.0457	0.05	O				
107+20	0.0705	0.07	O					112+25	0.0453	0.04	O				
107+25	0.0700	0.07	O					112+30	0.0450	0.04	O				
107+30	0.0695	0.07	O					112+35	0.0447	0.04	O				
107+35	0.0690	0.07	O					112+40	0.0444	0.04	O				
107+40	0.0685	0.07	O					112+45	0.0440	0.04	O				
107+45	0.0680	0.07	O					112+50	0.0437	0.04	O				
107+50	0.0675	0.07	O					112+55	0.0434	0.04	O				
107+55	0.0671	0.07	O					113+ 0	0.0431	0.04	O				
108+ 0	0.0666	0.07	O					113+ 5	0.0428	0.04	O				
108+ 5	0.0661	0.07	O					113+10	0.0425	0.04	O				
108+10	0.0656	0.06	O					113+15	0.0422	0.04	O				
108+15	0.0651	0.06	O					113+20	0.0419	0.04	O				
108+20	0.0647	0.06	O					113+25	0.0416	0.04	O				
108+25	0.0642	0.06	O					113+30	0.0413	0.04	O				
108+30	0.0637	0.06	O					113+35	0.0410	0.04	O				
108+35	0.0633	0.06	O					113+40	0.0407	0.04	O				
108+40	0.0628	0.06	O					113+45	0.0404	0.04	O				
108+45	0.0624	0.06	O					113+50	0.0401	0.04	O				
108+50	0.0619	0.06	O					113+55	0.0398	0.04	O				
108+55	0.0615	0.06	O					114+ 0	0.0395	0.04	O				
109+ 0	0.0610	0.06	O					114+ 5	0.0392	0.04	O				
109+ 5	0.0606	0.06	O					114+10	0.0389	0.04	O				
109+10	0.0601	0.06	O					114+15	0.0386	0.04	O				
109+15	0.0597	0.06	O					114+20	0.0384	0.04	O				
109+20	0.0593	0.06	O					114+25	0.0381	0.04	O				
109+25	0.0588	0.06	O					114+30	0.0378	0.04	O				
109+30	0.0584	0.06	O					114+35	0.0375	0.04	O				

114+40	0.0373	0.04	O					119+45	0.0240	0.02	O				
114+45	0.0370	0.04	O					119+50	0.0238	0.02	O				
114+50	0.0367	0.04	O					119+55	0.0236	0.02	O				
114+55	0.0365	0.04	O					120+ 0	0.0234	0.02	O				
115+ 0	0.0362	0.04	O					120+ 5	0.0233	0.02	O				
115+ 5	0.0359	0.04	O					120+10	0.0231	0.02	O				
115+10	0.0357	0.04	O					120+15	0.0229	0.02	O				
115+15	0.0354	0.03	O					120+20	0.0228	0.02	O				
115+20	0.0352	0.03	O					120+25	0.0226	0.02	O				
115+25	0.0349	0.03	O					120+30	0.0224	0.02	O				
115+30	0.0347	0.03	O					120+35	0.0223	0.02	O				
115+35	0.0344	0.03	O					120+40	0.0221	0.02	O				
115+40	0.0342	0.03	O					120+45	0.0220	0.02	O				
115+45	0.0339	0.03	O					120+50	0.0218	0.02	O				
115+50	0.0337	0.03	O					120+55	0.0216	0.02	O				
115+55	0.0334	0.03	O					121+ 0	0.0215	0.02	O				
116+ 0	0.0332	0.03	O					121+ 5	0.0213	0.02	O				
116+ 5	0.0330	0.03	O					121+10	0.0212	0.02	O				
116+10	0.0327	0.03	O					121+15	0.0210	0.02	O				
116+15	0.0325	0.03	O					121+20	0.0209	0.02	O				
116+20	0.0322	0.03	O					121+25	0.0207	0.02	O				
116+25	0.0320	0.03	O					121+30	0.0206	0.02	O				
116+30	0.0318	0.03	O					121+35	0.0204	0.02	O				
116+35	0.0315	0.03	O					121+40	0.0203	0.02	O				
116+40	0.0313	0.03	O					121+45	0.0201	0.02	O				
116+45	0.0311	0.03	O					121+50	0.0200	0.02	O				
116+50	0.0309	0.03	O					121+55	0.0198	0.02	O				
116+55	0.0306	0.03	O					122+ 0	0.0197	0.02	O				
117+ 0	0.0304	0.03	O					122+ 5	0.0196	0.02	O				
117+ 5	0.0302	0.03	O					122+10	0.0194	0.02	O				
117+10	0.0300	0.03	O					122+15	0.0193	0.02	O				
117+15	0.0298	0.03	O					122+20	0.0191	0.02	O				
117+20	0.0296	0.03	O					122+25	0.0190	0.02	O				
117+25	0.0293	0.03	O					122+30	0.0189	0.02	O				
117+30	0.0291	0.03	O					122+35	0.0187	0.02	O				
117+35	0.0289	0.03	O					122+40	0.0186	0.02	O				
117+40	0.0287	0.03	O					122+45	0.0184	0.02	O				
117+45	0.0285	0.03	O					122+50	0.0183	0.02	O				
117+50	0.0283	0.03	O					122+55	0.0182	0.02	O				
117+55	0.0281	0.03	O					123+ 0	0.0181	0.02	O				
118+ 0	0.0279	0.03	O					123+ 5	0.0179	0.02	O				
118+ 5	0.0277	0.03	O					123+10	0.0178	0.02	O				
118+10	0.0275	0.03	O					123+15	0.0177	0.02	O				
118+15	0.0273	0.03	O					123+20	0.0175	0.02	O				
118+20	0.0271	0.03	O					123+25	0.0174	0.02	O				
118+25	0.0269	0.03	O					123+30	0.0173	0.02	O				
118+30	0.0267	0.03	O					123+35	0.0172	0.02	O				
118+35	0.0265	0.03	O					123+40	0.0170	0.02	O				
118+40	0.0263	0.03	O					123+45	0.0169	0.02	O				
118+45	0.0261	0.03	O					123+50	0.0168	0.02	O				
118+50	0.0259	0.03	O					123+55	0.0167	0.02	O				
118+55	0.0258	0.03	O					124+ 0	0.0165	0.02	O				
119+ 0	0.0256	0.03	O					124+ 5	0.0164	0.02	O				
119+ 5	0.0254	0.03	O					124+10	0.0163	0.02	O				
119+10	0.0252	0.02	O					124+15	0.0162	0.02	O				
119+15	0.0250	0.02	O					124+20	0.0161	0.02	O				
119+20	0.0248	0.02	O					124+25	0.0160	0.02	O				
119+25	0.0247	0.02	O					124+30	0.0158	0.02	O				
119+30	0.0245	0.02	O					124+35	0.0157	0.02	O				
119+35	0.0243	0.02	O					124+40	0.0156	0.02	O				
119+40	0.0241	0.02	O					124+45	0.0155	0.02	O				

124+50	0.0154	0.02	O					129+55	0.0099	0.01	O				
124+55	0.0153	0.02	O					130+ 0	0.0098	0.01	O				
125+ 0	0.0152	0.01	O					130+ 5	0.0097	0.01	O				
125+ 5	0.0151	0.01	O					130+10	0.0097	0.01	O				
125+10	0.0150	0.01	O					130+15	0.0096	0.01	O				
125+15	0.0148	0.01	O					130+20	0.0095	0.01	O				
125+20	0.0147	0.01	O					130+25	0.0095	0.01	O				
125+25	0.0146	0.01	O					130+30	0.0094	0.01	O				
125+30	0.0145	0.01	O					130+35	0.0093	0.01	O				
125+35	0.0144	0.01	O					130+40	0.0093	0.01	O				
125+40	0.0143	0.01	O					130+45	0.0092	0.01	O				
125+45	0.0142	0.01	O					130+50	0.0091	0.01	O				
125+50	0.0141	0.01	O					130+55	0.0091	0.01	O				
125+55	0.0140	0.01	O					131+ 0	0.0090	0.01	O				
126+ 0	0.0139	0.01	O					131+ 5	0.0089	0.01	O				
126+ 5	0.0138	0.01	O					131+10	0.0089	0.01	O				
126+10	0.0137	0.01	O					131+15	0.0088	0.01	O				
126+15	0.0136	0.01	O					131+20	0.0087	0.01	O				
126+20	0.0135	0.01	O					131+25	0.0087	0.01	O				
126+25	0.0134	0.01	O					131+30	0.0086	0.01	O				
126+30	0.0133	0.01	O					131+35	0.0086	0.01	O				
126+35	0.0132	0.01	O					131+40	0.0085	0.01	O				
126+40	0.0131	0.01	O					131+45	0.0084	0.01	O				
126+45	0.0130	0.01	O					131+50	0.0084	0.01	O				
126+50	0.0129	0.01	O					131+55	0.0083	0.01	O				
126+55	0.0128	0.01	O					132+ 0	0.0083	0.01	O				
127+ 0	0.0127	0.01	O					132+ 5	0.0082	0.01	O				
127+ 5	0.0127	0.01	O					132+10	0.0081	0.01	O				
127+10	0.0126	0.01	O					132+15	0.0081	0.01	O				
127+15	0.0125	0.01	O					132+20	0.0080	0.01	O				
127+20	0.0124	0.01	O					132+25	0.0080	0.01	O				
127+25	0.0123	0.01	O					132+30	0.0079	0.01	O				
127+30	0.0122	0.01	O					132+35	0.0078	0.01	O				
127+35	0.0121	0.01	O					132+40	0.0078	0.01	O				
127+40	0.0120	0.01	O					132+45	0.0077	0.01	O				
127+45	0.0119	0.01	O					132+50	0.0077	0.01	O				
127+50	0.0119	0.01	O					132+55	0.0076	0.01	O				
127+55	0.0118	0.01	O					133+ 0	0.0076	0.01	O				
128+ 0	0.0117	0.01	O					133+ 5	0.0075	0.01	O				
128+ 5	0.0116	0.01	O					133+10	0.0075	0.01	O				
128+10	0.0115	0.01	O					133+15	0.0074	0.01	O				
128+15	0.0114	0.01	O					133+20	0.0073	0.01	O				
128+20	0.0114	0.01	O					133+25	0.0073	0.01	O				
128+25	0.0113	0.01	O					133+30	0.0072	0.01	O				
128+30	0.0112	0.01	O					133+35	0.0072	0.01	O				
128+35	0.0111	0.01	O					133+40	0.0071	0.01	O				
128+40	0.0110	0.01	O					133+45	0.0071	0.01	O				
128+45	0.0109	0.01	O					133+50	0.0070	0.01	O				
128+50	0.0109	0.01	O					133+55	0.0070	0.01	O				
128+55	0.0108	0.01	O					134+ 0	0.0069	0.01	O				
129+ 0	0.0107	0.01	O					134+ 5	0.0069	0.01	O				
129+ 5	0.0106	0.01	O					134+10	0.0068	0.01	O				
129+10	0.0106	0.01	O					134+15	0.0068	0.01	O				
129+15	0.0105	0.01	O					134+20	0.0067	0.01	O				
129+20	0.0104	0.01	O					134+25	0.0067	0.01	O				
129+25	0.0103	0.01	O					134+30	0.0066	0.01	O				
129+30	0.0103	0.01	O					134+35	0.0066	0.01	O				
129+35	0.0102	0.01	O					134+40	0.0065	0.01	O				
129+40	0.0101	0.01	O					134+45	0.0065	0.01	O				
129+45	0.0100	0.01	O					134+50	0.0064	0.01	O				
129+50	0.0100	0.01	O					134+55	0.0064	0.01	O				

135+ 0	0.0064	0.01	Q	|	|	|	|
135+ 5	0.0063	0.01	Q	|	|	|	|
135+10	0.0063	0.01	Q	|	|	|	|
135+15	0.0062	0.01	Q	|	|	|	|
135+20	0.0062	0.01	Q	|	|	|	|
135+25	0.0061	0.01	Q	|	|	|	|
135+30	0.0061	0.01	Q	|	|	|	|
135+35	0.0060	0.01	Q	|	|	|	|
135+40	0.0060	0.01	Q	|	|	|	|
135+45	0.0060	0.01	Q	|	|	|	|
135+50	0.0059	0.01	Q	|	|	|	|
135+55	0.0059	0.01	Q	|	|	|	|
136+ 0	0.0058	0.01	Q	|	|	|	|
136+ 5	0.0058	0.01	Q	|	|	|	|
136+10	0.0057	0.01	Q	|	|	|	|
136+15	0.0057	0.01	Q	|	|	|	|
136+20	0.0057	0.01	Q	|	|	|	|
136+25	0.0056	0.01	Q	|	|	|	|
136+30	0.0056	0.01	Q	|	|	|	|
136+35	0.0055	0.01	Q	|	|	|	|
136+40	0.0055	0.01	Q	|	|	|	|
136+45	0.0055	0.01	Q	|	|	|	|
136+50	0.0054	0.01	Q	|	|	|	|
136+55	0.0054	0.01	Q	|	|	|	|
137+ 0	0.0053	0.01	Q	|	|	|	|
137+ 5	0.0053	0.01	Q	|	|	|	|
137+10	0.0053	0.01	Q	|	|	|	|
137+15	0.0052	0.01	Q	|	|	|	|
137+20	0.0052	0.01	Q	|	|	|	|
137+25	0.0052	0.01	Q	|	|	|	|
137+30	0.0051	0.01	Q	|	|	|	|
137+35	0.0051	0.01	Q	|	|	|	|
137+40	0.0050	0.00	Q	|	|	|	|
137+45	0.0050	0.00	Q	|	|	|	|
137+50	0.0050	0.00	Q	|	|	|	|
137+55	0.0049	0.00	Q	|	|	|	|
138+ 0	0.0049	0.00	Q	|	|	|	|
138+ 5	0.0049	0.00	Q	|	|	|	|
138+10	0.0048	0.00	Q	|	|	|	|
138+15	0.0048	0.00	Q	|	|	|	|
138+20	0.0048	0.00	Q	|	|	|	|
138+25	0.0047	0.00	Q	|	|	|	|
138+30	0.0047	0.00	Q	|	|	|	|
138+35	0.0047	0.00	Q	|	|	|	|
138+40	0.0046	0.00	Q	|	|	|	|
138+45	0.0046	0.00	Q	|	|	|	|
138+50	0.0046	0.00	Q	|	|	|	|
138+55	0.0045	0.00	Q	|	|	|	|
139+ 0	0.0045	0.00	Q	|	|	|	|
139+ 5	0.0045	0.00	Q	|	|	|	|
139+10	0.0044	0.00	Q	|	|	|	|
139+15	0.0044	0.00	Q	|	|	|	|
139+20	0.0044	0.00	Q	|	|	|	|
139+25	0.0043	0.00	Q	|	|	|	|
139+30	0.0043	0.00	Q	|	|	|	|
139+35	0.0043	0.00	Q	|	|	|	|
139+40	0.0042	0.00	Q	|	|	|	|
139+45	0.0042	0.00	Q	|	|	|	|
139+50	0.0042	0.00	Q	|	|	|	|
139+55	0.0041	0.00	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 1875
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 17.486 (CFS)
Total volume = 11.272 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 3.200 to Point/Station 3.300

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

**********HYDROGRAPH INFORMATION**********

From study/file name: MESAP3B3100.rte

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P R I N T O F S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	8.3	16.6	24.9	33.2
0+ 5	0.1418	0.14	Q	|	|	|	|
0+10	0.8245	0.84	qQ	|	|	|	|
0+15	1.0745	1.13	|Q	|	|	|	|
0+20	1.1248	1.25	|Q	|	|	|	|
0+25	1.3415	1.55	|Q	|	|	|	|
0+30	1.5757	1.88	|qQ	|	|	|	|
0+35	2.1943	2.60	| qQ	|	|	|	|
0+40	1.9228	2.41	| Q	|	|	|	|
0+45	2.4897	3.04	| qQ	|	|	|	|
0+50	2.5633	3.18	| Q	|	|	|	|
0+55	1.9572	2.64	| qQ	|	|	|	|
1+ 0	2.0293	2.77	| qQ	|	|	|	|
1+ 5	2.7498	3.55	| qQ	|	|	|	|
1+10	3.9940	4.85	| qQ	|	|	|	|
1+15	4.5036	5.41	| qQ	|	|	|	|
1+20	4.5993	5.56	| qQ	|	|	|	|
1+25	4.4830	5.49	| qQ	|	|	|	|
1+30	5.9354	6.99	| qQ	|	|	|	|
1+35	6.5933	7.70	| q Q|	|	|	|	|
1+40	6.3037	7.46	| qQ	|	|	|	|
1+45	7.2482	8.45	| q Q	|	|	|	|
1+50	8.9460	10.19	| q Q	|	|	|	|
1+55	9.0324	10.32	| q Q	|	|	|	|
2+ 0	8.6666	10.00	| q Q	|	|	|	|
2+ 5	8.8103	10.19	| q Q	|	|	|	|
2+10	9.6910	11.11	| q Q	|	|	|	|
2+15	13.1409	14.60	| q Q	|	|	|	|
2+20	15.6317	17.14	| q Q	|	|	|	|
2+25	14.8142	16.37	| q Q|	|	|	|	|
2+30	22.7371	24.34	|	|	|	q Q|	|
2+35	27.5634	29.22	|	|	|	| q Q	|

2+40	30.4182	33.22	q Q
2+45	23.9876	30.13	q Q
2+50	11.8732	21.89	q Q
2+55	6.5494	19.76	q Q
3+ 0	4.1315	19.55	q Q
3+ 5	1.9542	18.74	q Q
3+10	0.8442	18.27	q Q
3+15	0.3293	17.82	q Q
3+20	0.0929	17.25	q Q
3+25	0.0394	16.64	q Q
3+30	0.0177	15.95	q Q
3+35	0.0029	15.22	q Q
3+40	0.0000	14.49	q Q
3+45	0.0000	13.77	q Q
3+50	0.0000	13.08	q Q
3+55	0.0000	12.42	q Q
4+ 0	0.0000	11.78	q Q
4+ 5	0.0000	11.17	q Q
4+10	0.0000	10.60	q Q
4+15	0.0000	10.06	q Q
4+20	0.0000	9.54	q Q
4+25	0.0000	9.06	q Q
4+30	0.0000	8.60	q Q
4+35	0.0000	8.16	q Q
4+40	0.0000	7.75	q Q
4+45	0.0000	7.35	q Q
4+50	0.0000	6.98	q Q
4+55	0.0000	6.63	q Q
5+ 0	0.0000	6.29	q Q
5+ 5	0.0000	5.97	q Q
5+10	0.0000	5.67	q Q
5+15	0.0000	5.38	q Q
5+20	0.0000	5.11	q Q
5+25	0.0000	4.85	q Q
5+30	0.0000	4.60	q Q
5+35	0.0000	4.37	q Q
5+40	0.0000	4.15	q Q
5+45	0.0000	3.93	q Q
5+50	0.0000	3.74	q Q
5+55	0.0000	3.55	q Q
6+ 0	0.0000	3.37	q Q
6+ 5	0.0000	3.19	q Q
6+10	0.0000	3.03	q Q
6+15	0.0000	2.88	q Q
6+20	0.0000	2.73	q Q
6+25	0.0000	2.59	q Q
6+30	0.0000	2.46	q Q
6+35	0.0000	2.34	q Q
6+40	0.0000	2.22	q Q
6+45	0.0000	2.11	q Q
6+50	0.0000	2.00	q Q
6+55	0.0000	1.91	q Q
7+ 0	0.0000	1.85	q Q
7+ 5	0.0000	1.81	q Q
7+10	0.0000	1.79	q Q
7+15	0.0000	1.78	q Q
7+20	0.0000	1.77	q Q
7+25	0.0000	1.77	q Q
7+30	0.0000	1.77	q Q
7+35	0.0000	1.77	q Q
7+40	0.0000	1.76	q Q
7+45	0.0000	1.76	q Q
7+50	0.0000	1.76	q Q
7+55	0.0000	1.76	q Q
8+ 0	0.0000	1.76	q Q
8+ 5	0.0000	1.76	q Q
8+10	0.0000	1.76	q Q
8+15	0.0000	1.76	q Q
8+20	0.0000	1.76	q Q
8+25	0.0000	1.75	q Q
8+30	0.0000	1.75	q Q
8+35	0.0000	1.75	q Q
8+40	0.0000	1.75	q Q
8+45	0.0000	1.75	q Q
8+50	0.0000	1.75	q Q
8+55	0.0000	1.75	q Q
9+ 0	0.0000	1.75	q Q
9+ 5	0.0000	1.75	q Q
9+10	0.0000	1.75	q Q
9+15	0.0000	1.75	q Q
9+20	0.0000	1.74	q Q
9+25	0.0000	1.74	q Q
9+30	0.0000	1.74	q Q
9+35	0.0000	1.74	q Q
9+40	0.0000	1.74	q Q
9+45	0.0000	1.74	q Q
9+50	0.0000	1.74	q Q
9+55	0.0000	1.74	q Q
10+ 0	0.0000	1.74	q Q
10+ 5	0.0000	1.74	q Q
10+10	0.0000	1.73	q Q
10+15	0.0000	1.73	q Q
10+20	0.0000	1.73	q Q
10+25	0.0000	1.73	q Q
10+30	0.0000	1.73	q Q
10+35	0.0000	1.73	q Q
10+40	0.0000	1.73	q Q
10+45	0.0000	1.73	q Q
10+50	0.0000	1.73	q Q
10+55	0.0000	1.73	q Q
11+ 0	0.0000	1.73	q Q
11+ 5	0.0000	1.72	q Q
11+10	0.0000	1.72	q Q
11+15	0.0000	1.72	q Q
11+20	0.0000	1.72	q Q
11+25	0.0000	1.72	q Q
11+30	0.0000	1.72	q Q
11+35	0.0000	1.72	q Q
11+40	0.0000	1.72	q Q
11+45	0.0000	1.72	q Q
11+50	0.0000	1.72	q Q
11+55	0.0000	1.72	q Q
12+ 0	0.0000	1.71	q Q
12+ 5	0.0000	1.71	q Q
12+10	0.0000	1.71	q Q
12+15	0.0000	1.71	q Q
12+20	0.0000	1.71	q Q
12+25	0.0000	1.71	q Q
12+30	0.0000	1.71	q Q
12+35	0.0000	1.71	q Q
12+40	0.0000	1.71	q Q
12+45	0.0000	1.71	q Q

12+50	0.0000	1.71	q Q				
12+55	0.0000	1.70	q Q				
13+ 0	0.0000	1.70	q Q				
13+ 5	0.0000	1.70	q Q				
13+10	0.0000	1.70	q Q				
13+15	0.0000	1.70	q Q				
13+20	0.0000	1.70	q Q				
13+25	0.0000	1.70	q Q				
13+30	0.0000	1.70	q Q				
13+35	0.0000	1.70	q Q				
13+40	0.0000	1.70	q Q				
13+45	0.0000	1.70	q Q				
13+50	0.0000	1.69	q Q				
13+55	0.0000	1.69	q Q				
14+ 0	0.0000	1.69	q Q				
14+ 5	0.0000	1.69	q Q				
14+10	0.0000	1.69	q Q				
14+15	0.0000	1.69	q Q				
14+20	0.0000	1.69	q Q				
14+25	0.0000	1.69	q Q				
14+30	0.0000	1.69	q Q				
14+35	0.0000	1.69	q Q				
14+40	0.0000	1.69	q Q				
14+45	0.0000	1.68	q Q				
14+50	0.0000	1.68	q Q				
14+55	0.0000	1.68	q Q				
15+ 0	0.0000	1.68	q Q				
15+ 5	0.0000	1.68	q Q				
15+10	0.0000	1.68	q Q				
15+15	0.0000	1.68	q Q				
15+20	0.0000	1.68	q Q				
15+25	0.0000	1.68	q Q				
15+30	0.0000	1.67	q Q				
15+35	0.0000	1.67	q Q				
15+40	0.0000	1.67	q Q				
15+45	0.0000	1.67	q Q				
15+50	0.0000	1.67	q Q				
15+55	0.0000	1.67	q Q				
16+ 0	0.0000	1.67	q Q				
16+ 5	0.0000	1.67	q Q				
16+10	0.0000	1.67	q Q				
16+15	0.0000	1.66	q Q				
16+20	0.0000	1.66	q Q				
16+25	0.0000	1.66	q Q				
16+30	0.0000	1.66	q Q				
16+35	0.0000	1.66	qQ				
16+40	0.0000	1.66	qQ				
16+45	0.0000	1.66	qQ				
16+50	0.0000	1.66	qQ				
16+55	0.0000	1.66	qQ				
17+ 0	0.0000	1.66	qQ				
17+ 5	0.0000	1.65	qQ				
17+10	0.0000	1.65	qQ				
17+15	0.0000	1.65	qQ				
17+20	0.0000	1.65	qQ				
17+25	0.0000	1.65	qQ				
17+30	0.0000	1.65	qQ				
17+35	0.0000	1.65	qQ				
17+40	0.0000	1.65	qQ				
17+45	0.0000	1.65	qQ				
17+50	0.0000	1.64	qQ				
17+55	0.0000	1.64	qQ				
18+ 0	0.0000	1.64	qQ				
18+ 5	0.0000	1.64	qQ				
18+10	0.0000	1.64	qQ				
18+15	0.0000	1.64	qQ				
18+20	0.0000	1.64	qQ				
18+25	0.0000	1.64	qQ				
18+30	0.0000	1.64	qQ				
18+35	0.0000	1.64	qQ				
18+40	0.0000	1.63	qQ				
18+45	0.0000	1.63	qQ				
18+50	0.0000	1.63	qQ				
18+55	0.0000	1.63	qQ				
19+ 0	0.0000	1.63	qQ				
19+ 5	0.0000	1.63	qQ				
19+10	0.0000	1.63	qQ				
19+15	0.0000	1.63	qQ				
19+20	0.0000	1.63	qQ				
19+25	0.0000	1.63	qQ				
19+30	0.0000	1.62	qQ				
19+35	0.0000	1.62	qQ				
19+40	0.0000	1.62	qQ				
19+45	0.0000	1.62	qQ				
19+50	0.0000	1.62	qQ				
19+55	0.0000	1.62	qQ				
20+ 0	0.0000	1.62	qQ				
20+ 5	0.0000	1.62	qQ				
20+10	0.0000	1.62	qQ				
20+15	0.0000	1.61	qQ				
20+20	0.0000	1.61	qQ				
20+25	0.0000	1.61	qQ				
20+30	0.0000	1.61	qQ				
20+35	0.0000	1.61	qQ				
20+40	0.0000	1.61	qQ				
20+45	0.0000	1.61	qQ				
20+50	0.0000	1.61	qQ				
20+55	0.0000	1.61	qQ				
21+ 0	0.0000	1.61	qQ				
21+ 5	0.0000	1.60	qQ				
21+10	0.0000	1.60	qQ				
21+15	0.0000	1.60	qQ				
21+20	0.0000	1.60	qQ				
21+25	0.0000	1.60	qQ				
21+30	0.0000	1.60	qQ				
21+35	0.0000	1.60	qQ				
21+40	0.0000	1.60	qQ				
21+45	0.0000	1.60	qQ				
21+50	0.0000	1.59	qQ				
21+55	0.0000	1.59	qQ				
22+ 0	0.0000	1.59	qQ				
22+ 5	0.0000	1.59	qQ				
22+10	0.0000	1.59	qQ				
22+15	0.0000	1.59	qQ				
22+20	0.0000	1.59	qQ				
22+25	0.0000	1.59	qQ				
22+30	0.0000	1.59	qQ				
22+35	0.0000	1.58	qQ				
22+40	0.0000	1.58	qQ				
22+45	0.0000	1.58	qQ				
22+50	0.0000	1.58	qQ				
22+55	0.0000	1.58	qQ				

23+ 0	0.0000	1.58	qQ					28+ 5	0.0000	1.51	qQ				
23+ 5	0.0000	1.58	qQ					28+10	0.0000	1.51	qQ				
23+10	0.0000	1.58	qQ					28+15	0.0000	1.51	qQ				
23+15	0.0000	1.57	qQ					28+20	0.0000	1.51	qQ				
23+20	0.0000	1.57	qQ					28+25	0.0000	1.50	qQ				
23+25	0.0000	1.57	qQ					28+30	0.0000	1.50	qQ				
23+30	0.0000	1.57	qQ					28+35	0.0000	1.50	qQ				
23+35	0.0000	1.57	qQ					28+40	0.0000	1.50	qQ				
23+40	0.0000	1.57	qQ					28+45	0.0000	1.50	qQ				
23+45	0.0000	1.57	qQ					28+50	0.0000	1.50	qQ				
23+50	0.0000	1.57	qQ					28+55	0.0000	1.50	qQ				
23+55	0.0000	1.57	qQ					29+ 0	0.0000	1.50	qQ				
24+ 0	0.0000	1.56	qQ					29+ 5	0.0000	1.50	qQ				
24+ 5	0.0000	1.56	qQ					29+10	0.0000	1.49	qQ				
24+10	0.0000	1.56	qQ					29+15	0.0000	1.49	qQ				
24+15	0.0000	1.56	qQ					29+20	0.0000	1.49	qQ				
24+20	0.0000	1.56	qQ					29+25	0.0000	1.49	qQ				
24+25	0.0000	1.56	qQ					29+30	0.0000	1.49	qQ				
24+30	0.0000	1.56	qQ					29+35	0.0000	1.49	qQ				
24+35	0.0000	1.56	qQ					29+40	0.0000	1.49	qQ				
24+40	0.0000	1.56	qQ					29+45	0.0000	1.49	qQ				
24+45	0.0000	1.55	qQ					29+50	0.0000	1.49	qQ				
24+50	0.0000	1.55	qQ					29+55	0.0000	1.48	qQ				
24+55	0.0000	1.55	qQ					30+ 0	0.0000	1.48	qQ				
25+ 0	0.0000	1.55	qQ					30+ 5	0.0000	1.48	qQ				
25+ 5	0.0000	1.55	qQ					30+10	0.0000	1.48	qQ				
25+10	0.0000	1.55	qQ					30+15	0.0000	1.48	qQ				
25+15	0.0000	1.55	qQ					30+20	0.0000	1.48	qQ				
25+20	0.0000	1.55	qQ					30+25	0.0000	1.48	qQ				
25+25	0.0000	1.55	qQ					30+30	0.0000	1.48	qQ				
25+30	0.0000	1.54	qQ					30+35	0.0000	1.48	qQ				
25+35	0.0000	1.54	qQ					30+40	0.0000	1.47	qQ				
25+40	0.0000	1.54	qQ					30+45	0.0000	1.47	qQ				
25+45	0.0000	1.54	qQ					30+50	0.0000	1.47	qQ				
25+50	0.0000	1.54	qQ					30+55	0.0000	1.47	qQ				
25+55	0.0000	1.54	qQ					31+ 0	0.0000	1.47	qQ				
26+ 0	0.0000	1.54	qQ					31+ 5	0.0000	1.47	qQ				
26+ 5	0.0000	1.54	qQ					31+10	0.0000	1.47	qQ				
26+10	0.0000	1.53	qQ					31+15	0.0000	1.47	qQ				
26+15	0.0000	1.53	qQ					31+20	0.0000	1.47	qQ				
26+20	0.0000	1.53	qQ					31+25	0.0000	1.47	qQ				
26+25	0.0000	1.53	qQ					31+30	0.0000	1.46	qQ				
26+30	0.0000	1.53	qQ					31+35	0.0000	1.46	qQ				
26+35	0.0000	1.53	qQ					31+40	0.0000	1.46	qQ				
26+40	0.0000	1.53	qQ					31+45	0.0000	1.46	qQ				
26+45	0.0000	1.53	qQ					31+50	0.0000	1.46	qQ				
26+50	0.0000	1.53	qQ					31+55	0.0000	1.46	qQ				
26+55	0.0000	1.52	qQ					32+ 0	0.0000	1.46	qQ				
27+ 0	0.0000	1.52	qQ					32+ 5	0.0000	1.46	qQ				
27+ 5	0.0000	1.52	qQ					32+10	0.0000	1.46	qQ				
27+10	0.0000	1.52	qQ					32+15	0.0000	1.45	qQ				
27+15	0.0000	1.52	qQ					32+20	0.0000	1.45	qQ				
27+20	0.0000	1.52	qQ					32+25	0.0000	1.45	qQ				
27+25	0.0000	1.52	qQ					32+30	0.0000	1.45	qQ				
27+30	0.0000	1.52	qQ					32+35	0.0000	1.45	qQ				
27+35	0.0000	1.52	qQ					32+40	0.0000	1.45	qQ				
27+40	0.0000	1.51	qQ					32+45	0.0000	1.45	qQ				
27+45	0.0000	1.51	qQ					32+50	0.0000	1.45	qQ				
27+50	0.0000	1.51	qQ					32+55	0.0000	1.45	qQ				
27+55	0.0000	1.51	qQ					33+ 0	0.0000	1.44	qQ				
28+ 0	0.0000	1.51	qQ					33+ 5	0.0000	1.44	qQ				

33+10	0.0000	1.44	qQ					38+15	0.0000	1.37	qQ				
33+15	0.0000	1.44	qQ					38+20	0.0000	1.37	qQ				
33+20	0.0000	1.44	qQ					38+25	0.0000	1.37	qQ				
33+25	0.0000	1.44	qQ					38+30	0.0000	1.37	qQ				
33+30	0.0000	1.44	qQ					38+35	0.0000	1.36	qQ				
33+35	0.0000	1.44	qQ					38+40	0.0000	1.36	qQ				
33+40	0.0000	1.44	qQ					38+45	0.0000	1.36	qQ				
33+45	0.0000	1.44	qQ					38+50	0.0000	1.36	qQ				
33+50	0.0000	1.43	qQ					38+55	0.0000	1.36	qQ				
33+55	0.0000	1.43	qQ					39+ 0	0.0000	1.36	qQ				
34+ 0	0.0000	1.43	qQ					39+ 5	0.0000	1.36	qQ				
34+ 5	0.0000	1.43	qQ					39+10	0.0000	1.36	qQ				
34+10	0.0000	1.43	qQ					39+15	0.0000	1.35	qQ				
34+15	0.0000	1.43	qQ					39+20	0.0000	1.35	qQ				
34+20	0.0000	1.43	qQ					39+25	0.0000	1.35	qQ				
34+25	0.0000	1.43	qQ					39+30	0.0000	1.35	qQ				
34+30	0.0000	1.43	qQ					39+35	0.0000	1.35	qQ				
34+35	0.0000	1.42	qQ					39+40	0.0000	1.35	qQ				
34+40	0.0000	1.42	qQ					39+45	0.0000	1.35	qQ				
34+45	0.0000	1.42	qQ					39+50	0.0000	1.35	qQ				
34+50	0.0000	1.42	qQ					39+55	0.0000	1.34	qQ				
34+55	0.0000	1.42	qQ					40+ 0	0.0000	1.34	qQ				
35+ 0	0.0000	1.42	qQ					40+ 5	0.0000	1.34	qQ				
35+ 5	0.0000	1.42	qQ					40+10	0.0000	1.34	qQ				
35+10	0.0000	1.42	qQ					40+15	0.0000	1.34	qQ				
35+15	0.0000	1.42	qQ					40+20	0.0000	1.34	qQ				
35+20	0.0000	1.42	qQ					40+25	0.0000	1.34	qQ				
35+25	0.0000	1.41	qQ					40+30	0.0000	1.34	qQ				
35+30	0.0000	1.41	qQ					40+35	0.0000	1.33	qQ				
35+35	0.0000	1.41	qQ					40+40	0.0000	1.33	qQ				
35+40	0.0000	1.41	qQ					40+45	0.0000	1.33	qQ				
35+45	0.0000	1.41	qQ					40+50	0.0000	1.33	qQ				
35+50	0.0000	1.41	qQ					40+55	0.0000	1.33	qQ				
35+55	0.0000	1.41	qQ					41+ 0	0.0000	1.33	qQ				
36+ 0	0.0000	1.41	qQ					41+ 5	0.0000	1.33	qQ				
36+ 5	0.0000	1.40	qQ					41+10	0.0000	1.33	qQ				
36+10	0.0000	1.40	qQ					41+15	0.0000	1.32	qQ				
36+15	0.0000	1.40	qQ					41+20	0.0000	1.32	qQ				
36+20	0.0000	1.40	qQ					41+25	0.0000	1.32	qQ				
36+25	0.0000	1.40	qQ					41+30	0.0000	1.32	qQ				
36+30	0.0000	1.40	qQ					41+35	0.0000	1.32	qQ				
36+35	0.0000	1.40	qQ					41+40	0.0000	1.32	qQ				
36+40	0.0000	1.40	qQ					41+45	0.0000	1.32	qQ				
36+45	0.0000	1.39	qQ					41+50	0.0000	1.32	qQ				
36+50	0.0000	1.39	qQ					41+55	0.0000	1.31	qQ				
36+55	0.0000	1.39	qQ					42+ 0	0.0000	1.31	qQ				
37+ 0	0.0000	1.39	qQ					42+ 5	0.0000	1.31	qQ				
37+ 5	0.0000	1.39	qQ					42+10	0.0000	1.31	qQ				
37+10	0.0000	1.39	qQ					42+15	0.0000	1.31	qQ				
37+15	0.0000	1.39	qQ					42+20	0.0000	1.31	qQ				
37+20	0.0000	1.38	qQ					42+25	0.0000	1.31	qQ				
37+25	0.0000	1.38	qQ					42+30	0.0000	1.31	qQ				
37+30	0.0000	1.38	qQ					42+35	0.0000	1.30	qQ				
37+35	0.0000	1.38	qQ					42+40	0.0000	1.30	qQ				
37+40	0.0000	1.38	qQ					42+45	0.0000	1.30	qQ				
37+45	0.0000	1.38	qQ					42+50	0.0000	1.30	qQ				
37+50	0.0000	1.38	qQ					42+55	0.0000	1.30	qQ				
37+55	0.0000	1.38	qQ					43+ 0	0.0000	1.30	qQ				
38+ 0	0.0000	1.37	qQ					43+ 5	0.0000	1.30	qQ				
38+ 5	0.0000	1.37	qQ					43+10	0.0000	1.30	qQ				
38+10	0.0000	1.37	qQ					43+15	0.0000	1.29	qQ				

43+20	0.0000	1.29	qQ					48+25	0.0000	1.21	qQ				
43+25	0.0000	1.29	qQ					48+30	0.0000	1.21	qQ				
43+30	0.0000	1.29	qQ					48+35	0.0000	1.21	qQ				
43+35	0.0000	1.29	qQ					48+40	0.0000	1.21	qQ				
43+40	0.0000	1.29	qQ					48+45	0.0000	1.21	qQ				
43+45	0.0000	1.29	qQ					48+50	0.0000	1.21	qQ				
43+50	0.0000	1.28	qQ					48+55	0.0000	1.21	qQ				
43+55	0.0000	1.28	qQ					49+ 0	0.0000	1.21	qQ				
44+ 0	0.0000	1.28	qQ					49+ 5	0.0000	1.20	qQ				
44+ 5	0.0000	1.28	qQ					49+10	0.0000	1.20	qQ				
44+10	0.0000	1.28	qQ					49+15	0.0000	1.20	qQ				
44+15	0.0000	1.28	qQ					49+20	0.0000	1.20	qQ				
44+20	0.0000	1.28	qQ					49+25	0.0000	1.20	qQ				
44+25	0.0000	1.28	qQ					49+30	0.0000	1.20	qQ				
44+30	0.0000	1.27	qQ					49+35	0.0000	1.20	qQ				
44+35	0.0000	1.27	qQ					49+40	0.0000	1.20	qQ				
44+40	0.0000	1.27	qQ					49+45	0.0000	1.19	qQ				
44+45	0.0000	1.27	qQ					49+50	0.0000	1.19	qQ				
44+50	0.0000	1.27	qQ					49+55	0.0000	1.19	qQ				
44+55	0.0000	1.27	qQ					50+ 0	0.0000	1.19	qQ				
45+ 0	0.0000	1.27	qQ					50+ 5	0.0000	1.19	qQ				
45+ 5	0.0000	1.27	qQ					50+10	0.0000	1.19	qQ				
45+10	0.0000	1.26	qQ					50+15	0.0000	1.19	qQ				
45+15	0.0000	1.26	qQ					50+20	0.0000	1.18	qQ				
45+20	0.0000	1.26	qQ					50+25	0.0000	1.18	qQ				
45+25	0.0000	1.26	qQ					50+30	0.0000	1.18	qQ				
45+30	0.0000	1.26	qQ					50+35	0.0000	1.18	qQ				
45+35	0.0000	1.26	qQ					50+40	0.0000	1.18	qQ				
45+40	0.0000	1.26	qQ					50+45	0.0000	1.18	qQ				
45+45	0.0000	1.25	qQ					50+50	0.0000	1.17	qQ				
45+50	0.0000	1.25	qQ					50+55	0.0000	1.17	qQ				
45+55	0.0000	1.25	qQ					51+ 0	0.0000	1.17	qQ				
46+ 0	0.0000	1.25	qQ					51+ 5	0.0000	1.17	qQ				
46+ 5	0.0000	1.25	qQ					51+10	0.0000	1.17	qQ				
46+10	0.0000	1.25	qQ					51+15	0.0000	1.17	qQ				
46+15	0.0000	1.25	qQ					51+20	0.0000	1.16	qQ				
46+20	0.0000	1.25	qQ					51+25	0.0000	1.16	qQ				
46+25	0.0000	1.24	qQ					51+30	0.0000	1.16	qQ				
46+30	0.0000	1.24	qQ					51+35	0.0000	1.16	qQ				
46+35	0.0000	1.24	qQ					51+40	0.0000	1.16	qQ				
46+40	0.0000	1.24	qQ					51+45	0.0000	1.16	qQ				
46+45	0.0000	1.24	qQ					51+50	0.0000	1.15	qQ				
46+50	0.0000	1.24	qQ					51+55	0.0000	1.15	qQ				
46+55	0.0000	1.24	qQ					52+ 0	0.0000	1.15	qQ				
47+ 0	0.0000	1.24	qQ					52+ 5	0.0000	1.15	qQ				
47+ 5	0.0000	1.23	qQ					52+10	0.0000	1.15	qQ				
47+10	0.0000	1.23	qQ					52+15	0.0000	1.15	qQ				
47+15	0.0000	1.23	qQ					52+20	0.0000	1.14	qQ				
47+20	0.0000	1.23	qQ					52+25	0.0000	1.14	qQ				
47+25	0.0000	1.23	qQ					52+30	0.0000	1.14	qQ				
47+30	0.0000	1.23	qQ					52+35	0.0000	1.14	qQ				
47+35	0.0000	1.23	qQ					52+40	0.0000	1.14	qQ				
47+40	0.0000	1.23	qQ					52+45	0.0000	1.14	qQ				
47+45	0.0000	1.22	qQ					52+50	0.0000	1.13	qQ				
47+50	0.0000	1.22	qQ					52+55	0.0000	1.13	qQ				
47+55	0.0000	1.22	qQ					53+ 0	0.0000	1.13	qQ				
48+ 0	0.0000	1.22	qQ					53+ 5	0.0000	1.13	qQ				
48+ 5	0.0000	1.22	qQ					53+10	0.0000	1.13	qQ				
48+10	0.0000	1.22	qQ					53+15	0.0000	1.13	qQ				
48+15	0.0000	1.22	qQ					53+20	0.0000	1.12	qQ				
48+20	0.0000	1.22	qQ					53+25	0.0000	1.12	qQ				

53+30	0.0000	1.12	qQ					58+35	0.0000	1.02	qQ				
53+35	0.0000	1.12	qQ					58+40	0.0000	1.02	qQ				
53+40	0.0000	1.12	qQ					58+45	0.0000	1.02	qQ				
53+45	0.0000	1.12	qQ					58+50	0.0000	1.02	qQ				
53+50	0.0000	1.11	qQ					58+55	0.0000	1.02	qQ				
53+55	0.0000	1.11	qQ					59+ 0	0.0000	1.02	qQ				
54+ 0	0.0000	1.11	qQ					59+ 5	0.0000	1.02	qQ				
54+ 5	0.0000	1.11	qQ					59+10	0.0000	1.01	qQ				
54+10	0.0000	1.11	qQ					59+15	0.0000	1.01	qQ				
54+15	0.0000	1.11	qQ					59+20	0.0000	1.01	qQ				
54+20	0.0000	1.10	qQ					59+25	0.0000	1.01	qQ				
54+25	0.0000	1.10	qQ					59+30	0.0000	1.01	qQ				
54+30	0.0000	1.10	qQ					59+35	0.0000	1.01	qQ				
54+35	0.0000	1.10	qQ					59+40	0.0000	1.01	qQ				
54+40	0.0000	1.10	qQ					59+45	0.0000	1.00	qQ				
54+45	0.0000	1.10	qQ					59+50	0.0000	1.00	qQ				
54+50	0.0000	1.09	qQ					59+55	0.0000	1.00	qQ				
54+55	0.0000	1.09	qQ					60+ 0	0.0000	1.00	qQ				
55+ 0	0.0000	1.09	qQ					60+ 5	0.0000	1.00	qQ				
55+ 5	0.0000	1.09	qQ					60+10	0.0000	1.00	qQ				
55+10	0.0000	1.09	qQ					60+15	0.0000	0.99	qQ				
55+15	0.0000	1.09	qQ					60+20	0.0000	0.99	qQ				
55+20	0.0000	1.08	qQ					60+25	0.0000	0.99	qQ				
55+25	0.0000	1.08	qQ					60+30	0.0000	0.99	qQ				
55+30	0.0000	1.08	qQ					60+35	0.0000	0.99	qQ				
55+35	0.0000	1.08	qQ					60+40	0.0000	0.99	qQ				
55+40	0.0000	1.08	qQ					60+45	0.0000	0.99	qQ				
55+45	0.0000	1.08	qQ					60+50	0.0000	0.98	qQ				
55+50	0.0000	1.08	qQ					60+55	0.0000	0.98	qQ				
55+55	0.0000	1.07	qQ					61+ 0	0.0000	0.98	qQ				
56+ 0	0.0000	1.07	qQ					61+ 5	0.0000	0.98	qQ				
56+ 5	0.0000	1.07	qQ					61+10	0.0000	0.98	qQ				
56+10	0.0000	1.07	qQ					61+15	0.0000	0.98	qQ				
56+15	0.0000	1.07	qQ					61+20	0.0000	0.98	qQ				
56+20	0.0000	1.07	qQ					61+25	0.0000	0.97	qQ				
56+25	0.0000	1.06	qQ					61+30	0.0000	0.97	qQ				
56+30	0.0000	1.06	qQ					61+35	0.0000	0.97	qQ				
56+35	0.0000	1.06	qQ					61+40	0.0000	0.97	qQ				
56+40	0.0000	1.06	qQ					61+45	0.0000	0.97	qQ				
56+45	0.0000	1.06	qQ					61+50	0.0000	0.97	qQ				
56+50	0.0000	1.06	qQ					61+55	0.0000	0.97	qQ				
56+55	0.0000	1.06	qQ					62+ 0	0.0000	0.96	qQ				
57+ 0	0.0000	1.05	qQ					62+ 5	0.0000	0.96	qQ				
57+ 5	0.0000	1.05	qQ					62+10	0.0000	0.96	qQ				
57+10	0.0000	1.05	qQ					62+15	0.0000	0.96	qQ				
57+15	0.0000	1.05	qQ					62+20	0.0000	0.96	qQ				
57+20	0.0000	1.05	qQ					62+25	0.0000	0.96	qQ				
57+25	0.0000	1.05	qQ					62+30	0.0000	0.96	qQ				
57+30	0.0000	1.04	qQ					62+35	0.0000	0.95	qQ				
57+35	0.0000	1.04	qQ					62+40	0.0000	0.95	qQ				
57+40	0.0000	1.04	qQ					62+45	0.0000	0.95	qQ				
57+45	0.0000	1.04	qQ					62+50	0.0000	0.95	qQ				
57+50	0.0000	1.04	qQ					62+55	0.0000	0.95	qQ				
57+55	0.0000	1.04	qQ					63+ 0	0.0000	0.95	qQ				
58+ 0	0.0000	1.04	qQ					63+ 5	0.0000	0.95	qQ				
58+ 5	0.0000	1.03	qQ					63+10	0.0000	0.95	qQ				
58+10	0.0000	1.03	qQ					63+15	0.0000	0.94	qQ				
58+15	0.0000	1.03	qQ					63+20	0.0000	0.94	qQ				
58+20	0.0000	1.03	qQ					63+25	0.0000	0.94	qQ				
58+25	0.0000	1.03	qQ					63+30	0.0000	0.94	qQ				
58+30	0.0000	1.03	qQ					63+35	0.0000	0.94	qQ				

63+40	0.0000	0.94	qQ				
63+45	0.0000	0.94	qQ				
63+50	0.0000	0.93	qQ				
63+55	0.0000	0.93	qQ				
64+ 0	0.0000	0.93	qQ				
64+ 5	0.0000	0.93	qQ				
64+10	0.0000	0.93	qQ				
64+15	0.0000	0.93	qQ				
64+20	0.0000	0.93	qQ				
64+25	0.0000	0.92	qQ				
64+30	0.0000	0.92	qQ				
64+35	0.0000	0.92	qQ				
64+40	0.0000	0.92	qQ				
64+45	0.0000	0.92	qQ				
64+50	0.0000	0.92	qQ				
64+55	0.0000	0.92	qQ				
65+ 0	0.0000	0.92	qQ				
65+ 5	0.0000	0.91	qQ				
65+10	0.0000	0.91	qQ				
65+15	0.0000	0.91	qQ				
65+20	0.0000	0.91	qQ				
65+25	0.0000	0.91	qQ				
65+30	0.0000	0.90	qQ				
65+35	0.0000	0.90	qQ				
65+40	0.0000	0.90	qQ				
65+45	0.0000	0.90	qQ				
65+50	0.0000	0.90	qQ				
65+55	0.0000	0.89	qQ				
66+ 0	0.0000	0.89	qQ				
66+ 5	0.0000	0.89	qQ				
66+10	0.0000	0.89	qQ				
66+15	0.0000	0.88	qQ				
66+20	0.0000	0.88	qQ				
66+25	0.0000	0.88	qQ				
66+30	0.0000	0.88	qQ				
66+35	0.0000	0.88	qQ				
66+40	0.0000	0.87	qQ				
66+45	0.0000	0.87	qQ				
66+50	0.0000	0.87	qQ				
66+55	0.0000	0.87	qQ				
67+ 0	0.0000	0.86	qQ				
67+ 5	0.0000	0.86	qQ				
67+10	0.0000	0.86	qQ				
67+15	0.0000	0.86	qQ				
67+20	0.0000	0.86	qQ				
67+25	0.0000	0.85	qQ				
67+30	0.0000	0.85	qQ				
67+35	0.0000	0.85	qQ				
67+40	0.0000	0.85	qQ				
67+45	0.0000	0.84	qQ				
67+50	0.0000	0.84	qQ				
67+55	0.0000	0.84	qQ				
68+ 0	0.0000	0.84	qQ				
68+ 5	0.0000	0.84	qQ				
68+10	0.0000	0.83	qQ				
68+15	0.0000	0.83	qQ				
68+20	0.0000	0.83	Q				
68+25	0.0000	0.83	Q				
68+30	0.0000	0.83	Q				
68+35	0.0000	0.82	Q				
68+40	0.0000	0.82	Q				
68+45	0.0000	0.82	Q				
68+50	0.0000	0.82	Q				
68+55	0.0000	0.82	Q				
69+ 0	0.0000	0.81	Q				
69+ 5	0.0000	0.81	Q				
69+10	0.0000	0.81	Q				
69+15	0.0000	0.81	Q				
69+20	0.0000	0.80	Q				
69+25	0.0000	0.80	Q				
69+30	0.0000	0.80	Q				
69+35	0.0000	0.80	Q				
69+40	0.0000	0.80	Q				
69+45	0.0000	0.79	Q				
69+50	0.0000	0.79	Q				
69+55	0.0000	0.79	Q				
70+ 0	0.0000	0.79	Q				
70+ 5	0.0000	0.79	Q				
70+10	0.0000	0.78	Q				
70+15	0.0000	0.78	Q				
70+20	0.0000	0.78	Q				
70+25	0.0000	0.78	Q				
70+30	0.0000	0.78	Q				
70+35	0.0000	0.77	Q				
70+40	0.0000	0.77	Q				
70+45	0.0000	0.77	Q				
70+50	0.0000	0.77	Q				
70+55	0.0000	0.77	Q				
71+ 0	0.0000	0.76	Q				
71+ 5	0.0000	0.76	Q				
71+10	0.0000	0.76	Q				
71+15	0.0000	0.76	Q				
71+20	0.0000	0.76	Q				
71+25	0.0000	0.75	Q				
71+30	0.0000	0.75	Q				
71+35	0.0000	0.75	Q				
71+40	0.0000	0.75	Q				
71+45	0.0000	0.75	Q				
71+50	0.0000	0.75	Q				
71+55	0.0000	0.74	Q				
72+ 0	0.0000	0.74	Q				
72+ 5	0.0000	0.74	Q				
72+10	0.0000	0.74	Q				
72+15	0.0000	0.74	Q				
72+20	0.0000	0.73	Q				
72+25	0.0000	0.73	Q				
72+30	0.0000	0.73	Q				
72+35	0.0000	0.73	Q				
72+40	0.0000	0.73	Q				
72+45	0.0000	0.72	Q				
72+50	0.0000	0.72	Q				
72+55	0.0000	0.72	Q				
73+ 0	0.0000	0.72	Q				
73+ 5	0.0000	0.72	Q				
73+10	0.0000	0.72	Q				
73+15	0.0000	0.71	Q				
73+20	0.0000	0.71	Q				
73+25	0.0000	0.71	Q				
73+30	0.0000	0.71	Q				
73+35	0.0000	0.71	Q				
73+40	0.0000	0.70	Q				
73+45	0.0000	0.70	Q				

73+50	0.0000	0.70	Q					78+55	0.0000	0.60	Q				
73+55	0.0000	0.70	Q					79+ 0	0.0000	0.60	Q				
74+ 0	0.0000	0.70	Q					79+ 5	0.0000	0.60	Q				
74+ 5	0.0000	0.70	Q					79+10	0.0000	0.59	Q				
74+10	0.0000	0.69	Q					79+15	0.0000	0.59	Q				
74+15	0.0000	0.69	Q					79+20	0.0000	0.59	Q				
74+20	0.0000	0.69	Q					79+25	0.0000	0.59	Q				
74+25	0.0000	0.69	Q					79+30	0.0000	0.59	Q				
74+30	0.0000	0.69	Q					79+35	0.0000	0.59	Q				
74+35	0.0000	0.68	Q					79+40	0.0000	0.59	Q				
74+40	0.0000	0.68	Q					79+45	0.0000	0.58	Q				
74+45	0.0000	0.68	Q					79+50	0.0000	0.58	Q				
74+50	0.0000	0.68	Q					79+55	0.0000	0.58	Q				
74+55	0.0000	0.68	Q					80+ 0	0.0000	0.58	Q				
75+ 0	0.0000	0.68	Q					80+ 5	0.0000	0.58	Q				
75+ 5	0.0000	0.67	Q					80+10	0.0000	0.58	Q				
75+10	0.0000	0.67	Q					80+15	0.0000	0.58	Q				
75+15	0.0000	0.67	Q					80+20	0.0000	0.57	Q				
75+20	0.0000	0.67	Q					80+25	0.0000	0.57	Q				
75+25	0.0000	0.67	Q					80+30	0.0000	0.57	Q				
75+30	0.0000	0.67	Q					80+35	0.0000	0.57	Q				
75+35	0.0000	0.66	Q					80+40	0.0000	0.57	Q				
75+40	0.0000	0.66	Q					80+45	0.0000	0.57	Q				
75+45	0.0000	0.66	Q					80+50	0.0000	0.57	Q				
75+50	0.0000	0.66	Q					80+55	0.0000	0.56	Q				
75+55	0.0000	0.66	Q					81+ 0	0.0000	0.56	Q				
76+ 0	0.0000	0.66	Q					81+ 5	0.0000	0.56	Q				
76+ 5	0.0000	0.65	Q					81+10	0.0000	0.56	Q				
76+10	0.0000	0.65	Q					81+15	0.0000	0.56	Q				
76+15	0.0000	0.65	Q					81+20	0.0000	0.56	Q				
76+20	0.0000	0.65	Q					81+25	0.0000	0.56	Q				
76+25	0.0000	0.65	Q					81+30	0.0000	0.55	Q				
76+30	0.0000	0.65	Q					81+35	0.0000	0.55	Q				
76+35	0.0000	0.64	Q					81+40	0.0000	0.55	Q				
76+40	0.0000	0.64	Q					81+45	0.0000	0.55	Q				
76+45	0.0000	0.64	Q					81+50	0.0000	0.55	Q				
76+50	0.0000	0.64	Q					81+55	0.0000	0.55	Q				
76+55	0.0000	0.64	Q					82+ 0	0.0000	0.55	Q				
77+ 0	0.0000	0.64	Q					82+ 5	0.0000	0.54	Q				
77+ 5	0.0000	0.63	Q					82+10	0.0000	0.54	Q				
77+10	0.0000	0.63	Q					82+15	0.0000	0.54	Q				
77+15	0.0000	0.63	Q					82+20	0.0000	0.54	Q				
77+20	0.0000	0.63	Q					82+25	0.0000	0.54	Q				
77+25	0.0000	0.63	Q					82+30	0.0000	0.54	Q				
77+30	0.0000	0.63	Q					82+35	0.0000	0.54	Q				
77+35	0.0000	0.62	Q					82+40	0.0000	0.53	Q				
77+40	0.0000	0.62	Q					82+45	0.0000	0.53	Q				
77+45	0.0000	0.62	Q					82+50	0.0000	0.53	Q				
77+50	0.0000	0.62	Q					82+55	0.0000	0.53	Q				
77+55	0.0000	0.62	Q					83+ 0	0.0000	0.53	Q				
78+ 0	0.0000	0.62	Q					83+ 5	0.0000	0.53	Q				
78+ 5	0.0000	0.61	Q					83+10	0.0000	0.53	Q				
78+10	0.0000	0.61	Q					83+15	0.0000	0.52	Q				
78+15	0.0000	0.61	Q					83+20	0.0000	0.52	Q				
78+20	0.0000	0.61	Q					83+25	0.0000	0.52	Q				
78+25	0.0000	0.61	Q					83+30	0.0000	0.52	Q				
78+30	0.0000	0.61	Q					83+35	0.0000	0.52	Q				
78+35	0.0000	0.61	Q					83+40	0.0000	0.52	Q				
78+40	0.0000	0.60	Q					83+45	0.0000	0.52	Q				
78+45	0.0000	0.60	Q					83+50	0.0000	0.52	Q				
78+50	0.0000	0.60	Q					83+55	0.0000	0.51	Q				

84+ 0	0.0000	0.51	Q					89+ 5	0.0000	0.35	Q				
84+ 5	0.0000	0.51	Q					89+10	0.0000	0.34	Q				
84+10	0.0000	0.51	Q					89+15	0.0000	0.34	Q				
84+15	0.0000	0.51	Q					89+20	0.0000	0.34	Q				
84+20	0.0000	0.51	Q					89+25	0.0000	0.34	Q				
84+25	0.0000	0.51	Q					89+30	0.0000	0.33	Q				
84+30	0.0000	0.50	Q					89+35	0.0000	0.33	Q				
84+35	0.0000	0.50	Q					89+40	0.0000	0.33	Q				
84+40	0.0000	0.50	Q					89+45	0.0000	0.33	Q				
84+45	0.0000	0.50	Q					89+50	0.0000	0.32	Q				
84+50	0.0000	0.50	Q					89+55	0.0000	0.32	Q				
84+55	0.0000	0.50	Q					90+ 0	0.0000	0.32	Q				
85+ 0	0.0000	0.49	Q					90+ 5	0.0000	0.32	Q				
85+ 5	0.0000	0.49	Q					90+10	0.0000	0.31	Q				
85+10	0.0000	0.49	Q					90+15	0.0000	0.31	Q				
85+15	0.0000	0.48	Q					90+20	0.0000	0.31	Q				
85+20	0.0000	0.48	Q					90+25	0.0000	0.31	Q				
85+25	0.0000	0.47	Q					90+30	0.0000	0.31	Q				
85+30	0.0000	0.47	Q					90+35	0.0000	0.30	Q				
85+35	0.0000	0.47	Q					90+40	0.0000	0.30	Q				
85+40	0.0000	0.46	Q					90+45	0.0000	0.30	Q				
85+45	0.0000	0.46	Q					90+50	0.0000	0.30	Q				
85+50	0.0000	0.46	Q					90+55	0.0000	0.29	Q				
85+55	0.0000	0.45	Q					91+ 0	0.0000	0.29	Q				
86+ 0	0.0000	0.45	Q					91+ 5	0.0000	0.29	Q				
86+ 5	0.0000	0.45	Q					91+10	0.0000	0.29	Q				
86+10	0.0000	0.44	Q					91+15	0.0000	0.29	Q				
86+15	0.0000	0.44	Q					91+20	0.0000	0.28	Q				
86+20	0.0000	0.44	Q					91+25	0.0000	0.28	Q				
86+25	0.0000	0.44	Q					91+30	0.0000	0.28	Q				
86+30	0.0000	0.43	Q					91+35	0.0000	0.28	Q				
86+35	0.0000	0.43	Q					91+40	0.0000	0.28	Q				
86+40	0.0000	0.43	Q					91+45	0.0000	0.27	Q				
86+45	0.0000	0.42	Q					91+50	0.0000	0.27	Q				
86+50	0.0000	0.42	Q					91+55	0.0000	0.27	Q				
86+55	0.0000	0.42	Q					92+ 0	0.0000	0.27	Q				
87+ 0	0.0000	0.41	Q					92+ 5	0.0000	0.27	Q				
87+ 5	0.0000	0.41	Q					92+10	0.0000	0.26	Q				
87+10	0.0000	0.41	Q					92+15	0.0000	0.26	Q				
87+15	0.0000	0.40	Q					92+20	0.0000	0.26	Q				
87+20	0.0000	0.40	Q					92+25	0.0000	0.26	Q				
87+25	0.0000	0.40	Q					92+30	0.0000	0.26	Q				
87+30	0.0000	0.40	Q					92+35	0.0000	0.25	Q				
87+35	0.0000	0.39	Q					92+40	0.0000	0.25	Q				
87+40	0.0000	0.39	Q					92+45	0.0000	0.25	Q				
87+45	0.0000	0.39	Q					92+50	0.0000	0.25	Q				
87+50	0.0000	0.38	Q					92+55	0.0000	0.25	Q				
87+55	0.0000	0.38	Q					93+ 0	0.0000	0.25	Q				
88+ 0	0.0000	0.38	Q					93+ 5	0.0000	0.24	Q				
88+ 5	0.0000	0.38	Q					93+10	0.0000	0.24	Q				
88+10	0.0000	0.37	Q					93+15	0.0000	0.24	Q				
88+15	0.0000	0.37	Q					93+20	0.0000	0.24	Q				
88+20	0.0000	0.37	Q					93+25	0.0000	0.24	Q				
88+25	0.0000	0.37	Q					93+30	0.0000	0.24	Q				
88+30	0.0000	0.36	Q					93+35	0.0000	0.23	Q				
88+35	0.0000	0.36	Q					93+40	0.0000	0.23	Q				
88+40	0.0000	0.36	Q					93+45	0.0000	0.23	Q				
88+45	0.0000	0.36	Q					93+50	0.0000	0.23	Q				
88+50	0.0000	0.35	Q					93+55	0.0000	0.23	Q				
88+55	0.0000	0.35	Q					94+ 0	0.0000	0.23	Q				
89+ 0	0.0000	0.35	Q					94+ 5	0.0000	0.22	Q				

94+10	0.0000	0.22	Q					99+15	0.0000	0.14	Q								
94+15	0.0000	0.22	Q					99+20	0.0000	0.14	Q								
94+20	0.0000	0.22	Q					99+25	0.0000	0.14	Q								
94+25	0.0000	0.22	Q					99+30	0.0000	0.14	Q								
94+30	0.0000	0.22	Q					99+35	0.0000	0.14	Q								
94+35	0.0000	0.21	Q					99+40	0.0000	0.14	Q								
94+40	0.0000	0.21	Q					99+45	0.0000	0.14	Q								
94+45	0.0000	0.21	Q					99+50	0.0000	0.14	Q								
94+50	0.0000	0.21	Q					99+55	0.0000	0.13	Q								
94+55	0.0000	0.21	Q					100+ 0	0.0000	0.13	Q								
95+ 0	0.0000	0.21	Q					100+ 5	0.0000	0.13	Q								
95+ 5	0.0000	0.20	Q					100+10	0.0000	0.13	Q								
95+10	0.0000	0.20	Q					100+15	0.0000	0.13	Q								
95+15	0.0000	0.20	Q					100+20	0.0000	0.13	Q								
95+20	0.0000	0.20	Q					100+25	0.0000	0.13	Q								
95+25	0.0000	0.20	Q					100+30	0.0000	0.13	Q								
95+30	0.0000	0.20	Q					100+35	0.0000	0.13	Q								
95+35	0.0000	0.20	Q					100+40	0.0000	0.13	Q								
95+40	0.0000	0.19	Q					100+45	0.0000	0.13	Q								
95+45	0.0000	0.19	Q					100+50	0.0000	0.12	Q								
95+50	0.0000	0.19	Q					100+55	0.0000	0.12	Q								
95+55	0.0000	0.19	Q					101+ 0	0.0000	0.12	Q								
96+ 0	0.0000	0.19	Q					101+ 5	0.0000	0.12	Q								
96+ 5	0.0000	0.19	Q					101+10	0.0000	0.12	Q								
96+10	0.0000	0.19	Q					101+15	0.0000	0.12	Q								
96+15	0.0000	0.19	Q					101+20	0.0000	0.12	Q								
96+20	0.0000	0.18	Q					101+25	0.0000	0.12	Q								
96+25	0.0000	0.18	Q					101+30	0.0000	0.12	Q								
96+30	0.0000	0.18	Q					101+35	0.0000	0.12	Q								
96+35	0.0000	0.18	Q					101+40	0.0000	0.12	Q								
96+40	0.0000	0.18	Q					101+45	0.0000	0.11	Q								
96+45	0.0000	0.18	Q					101+50	0.0000	0.11	Q								
96+50	0.0000	0.18	Q					101+55	0.0000	0.11	Q								
96+55	0.0000	0.17	Q					102+ 0	0.0000	0.11	Q								
97+ 0	0.0000	0.17	Q					102+ 5	0.0000	0.11	Q								
97+ 5	0.0000	0.17	Q					102+10	0.0000	0.11	Q								
97+10	0.0000	0.17	Q					102+15	0.0000	0.11	Q								
97+15	0.0000	0.17	Q					102+20	0.0000	0.11	Q								
97+20	0.0000	0.17	Q					102+25	0.0000	0.11	Q								
97+25	0.0000	0.17	Q					102+30	0.0000	0.11	Q								
97+30	0.0000	0.17	Q					102+35	0.0000	0.11	Q								
97+35	0.0000	0.16	Q					102+40	0.0000	0.11	Q								
97+40	0.0000	0.16	Q					102+45	0.0000	0.11	Q								
97+45	0.0000	0.16	Q					102+50	0.0000	0.10	Q								
97+50	0.0000	0.16	Q					102+55	0.0000	0.10	Q								
97+55	0.0000	0.16	Q					103+ 0	0.0000	0.10	Q								
98+ 0	0.0000	0.16	Q					103+ 5	0.0000	0.10	Q								
98+ 5	0.0000	0.16	Q					103+10	0.0000	0.10	Q								
98+10	0.0000	0.16	Q					103+15	0.0000	0.10	Q								
98+15	0.0000	0.16	Q					103+20	0.0000	0.10	Q								
98+20	0.0000	0.15	Q					103+25	0.0000	0.10	Q								
98+25	0.0000	0.15	Q					103+30	0.0000	0.10	Q								
98+30	0.0000	0.15	Q					103+35	0.0000	0.10	Q								
98+35	0.0000	0.15	Q					103+40	0.0000	0.10	Q								
98+40	0.0000	0.15	Q					103+45	0.0000	0.10	Q								
98+45	0.0000	0.15	Q					103+50	0.0000	0.10	Q								
98+50	0.0000	0.15	Q					103+55	0.0000	0.09	Q								
98+55	0.0000	0.15	Q					104+ 0	0.0000	0.09	Q								
99+ 0	0.0000	0.15	Q					104+ 5	0.0000	0.09	Q								
99+ 5	0.0000	0.14	Q					104+10	0.0000	0.09	Q								
99+10	0.0000	0.14	Q					104+15	0.0000	0.09	Q								

104+20	0.0000	0.09	Q				
104+25	0.0000	0.09	Q				
104+30	0.0000	0.09	Q				
104+35	0.0000	0.09	Q				
104+40	0.0000	0.09	Q				
104+45	0.0000	0.09	Q				
104+50	0.0000	0.09	Q				
104+55	0.0000	0.09	Q				
105+ 0	0.0000	0.09	Q				
105+ 5	0.0000	0.09	Q				
105+10	0.0000	0.09	Q				
105+15	0.0000	0.08	Q				
105+20	0.0000	0.08	Q				
105+25	0.0000	0.08	Q				
105+30	0.0000	0.08	Q				
105+35	0.0000	0.08	Q				
105+40	0.0000	0.08	Q				
105+45	0.0000	0.08	Q				
105+50	0.0000	0.08	Q				
105+55	0.0000	0.08	Q				
106+ 0	0.0000	0.08	Q				
106+ 5	0.0000	0.08	Q				
106+10	0.0000	0.08	Q				
106+15	0.0000	0.08	Q				
106+20	0.0000	0.08	Q				
106+25	0.0000	0.08	Q				
106+30	0.0000	0.08	Q				
106+35	0.0000	0.08	Q				
106+40	0.0000	0.07	Q				
106+45	0.0000	0.07	Q				
106+50	0.0000	0.07	Q				
106+55	0.0000	0.07	Q				
107+ 0	0.0000	0.07	Q				
107+ 5	0.0000	0.07	Q				
107+10	0.0000	0.07	Q				
107+15	0.0000	0.07	Q				
107+20	0.0000	0.07	Q				
107+25	0.0000	0.07	Q				
107+30	0.0000	0.07	Q				
107+35	0.0000	0.07	Q				
107+40	0.0000	0.07	Q				
107+45	0.0000	0.07	Q				
107+50	0.0000	0.07	Q				
107+55	0.0000	0.07	Q				
108+ 0	0.0000	0.07	Q				
108+ 5	0.0000	0.07	Q				
108+10	0.0000	0.07	Q				
108+15	0.0000	0.07	Q				
108+20	0.0000	0.06	Q				
108+25	0.0000	0.06	Q				
108+30	0.0000	0.06	Q				
108+35	0.0000	0.06	Q				
108+40	0.0000	0.06	Q				
108+45	0.0000	0.06	Q				
108+50	0.0000	0.06	Q				
108+55	0.0000	0.06	Q				
109+ 0	0.0000	0.06	Q				
109+ 5	0.0000	0.06	Q				
109+10	0.0000	0.06	Q				
109+15	0.0000	0.06	Q				
109+20	0.0000	0.06	Q				
109+25	0.0000	0.06	Q				
109+30	0.0000	0.06	Q				
109+35	0.0000	0.06	Q				
109+40	0.0000	0.06	Q				
109+45	0.0000	0.06	Q				
109+50	0.0000	0.06	Q				
109+55	0.0000	0.06	Q				
110+ 0	0.0000	0.06	Q				
110+ 5	0.0000	0.06	Q				
110+10	0.0000	0.06	Q				
110+15	0.0000	0.05	Q				
110+20	0.0000	0.05	Q				
110+25	0.0000	0.05	Q				
110+30	0.0000	0.05	Q				
110+35	0.0000	0.05	Q				
110+40	0.0000	0.05	Q				
110+45	0.0000	0.05	Q				
110+50	0.0000	0.05	Q				
110+55	0.0000	0.05	Q				
111+ 0	0.0000	0.05	Q				
111+ 5	0.0000	0.05	Q				
111+10	0.0000	0.05	Q				
111+15	0.0000	0.05	Q				
111+20	0.0000	0.05	Q				
111+25	0.0000	0.05	Q				
111+30	0.0000	0.05	Q				
111+35	0.0000	0.05	Q				
111+40	0.0000	0.05	Q				
111+45	0.0000	0.05	Q				
111+50	0.0000	0.05	Q				
111+55	0.0000	0.05	Q				
112+ 0	0.0000	0.05	Q				
112+ 5	0.0000	0.05	Q				
112+10	0.0000	0.05	Q				
112+15	0.0000	0.05	Q				
112+20	0.0000	0.05	Q				
112+25	0.0000	0.05	Q				
112+30	0.0000	0.05	Q				
112+35	0.0000	0.04	Q				
112+40	0.0000	0.04	Q				
112+45	0.0000	0.04	Q				
112+50	0.0000	0.04	Q				
112+55	0.0000	0.04	Q				
113+ 0	0.0000	0.04	Q				
113+ 5	0.0000	0.04	Q				
113+10	0.0000	0.04	Q				
113+15	0.0000	0.04	Q				
113+20	0.0000	0.04	Q				
113+25	0.0000	0.04	Q				
113+30	0.0000	0.04	Q				
113+35	0.0000	0.04	Q				
113+40	0.0000	0.04	Q				
113+45	0.0000	0.04	Q				
113+50	0.0000	0.04	Q				
113+55	0.0000	0.04	Q				
114+ 0	0.0000	0.04	Q				
114+ 5	0.0000	0.04	Q				
114+10	0.0000	0.04	Q				
114+15	0.0000	0.04	Q				
114+20	0.0000	0.04	Q				
114+25	0.0000	0.04	Q				

114+30	0.0000	0.04	Q					119+35	0.0000	0.02	Q				
114+35	0.0000	0.04	Q					119+40	0.0000	0.02	Q				
114+40	0.0000	0.04	Q					119+45	0.0000	0.02	Q				
114+45	0.0000	0.04	Q					119+50	0.0000	0.02	Q				
114+50	0.0000	0.04	Q					119+55	0.0000	0.02	Q				
114+55	0.0000	0.04	Q					120+ 0	0.0000	0.02	Q				
115+ 0	0.0000	0.04	Q					120+ 5	0.0000	0.02	Q				
115+ 5	0.0000	0.04	Q					120+10	0.0000	0.02	Q				
115+10	0.0000	0.04	Q					120+15	0.0000	0.02	Q				
115+15	0.0000	0.04	Q					120+20	0.0000	0.02	Q				
115+20	0.0000	0.04	Q					120+25	0.0000	0.02	Q				
115+25	0.0000	0.03	Q					120+30	0.0000	0.02	Q				
115+30	0.0000	0.03	Q					120+35	0.0000	0.02	Q				
115+35	0.0000	0.03	Q					120+40	0.0000	0.02	Q				
115+40	0.0000	0.03	Q					120+45	0.0000	0.02	Q				
115+45	0.0000	0.03	Q					120+50	0.0000	0.02	Q				
115+50	0.0000	0.03	Q					120+55	0.0000	0.02	Q				
115+55	0.0000	0.03	Q					121+ 0	0.0000	0.02	Q				
116+ 0	0.0000	0.03	Q					121+ 5	0.0000	0.02	Q				
116+ 5	0.0000	0.03	Q					121+10	0.0000	0.02	Q				
116+10	0.0000	0.03	Q					121+15	0.0000	0.02	Q				
116+15	0.0000	0.03	Q					121+20	0.0000	0.02	Q				
116+20	0.0000	0.03	Q					121+25	0.0000	0.02	Q				
116+25	0.0000	0.03	Q					121+30	0.0000	0.02	Q				
116+30	0.0000	0.03	Q					121+35	0.0000	0.02	Q				
116+35	0.0000	0.03	Q					121+40	0.0000	0.02	Q				
116+40	0.0000	0.03	Q					121+45	0.0000	0.02	Q				
116+45	0.0000	0.03	Q					121+50	0.0000	0.02	Q				
116+50	0.0000	0.03	Q					121+55	0.0000	0.02	Q				
116+55	0.0000	0.03	Q					122+ 0	0.0000	0.02	Q				
117+ 0	0.0000	0.03	Q					122+ 5	0.0000	0.02	Q				
117+ 5	0.0000	0.03	Q					122+10	0.0000	0.02	Q				
117+10	0.0000	0.03	Q					122+15	0.0000	0.02	Q				
117+15	0.0000	0.03	Q					122+20	0.0000	0.02	Q				
117+20	0.0000	0.03	Q					122+25	0.0000	0.02	Q				
117+25	0.0000	0.03	Q					122+30	0.0000	0.02	Q				
117+30	0.0000	0.03	Q					122+35	0.0000	0.02	Q				
117+35	0.0000	0.03	Q					122+40	0.0000	0.02	Q				
117+40	0.0000	0.03	Q					122+45	0.0000	0.02	Q				
117+45	0.0000	0.03	Q					122+50	0.0000	0.02	Q				
117+50	0.0000	0.03	Q					122+55	0.0000	0.02	Q				
117+55	0.0000	0.03	Q					123+ 0	0.0000	0.02	Q				
118+ 0	0.0000	0.03	Q					123+ 5	0.0000	0.02	Q				
118+ 5	0.0000	0.03	Q					123+10	0.0000	0.02	Q				
118+10	0.0000	0.03	Q					123+15	0.0000	0.02	Q				
118+15	0.0000	0.03	Q					123+20	0.0000	0.02	Q				
118+20	0.0000	0.03	Q					123+25	0.0000	0.02	Q				
118+25	0.0000	0.03	Q					123+30	0.0000	0.02	Q				
118+30	0.0000	0.03	Q					123+35	0.0000	0.02	Q				
118+35	0.0000	0.03	Q					123+40	0.0000	0.02	Q				
118+40	0.0000	0.03	Q					123+45	0.0000	0.02	Q				
118+45	0.0000	0.03	Q					123+50	0.0000	0.02	Q				
118+50	0.0000	0.03	Q					123+55	0.0000	0.02	Q				
118+55	0.0000	0.03	Q					124+ 0	0.0000	0.02	Q				
119+ 0	0.0000	0.03	Q					124+ 5	0.0000	0.02	Q				
119+ 5	0.0000	0.03	Q					124+10	0.0000	0.02	Q				
119+10	0.0000	0.03	Q					124+15	0.0000	0.02	Q				
119+15	0.0000	0.03	Q					124+20	0.0000	0.02	Q				
119+20	0.0000	0.02	Q					124+25	0.0000	0.02	Q				
119+25	0.0000	0.02	Q					124+30	0.0000	0.02	Q				
119+30	0.0000	0.02	Q					124+35	0.0000	0.02	Q				

124+40	0.0000	0.02	Q					129+45	0.0000	0.01	Q				
124+45	0.0000	0.02	Q					129+50	0.0000	0.01	Q				
124+50	0.0000	0.02	Q					129+55	0.0000	0.01	Q				
124+55	0.0000	0.02	Q					130+ 0	0.0000	0.01	Q				
125+ 0	0.0000	0.02	Q					130+ 5	0.0000	0.01	Q				
125+ 5	0.0000	0.02	Q					130+10	0.0000	0.01	Q				
125+10	0.0000	0.01	Q					130+15	0.0000	0.01	Q				
125+15	0.0000	0.01	Q					130+20	0.0000	0.01	Q				
125+20	0.0000	0.01	Q					130+25	0.0000	0.01	Q				
125+25	0.0000	0.01	Q					130+30	0.0000	0.01	Q				
125+30	0.0000	0.01	Q					130+35	0.0000	0.01	Q				
125+35	0.0000	0.01	Q					130+40	0.0000	0.01	Q				
125+40	0.0000	0.01	Q					130+45	0.0000	0.01	Q				
125+45	0.0000	0.01	Q					130+50	0.0000	0.01	Q				
125+50	0.0000	0.01	Q					130+55	0.0000	0.01	Q				
125+55	0.0000	0.01	Q					131+ 0	0.0000	0.01	Q				
126+ 0	0.0000	0.01	Q					131+ 5	0.0000	0.01	Q				
126+ 5	0.0000	0.01	Q					131+10	0.0000	0.01	Q				
126+10	0.0000	0.01	Q					131+15	0.0000	0.01	Q				
126+15	0.0000	0.01	Q					131+20	0.0000	0.01	Q				
126+20	0.0000	0.01	Q					131+25	0.0000	0.01	Q				
126+25	0.0000	0.01	Q					131+30	0.0000	0.01	Q				
126+30	0.0000	0.01	Q					131+35	0.0000	0.01	Q				
126+35	0.0000	0.01	Q					131+40	0.0000	0.01	Q				
126+40	0.0000	0.01	Q					131+45	0.0000	0.01	Q				
126+45	0.0000	0.01	Q					131+50	0.0000	0.01	Q				
126+50	0.0000	0.01	Q					131+55	0.0000	0.01	Q				
126+55	0.0000	0.01	Q					132+ 0	0.0000	0.01	Q				
127+ 0	0.0000	0.01	Q					132+ 5	0.0000	0.01	Q				
127+ 5	0.0000	0.01	Q					132+10	0.0000	0.01	Q				
127+10	0.0000	0.01	Q					132+15	0.0000	0.01	Q				
127+15	0.0000	0.01	Q					132+20	0.0000	0.01	Q				
127+20	0.0000	0.01	Q					132+25	0.0000	0.01	Q				
127+25	0.0000	0.01	Q					132+30	0.0000	0.01	Q				
127+30	0.0000	0.01	Q					132+35	0.0000	0.01	Q				
127+35	0.0000	0.01	Q					132+40	0.0000	0.01	Q				
127+40	0.0000	0.01	Q					132+45	0.0000	0.01	Q				
127+45	0.0000	0.01	Q					132+50	0.0000	0.01	Q				
127+50	0.0000	0.01	Q					132+55	0.0000	0.01	Q				
127+55	0.0000	0.01	Q					133+ 0	0.0000	0.01	Q				
128+ 0	0.0000	0.01	Q					133+ 5	0.0000	0.01	Q				
128+ 5	0.0000	0.01	Q					133+10	0.0000	0.01	Q				
128+10	0.0000	0.01	Q					133+15	0.0000	0.01	Q				
128+15	0.0000	0.01	Q					133+20	0.0000	0.01	Q				
128+20	0.0000	0.01	Q					133+25	0.0000	0.01	Q				
128+25	0.0000	0.01	Q					133+30	0.0000	0.01	Q				
128+30	0.0000	0.01	Q					133+35	0.0000	0.01	Q				
128+35	0.0000	0.01	Q					133+40	0.0000	0.01	Q				
128+40	0.0000	0.01	Q					133+45	0.0000	0.01	Q				
128+45	0.0000	0.01	Q					133+50	0.0000	0.01	Q				
128+50	0.0000	0.01	Q					133+55	0.0000	0.01	Q				
128+55	0.0000	0.01	Q					134+ 0	0.0000	0.01	Q				
129+ 0	0.0000	0.01	Q					134+ 5	0.0000	0.01	Q				
129+ 5	0.0000	0.01	Q					134+10	0.0000	0.01	Q				
129+10	0.0000	0.01	Q					134+15	0.0000	0.01	Q				
129+15	0.0000	0.01	Q					134+20	0.0000	0.01	Q				
129+20	0.0000	0.01	Q					134+25	0.0000	0.01	Q				
129+25	0.0000	0.01	Q					134+30	0.0000	0.01	Q				
129+30	0.0000	0.01	Q					134+35	0.0000	0.01	Q				
129+35	0.0000	0.01	Q					134+40	0.0000	0.01	Q				
129+40	0.0000	0.01	Q					134+45	0.0000	0.01	Q				

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134+50       0.0000      0.01  Q          |          |          |          |
134+55       0.0000      0.01  Q          |          |          |          |
135+ 0       0.0000      0.01  Q          |          |          |          |
135+ 5       0.0000      0.01  Q          |          |          |          |
135+10       0.0000      0.01  Q          |          |          |          |
135+15       0.0000      0.01  Q          |          |          |          |
135+20       0.0000      0.01  Q          |          |          |          |
135+25       0.0000      0.01  Q          |          |          |          |
135+30       0.0000      0.01  Q          |          |          |          |
135+35       0.0000      0.01  Q          |          |          |          |
135+40       0.0000      0.01  Q          |          |          |          |
135+45       0.0000      0.01  Q          |          |          |          |
135+50       0.0000      0.01  Q          |          |          |          |
135+55       0.0000      0.01  Q          |          |          |          |
136+ 0       0.0000      0.01  Q          |          |          |          |
136+ 5       0.0000      0.01  Q          |          |          |          |
136+10       0.0000      0.01  Q          |          |          |          |
136+15       0.0000      0.01  Q          |          |          |          |
136+20       0.0000      0.01  Q          |          |          |          |
136+25       0.0000      0.01  Q          |          |          |          |
136+30       0.0000      0.01  Q          |          |          |          |
136+35       0.0000      0.01  Q          |          |          |          |
136+40       0.0000      0.01  Q          |          |          |          |
136+45       0.0000      0.01  Q          |          |          |          |
136+50       0.0000      0.01  Q          |          |          |          |
136+55       0.0000      0.01  Q          |          |          |          |
137+ 0       0.0000      0.01  Q          |          |          |          |
137+ 5       0.0000      0.01  Q          |          |          |          |
137+10       0.0000      0.01  Q          |          |          |          |
137+15       0.0000      0.01  Q          |          |          |          |
137+20       0.0000      0.01  Q          |          |          |          |
137+25       0.0000      0.01  Q          |          |          |          |
137+30       0.0000      0.01  Q          |          |          |          |
137+35       0.0000      0.01  Q          |          |          |          |
137+40       0.0000      0.01  Q          |          |          |          |
137+45       0.0000      0.01  Q          |          |          |          |
137+50       0.0000      0.00  Q          |          |          |          |
137+55       0.0000      0.00  Q          |          |          |          |
138+ 0       0.0000      0.00  Q          |          |          |          |
138+ 5       0.0000      0.00  Q          |          |          |          |
138+10       0.0000      0.00  Q          |          |          |          |
138+15       0.0000      0.00  Q          |          |          |          |
138+20       0.0000      0.00  Q          |          |          |          |
138+25       0.0000      0.00  Q          |          |          |          |
138+30       0.0000      0.00  Q          |          |          |          |
138+35       0.0000      0.00  Q          |          |          |          |
138+40       0.0000      0.00  Q          |          |          |          |
138+45       0.0000      0.00  Q          |          |          |          |
138+50       0.0000      0.00  Q          |          |          |          |
138+55       0.0000      0.00  Q          |          |          |          |
139+ 0       0.0000      0.00  Q          |          |          |          |
139+ 5       0.0000      0.00  Q          |          |          |          |
139+10       0.0000      0.00  Q          |          |          |          |
139+15       0.0000      0.00  Q          |          |          |          |
139+20       0.0000      0.00  Q          |          |          |          |
139+25       0.0000      0.00  Q          |          |          |          |
139+30       0.0000      0.00  Q          |          |          |          |
139+35       0.0000      0.00  Q          |          |          |          |
139+40       0.0000      0.00  Q          |          |          |          |
139+45       0.0000      0.00  Q          |          |          |          |
139+50       0.0000      0.00  Q          |          |          |          |
 139+55       0.0000      0.00  Q          |          |          |          |
-------------------------------------------------------------------------------

         ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  1875
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       33.216 (CFS)
                        Total volume =      13.234 (Ac.Ft)
                 Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                 Peak (CFS)       0.000     0.000     0.000     0.000     0.000
                 Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
         ***********************************************************************

         -----------------------------------------------------------------------


         +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
         Process from Point/Station        3.300 to Point/Station        3.400
         **** STREAM ROUTING SCS CONVEX METHOD ****
         _______________________________________________________________________
         HYDROGRAPH STREAM ROUTING DATA:
         Length of stream =    410.00 (Ft.)
         Elevation difference =   16.00 (Ft.)
         Slope of channel =  0.039024 (Vert/Horiz)
         Channel type - Pipe


         Pipe length  =   410.00(Ft.)   Elevation difference =  16.00(Ft.)
         Manning's N = 0.013   No. of pipes = 1
         Pipe evaluation using mean flow rate of hydrograph
         Required pipe flow  =    10.869(CFS)
         Given pipe size =     54.00(In.)
         Calculated individual pipe flow  =    10.869(CFS)
         Normal flow depth in pipe =    6.21(In.)
         Flow top width inside pipe =   34.46(In.)
         Critical Depth =    0.93(Ft.)
         Pipe flow velocity =     10.70(Ft/s)
         Travel time through pipe =    0.64 min.


         Pipe length  =   410.00(Ft.)   Elevation difference =  16.00(Ft.)
         Manning's N = 0.013   No. of pipes = 1
         Pipe evaluation using maximum flow rate of hydrograph
         Required pipe flow  =    33.216(CFS)
         Given pipe size =     54.00(In.)
         Calculated individual pipe flow  =    33.216(CFS)
         Normal flow depth in pipe =   10.68(In.)
         Flow top width inside pipe =   43.01(In.)
         Critical Depth =    1.65(Ft.)
         Pipe flow velocity =     14.92(Ft/s)
         Travel time through pipe =    0.46 min.


         ********************** SCS CONVEX CHANNEL ROUTING **********************
         Convex method of stream routing  data items:
         Using equation: Outflow =
         O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                   where c* = 1 - (1-c)^e and dt = c(length)/velocity
                   c(v/v+1.7) =   0.8977   Travel time =   0.46 (min.)
                 dt*(unit time interval) =   5.00(min.),  e=   8.4407
                 dt(routing time-step) =   0.41 (min.),   c* =   1.0000
```

Output hydrograph delayed by 0 unit time increments

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	8.3	16.6	24.9	33.2
0+ 5	0.1322	0.14	O				
0+10	0.7843	0.84	OI				
0+15	1.1082	1.13	IO				
0+20	1.2391	1.25	IO				
0+25	1.5258	1.55	IO				
0+30	1.8570	1.88	O				
0+35	2.5413	2.60	O				
0+40	2.4238	2.41	O				
0+45	2.9925	3.04	O				
0+50	3.1725	3.18	O				
0+55	2.6855	2.64	O				
1+ 0	2.7621	2.77	O				
1+ 5	3.4878	3.55	O				
1+10	4.7446	4.85	O				
1+15	5.3655	5.41	O				
1+20	5.5441	5.56	O				
1+25	5.4934	5.49	O				
1+30	6.8652	6.99	O				
1+35	7.6384	7.70	O				
1+40	7.4761	7.46	IO				
1+45	8.3652	8.45	O				
1+50	10.0461	10.19	O				
1+55	10.3106	10.32	O				
2+ 0	10.0277	10.00	O				
2+ 5	10.1730	10.19	O				
2+10	11.0336	11.11	O				
2+15	14.3131	14.60	O				
2+20	16.9269	17.14	O				
2+25	16.4292	16.37	O				
2+30	23.6833	24.34	O				
2+35	28.8185	29.22	O				
2+40	32.8877	33.22	O				
2+45	30.3842	30.13	O				
2+50	22.5707	21.89	O				
2+55	19.9390	19.76	O				
3+ 0	19.5708	19.55	O				
3+ 5	18.8096	18.74	O				
3+10	18.3131	18.27	O				
3+15	17.8532	17.82	O				
3+20	17.2924	17.25	O				
3+25	16.6870	16.64	O				
3+30	16.0041	15.95	O				
3+35	15.2773	15.22	O				
3+40	14.5489	14.49	O				
3+45	13.8332	13.77	O				
3+50	13.1386	13.08	O				
3+55	12.4708	12.42	O				
4+ 0	11.8322	11.78	O				
4+ 5	11.2239	11.17	O				
4+10	10.6471	10.60	O				
4+15	10.1024	10.06	O				
4+20	9.5871	9.54	O				
4+25	9.0990	9.06	O				
4+30	8.6363	8.60	O				
4+35	8.1974	8.16	O				
4+40	7.7810	7.75	O				
4+45	7.3858	7.35	O				
4+50	7.0108	6.98	O				
4+55	6.6548	6.63	O				
5+ 0	6.3169	6.29	O				
5+ 5	5.9962	5.97	O				
5+10	5.6918	5.67	O				
5+15	5.4028	5.38	O				
5+20	5.1285	5.11	O				
5+25	4.8681	4.85	O				
5+30	4.6210	4.60	O				
5+35	4.3864	4.37	O				
5+40	4.1637	4.15	O				
5+45	3.9523	3.93	O				
5+50	3.7517	3.74	O				
5+55	3.5612	3.55	O				
6+ 0	3.3804	3.37	O				
6+ 5	3.2088	3.19	O				
6+10	3.0459	3.03	O				
6+15	2.8912	2.88	O				
6+20	2.7444	2.73	O				
6+25	2.6051	2.59	O				
6+30	2.4729	2.46	O				
6+35	2.3473	2.34	O				
6+40	2.2281	2.22	O				
6+45	2.1150	2.11	O				
6+50	2.0076	2.00	O				
6+55	1.9151	1.91	O				
7+ 0	1.8528	1.85	O				
7+ 5	1.8163	1.81	O				
7+10	1.7952	1.79	O				
7+15	1.7827	1.78	O				
7+20	1.7752	1.77	O				
7+25	1.7705	1.77	O				
7+30	1.7675	1.77	O				
7+35	1.7653	1.77	O				
7+40	1.7637	1.76	O				
7+45	1.7624	1.76	O				
7+50	1.7612	1.76	O				
7+55	1.7602	1.76	O				
8+ 0	1.7592	1.76	O				
8+ 5	1.7582	1.76	O				
8+10	1.7572	1.76	O				
8+15	1.7563	1.76	O				
8+20	1.7553	1.76	O				
8+25	1.7544	1.75	O				
8+30	1.7535	1.75	O				
8+35	1.7525	1.75	O				
8+40	1.7516	1.75	O				
8+45	1.7507	1.75	O				
8+50	1.7497	1.75	O				
8+55	1.7488	1.75	O				
9+ 0	1.7479	1.75	O				
9+ 5	1.7470	1.75	O				

9+10	1.7460	1.75	O				
9+15	1.7451	1.75	O				
9+20	1.7442	1.74	O				
9+25	1.7433	1.74	O				
9+30	1.7423	1.74	O				
9+35	1.7414	1.74	O				
9+40	1.7405	1.74	O				
9+45	1.7396	1.74	O				
9+50	1.7386	1.74	O				
9+55	1.7377	1.74	O				
10+ 0	1.7368	1.74	O				
10+ 5	1.7359	1.74	O				
10+10	1.7350	1.73	O				
10+15	1.7340	1.73	O				
10+20	1.7331	1.73	O				
10+25	1.7322	1.73	O				
10+30	1.7313	1.73	O				
10+35	1.7304	1.73	O				
10+40	1.7294	1.73	O				
10+45	1.7285	1.73	O				
10+50	1.7276	1.73	O				
10+55	1.7267	1.73	O				
11+ 0	1.7258	1.73	O				
11+ 5	1.7249	1.72	O				
11+10	1.7239	1.72	O				
11+15	1.7230	1.72	O				
11+20	1.7221	1.72	O				
11+25	1.7212	1.72	O				
11+30	1.7203	1.72	O				
11+35	1.7194	1.72	O				
11+40	1.7185	1.72	O				
11+45	1.7175	1.72	O				
11+50	1.7166	1.72	O				
11+55	1.7157	1.72	O				
12+ 0	1.7148	1.71	O				
12+ 5	1.7139	1.71	O				
12+10	1.7130	1.71	O				
12+15	1.7121	1.71	O				
12+20	1.7112	1.71	O				
12+25	1.7103	1.71	O				
12+30	1.7094	1.71	O				
12+35	1.7084	1.71	O				
12+40	1.7075	1.71	O				
12+45	1.7066	1.71	O				
12+50	1.7057	1.71	O				
12+55	1.7048	1.70	O				
13+ 0	1.7039	1.70	O				
13+ 5	1.7030	1.70	O				
13+10	1.7021	1.70	O				
13+15	1.7012	1.70	O				
13+20	1.7003	1.70	O				
13+25	1.6994	1.70	O				
13+30	1.6985	1.70	O				
13+35	1.6976	1.70	O				
13+40	1.6967	1.70	O				
13+45	1.6958	1.70	O				
13+50	1.6949	1.69	O				
13+55	1.6940	1.69	O				
14+ 0	1.6931	1.69	O				
14+ 5	1.6922	1.69	O				
14+10	1.6913	1.69	O				
14+15	1.6903	1.69	O				
14+20	1.6893	1.69	O				
14+25	1.6883	1.69	O				
14+30	1.6872	1.69	O				
14+35	1.6862	1.69	O				
14+40	1.6851	1.69	O				
14+45	1.6841	1.68	O				
14+50	1.6830	1.68	O				
14+55	1.6819	1.68	O				
15+ 0	1.6809	1.68	O				
15+ 5	1.6798	1.68	O				
15+10	1.6787	1.68	O				
15+15	1.6777	1.68	O				
15+20	1.6766	1.68	O				
15+25	1.6755	1.68	O				
15+30	1.6745	1.67	O				
15+35	1.6734	1.67	O				
15+40	1.6724	1.67	O				
15+45	1.6713	1.67	O				
15+50	1.6702	1.67	O				
15+55	1.6692	1.67	O				
16+ 0	1.6681	1.67	O				
16+ 5	1.6671	1.67	O				
16+10	1.6660	1.67	O				
16+15	1.6649	1.66	O				
16+20	1.6639	1.66	O				
16+25	1.6628	1.66	O				
16+30	1.6618	1.66	O				
16+35	1.6607	1.66	O				
16+40	1.6597	1.66	O				
16+45	1.6586	1.66	O				
16+50	1.6576	1.66	O				
16+55	1.6565	1.66	O				
17+ 0	1.6555	1.66	O				
17+ 5	1.6544	1.65	O				
17+10	1.6534	1.65	O				
17+15	1.6523	1.65	O				
17+20	1.6513	1.65	O				
17+25	1.6502	1.65	O				
17+30	1.6492	1.65	O				
17+35	1.6481	1.65	O				
17+40	1.6471	1.65	O				
17+45	1.6460	1.65	O				
17+50	1.6450	1.64	O				
17+55	1.6440	1.64	O				
18+ 0	1.6429	1.64	O				
18+ 5	1.6419	1.64	O				
18+10	1.6408	1.64	O				
18+15	1.6398	1.64	O				
18+20	1.6387	1.64	O				
18+25	1.6377	1.64	O				
18+30	1.6367	1.64	O				
18+35	1.6356	1.64	O				
18+40	1.6346	1.63	O				
18+45	1.6336	1.63	O				
18+50	1.6325	1.63	O				
18+55	1.6315	1.63	O				
19+ 0	1.6304	1.63	O				
19+ 5	1.6294	1.63	O				
19+10	1.6284	1.63	O				
19+15	1.6273	1.63	O				

19+20	1.6263	1.63	O				
19+25	1.6253	1.63	O				
19+30	1.6243	1.62	O				
19+35	1.6232	1.62	O				
19+40	1.6222	1.62	O				
19+45	1.6212	1.62	O				
19+50	1.6201	1.62	O				
19+55	1.6191	1.62	O				
20+ 0	1.6181	1.62	O				
20+ 5	1.6171	1.62	O				
20+10	1.6160	1.62	O				
20+15	1.6150	1.61	O				
20+20	1.6140	1.61	O				
20+25	1.6130	1.61	O				
20+30	1.6119	1.61	O				
20+35	1.6109	1.61	O				
20+40	1.6099	1.61	O				
20+45	1.6089	1.61	O				
20+50	1.6079	1.61	O				
20+55	1.6068	1.61	O				
21+ 0	1.6058	1.61	O				
21+ 5	1.6048	1.60	O				
21+10	1.6038	1.60	O				
21+15	1.6028	1.60	O				
21+20	1.6017	1.60	O				
21+25	1.6007	1.60	O				
21+30	1.5996	1.60	O				
21+35	1.5984	1.60	O				
21+40	1.5973	1.60	O				
21+45	1.5961	1.60	O				
21+50	1.5949	1.59	O				
21+55	1.5938	1.59	O				
22+ 0	1.5926	1.59	O				
22+ 5	1.5914	1.59	O				
22+10	1.5902	1.59	O				
22+15	1.5891	1.59	O				
22+20	1.5879	1.59	O				
22+25	1.5867	1.59	O				
22+30	1.5856	1.59	O				
22+35	1.5844	1.58	O				
22+40	1.5832	1.58	O				
22+45	1.5820	1.58	O				
22+50	1.5809	1.58	O				
22+55	1.5797	1.58	O				
23+ 0	1.5785	1.58	O				
23+ 5	1.5774	1.58	O				
23+10	1.5762	1.58	O				
23+15	1.5750	1.57	O				
23+20	1.5739	1.57	O				
23+25	1.5727	1.57	O				
23+30	1.5716	1.57	O				
23+35	1.5704	1.57	O				
23+40	1.5692	1.57	O				
23+45	1.5681	1.57	O				
23+50	1.5669	1.57	O				
23+55	1.5658	1.57	O				
24+ 0	1.5646	1.56	O				
24+ 5	1.5635	1.56	O				
24+10	1.5623	1.56	O				
24+15	1.5612	1.56	O				
24+20	1.5600	1.56	O				
24+25	1.5588	1.56	O				
24+30	1.5577	1.56	O				
24+35	1.5565	1.56	O				
24+40	1.5554	1.56	O				
24+45	1.5543	1.55	O				
24+50	1.5531	1.55	O				
24+55	1.5520	1.55	O				
25+ 0	1.5508	1.55	O				
25+ 5	1.5497	1.55	O				
25+10	1.5485	1.55	O				
25+15	1.5474	1.55	O				
25+20	1.5462	1.55	O				
25+25	1.5451	1.55	O				
25+30	1.5440	1.54	O				
25+35	1.5428	1.54	O				
25+40	1.5417	1.54	O				
25+45	1.5405	1.54	O				
25+50	1.5394	1.54	O				
25+55	1.5383	1.54	O				
26+ 0	1.5371	1.54	O				
26+ 5	1.5360	1.54	O				
26+10	1.5349	1.53	O				
26+15	1.5337	1.53	O				
26+20	1.5326	1.53	O				
26+25	1.5315	1.53	O				
26+30	1.5303	1.53	O				
26+35	1.5292	1.53	O				
26+40	1.5281	1.53	O				
26+45	1.5269	1.53	O				
26+50	1.5258	1.53	O				
26+55	1.5247	1.52	O				
27+ 0	1.5236	1.52	O				
27+ 5	1.5224	1.52	O				
27+10	1.5213	1.52	O				
27+15	1.5202	1.52	O				
27+20	1.5191	1.52	O				
27+25	1.5180	1.52	O				
27+30	1.5168	1.52	O				
27+35	1.5157	1.52	O				
27+40	1.5146	1.51	O				
27+45	1.5135	1.51	O				
27+50	1.5124	1.51	O				
27+55	1.5112	1.51	O				
28+ 0	1.5101	1.51	O				
28+ 5	1.5090	1.51	O				
28+10	1.5079	1.51	O				
28+15	1.5068	1.51	O				
28+20	1.5057	1.51	O				
28+25	1.5046	1.50	O				
28+30	1.5035	1.50	O				
28+35	1.5023	1.50	O				
28+40	1.5012	1.50	O				
28+45	1.5001	1.50	O				
28+50	1.4990	1.50	O				
28+55	1.4979	1.50	O				
29+ 0	1.4968	1.50	O				
29+ 5	1.4957	1.50	O				
29+10	1.4946	1.49	O				
29+15	1.4935	1.49	O				
29+20	1.4924	1.49	O				
29+25	1.4913	1.49	O				

29+30	1.4902	1.49	O				
29+35	1.4891	1.49	O				
29+40	1.4880	1.49	O				
29+45	1.4869	1.49	O				
29+50	1.4858	1.49	O				
29+55	1.4847	1.48	O				
30+ 0	1.4836	1.48	O				
30+ 5	1.4825	1.48	O				
30+10	1.4814	1.48	O				
30+15	1.4803	1.48	O				
30+20	1.4792	1.48	O				
30+25	1.4781	1.48	O				
30+30	1.4770	1.48	O				
30+35	1.4759	1.48	O				
30+40	1.4749	1.47	O				
30+45	1.4738	1.47	O				
30+50	1.4727	1.47	O				
30+55	1.4716	1.47	O				
31+ 0	1.4705	1.47	O				
31+ 5	1.4694	1.47	O				
31+10	1.4683	1.47	O				
31+15	1.4673	1.47	O				
31+20	1.4662	1.47	O				
31+25	1.4651	1.47	O				
31+30	1.4640	1.46	O				
31+35	1.4629	1.46	O				
31+40	1.4618	1.46	O				
31+45	1.4608	1.46	O				
31+50	1.4597	1.46	O				
31+55	1.4586	1.46	O				
32+ 0	1.4575	1.46	O				
32+ 5	1.4565	1.46	O				
32+10	1.4554	1.46	O				
32+15	1.4543	1.45	O				
32+20	1.4532	1.45	O				
32+25	1.4522	1.45	O				
32+30	1.4511	1.45	O				
32+35	1.4500	1.45	O				
32+40	1.4490	1.45	O				
32+45	1.4479	1.45	O				
32+50	1.4468	1.45	O				
32+55	1.4457	1.45	O				
33+ 0	1.4447	1.44	O				
33+ 5	1.4436	1.44	O				
33+10	1.4425	1.44	O				
33+15	1.4415	1.44	O				
33+20	1.4404	1.44	O				
33+25	1.4394	1.44	O				
33+30	1.4383	1.44	O				
33+35	1.4372	1.44	O				
33+40	1.4362	1.44	O				
33+45	1.4351	1.44	O				
33+50	1.4340	1.43	O				
33+55	1.4330	1.43	O				
34+ 0	1.4319	1.43	O				
34+ 5	1.4309	1.43	O				
34+10	1.4298	1.43	O				
34+15	1.4288	1.43	O				
34+20	1.4277	1.43	O				
34+25	1.4267	1.43	O				
34+30	1.4256	1.43	O				
34+35	1.4245	1.42	O				
34+40	1.4235	1.42	O				
34+45	1.4224	1.42	O				
34+50	1.4214	1.42	O				
34+55	1.4203	1.42	O				
35+ 0	1.4193	1.42	O				
35+ 5	1.4183	1.42	O				
35+10	1.4172	1.42	O				
35+15	1.4162	1.42	O				
35+20	1.4151	1.42	O				
35+25	1.4141	1.41	O				
35+30	1.4130	1.41	O				
35+35	1.4120	1.41	O				
35+40	1.4109	1.41	O				
35+45	1.4097	1.41	O				
35+50	1.4084	1.41	O				
35+55	1.4071	1.41	O				
36+ 0	1.4058	1.41	O				
36+ 5	1.4045	1.40	O				
36+10	1.4032	1.40	O				
36+15	1.4019	1.40	O				
36+20	1.4005	1.40	O				
36+25	1.3992	1.40	O				
36+30	1.3979	1.40	O				
36+35	1.3965	1.40	O				
36+40	1.3952	1.40	O				
36+45	1.3939	1.39	O				
36+50	1.3926	1.39	O				
36+55	1.3913	1.39	O				
37+ 0	1.3899	1.39	O				
37+ 5	1.3886	1.39	O				
37+10	1.3873	1.39	O				
37+15	1.3860	1.39	O				
37+20	1.3847	1.38	O				
37+25	1.3834	1.38	O				
37+30	1.3820	1.38	O				
37+35	1.3807	1.38	O				
37+40	1.3794	1.38	O				
37+45	1.3781	1.38	O				
37+50	1.3768	1.38	O				
37+55	1.3755	1.38	O				
38+ 0	1.3742	1.37	O				
38+ 5	1.3729	1.37	O				
38+10	1.3716	1.37	O				
38+15	1.3703	1.37	O				
38+20	1.3690	1.37	O				
38+25	1.3677	1.37	O				
38+30	1.3664	1.37	O				
38+35	1.3651	1.36	O				
38+40	1.3638	1.36	O				
38+45	1.3625	1.36	O				
38+50	1.3612	1.36	O				
38+55	1.3599	1.36	O				
39+ 0	1.3586	1.36	O				
39+ 5	1.3573	1.36	O				
39+10	1.3560	1.36	O				
39+15	1.3548	1.35	O				
39+20	1.3535	1.35	O				
39+25	1.3522	1.35	O				
39+30	1.3509	1.35	O				
39+35	1.3496	1.35	O				

39+40	1.3483	1.35	O					44+45	1.2704	1.27	O				
39+45	1.3471	1.35	O					44+50	1.2691	1.27	O				
39+50	1.3458	1.35	O					44+55	1.2678	1.27	O				
39+55	1.3445	1.34	O					45+ 0	1.2665	1.27	O				
40+ 0	1.3432	1.34	O					45+ 5	1.2652	1.27	O				
40+ 5	1.3420	1.34	O					45+10	1.2639	1.26	O				
40+10	1.3407	1.34	O					45+15	1.2626	1.26	O				
40+15	1.3394	1.34	O					45+20	1.2613	1.26	O				
40+20	1.3381	1.34	O					45+25	1.2600	1.26	O				
40+25	1.3369	1.34	O					45+30	1.2588	1.26	O				
40+30	1.3356	1.34	O					45+35	1.2575	1.26	O				
40+35	1.3343	1.33	O					45+40	1.2562	1.26	O				
40+40	1.3331	1.33	O					45+45	1.2549	1.25	O				
40+45	1.3318	1.33	O					45+50	1.2536	1.25	O				
40+50	1.3305	1.33	O					45+55	1.2523	1.25	O				
40+55	1.3293	1.33	O					46+ 0	1.2511	1.25	O				
41+ 0	1.3280	1.33	O					46+ 5	1.2498	1.25	O				
41+ 5	1.3268	1.33	O					46+10	1.2485	1.25	O				
41+10	1.3255	1.33	O					46+15	1.2472	1.25	O				
41+15	1.3242	1.32	O					46+20	1.2459	1.25	O				
41+20	1.3230	1.32	O					46+25	1.2447	1.24	O				
41+25	1.3217	1.32	O					46+30	1.2434	1.24	O				
41+30	1.3205	1.32	O					46+35	1.2421	1.24	O				
41+35	1.3192	1.32	O					46+40	1.2409	1.24	O				
41+40	1.3180	1.32	O					46+45	1.2396	1.24	O				
41+45	1.3167	1.32	O					46+50	1.2383	1.24	O				
41+50	1.3155	1.32	O					46+55	1.2371	1.24	O				
41+55	1.3142	1.31	O					47+ 0	1.2358	1.24	O				
42+ 0	1.3130	1.31	O					47+ 5	1.2345	1.23	O				
42+ 5	1.3117	1.31	O					47+10	1.2333	1.23	O				
42+10	1.3105	1.31	O					47+15	1.2320	1.23	O				
42+15	1.3092	1.31	O					47+20	1.2308	1.23	O				
42+20	1.3080	1.31	O					47+25	1.2295	1.23	O				
42+25	1.3068	1.31	O					47+30	1.2282	1.23	O				
42+30	1.3055	1.31	O					47+35	1.2270	1.23	O				
42+35	1.3043	1.30	O					47+40	1.2257	1.23	O				
42+40	1.3030	1.30	O					47+45	1.2245	1.22	O				
42+45	1.3018	1.30	O					47+50	1.2232	1.22	O				
42+50	1.3005	1.30	O					47+55	1.2220	1.22	O				
42+55	1.2992	1.30	O					48+ 0	1.2207	1.22	O				
43+ 0	1.2979	1.30	O					48+ 5	1.2195	1.22	O				
43+ 5	1.2966	1.30	O					48+10	1.2182	1.22	O				
43+10	1.2953	1.30	O					48+15	1.2170	1.22	O				
43+15	1.2940	1.29	O					48+20	1.2157	1.22	O				
43+20	1.2927	1.29	O					48+25	1.2145	1.21	O				
43+25	1.2913	1.29	O					48+30	1.2133	1.21	O				
43+30	1.2900	1.29	O					48+35	1.2120	1.21	O				
43+35	1.2887	1.29	O					48+40	1.2108	1.21	O				
43+40	1.2874	1.29	O					48+45	1.2096	1.21	O				
43+45	1.2861	1.29	O					48+50	1.2083	1.21	O				
43+50	1.2848	1.28	O					48+55	1.2071	1.21	O				
43+55	1.2834	1.28	O					49+ 0	1.2058	1.21	O				
44+ 0	1.2821	1.28	O					49+ 5	1.2046	1.20	O				
44+ 5	1.2808	1.28	O					49+10	1.2034	1.20	O				
44+10	1.2795	1.28	O					49+15	1.2022	1.20	O				
44+15	1.2782	1.28	O					49+20	1.2009	1.20	O				
44+20	1.2769	1.28	O					49+25	1.1997	1.20	O				
44+25	1.2756	1.28	O					49+30	1.1985	1.20	O				
44+30	1.2743	1.27	O					49+35	1.1972	1.20	O				
44+35	1.2730	1.27	O					49+40	1.1960	1.20	O				
44+40	1.2717	1.27	O					49+45	1.1948	1.19	O				

49+50	1.1936	1.19	O				
49+55	1.1924	1.19	O				
50+ 0	1.1910	1.19	O				
50+ 5	1.1896	1.19	O				
50+10	1.1880	1.19	O				
50+15	1.1863	1.19	O				
50+20	1.1846	1.18	O				
50+25	1.1829	1.18	O				
50+30	1.1812	1.18	O				
50+35	1.1795	1.18	O				
50+40	1.1777	1.18	O				
50+45	1.1760	1.18	O				
50+50	1.1743	1.17	O				
50+55	1.1726	1.17	O				
51+ 0	1.1709	1.17	O				
51+ 5	1.1692	1.17	O				
51+10	1.1674	1.17	O				
51+15	1.1657	1.17	O				
51+20	1.1640	1.16	O				
51+25	1.1623	1.16	O				
51+30	1.1606	1.16	O				
51+35	1.1589	1.16	O				
51+40	1.1572	1.16	O				
51+45	1.1555	1.16	O				
51+50	1.1538	1.15	O				
51+55	1.1521	1.15	O				
52+ 0	1.1505	1.15	O				
52+ 5	1.1488	1.15	O				
52+10	1.1471	1.15	O				
52+15	1.1454	1.15	O				
52+20	1.1437	1.14	O				
52+25	1.1421	1.14	O				
52+30	1.1404	1.14	O				
52+35	1.1387	1.14	O				
52+40	1.1371	1.14	O				
52+45	1.1354	1.14	O				
52+50	1.1337	1.13	O				
52+55	1.1321	1.13	O				
53+ 0	1.1304	1.13	O				
53+ 5	1.1288	1.13	O				
53+10	1.1271	1.13	O				
53+15	1.1254	1.13	O				
53+20	1.1238	1.12	O				
53+25	1.1222	1.12	O				
53+30	1.1205	1.12	O				
53+35	1.1189	1.12	O				
53+40	1.1172	1.12	O				
53+45	1.1156	1.12	O				
53+50	1.1140	1.11	O				
53+55	1.1123	1.11	O				
54+ 0	1.1107	1.11	O				
54+ 5	1.1091	1.11	O				
54+10	1.1075	1.11	O				
54+15	1.1058	1.11	O				
54+20	1.1042	1.10	O				
54+25	1.1026	1.10	O				
54+30	1.1010	1.10	O				
54+35	1.0994	1.10	O				
54+40	1.0978	1.10	O				
54+45	1.0962	1.10	O				
54+50	1.0945	1.09	O				
54+55	1.0929	1.09	O				
55+ 0	1.0913	1.09	O				
55+ 5	1.0897	1.09	O				
55+10	1.0882	1.09	O				
55+15	1.0866	1.09	O				
55+20	1.0850	1.08	O				
55+25	1.0834	1.08	O				
55+30	1.0818	1.08	O				
55+35	1.0802	1.08	O				
55+40	1.0786	1.08	O				
55+45	1.0770	1.08	O				
55+50	1.0755	1.08	O				
55+55	1.0739	1.07	O				
56+ 0	1.0723	1.07	O				
56+ 5	1.0708	1.07	O				
56+10	1.0692	1.07	O				
56+15	1.0676	1.07	O				
56+20	1.0661	1.07	O				
56+25	1.0645	1.06	O				
56+30	1.0629	1.06	O				
56+35	1.0614	1.06	O				
56+40	1.0598	1.06	O				
56+45	1.0583	1.06	O				
56+50	1.0567	1.06	O				
56+55	1.0552	1.06	O				
57+ 0	1.0536	1.05	O				
57+ 5	1.0521	1.05	O				
57+10	1.0505	1.05	O				
57+15	1.0490	1.05	O				
57+20	1.0475	1.05	O				
57+25	1.0459	1.05	O				
57+30	1.0444	1.04	O				
57+35	1.0429	1.04	O				
57+40	1.0414	1.04	O				
57+45	1.0398	1.04	O				
57+50	1.0383	1.04	O				
57+55	1.0368	1.04	O				
58+ 0	1.0353	1.04	O				
58+ 5	1.0337	1.03	O				
58+10	1.0322	1.03	O				
58+15	1.0307	1.03	O				
58+20	1.0292	1.03	O				
58+25	1.0277	1.03	O				
58+30	1.0262	1.03	O				
58+35	1.0247	1.02	O				
58+40	1.0232	1.02	O				
58+45	1.0217	1.02	O				
58+50	1.0202	1.02	O				
58+55	1.0187	1.02	O				
59+ 0	1.0172	1.02	O				
59+ 5	1.0157	1.02	O				
59+10	1.0142	1.01	O				
59+15	1.0128	1.01	O				
59+20	1.0113	1.01	O				
59+25	1.0098	1.01	O				
59+30	1.0083	1.01	O				
59+35	1.0068	1.01	O				
59+40	1.0054	1.01	O				
59+45	1.0039	1.00	O				
59+50	1.0024	1.00	O				
59+55	1.0010	1.00	O				

60+ 0	0.9995	1.00	|O	|	|	|	|
60+ 5	0.9980	1.00	|O	|	|	|	|
60+10	0.9966	1.00	|O	|	|	|	|
60+15	0.9951	0.99	|O	|	|	|	|
60+20	0.9936	0.99	|O	|	|	|	|
60+25	0.9922	0.99	|O	|	|	|	|
60+30	0.9907	0.99	|O	|	|	|	|
60+35	0.9893	0.99	|O	|	|	|	|
60+40	0.9878	0.99	|O	|	|	|	|
60+45	0.9864	0.99	|O	|	|	|	|
60+50	0.9850	0.98	|O	|	|	|	|
60+55	0.9835	0.98	|O	|	|	|	|
61+ 0	0.9821	0.98	|O	|	|	|	|
61+ 5	0.9806	0.98	|O	|	|	|	|
61+10	0.9792	0.98	|O	|	|	|	|
61+15	0.9778	0.98	|O	|	|	|	|
61+20	0.9763	0.98	|O	|	|	|	|
61+25	0.9749	0.97	|O	|	|	|	|
61+30	0.9735	0.97	|O	|	|	|	|
61+35	0.9720	0.97	|O	|	|	|	|
61+40	0.9706	0.97	|O	|	|	|	|
61+45	0.9692	0.97	|O	|	|	|	|
61+50	0.9678	0.97	|O	|	|	|	|
61+55	0.9664	0.97	|O	|	|	|	|
62+ 0	0.9650	0.96	|O	|	|	|	|
62+ 5	0.9635	0.96	|O	|	|	|	|
62+10	0.9621	0.96	|O	|	|	|	|
62+15	0.9607	0.96	|O	|	|	|	|
62+20	0.9593	0.96	|O	|	|	|	|
62+25	0.9579	0.96	|O	|	|	|	|
62+30	0.9565	0.96	|O	|	|	|	|
62+35	0.9551	0.95	|O	|	|	|	|
62+40	0.9537	0.95	|O	|	|	|	|
62+45	0.9523	0.95	|O	|	|	|	|
62+50	0.9509	0.95	|O	|	|	|	|
62+55	0.9495	0.95	|O	|	|	|	|
63+ 0	0.9481	0.95	|O	|	|	|	|
63+ 5	0.9467	0.95	|O	|	|	|	|
63+10	0.9454	0.95	|O	|	|	|	|
63+15	0.9440	0.94	|O	|	|	|	|
63+20	0.9426	0.94	|O	|	|	|	|
63+25	0.9412	0.94	|O	|	|	|	|
63+30	0.9398	0.94	|O	|	|	|	|
63+35	0.9385	0.94	|O	|	|	|	|
63+40	0.9371	0.94	|O	|	|	|	|
63+45	0.9357	0.94	|O	|	|	|	|
63+50	0.9343	0.93	|O	|	|	|	|
63+55	0.9330	0.93	|O	|	|	|	|
64+ 0	0.9316	0.93	|O	|	|	|	|
64+ 5	0.9302	0.93	|O	|	|	|	|
64+10	0.9289	0.93	|O	|	|	|	|
64+15	0.9275	0.93	|O	|	|	|	|
64+20	0.9262	0.93	|O	|	|	|	|
64+25	0.9248	0.92	|O	|	|	|	|
64+30	0.9235	0.92	|O	|	|	|	|
64+35	0.9221	0.92	|O	|	|	|	|
64+40	0.9207	0.92	|O	|	|	|	|
64+45	0.9194	0.92	|O	|	|	|	|
64+50	0.9181	0.92	|O	|	|	|	|
64+55	0.9167	0.92	|O	|	|	|	|
65+ 0	0.9154	0.92	|O	|	|	|	|
65+ 5	0.9140	0.91	|O	|	|	|	|
65+10	0.9127	0.91	|O	|	|	|	|
65+15	0.9112	0.91	|O	|	|	|	|
65+20	0.9094	0.91	|O	|	|	|	|
65+25	0.9073	0.91	|O	|	|	|	|
65+30	0.9052	0.90	|O	|	|	|	|
65+35	0.9030	0.90	|O	|	|	|	|
65+40	0.9007	0.90	|O	|	|	|	|
65+45	0.8984	0.90	|O	|	|	|	|
65+50	0.8961	0.90	|O	|	|	|	|
65+55	0.8939	0.89	|O	|	|	|	|
66+ 0	0.8916	0.89	|O	|	|	|	|
66+ 5	0.8893	0.89	|O	|	|	|	|
66+10	0.8870	0.89	|O	|	|	|	|
66+15	0.8848	0.88	|O	|	|	|	|
66+20	0.8825	0.88	|O	|	|	|	|
66+25	0.8802	0.88	|O	|	|	|	|
66+30	0.8780	0.88	|O	|	|	|	|
66+35	0.8758	0.88	|O	|	|	|	|
66+40	0.8735	0.87	|O	|	|	|	|
66+45	0.8713	0.87	|O	|	|	|	|
66+50	0.8691	0.87	|O	|	|	|	|
66+55	0.8668	0.87	|O	|	|	|	|
67+ 0	0.8646	0.86	|O	|	|	|	|
67+ 5	0.8624	0.86	|O	|	|	|	|
67+10	0.8602	0.86	|O	|	|	|	|
67+15	0.8580	0.86	|O	|	|	|	|
67+20	0.8558	0.86	|O	|	|	|	|
67+25	0.8536	0.85	|O	|	|	|	|
67+30	0.8514	0.85	|O	|	|	|	|
67+35	0.8493	0.85	|O	|	|	|	|
67+40	0.8471	0.85	|O	|	|	|	|
67+45	0.8449	0.84	|O	|	|	|	|
67+50	0.8428	0.84	|O	|	|	|	|
67+55	0.8406	0.84	|O	|	|	|	|
68+ 0	0.8385	0.84	|O	|	|	|	|
68+ 5	0.8363	0.84	|O	|	|	|	|
68+10	0.8342	0.83	|O	|	|	|	|
68+15	0.8320	0.83	|O	|	|	|	|
68+20	0.8299	0.83	O	|	|	|	|
68+25	0.8278	0.83	O	|	|	|	|
68+30	0.8257	0.83	O	|	|	|	|
68+35	0.8236	0.82	O	|	|	|	|
68+40	0.8215	0.82	O	|	|	|	|
68+45	0.8194	0.82	O	|	|	|	|
68+50	0.8173	0.82	O	|	|	|	|
68+55	0.8152	0.82	O	|	|	|	|
69+ 0	0.8131	0.81	O	|	|	|	|
69+ 5	0.8110	0.81	O	|	|	|	|
69+10	0.8089	0.81	O	|	|	|	|
69+15	0.8069	0.81	O	|	|	|	|
69+20	0.8048	0.80	O	|	|	|	|
69+25	0.8028	0.80	O	|	|	|	|
69+30	0.8007	0.80	O	|	|	|	|
69+35	0.7987	0.80	O	|	|	|	|
69+40	0.7966	0.80	O	|	|	|	|
69+45	0.7946	0.79	O	|	|	|	|
69+50	0.7925	0.79	O	|	|	|	|
69+55	0.7905	0.79	O	|	|	|	|
70+ 0	0.7885	0.79	O	|	|	|	|
70+ 5	0.7865	0.79	O	|	|	|	|

70+10	0.7845	0.78	O				
70+15	0.7825	0.78	O				
70+20	0.7805	0.78	O				
70+25	0.7785	0.78	O				
70+30	0.7765	0.78	O				
70+35	0.7745	0.77	O				
70+40	0.7725	0.77	O				
70+45	0.7705	0.77	O				
70+50	0.7686	0.77	O				
70+55	0.7666	0.77	O				
71+ 0	0.7646	0.76	O				
71+ 5	0.7627	0.76	O				
71+10	0.7607	0.76	O				
71+15	0.7588	0.76	O				
71+20	0.7568	0.76	O				
71+25	0.7549	0.75	O				
71+30	0.7530	0.75	O				
71+35	0.7511	0.75	O				
71+40	0.7491	0.75	O				
71+45	0.7472	0.75	O				
71+50	0.7453	0.75	O				
71+55	0.7434	0.74	O				
72+ 0	0.7415	0.74	O				
72+ 5	0.7396	0.74	O				
72+10	0.7377	0.74	O				
72+15	0.7358	0.74	O				
72+20	0.7340	0.73	O				
72+25	0.7321	0.73	O				
72+30	0.7302	0.73	O				
72+35	0.7283	0.73	O				
72+40	0.7265	0.73	O				
72+45	0.7246	0.72	O				
72+50	0.7228	0.72	O				
72+55	0.7209	0.72	O				
73+ 0	0.7191	0.72	O				
73+ 5	0.7172	0.72	O				
73+10	0.7154	0.72	O				
73+15	0.7136	0.71	O				
73+20	0.7117	0.71	O				
73+25	0.7099	0.71	O				
73+30	0.7081	0.71	O				
73+35	0.7063	0.71	O				
73+40	0.7045	0.70	O				
73+45	0.7027	0.70	O				
73+50	0.7009	0.70	O				
73+55	0.6991	0.70	O				
74+ 0	0.6973	0.70	O				
74+ 5	0.6955	0.70	O				
74+10	0.6938	0.69	O				
74+15	0.6920	0.69	O				
74+20	0.6902	0.69	O				
74+25	0.6885	0.69	O				
74+30	0.6867	0.69	O				
74+35	0.6849	0.68	O				
74+40	0.6832	0.68	O				
74+45	0.6814	0.68	O				
74+50	0.6797	0.68	O				
74+55	0.6780	0.68	O				
75+ 0	0.6762	0.68	O				
75+ 5	0.6745	0.67	O				
75+10	0.6728	0.67	O				
75+15	0.6710	0.67	O				
75+20	0.6693	0.67	O				
75+25	0.6676	0.67	O				
75+30	0.6659	0.67	O				
75+35	0.6642	0.66	O				
75+40	0.6625	0.66	O				
75+45	0.6608	0.66	O				
75+50	0.6591	0.66	O				
75+55	0.6574	0.66	O				
76+ 0	0.6558	0.66	O				
76+ 5	0.6541	0.65	O				
76+10	0.6524	0.65	O				
76+15	0.6507	0.65	O				
76+20	0.6491	0.65	O				
76+25	0.6474	0.65	O				
76+30	0.6458	0.65	O				
76+35	0.6441	0.64	O				
76+40	0.6425	0.64	O				
76+45	0.6408	0.64	O				
76+50	0.6392	0.64	O				
76+55	0.6376	0.64	O				
77+ 0	0.6359	0.64	O				
77+ 5	0.6343	0.63	O				
77+10	0.6327	0.63	O				
77+15	0.6311	0.63	O				
77+20	0.6294	0.63	O				
77+25	0.6278	0.63	O				
77+30	0.6262	0.63	O				
77+35	0.6246	0.62	O				
77+40	0.6230	0.62	O				
77+45	0.6214	0.62	O				
77+50	0.6199	0.62	O				
77+55	0.6183	0.62	O				
78+ 0	0.6167	0.62	O				
78+ 5	0.6151	0.61	O				
78+10	0.6135	0.61	O				
78+15	0.6120	0.61	O				
78+20	0.6104	0.61	O				
78+25	0.6088	0.61	O				
78+30	0.6073	0.61	O				
78+35	0.6057	0.61	O				
78+40	0.6042	0.60	O				
78+45	0.6026	0.60	O				
78+50	0.6011	0.60	O				
78+55	0.5996	0.60	O				
79+ 0	0.5980	0.60	O				
79+ 5	0.5965	0.60	O				
79+10	0.5950	0.59	O				
79+15	0.5935	0.59	O				
79+20	0.5919	0.59	O				
79+25	0.5904	0.59	O				
79+30	0.5889	0.59	O				
79+35	0.5874	0.59	O				
79+40	0.5859	0.59	O				
79+45	0.5844	0.58	O				
79+50	0.5829	0.58	O				
79+55	0.5814	0.58	O				
80+ 0	0.5799	0.58	O				
80+ 5	0.5785	0.58	O				
80+10	0.5770	0.58	O				
80+15	0.5755	0.58	O				

80+20	0.5740	0.57	O					85+25	0.4750	0.47	O				
80+25	0.5726	0.57	O					85+30	0.4716	0.47	O				
80+30	0.5711	0.57	O					85+35	0.4682	0.47	O				
80+35	0.5696	0.57	O					85+40	0.4648	0.46	O				
80+40	0.5682	0.57	O					85+45	0.4615	0.46	O				
80+45	0.5667	0.57	O					85+50	0.4581	0.46	O				
80+50	0.5653	0.57	O					85+55	0.4548	0.45	O				
80+55	0.5638	0.56	O					86+ 0	0.4516	0.45	O				
81+ 0	0.5624	0.56	O					86+ 5	0.4483	0.45	O				
81+ 5	0.5610	0.56	O					86+10	0.4451	0.44	O				
81+10	0.5595	0.56	O					86+15	0.4418	0.44	O				
81+15	0.5581	0.56	O					86+20	0.4387	0.44	O				
81+20	0.5567	0.56	O					86+25	0.4355	0.44	O				
81+25	0.5552	0.56	O					86+30	0.4323	0.43	O				
81+30	0.5538	0.55	O					86+35	0.4292	0.43	O				
81+35	0.5524	0.55	O					86+40	0.4261	0.43	O				
81+40	0.5510	0.55	O					86+45	0.4230	0.42	O				
81+45	0.5496	0.55	O					86+50	0.4200	0.42	O				
81+50	0.5482	0.55	O					86+55	0.4169	0.42	O				
81+55	0.5468	0.55	O					87+ 0	0.4139	0.41	O				
82+ 0	0.5454	0.55	O					87+ 5	0.4109	0.41	O				
82+ 5	0.5440	0.54	O					87+10	0.4080	0.41	O				
82+10	0.5426	0.54	O					87+15	0.4050	0.40	O				
82+15	0.5412	0.54	O					87+20	0.4021	0.40	O				
82+20	0.5398	0.54	O					87+25	0.3992	0.40	O				
82+25	0.5384	0.54	O					87+30	0.3963	0.40	O				
82+30	0.5371	0.54	O					87+35	0.3935	0.39	O				
82+35	0.5357	0.54	O					87+40	0.3906	0.39	O				
82+40	0.5343	0.53	O					87+45	0.3878	0.39	O				
82+45	0.5330	0.53	O					87+50	0.3850	0.38	O				
82+50	0.5316	0.53	O					87+55	0.3822	0.38	O				
82+55	0.5302	0.53	O					88+ 0	0.3794	0.38	O				
83+ 0	0.5289	0.53	O					88+ 5	0.3767	0.38	O				
83+ 5	0.5275	0.53	O					88+10	0.3740	0.37	O				
83+10	0.5262	0.53	O					88+15	0.3713	0.37	O				
83+15	0.5248	0.52	O					88+20	0.3686	0.37	O				
83+20	0.5235	0.52	O					88+25	0.3659	0.37	O				
83+25	0.5222	0.52	O					88+30	0.3633	0.36	O				
83+30	0.5208	0.52	O					88+35	0.3607	0.36	O				
83+35	0.5195	0.52	O					88+40	0.3581	0.36	O				
83+40	0.5182	0.52	O					88+45	0.3555	0.36	O				
83+45	0.5168	0.52	O					88+50	0.3529	0.35	O				
83+50	0.5155	0.52	O					88+55	0.3504	0.35	O				
83+55	0.5142	0.51	O					89+ 0	0.3478	0.35	O				
84+ 0	0.5129	0.51	O					89+ 5	0.3453	0.35	O				
84+ 5	0.5116	0.51	O					89+10	0.3428	0.34	O				
84+10	0.5103	0.51	O					89+15	0.3403	0.34	O				
84+15	0.5090	0.51	O					89+20	0.3379	0.34	O				
84+20	0.5077	0.51	O					89+25	0.3354	0.34	O				
84+25	0.5064	0.51	O					89+30	0.3330	0.33	O				
84+30	0.5051	0.50	O					89+35	0.3306	0.33	O				
84+35	0.5038	0.50	O					89+40	0.3282	0.33	O				
84+40	0.5025	0.50	O					89+45	0.3259	0.33	O				
84+45	0.5007	0.50	O					89+50	0.3235	0.32	O				
84+50	0.4983	0.50	O					89+55	0.3212	0.32	O				
84+55	0.4953	0.50	O					90+ 0	0.3189	0.32	O				
85+ 0	0.4921	0.49	O					90+ 5	0.3165	0.32	O				
85+ 5	0.4888	0.49	O					90+10	0.3143	0.31	O				
85+10	0.4853	0.49	O					90+15	0.3120	0.31	O				
85+15	0.4819	0.48	O					90+20	0.3097	0.31	O				
85+20	0.4785	0.48	O					90+25	0.3075	0.31	O				

90+30	0.3053	0.31	O					95+35	0.1962	0.20	O				
90+35	0.3031	0.30	O					95+40	0.1948	0.19	O				
90+40	0.3009	0.30	O					95+45	0.1934	0.19	O				
90+45	0.2987	0.30	O					95+50	0.1920	0.19	O				
90+50	0.2966	0.30	O					95+55	0.1906	0.19	O				
90+55	0.2944	0.29	O					96+ 0	0.1892	0.19	O				
91+ 0	0.2923	0.29	O					96+ 5	0.1878	0.19	O				
91+ 5	0.2902	0.29	O					96+10	0.1865	0.19	O				
91+10	0.2881	0.29	O					96+15	0.1851	0.19	O				
91+15	0.2860	0.29	O					96+20	0.1838	0.18	O				
91+20	0.2839	0.28	O					96+25	0.1825	0.18	O				
91+25	0.2819	0.28	O					96+30	0.1811	0.18	O				
91+30	0.2798	0.28	O					96+35	0.1798	0.18	O				
91+35	0.2778	0.28	O					96+40	0.1785	0.18	O				
91+40	0.2758	0.28	O					96+45	0.1772	0.18	O				
91+45	0.2738	0.27	O					96+50	0.1760	0.18	O				
91+50	0.2718	0.27	O					96+55	0.1747	0.17	O				
91+55	0.2699	0.27	O					97+ 0	0.1734	0.17	O				
92+ 0	0.2679	0.27	O					97+ 5	0.1722	0.17	O				
92+ 5	0.2660	0.27	O					97+10	0.1709	0.17	O				
92+10	0.2641	0.26	O					97+15	0.1697	0.17	O				
92+15	0.2622	0.26	O					97+20	0.1685	0.17	O				
92+20	0.2603	0.26	O					97+25	0.1673	0.17	O				
92+25	0.2584	0.26	O					97+30	0.1660	0.17	O				
92+30	0.2565	0.26	O					97+35	0.1648	0.16	O				
92+35	0.2547	0.25	O					97+40	0.1637	0.16	O				
92+40	0.2528	0.25	O					97+45	0.1625	0.16	O				
92+45	0.2510	0.25	O					97+50	0.1613	0.16	O				
92+50	0.2492	0.25	O					97+55	0.1601	0.16	O				
92+55	0.2474	0.25	O					98+ 0	0.1590	0.16	O				
93+ 0	0.2456	0.25	O					98+ 5	0.1578	0.16	O				
93+ 5	0.2438	0.24	O					98+10	0.1567	0.16	O				
93+10	0.2421	0.24	O					98+15	0.1556	0.16	O				
93+15	0.2403	0.24	O					98+20	0.1544	0.15	O				
93+20	0.2386	0.24	O					98+25	0.1533	0.15	O				
93+25	0.2369	0.24	O					98+30	0.1522	0.15	O				
93+30	0.2352	0.24	O					98+35	0.1511	0.15	O				
93+35	0.2335	0.23	O					98+40	0.1500	0.15	O				
93+40	0.2318	0.23	O					98+45	0.1489	0.15	O				
93+45	0.2301	0.23	O					98+50	0.1479	0.15	O				
93+50	0.2284	0.23	O					98+55	0.1468	0.15	O				
93+55	0.2268	0.23	O					99+ 0	0.1457	0.15	O				
94+ 0	0.2251	0.23	O					99+ 5	0.1447	0.14	O				
94+ 5	0.2235	0.22	O					99+10	0.1436	0.14	O				
94+10	0.2219	0.22	O					99+15	0.1426	0.14	O				
94+15	0.2203	0.22	O					99+20	0.1416	0.14	O				
94+20	0.2187	0.22	O					99+25	0.1405	0.14	O				
94+25	0.2171	0.22	O					99+30	0.1395	0.14	O				
94+30	0.2156	0.22	O					99+35	0.1385	0.14	O				
94+35	0.2140	0.21	O					99+40	0.1375	0.14	O				
94+40	0.2125	0.21	O					99+45	0.1365	0.14	O				
94+45	0.2109	0.21	O					99+50	0.1355	0.14	O				
94+50	0.2094	0.21	O					99+55	0.1346	0.13	O				
94+55	0.2079	0.21	O					100+ 0	0.1336	0.13	O				
95+ 0	0.2064	0.21	O					100+ 5	0.1326	0.13	O				
95+ 5	0.2049	0.20	O					100+10	0.1317	0.13	O				
95+10	0.2034	0.20	O					100+15	0.1307	0.13	O				
95+15	0.2019	0.20	O					100+20	0.1298	0.13	O				
95+20	0.2005	0.20	O					100+25	0.1288	0.13	O				
95+25	0.1990	0.20	O					100+30	0.1279	0.13	O				
95+30	0.1976	0.20	O					100+35	0.1270	0.13	O				

100+40	0.1261	0.13	O				
100+45	0.1252	0.13	O				
100+50	0.1242	0.12	O				
100+55	0.1234	0.12	O				
101+ 0	0.1225	0.12	O				
101+ 5	0.1216	0.12	O				
101+10	0.1207	0.12	O				
101+15	0.1198	0.12	O				
101+20	0.1190	0.12	O				
101+25	0.1181	0.12	O				
101+30	0.1172	0.12	O				
101+35	0.1164	0.12	O				
101+40	0.1156	0.12	O				
101+45	0.1147	0.11	O				
101+50	0.1139	0.11	O				
101+55	0.1131	0.11	O				
102+ 0	0.1123	0.11	O				
102+ 5	0.1114	0.11	O				
102+10	0.1106	0.11	O				
102+15	0.1098	0.11	O				
102+20	0.1090	0.11	O				
102+25	0.1083	0.11	O				
102+30	0.1075	0.11	O				
102+35	0.1067	0.11	O				
102+40	0.1059	0.11	O				
102+45	0.1052	0.11	O				
102+50	0.1044	0.10	O				
102+55	0.1037	0.10	O				
103+ 0	0.1029	0.10	O				
103+ 5	0.1022	0.10	O				
103+10	0.1014	0.10	O				
103+15	0.1007	0.10	O				
103+20	0.1000	0.10	O				
103+25	0.0992	0.10	O				
103+30	0.0985	0.10	O				
103+35	0.0978	0.10	O				
103+40	0.0971	0.10	O				
103+45	0.0964	0.10	O				
103+50	0.0957	0.10	O				
103+55	0.0950	0.09	O				
104+ 0	0.0943	0.09	O				
104+ 5	0.0936	0.09	O				
104+10	0.0930	0.09	O				
104+15	0.0923	0.09	O				
104+20	0.0916	0.09	O				
104+25	0.0910	0.09	O				
104+30	0.0903	0.09	O				
104+35	0.0897	0.09	O				
104+40	0.0890	0.09	O				
104+45	0.0884	0.09	O				
104+50	0.0877	0.09	O				
104+55	0.0871	0.09	O				
105+ 0	0.0865	0.09	O				
105+ 5	0.0858	0.09	O				
105+10	0.0852	0.09	O				
105+15	0.0846	0.08	O				
105+20	0.0840	0.08	O				
105+25	0.0834	0.08	O				
105+30	0.0828	0.08	O				
105+35	0.0822	0.08	O				
105+40	0.0816	0.08	O				
105+45	0.0810	0.08	O				
105+50	0.0804	0.08	O				
105+55	0.0798	0.08	O				
106+ 0	0.0793	0.08	O				
106+ 5	0.0787	0.08	O				
106+10	0.0781	0.08	O				
106+15	0.0776	0.08	O				
106+20	0.0770	0.08	O				
106+25	0.0764	0.08	O				
106+30	0.0759	0.08	O				
106+35	0.0753	0.08	O				
106+40	0.0748	0.07	O				
106+45	0.0743	0.07	O				
106+50	0.0737	0.07	O				
106+55	0.0732	0.07	O				
107+ 0	0.0727	0.07	O				
107+ 5	0.0721	0.07	O				
107+10	0.0716	0.07	O				
107+15	0.0711	0.07	O				
107+20	0.0706	0.07	O				
107+25	0.0701	0.07	O				
107+30	0.0696	0.07	O				
107+35	0.0691	0.07	O				
107+40	0.0686	0.07	O				
107+45	0.0681	0.07	O				
107+50	0.0676	0.07	O				
107+55	0.0671	0.07	O				
108+ 0	0.0666	0.07	O				
108+ 5	0.0661	0.07	O				
108+10	0.0656	0.07	O				
108+15	0.0652	0.07	O				
108+20	0.0647	0.06	O				
108+25	0.0642	0.06	O				
108+30	0.0638	0.06	O				
108+35	0.0633	0.06	O				
108+40	0.0629	0.06	O				
108+45	0.0624	0.06	O				
108+50	0.0619	0.06	O				
108+55	0.0615	0.06	O				
109+ 0	0.0611	0.06	O				
109+ 5	0.0606	0.06	O				
109+10	0.0602	0.06	O				
109+15	0.0597	0.06	O				
109+20	0.0593	0.06	O				
109+25	0.0589	0.06	O				
109+30	0.0585	0.06	O				
109+35	0.0580	0.06	O				
109+40	0.0576	0.06	O				
109+45	0.0572	0.06	O				
109+50	0.0568	0.06	O				
109+55	0.0564	0.06	O				
110+ 0	0.0560	0.06	O				
110+ 5	0.0556	0.06	O				
110+10	0.0552	0.06	O				
110+15	0.0548	0.05	O				
110+20	0.0544	0.05	O				
110+25	0.0540	0.05	O				
110+30	0.0536	0.05	O				
110+35	0.0532	0.05	O				
110+40	0.0528	0.05	O				
110+45	0.0524	0.05	O				

110+50	0.0521	0.05	O					115+55	0.0335	0.03	O				
110+55	0.0517	0.05	O					116+ 0	0.0332	0.03	O				
111+ 0	0.0513	0.05	O					116+ 5	0.0330	0.03	O				
111+ 5	0.0509	0.05	O					116+10	0.0327	0.03	O				
111+10	0.0506	0.05	O					116+15	0.0325	0.03	O				
111+15	0.0502	0.05	O					116+20	0.0323	0.03	O				
111+20	0.0498	0.05	O					116+25	0.0320	0.03	O				
111+25	0.0495	0.05	O					116+30	0.0318	0.03	O				
111+30	0.0491	0.05	O					116+35	0.0316	0.03	O				
111+35	0.0488	0.05	O					116+40	0.0313	0.03	O				
111+40	0.0484	0.05	O					116+45	0.0311	0.03	O				
111+45	0.0481	0.05	O					116+50	0.0309	0.03	O				
111+50	0.0477	0.05	O					116+55	0.0307	0.03	O				
111+55	0.0474	0.05	O					117+ 0	0.0304	0.03	O				
112+ 0	0.0470	0.05	O					117+ 5	0.0302	0.03	O				
112+ 5	0.0467	0.05	O					117+10	0.0300	0.03	O				
112+10	0.0464	0.05	O					117+15	0.0298	0.03	O				
112+15	0.0460	0.05	O					117+20	0.0296	0.03	O				
112+20	0.0457	0.05	O					117+25	0.0294	0.03	O				
112+25	0.0454	0.05	O					117+30	0.0291	0.03	O				
112+30	0.0450	0.05	O					117+35	0.0289	0.03	O				
112+35	0.0447	0.04	O					117+40	0.0287	0.03	O				
112+40	0.0444	0.04	O					117+45	0.0285	0.03	O				
112+45	0.0441	0.04	O					117+50	0.0283	0.03	O				
112+50	0.0437	0.04	O					117+55	0.0281	0.03	O				
112+55	0.0434	0.04	O					118+ 0	0.0279	0.03	O				
113+ 0	0.0431	0.04	O					118+ 5	0.0277	0.03	O				
113+ 5	0.0428	0.04	O					118+10	0.0275	0.03	O				
113+10	0.0425	0.04	O					118+15	0.0273	0.03	O				
113+15	0.0422	0.04	O					118+20	0.0271	0.03	O				
113+20	0.0419	0.04	O					118+25	0.0269	0.03	O				
113+25	0.0416	0.04	O					118+30	0.0267	0.03	O				
113+30	0.0413	0.04	O					118+35	0.0265	0.03	O				
113+35	0.0410	0.04	O					118+40	0.0263	0.03	O				
113+40	0.0407	0.04	O					118+45	0.0261	0.03	O				
113+45	0.0404	0.04	O					118+50	0.0260	0.03	O				
113+50	0.0401	0.04	O					118+55	0.0258	0.03	O				
113+55	0.0398	0.04	O					119+ 0	0.0256	0.03	O				
114+ 0	0.0395	0.04	O					119+ 5	0.0254	0.03	O				
114+ 5	0.0392	0.04	O					119+10	0.0252	0.03	O				
114+10	0.0390	0.04	O					119+15	0.0250	0.03	O				
114+15	0.0387	0.04	O					119+20	0.0249	0.02	O				
114+20	0.0384	0.04	O					119+25	0.0247	0.02	O				
114+25	0.0381	0.04	O					119+30	0.0245	0.02	O				
114+30	0.0378	0.04	O					119+35	0.0243	0.02	O				
114+35	0.0376	0.04	O					119+40	0.0241	0.02	O				
114+40	0.0373	0.04	O					119+45	0.0240	0.02	O				
114+45	0.0370	0.04	O					119+50	0.0238	0.02	O				
114+50	0.0368	0.04	O					119+55	0.0236	0.02	O				
114+55	0.0365	0.04	O					120+ 0	0.0235	0.02	O				
115+ 0	0.0362	0.04	O					120+ 5	0.0233	0.02	O				
115+ 5	0.0360	0.04	O					120+10	0.0231	0.02	O				
115+10	0.0357	0.04	O					120+15	0.0229	0.02	O				
115+15	0.0354	0.04	O					120+20	0.0228	0.02	O				
115+20	0.0352	0.04	O					120+25	0.0226	0.02	O				
115+25	0.0349	0.03	O					120+30	0.0225	0.02	O				
115+30	0.0347	0.03	O					120+35	0.0223	0.02	O				
115+35	0.0344	0.03	O					120+40	0.0221	0.02	O				
115+40	0.0342	0.03	O					120+45	0.0220	0.02	O				
115+45	0.0339	0.03	O					120+50	0.0218	0.02	O				
115+50	0.0337	0.03	O					120+55	0.0217	0.02	O				

121+ 0	0.0215	0.02	O				
121+ 5	0.0213	0.02	O				
121+10	0.0212	0.02	O				
121+15	0.0210	0.02	O				
121+20	0.0209	0.02	O				
121+25	0.0207	0.02	O				
121+30	0.0206	0.02	O				
121+35	0.0204	0.02	O				
121+40	0.0203	0.02	O				
121+45	0.0201	0.02	O				
121+50	0.0200	0.02	O				
121+55	0.0198	0.02	O				
122+ 0	0.0197	0.02	O				
122+ 5	0.0196	0.02	O				
122+10	0.0194	0.02	O				
122+15	0.0193	0.02	O				
122+20	0.0191	0.02	O				
122+25	0.0190	0.02	O				
122+30	0.0189	0.02	O				
122+35	0.0187	0.02	O				
122+40	0.0186	0.02	O				
122+45	0.0185	0.02	O				
122+50	0.0183	0.02	O				
122+55	0.0182	0.02	O				
123+ 0	0.0181	0.02	O				
123+ 5	0.0179	0.02	O				
123+10	0.0178	0.02	O				
123+15	0.0177	0.02	O				
123+20	0.0175	0.02	O				
123+25	0.0174	0.02	O				
123+30	0.0173	0.02	O				
123+35	0.0172	0.02	O				
123+40	0.0170	0.02	O				
123+45	0.0169	0.02	O				
123+50	0.0168	0.02	O				
123+55	0.0167	0.02	O				
124+ 0	0.0166	0.02	O				
124+ 5	0.0164	0.02	O				
124+10	0.0163	0.02	O				
124+15	0.0162	0.02	O				
124+20	0.0161	0.02	O				
124+25	0.0160	0.02	O				
124+30	0.0159	0.02	O				
124+35	0.0157	0.02	O				
124+40	0.0156	0.02	O				
124+45	0.0155	0.02	O				
124+50	0.0154	0.02	O				
124+55	0.0153	0.02	O				
125+ 0	0.0152	0.02	O				
125+ 5	0.0151	0.02	O				
125+10	0.0150	0.01	O				
125+15	0.0149	0.01	O				
125+20	0.0147	0.01	O				
125+25	0.0146	0.01	O				
125+30	0.0145	0.01	O				
125+35	0.0144	0.01	O				
125+40	0.0143	0.01	O				
125+45	0.0142	0.01	O				
125+50	0.0141	0.01	O				
125+55	0.0140	0.01	O				
126+ 0	0.0139	0.01	O				
126+ 5	0.0138	0.01	O				
126+10	0.0137	0.01	O				
126+15	0.0136	0.01	O				
126+20	0.0135	0.01	O				
126+25	0.0134	0.01	O				
126+30	0.0133	0.01	O				
126+35	0.0132	0.01	O				
126+40	0.0131	0.01	O				
126+45	0.0130	0.01	O				
126+50	0.0129	0.01	O				
126+55	0.0128	0.01	O				
127+ 0	0.0128	0.01	O				
127+ 5	0.0127	0.01	O				
127+10	0.0126	0.01	O				
127+15	0.0125	0.01	O				
127+20	0.0124	0.01	O				
127+25	0.0123	0.01	O				
127+30	0.0122	0.01	O				
127+35	0.0121	0.01	O				
127+40	0.0120	0.01	O				
127+45	0.0119	0.01	O				
127+50	0.0119	0.01	O				
127+55	0.0118	0.01	O				
128+ 0	0.0117	0.01	O				
128+ 5	0.0116	0.01	O				
128+10	0.0115	0.01	O				
128+15	0.0114	0.01	O				
128+20	0.0114	0.01	O				
128+25	0.0113	0.01	O				
128+30	0.0112	0.01	O				
128+35	0.0111	0.01	O				
128+40	0.0110	0.01	O				
128+45	0.0110	0.01	O				
128+50	0.0109	0.01	O				
128+55	0.0108	0.01	O				
129+ 0	0.0107	0.01	O				
129+ 5	0.0106	0.01	O				
129+10	0.0106	0.01	O				
129+15	0.0105	0.01	O				
129+20	0.0104	0.01	O				
129+25	0.0103	0.01	O				
129+30	0.0103	0.01	O				
129+35	0.0102	0.01	O				
129+40	0.0101	0.01	O				
129+45	0.0100	0.01	O				
129+50	0.0100	0.01	O				
129+55	0.0099	0.01	O				
130+ 0	0.0098	0.01	O				
130+ 5	0.0098	0.01	O				
130+10	0.0097	0.01	O				
130+15	0.0096	0.01	O				
130+20	0.0095	0.01	O				
130+25	0.0095	0.01	O				
130+30	0.0094	0.01	O				
130+35	0.0093	0.01	O				
130+40	0.0093	0.01	O				
130+45	0.0092	0.01	O				
130+50	0.0091	0.01	O				
130+55	0.0091	0.01	O				
131+ 0	0.0090	0.01	O				
131+ 5	0.0089	0.01	O				

131+10	0.0089	0.01	O				
131+15	0.0088	0.01	O				
131+20	0.0087	0.01	O				
131+25	0.0087	0.01	O				
131+30	0.0086	0.01	O				
131+35	0.0086	0.01	O				
131+40	0.0085	0.01	O				
131+45	0.0084	0.01	O				
131+50	0.0084	0.01	O				
131+55	0.0083	0.01	O				
132+ 0	0.0083	0.01	O				
132+ 5	0.0082	0.01	O				
132+10	0.0081	0.01	O				
132+15	0.0081	0.01	O				
132+20	0.0080	0.01	O				
132+25	0.0080	0.01	O				
132+30	0.0079	0.01	O				
132+35	0.0078	0.01	O				
132+40	0.0078	0.01	O				
132+45	0.0077	0.01	O				
132+50	0.0077	0.01	O				
132+55	0.0076	0.01	O				
133+ 0	0.0076	0.01	O				
133+ 5	0.0075	0.01	O				
133+10	0.0075	0.01	O				
133+15	0.0074	0.01	O				
133+20	0.0074	0.01	O				
133+25	0.0073	0.01	O				
133+30	0.0072	0.01	O				
133+35	0.0072	0.01	O				
133+40	0.0071	0.01	O				
133+45	0.0071	0.01	O				
133+50	0.0070	0.01	O				
133+55	0.0070	0.01	O				
134+ 0	0.0069	0.01	O				
134+ 5	0.0069	0.01	O				
134+10	0.0068	0.01	O				
134+15	0.0068	0.01	O				
134+20	0.0067	0.01	O				
134+25	0.0067	0.01	O				
134+30	0.0066	0.01	O				
134+35	0.0066	0.01	O				
134+40	0.0065	0.01	O				
134+45	0.0065	0.01	O				
134+50	0.0065	0.01	O				
134+55	0.0064	0.01	O				
135+ 0	0.0064	0.01	O				
135+ 5	0.0063	0.01	O				
135+10	0.0063	0.01	O				
135+15	0.0062	0.01	O				
135+20	0.0062	0.01	O				
135+25	0.0061	0.01	O				
135+30	0.0061	0.01	O				
135+35	0.0060	0.01	O				
135+40	0.0060	0.01	O				
135+45	0.0060	0.01	O				
135+50	0.0059	0.01	O				
135+55	0.0059	0.01	O				
136+ 0	0.0058	0.01	O				
136+ 5	0.0058	0.01	O				
136+10	0.0057	0.01	O				
136+15	0.0057	0.01	O				
136+20	0.0057	0.01	O				
136+25	0.0056	0.01	O				
136+30	0.0056	0.01	O				
136+35	0.0055	0.01	O				
136+40	0.0055	0.01	O				
136+45	0.0055	0.01	O				
136+50	0.0054	0.01	O				
136+55	0.0054	0.01	O				
137+ 0	0.0053	0.01	O				
137+ 5	0.0053	0.01	O				
137+10	0.0053	0.01	O				
137+15	0.0052	0.01	O				
137+20	0.0052	0.01	O				
137+25	0.0052	0.01	O				
137+30	0.0051	0.01	O				
137+35	0.0051	0.01	O				
137+40	0.0050	0.01	O				
137+45	0.0050	0.01	O				
137+50	0.0050	0.00	O				
137+55	0.0049	0.00	O				
138+ 0	0.0049	0.00	O				
138+ 5	0.0049	0.00	O				
138+10	0.0048	0.00	O				
138+15	0.0048	0.00	O				
138+20	0.0048	0.00	O				
138+25	0.0047	0.00	O				
138+30	0.0047	0.00	O				
138+35	0.0047	0.00	O				
138+40	0.0046	0.00	O				
138+45	0.0046	0.00	O				
138+50	0.0046	0.00	O				
138+55	0.0045	0.00	O				
139+ 0	0.0045	0.00	O				
139+ 5	0.0045	0.00	O				
139+10	0.0044	0.00	O				
139+15	0.0044	0.00	O				
139+20	0.0044	0.00	O				
139+25	0.0043	0.00	O				
139+30	0.0043	0.00	O				
139+35	0.0043	0.00	O				
139+40	0.0042	0.00	O				
139+45	0.0042	0.00	O				
139+50	0.0042	0.00	O				
139+55	0.0041	0.00	O				

**********HYDROGRAPH DATA**********

Number of intervals = 1876
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 32.888 (CFS)
Total volume = 13.234 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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      Process from Point/Station        3.400 to Point/Station        3.400
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ____________________________________________________________________
      ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP3C3100.rte
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
      --------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals (CFS)

      --------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       10.8      21.6      32.4      43.2
--------------------------------------------------------------------------
  0+ 5       0.1558      0.29  Q          |         |         |         |
  0+10       0.3153      1.10  qQ         |         |         |         |
  0+15       0.3079      1.42  qQ         |         |         |         |
  0+20       0.3335      1.57  qQ         |         |         |         |
  0+25       0.3800      1.91  qQ         |         |         |         |
  0+30       0.5188      2.38  q Q        |         |         |         |
  0+35       0.5226      3.06  q Q        |         |         |         |
  0+40       0.5337      2.96  q Q        |         |         |         |
  0+45       0.6585      3.65  q  Q       |         |         |         |
  0+50       0.5368      3.71  q  Q       |         |         |         |
  0+55       0.4136      3.10  q Q        |         |         |         |
  1+ 0       0.5336      3.30  q  Q       |         |         |         |
  1+ 5       1.0003      4.49  q   Q      |         |         |         |
  1+10       1.3639      6.11  |q   Q     |         |         |         |
  1+15       1.4020      6.77  |q    Q    |         |         |         |
  1+20       1.2356      6.78  |q    Q    |         |         |         |
  1+25       1.5741      7.07  |q    Q    |         |         |         |
  1+30       2.1672      9.03  | q     Q  |         |         |         |
  1+35       2.0502      9.69  |q      Q  |         |         |         |
  1+40       2.0605      9.54  |q      Q  |         |         |         |
  1+45       2.8110     11.18  | q       Q|         |         |         |
  1+50       3.1891     13.24  | q        | Q       |         |         |
  1+55       2.9009     13.21  | q        | Q       |         |         |
  2+ 0       2.8003     12.83  | q        |Q        |         |         |
  2+ 5       2.9529     13.13  | q        | Q       |         |         |
  2+10       3.9890     15.02  |  q       |  Q      |         |         |
  2+15       5.6480     19.96  |    q     |       Q |         |         |
  2+20       5.1659     22.09  |   q      |         Q         |         |
  2+25       6.7633     23.19  |     q    |         |Q        |         |
  2+30       9.9556     33.64  |        q |         |         |Q        |
  2+35      11.4466     40.27  |         q|         |         |      Q  |
  2+40      10.3511     43.24  |         q|         |         |        Q|
  2+45       5.0849     35.47  |   q      |         |         | Q       |
  2+50       1.2983     23.87  |q         |         | Q       |         |
  2+55       0.7403     20.68  q          |        Q|         |         |
  3+ 0       0.4332     20.00  q          |       Q |         |         |
  3+ 5       0.1114     18.92  q          |      Q  |         |         |
  3+10       0.0121     18.33  q          |     Q   |         |         |
  3+15       0.0010     17.85  q          |     Q   |         |         |
  3+20       0.0000     17.29  q          |    Q    |         |         |
  3+25       0.0000     16.69  q          |    Q    |         |         |
  3+30       0.0000     16.00  q          |   Q     |         |         |
  3+35       0.0000     15.28  q          |   Q     |         |         |
  3+40       0.0000     14.55  q          |  Q      |         |         |
  3+45       0.0000     13.83  q          | Q       |         |         |
  3+50       0.0000     13.14  q          | Q       |         |         |
  3+55       0.0000     12.47  q          |Q        |         |         |
  4+ 0       0.0000     11.83  q          Q         |         |         |
  4+ 5       0.0000     11.22  q          Q         |         |         |
  4+10       0.0000     10.65  q         Q|         |         |         |
  4+15       0.0000     10.10  q         Q|         |         |         |
  4+20       0.0000      9.59  q        Q |         |         |         |
  4+25       0.0000      9.10  q        Q |         |         |         |
  4+30       0.0000      8.64  q       Q  |         |         |         |
  4+35       0.0000      8.20  q       Q  |         |         |         |
  4+40       0.0000      7.78  q       Q  |         |         |         |
  4+45       0.0000      7.39  q      Q   |         |         |         |
  4+50       0.0000      7.01  q      Q   |         |         |         |
  4+55       0.0000      6.65  q      Q   |         |         |         |
  5+ 0       0.0000      6.32  q     Q    |         |         |         |
  5+ 5       0.0000      6.00  q     Q    |         |         |         |
  5+10       0.0000      5.69  q     Q    |         |         |         |
  5+15       0.0000      5.40  q    Q     |         |         |         |
  5+20       0.0000      5.13  q    Q     |         |         |         |
  5+25       0.0000      4.87  q    Q     |         |         |         |
  5+30       0.0000      4.62  q    Q     |         |         |         |
  5+35       0.0000      4.39  q    Q     |         |         |         |
  5+40       0.0000      4.16  q   Q      |         |         |         |
  5+45       0.0000      3.95  q   Q      |         |         |         |
  5+50       0.0000      3.75  q   Q      |         |         |         |
  5+55       0.0000      3.56  q   Q      |         |         |         |
  6+ 0       0.0000      3.38  q   Q      |         |         |         |
  6+ 5       0.0000      3.21  q Q        |         |         |         |
  6+10       0.0000      3.05  q Q        |         |         |         |
  6+15       0.0000      2.89  q Q        |         |         |         |
  6+20       0.0000      2.74  q Q        |         |         |         |
  6+25       0.0000      2.61  q Q        |         |         |         |
  6+30       0.0000      2.47  q Q        |         |         |         |
  6+35       0.0000      2.35  q Q        |         |         |         |
  6+40       0.0000      2.23  q Q        |         |         |         |
  6+45       0.0000      2.12  qQ         |         |         |         |
  6+50       0.0000      2.01  qQ         |         |         |         |
  6+55       0.0000      1.92  qQ         |         |         |         |
  7+ 0       0.0000      1.85  qQ         |         |         |         |
  7+ 5       0.0000      1.82  qQ         |         |         |         |
  7+10       0.0000      1.80  qQ         |         |         |         |
  7+15       0.0000      1.78  qQ         |         |         |         |
  7+20       0.0000      1.78  qQ         |         |         |         |
  7+25       0.0000      1.77  qQ         |         |         |         |
  7+30       0.0000      1.77  qQ         |         |         |         |
  7+35       0.0000      1.77  qQ         |         |         |         |
  7+40       0.0000      1.76  qQ         |         |         |         |
  7+45       0.0000      1.76  qQ         |         |         |         |
  7+50       0.0000      1.76  qQ         |         |         |         |
  7+55       0.0000      1.76  qQ         |         |         |         |
  8+ 0       0.0000      1.76  qQ         |         |         |         |
  8+ 5       0.0000      1.76  qQ         |         |         |         |
  8+10       0.0000      1.76  qQ         |         |         |         |
  8+15       0.0000      1.76  qQ         |         |         |         |
  8+20       0.0000      1.76  qQ         |         |         |         |
  8+25       0.0000      1.75  qQ         |         |         |         |
  8+30       0.0000      1.75  qQ         |         |         |         |
  8+35       0.0000      1.75  qQ         |         |         |         |
  8+40       0.0000      1.75  qQ         |         |         |         |
  8+45       0.0000      1.75  qQ         |         |         |         |
  8+50       0.0000      1.75  qQ         |         |         |         |
  8+55       0.0000      1.75  qQ         |         |         |         |
```

9+ 0	0.0000	1.75	qQ					14+ 5	0.0000	1.69	qQ				
9+ 5	0.0000	1.75	qQ					14+10	0.0000	1.69	qQ				
9+10	0.0000	1.75	qQ					14+15	0.0000	1.69	qQ				
9+15	0.0000	1.75	qQ					14+20	0.0000	1.69	qQ				
9+20	0.0000	1.74	qQ					14+25	0.0000	1.69	qQ				
9+25	0.0000	1.74	qQ					14+30	0.0000	1.69	qQ				
9+30	0.0000	1.74	qQ					14+35	0.0000	1.69	qQ				
9+35	0.0000	1.74	qQ					14+40	0.0000	1.69	qQ				
9+40	0.0000	1.74	qQ					14+45	0.0000	1.68	qQ				
9+45	0.0000	1.74	qQ					14+50	0.0000	1.68	qQ				
9+50	0.0000	1.74	qQ					14+55	0.0000	1.68	qQ				
9+55	0.0000	1.74	qQ					15+ 0	0.0000	1.68	qQ				
10+ 0	0.0000	1.74	qQ					15+ 5	0.0000	1.68	qQ				
10+ 5	0.0000	1.74	qQ					15+10	0.0000	1.68	qQ				
10+10	0.0000	1.73	qQ					15+15	0.0000	1.68	qQ				
10+15	0.0000	1.73	qQ					15+20	0.0000	1.68	qQ				
10+20	0.0000	1.73	qQ					15+25	0.0000	1.68	qQ				
10+25	0.0000	1.73	qQ					15+30	0.0000	1.67	qQ				
10+30	0.0000	1.73	qQ					15+35	0.0000	1.67	qQ				
10+35	0.0000	1.73	qQ					15+40	0.0000	1.67	qQ				
10+40	0.0000	1.73	qQ					15+45	0.0000	1.67	qQ				
10+45	0.0000	1.73	qQ					15+50	0.0000	1.67	qQ				
10+50	0.0000	1.73	qQ					15+55	0.0000	1.67	qQ				
10+55	0.0000	1.73	qQ					16+ 0	0.0000	1.67	qQ				
11+ 0	0.0000	1.73	qQ					16+ 5	0.0000	1.67	qQ				
11+ 5	0.0000	1.72	qQ					16+10	0.0000	1.67	qQ				
11+10	0.0000	1.72	qQ					16+15	0.0000	1.66	qQ				
11+15	0.0000	1.72	qQ					16+20	0.0000	1.66	qQ				
11+20	0.0000	1.72	qQ					16+25	0.0000	1.66	qQ				
11+25	0.0000	1.72	qQ					16+30	0.0000	1.66	qQ				
11+30	0.0000	1.72	qQ					16+35	0.0000	1.66	qQ				
11+35	0.0000	1.72	qQ					16+40	0.0000	1.66	qQ				
11+40	0.0000	1.72	qQ					16+45	0.0000	1.66	qQ				
11+45	0.0000	1.72	qQ					16+50	0.0000	1.66	qQ				
11+50	0.0000	1.72	qQ					16+55	0.0000	1.66	qQ				
11+55	0.0000	1.72	qQ					17+ 0	0.0000	1.66	qQ				
12+ 0	0.0000	1.71	qQ					17+ 5	0.0000	1.65	qQ				
12+ 5	0.0000	1.71	qQ					17+10	0.0000	1.65	qQ				
12+10	0.0000	1.71	qQ					17+15	0.0000	1.65	qQ				
12+15	0.0000	1.71	qQ					17+20	0.0000	1.65	qQ				
12+20	0.0000	1.71	qQ					17+25	0.0000	1.65	qQ				
12+25	0.0000	1.71	qQ					17+30	0.0000	1.65	qQ				
12+30	0.0000	1.71	qQ					17+35	0.0000	1.65	qQ				
12+35	0.0000	1.71	qQ					17+40	0.0000	1.65	qQ				
12+40	0.0000	1.71	qQ					17+45	0.0000	1.65	qQ				
12+45	0.0000	1.71	qQ					17+50	0.0000	1.64	qQ				
12+50	0.0000	1.71	qQ					17+55	0.0000	1.64	qQ				
12+55	0.0000	1.70	qQ					18+ 0	0.0000	1.64	qQ				
13+ 0	0.0000	1.70	qQ					18+ 5	0.0000	1.64	qQ				
13+ 5	0.0000	1.70	qQ					18+10	0.0000	1.64	qQ				
13+10	0.0000	1.70	qQ					18+15	0.0000	1.64	qQ				
13+15	0.0000	1.70	qQ					18+20	0.0000	1.64	qQ				
13+20	0.0000	1.70	qQ					18+25	0.0000	1.64	qQ				
13+25	0.0000	1.70	qQ					18+30	0.0000	1.64	qQ				
13+30	0.0000	1.70	qQ					18+35	0.0000	1.64	qQ				
13+35	0.0000	1.70	qQ					18+40	0.0000	1.63	qQ				
13+40	0.0000	1.70	qQ					18+45	0.0000	1.63	qQ				
13+45	0.0000	1.70	qQ					18+50	0.0000	1.63	qQ				
13+50	0.0000	1.69	qQ					18+55	0.0000	1.63	qQ				
13+55	0.0000	1.69	qQ					19+ 0	0.0000	1.63	qQ				
14+ 0	0.0000	1.69	qQ					19+ 5	0.0000	1.63	qQ				

19+10	0.0000	1.63	qQ					24+15	0.0000	1.56	qQ				
19+15	0.0000	1.63	qQ					24+20	0.0000	1.56	qQ				
19+20	0.0000	1.63	qQ					24+25	0.0000	1.56	qQ				
19+25	0.0000	1.63	qQ					24+30	0.0000	1.56	qQ				
19+30	0.0000	1.62	qQ					24+35	0.0000	1.56	qQ				
19+35	0.0000	1.62	qQ					24+40	0.0000	1.56	qQ				
19+40	0.0000	1.62	qQ					24+45	0.0000	1.55	qQ				
19+45	0.0000	1.62	qQ					24+50	0.0000	1.55	qQ				
19+50	0.0000	1.62	qQ					24+55	0.0000	1.55	qQ				
19+55	0.0000	1.62	qQ					25+ 0	0.0000	1.55	qQ				
20+ 0	0.0000	1.62	qQ					25+ 5	0.0000	1.55	qQ				
20+ 5	0.0000	1.62	qQ					25+10	0.0000	1.55	qQ				
20+10	0.0000	1.62	qQ					25+15	0.0000	1.55	qQ				
20+15	0.0000	1.62	qQ					25+20	0.0000	1.55	qQ				
20+20	0.0000	1.61	qQ					25+25	0.0000	1.55	qQ				
20+25	0.0000	1.61	qQ					25+30	0.0000	1.54	qQ				
20+30	0.0000	1.61	qQ					25+35	0.0000	1.54	qQ				
20+35	0.0000	1.61	qQ					25+40	0.0000	1.54	qQ				
20+40	0.0000	1.61	qQ					25+45	0.0000	1.54	qQ				
20+45	0.0000	1.61	qQ					25+50	0.0000	1.54	qQ				
20+50	0.0000	1.61	qQ					25+55	0.0000	1.54	qQ				
20+55	0.0000	1.61	qQ					26+ 0	0.0000	1.54	qQ				
21+ 0	0.0000	1.61	qQ					26+ 5	0.0000	1.54	qQ				
21+ 5	0.0000	1.60	qQ					26+10	0.0000	1.53	qQ				
21+10	0.0000	1.60	qQ					26+15	0.0000	1.53	qQ				
21+15	0.0000	1.60	qQ					26+20	0.0000	1.53	qQ				
21+20	0.0000	1.60	qQ					26+25	0.0000	1.53	qQ				
21+25	0.0000	1.60	qQ					26+30	0.0000	1.53	qQ				
21+30	0.0000	1.60	qQ					26+35	0.0000	1.53	qQ				
21+35	0.0000	1.60	qQ					26+40	0.0000	1.53	qQ				
21+40	0.0000	1.60	qQ					26+45	0.0000	1.53	qQ				
21+45	0.0000	1.60	qQ					26+50	0.0000	1.53	qQ				
21+50	0.0000	1.59	qQ					26+55	0.0000	1.52	qQ				
21+55	0.0000	1.59	qQ					27+ 0	0.0000	1.52	qQ				
22+ 0	0.0000	1.59	qQ					27+ 5	0.0000	1.52	qQ				
22+ 5	0.0000	1.59	qQ					27+10	0.0000	1.52	qQ				
22+10	0.0000	1.59	qQ					27+15	0.0000	1.52	qQ				
22+15	0.0000	1.59	qQ					27+20	0.0000	1.52	qQ				
22+20	0.0000	1.59	qQ					27+25	0.0000	1.52	qQ				
22+25	0.0000	1.59	qQ					27+30	0.0000	1.52	qQ				
22+30	0.0000	1.59	qQ					27+35	0.0000	1.52	qQ				
22+35	0.0000	1.58	qQ					27+40	0.0000	1.51	qQ				
22+40	0.0000	1.58	qQ					27+45	0.0000	1.51	qQ				
22+45	0.0000	1.58	qQ					27+50	0.0000	1.51	qQ				
22+50	0.0000	1.58	qQ					27+55	0.0000	1.51	qQ				
22+55	0.0000	1.58	qQ					28+ 0	0.0000	1.51	qQ				
23+ 0	0.0000	1.58	qQ					28+ 5	0.0000	1.51	qQ				
23+ 5	0.0000	1.58	qQ					28+10	0.0000	1.51	qQ				
23+10	0.0000	1.58	qQ					28+15	0.0000	1.51	qQ				
23+15	0.0000	1.58	qQ					28+20	0.0000	1.51	qQ				
23+20	0.0000	1.57	qQ					28+25	0.0000	1.50	qQ				
23+25	0.0000	1.57	qQ					28+30	0.0000	1.50	qQ				
23+30	0.0000	1.57	qQ					28+35	0.0000	1.50	qQ				
23+35	0.0000	1.57	qQ					28+40	0.0000	1.50	qQ				
23+40	0.0000	1.57	qQ					28+45	0.0000	1.50	qQ				
23+45	0.0000	1.57	qQ					28+50	0.0000	1.50	qQ				
23+50	0.0000	1.57	qQ					28+55	0.0000	1.50	qQ				
23+55	0.0000	1.57	qQ					29+ 0	0.0000	1.50	qQ				
24+ 0	0.0000	1.56	qQ					29+ 5	0.0000	1.50	qQ				
24+ 5	0.0000	1.56	qQ					29+10	0.0000	1.49	qQ				
24+10	0.0000	1.56	qQ					29+15	0.0000	1.49	qQ				

29+20	0.0000	1.49	qQ					34+25	0.0000	1.43	qQ				
29+25	0.0000	1.49	qQ					34+30	0.0000	1.43	qQ				
29+30	0.0000	1.49	qQ					34+35	0.0000	1.42	qQ				
29+35	0.0000	1.49	qQ					34+40	0.0000	1.42	qQ				
29+40	0.0000	1.49	qQ					34+45	0.0000	1.42	qQ				
29+45	0.0000	1.49	qQ					34+50	0.0000	1.42	qQ				
29+50	0.0000	1.49	qQ					34+55	0.0000	1.42	qQ				
29+55	0.0000	1.48	qQ					35+ 0	0.0000	1.42	qQ				
30+ 0	0.0000	1.48	qQ					35+ 5	0.0000	1.42	qQ				
30+ 5	0.0000	1.48	qQ					35+10	0.0000	1.42	qQ				
30+10	0.0000	1.48	qQ					35+15	0.0000	1.42	qQ				
30+15	0.0000	1.48	qQ					35+20	0.0000	1.42	qQ				
30+20	0.0000	1.48	qQ					35+25	0.0000	1.41	qQ				
30+25	0.0000	1.48	qQ					35+30	0.0000	1.41	qQ				
30+30	0.0000	1.48	qQ					35+35	0.0000	1.41	qQ				
30+35	0.0000	1.48	qQ					35+40	0.0000	1.41	qQ				
30+40	0.0000	1.47	qQ					35+45	0.0000	1.41	qQ				
30+45	0.0000	1.47	qQ					35+50	0.0000	1.41	qQ				
30+50	0.0000	1.47	qQ					35+55	0.0000	1.41	qQ				
30+55	0.0000	1.47	qQ					36+ 0	0.0000	1.41	qQ				
31+ 0	0.0000	1.47	qQ					36+ 5	0.0000	1.40	qQ				
31+ 5	0.0000	1.47	qQ					36+10	0.0000	1.40	qQ				
31+10	0.0000	1.47	qQ					36+15	0.0000	1.40	qQ				
31+15	0.0000	1.47	qQ					36+20	0.0000	1.40	qQ				
31+20	0.0000	1.47	qQ					36+25	0.0000	1.40	qQ				
31+25	0.0000	1.47	qQ					36+30	0.0000	1.40	qQ				
31+30	0.0000	1.46	qQ					36+35	0.0000	1.40	qQ				
31+35	0.0000	1.46	qQ					36+40	0.0000	1.40	qQ				
31+40	0.0000	1.46	qQ					36+45	0.0000	1.39	qQ				
31+45	0.0000	1.46	qQ					36+50	0.0000	1.39	qQ				
31+50	0.0000	1.46	qQ					36+55	0.0000	1.39	qQ				
31+55	0.0000	1.46	qQ					37+ 0	0.0000	1.39	qQ				
32+ 0	0.0000	1.46	qQ					37+ 5	0.0000	1.39	qQ				
32+ 5	0.0000	1.46	qQ					37+10	0.0000	1.39	qQ				
32+10	0.0000	1.46	qQ					37+15	0.0000	1.39	qQ				
32+15	0.0000	1.45	qQ					37+20	0.0000	1.38	qQ				
32+20	0.0000	1.45	qQ					37+25	0.0000	1.38	qQ				
32+25	0.0000	1.45	qQ					37+30	0.0000	1.38	qQ				
32+30	0.0000	1.45	qQ					37+35	0.0000	1.38	qQ				
32+35	0.0000	1.45	qQ					37+40	0.0000	1.38	qQ				
32+40	0.0000	1.45	qQ					37+45	0.0000	1.38	qQ				
32+45	0.0000	1.45	qQ					37+50	0.0000	1.38	qQ				
32+50	0.0000	1.45	qQ					37+55	0.0000	1.38	qQ				
32+55	0.0000	1.45	qQ					38+ 0	0.0000	1.37	qQ				
33+ 0	0.0000	1.44	qQ					38+ 5	0.0000	1.37	qQ				
33+ 5	0.0000	1.44	qQ					38+10	0.0000	1.37	qQ				
33+10	0.0000	1.44	qQ					38+15	0.0000	1.37	qQ				
33+15	0.0000	1.44	qQ					38+20	0.0000	1.37	qQ				
33+20	0.0000	1.44	qQ					38+25	0.0000	1.37	qQ				
33+25	0.0000	1.44	qQ					38+30	0.0000	1.37	qQ				
33+30	0.0000	1.44	qQ					38+35	0.0000	1.37	qQ				
33+35	0.0000	1.44	qQ					38+40	0.0000	1.36	qQ				
33+40	0.0000	1.44	qQ					38+45	0.0000	1.36	qQ				
33+45	0.0000	1.44	qQ					38+50	0.0000	1.36	qQ				
33+50	0.0000	1.43	qQ					38+55	0.0000	1.36	qQ				
33+55	0.0000	1.43	qQ					39+ 0	0.0000	1.36	qQ				
34+ 0	0.0000	1.43	qQ					39+ 5	0.0000	1.36	qQ				
34+ 5	0.0000	1.43	qQ					39+10	0.0000	1.36	qQ				
34+10	0.0000	1.43	qQ					39+15	0.0000	1.35	qQ				
34+15	0.0000	1.43	qQ					39+20	0.0000	1.35	qQ				
34+20	0.0000	1.43	qQ					39+25	0.0000	1.35	qQ				

39+30	0.0000	1.35	qQ					44+35	0.0000	1.27	qQ				
39+35	0.0000	1.35	qQ					44+40	0.0000	1.27	qQ				
39+40	0.0000	1.35	qQ					44+45	0.0000	1.27	qQ				
39+45	0.0000	1.35	qQ					44+50	0.0000	1.27	qQ				
39+50	0.0000	1.35	qQ					44+55	0.0000	1.27	qQ				
39+55	0.0000	1.34	qQ					45+ 0	0.0000	1.27	qQ				
40+ 0	0.0000	1.34	qQ					45+ 5	0.0000	1.27	qQ				
40+ 5	0.0000	1.34	qQ					45+10	0.0000	1.26	qQ				
40+10	0.0000	1.34	qQ					45+15	0.0000	1.26	qQ				
40+15	0.0000	1.34	qQ					45+20	0.0000	1.26	qQ				
40+20	0.0000	1.34	qQ					45+25	0.0000	1.26	qQ				
40+25	0.0000	1.34	qQ					45+30	0.0000	1.26	qQ				
40+30	0.0000	1.34	qQ					45+35	0.0000	1.26	qQ				
40+35	0.0000	1.33	qQ					45+40	0.0000	1.26	qQ				
40+40	0.0000	1.33	qQ					45+45	0.0000	1.25	qQ				
40+45	0.0000	1.33	qQ					45+50	0.0000	1.25	qQ				
40+50	0.0000	1.33	qQ					45+55	0.0000	1.25	qQ				
40+55	0.0000	1.33	qQ					46+ 0	0.0000	1.25	qQ				
41+ 0	0.0000	1.33	qQ					46+ 5	0.0000	1.25	qQ				
41+ 5	0.0000	1.33	qQ					46+10	0.0000	1.25	qQ				
41+10	0.0000	1.33	qQ					46+15	0.0000	1.25	qQ				
41+15	0.0000	1.32	qQ					46+20	0.0000	1.25	qQ				
41+20	0.0000	1.32	qQ					46+25	0.0000	1.24	qQ				
41+25	0.0000	1.32	qQ					46+30	0.0000	1.24	qQ				
41+30	0.0000	1.32	qQ					46+35	0.0000	1.24	qQ				
41+35	0.0000	1.32	qQ					46+40	0.0000	1.24	qQ				
41+40	0.0000	1.32	qQ					46+45	0.0000	1.24	qQ				
41+45	0.0000	1.32	qQ					46+50	0.0000	1.24	qQ				
41+50	0.0000	1.32	qQ					46+55	0.0000	1.24	qQ				
41+55	0.0000	1.31	qQ					47+ 0	0.0000	1.24	qQ				
42+ 0	0.0000	1.31	qQ					47+ 5	0.0000	1.23	qQ				
42+ 5	0.0000	1.31	qQ					47+10	0.0000	1.23	qQ				
42+10	0.0000	1.31	qQ					47+15	0.0000	1.23	qQ				
42+15	0.0000	1.31	qQ					47+20	0.0000	1.23	qQ				
42+20	0.0000	1.31	qQ					47+25	0.0000	1.23	qQ				
42+25	0.0000	1.31	qQ					47+30	0.0000	1.23	qQ				
42+30	0.0000	1.31	qQ					47+35	0.0000	1.23	qQ				
42+35	0.0000	1.30	qQ					47+40	0.0000	1.23	qQ				
42+40	0.0000	1.30	qQ					47+45	0.0000	1.22	qQ				
42+45	0.0000	1.30	qQ					47+50	0.0000	1.22	qQ				
42+50	0.0000	1.30	qQ					47+55	0.0000	1.22	qQ				
42+55	0.0000	1.30	qQ					48+ 0	0.0000	1.22	qQ				
43+ 0	0.0000	1.30	qQ					48+ 5	0.0000	1.22	qQ				
43+ 5	0.0000	1.30	qQ					48+10	0.0000	1.22	qQ				
43+10	0.0000	1.30	qQ					48+15	0.0000	1.22	qQ				
43+15	0.0000	1.29	qQ					48+20	0.0000	1.22	qQ				
43+20	0.0000	1.29	qQ					48+25	0.0000	1.21	qQ				
43+25	0.0000	1.29	qQ					48+30	0.0000	1.21	qQ				
43+30	0.0000	1.29	qQ					48+35	0.0000	1.21	qQ				
43+35	0.0000	1.29	qQ					48+40	0.0000	1.21	qQ				
43+40	0.0000	1.29	qQ					48+45	0.0000	1.21	qQ				
43+45	0.0000	1.29	qQ					48+50	0.0000	1.21	qQ				
43+50	0.0000	1.28	qQ					48+55	0.0000	1.21	qQ				
43+55	0.0000	1.28	qQ					49+ 0	0.0000	1.21	qQ				
44+ 0	0.0000	1.28	qQ					49+ 5	0.0000	1.20	qQ				
44+ 5	0.0000	1.28	qQ					49+10	0.0000	1.20	qQ				
44+10	0.0000	1.28	qQ					49+15	0.0000	1.20	qQ				
44+15	0.0000	1.28	qQ					49+20	0.0000	1.20	qQ				
44+20	0.0000	1.28	qQ					49+25	0.0000	1.20	qQ				
44+25	0.0000	1.28	qQ					49+30	0.0000	1.20	qQ				
44+30	0.0000	1.27	qQ					49+35	0.0000	1.20	qQ				

49+40	0.0000	1.20	qQ					54+45	0.0000	1.10	qQ				
49+45	0.0000	1.19	qQ					54+50	0.0000	1.09	qQ				
49+50	0.0000	1.19	qQ					54+55	0.0000	1.09	qQ				
49+55	0.0000	1.19	qQ					55+ 0	0.0000	1.09	qQ				
50+ 0	0.0000	1.19	qQ					55+ 5	0.0000	1.09	qQ				
50+ 5	0.0000	1.19	qQ					55+10	0.0000	1.09	qQ				
50+10	0.0000	1.19	qQ					55+15	0.0000	1.09	qQ				
50+15	0.0000	1.19	qQ					55+20	0.0000	1.08	qQ				
50+20	0.0000	1.18	qQ					55+25	0.0000	1.08	qQ				
50+25	0.0000	1.18	qQ					55+30	0.0000	1.08	qQ				
50+30	0.0000	1.18	qQ					55+35	0.0000	1.08	Q				
50+35	0.0000	1.18	qQ					55+40	0.0000	1.08	Q				
50+40	0.0000	1.18	qQ					55+45	0.0000	1.08	Q				
50+45	0.0000	1.18	qQ					55+50	0.0000	1.08	Q				
50+50	0.0000	1.17	qQ					55+55	0.0000	1.07	Q				
50+55	0.0000	1.17	qQ					56+ 0	0.0000	1.07	Q				
51+ 0	0.0000	1.17	qQ					56+ 5	0.0000	1.07	Q				
51+ 5	0.0000	1.17	qQ					56+10	0.0000	1.07	Q				
51+10	0.0000	1.17	qQ					56+15	0.0000	1.07	Q				
51+15	0.0000	1.17	qQ					56+20	0.0000	1.07	Q				
51+20	0.0000	1.16	qQ					56+25	0.0000	1.06	Q				
51+25	0.0000	1.16	qQ					56+30	0.0000	1.06	Q				
51+30	0.0000	1.16	qQ					56+35	0.0000	1.06	Q				
51+35	0.0000	1.16	qQ					56+40	0.0000	1.06	Q				
51+40	0.0000	1.16	qQ					56+45	0.0000	1.06	Q				
51+45	0.0000	1.16	qQ					56+50	0.0000	1.06	Q				
51+50	0.0000	1.15	qQ					56+55	0.0000	1.06	Q				
51+55	0.0000	1.15	qQ					57+ 0	0.0000	1.05	Q				
52+ 0	0.0000	1.15	qQ					57+ 5	0.0000	1.05	Q				
52+ 5	0.0000	1.15	qQ					57+10	0.0000	1.05	Q				
52+10	0.0000	1.15	qQ					57+15	0.0000	1.05	Q				
52+15	0.0000	1.15	qQ					57+20	0.0000	1.05	Q				
52+20	0.0000	1.14	qQ					57+25	0.0000	1.05	Q				
52+25	0.0000	1.14	qQ					57+30	0.0000	1.04	Q				
52+30	0.0000	1.14	qQ					57+35	0.0000	1.04	Q				
52+35	0.0000	1.14	qQ					57+40	0.0000	1.04	Q				
52+40	0.0000	1.14	qQ					57+45	0.0000	1.04	Q				
52+45	0.0000	1.14	qQ					57+50	0.0000	1.04	Q				
52+50	0.0000	1.13	qQ					57+55	0.0000	1.04	Q				
52+55	0.0000	1.13	qQ					58+ 0	0.0000	1.04	Q				
53+ 0	0.0000	1.13	qQ					58+ 5	0.0000	1.03	Q				
53+ 5	0.0000	1.13	qQ					58+10	0.0000	1.03	Q				
53+10	0.0000	1.13	qQ					58+15	0.0000	1.03	Q				
53+15	0.0000	1.13	qQ					58+20	0.0000	1.03	Q				
53+20	0.0000	1.12	qQ					58+25	0.0000	1.03	Q				
53+25	0.0000	1.12	qQ					58+30	0.0000	1.03	Q				
53+30	0.0000	1.12	qQ					58+35	0.0000	1.02	Q				
53+35	0.0000	1.12	qQ					58+40	0.0000	1.02	Q				
53+40	0.0000	1.12	qQ					58+45	0.0000	1.02	Q				
53+45	0.0000	1.12	qQ					58+50	0.0000	1.02	Q				
53+50	0.0000	1.11	qQ					58+55	0.0000	1.02	Q				
53+55	0.0000	1.11	qQ					59+ 0	0.0000	1.02	Q				
54+ 0	0.0000	1.11	qQ					59+ 5	0.0000	1.02	Q				
54+ 5	0.0000	1.11	qQ					59+10	0.0000	1.01	Q				
54+10	0.0000	1.11	qQ					59+15	0.0000	1.01	Q				
54+15	0.0000	1.11	qQ					59+20	0.0000	1.01	Q				
54+20	0.0000	1.10	qQ					59+25	0.0000	1.01	Q				
54+25	0.0000	1.10	qQ					59+30	0.0000	1.01	Q				
54+30	0.0000	1.10	qQ					59+35	0.0000	1.01	Q				
54+35	0.0000	1.10	qQ					59+40	0.0000	1.01	Q				
54+40	0.0000	1.10	qQ					59+45	0.0000	1.00	Q				

59+50	0.0000	1.00	Q					64+55	0.0000	0.92	Q				
59+55	0.0000	1.00	Q					65+ 0	0.0000	0.92	Q				
60+ 0	0.0000	1.00	Q					65+ 5	0.0000	0.91	Q				
60+ 5	0.0000	1.00	Q					65+10	0.0000	0.91	Q				
60+10	0.0000	1.00	Q					65+15	0.0000	0.91	Q				
60+15	0.0000	1.00	Q					65+20	0.0000	0.91	Q				
60+20	0.0000	0.99	Q					65+25	0.0000	0.91	Q				
60+25	0.0000	0.99	Q					65+30	0.0000	0.91	Q				
60+30	0.0000	0.99	Q					65+35	0.0000	0.90	Q				
60+35	0.0000	0.99	Q					65+40	0.0000	0.90	Q				
60+40	0.0000	0.99	Q					65+45	0.0000	0.90	Q				
60+45	0.0000	0.99	Q					65+50	0.0000	0.90	Q				
60+50	0.0000	0.98	Q					65+55	0.0000	0.89	Q				
60+55	0.0000	0.98	Q					66+ 0	0.0000	0.89	Q				
61+ 0	0.0000	0.98	Q					66+ 5	0.0000	0.89	Q				
61+ 5	0.0000	0.98	Q					66+10	0.0000	0.89	Q				
61+10	0.0000	0.98	Q					66+15	0.0000	0.88	Q				
61+15	0.0000	0.98	Q					66+20	0.0000	0.88	Q				
61+20	0.0000	0.98	Q					66+25	0.0000	0.88	Q				
61+25	0.0000	0.97	Q					66+30	0.0000	0.88	Q				
61+30	0.0000	0.97	Q					66+35	0.0000	0.88	Q				
61+35	0.0000	0.97	Q					66+40	0.0000	0.87	Q				
61+40	0.0000	0.97	Q					66+45	0.0000	0.87	Q				
61+45	0.0000	0.97	Q					66+50	0.0000	0.87	Q				
61+50	0.0000	0.97	Q					66+55	0.0000	0.87	Q				
61+55	0.0000	0.97	Q					67+ 0	0.0000	0.86	Q				
62+ 0	0.0000	0.96	Q					67+ 5	0.0000	0.86	Q				
62+ 5	0.0000	0.96	Q					67+10	0.0000	0.86	Q				
62+10	0.0000	0.96	Q					67+15	0.0000	0.86	Q				
62+15	0.0000	0.96	Q					67+20	0.0000	0.86	Q				
62+20	0.0000	0.96	Q					67+25	0.0000	0.85	Q				
62+25	0.0000	0.96	Q					67+30	0.0000	0.85	Q				
62+30	0.0000	0.96	Q					67+35	0.0000	0.85	Q				
62+35	0.0000	0.96	Q					67+40	0.0000	0.85	Q				
62+40	0.0000	0.95	Q					67+45	0.0000	0.84	Q				
62+45	0.0000	0.95	Q					67+50	0.0000	0.84	Q				
62+50	0.0000	0.95	Q					67+55	0.0000	0.84	Q				
62+55	0.0000	0.95	Q					68+ 0	0.0000	0.84	Q				
63+ 0	0.0000	0.95	Q					68+ 5	0.0000	0.84	Q				
63+ 5	0.0000	0.95	Q					68+10	0.0000	0.83	Q				
63+10	0.0000	0.95	Q					68+15	0.0000	0.83	Q				
63+15	0.0000	0.94	Q					68+20	0.0000	0.83	Q				
63+20	0.0000	0.94	Q					68+25	0.0000	0.83	Q				
63+25	0.0000	0.94	Q					68+30	0.0000	0.83	Q				
63+30	0.0000	0.94	Q					68+35	0.0000	0.82	Q				
63+35	0.0000	0.94	Q					68+40	0.0000	0.82	Q				
63+40	0.0000	0.94	Q					68+45	0.0000	0.82	Q				
63+45	0.0000	0.94	Q					68+50	0.0000	0.82	Q				
63+50	0.0000	0.93	Q					68+55	0.0000	0.82	Q				
63+55	0.0000	0.93	Q					69+ 0	0.0000	0.81	Q				
64+ 0	0.0000	0.93	Q					69+ 5	0.0000	0.81	Q				
64+ 5	0.0000	0.93	Q					69+10	0.0000	0.81	Q				
64+10	0.0000	0.93	Q					69+15	0.0000	0.81	Q				
64+15	0.0000	0.93	Q					69+20	0.0000	0.80	Q				
64+20	0.0000	0.93	Q					69+25	0.0000	0.80	Q				
64+25	0.0000	0.92	Q					69+30	0.0000	0.80	Q				
64+30	0.0000	0.92	Q					69+35	0.0000	0.80	Q				
64+35	0.0000	0.92	Q					69+40	0.0000	0.80	Q				
64+40	0.0000	0.92	Q					69+45	0.0000	0.79	Q				
64+45	0.0000	0.92	Q					69+50	0.0000	0.79	Q				
64+50	0.0000	0.92	Q					69+55	0.0000	0.79	Q				

70+ 0	0.0000	0.79	Q					75+ 5	0.0000	0.67	Q				
70+ 5	0.0000	0.79	Q					75+10	0.0000	0.67	Q				
70+10	0.0000	0.78	Q					75+15	0.0000	0.67	Q				
70+15	0.0000	0.78	Q					75+20	0.0000	0.67	Q				
70+20	0.0000	0.78	Q					75+25	0.0000	0.67	Q				
70+25	0.0000	0.78	Q					75+30	0.0000	0.67	Q				
70+30	0.0000	0.78	Q					75+35	0.0000	0.66	Q				
70+35	0.0000	0.77	Q					75+40	0.0000	0.66	Q				
70+40	0.0000	0.77	Q					75+45	0.0000	0.66	Q				
70+45	0.0000	0.77	Q					75+50	0.0000	0.66	Q				
70+50	0.0000	0.77	Q					75+55	0.0000	0.66	Q				
70+55	0.0000	0.77	Q					76+ 0	0.0000	0.66	Q				
71+ 0	0.0000	0.76	Q					76+ 5	0.0000	0.65	Q				
71+ 5	0.0000	0.76	Q					76+10	0.0000	0.65	Q				
71+10	0.0000	0.76	Q					76+15	0.0000	0.65	Q				
71+15	0.0000	0.76	Q					76+20	0.0000	0.65	Q				
71+20	0.0000	0.76	Q					76+25	0.0000	0.65	Q				
71+25	0.0000	0.75	Q					76+30	0.0000	0.65	Q				
71+30	0.0000	0.75	Q					76+35	0.0000	0.64	Q				
71+35	0.0000	0.75	Q					76+40	0.0000	0.64	Q				
71+40	0.0000	0.75	Q					76+45	0.0000	0.64	Q				
71+45	0.0000	0.75	Q					76+50	0.0000	0.64	Q				
71+50	0.0000	0.75	Q					76+55	0.0000	0.64	Q				
71+55	0.0000	0.74	Q					77+ 0	0.0000	0.64	Q				
72+ 0	0.0000	0.74	Q					77+ 5	0.0000	0.63	Q				
72+ 5	0.0000	0.74	Q					77+10	0.0000	0.63	Q				
72+10	0.0000	0.74	Q					77+15	0.0000	0.63	Q				
72+15	0.0000	0.74	Q					77+20	0.0000	0.63	Q				
72+20	0.0000	0.73	Q					77+25	0.0000	0.63	Q				
72+25	0.0000	0.73	Q					77+30	0.0000	0.63	Q				
72+30	0.0000	0.73	Q					77+35	0.0000	0.62	Q				
72+35	0.0000	0.73	Q					77+40	0.0000	0.62	Q				
72+40	0.0000	0.73	Q					77+45	0.0000	0.62	Q				
72+45	0.0000	0.72	Q					77+50	0.0000	0.62	Q				
72+50	0.0000	0.72	Q					77+55	0.0000	0.62	Q				
72+55	0.0000	0.72	Q					78+ 0	0.0000	0.62	Q				
73+ 0	0.0000	0.72	Q					78+ 5	0.0000	0.62	Q				
73+ 5	0.0000	0.72	Q					78+10	0.0000	0.61	Q				
73+10	0.0000	0.72	Q					78+15	0.0000	0.61	Q				
73+15	0.0000	0.71	Q					78+20	0.0000	0.61	Q				
73+20	0.0000	0.71	Q					78+25	0.0000	0.61	Q				
73+25	0.0000	0.71	Q					78+30	0.0000	0.61	Q				
73+30	0.0000	0.71	Q					78+35	0.0000	0.61	Q				
73+35	0.0000	0.71	Q					78+40	0.0000	0.60	Q				
73+40	0.0000	0.70	Q					78+45	0.0000	0.60	Q				
73+45	0.0000	0.70	Q					78+50	0.0000	0.60	Q				
73+50	0.0000	0.70	Q					78+55	0.0000	0.60	Q				
73+55	0.0000	0.70	Q					79+ 0	0.0000	0.60	Q				
74+ 0	0.0000	0.70	Q					79+ 5	0.0000	0.60	Q				
74+ 5	0.0000	0.70	Q					79+10	0.0000	0.59	Q				
74+10	0.0000	0.69	Q					79+15	0.0000	0.59	Q				
74+15	0.0000	0.69	Q					79+20	0.0000	0.59	Q				
74+20	0.0000	0.69	Q					79+25	0.0000	0.59	Q				
74+25	0.0000	0.69	Q					79+30	0.0000	0.59	Q				
74+30	0.0000	0.69	Q					79+35	0.0000	0.59	Q				
74+35	0.0000	0.68	Q					79+40	0.0000	0.59	Q				
74+40	0.0000	0.68	Q					79+45	0.0000	0.58	Q				
74+45	0.0000	0.68	Q					79+50	0.0000	0.58	Q				
74+50	0.0000	0.68	Q					79+55	0.0000	0.58	Q				
74+55	0.0000	0.68	Q					80+ 0	0.0000	0.58	Q				
75+ 0	0.0000	0.68	Q					80+ 5	0.0000	0.58	Q				

80+10	0.0000	0.58	Q					85+15	0.0000	0.48	Q				
80+15	0.0000	0.58	Q					85+20	0.0000	0.48	Q				
80+20	0.0000	0.57	Q					85+25	0.0000	0.48	Q				
80+25	0.0000	0.57	Q					85+30	0.0000	0.47	Q				
80+30	0.0000	0.57	Q					85+35	0.0000	0.47	Q				
80+35	0.0000	0.57	Q					85+40	0.0000	0.46	Q				
80+40	0.0000	0.57	Q					85+45	0.0000	0.46	Q				
80+45	0.0000	0.57	Q					85+50	0.0000	0.46	Q				
80+50	0.0000	0.57	Q					85+55	0.0000	0.45	Q				
80+55	0.0000	0.56	Q					86+ 0	0.0000	0.45	Q				
81+ 0	0.0000	0.56	Q					86+ 5	0.0000	0.45	Q				
81+ 5	0.0000	0.56	Q					86+10	0.0000	0.45	Q				
81+10	0.0000	0.56	Q					86+15	0.0000	0.44	Q				
81+15	0.0000	0.56	Q					86+20	0.0000	0.44	Q				
81+20	0.0000	0.56	Q					86+25	0.0000	0.44	Q				
81+25	0.0000	0.56	Q					86+30	0.0000	0.43	Q				
81+30	0.0000	0.55	Q					86+35	0.0000	0.43	Q				
81+35	0.0000	0.55	Q					86+40	0.0000	0.43	Q				
81+40	0.0000	0.55	Q					86+45	0.0000	0.42	Q				
81+45	0.0000	0.55	Q					86+50	0.0000	0.42	Q				
81+50	0.0000	0.55	Q					86+55	0.0000	0.42	Q				
81+55	0.0000	0.55	Q					87+ 0	0.0000	0.41	Q				
82+ 0	0.0000	0.55	Q					87+ 5	0.0000	0.41	Q				
82+ 5	0.0000	0.54	Q					87+10	0.0000	0.41	Q				
82+10	0.0000	0.54	Q					87+15	0.0000	0.41	Q				
82+15	0.0000	0.54	Q					87+20	0.0000	0.40	Q				
82+20	0.0000	0.54	Q					87+25	0.0000	0.40	Q				
82+25	0.0000	0.54	Q					87+30	0.0000	0.40	Q				
82+30	0.0000	0.54	Q					87+35	0.0000	0.39	Q				
82+35	0.0000	0.54	Q					87+40	0.0000	0.39	Q				
82+40	0.0000	0.53	Q					87+45	0.0000	0.39	Q				
82+45	0.0000	0.53	Q					87+50	0.0000	0.38	Q				
82+50	0.0000	0.53	Q					87+55	0.0000	0.38	Q				
82+55	0.0000	0.53	Q					88+ 0	0.0000	0.38	Q				
83+ 0	0.0000	0.53	Q					88+ 5	0.0000	0.38	Q				
83+ 5	0.0000	0.53	Q					88+10	0.0000	0.37	Q				
83+10	0.0000	0.53	Q					88+15	0.0000	0.37	Q				
83+15	0.0000	0.52	Q					88+20	0.0000	0.37	Q				
83+20	0.0000	0.52	Q					88+25	0.0000	0.37	Q				
83+25	0.0000	0.52	Q					88+30	0.0000	0.36	Q				
83+30	0.0000	0.52	Q					88+35	0.0000	0.36	Q				
83+35	0.0000	0.52	Q					88+40	0.0000	0.36	Q				
83+40	0.0000	0.52	Q					88+45	0.0000	0.36	Q				
83+45	0.0000	0.52	Q					88+50	0.0000	0.35	Q				
83+50	0.0000	0.52	Q					88+55	0.0000	0.35	Q				
83+55	0.0000	0.51	Q					89+ 0	0.0000	0.35	Q				
84+ 0	0.0000	0.51	Q					89+ 5	0.0000	0.35	Q				
84+ 5	0.0000	0.51	Q					89+10	0.0000	0.34	Q				
84+10	0.0000	0.51	Q					89+15	0.0000	0.34	Q				
84+15	0.0000	0.51	Q					89+20	0.0000	0.34	Q				
84+20	0.0000	0.51	Q					89+25	0.0000	0.34	Q				
84+25	0.0000	0.51	Q					89+30	0.0000	0.33	Q				
84+30	0.0000	0.51	Q					89+35	0.0000	0.33	Q				
84+35	0.0000	0.50	Q					89+40	0.0000	0.33	Q				
84+40	0.0000	0.50	Q					89+45	0.0000	0.33	Q				
84+45	0.0000	0.50	Q					89+50	0.0000	0.32	Q				
84+50	0.0000	0.50	Q					89+55	0.0000	0.32	Q				
84+55	0.0000	0.50	Q					90+ 0	0.0000	0.32	Q				
85+ 0	0.0000	0.49	Q					90+ 5	0.0000	0.32	Q				
85+ 5	0.0000	0.49	Q					90+10	0.0000	0.31	Q				
85+10	0.0000	0.49	Q					90+15	0.0000	0.31	Q				

90+20	0.0000	0.31	Q					95+25	0.0000	0.20	Q				
90+25	0.0000	0.31	Q					95+30	0.0000	0.20	Q				
90+30	0.0000	0.31	Q					95+35	0.0000	0.20	Q				
90+35	0.0000	0.30	Q					95+40	0.0000	0.19	Q				
90+40	0.0000	0.30	Q					95+45	0.0000	0.19	Q				
90+45	0.0000	0.30	Q					95+50	0.0000	0.19	Q				
90+50	0.0000	0.30	Q					95+55	0.0000	0.19	Q				
90+55	0.0000	0.29	Q					96+ 0	0.0000	0.19	Q				
91+ 0	0.0000	0.29	Q					96+ 5	0.0000	0.19	Q				
91+ 5	0.0000	0.29	Q					96+10	0.0000	0.19	Q				
91+10	0.0000	0.29	Q					96+15	0.0000	0.19	Q				
91+15	0.0000	0.29	Q					96+20	0.0000	0.18	Q				
91+20	0.0000	0.28	Q					96+25	0.0000	0.18	Q				
91+25	0.0000	0.28	Q					96+30	0.0000	0.18	Q				
91+30	0.0000	0.28	Q					96+35	0.0000	0.18	Q				
91+35	0.0000	0.28	Q					96+40	0.0000	0.18	Q				
91+40	0.0000	0.28	Q					96+45	0.0000	0.18	Q				
91+45	0.0000	0.27	Q					96+50	0.0000	0.18	Q				
91+50	0.0000	0.27	Q					96+55	0.0000	0.17	Q				
91+55	0.0000	0.27	Q					97+ 0	0.0000	0.17	Q				
92+ 0	0.0000	0.27	Q					97+ 5	0.0000	0.17	Q				
92+ 5	0.0000	0.27	Q					97+10	0.0000	0.17	Q				
92+10	0.0000	0.26	Q					97+15	0.0000	0.17	Q				
92+15	0.0000	0.26	Q					97+20	0.0000	0.17	Q				
92+20	0.0000	0.26	Q					97+25	0.0000	0.17	Q				
92+25	0.0000	0.26	Q					97+30	0.0000	0.17	Q				
92+30	0.0000	0.26	Q					97+35	0.0000	0.16	Q				
92+35	0.0000	0.25	Q					97+40	0.0000	0.16	Q				
92+40	0.0000	0.25	Q					97+45	0.0000	0.16	Q				
92+45	0.0000	0.25	Q					97+50	0.0000	0.16	Q				
92+50	0.0000	0.25	Q					97+55	0.0000	0.16	Q				
92+55	0.0000	0.25	Q					98+ 0	0.0000	0.16	Q				
93+ 0	0.0000	0.25	Q					98+ 5	0.0000	0.16	Q				
93+ 5	0.0000	0.24	Q					98+10	0.0000	0.16	Q				
93+10	0.0000	0.24	Q					98+15	0.0000	0.16	Q				
93+15	0.0000	0.24	Q					98+20	0.0000	0.15	Q				
93+20	0.0000	0.24	Q					98+25	0.0000	0.15	Q				
93+25	0.0000	0.24	Q					98+30	0.0000	0.15	Q				
93+30	0.0000	0.24	Q					98+35	0.0000	0.15	Q				
93+35	0.0000	0.23	Q					98+40	0.0000	0.15	Q				
93+40	0.0000	0.23	Q					98+45	0.0000	0.15	Q				
93+45	0.0000	0.23	Q					98+50	0.0000	0.15	Q				
93+50	0.0000	0.23	Q					98+55	0.0000	0.15	Q				
93+55	0.0000	0.23	Q					99+ 0	0.0000	0.15	Q				
94+ 0	0.0000	0.23	Q					99+ 5	0.0000	0.14	Q				
94+ 5	0.0000	0.22	Q					99+10	0.0000	0.14	Q				
94+10	0.0000	0.22	Q					99+15	0.0000	0.14	Q				
94+15	0.0000	0.22	Q					99+20	0.0000	0.14	Q				
94+20	0.0000	0.22	Q					99+25	0.0000	0.14	Q				
94+25	0.0000	0.22	Q					99+30	0.0000	0.14	Q				
94+30	0.0000	0.22	Q					99+35	0.0000	0.14	Q				
94+35	0.0000	0.21	Q					99+40	0.0000	0.14	Q				
94+40	0.0000	0.21	Q					99+45	0.0000	0.14	Q				
94+45	0.0000	0.21	Q					99+50	0.0000	0.14	Q				
94+50	0.0000	0.21	Q					99+55	0.0000	0.13	Q				
94+55	0.0000	0.21	Q					100+ 0	0.0000	0.13	Q				
95+ 0	0.0000	0.21	Q					100+ 5	0.0000	0.13	Q				
95+ 5	0.0000	0.20	Q					100+10	0.0000	0.13	Q				
95+10	0.0000	0.20	Q					100+15	0.0000	0.13	Q				
95+15	0.0000	0.20	Q					100+20	0.0000	0.13	Q				
95+20	0.0000	0.20	Q					100+25	0.0000	0.13	Q				

100+30	0.0000	0.13	Q					105+35	0.0000	0.08	Q				
100+35	0.0000	0.13	Q					105+40	0.0000	0.08	Q				
100+40	0.0000	0.13	Q					105+45	0.0000	0.08	Q				
100+45	0.0000	0.13	Q					105+50	0.0000	0.08	Q				
100+50	0.0000	0.12	Q					105+55	0.0000	0.08	Q				
100+55	0.0000	0.12	Q					106+ 0	0.0000	0.08	Q				
101+ 0	0.0000	0.12	Q					106+ 5	0.0000	0.08	Q				
101+ 5	0.0000	0.12	Q					106+10	0.0000	0.08	Q				
101+10	0.0000	0.12	Q					106+15	0.0000	0.08	Q				
101+15	0.0000	0.12	Q					106+20	0.0000	0.08	Q				
101+20	0.0000	0.12	Q					106+25	0.0000	0.08	Q				
101+25	0.0000	0.12	Q					106+30	0.0000	0.08	Q				
101+30	0.0000	0.12	Q					106+35	0.0000	0.08	Q				
101+35	0.0000	0.12	Q					106+40	0.0000	0.07	Q				
101+40	0.0000	0.12	Q					106+45	0.0000	0.07	Q				
101+45	0.0000	0.11	Q					106+50	0.0000	0.07	Q				
101+50	0.0000	0.11	Q					106+55	0.0000	0.07	Q				
101+55	0.0000	0.11	Q					107+ 0	0.0000	0.07	Q				
102+ 0	0.0000	0.11	Q					107+ 5	0.0000	0.07	Q				
102+ 5	0.0000	0.11	Q					107+10	0.0000	0.07	Q				
102+10	0.0000	0.11	Q					107+15	0.0000	0.07	Q				
102+15	0.0000	0.11	Q					107+20	0.0000	0.07	Q				
102+20	0.0000	0.11	Q					107+25	0.0000	0.07	Q				
102+25	0.0000	0.11	Q					107+30	0.0000	0.07	Q				
102+30	0.0000	0.11	Q					107+35	0.0000	0.07	Q				
102+35	0.0000	0.11	Q					107+40	0.0000	0.07	Q				
102+40	0.0000	0.11	Q					107+45	0.0000	0.07	Q				
102+45	0.0000	0.11	Q					107+50	0.0000	0.07	Q				
102+50	0.0000	0.10	Q					107+55	0.0000	0.07	Q				
102+55	0.0000	0.10	Q					108+ 0	0.0000	0.07	Q				
103+ 0	0.0000	0.10	Q					108+ 5	0.0000	0.07	Q				
103+ 5	0.0000	0.10	Q					108+10	0.0000	0.07	Q				
103+10	0.0000	0.10	Q					108+15	0.0000	0.07	Q				
103+15	0.0000	0.10	Q					108+20	0.0000	0.06	Q				
103+20	0.0000	0.10	Q					108+25	0.0000	0.06	Q				
103+25	0.0000	0.10	Q					108+30	0.0000	0.06	Q				
103+30	0.0000	0.10	Q					108+35	0.0000	0.06	Q				
103+35	0.0000	0.10	Q					108+40	0.0000	0.06	Q				
103+40	0.0000	0.10	Q					108+45	0.0000	0.06	Q				
103+45	0.0000	0.10	Q					108+50	0.0000	0.06	Q				
103+50	0.0000	0.10	Q					108+55	0.0000	0.06	Q				
103+55	0.0000	0.10	Q					109+ 0	0.0000	0.06	Q				
104+ 0	0.0000	0.09	Q					109+ 5	0.0000	0.06	Q				
104+ 5	0.0000	0.09	Q					109+10	0.0000	0.06	Q				
104+10	0.0000	0.09	Q					109+15	0.0000	0.06	Q				
104+15	0.0000	0.09	Q					109+20	0.0000	0.06	Q				
104+20	0.0000	0.09	Q					109+25	0.0000	0.06	Q				
104+25	0.0000	0.09	Q					109+30	0.0000	0.06	Q				
104+30	0.0000	0.09	Q					109+35	0.0000	0.06	Q				
104+35	0.0000	0.09	Q					109+40	0.0000	0.06	Q				
104+40	0.0000	0.09	Q					109+45	0.0000	0.06	Q				
104+45	0.0000	0.09	Q					109+50	0.0000	0.06	Q				
104+50	0.0000	0.09	Q					109+55	0.0000	0.06	Q				
104+55	0.0000	0.09	Q					110+ 0	0.0000	0.06	Q				
105+ 0	0.0000	0.09	Q					110+ 5	0.0000	0.06	Q				
105+ 5	0.0000	0.09	Q					110+10	0.0000	0.06	Q				
105+10	0.0000	0.09	Q					110+15	0.0000	0.05	Q				
105+15	0.0000	0.08	Q					110+20	0.0000	0.05	Q				
105+20	0.0000	0.08	Q					110+25	0.0000	0.05	Q				
105+25	0.0000	0.08	Q					110+30	0.0000	0.05	Q				
105+30	0.0000	0.08	Q					110+35	0.0000	0.05	Q				

110+40	0.0000	0.05	Q					115+45	0.0000	0.03	Q				
110+45	0.0000	0.05	Q					115+50	0.0000	0.03	Q				
110+50	0.0000	0.05	Q					115+55	0.0000	0.03	Q				
110+55	0.0000	0.05	Q					116+ 0	0.0000	0.03	Q				
111+ 0	0.0000	0.05	Q					116+ 5	0.0000	0.03	Q				
111+ 5	0.0000	0.05	Q					116+10	0.0000	0.03	Q				
111+10	0.0000	0.05	Q					116+15	0.0000	0.03	Q				
111+15	0.0000	0.05	Q					116+20	0.0000	0.03	Q				
111+20	0.0000	0.05	Q					116+25	0.0000	0.03	Q				
111+25	0.0000	0.05	Q					116+30	0.0000	0.03	Q				
111+30	0.0000	0.05	Q					116+35	0.0000	0.03	Q				
111+35	0.0000	0.05	Q					116+40	0.0000	0.03	Q				
111+40	0.0000	0.05	Q					116+45	0.0000	0.03	Q				
111+45	0.0000	0.05	Q					116+50	0.0000	0.03	Q				
111+50	0.0000	0.05	Q					116+55	0.0000	0.03	Q				
111+55	0.0000	0.05	Q					117+ 0	0.0000	0.03	Q				
112+ 0	0.0000	0.05	Q					117+ 5	0.0000	0.03	Q				
112+ 5	0.0000	0.05	Q					117+10	0.0000	0.03	Q				
112+10	0.0000	0.05	Q					117+15	0.0000	0.03	Q				
112+15	0.0000	0.05	Q					117+20	0.0000	0.03	Q				
112+20	0.0000	0.05	Q					117+25	0.0000	0.03	Q				
112+25	0.0000	0.05	Q					117+30	0.0000	0.03	Q				
112+30	0.0000	0.05	Q					117+35	0.0000	0.03	Q				
112+35	0.0000	0.04	Q					117+40	0.0000	0.03	Q				
112+40	0.0000	0.04	Q					117+45	0.0000	0.03	Q				
112+45	0.0000	0.04	Q					117+50	0.0000	0.03	Q				
112+50	0.0000	0.04	Q					117+55	0.0000	0.03	Q				
112+55	0.0000	0.04	Q					118+ 0	0.0000	0.03	Q				
113+ 0	0.0000	0.04	Q					118+ 5	0.0000	0.03	Q				
113+ 5	0.0000	0.04	Q					118+10	0.0000	0.03	Q				
113+10	0.0000	0.04	Q					118+15	0.0000	0.03	Q				
113+15	0.0000	0.04	Q					118+20	0.0000	0.03	Q				
113+20	0.0000	0.04	Q					118+25	0.0000	0.03	Q				
113+25	0.0000	0.04	Q					118+30	0.0000	0.03	Q				
113+30	0.0000	0.04	Q					118+35	0.0000	0.03	Q				
113+35	0.0000	0.04	Q					118+40	0.0000	0.03	Q				
113+40	0.0000	0.04	Q					118+45	0.0000	0.03	Q				
113+45	0.0000	0.04	Q					118+50	0.0000	0.03	Q				
113+50	0.0000	0.04	Q					118+55	0.0000	0.03	Q				
113+55	0.0000	0.04	Q					119+ 0	0.0000	0.03	Q				
114+ 0	0.0000	0.04	Q					119+ 5	0.0000	0.03	Q				
114+ 5	0.0000	0.04	Q					119+10	0.0000	0.03	Q				
114+10	0.0000	0.04	Q					119+15	0.0000	0.03	Q				
114+15	0.0000	0.04	Q					119+20	0.0000	0.02	Q				
114+20	0.0000	0.04	Q					119+25	0.0000	0.02	Q				
114+25	0.0000	0.04	Q					119+30	0.0000	0.02	Q				
114+30	0.0000	0.04	Q					119+35	0.0000	0.02	Q				
114+35	0.0000	0.04	Q					119+40	0.0000	0.02	Q				
114+40	0.0000	0.04	Q					119+45	0.0000	0.02	Q				
114+45	0.0000	0.04	Q					119+50	0.0000	0.02	Q				
114+50	0.0000	0.04	Q					119+55	0.0000	0.02	Q				
114+55	0.0000	0.04	Q					120+ 0	0.0000	0.02	Q				
115+ 0	0.0000	0.04	Q					120+ 5	0.0000	0.02	Q				
115+ 5	0.0000	0.04	Q					120+10	0.0000	0.02	Q				
115+10	0.0000	0.04	Q					120+15	0.0000	0.02	Q				
115+15	0.0000	0.04	Q					120+20	0.0000	0.02	Q				
115+20	0.0000	0.04	Q					120+25	0.0000	0.02	Q				
115+25	0.0000	0.03	Q					120+30	0.0000	0.02	Q				
115+30	0.0000	0.03	Q					120+35	0.0000	0.02	Q				
115+35	0.0000	0.03	Q					120+40	0.0000	0.02	Q				
115+40	0.0000	0.03	Q					120+45	0.0000	0.02	Q				

120+50	0.0000	0.02	Q					125+55	0.0000	0.01	Q				
120+55	0.0000	0.02	Q					126+ 0	0.0000	0.01	Q				
121+ 0	0.0000	0.02	Q					126+ 5	0.0000	0.01	Q				
121+ 5	0.0000	0.02	Q					126+10	0.0000	0.01	Q				
121+10	0.0000	0.02	Q					126+15	0.0000	0.01	Q				
121+15	0.0000	0.02	Q					126+20	0.0000	0.01	Q				
121+20	0.0000	0.02	Q					126+25	0.0000	0.01	Q				
121+25	0.0000	0.02	Q					126+30	0.0000	0.01	Q				
121+30	0.0000	0.02	Q					126+35	0.0000	0.01	Q				
121+35	0.0000	0.02	Q					126+40	0.0000	0.01	Q				
121+40	0.0000	0.02	Q					126+45	0.0000	0.01	Q				
121+45	0.0000	0.02	Q					126+50	0.0000	0.01	Q				
121+50	0.0000	0.02	Q					126+55	0.0000	0.01	Q				
121+55	0.0000	0.02	Q					127+ 0	0.0000	0.01	Q				
122+ 0	0.0000	0.02	Q					127+ 5	0.0000	0.01	Q				
122+ 5	0.0000	0.02	Q					127+10	0.0000	0.01	Q				
122+10	0.0000	0.02	Q					127+15	0.0000	0.01	Q				
122+15	0.0000	0.02	Q					127+20	0.0000	0.01	Q				
122+20	0.0000	0.02	Q					127+25	0.0000	0.01	Q				
122+25	0.0000	0.02	Q					127+30	0.0000	0.01	Q				
122+30	0.0000	0.02	Q					127+35	0.0000	0.01	Q				
122+35	0.0000	0.02	Q					127+40	0.0000	0.01	Q				
122+40	0.0000	0.02	Q					127+45	0.0000	0.01	Q				
122+45	0.0000	0.02	Q					127+50	0.0000	0.01	Q				
122+50	0.0000	0.02	Q					127+55	0.0000	0.01	Q				
122+55	0.0000	0.02	Q					128+ 0	0.0000	0.01	Q				
123+ 0	0.0000	0.02	Q					128+ 5	0.0000	0.01	Q				
123+ 5	0.0000	0.02	Q					128+10	0.0000	0.01	Q				
123+10	0.0000	0.02	Q					128+15	0.0000	0.01	Q				
123+15	0.0000	0.02	Q					128+20	0.0000	0.01	Q				
123+20	0.0000	0.02	Q					128+25	0.0000	0.01	Q				
123+25	0.0000	0.02	Q					128+30	0.0000	0.01	Q				
123+30	0.0000	0.02	Q					128+35	0.0000	0.01	Q				
123+35	0.0000	0.02	Q					128+40	0.0000	0.01	Q				
123+40	0.0000	0.02	Q					128+45	0.0000	0.01	Q				
123+45	0.0000	0.02	Q					128+50	0.0000	0.01	Q				
123+50	0.0000	0.02	Q					128+55	0.0000	0.01	Q				
123+55	0.0000	0.02	Q					129+ 0	0.0000	0.01	Q				
124+ 0	0.0000	0.02	Q					129+ 5	0.0000	0.01	Q				
124+ 5	0.0000	0.02	Q					129+10	0.0000	0.01	Q				
124+10	0.0000	0.02	Q					129+15	0.0000	0.01	Q				
124+15	0.0000	0.02	Q					129+20	0.0000	0.01	Q				
124+20	0.0000	0.02	Q					129+25	0.0000	0.01	Q				
124+25	0.0000	0.02	Q					129+30	0.0000	0.01	Q				
124+30	0.0000	0.02	Q					129+35	0.0000	0.01	Q				
124+35	0.0000	0.02	Q					129+40	0.0000	0.01	Q				
124+40	0.0000	0.02	Q					129+45	0.0000	0.01	Q				
124+45	0.0000	0.02	Q					129+50	0.0000	0.01	Q				
124+50	0.0000	0.02	Q					129+55	0.0000	0.01	Q				
124+55	0.0000	0.02	Q					130+ 0	0.0000	0.01	Q				
125+ 0	0.0000	0.02	Q					130+ 5	0.0000	0.01	Q				
125+ 5	0.0000	0.02	Q					130+10	0.0000	0.01	Q				
125+10	0.0000	0.01	Q					130+15	0.0000	0.01	Q				
125+15	0.0000	0.01	Q					130+20	0.0000	0.01	Q				
125+20	0.0000	0.01	Q					130+25	0.0000	0.01	Q				
125+25	0.0000	0.01	Q					130+30	0.0000	0.01	Q				
125+30	0.0000	0.01	Q					130+35	0.0000	0.01	Q				
125+35	0.0000	0.01	Q					130+40	0.0000	0.01	Q				
125+40	0.0000	0.01	Q					130+45	0.0000	0.01	Q				
125+45	0.0000	0.01	Q					130+50	0.0000	0.01	Q				
125+50	0.0000	0.01	Q					130+55	0.0000	0.01	Q				

131+ 0	0.0000	0.01	Q				
131+ 5	0.0000	0.01	Q				
131+10	0.0000	0.01	Q				
131+15	0.0000	0.01	Q				
131+20	0.0000	0.01	Q				
131+25	0.0000	0.01	Q				
131+30	0.0000	0.01	Q				
131+35	0.0000	0.01	Q				
131+40	0.0000	0.01	Q				
131+45	0.0000	0.01	Q				
131+50	0.0000	0.01	Q				
131+55	0.0000	0.01	Q				
132+ 0	0.0000	0.01	Q				
132+ 5	0.0000	0.01	Q				
132+10	0.0000	0.01	Q				
132+15	0.0000	0.01	Q				
132+20	0.0000	0.01	Q				
132+25	0.0000	0.01	Q				
132+30	0.0000	0.01	Q				
132+35	0.0000	0.01	Q				
132+40	0.0000	0.01	Q				
132+45	0.0000	0.01	Q				
132+50	0.0000	0.01	Q				
132+55	0.0000	0.01	Q				
133+ 0	0.0000	0.01	Q				
133+ 5	0.0000	0.01	Q				
133+10	0.0000	0.01	Q				
133+15	0.0000	0.01	Q				
133+20	0.0000	0.01	Q				
133+25	0.0000	0.01	Q				
133+30	0.0000	0.01	Q				
133+35	0.0000	0.01	Q				
133+40	0.0000	0.01	Q				
133+45	0.0000	0.01	Q				
133+50	0.0000	0.01	Q				
133+55	0.0000	0.01	Q				
134+ 0	0.0000	0.01	Q				
134+ 5	0.0000	0.01	Q				
134+10	0.0000	0.01	Q				
134+15	0.0000	0.01	Q				
134+20	0.0000	0.01	Q				
134+25	0.0000	0.01	Q				
134+30	0.0000	0.01	Q				
134+35	0.0000	0.01	Q				
134+40	0.0000	0.01	Q				
134+45	0.0000	0.01	Q				
134+50	0.0000	0.01	Q				
134+55	0.0000	0.01	Q				
135+ 0	0.0000	0.01	Q				
135+ 5	0.0000	0.01	Q				
135+10	0.0000	0.01	Q				
135+15	0.0000	0.01	Q				
135+20	0.0000	0.01	Q				
135+25	0.0000	0.01	Q				
135+30	0.0000	0.01	Q				
135+35	0.0000	0.01	Q				
135+40	0.0000	0.01	Q				
135+45	0.0000	0.01	Q				
135+50	0.0000	0.01	Q				
135+55	0.0000	0.01	Q				
136+ 0	0.0000	0.01	Q				
136+ 5	0.0000	0.01	Q				
136+10	0.0000	0.01	Q				
136+15	0.0000	0.01	Q				
136+20	0.0000	0.01	Q				
136+25	0.0000	0.01	Q				
136+30	0.0000	0.01	Q				
136+35	0.0000	0.01	Q				
136+40	0.0000	0.01	Q				
136+45	0.0000	0.01	Q				
136+50	0.0000	0.01	Q				
136+55	0.0000	0.01	Q				
137+ 0	0.0000	0.01	Q				
137+ 5	0.0000	0.01	Q				
137+10	0.0000	0.01	Q				
137+15	0.0000	0.01	Q				
137+20	0.0000	0.01	Q				
137+25	0.0000	0.01	Q				
137+30	0.0000	0.01	Q				
137+35	0.0000	0.01	Q				
137+40	0.0000	0.01	Q				
137+45	0.0000	0.01	Q				
137+50	0.0000	0.00	Q				
137+55	0.0000	0.00	Q				
138+ 0	0.0000	0.00	Q				
138+ 5	0.0000	0.00	Q				
138+10	0.0000	0.00	Q				
138+15	0.0000	0.00	Q				
138+20	0.0000	0.00	Q				
138+25	0.0000	0.00	Q				
138+30	0.0000	0.00	Q				
138+35	0.0000	0.00	Q				
138+40	0.0000	0.00	Q				
138+45	0.0000	0.00	Q				
138+50	0.0000	0.00	Q				
138+55	0.0000	0.00	Q				
139+ 0	0.0000	0.00	Q				
139+ 5	0.0000	0.00	Q				
139+10	0.0000	0.00	Q				
139+15	0.0000	0.00	Q				
139+20	0.0000	0.00	Q				
139+25	0.0000	0.00	Q				
139+30	0.0000	0.00	Q				
139+35	0.0000	0.00	Q				
139+40	0.0000	0.00	Q				
139+45	0.0000	0.00	Q				
139+50	0.0000	0.00	Q				
139+55	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 1876
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 43.239 (CFS)
Total volume = 13.879 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

```
                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                     Study date: 12/06/24

------------------------------------------------------------------------


MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 6 HOUR
BASIN 1 AREAS 3A, 3B & 3C
12/6/2024
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
********************* HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP3A6100.rte
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =    77
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =      124.024 (CFS)
                Total volume =      14.801 (Ac.Ft)
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.100 to Point/Station        3.200
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 77
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.475      0.500      0.473        0.477
  3.000      1.578      0.910      1.575        1.581
  5.000      2.894      1.190      2.890        2.898
  6.000      3.635      1.300      3.631        3.639
  7.000      4.433      1.410      4.428        4.438
  9.000      6.205      1.600      6.199        6.211
 10.000      7.182      1.690      7.176        7.188
 11.000      8.220      1.770      8.214        8.226
 12.000      9.320     10.090      9.285        9.355
 13.000     10.484     19.070     10.418       10.550
 14.000     11.713     29.360     11.612       11.814
 15.000     13.008     36.230     12.883       13.133
 16.000     14.370     41.870     14.226       14.514
 17.000     15.803     46.800     15.642       15.964
 18.000     17.305     51.230     17.129       17.481
 19.000     18.880     55.300     18.690       19.070
 20.000     20.535     59.080     20.332       20.738
 21.000     22.690     62.630     22.474       22.906
 22.000     24.840     65.980     24.613       25.067
------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
------------------------------------------------------------------------
Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0      31.0    62.01   93.02  124.02 (Ft.)
 0.083   1.97    0.01      0.007  O       |       |       |       |      0.01
 0.167   6.95    0.04      0.037  OI      |       |       |       |      0.08
 0.250   9.07    0.10      0.092  O I     |       |       |       |      0.19
 0.333   9.65    0.16      0.156  O I     |       |       |       |      0.33
 0.417   9.81    0.23      0.221  O I     |       |       |       |      0.47
 0.500  10.26    0.30      0.289  O I     |       |       |       |      0.61
 0.583  11.19    0.38      0.360  O I     |       |       |       |      0.76
 0.667  11.43    0.46      0.435  O I     |       |       |       |      0.92
 0.750  11.50    0.51      0.511  O I     |       |       |       |      1.06
 0.833  11.52    0.54      0.586  O I     |       |       |       |      1.20
 0.917  11.53    0.57      0.662  O I     |       |       |       |      1.34
 1.000  11.92    0.60      0.739  O  I    |       |       |       |      1.48
 1.083  12.84    0.63      0.820  O  I    |       |       |       |      1.62
 1.167  13.08    0.66      0.904  O  I    |       |       |       |      1.78
 1.250  13.15    0.69      0.990  O  I    |       |       |       |      1.93
 1.333  13.16    0.72      1.076  O  I    |       |       |       |      2.09
 1.417  13.17    0.76      1.161  O  I    |       |       |       |      2.24
 1.500  13.17    0.79      1.247  O  I    |       |       |       |      2.40
 1.583  13.17    0.82      1.332  O  I    |       |       |       |      2.55
 1.667  13.17    0.85      1.417  O  I    |       |       |       |      2.71
 1.750  13.17    0.88      1.502  O  I    |       |       |       |      2.86
 1.833  13.17    0.91      1.586  O  I    |       |       |       |      3.01
 1.917  13.17    0.93      1.671  O  I    |       |       |       |      3.14
 2.000  13.73    0.95      1.757  O  I    |       |       |       |      3.27
 2.083  14.47    0.97      1.847  O  I    |       |       |       |      3.41
 2.167  14.07    0.99      1.939  O  I    |       |       |       |      3.55
 2.250  15.12    1.01      2.033  O  I    |       |       |       |      3.69
 2.333  15.39    1.03      2.131  O  I    |       |       |       |      3.84
 2.417  15.48    1.05      2.230  O  I    |       |       |       |      3.99
 2.500  15.49    1.07      2.329  O  I    |       |       |       |      4.14
 2.583  15.50    1.09      2.428  O  I    |       |       |       |      4.29
 2.667  15.50    1.11      2.528  O  I    |       |       |       |      4.44
 2.750  16.17    1.13      2.629  O   I   |       |       |       |      4.60
 2.833  17.72    1.16      2.738  O   I   |       |       |       |      4.76
 2.917  18.13    1.18      2.853  O   I   |       |       |       |      4.94
 3.000  18.25    1.20      2.970  O   I   |       |       |       |      5.10
 3.083  18.28    1.22      3.088  O   I   |       |       |       |      5.26
 3.167  18.96    1.24      3.207  O   I   |       |       |       |      5.42
```

3.250	20.51	1.26	3.335	O	I					5.59	8.333	0.00	7.52	8.980	IO					11.69
3.333	20.92	1.28	3.469	O	I					5.78	8.417	0.00	7.14	8.929	IO					11.64
3.417	21.70	1.30	3.607	O	I					5.96	8.500	0.00	6.77	8.881	IO					11.60
3.500	23.96	1.32	3.755	O	I					6.15	8.583	0.00	6.43	8.836	IO					11.56
3.583	26.60	1.34	3.920	O	I					6.36	8.667	0.00	6.10	8.793	IO					11.52
3.667	28.68	1.36	4.101	O	I					6.58	8.750	0.00	5.79	8.752	IO					11.48
3.750	29.90	1.39	4.293	O	I					6.82	8.833	0.00	5.50	8.713	IO					11.45
3.833	31.62	1.42	4.495	O	I					7.07	8.917	0.00	5.22	8.676	IO					11.41
3.917	32.74	1.44	4.707	O	I					7.31	9.000	0.00	4.95	8.641	IO					11.38
4.000	34.42	1.46	4.928	O	I					7.56	9.083	0.00	4.70	8.608	IO					11.35
4.083	35.53	1.49	5.159	O	I					7.82	9.167	0.00	4.46	8.576	IO					11.32
4.167	37.88	1.51	5.401	O	I					8.09	9.250	0.00	4.24	8.546	IO					11.30
4.250	40.54	1.54	5.661	O	I					8.39	9.333	0.00	4.02	8.518	IO					11.27
4.333	43.30	1.57	5.939	O	I					8.70	9.417	0.00	3.82	8.491	O					11.25
4.417	46.08	1.60	6.236	O	I					9.03	9.500	0.00	3.62	8.465	O					11.22
4.500	48.20	1.63	6.549	O	I					9.35	9.583	0.00	3.44	8.441	O					11.20
4.583	49.44	1.66	6.874	O	I					9.69	9.667	0.00	3.27	8.418	O					11.18
4.667	51.82	1.69	7.211	O	I					10.03	9.750	0.00	3.10	8.396	O					11.16
4.750	54.50	1.72	7.566	O	I					10.37	9.833	0.00	2.94	8.375	O					11.14
4.833	56.59	1.75	7.936	O	I					10.73	9.917	0.00	2.79	8.355	O					11.12
4.917	57.81	2.49	8.316	O	I					11.09	10.000	0.00	2.65	8.337	O					11.11
5.000	60.19	5.36	8.695	O	I					11.43	10.083	0.00	2.52	8.319	O					11.09
5.083	65.53	8.28	9.081	O	I					11.78	10.167	0.00	2.39	8.302	O					11.07
5.167	77.19	11.51	9.504	O	I					12.16	10.250	0.00	2.27	8.286	O					11.06
5.250	89.15	15.22	9.985	O	I					12.57	10.333	0.00	2.15	8.271	O					11.05
5.333	98.48	19.31	10.512	O	I					13.02	10.417	0.00	2.04	8.256	O					11.03
5.417	108.45	24.02	11.076	O	I					13.48	10.500	0.00	1.94	8.242	O					11.02
5.500	124.02	29.19	11.693	O	I					13.98	10.583	0.00	1.84	8.229	O					11.01
5.583	115.91	32.51	12.307	O	I					14.46	10.667	0.00	1.77	8.217	O					11.00
5.667	56.04	34.43	12.668	O	I					14.74	10.750	0.00	1.77	8.205	O					10.99
5.750	25.33	34.65	12.711	O	I					14.77	10.833	0.00	1.77	8.193	O					10.97
5.833	13.76	34.11	12.608	O	I					14.69	10.917	0.00	1.77	8.180	O					10.96
5.917	9.08	33.30	12.455	O	I					14.57	11.000	0.00	1.77	8.168	O					10.95
6.000	5.55	32.36	12.279	O	I					14.44	11.083	0.00	1.77	8.156	O					10.94
6.083	3.09	31.36	12.089	O	I					14.29	11.167	0.00	1.76	8.144	O					10.93
6.167	0.83	30.30	11.891	O	I					14.14	11.250	0.00	1.76	8.132	O					10.92
6.250	0.23	29.16	11.689	O	I					13.98	11.333	0.00	1.76	8.120	O					10.90
6.333	0.06	27.54	11.495	O	I					13.82	11.417	0.00	1.76	8.108	O					10.89
6.417	0.02	26.00	11.311	O	I					13.67	11.500	0.00	1.76	8.095	O					10.88
6.500	0.00	24.54	11.137	O	I					13.53	11.583	0.00	1.76	8.083	O					10.87
6.583	0.00	23.16	10.973	O	I					13.40	11.667	0.00	1.76	8.071	O					10.86
6.667	0.00	21.87	10.818	O	I					13.27	11.750	0.00	1.76	8.059	O					10.84
6.750	0.00	20.64	10.672	O	I					13.15	11.833	0.00	1.76	8.047	O					10.83
6.833	0.00	19.48	10.533	O	I					13.04	11.917	0.00	1.76	8.035	O					10.82
6.917	0.00	18.44	10.403	O	I					12.93	12.000	0.00	1.75	8.023	O					10.81
7.000	0.00	17.49	10.279	O	I					12.82	12.083	0.00	1.75	8.011	O					10.80
7.083	0.00	16.58	10.162	O	I					12.72	12.167	0.00	1.75	7.999	O					10.79
7.167	0.00	15.73	10.050	O	I					12.63	12.250	0.00	1.75	7.987	O					10.78
7.250	0.00	14.91	9.945	O	I					12.54	12.333	0.00	1.75	7.974	O					10.76
7.333	0.00	14.14	9.845	O	I					12.45	12.417	0.00	1.75	7.962	O					10.75
7.417	0.00	13.41	9.750	O	I					12.37	12.500	0.00	1.75	7.950	O					10.74
7.500	0.00	12.71	9.660	O	I					12.29	12.583	0.00	1.75	7.938	O					10.73
7.583	0.00	12.06	9.575	O	I					12.22	12.667	0.00	1.75	7.926	O					10.72
7.667	0.00	11.43	9.494	O	I					12.15	12.750	0.00	1.75	7.914	O					10.71
7.750	0.00	10.84	9.417	O	I					12.08	12.833	0.00	1.75	7.902	O					10.69
7.833	0.00	10.28	9.345	O	I					12.02	12.917	0.00	1.74	7.890	O					10.68
7.917	0.00	9.75	9.276	O	I					11.96	13.000	0.00	1.74	7.878	O					10.67
8.000	0.00	9.26	9.210	O	I					11.90	13.083	0.00	1.74	7.866	O					10.66
8.083	0.00	8.79	9.148	O	I					11.84	13.167	0.00	1.74	7.854	O					10.65
8.167	0.00	8.34	9.089	O	I					11.79	13.250	0.00	1.74	7.842	O					10.64
8.250	0.00	7.92	9.033	O	I					11.74	13.333	0.00	1.74	7.830	O					10.62

13.417	0.00	1.74	7.818	O					10.61	18.500	0.00	1.68	7.099	O					9.92
13.500	0.00	1.74	7.806	O					10.60	18.583	0.00	1.68	7.088	O					9.90
13.583	0.00	1.74	7.794	O					10.59	18.667	0.00	1.68	7.076	O					9.89
13.667	0.00	1.74	7.782	O					10.58	18.750	0.00	1.68	7.065	O					9.88
13.750	0.00	1.74	7.770	O					10.57	18.833	0.00	1.68	7.053	O					9.87
13.833	0.00	1.73	7.758	O					10.56	18.917	0.00	1.68	7.042	O					9.86
13.917	0.00	1.73	7.746	O					10.54	19.000	0.00	1.68	7.030	O					9.84
14.000	0.00	1.73	7.735	O					10.53	19.083	0.00	1.67	7.018	O					9.83
14.083	0.00	1.73	7.723	O					10.52	19.167	0.00	1.67	7.007	O					9.82
14.167	0.00	1.73	7.711	O					10.51	19.250	0.00	1.67	6.995	O					9.81
14.250	0.00	1.73	7.699	O					10.50	19.333	0.00	1.67	6.984	O					9.80
14.333	0.00	1.73	7.687	O					10.49	19.417	0.00	1.67	6.972	O					9.79
14.417	0.00	1.73	7.675	O					10.47	19.500	0.00	1.67	6.961	O					9.77
14.500	0.00	1.73	7.663	O					10.46	19.583	0.00	1.67	6.949	O					9.76
14.583	0.00	1.73	7.651	O					10.45	19.667	0.00	1.67	6.938	O					9.75
14.667	0.00	1.73	7.639	O					10.44	19.750	0.00	1.67	6.926	O					9.74
14.750	0.00	1.72	7.627	O					10.43	19.833	0.00	1.67	6.915	O					9.73
14.833	0.00	1.72	7.616	O					10.42	19.917	0.00	1.66	6.903	O					9.71
14.917	0.00	1.72	7.604	O					10.41	20.000	0.00	1.66	6.892	O					9.70
15.000	0.00	1.72	7.592	O					10.39	20.083	0.00	1.66	6.881	O					9.69
15.083	0.00	1.72	7.580	O					10.38	20.167	0.00	1.66	6.869	O					9.68
15.167	0.00	1.72	7.568	O					10.37	20.250	0.00	1.66	6.858	O					9.67
15.250	0.00	1.72	7.556	O					10.36	20.333	0.00	1.66	6.846	O					9.66
15.333	0.00	1.72	7.544	O					10.35	20.417	0.00	1.66	6.835	O					9.64
15.417	0.00	1.72	7.533	O					10.34	20.500	0.00	1.66	6.823	O					9.63
15.500	0.00	1.72	7.521	O					10.33	20.583	0.00	1.66	6.812	O					9.62
15.583	0.00	1.72	7.509	O					10.32	20.667	0.00	1.65	6.801	O					9.61
15.667	0.00	1.71	7.497	O					10.30	20.750	0.00	1.65	6.789	O					9.60
15.750	0.00	1.71	7.485	O					10.29	20.833	0.00	1.65	6.778	O					9.59
15.833	0.00	1.71	7.474	O					10.28	20.917	0.00	1.65	6.766	O					9.57
15.917	0.00	1.71	7.462	O					10.27	21.000	0.00	1.65	6.755	O					9.56
16.000	0.00	1.71	7.450	O					10.26	21.083	0.00	1.65	6.744	O					9.55
16.083	0.00	1.71	7.438	O					10.25	21.167	0.00	1.65	6.732	O					9.54
16.167	0.00	1.71	7.426	O					10.24	21.250	0.00	1.65	6.721	O					9.53
16.250	0.00	1.71	7.415	O					10.22	21.333	0.00	1.65	6.710	O					9.52
16.333	0.00	1.71	7.403	O					10.21	21.417	0.00	1.65	6.698	O					9.50
16.417	0.00	1.71	7.391	O					10.20	21.500	0.00	1.64	6.687	O					9.49
16.500	0.00	1.71	7.379	O					10.19	21.583	0.00	1.64	6.676	O					9.48
16.583	0.00	1.70	7.368	O					10.18	21.667	0.00	1.64	6.664	O					9.47
16.667	0.00	1.70	7.356	O					10.17	21.750	0.00	1.64	6.653	O					9.46
16.750	0.00	1.70	7.344	O					10.16	21.833	0.00	1.64	6.642	O					9.45
16.833	0.00	1.70	7.332	O					10.14	21.917	0.00	1.64	6.630	O					9.44
16.917	0.00	1.70	7.321	O					10.13	22.000	0.00	1.64	6.619	O					9.42
17.000	0.00	1.70	7.309	O					10.12	22.083	0.00	1.64	6.608	O					9.41
17.083	0.00	1.70	7.297	O					10.11	22.167	0.00	1.64	6.597	O					9.40
17.167	0.00	1.70	7.286	O					10.10	22.250	0.00	1.64	6.585	O					9.39
17.250	0.00	1.70	7.274	O					10.09	22.333	0.00	1.63	6.574	O					9.38
17.333	0.00	1.70	7.262	O					10.08	22.417	0.00	1.63	6.563	O					9.37
17.417	0.00	1.70	7.251	O					10.07	22.500	0.00	1.63	6.552	O					9.35
17.500	0.00	1.69	7.239	O					10.05	22.583	0.00	1.63	6.540	O					9.34
17.583	0.00	1.69	7.227	O					10.04	22.667	0.00	1.63	6.529	O					9.33
17.667	0.00	1.69	7.216	O					10.03	22.750	0.00	1.63	6.518	O					9.32
17.750	0.00	1.69	7.204	O					10.02	22.833	0.00	1.63	6.507	O					9.31
17.833	0.00	1.69	7.192	O					10.01	22.917	0.00	1.63	6.496	O					9.30
17.917	0.00	1.69	7.181	O					10.00	23.000	0.00	1.63	6.484	O					9.29
18.000	0.00	1.69	7.169	O					9.99	23.083	0.00	1.62	6.473	O					9.27
18.083	0.00	1.69	7.157	O					9.97	23.167	0.00	1.62	6.462	O					9.26
18.167	0.00	1.69	7.146	O					9.96	23.250	0.00	1.62	6.451	O					9.25
18.250	0.00	1.69	7.134	O					9.95	23.333	0.00	1.62	6.440	O					9.24
18.333	0.00	1.68	7.123	O					9.94	23.417	0.00	1.62	6.428	O					9.23
18.417	0.00	1.68	7.111	O					9.93	23.500	0.00	1.62	6.417	O					9.22

23.583	0.00	1.62	6.406	O	|	|	|	|	9.21	28.667	0.00	1.55	5.740	O	|	|	|	|	8.48
23.667	0.00	1.62	6.395	O	|	|	|	|	9.19	28.750	0.00	1.55	5.729	O	|	|	|	|	8.46
23.750	0.00	1.62	6.384	O	|	|	|	|	9.18	28.833	0.00	1.55	5.719	O	|	|	|	|	8.45
23.833	0.00	1.62	6.373	O	|	|	|	|	9.17	28.917	0.00	1.55	5.708	O	|	|	|	|	8.44
23.917	0.00	1.61	6.362	O	|	|	|	|	9.16	29.000	0.00	1.55	5.698	O	|	|	|	|	8.43
24.000	0.00	1.61	6.350	O	|	|	|	|	9.15	29.083	0.00	1.54	5.687	O	|	|	|	|	8.42
24.083	0.00	1.61	6.339	O	|	|	|	|	9.14	29.167	0.00	1.54	5.676	O	|	|	|	|	8.40
24.167	0.00	1.61	6.328	O	|	|	|	|	9.13	29.250	0.00	1.54	5.666	O	|	|	|	|	8.39
24.250	0.00	1.61	6.317	O	|	|	|	|	9.11	29.333	0.00	1.54	5.655	O	|	|	|	|	8.38
24.333	0.00	1.61	6.306	O	|	|	|	|	9.10	29.417	0.00	1.54	5.644	O	|	|	|	|	8.37
24.417	0.00	1.61	6.295	O	|	|	|	|	9.09	29.500	0.00	1.54	5.634	O	|	|	|	|	8.36
24.500	0.00	1.61	6.284	O	|	|	|	|	9.08	29.583	0.00	1.54	5.623	O	|	|	|	|	8.34
24.583	0.00	1.61	6.273	O	|	|	|	|	9.07	29.667	0.00	1.54	5.613	O	|	|	|	|	8.33
24.667	0.00	1.61	6.262	O	|	|	|	|	9.06	29.750	0.00	1.54	5.602	O	|	|	|	|	8.32
24.750	0.00	1.60	6.251	O	|	|	|	|	9.05	29.833	0.00	1.53	5.591	O	|	|	|	|	8.31
24.833	0.00	1.60	6.240	O	|	|	|	|	9.04	29.917	0.00	1.53	5.581	O	|	|	|	|	8.30
24.917	0.00	1.60	6.229	O	|	|	|	|	9.02	30.000	0.00	1.53	5.570	O	|	|	|	|	8.28
25.000	0.00	1.60	6.218	O	|	|	|	|	9.01	30.083	0.00	1.53	5.560	O	|	|	|	|	8.27
25.083	0.00	1.60	6.207	O	|	|	|	|	9.00	30.167	0.00	1.53	5.549	O	|	|	|	|	8.26
25.167	0.00	1.60	6.196	O	|	|	|	|	8.99	30.250	0.00	1.53	5.539	O	|	|	|	|	8.25
25.250	0.00	1.60	6.185	O	|	|	|	|	8.98	30.333	0.00	1.53	5.528	O	|	|	|	|	8.24
25.333	0.00	1.60	6.174	O	|	|	|	|	8.96	30.417	0.00	1.53	5.518	O	|	|	|	|	8.22
25.417	0.00	1.60	6.163	O	|	|	|	|	8.95	30.500	0.00	1.53	5.507	O	|	|	|	|	8.21
25.500	0.00	1.59	6.152	O	|	|	|	|	8.94	30.583	0.00	1.52	5.497	O	|	|	|	|	8.20
25.583	0.00	1.59	6.141	O	|	|	|	|	8.93	30.667	0.00	1.52	5.486	O	|	|	|	|	8.19
25.667	0.00	1.59	6.130	O	|	|	|	|	8.91	30.750	0.00	1.52	5.476	O	|	|	|	|	8.18
25.750	0.00	1.59	6.119	O	|	|	|	|	8.90	30.833	0.00	1.52	5.465	O	|	|	|	|	8.17
25.833	0.00	1.59	6.108	O	|	|	|	|	8.89	30.917	0.00	1.52	5.455	O	|	|	|	|	8.15
25.917	0.00	1.59	6.097	O	|	|	|	|	8.88	31.000	0.00	1.52	5.444	O	|	|	|	|	8.14
26.000	0.00	1.59	6.086	O	|	|	|	|	8.87	31.083	0.00	1.52	5.434	O	|	|	|	|	8.13
26.083	0.00	1.59	6.075	O	|	|	|	|	8.85	31.167	0.00	1.52	5.423	O	|	|	|	|	8.12
26.167	0.00	1.58	6.064	O	|	|	|	|	8.84	31.250	0.00	1.52	5.413	O	|	|	|	|	8.11
26.250	0.00	1.58	6.053	O	|	|	|	|	8.83	31.333	0.00	1.51	5.403	O	|	|	|	|	8.09
26.333	0.00	1.58	6.042	O	|	|	|	|	8.82	31.417	0.00	1.51	5.392	O	|	|	|	|	8.08
26.417	0.00	1.58	6.031	O	|	|	|	|	8.80	31.500	0.00	1.51	5.382	O	|	|	|	|	8.07
26.500	0.00	1.58	6.020	O	|	|	|	|	8.79	31.583	0.00	1.51	5.371	O	|	|	|	|	8.06
26.583	0.00	1.58	6.010	O	|	|	|	|	8.78	31.667	0.00	1.51	5.361	O	|	|	|	|	8.05
26.667	0.00	1.58	5.999	O	|	|	|	|	8.77	31.750	0.00	1.51	5.350	O	|	|	|	|	8.04
26.750	0.00	1.58	5.988	O	|	|	|	|	8.75	31.833	0.00	1.51	5.340	O	|	|	|	|	8.02
26.833	0.00	1.58	5.977	O	|	|	|	|	8.74	31.917	0.00	1.51	5.330	O	|	|	|	|	8.01
26.917	0.00	1.57	5.966	O	|	|	|	|	8.73	32.000	0.00	1.51	5.319	O	|	|	|	|	8.00
27.000	0.00	1.57	5.955	O	|	|	|	|	8.72	32.083	0.00	1.50	5.309	O	|	|	|	|	7.99
27.083	0.00	1.57	5.944	O	|	|	|	|	8.71	32.167	0.00	1.50	5.299	O	|	|	|	|	7.98
27.167	0.00	1.57	5.934	O	|	|	|	|	8.69	32.250	0.00	1.50	5.288	O	|	|	|	|	7.97
27.250	0.00	1.57	5.923	O	|	|	|	|	8.68	32.333	0.00	1.50	5.278	O	|	|	|	|	7.95
27.333	0.00	1.57	5.912	O	|	|	|	|	8.67	32.417	0.00	1.50	5.268	O	|	|	|	|	7.94
27.417	0.00	1.57	5.901	O	|	|	|	|	8.66	32.500	0.00	1.50	5.257	O	|	|	|	|	7.93
27.500	0.00	1.57	5.890	O	|	|	|	|	8.64	32.583	0.00	1.50	5.247	O	|	|	|	|	7.92
27.583	0.00	1.57	5.880	O	|	|	|	|	8.63	32.667	0.00	1.50	5.237	O	|	|	|	|	7.91
27.667	0.00	1.56	5.869	O	|	|	|	|	8.62	32.750	0.00	1.50	5.226	O	|	|	|	|	7.90
27.750	0.00	1.56	5.858	O	|	|	|	|	8.61	32.833	0.00	1.49	5.216	O	|	|	|	|	7.88
27.833	0.00	1.56	5.847	O	|	|	|	|	8.60	32.917	0.00	1.49	5.206	O	|	|	|	|	7.87
27.917	0.00	1.56	5.837	O	|	|	|	|	8.58	33.000	0.00	1.49	5.196	O	|	|	|	|	7.86
28.000	0.00	1.56	5.826	O	|	|	|	|	8.57	33.083	0.00	1.49	5.185	O	|	|	|	|	7.85
28.083	0.00	1.56	5.815	O	|	|	|	|	8.56	33.167	0.00	1.49	5.175	O	|	|	|	|	7.84
28.167	0.00	1.56	5.804	O	|	|	|	|	8.55	33.250	0.00	1.49	5.165	O	|	|	|	|	7.83
28.250	0.00	1.56	5.794	O	|	|	|	|	8.54	33.333	0.00	1.49	5.154	O	|	|	|	|	7.81
28.333	0.00	1.55	5.783	O	|	|	|	|	8.52	33.417	0.00	1.49	5.144	O	|	|	|	|	7.80
28.417	0.00	1.55	5.772	O	|	|	|	|	8.51	33.500	0.00	1.49	5.134	O	|	|	|	|	7.79
28.500	0.00	1.55	5.762	O	|	|	|	|	8.50	33.583	0.00	1.48	5.124	O	|	|	|	|	7.78
28.583	0.00	1.55	5.751	O	|	|	|	|	8.49	33.667	0.00	1.48	5.114	O	|	|	|	|	7.77

33.750	0.00	1.48	5.103	O					7.76	38.833	0.00	1.42	4.495	O					7.07
33.833	0.00	1.48	5.093	O					7.75	38.917	0.00	1.42	4.485	O					7.06
33.917	0.00	1.48	5.083	O					7.73	39.000	0.00	1.41	4.475	O					7.05
34.000	0.00	1.48	5.073	O					7.72	39.083	0.00	1.41	4.465	O					7.04
34.083	0.00	1.48	5.063	O					7.71	39.167	0.00	1.41	4.456	O					7.03
34.167	0.00	1.48	5.052	O					7.70	39.250	0.00	1.41	4.446	O					7.01
34.250	0.00	1.48	5.042	O					7.69	39.333	0.00	1.41	4.436	O					7.00
34.333	0.00	1.47	5.032	O					7.68	39.417	0.00	1.41	4.427	O					6.99
34.417	0.00	1.47	5.022	O					7.66	39.500	0.00	1.41	4.417	O					6.98
34.500	0.00	1.47	5.012	O					7.65	39.583	0.00	1.41	4.407	O					6.97
34.583	0.00	1.47	5.002	O					7.64	39.667	0.00	1.41	4.397	O					6.96
34.667	0.00	1.47	4.992	O					7.63	39.750	0.00	1.40	4.388	O					6.94
34.750	0.00	1.47	4.981	O					7.62	39.833	0.00	1.40	4.378	O					6.93
34.833	0.00	1.47	4.971	O					7.61	39.917	0.00	1.40	4.368	O					6.92
34.917	0.00	1.47	4.961	O					7.60	40.000	0.00	1.40	4.359	O					6.91
35.000	0.00	1.47	4.951	O					7.58	40.083	0.00	1.40	4.349	O					6.89
35.083	0.00	1.46	4.941	O					7.57	40.167	0.00	1.40	4.340	O					6.88
35.167	0.00	1.46	4.931	O					7.56	40.250	0.00	1.40	4.330	O					6.87
35.250	0.00	1.46	4.921	O					7.55	40.333	0.00	1.39	4.320	O					6.86
35.333	0.00	1.46	4.911	O					7.54	40.417	0.00	1.39	4.311	O					6.85
35.417	0.00	1.46	4.901	O					7.53	40.500	0.00	1.39	4.301	O					6.83
35.500	0.00	1.46	4.891	O					7.52	40.583	0.00	1.39	4.292	O					6.82
35.583	0.00	1.46	4.881	O					7.51	40.667	0.00	1.39	4.282	O					6.81
35.667	0.00	1.46	4.871	O					7.49	40.750	0.00	1.39	4.272	O					6.80
35.750	0.00	1.46	4.861	O					7.48	40.833	0.00	1.39	4.263	O					6.79
35.833	0.00	1.45	4.851	O					7.47	40.917	0.00	1.39	4.253	O					6.77
35.917	0.00	1.45	4.841	O					7.46	41.000	0.00	1.38	4.244	O					6.76
36.000	0.00	1.45	4.831	O					7.45	41.083	0.00	1.38	4.234	O					6.75
36.083	0.00	1.45	4.821	O					7.44	41.167	0.00	1.38	4.225	O					6.74
36.167	0.00	1.45	4.811	O					7.43	41.250	0.00	1.38	4.215	O					6.73
36.250	0.00	1.45	4.801	O					7.41	41.333	0.00	1.38	4.206	O					6.72
36.333	0.00	1.45	4.791	O					7.40	41.417	0.00	1.38	4.196	O					6.70
36.417	0.00	1.45	4.781	O					7.39	41.500	0.00	1.38	4.187	O					6.69
36.500	0.00	1.45	4.771	O					7.38	41.583	0.00	1.37	4.177	O					6.68
36.583	0.00	1.45	4.761	O					7.37	41.667	0.00	1.37	4.168	O					6.67
36.667	0.00	1.44	4.751	O					7.36	41.750	0.00	1.37	4.158	O					6.66
36.750	0.00	1.44	4.741	O					7.35	41.833	0.00	1.37	4.149	O					6.64
36.833	0.00	1.44	4.731	O					7.34	41.917	0.00	1.37	4.139	O					6.63
36.917	0.00	1.44	4.721	O					7.32	42.000	0.00	1.37	4.130	O					6.62
37.000	0.00	1.44	4.711	O					7.31	42.083	0.00	1.37	4.121	O					6.61
37.083	0.00	1.44	4.701	O					7.30	42.167	0.00	1.37	4.111	O					6.60
37.167	0.00	1.44	4.691	O					7.29	42.250	0.00	1.36	4.102	O					6.59
37.250	0.00	1.44	4.681	O					7.28	42.333	0.00	1.36	4.092	O					6.57
37.333	0.00	1.44	4.671	O					7.27	42.417	0.00	1.36	4.083	O					6.56
37.417	0.00	1.43	4.662	O					7.26	42.500	0.00	1.36	4.074	O					6.55
37.500	0.00	1.43	4.652	O					7.25	42.583	0.00	1.36	4.064	O					6.54
37.583	0.00	1.43	4.642	O					7.24	42.667	0.00	1.36	4.055	O					6.53
37.667	0.00	1.43	4.632	O					7.22	42.750	0.00	1.36	4.046	O					6.51
37.750	0.00	1.43	4.622	O					7.21	42.833	0.00	1.36	4.036	O					6.50
37.833	0.00	1.43	4.612	O					7.20	42.917	0.00	1.35	4.027	O					6.49
37.917	0.00	1.43	4.602	O					7.19	43.000	0.00	1.35	4.018	O					6.48
38.000	0.00	1.43	4.593	O					7.18	43.083	0.00	1.35	4.008	O					6.47
38.083	0.00	1.43	4.583	O					7.17	43.167	0.00	1.35	3.999	O					6.46
38.167	0.00	1.43	4.573	O					7.16	43.250	0.00	1.35	3.990	O					6.44
38.250	0.00	1.42	4.563	O					7.15	43.333	0.00	1.35	3.980	O					6.43
38.333	0.00	1.42	4.553	O					7.14	43.417	0.00	1.35	3.971	O					6.42
38.417	0.00	1.42	4.544	O					7.12	43.500	0.00	1.35	3.962	O					6.41
38.500	0.00	1.42	4.534	O					7.11	43.583	0.00	1.34	3.953	O					6.40
38.583	0.00	1.42	4.524	O					7.10	43.667	0.00	1.34	3.943	O					6.39
38.667	0.00	1.42	4.514	O					7.09	43.750	0.00	1.34	3.934	O					6.37
38.750	0.00	1.42	4.504	O					7.08	43.833	0.00	1.34	3.925	O					6.36

43.917	0.00	1.34	3.916	O					6.35	49.000	0.00	1.26	3.370	O					5.64
44.000	0.00	1.34	3.906	O					6.34	49.083	0.00	1.26	3.361	O					5.63
44.083	0.00	1.34	3.897	O					6.33	49.167	0.00	1.26	3.352	O					5.62
44.167	0.00	1.33	3.888	O					6.32	49.250	0.00	1.26	3.344	O					5.61
44.250	0.00	1.33	3.879	O					6.31	49.333	0.00	1.26	3.335	O					5.59
44.333	0.00	1.33	3.870	O					6.29	49.417	0.00	1.25	3.326	O					5.58
44.417	0.00	1.33	3.861	O					6.28	49.500	0.00	1.25	3.318	O					5.57
44.500	0.00	1.33	3.851	O					6.27	49.583	0.00	1.25	3.309	O					5.56
44.583	0.00	1.33	3.842	O					6.26	49.667	0.00	1.25	3.300	O					5.55
44.667	0.00	1.33	3.833	O					6.25	49.750	0.00	1.25	3.292	O					5.54
44.750	0.00	1.33	3.824	O					6.24	49.833	0.00	1.25	3.283	O					5.53
44.833	0.00	1.32	3.815	O					6.23	49.917	0.00	1.25	3.275	O					5.51
44.917	0.00	1.32	3.806	O					6.21	50.000	0.00	1.25	3.266	O					5.50
45.000	0.00	1.32	3.797	O					6.20	50.083	0.00	1.24	3.257	O					5.49
45.083	0.00	1.32	3.787	O					6.19	50.167	0.00	1.24	3.249	O					5.48
45.167	0.00	1.32	3.778	O					6.18	50.250	0.00	1.24	3.240	O					5.47
45.250	0.00	1.32	3.769	O					6.17	50.333	0.00	1.24	3.232	O					5.46
45.333	0.00	1.32	3.760	O					6.16	50.417	0.00	1.24	3.223	O					5.44
45.417	0.00	1.32	3.751	O					6.15	50.500	0.00	1.24	3.215	O					5.43
45.500	0.00	1.31	3.742	O					6.13	50.583	0.00	1.24	3.206	O					5.42
45.583	0.00	1.31	3.733	O					6.12	50.667	0.00	1.24	3.198	O					5.41
45.667	0.00	1.31	3.724	O					6.11	50.750	0.00	1.23	3.189	O					5.40
45.750	0.00	1.31	3.715	O					6.10	50.833	0.00	1.23	3.181	O					5.39
45.833	0.00	1.31	3.706	O					6.09	50.917	0.00	1.23	3.172	O					5.38
45.917	0.00	1.31	3.697	O					6.08	51.000	0.00	1.23	3.164	O					5.36
46.000	0.00	1.31	3.688	O					6.07	51.083	0.00	1.23	3.155	O					5.35
46.083	0.00	1.31	3.679	O					6.06	51.167	0.00	1.23	3.147	O					5.34
46.167	0.00	1.30	3.670	O					6.04	51.250	0.00	1.23	3.138	O					5.33
46.250	0.00	1.30	3.661	O					6.03	51.333	0.00	1.23	3.130	O					5.32
46.333	0.00	1.30	3.652	O					6.02	51.417	0.00	1.22	3.121	O					5.31
46.417	0.00	1.30	3.643	O					6.01	51.500	0.00	1.22	3.113	O					5.30
46.500	0.00	1.30	3.634	O					6.00	51.583	0.00	1.22	3.105	O					5.28
46.583	0.00	1.30	3.625	O					5.99	51.667	0.00	1.22	3.096	O					5.27
46.667	0.00	1.30	3.616	O					5.97	51.750	0.00	1.22	3.088	O					5.26
46.750	0.00	1.30	3.607	O					5.96	51.833	0.00	1.22	3.079	O					5.25
46.833	0.00	1.29	3.598	O					5.95	51.917	0.00	1.22	3.071	O					5.24
46.917	0.00	1.29	3.589	O					5.94	52.000	0.00	1.22	3.063	O					5.23
47.000	0.00	1.29	3.580	O					5.93	52.083	0.00	1.21	3.054	O					5.22
47.083	0.00	1.29	3.572	O					5.91	52.167	0.00	1.21	3.046	O					5.21
47.167	0.00	1.29	3.563	O					5.90	52.250	0.00	1.21	3.038	O					5.19
47.250	0.00	1.29	3.554	O					5.89	52.333	0.00	1.21	3.029	O					5.18
47.333	0.00	1.29	3.545	O					5.88	52.417	0.00	1.21	3.021	O					5.17
47.417	0.00	1.29	3.536	O					5.87	52.500	0.00	1.21	3.013	O					5.16
47.500	0.00	1.28	3.527	O					5.85	52.583	0.00	1.21	3.004	O					5.15
47.583	0.00	1.28	3.518	O					5.84	52.667	0.00	1.21	2.996	O					5.14
47.667	0.00	1.28	3.510	O					5.83	52.750	0.00	1.20	2.988	O					5.13
47.750	0.00	1.28	3.501	O					5.82	52.833	0.00	1.20	2.979	O					5.12
47.833	0.00	1.28	3.492	O					5.81	52.917	0.00	1.20	2.971	O					5.10
47.917	0.00	1.28	3.483	O					5.80	53.000	0.00	1.20	2.963	O					5.09
48.000	0.00	1.28	3.474	O					5.78	53.083	0.00	1.20	2.955	O					5.08
48.083	0.00	1.27	3.466	O					5.77	53.167	0.00	1.20	2.946	O					5.07
48.167	0.00	1.27	3.457	O					5.76	53.250	0.00	1.20	2.938	O					5.06
48.250	0.00	1.27	3.448	O					5.75	53.333	0.00	1.20	2.930	O					5.05
48.333	0.00	1.27	3.439	O					5.74	53.417	0.00	1.19	2.922	O					5.04
48.417	0.00	1.27	3.431	O					5.72	53.500	0.00	1.19	2.913	O					5.03
48.500	0.00	1.27	3.422	O					5.71	53.583	0.00	1.19	2.905	O					5.02
48.583	0.00	1.27	3.413	O					5.70	53.667	0.00	1.19	2.897	O					5.00
48.667	0.00	1.27	3.404	O					5.69	53.750	0.00	1.19	2.889	O					4.99
48.750	0.00	1.26	3.396	O					5.68	53.833	0.00	1.19	2.881	O					4.98
48.833	0.00	1.26	3.387	O					5.67	53.917	0.00	1.19	2.872	O					4.97
48.917	0.00	1.26	3.378	O					5.65	54.000	0.00	1.18	2.864	O					4.95

54.083	0.00	1.18	2.856	O					4.94	59.167	0.00	1.08	2.381	O					4.22
54.167	0.00	1.18	2.848	O					4.93	59.250	0.00	1.08	2.374	O					4.21
54.250	0.00	1.18	2.840	O					4.92	59.333	0.00	1.08	2.366	O					4.20
54.333	0.00	1.18	2.832	O					4.91	59.417	0.00	1.08	2.359	O					4.19
54.417	0.00	1.18	2.824	O					4.89	59.500	0.00	1.07	2.351	O					4.18
54.500	0.00	1.17	2.816	O					4.88	59.583	0.00	1.07	2.344	O					4.16
54.583	0.00	1.17	2.808	O					4.87	59.667	0.00	1.07	2.337	O					4.15
54.667	0.00	1.17	2.799	O					4.86	59.750	0.00	1.07	2.329	O					4.14
54.750	0.00	1.17	2.791	O					4.84	59.833	0.00	1.07	2.322	O					4.13
54.833	0.00	1.17	2.783	O					4.83	59.917	0.00	1.07	2.315	O					4.12
54.917	0.00	1.16	2.775	O					4.82	60.000	0.00	1.07	2.307	O					4.11
55.000	0.00	1.16	2.767	O					4.81	60.083	0.00	1.06	2.300	O					4.10
55.083	0.00	1.16	2.759	O					4.80	60.167	0.00	1.06	2.293	O					4.09
55.167	0.00	1.16	2.751	O					4.78	60.250	0.00	1.06	2.285	O					4.07
55.250	0.00	1.16	2.743	O					4.77	60.333	0.00	1.06	2.278	O					4.06
55.333	0.00	1.16	2.735	O					4.76	60.417	0.00	1.06	2.271	O					4.05
55.417	0.00	1.15	2.727	O					4.75	60.500	0.00	1.06	2.263	O					4.04
55.500	0.00	1.15	2.719	O					4.73	60.583	0.00	1.05	2.256	O					4.03
55.583	0.00	1.15	2.712	O					4.72	60.667	0.00	1.05	2.249	O					4.02
55.667	0.00	1.15	2.704	O					4.71	60.750	0.00	1.05	2.242	O					4.01
55.750	0.00	1.15	2.696	O					4.70	60.833	0.00	1.05	2.234	O					4.00
55.833	0.00	1.15	2.688	O					4.69	60.917	0.00	1.05	2.227	O					3.99
55.917	0.00	1.14	2.680	O					4.67	61.000	0.00	1.05	2.220	O					3.98
56.000	0.00	1.14	2.672	O					4.66	61.083	0.00	1.05	2.213	O					3.96
56.083	0.00	1.14	2.664	O					4.65	61.167	0.00	1.04	2.206	O					3.95
56.167	0.00	1.14	2.656	O					4.64	61.250	0.00	1.04	2.198	O					3.94
56.250	0.00	1.14	2.649	O					4.63	61.333	0.00	1.04	2.191	O					3.93
56.333	0.00	1.14	2.641	O					4.62	61.417	0.00	1.04	2.184	O					3.92
56.417	0.00	1.13	2.633	O					4.60	61.500	0.00	1.04	2.177	O					3.91
56.500	0.00	1.13	2.625	O					4.59	61.583	0.00	1.04	2.170	O					3.90
56.583	0.00	1.13	2.617	O					4.58	61.667	0.00	1.03	2.163	O					3.89
56.667	0.00	1.13	2.609	O					4.57	61.750	0.00	1.03	2.156	O					3.88
56.750	0.00	1.13	2.602	O					4.56	61.833	0.00	1.03	2.148	O					3.87
56.833	0.00	1.13	2.594	O					4.54	61.917	0.00	1.03	2.141	O					3.86
56.917	0.00	1.12	2.586	O					4.53	62.000	0.00	1.03	2.134	O					3.85
57.000	0.00	1.12	2.578	O					4.52	62.083	0.00	1.03	2.127	O					3.83
57.083	0.00	1.12	2.571	O					4.51	62.167	0.00	1.03	2.120	O					3.82
57.167	0.00	1.12	2.563	O					4.50	62.250	0.00	1.02	2.113	O					3.81
57.250	0.00	1.12	2.555	O					4.49	62.333	0.00	1.02	2.106	O					3.80
57.333	0.00	1.12	2.548	O					4.47	62.417	0.00	1.02	2.099	O					3.79
57.417	0.00	1.11	2.540	O					4.46	62.500	0.00	1.02	2.092	O					3.78
57.500	0.00	1.11	2.532	O					4.45	62.583	0.00	1.02	2.085	O					3.77
57.583	0.00	1.11	2.525	O					4.44	62.667	0.00	1.02	2.078	O					3.76
57.667	0.00	1.11	2.517	O					4.43	62.750	0.00	1.01	2.071	O					3.75
57.750	0.00	1.11	2.509	O					4.42	62.833	0.00	1.01	2.064	O					3.74
57.833	0.00	1.11	2.502	O					4.40	62.917	0.00	1.01	2.057	O					3.73
57.917	0.00	1.10	2.494	O					4.39	63.000	0.00	1.01	2.050	O					3.72
58.000	0.00	1.10	2.486	O					4.38	63.083	0.00	1.01	2.043	O					3.71
58.083	0.00	1.10	2.479	O					4.37	63.167	0.00	1.01	2.036	O					3.70
58.167	0.00	1.10	2.471	O					4.36	63.250	0.00	1.01	2.029	O					3.69
58.250	0.00	1.10	2.464	O					4.35	63.333	0.00	1.00	2.022	O					3.68
58.333	0.00	1.10	2.456	O					4.33	63.417	0.00	1.00	2.015	O					3.66
58.417	0.00	1.10	2.449	O					4.32	63.500	0.00	1.00	2.008	O					3.65
58.500	0.00	1.09	2.441	O					4.31	63.583	0.00	1.00	2.002	O					3.64
58.583	0.00	1.09	2.434	O					4.30	63.667	0.00	1.00	1.995	O					3.63
58.667	0.00	1.09	2.426	O					4.29	63.750	0.00	1.00	1.988	O					3.62
58.750	0.00	1.09	2.419	O					4.28	63.833	0.00	1.00	1.981	O					3.61
58.833	0.00	1.09	2.411	O					4.27	63.917	0.00	0.99	1.974	O					3.60
58.917	0.00	1.09	2.404	O					4.25	64.000	0.00	0.99	1.967	O					3.59
59.000	0.00	1.08	2.396	O					4.24	64.083	0.00	0.99	1.960	O					3.58
59.083	0.00	1.08	2.389	O					4.23	64.167	0.00	0.99	1.954	O					3.57

64.250	0.00	0.99	1.947	O					3.56	69.333	0.00	0.90	1.550	O					2.95
64.333	0.00	0.99	1.940	O					3.55	69.417	0.00	0.90	1.543	O					2.94
64.417	0.00	0.99	1.933	O					3.54	69.500	0.00	0.89	1.537	O					2.93
64.500	0.00	0.98	1.926	O					3.53	69.583	0.00	0.89	1.531	O					2.91
64.583	0.00	0.98	1.920	O					3.52	69.667	0.00	0.89	1.525	O					2.90
64.667	0.00	0.98	1.913	O					3.51	69.750	0.00	0.89	1.519	O					2.89
64.750	0.00	0.98	1.906	O					3.50	69.833	0.00	0.89	1.513	O					2.88
64.833	0.00	0.98	1.899	O					3.49	69.917	0.00	0.88	1.507	O					2.87
64.917	0.00	0.98	1.893	O					3.48	70.000	0.00	0.88	1.501	O					2.86
65.000	0.00	0.98	1.886	O					3.47	70.083	0.00	0.88	1.494	O					2.85
65.083	0.00	0.97	1.879	O					3.46	70.167	0.00	0.88	1.488	O					2.84
65.167	0.00	0.97	1.872	O					3.45	70.250	0.00	0.87	1.482	O					2.83
65.250	0.00	0.97	1.866	O					3.44	70.333	0.00	0.87	1.476	O					2.82
65.333	0.00	0.97	1.859	O					3.43	70.417	0.00	0.87	1.470	O					2.80
65.417	0.00	0.97	1.852	O					3.42	70.500	0.00	0.87	1.464	O					2.79
65.500	0.00	0.97	1.846	O					3.41	70.583	0.00	0.87	1.458	O					2.78
65.583	0.00	0.97	1.839	O					3.40	70.667	0.00	0.86	1.452	O					2.77
65.667	0.00	0.96	1.832	O					3.39	70.750	0.00	0.86	1.447	O					2.76
65.750	0.00	0.96	1.826	O					3.38	70.833	0.00	0.86	1.441	O					2.75
65.833	0.00	0.96	1.819	O					3.37	70.917	0.00	0.86	1.435	O					2.74
65.917	0.00	0.96	1.813	O					3.36	71.000	0.00	0.85	1.429	O					2.73
66.000	0.00	0.96	1.806	O					3.35	71.083	0.00	0.85	1.423	O					2.72
66.083	0.00	0.96	1.799	O					3.34	71.167	0.00	0.85	1.417	O					2.71
66.167	0.00	0.96	1.793	O					3.33	71.250	0.00	0.85	1.411	O					2.70
66.250	0.00	0.95	1.786	O					3.32	71.333	0.00	0.85	1.405	O					2.69
66.333	0.00	0.95	1.780	O					3.31	71.417	0.00	0.84	1.400	O					2.68
66.417	0.00	0.95	1.773	O					3.30	71.500	0.00	0.84	1.394	O					2.67
66.500	0.00	0.95	1.767	O					3.29	71.583	0.00	0.84	1.388	O					2.66
66.583	0.00	0.95	1.760	O					3.28	71.667	0.00	0.84	1.382	O					2.65
66.667	0.00	0.95	1.753	O					3.27	71.750	0.00	0.84	1.376	O					2.63
66.750	0.00	0.95	1.747	O					3.26	71.833	0.00	0.83	1.371	O					2.62
66.833	0.00	0.94	1.740	O					3.25	71.917	0.00	0.83	1.365	O					2.61
66.917	0.00	0.94	1.734	O					3.24	72.000	0.00	0.83	1.359	O					2.60
67.000	0.00	0.94	1.727	O					3.23	72.083	0.00	0.83	1.354	O					2.59
67.083	0.00	0.94	1.721	O					3.22	72.167	0.00	0.82	1.348	O					2.58
67.167	0.00	0.94	1.715	O					3.21	72.250	0.00	0.82	1.342	O					2.57
67.250	0.00	0.94	1.708	O					3.20	72.333	0.00	0.82	1.337	O					2.56
67.333	0.00	0.94	1.702	O					3.19	72.417	0.00	0.82	1.331	O					2.55
67.417	0.00	0.93	1.695	O					3.18	72.500	0.00	0.82	1.325	O					2.54
67.500	0.00	0.93	1.689	O					3.17	72.583	0.00	0.81	1.320	O					2.53
67.583	0.00	0.93	1.682	O					3.16	72.667	0.00	0.81	1.314	O					2.52
67.667	0.00	0.93	1.676	O					3.15	72.750	0.00	0.81	1.309	O					2.51
67.750	0.00	0.93	1.669	O					3.14	72.833	0.00	0.81	1.303	O					2.50
67.833	0.00	0.93	1.663	O					3.13	72.917	0.00	0.81	1.297	O					2.49
67.917	0.00	0.93	1.657	O					3.12	73.000	0.00	0.80	1.292	O					2.48
68.000	0.00	0.93	1.650	O					3.11	73.083	0.00	0.80	1.286	O					2.47
68.083	0.00	0.92	1.644	O					3.10	73.167	0.00	0.80	1.281	O					2.46
68.167	0.00	0.92	1.638	O					3.09	73.250	0.00	0.80	1.275	O					2.45
68.250	0.00	0.92	1.631	O					3.08	73.333	0.00	0.80	1.270	O					2.44
68.333	0.00	0.92	1.625	O					3.07	73.417	0.00	0.79	1.264	O					2.43
68.417	0.00	0.92	1.619	O					3.06	73.500	0.00	0.79	1.259	O					2.42
68.500	0.00	0.92	1.612	O					3.05	73.583	0.00	0.79	1.253	O					2.41
68.583	0.00	0.92	1.606	O					3.04	73.667	0.00	0.79	1.248	O					2.40
68.667	0.00	0.91	1.600	O					3.03	73.750	0.00	0.79	1.243	O					2.39
68.750	0.00	0.91	1.593	O					3.02	73.833	0.00	0.78	1.237	O					2.38
68.833	0.00	0.91	1.587	O					3.01	73.917	0.00	0.78	1.232	O					2.37
68.917	0.00	0.91	1.581	O					3.00	74.000	0.00	0.78	1.226	O					2.36
69.000	0.00	0.91	1.575	O					2.99	74.083	0.00	0.78	1.221	O					2.35
69.083	0.00	0.91	1.568	O					2.98	74.167	0.00	0.78	1.216	O					2.34
69.167	0.00	0.90	1.562	O					2.97	74.250	0.00	0.77	1.210	O					2.33
69.250	0.00	0.90	1.556	O					2.96	74.333	0.00	0.77	1.205	O					2.32

74.417	0.00	0.77	1.200	O					2.31	79.500	0.00	0.66	0.901	O					1.77
74.500	0.00	0.77	1.194	O					2.30	79.583	0.00	0.66	0.896	O					1.76
74.583	0.00	0.77	1.189	O					2.30	79.667	0.00	0.65	0.891	O					1.76
74.667	0.00	0.76	1.184	O					2.29	79.750	0.00	0.65	0.887	O					1.75
74.750	0.00	0.76	1.179	O					2.28	79.833	0.00	0.65	0.882	O					1.74
74.833	0.00	0.76	1.173	O					2.27	79.917	0.00	0.65	0.878	O					1.73
74.917	0.00	0.76	1.168	O					2.26	80.000	0.00	0.65	0.874	O					1.72
75.000	0.00	0.76	1.163	O					2.25	80.083	0.00	0.65	0.869	O					1.71
75.083	0.00	0.75	1.158	O					2.24	80.167	0.00	0.64	0.865	O					1.71
75.167	0.00	0.75	1.153	O					2.23	80.250	0.00	0.64	0.860	O					1.70
75.250	0.00	0.75	1.147	O					2.22	80.333	0.00	0.64	0.856	O					1.69
75.333	0.00	0.75	1.142	O					2.21	80.417	0.00	0.64	0.851	O					1.68
75.417	0.00	0.75	1.137	O					2.20	80.500	0.00	0.64	0.847	O					1.67
75.500	0.00	0.74	1.132	O					2.19	80.583	0.00	0.64	0.843	O					1.67
75.583	0.00	0.74	1.127	O					2.18	80.667	0.00	0.63	0.838	O					1.66
75.667	0.00	0.74	1.122	O					2.17	80.750	0.00	0.63	0.834	O					1.65
75.750	0.00	0.74	1.117	O					2.16	80.833	0.00	0.63	0.829	O					1.64
75.833	0.00	0.74	1.112	O					2.15	80.917	0.00	0.63	0.825	O					1.63
75.917	0.00	0.73	1.107	O					2.15	81.000	0.00	0.63	0.821	O					1.63
76.000	0.00	0.73	1.101	O					2.14	81.083	0.00	0.63	0.816	O					1.62
76.083	0.00	0.73	1.096	O					2.13	81.167	0.00	0.63	0.812	O					1.61
76.167	0.00	0.73	1.091	O					2.12	81.250	0.00	0.62	0.808	O					1.60
76.250	0.00	0.73	1.086	O					2.11	81.333	0.00	0.62	0.804	O					1.60
76.333	0.00	0.73	1.081	O					2.10	81.417	0.00	0.62	0.799	O					1.59
76.417	0.00	0.72	1.076	O					2.09	81.500	0.00	0.62	0.795	O					1.58
76.500	0.00	0.72	1.071	O					2.08	81.583	0.00	0.62	0.791	O					1.57
76.583	0.00	0.72	1.066	O					2.07	81.667	0.00	0.62	0.786	O					1.56
76.667	0.00	0.72	1.062	O					2.06	81.750	0.00	0.61	0.782	O					1.56
76.750	0.00	0.72	1.057	O					2.05	81.833	0.00	0.61	0.778	O					1.55
76.833	0.00	0.71	1.052	O					2.05	81.917	0.00	0.61	0.774	O					1.54
76.917	0.00	0.71	1.047	O					2.04	82.000	0.00	0.61	0.770	O					1.53
77.000	0.00	0.71	1.042	O					2.03	82.083	0.00	0.61	0.765	O					1.53
77.083	0.00	0.71	1.037	O					2.02	82.167	0.00	0.61	0.761	O					1.52
77.167	0.00	0.71	1.032	O					2.01	82.250	0.00	0.60	0.757	O					1.51
77.250	0.00	0.71	1.027	O					2.00	82.333	0.00	0.60	0.753	O					1.50
77.333	0.00	0.70	1.022	O					1.99	82.417	0.00	0.60	0.749	O					1.50
77.417	0.00	0.70	1.018	O					1.98	82.500	0.00	0.60	0.745	O					1.49
77.500	0.00	0.70	1.013	O					1.97	82.583	0.00	0.60	0.740	O					1.48
77.583	0.00	0.70	1.008	O					1.97	82.667	0.00	0.60	0.736	O					1.47
77.667	0.00	0.70	1.003	O					1.96	82.750	0.00	0.60	0.732	O					1.47
77.750	0.00	0.69	0.998	O					1.95	82.833	0.00	0.59	0.728	O					1.46
77.833	0.00	0.69	0.994	O					1.94	82.917	0.00	0.59	0.724	O					1.45
77.917	0.00	0.69	0.989	O					1.93	83.000	0.00	0.59	0.720	O					1.44
78.000	0.00	0.69	0.984	O					1.92	83.083	0.00	0.59	0.716	O					1.44
78.083	0.00	0.69	0.979	O					1.91	83.167	0.00	0.59	0.712	O					1.43
78.167	0.00	0.69	0.975	O					1.91	83.250	0.00	0.59	0.708	O					1.42
78.250	0.00	0.68	0.970	O					1.90	83.333	0.00	0.59	0.704	O					1.41
78.333	0.00	0.68	0.965	O					1.89	83.417	0.00	0.58	0.700	O					1.41
78.417	0.00	0.68	0.960	O					1.88	83.500	0.00	0.58	0.696	O					1.40
78.500	0.00	0.68	0.956	O					1.87	83.583	0.00	0.58	0.692	O					1.39
78.583	0.00	0.68	0.951	O					1.86	83.667	0.00	0.58	0.688	O					1.39
78.667	0.00	0.68	0.946	O					1.85	83.750	0.00	0.58	0.684	O					1.38
78.750	0.00	0.67	0.942	O					1.85	83.833	0.00	0.58	0.680	O					1.37
78.833	0.00	0.67	0.937	O					1.84	83.917	0.00	0.57	0.676	O					1.36
78.917	0.00	0.67	0.933	O					1.83	84.000	0.00	0.57	0.672	O					1.36
79.000	0.00	0.67	0.928	O					1.82	84.083	0.00	0.57	0.668	O					1.35
79.083	0.00	0.67	0.923	O					1.81	84.167	0.00	0.57	0.664	O					1.34
79.167	0.00	0.66	0.919	O					1.80	84.250	0.00	0.57	0.660	O					1.34
79.250	0.00	0.66	0.914	O					1.80	84.333	0.00	0.57	0.656	O					1.33
79.333	0.00	0.66	0.910	O					1.79	84.417	0.00	0.57	0.652	O					1.32
79.417	0.00	0.66	0.905	O					1.78	84.500	0.00	0.56	0.648	O					1.31

84.583	0.00	0.56	0.645	O					1.31	89.667	0.00	0.45	0.427	O					0.90
84.667	0.00	0.56	0.641	O					1.30	89.750	0.00	0.45	0.424	O					0.89
84.750	0.00	0.56	0.637	O					1.29	89.833	0.00	0.44	0.421	O					0.89
84.833	0.00	0.56	0.633	O					1.29	89.917	0.00	0.44	0.418	O					0.88
84.917	0.00	0.56	0.629	O					1.28	90.000	0.00	0.44	0.415	O					0.87
85.000	0.00	0.56	0.625	O					1.27	90.083	0.00	0.43	0.412	O					0.87
85.083	0.00	0.55	0.621	O					1.27	90.167	0.00	0.43	0.409	O					0.86
85.167	0.00	0.55	0.618	O					1.26	90.250	0.00	0.43	0.406	O					0.85
85.250	0.00	0.55	0.614	O					1.25	90.333	0.00	0.42	0.403	O					0.85
85.333	0.00	0.55	0.610	O					1.24	90.417	0.00	0.42	0.400	O					0.84
85.417	0.00	0.55	0.606	O					1.24	90.500	0.00	0.42	0.397	O					0.84
85.500	0.00	0.55	0.602	O					1.23	90.583	0.00	0.42	0.394	O					0.83
85.583	0.00	0.55	0.599	O					1.22	90.667	0.00	0.41	0.392	O					0.82
85.667	0.00	0.54	0.595	O					1.22	90.750	0.00	0.41	0.389	O					0.82
85.750	0.00	0.54	0.591	O					1.21	90.833	0.00	0.41	0.386	O					0.81
85.833	0.00	0.54	0.587	O					1.20	90.917	0.00	0.40	0.383	O					0.81
85.917	0.00	0.54	0.584	O					1.20	91.000	0.00	0.40	0.380	O					0.80
86.000	0.00	0.54	0.580	O					1.19	91.083	0.00	0.40	0.378	O					0.80
86.083	0.00	0.54	0.576	O					1.18	91.167	0.00	0.39	0.375	O					0.79
86.167	0.00	0.54	0.573	O					1.18	91.250	0.00	0.39	0.372	O					0.78
86.250	0.00	0.53	0.569	O					1.17	91.333	0.00	0.39	0.370	O					0.78
86.333	0.00	0.53	0.565	O					1.16	91.417	0.00	0.39	0.367	O					0.77
86.417	0.00	0.53	0.562	O					1.16	91.500	0.00	0.38	0.364	O					0.77
86.500	0.00	0.53	0.558	O					1.15	91.583	0.00	0.38	0.362	O					0.76
86.583	0.00	0.53	0.554	O					1.14	91.667	0.00	0.38	0.359	O					0.76
86.667	0.00	0.53	0.551	O					1.14	91.750	0.00	0.38	0.356	O					0.75
86.750	0.00	0.53	0.547	O					1.13	91.833	0.00	0.37	0.354	O					0.74
86.833	0.00	0.53	0.543	O					1.12	91.917	0.00	0.37	0.351	O					0.74
86.917	0.00	0.52	0.540	O					1.12	92.000	0.00	0.37	0.349	O					0.73
87.000	0.00	0.52	0.536	O					1.11	92.083	0.00	0.36	0.346	O					0.73
87.083	0.00	0.52	0.533	O					1.10	92.167	0.00	0.36	0.344	O					0.72
87.167	0.00	0.52	0.529	O					1.10	92.250	0.00	0.36	0.341	O					0.72
87.250	0.00	0.52	0.525	O					1.09	92.333	0.00	0.36	0.339	O					0.71
87.333	0.00	0.52	0.522	O					1.08	92.417	0.00	0.35	0.336	O					0.71
87.417	0.00	0.52	0.518	O					1.08	92.500	0.00	0.35	0.334	O					0.70
87.500	0.00	0.51	0.515	O					1.07	92.583	0.00	0.35	0.331	O					0.70
87.583	0.00	0.51	0.511	O					1.07	92.667	0.00	0.35	0.329	O					0.69
87.667	0.00	0.51	0.508	O					1.06	92.750	0.00	0.34	0.327	O					0.69
87.750	0.00	0.51	0.504	O					1.05	92.833	0.00	0.34	0.324	O					0.68
87.833	0.00	0.51	0.501	O					1.05	92.917	0.00	0.34	0.322	O					0.68
87.917	0.00	0.51	0.497	O					1.04	93.000	0.00	0.34	0.320	O					0.67
88.000	0.00	0.51	0.494	O					1.03	93.083	0.00	0.33	0.317	O					0.67
88.083	0.00	0.51	0.490	O					1.03	93.167	0.00	0.33	0.315	O					0.66
88.167	0.00	0.50	0.487	O					1.02	93.250	0.00	0.33	0.313	O					0.66
88.250	0.00	0.50	0.483	O					1.01	93.333	0.00	0.33	0.311	O					0.65
88.333	0.00	0.50	0.480	O					1.01	93.417	0.00	0.32	0.308	O					0.65
88.417	0.00	0.50	0.476	O					1.00	93.500	0.00	0.32	0.306	O					0.64
88.500	0.00	0.50	0.473	O					1.00	93.583	0.00	0.32	0.304	O					0.64
88.583	0.00	0.49	0.469	O					0.99	93.667	0.00	0.32	0.302	O					0.64
88.667	0.00	0.49	0.466	O					0.98	93.750	0.00	0.32	0.299	O					0.63
88.750	0.00	0.49	0.463	O					0.97	93.833	0.00	0.31	0.297	O					0.63
88.833	0.00	0.48	0.459	O					0.97	93.917	0.00	0.31	0.295	O					0.62
88.917	0.00	0.48	0.456	O					0.96	94.000	0.00	0.31	0.293	O					0.62
89.000	0.00	0.48	0.453	O					0.95	94.083	0.00	0.31	0.291	O					0.61
89.083	0.00	0.47	0.449	O					0.95	94.167	0.00	0.30	0.289	O					0.61
89.167	0.00	0.47	0.446	O					0.94	94.250	0.00	0.30	0.287	O					0.60
89.250	0.00	0.47	0.443	O					0.93	94.333	0.00	0.30	0.285	O					0.60
89.333	0.00	0.46	0.440	O					0.93	94.417	0.00	0.30	0.283	O					0.59
89.417	0.00	0.46	0.437	O					0.92	94.500	0.00	0.30	0.281	O					0.59
89.500	0.00	0.46	0.433	O					0.91	94.583	0.00	0.29	0.279	O					0.59
89.583	0.00	0.45	0.430	O					0.91	94.667	0.00	0.29	0.277	O					0.58

94.750	0.00	0.29	0.275	O					0.58	99.833	0.00	0.19	0.176	O					0.37
94.833	0.00	0.29	0.273	O					0.57	99.917	0.00	0.18	0.175	O					0.37
94.917	0.00	0.28	0.271	O					0.57	100.000	0.00	0.18	0.174	O					0.37
95.000	0.00	0.28	0.269	O					0.57	100.083	0.00	0.18	0.173	O					0.36
95.083	0.00	0.28	0.267	O					0.56	100.167	0.00	0.18	0.171	O					0.36
95.167	0.00	0.28	0.265	O					0.56	100.250	0.00	0.18	0.170	O					0.36
95.250	0.00	0.28	0.263	O					0.55	100.333	0.00	0.18	0.169	O					0.36
95.333	0.00	0.27	0.261	O					0.55	100.417	0.00	0.18	0.168	O					0.35
95.417	0.00	0.27	0.259	O					0.55	100.500	0.00	0.18	0.166	O					0.35
95.500	0.00	0.27	0.257	O					0.54	100.583	0.00	0.17	0.165	O					0.35
95.583	0.00	0.27	0.255	O					0.54	100.667	0.00	0.17	0.164	O					0.35
95.667	0.00	0.27	0.253	O					0.53	100.750	0.00	0.17	0.163	O					0.34
95.750	0.00	0.26	0.252	O					0.53	100.833	0.00	0.17	0.162	O					0.34
95.833	0.00	0.26	0.250	O					0.53	100.917	0.00	0.17	0.161	O					0.34
95.917	0.00	0.26	0.248	O					0.52	101.000	0.00	0.17	0.159	O					0.34
96.000	0.00	0.26	0.246	O					0.52	101.083	0.00	0.17	0.158	O					0.33
96.083	0.00	0.26	0.244	O					0.51	101.167	0.00	0.17	0.157	O					0.33
96.167	0.00	0.26	0.243	O					0.51	101.250	0.00	0.16	0.156	O					0.33
96.250	0.00	0.25	0.241	O					0.51	101.333	0.00	0.16	0.155	O					0.33
96.333	0.00	0.25	0.239	O					0.50	101.417	0.00	0.16	0.154	O					0.32
96.417	0.00	0.25	0.237	O					0.50	101.500	0.00	0.16	0.153	O					0.32
96.500	0.00	0.25	0.236	O					0.50	101.583	0.00	0.16	0.151	O					0.32
96.583	0.00	0.25	0.234	O					0.49	101.667	0.00	0.16	0.150	O					0.32
96.667	0.00	0.24	0.232	O					0.49	101.750	0.00	0.16	0.149	O					0.31
96.750	0.00	0.24	0.231	O					0.49	101.833	0.00	0.16	0.148	O					0.31
96.833	0.00	0.24	0.229	O					0.48	101.917	0.00	0.15	0.147	O					0.31
96.917	0.00	0.24	0.227	O					0.48	102.000	0.00	0.15	0.146	O					0.31
97.000	0.00	0.24	0.226	O					0.48	102.083	0.00	0.15	0.145	O					0.31
97.083	0.00	0.24	0.224	O					0.47	102.167	0.00	0.15	0.144	O					0.30
97.167	0.00	0.23	0.222	O					0.47	102.250	0.00	0.15	0.143	O					0.30
97.250	0.00	0.23	0.221	O					0.46	102.333	0.00	0.15	0.142	O					0.30
97.333	0.00	0.23	0.219	O					0.46	102.417	0.00	0.15	0.141	O					0.30
97.417	0.00	0.23	0.218	O					0.46	102.500	0.00	0.15	0.140	O					0.29
97.500	0.00	0.23	0.216	O					0.45	102.583	0.00	0.15	0.139	O					0.29
97.583	0.00	0.23	0.215	O					0.45	102.667	0.00	0.15	0.138	O					0.29
97.667	0.00	0.22	0.213	O					0.45	102.750	0.00	0.14	0.137	O					0.29
97.750	0.00	0.22	0.211	O					0.45	102.833	0.00	0.14	0.136	O					0.29
97.833	0.00	0.22	0.210	O					0.44	102.917	0.00	0.14	0.135	O					0.28
97.917	0.00	0.22	0.208	O					0.44	103.000	0.00	0.14	0.134	O					0.28
98.000	0.00	0.22	0.207	O					0.44	103.083	0.00	0.14	0.133	O					0.28
98.083	0.00	0.22	0.205	O					0.43	103.167	0.00	0.14	0.132	O					0.28
98.167	0.00	0.21	0.204	O					0.43	103.250	0.00	0.14	0.131	O					0.28
98.250	0.00	0.21	0.202	O					0.43	103.333	0.00	0.14	0.130	O					0.27
98.333	0.00	0.21	0.201	O					0.42	103.417	0.00	0.14	0.129	O					0.27
98.417	0.00	0.21	0.200	O					0.42	103.500	0.00	0.13	0.128	O					0.27
98.500	0.00	0.21	0.198	O					0.42	103.583	0.00	0.13	0.127	O					0.27
98.583	0.00	0.21	0.197	O					0.41	103.667	0.00	0.13	0.126	O					0.27
98.667	0.00	0.21	0.195	O					0.41	103.750	0.00	0.13	0.125	O					0.26
98.750	0.00	0.20	0.194	O					0.41	103.833	0.00	0.13	0.125	O					0.26
98.833	0.00	0.20	0.192	O					0.41	103.917	0.00	0.13	0.124	O					0.26
98.917	0.00	0.20	0.191	O					0.40	104.000	0.00	0.13	0.123	O					0.26
99.000	0.00	0.20	0.190	O					0.40	104.083	0.00	0.13	0.122	O					0.26
99.083	0.00	0.20	0.188	O					0.40	104.167	0.00	0.13	0.121	O					0.25
99.167	0.00	0.20	0.187	O					0.39	104.250	0.00	0.13	0.120	O					0.25
99.250	0.00	0.20	0.186	O					0.39	104.333	0.00	0.13	0.119	O					0.25
99.333	0.00	0.19	0.184	O					0.39	104.417	0.00	0.12	0.118	O					0.25
99.417	0.00	0.19	0.183	O					0.39	104.500	0.00	0.12	0.118	O					0.25
99.500	0.00	0.19	0.182	O					0.38	104.583	0.00	0.12	0.117	O					0.25
99.583	0.00	0.19	0.180	O					0.38	104.667	0.00	0.12	0.116	O					0.24
99.667	0.00	0.19	0.179	O					0.38	104.750	0.00	0.12	0.115	O					0.24
99.750	0.00	0.19	0.178	O					0.37	104.833	0.00	0.12	0.114	O					0.24

104.917	0.00	0.12	0.113	O					0.24	110.000	0.00	0.08	0.073	O					0.15
105.000	0.00	0.12	0.113	O					0.24	110.083	0.00	0.08	0.072	O					0.15
105.083	0.00	0.12	0.112	O					0.24	110.167	0.00	0.08	0.072	O					0.15
105.167	0.00	0.12	0.111	O					0.23	110.250	0.00	0.08	0.071	O					0.15
105.250	0.00	0.12	0.110	O					0.23	110.333	0.00	0.07	0.071	O					0.15
105.333	0.00	0.12	0.109	O					0.23	110.417	0.00	0.07	0.070	O					0.15
105.417	0.00	0.11	0.109	O					0.23	110.500	0.00	0.07	0.070	O					0.15
105.500	0.00	0.11	0.108	O					0.23	110.583	0.00	0.07	0.069	O					0.15
105.583	0.00	0.11	0.107	O					0.23	110.667	0.00	0.07	0.069	O					0.14
105.667	0.00	0.11	0.106	O					0.22	110.750	0.00	0.07	0.068	O					0.14
105.750	0.00	0.11	0.105	O					0.22	110.833	0.00	0.07	0.068	O					0.14
105.833	0.00	0.11	0.105	O					0.22	110.917	0.00	0.07	0.067	O					0.14
105.917	0.00	0.11	0.104	O					0.22	111.000	0.00	0.07	0.067	O					0.14
106.000	0.00	0.11	0.103	O					0.22	111.083	0.00	0.07	0.066	O					0.14
106.083	0.00	0.11	0.102	O					0.22	111.167	0.00	0.07	0.066	O					0.14
106.167	0.00	0.11	0.102	O					0.21	111.250	0.00	0.07	0.065	O					0.14
106.250	0.00	0.11	0.101	O					0.21	111.333	0.00	0.07	0.065	O					0.14
106.333	0.00	0.11	0.100	O					0.21	111.417	0.00	0.07	0.064	O					0.14
106.417	0.00	0.10	0.099	O					0.21	111.500	0.00	0.07	0.064	O					0.13
106.500	0.00	0.10	0.099	O					0.21	111.583	0.00	0.07	0.063	O					0.13
106.583	0.00	0.10	0.098	O					0.21	111.667	0.00	0.07	0.063	O					0.13
106.667	0.00	0.10	0.097	O					0.20	111.750	0.00	0.07	0.063	O					0.13
106.750	0.00	0.10	0.097	O					0.20	111.833	0.00	0.07	0.062	O					0.13
106.833	0.00	0.10	0.096	O					0.20	111.917	0.00	0.06	0.062	O					0.13
106.917	0.00	0.10	0.095	O					0.20	112.000	0.00	0.06	0.061	O					0.13
107.000	0.00	0.10	0.095	O					0.20	112.083	0.00	0.06	0.061	O					0.13
107.083	0.00	0.10	0.094	O					0.20	112.167	0.00	0.06	0.060	O					0.13
107.167	0.00	0.10	0.093	O					0.20	112.250	0.00	0.06	0.060	O					0.13
107.250	0.00	0.10	0.093	O					0.19	112.333	0.00	0.06	0.059	O					0.13
107.333	0.00	0.10	0.092	O					0.19	112.417	0.00	0.06	0.059	O					0.12
107.417	0.00	0.10	0.091	O					0.19	112.500	0.00	0.06	0.059	O					0.12
107.500	0.00	0.10	0.091	O					0.19	112.583	0.00	0.06	0.058	O					0.12
107.583	0.00	0.09	0.090	O					0.19	112.667	0.00	0.06	0.058	O					0.12
107.667	0.00	0.09	0.089	O					0.19	112.750	0.00	0.06	0.057	O					0.12
107.750	0.00	0.09	0.089	O					0.19	112.833	0.00	0.06	0.057	O					0.12
107.833	0.00	0.09	0.088	O					0.19	112.917	0.00	0.06	0.057	O					0.12
107.917	0.00	0.09	0.087	O					0.18	113.000	0.00	0.06	0.056	O					0.12
108.000	0.00	0.09	0.087	O					0.18	113.083	0.00	0.06	0.056	O					0.12
108.083	0.00	0.09	0.086	O					0.18	113.167	0.00	0.06	0.055	O					0.12
108.167	0.00	0.09	0.085	O					0.18	113.250	0.00	0.06	0.055	O					0.12
108.250	0.00	0.09	0.085	O					0.18	113.333	0.00	0.06	0.055	O					0.11
108.333	0.00	0.09	0.084	O					0.18	113.417	0.00	0.06	0.054	O					0.11
108.417	0.00	0.09	0.084	O					0.18	113.500	0.00	0.06	0.054	O					0.11
108.500	0.00	0.09	0.083	O					0.17	113.583	0.00	0.06	0.053	O					0.11
108.583	0.00	0.09	0.082	O					0.17	113.667	0.00	0.06	0.053	O					0.11
108.667	0.00	0.09	0.082	O					0.17	113.750	0.00	0.06	0.053	O					0.11
108.750	0.00	0.09	0.081	O					0.17	113.833	0.00	0.05	0.052	O					0.11
108.833	0.00	0.08	0.081	O					0.17	113.917	0.00	0.05	0.052	O					0.11
108.917	0.00	0.08	0.080	O					0.17	114.000	0.00	0.05	0.051	O					0.11
109.000	0.00	0.08	0.079	O					0.17	114.083	0.00	0.05	0.051	O					0.11
109.083	0.00	0.08	0.079	O					0.17	114.167	0.00	0.05	0.051	O					0.11
109.167	0.00	0.08	0.078	O					0.16	114.250	0.00	0.05	0.050	O					0.11
109.250	0.00	0.08	0.078	O					0.16	114.333	0.00	0.05	0.050	O					0.11
109.333	0.00	0.08	0.077	O					0.16	114.417	0.00	0.05	0.050	O					0.10
109.417	0.00	0.08	0.077	O					0.16	114.500	0.00	0.05	0.049	O					0.10
109.500	0.00	0.08	0.076	O					0.16	114.583	0.00	0.05	0.049	O					0.10
109.583	0.00	0.08	0.076	O					0.16	114.667	0.00	0.05	0.049	O					0.10
109.667	0.00	0.08	0.075	O					0.16	114.750	0.00	0.05	0.048	O					0.10
109.750	0.00	0.08	0.074	O					0.16	114.833	0.00	0.05	0.048	O					0.10
109.833	0.00	0.08	0.074	O					0.16	114.917	0.00	0.05	0.047	O					0.10
109.917	0.00	0.08	0.073	O					0.15	115.000	0.00	0.05	0.047	O					0.10

115.083	0.00	0.05	0.047	O					0.10	120.167	0.00	0.03	0.030	O					0.06
115.167	0.00	0.05	0.046	O					0.10	120.250	0.00	0.03	0.030	O					0.06
115.250	0.00	0.05	0.046	O					0.10	120.333	0.00	0.03	0.030	O					0.06
115.333	0.00	0.05	0.046	O					0.10	120.417	0.00	0.03	0.029	O					0.06
115.417	0.00	0.05	0.045	O					0.10	120.500	0.00	0.03	0.029	O					0.06
115.500	0.00	0.05	0.045	O					0.10	120.583	0.00	0.03	0.029	O					0.06
115.583	0.00	0.05	0.045	O					0.09	120.667	0.00	0.03	0.029	O					0.06
115.667	0.00	0.05	0.044	O					0.09	120.750	0.00	0.03	0.029	O					0.06
115.750	0.00	0.05	0.044	O					0.09	120.833	0.00	0.03	0.028	O					0.06
115.833	0.00	0.05	0.044	O					0.09	120.917	0.00	0.03	0.028	O					0.06
115.917	0.00	0.05	0.044	O					0.09	121.000	0.00	0.03	0.028	O					0.06
116.000	0.00	0.05	0.043	O					0.09	121.083	0.00	0.03	0.028	O					0.06
116.083	0.00	0.05	0.043	O					0.09	121.167	0.00	0.03	0.028	O					0.06
116.167	0.00	0.04	0.043	O					0.09	121.250	0.00	0.03	0.027	O					0.06
116.250	0.00	0.04	0.042	O					0.09	121.333	0.00	0.03	0.027	O					0.06
116.333	0.00	0.04	0.042	O					0.09	121.417	0.00	0.03	0.027	O					0.06
116.417	0.00	0.04	0.042	O					0.09	121.500	0.00	0.03	0.027	O					0.06
116.500	0.00	0.04	0.041	O					0.09	121.583	0.00	0.03	0.027	O					0.06
116.583	0.00	0.04	0.041	O					0.09	121.667	0.00	0.03	0.026	O					0.06
116.667	0.00	0.04	0.041	O					0.09	121.750	0.00	0.03	0.026	O					0.06
116.750	0.00	0.04	0.040	O					0.09	121.833	0.00	0.03	0.026	O					0.05
116.833	0.00	0.04	0.040	O					0.08	121.917	0.00	0.03	0.026	O					0.05
116.917	0.00	0.04	0.040	O					0.08	122.000	0.00	0.03	0.026	O					0.05
117.000	0.00	0.04	0.040	O					0.08	122.083	0.00	0.03	0.025	O					0.05
117.083	0.00	0.04	0.039	O					0.08	122.167	0.00	0.03	0.025	O					0.05
117.167	0.00	0.04	0.039	O					0.08	122.250	0.00	0.03	0.025	O					0.05
117.250	0.00	0.04	0.039	O					0.08	122.333	0.00	0.03	0.025	O					0.05
117.333	0.00	0.04	0.038	O					0.08	122.417	0.00	0.03	0.025	O					0.05
117.417	0.00	0.04	0.038	O					0.08	122.500	0.00	0.03	0.025	O					0.05
117.500	0.00	0.04	0.038	O					0.08	122.583	0.00	0.03	0.024	O					0.05
117.583	0.00	0.04	0.038	O					0.08	122.667	0.00	0.03	0.024	O					0.05
117.667	0.00	0.04	0.037	O					0.08	122.750	0.00	0.03	0.024	O					0.05
117.750	0.00	0.04	0.037	O					0.08	122.833	0.00	0.03	0.024	O					0.05
117.833	0.00	0.04	0.037	O					0.08	122.917	0.00	0.02	0.024	O					0.05
117.917	0.00	0.04	0.037	O					0.08	123.000	0.00	0.02	0.024	O					0.05
118.000	0.00	0.04	0.036	O					0.08	123.083	0.00	0.02	0.023	O					0.05
118.083	0.00	0.04	0.036	O					0.08	123.167	0.00	0.02	0.023	O					0.05
118.167	0.00	0.04	0.036	O					0.08	123.250	0.00	0.02	0.023	O					0.05
118.250	0.00	0.04	0.036	O					0.07	123.333	0.00	0.02	0.023	O					0.05
118.333	0.00	0.04	0.035	O					0.07	123.417	0.00	0.02	0.023	O					0.05
118.417	0.00	0.04	0.035	O					0.07	123.500	0.00	0.02	0.023	O					0.05
118.500	0.00	0.04	0.035	O					0.07	123.583	0.00	0.02	0.022	O					0.05
118.583	0.00	0.04	0.035	O					0.07	123.667	0.00	0.02	0.022	O					0.05
118.667	0.00	0.04	0.034	O					0.07	123.750	0.00	0.02	0.022	O					0.05
118.750	0.00	0.04	0.034	O					0.07	123.833	0.00	0.02	0.022	O					0.05
118.833	0.00	0.04	0.034	O					0.07	123.917	0.00	0.02	0.022	O					0.05
118.917	0.00	0.04	0.034	O					0.07	124.000	0.00	0.02	0.022	O					0.05
119.000	0.00	0.04	0.033	O					0.07	124.083	0.00	0.02	0.021	O					0.05
119.083	0.00	0.03	0.033	O					0.07	124.167	0.00	0.02	0.021	O					0.04
119.167	0.00	0.03	0.033	O					0.07	124.250	0.00	0.02	0.021	O					0.04
119.250	0.00	0.03	0.033	O					0.07	124.333	0.00	0.02	0.021	O					0.04
119.333	0.00	0.03	0.032	O					0.07	124.417	0.00	0.02	0.021	O					0.04
119.417	0.00	0.03	0.032	O					0.07	124.500	0.00	0.02	0.021	O					0.04
119.500	0.00	0.03	0.032	O					0.07	124.583	0.00	0.02	0.020	O					0.04
119.583	0.00	0.03	0.032	O					0.07	124.667	0.00	0.02	0.020	O					0.04
119.667	0.00	0.03	0.031	O					0.07	124.750	0.00	0.02	0.020	O					0.04
119.750	0.00	0.03	0.031	O					0.07	124.833	0.00	0.02	0.020	O					0.04
119.833	0.00	0.03	0.031	O					0.07	124.917	0.00	0.02	0.020	O					0.04
119.917	0.00	0.03	0.031	O					0.06	125.000	0.00	0.02	0.020	O					0.04
120.000	0.00	0.03	0.031	O					0.06	125.083	0.00	0.02	0.020	O					0.04
120.083	0.00	0.03	0.030	O					0.06	125.167	0.00	0.02	0.019	O					0.04

125.250	0.00	0.02	0.019	O					0.04	130.333	0.00	0.01	0.012	O					0.03
125.333	0.00	0.02	0.019	O					0.04	130.417	0.00	0.01	0.012	O					0.03
125.417	0.00	0.02	0.019	O					0.04	130.500	0.00	0.01	0.012	O					0.03
125.500	0.00	0.02	0.019	O					0.04	130.583	0.00	0.01	0.012	O					0.03
125.583	0.00	0.02	0.019	O					0.04	130.667	0.00	0.01	0.012	O					0.03
125.667	0.00	0.02	0.019	O					0.04	130.750	0.00	0.01	0.012	O					0.03
125.750	0.00	0.02	0.019	O					0.04	130.833	0.00	0.01	0.012	O					0.03
125.833	0.00	0.02	0.018	O					0.04	130.917	0.00	0.01	0.012	O					0.02
125.917	0.00	0.02	0.018	O					0.04	131.000	0.00	0.01	0.012	O					0.02
126.000	0.00	0.02	0.018	O					0.04	131.083	0.00	0.01	0.012	O					0.02
126.083	0.00	0.02	0.018	O					0.04	131.167	0.00	0.01	0.012	O					0.02
126.167	0.00	0.02	0.018	O					0.04	131.250	0.00	0.01	0.011	O					0.02
126.250	0.00	0.02	0.018	O					0.04	131.333	0.00	0.01	0.011	O					0.02
126.333	0.00	0.02	0.018	O					0.04	131.417	0.00	0.01	0.011	O					0.02
126.417	0.00	0.02	0.017	O					0.04	131.500	0.00	0.01	0.011	O					0.02
126.500	0.00	0.02	0.017	O					0.04	131.583	0.00	0.01	0.011	O					0.02
126.583	0.00	0.02	0.017	O					0.04	131.667	0.00	0.01	0.011	O					0.02
126.667	0.00	0.02	0.017	O					0.04	131.750	0.00	0.01	0.011	O					0.02
126.750	0.00	0.02	0.017	O					0.04	131.833	0.00	0.01	0.011	O					0.02
126.833	0.00	0.02	0.017	O					0.04	131.917	0.00	0.01	0.011	O					0.02
126.917	0.00	0.02	0.017	O					0.04	132.000	0.00	0.01	0.011	O					0.02
127.000	0.00	0.02	0.017	O					0.03	132.083	0.00	0.01	0.011	O					0.02
127.083	0.00	0.02	0.016	O					0.03	132.167	0.00	0.01	0.011	O					0.02
127.167	0.00	0.02	0.016	O					0.03	132.250	0.00	0.01	0.011	O					0.02
127.250	0.00	0.02	0.016	O					0.03	132.333	0.00	0.01	0.010	O					0.02
127.333	0.00	0.02	0.016	O					0.03	132.417	0.00	0.01	0.010	O					0.02
127.417	0.00	0.02	0.016	O					0.03	132.500	0.00	0.01	0.010	O					0.02
127.500	0.00	0.02	0.016	O					0.03	132.583	0.00	0.01	0.010	O					0.02
127.583	0.00	0.02	0.016	O					0.03	132.667	0.00	0.01	0.010	O					0.02
127.667	0.00	0.02	0.016	O					0.03	132.750	0.00	0.01	0.010	O					0.02
127.750	0.00	0.02	0.016	O					0.03	132.833	0.00	0.01	0.010	O					0.02
127.833	0.00	0.02	0.015	O					0.03	132.917	0.00	0.01	0.010	O					0.02
127.917	0.00	0.02	0.015	O					0.03	133.000	0.00	0.01	0.010	O					0.02
128.000	0.00	0.02	0.015	O					0.03	133.083	0.00	0.01	0.010	O					0.02
128.083	0.00	0.02	0.015	O					0.03	133.167	0.00	0.01	0.010	O					0.02
128.167	0.00	0.02	0.015	O					0.03	133.250	0.00	0.01	0.010	O					0.02
128.250	0.00	0.02	0.015	O					0.03	133.333	0.00	0.01	0.010	O					0.02
128.333	0.00	0.02	0.015	O					0.03	133.417	0.00	0.01	0.009	O					0.02
128.417	0.00	0.02	0.015	O					0.03	133.500	0.00	0.01	0.009	O					0.02
128.500	0.00	0.02	0.015	O					0.03	133.583	0.00	0.01	0.009	O					0.02
128.583	0.00	0.02	0.014	O					0.03	133.667	0.00	0.01	0.009	O					0.02
128.667	0.00	0.02	0.014	O					0.03	133.750	0.00	0.01	0.009	O					0.02
128.750	0.00	0.02	0.014	O					0.03	133.833	0.00	0.01	0.009	O					0.02
128.833	0.00	0.01	0.014	O					0.03	133.917	0.00	0.01	0.009	O					0.02
128.917	0.00	0.01	0.014	O					0.03	134.000	0.00	0.01	0.009	O					0.02
129.000	0.00	0.01	0.014	O					0.03	134.083	0.00	0.01	0.009	O					0.02
129.083	0.00	0.01	0.014	O					0.03	134.167	0.00	0.01	0.009	O					0.02
129.167	0.00	0.01	0.014	O					0.03	134.250	0.00	0.01	0.009	O					0.02
129.250	0.00	0.01	0.014	O					0.03	134.333	0.00	0.01	0.009	O					0.02
129.333	0.00	0.01	0.014	O					0.03	134.417	0.00	0.01	0.009	O					0.02
129.417	0.00	0.01	0.013	O					0.03	134.500	0.00	0.01	0.009	O					0.02
129.500	0.00	0.01	0.013	O					0.03	134.583	0.00	0.01	0.009	O					0.02
129.583	0.00	0.01	0.013	O					0.03	134.667	0.00	0.01	0.009	O					0.02
129.667	0.00	0.01	0.013	O					0.03	134.750	0.00	0.01	0.008	O					0.02
129.750	0.00	0.01	0.013	O					0.03	134.833	0.00	0.01	0.008	O					0.02
129.833	0.00	0.01	0.013	O					0.03	134.917	0.00	0.01	0.008	O					0.02
129.917	0.00	0.01	0.013	O					0.03	135.000	0.00	0.01	0.008	O					0.02
130.000	0.00	0.01	0.013	O					0.03	135.083	0.00	0.01	0.008	O					0.02
130.083	0.00	0.01	0.013	O					0.03	135.167	0.00	0.01	0.008	O					0.02
130.167	0.00	0.01	0.013	O					0.03	135.250	0.00	0.01	0.008	O					0.02
130.250	0.00	0.01	0.013	O					0.03	135.333	0.00	0.01	0.008	O					0.02

135.417	0.00	0.01	0.008	O					0.02	140.500	0.00	0.01	0.005	O					0.01
135.500	0.00	0.01	0.008	O					0.02	140.583	0.00	0.01	0.005	O					0.01
135.583	0.00	0.01	0.008	O					0.02	140.667	0.00	0.01	0.005	O					0.01
135.667	0.00	0.01	0.008	O					0.02	140.750	0.00	0.01	0.005	O					0.01
135.750	0.00	0.01	0.008	O					0.02	140.833	0.00	0.01	0.005	O					0.01
135.833	0.00	0.01	0.008	O					0.02	140.917	0.00	0.01	0.005	O					0.01
135.917	0.00	0.01	0.008	O					0.02	141.000	0.00	0.01	0.005	O					0.01
136.000	0.00	0.01	0.008	O					0.02	141.083	0.00	0.01	0.005	O					0.01
136.083	0.00	0.01	0.008	O					0.02	141.167	0.00	0.01	0.005	O					0.01
136.167	0.00	0.01	0.007	O					0.02	141.250	0.00	0.01	0.005	O					0.01
136.250	0.00	0.01	0.007	O					0.02	141.333	0.00	0.01	0.005	O					0.01
136.333	0.00	0.01	0.007	O					0.02	141.417	0.00	0.00	0.005	O					0.01
136.417	0.00	0.01	0.007	O					0.02	141.500	0.00	0.00	0.005	O					0.01
136.500	0.00	0.01	0.007	O					0.02	141.583	0.00	0.00	0.005	O					0.01
136.583	0.00	0.01	0.007	O					0.02	141.667	0.00	0.00	0.005	O					0.01
136.667	0.00	0.01	0.007	O					0.02	141.750	0.00	0.00	0.005	O					0.01
136.750	0.00	0.01	0.007	O					0.01	141.833	0.00	0.00	0.005	O					0.01
136.833	0.00	0.01	0.007	O					0.01	141.917	0.00	0.00	0.005	O					0.01
136.917	0.00	0.01	0.007	O					0.01	142.000	0.00	0.00	0.005	O					0.01
137.000	0.00	0.01	0.007	O					0.01	142.083	0.00	0.00	0.004	O					0.01
137.083	0.00	0.01	0.007	O					0.01	142.167	0.00	0.00	0.004	O					0.01
137.167	0.00	0.01	0.007	O					0.01	142.250	0.00	0.00	0.004	O					0.01
137.250	0.00	0.01	0.007	O					0.01	142.333	0.00	0.00	0.004	O					0.01
137.333	0.00	0.01	0.007	O					0.01	142.417	0.00	0.00	0.004	O					0.01
137.417	0.00	0.01	0.007	O					0.01	142.500	0.00	0.00	0.004	O					0.01
137.500	0.00	0.01	0.007	O					0.01	142.583	0.00	0.00	0.004	O					0.01
137.583	0.00	0.01	0.007	O					0.01	142.667	0.00	0.00	0.004	O					0.01
137.667	0.00	0.01	0.007	O					0.01	142.750	0.00	0.00	0.004	O					0.01
137.750	0.00	0.01	0.007	O					0.01	142.833	0.00	0.00	0.004	O					0.01
137.833	0.00	0.01	0.006	O					0.01	142.917	0.00	0.00	0.004	O					0.01
137.917	0.00	0.01	0.006	O					0.01	143.000	0.00	0.00	0.004	O					0.01
138.000	0.00	0.01	0.006	O					0.01	143.083	0.00	0.00	0.004	O					0.01
138.083	0.00	0.01	0.006	O					0.01	143.167	0.00	0.00	0.004	O					0.01
138.167	0.00	0.01	0.006	O					0.01	143.250	0.00	0.00	0.004	O					0.01
138.250	0.00	0.01	0.006	O					0.01	143.333	0.00	0.00	0.004	O					0.01
138.333	0.00	0.01	0.006	O					0.01	143.417	0.00	0.00	0.004	O					0.01
138.417	0.00	0.01	0.006	O					0.01	143.500	0.00	0.00	0.004	O					0.01
138.500	0.00	0.01	0.006	O					0.01	143.583	0.00	0.00	0.004	O					0.01
138.583	0.00	0.01	0.006	O					0.01	143.667	0.00	0.00	0.004	O					0.01
138.667	0.00	0.01	0.006	O					0.01	143.750	0.00	0.00	0.004	O					0.01
138.750	0.00	0.01	0.006	O					0.01	143.833	0.00	0.00	0.004	O					0.01
138.833	0.00	0.01	0.006	O					0.01	143.917	0.00	0.00	0.004	O					0.01
138.917	0.00	0.01	0.006	O					0.01	144.000	0.00	0.00	0.004	O					0.01
139.000	0.00	0.01	0.006	O					0.01	144.083	0.00	0.00	0.004	O					0.01
139.083	0.00	0.01	0.006	O					0.01	144.167	0.00	0.00	0.004	O					0.01
139.167	0.00	0.01	0.006	O					0.01	144.250	0.00	0.00	0.004	O					0.01
139.250	0.00	0.01	0.006	O					0.01	144.333	0.00	0.00	0.004	O					0.01
139.333	0.00	0.01	0.006	O					0.01	144.417	0.00	0.00	0.004	O					0.01
139.417	0.00	0.01	0.006	O					0.01	144.500	0.00	0.00	0.004	O					0.01
139.500	0.00	0.01	0.006	O					0.01	144.583	0.00	0.00	0.004	O					0.01
139.583	0.00	0.01	0.006	O					0.01	144.667	0.00	0.00	0.004	O					0.01
139.667	0.00	0.01	0.006	O					0.01	144.750	0.00	0.00	0.004	O					0.01
139.750	0.00	0.01	0.005	O					0.01	144.833	0.00	0.00	0.004	O					0.01
139.833	0.00	0.01	0.005	O					0.01	144.917	0.00	0.00	0.003	O					0.01
139.917	0.00	0.01	0.005	O					0.01	145.000	0.00	0.00	0.003	O					0.01
140.000	0.00	0.01	0.005	O					0.01	145.083	0.00	0.00	0.003	O					0.01
140.083	0.00	0.01	0.005	O					0.01	145.167	0.00	0.00	0.003	O					0.01
140.167	0.00	0.01	0.005	O					0.01	145.250	0.00	0.00	0.003	O					0.01
140.250	0.00	0.01	0.005	O					0.01	145.333	0.00	0.00	0.003	O					0.01
140.333	0.00	0.01	0.005	O					0.01	145.417	0.00	0.00	0.003	O					0.01
140.417	0.00	0.01	0.005	O					0.01	145.500	0.00	0.00	0.003	O					0.01

145.583	0.00	0.00	0.003	O					0.01	150.667	0.00	0.00	0.002	O					0.00
145.667	0.00	0.00	0.003	O					0.01	150.750	0.00	0.00	0.002	O					0.00
145.750	0.00	0.00	0.003	O					0.01	150.833	0.00	0.00	0.002	O					0.00
145.833	0.00	0.00	0.003	O					0.01	150.917	0.00	0.00	0.002	O					0.00
145.917	0.00	0.00	0.003	O					0.01	151.000	0.00	0.00	0.002	O					0.00
146.000	0.00	0.00	0.003	O					0.01	151.083	0.00	0.00	0.002	O					0.00
146.083	0.00	0.00	0.003	O					0.01	151.167	0.00	0.00	0.002	O					0.00
146.167	0.00	0.00	0.003	O					0.01	151.250	0.00	0.00	0.002	O					0.00
146.250	0.00	0.00	0.003	O					0.01	151.333	0.00	0.00	0.002	O					0.00
146.333	0.00	0.00	0.003	O					0.01	151.417	0.00	0.00	0.002	O					0.00
146.417	0.00	0.00	0.003	O					0.01	151.500	0.00	0.00	0.002	O					0.00
146.500	0.00	0.00	0.003	O					0.01	151.583	0.00	0.00	0.002	O					0.00
146.583	0.00	0.00	0.003	O					0.01	151.667	0.00	0.00	0.002	O					0.00
146.667	0.00	0.00	0.003	O					0.01	151.750	0.00	0.00	0.002	O					0.00
146.750	0.00	0.00	0.003	O					0.01	151.833	0.00	0.00	0.002	O					0.00
146.833	0.00	0.00	0.003	O					0.01	151.917	0.00	0.00	0.002	O					0.00
146.917	0.00	0.00	0.003	O					0.01	152.000	0.00	0.00	0.002	O					0.00
147.000	0.00	0.00	0.003	O					0.01	152.083	0.00	0.00	0.002	O					0.00
147.083	0.00	0.00	0.003	O					0.01	152.167	0.00	0.00	0.002	O					0.00
147.167	0.00	0.00	0.003	O					0.01	152.250	0.00	0.00	0.002	O					0.00
147.250	0.00	0.00	0.003	O					0.01	152.333	0.00	0.00	0.002	O					0.00
147.333	0.00	0.00	0.003	O					0.01	152.417	0.00	0.00	0.002	O					0.00
147.417	0.00	0.00	0.003	O					0.01	152.500	0.00	0.00	0.002	O					0.00
147.500	0.00	0.00	0.003	O					0.01	152.583	0.00	0.00	0.002	O					0.00
147.583	0.00	0.00	0.003	O					0.01	152.667	0.00	0.00	0.002	O					0.00
147.667	0.00	0.00	0.003	O					0.01	152.750	0.00	0.00	0.002	O					0.00
147.750	0.00	0.00	0.003	O					0.01	152.833	0.00	0.00	0.002	O					0.00
147.833	0.00	0.00	0.003	O					0.01	152.917	0.00	0.00	0.002	O					0.00
147.917	0.00	0.00	0.003	O					0.01	153.000	0.00	0.00	0.002	O					0.00
148.000	0.00	0.00	0.003	O					0.01	153.083	0.00	0.00	0.002	O					0.00
148.083	0.00	0.00	0.003	O					0.01	153.167	0.00	0.00	0.002	O					0.00
148.167	0.00	0.00	0.003	O					0.01	153.250	0.00	0.00	0.002	O					0.00
148.250	0.00	0.00	0.003	O					0.01	153.333	0.00	0.00	0.002	O					0.00
148.333	0.00	0.00	0.003	O					0.01	153.417	0.00	0.00	0.002	O					0.00
148.417	0.00	0.00	0.003	O					0.01	153.500	0.00	0.00	0.002	O					0.00
148.500	0.00	0.00	0.003	O					0.01	153.583	0.00	0.00	0.002	O					0.00
148.583	0.00	0.00	0.003	O					0.01	153.667	0.00	0.00	0.002	O					0.00
148.667	0.00	0.00	0.003	O					0.01	153.750	0.00	0.00	0.002	O					0.00
148.750	0.00	0.00	0.003	O					0.01	153.833	0.00	0.00	0.002	O					0.00
148.833	0.00	0.00	0.002	O					0.01	153.917	0.00	0.00	0.002	O					0.00
148.917	0.00	0.00	0.002	O					0.01	154.000	0.00	0.00	0.002	O					0.00
149.000	0.00	0.00	0.002	O					0.01	154.083	0.00	0.00	0.002	O					0.00
149.083	0.00	0.00	0.002	O					0.01	154.167	0.00	0.00	0.002	O					0.00
149.167	0.00	0.00	0.002	O					0.01	154.250	0.00	0.00	0.002	O					0.00
149.250	0.00	0.00	0.002	O					0.01	154.333	0.00	0.00	0.002	O					0.00
149.333	0.00	0.00	0.002	O					0.01	154.417	0.00	0.00	0.002	O					0.00
149.417	0.00	0.00	0.002	O					0.00	154.500	0.00	0.00	0.002	O					0.00
149.500	0.00	0.00	0.002	O					0.00	154.583	0.00	0.00	0.002	O					0.00
149.583	0.00	0.00	0.002	O					0.00	154.667	0.00	0.00	0.001	O					0.00
149.667	0.00	0.00	0.002	O					0.00	154.750	0.00	0.00	0.001	O					0.00
149.750	0.00	0.00	0.002	O					0.00	154.833	0.00	0.00	0.001	O					0.00
149.833	0.00	0.00	0.002	O					0.00	154.917	0.00	0.00	0.001	O					0.00
149.917	0.00	0.00	0.002	O					0.00	155.000	0.00	0.00	0.001	O					0.00
150.000	0.00	0.00	0.002	O					0.00	155.083	0.00	0.00	0.001	O					0.00
150.083	0.00	0.00	0.002	O					0.00	155.167	0.00	0.00	0.001	O					0.00
150.167	0.00	0.00	0.002	O					0.00	155.250	0.00	0.00	0.001	O					0.00
150.250	0.00	0.00	0.002	O					0.00	155.333	0.00	0.00	0.001	O					0.00
150.333	0.00	0.00	0.002	O					0.00	155.417	0.00	0.00	0.001	O					0.00
150.417	0.00	0.00	0.002	O					0.00	155.500	0.00	0.00	0.001	O					0.00
150.500	0.00	0.00	0.002	O					0.00	155.583	0.00	0.00	0.001	O					0.00
150.583	0.00	0.00	0.002	O					0.00	155.667	0.00	0.00	0.001	O					0.00

155.750	0.00	0.00	0.001	O	|	|	|	|	0.00
155.833	0.00	0.00	0.001	O	|	|	|	|	0.00
155.917	0.00	0.00	0.001	O	|	|	|	|	0.00
156.000	0.00	0.00	0.001	O	|	|	|	|	0.00
156.083	0.00	0.00	0.001	O	|	|	|	|	0.00
156.167	0.00	0.00	0.001	O	|	|	|	|	0.00
156.250	0.00	0.00	0.001	O	|	|	|	|	0.00
156.333	0.00	0.00	0.001	O	|	|	|	|	0.00
156.417	0.00	0.00	0.001	O	|	|	|	|	0.00
156.500	0.00	0.00	0.001	O	|	|	|	|	0.00
156.583	0.00	0.00	0.001	O	|	|	|	|	0.00
156.667	0.00	0.00	0.001	O	|	|	|	|	0.00
156.750	0.00	0.00	0.001	O	|	|	|	|	0.00
156.833	0.00	0.00	0.001	O	|	|	|	|	0.00
156.917	0.00	0.00	0.001	O	|	|	|	|	0.00
157.000	0.00	0.00	0.001	O	|	|	|	|	0.00
157.083	0.00	0.00	0.001	O	|	|	|	|	0.00
157.167	0.00	0.00	0.001	O	|	|	|	|	0.00
157.250	0.00	0.00	0.001	O	|	|	|	|	0.00
157.333	0.00	0.00	0.001	O	|	|	|	|	0.00
157.417	0.00	0.00	0.001	O	|	|	|	|	0.00
157.500	0.00	0.00	0.001	O	|	|	|	|	0.00
157.583	0.00	0.00	0.001	O	|	|	|	|	0.00
157.667	0.00	0.00	0.001	O	|	|	|	|	0.00
157.750	0.00	0.00	0.001	O	|	|	|	|	0.00
157.833	0.00	0.00	0.001	O	|	|	|	|	0.00
157.917	0.00	0.00	0.001	O	|	|	|	|	0.00
158.000	0.00	0.00	0.001	O	|	|	|	|	0.00
158.083	0.00	0.00	0.001	O	|	|	|	|	0.00
158.167	0.00	0.00	0.001	O	|	|	|	|	0.00
158.250	0.00	0.00	0.001	O	|	|	|	|	0.00
158.333	0.00	0.00	0.001	O	|	|	|	|	0.00
158.417	0.00	0.00	0.001	O	|	|	|	|	0.00
158.500	0.00	0.00	0.001	O	|	|	|	|	0.00
158.583	0.00	0.00	0.001	O	|	|	|	|	0.00
158.667	0.00	0.00	0.001	O	|	|	|	|	0.00
158.750	0.00	0.00	0.001	O	|	|	|	|	0.00
158.833	0.00	0.00	0.001	O	|	|	|	|	0.00
158.917	0.00	0.00	0.001	O	|	|	|	|	0.00
159.000	0.00	0.00	0.001	O	|	|	|	|	0.00
159.083	0.00	0.00	0.001	O	|	|	|	|	0.00
159.167	0.00	0.00	0.001	O	|	|	|	|	0.00
159.250	0.00	0.00	0.001	O	|	|	|	|	0.00
159.333	0.00	0.00	0.001	O	|	|	|	|	0.00
159.417	0.00	0.00	0.001	O	|	|	|	|	0.00
159.500	0.00	0.00	0.001	O	|	|	|	|	0.00
159.583	0.00	0.00	0.001	O	|	|	|	|	0.00
159.667	0.00	0.00	0.001	O	|	|	|	|	0.00
159.750	0.00	0.00	0.001	O	|	|	|	|	0.00
159.833	0.00	0.00	0.001	O	|	|	|	|	0.00
159.917	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1919
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 34.652 (CFS)
Total volume = 14.800 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 3.200 to Point/Station 3.300
**** STREAM ROUTING SCS CONVEX METHOD ****

HYDROGRAPH STREAM ROUTING DATA:
Length of stream = 1749.00 (Ft.)
Elevation difference = 79.00 (Ft.)
Slope of channel = 0.045169 (Vert/Horiz)
Channel type - Improved Channel

Channel length = 1749.00(Ft.) Elevation difference = 79.00(Ft.)
Channel evaluation using mean flow rate of hydrograph
Channel base width = 125.000(Ft.)
Slope or 'Z' of left channel bank = 2.000
Slope or 'Z' of right channel bank = 2.000
Manning's 'N' = 0.030
Maximum depth of channel = 15.000(Ft.)
Flow(q) thru subarea = 7.921(CFS)
Depth of flow = 0.047(Ft.)
Average velocity = 1.361(Ft/s)
Total flow rate = 7.921(CFS)
Channel flow top width = 125.186(Ft.)
Depth of flow in channel = 0.05(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity = 1.36(Ft/s)
Travel time = 0.00 min.
Individual channel flow = 7.921(CFS)
Total capacity of improved channels = 7.921(CFS)
Critical Depth in Channel = 0.05(Ft.)

Channel evaluation using maximum flow rate of hydrograph
Flow(q) thru subarea = 34.652(CFS)
Depth of flow = 0.113(Ft.)
Average velocity = 2.454(Ft/s)
Total flow rate = 34.652(CFS)
Channel flow top width = 125.451(Ft.)
Depth of flow in channel = 0.11(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity = 2.45(Ft/s)
Travel time = 0.00 min.
Individual channel flow = 34.652(CFS)
Total capacity of improved channels = 34.652(CFS)
Critical Depth in Channel = 0.13(Ft.)

********** SCS CONVEX CHANNEL ROUTING **********
Convex method of stream routing data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
where c* = 1 - (1-c)^e and dt = c(length)/velocity
c(v/v+1.7) = 0.5907 Travel time = 11.88 (min.)
dt*(unit time interval) = 5.00(min.), e= 0.8083
dt(routing time-step) = 7.02 (min.), c* = 0.5143

Output hydrograph delayed by 0 unit time increments

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	8.7	17.3	26.0	34.7
0+ 5	0.0011	0.01	O				
0+10	0.0089	0.04	O				
0+15	0.0330	0.10	O				
0+20	0.0757	0.16	O				
0+25	0.1312	0.23	O				
0+30	0.1940	0.30	O				
0+35	0.2615	0.38	O				
0+40	0.3336	0.46	O				
0+45	0.4057	0.51	O				
0+50	0.4652	0.54	O				
0+55	0.5085	0.57	O				
1+ 0	0.5441	0.60	O				
1+ 5	0.5762	0.63	O				
1+10	0.6076	0.66	O				
1+15	0.6390	0.69	O				
1+20	0.6707	0.72	O				
1+25	0.7025	0.76	O				
1+30	0.7342	0.79	O				
1+35	0.7660	0.82	O				
1+40	0.7977	0.85	O				
1+45	0.8293	0.88	OI				
1+50	0.8607	0.91	OI				
1+55	0.8896	0.93	IO				
2+ 0	0.9129	0.95	IO				
2+ 5	0.9338	0.97	IO				
2+10	0.9539	0.99	IO				
2+15	0.9738	1.01	IO				
2+20	0.9938	1.03	IO				
2+25	1.0143	1.05	IO				
2+30	1.0351	1.07	IO				
2+35	1.0561	1.09	IO				
2+40	1.0771	1.11	IO				
2+45	1.0983	1.13	IO				
2+50	1.1198	1.16	IO				
2+55	1.1424	1.18	IO				
3+ 0	1.1654	1.20	IO				
3+ 5	1.1864	1.22	IO				
3+10	1.2057	1.24	IO				
3+15	1.2243	1.26	IO				
3+20	1.2433	1.28	IO				
3+25	1.2628	1.30	IO				
3+30	1.2828	1.32	IO				
3+35	1.3035	1.34	IO				
3+40	1.3256	1.36	IO				
3+45	1.3494	1.39	IO				
3+50	1.3745	1.42	IO				
3+55	1.3995	1.44	IO				
4+ 0	1.4235	1.46	IO				
4+ 5	1.4475	1.49	IO				
4+10	1.4721	1.51	IO				
4+15	1.4977	1.54	IO				
4+20	1.5247	1.57	IO				
4+25	1.5534	1.60	IO				
4+30	1.5831	1.63	IO				
4+35	1.6125	1.66	IO				
4+40	1.6423	1.69	IO				
4+45	1.6720	1.72	IO				
4+50	1.7007	1.75	OI				
4+55	1.8354	2.49	O I				
5+ 0	2.5982	5.36	O I				
5+ 5	4.4516	8.28	O I				
5+10	6.8990	11.51	O I				
5+15	9.8196	15.22	O I				
5+20	13.2012	19.31	O I				
5+25	17.0383	24.02	O I				
5+30	21.3946	29.19	O I				
5+35	25.8948	32.51	O I				
5+40	29.5800	34.43	O I				
5+45	32.1060	34.65	O I				
5+50	33.3351	34.11	OI				
5+55	33.6131	33.30	O				
6+ 0	33.3120	32.36	IO				
6+ 5	32.6754	31.36	IO				
6+10	31.8414	30.30	I O				
6+15	30.8814	29.16	I O				
6+20	29.7572	27.54	I O				
6+25	28.3874	26.00	I O				
6+30	26.9420	24.54	I O				
6+35	25.5029	23.16	I O				
6+40	24.1080	21.87	I O				
6+45	22.7735	20.64	I O				
6+50	21.5053	19.48	I O				
6+55	20.3116	18.44	I O				
7+ 0	19.2096	17.49	I O				
7+ 5	18.1907	16.58	IO				
7+10	17.2372	15.73	IO				
7+15	16.3393	14.91	IO				
7+20	15.4908	14.14	IO				
7+25	14.6876	13.41	IO				
7+30	13.9268	12.71	I O				
7+35	13.2056	12.06	I O				
7+40	12.5220	11.43	IO				
7+45	11.8738	10.84	IO				
7+50	11.2592	10.28	IO				
7+55	10.6774	9.75	IO				
8+ 0	10.1291	9.26	IO				
8+ 5	9.6118	8.79	IO				
8+10	9.1223	8.34	IO				
8+15	8.6585	7.92	IO				
8+20	8.2186	7.52	IO				
8+25	7.8011	7.14	IO				
8+30	7.4050	6.77	IO				
8+35	7.0290	6.43	IO				
8+40	6.6722	6.10	O				
8+45	6.3334	5.79	IO				
8+50	6.0119	5.50	O				
8+55	5.7066	5.22	O				
9+ 0	5.4169	4.95	IO				
9+ 5	5.1419	4.70	O				
9+10	4.8809	4.46	O				

9+15	4.6331	4.24	IO					14+20	1.7304	1.73	O				
9+20	4.3978	4.02	IO					14+25	1.7295	1.73	O				
9+25	4.1746	3.82	O					14+30	1.7286	1.73	O				
9+30	3.9626	3.62	O					14+35	1.7277	1.73	O				
9+35	3.7615	3.44	IO					14+40	1.7268	1.73	O				
9+40	3.5705	3.27	IO					14+45	1.7258	1.72	O				
9+45	3.3892	3.10	O					14+50	1.7249	1.72	O				
9+50	3.2172	2.94	O					14+55	1.7240	1.72	O				
9+55	3.0538	2.79	O					15+ 0	1.7231	1.72	O				
10+ 0	2.8988	2.65	O					15+ 5	1.7222	1.72	O				
10+ 5	2.7516	2.52	IO					15+10	1.7213	1.72	O				
10+10	2.6119	2.39	IO					15+15	1.7204	1.72	O				
10+15	2.4793	2.27	O					15+20	1.7194	1.72	O				
10+20	2.3534	2.15	O					15+25	1.7185	1.72	O				
10+25	2.2340	2.04	O					15+30	1.7176	1.72	O				
10+30	2.1205	1.94	O					15+35	1.7167	1.72	O				
10+35	2.0129	1.84	O					15+40	1.7158	1.71	O				
10+40	1.9140	1.77	O					15+45	1.7149	1.71	O				
10+45	1.8397	1.77	O					15+50	1.7140	1.71	O				
10+50	1.8031	1.77	O					15+55	1.7131	1.71	O				
10+55	1.7849	1.77	O					16+ 0	1.7122	1.71	O				
11+ 0	1.7755	1.77	O					16+ 5	1.7113	1.71	O				
11+ 5	1.7705	1.77	O					16+10	1.7103	1.71	O				
11+10	1.7676	1.76	O					16+15	1.7094	1.71	O				
11+15	1.7657	1.76	O					16+20	1.7085	1.71	O				
11+20	1.7643	1.76	O					16+25	1.7076	1.71	O				
11+25	1.7631	1.76	O					16+30	1.7067	1.71	O				
11+30	1.7621	1.76	O					16+35	1.7058	1.70	O				
11+35	1.7611	1.76	O					16+40	1.7049	1.70	O				
11+40	1.7601	1.76	O					16+45	1.7040	1.70	O				
11+45	1.7592	1.76	O					16+50	1.7031	1.70	O				
11+50	1.7582	1.76	O					16+55	1.7022	1.70	O				
11+55	1.7573	1.76	O					17+ 0	1.7013	1.70	O				
12+ 0	1.7563	1.75	O					17+ 5	1.7004	1.70	O				
12+ 5	1.7554	1.75	O					17+10	1.6995	1.70	O				
12+10	1.7545	1.75	O					17+15	1.6986	1.70	O				
12+15	1.7535	1.75	O					17+20	1.6977	1.70	O				
12+20	1.7526	1.75	O					17+25	1.6968	1.70	O				
12+25	1.7517	1.75	O					17+30	1.6959	1.69	O				
12+30	1.7508	1.75	O					17+35	1.6950	1.69	O				
12+35	1.7498	1.75	O					17+40	1.6941	1.69	O				
12+40	1.7489	1.75	O					17+45	1.6932	1.69	O				
12+45	1.7480	1.75	O					17+50	1.6923	1.69	O				
12+50	1.7470	1.75	O					17+55	1.6914	1.69	O				
12+55	1.7461	1.74	O					18+ 0	1.6905	1.69	O				
13+ 0	1.7452	1.74	O					18+ 5	1.6894	1.69	O				
13+ 5	1.7443	1.74	O					18+10	1.6884	1.69	O				
13+10	1.7433	1.74	O					18+15	1.6874	1.69	O				
13+15	1.7424	1.74	O					18+20	1.6863	1.68	O				
13+20	1.7415	1.74	O					18+25	1.6852	1.68	O				
13+25	1.7406	1.74	O					18+30	1.6842	1.68	O				
13+30	1.7396	1.74	O					18+35	1.6831	1.68	O				
13+35	1.7387	1.74	O					18+40	1.6820	1.68	O				
13+40	1.7378	1.74	O					18+45	1.6810	1.68	O				
13+45	1.7369	1.74	O					18+50	1.6799	1.68	O				
13+50	1.7360	1.73	O					18+55	1.6788	1.68	O				
13+55	1.7350	1.73	O					19+ 0	1.6778	1.68	O				
14+ 0	1.7341	1.73	IO					19+ 5	1.6767	1.67	O				
14+ 5	1.7332	1.73	IO					19+10	1.6756	1.67	O				
14+10	1.7323	1.73	O					19+15	1.6746	1.67	O				
14+15	1.7314	1.73	O					19+20	1.6735	1.67	O				

19+25	1.6724	1.67	|O	|	|	|	|	24+30	1.6090	1.61	|O	|	|	|	|
19+30	1.6714	1.67	|O	|	|	|	|	24+35	1.6079	1.61	|O	|	|	|	|
19+35	1.6703	1.67	|O	|	|	|	|	24+40	1.6069	1.61	|O	|	|	|	|
19+40	1.6693	1.67	|O	|	|	|	|	24+45	1.6059	1.60	|O	|	|	|	|
19+45	1.6682	1.67	|O	|	|	|	|	24+50	1.6049	1.60	|O	|	|	|	|
19+50	1.6672	1.67	|O	|	|	|	|	24+55	1.6039	1.60	|O	|	|	|	|
19+55	1.6661	1.66	|O	|	|	|	|	25+ 0	1.6028	1.60	|O	|	|	|	|
20+ 0	1.6650	1.66	|O	|	|	|	|	25+ 5	1.6018	1.60	|O	|	|	|	|
20+ 5	1.6640	1.66	|O	|	|	|	|	25+10	1.6008	1.60	|O	|	|	|	|
20+10	1.6629	1.66	|O	|	|	|	|	25+15	1.5997	1.60	|O	|	|	|	|
20+15	1.6619	1.66	|O	|	|	|	|	25+20	1.5985	1.60	|O	|	|	|	|
20+20	1.6608	1.66	|O	|	|	|	|	25+25	1.5974	1.60	|O	|	|	|	|
20+25	1.6598	1.66	|O	|	|	|	|	25+30	1.5962	1.59	|O	|	|	|	|
20+30	1.6587	1.66	|O	|	|	|	|	25+35	1.5950	1.59	|O	|	|	|	|
20+35	1.6577	1.66	|O	|	|	|	|	25+40	1.5939	1.59	|O	|	|	|	|
20+40	1.6566	1.65	|O	|	|	|	|	25+45	1.5927	1.59	|O	|	|	|	|
20+45	1.6556	1.65	|O	|	|	|	|	25+50	1.5915	1.59	|O	|	|	|	|
20+50	1.6545	1.65	|O	|	|	|	|	25+55	1.5903	1.59	|O	|	|	|	|
20+55	1.6535	1.65	|O	|	|	|	|	26+ 0	1.5892	1.59	|O	|	|	|	|
21+ 0	1.6524	1.65	|O	|	|	|	|	26+ 5	1.5880	1.59	|O	|	|	|	|
21+ 5	1.6514	1.65	|O	|	|	|	|	26+10	1.5868	1.58	|O	|	|	|	|
21+10	1.6503	1.65	|O	|	|	|	|	26+15	1.5857	1.58	|O	|	|	|	|
21+15	1.6493	1.65	|O	|	|	|	|	26+20	1.5845	1.58	|O	|	|	|	|
21+20	1.6482	1.65	|O	|	|	|	|	26+25	1.5833	1.58	|O	|	|	|	|
21+25	1.6472	1.65	|O	|	|	|	|	26+30	1.5821	1.58	|O	|	|	|	|
21+30	1.6461	1.64	|O	|	|	|	|	26+35	1.5810	1.58	|O	|	|	|	|
21+35	1.6451	1.64	|O	|	|	|	|	26+40	1.5798	1.58	|O	|	|	|	|
21+40	1.6440	1.64	|O	|	|	|	|	26+45	1.5786	1.58	|O	|	|	|	|
21+45	1.6430	1.64	|O	|	|	|	|	26+50	1.5775	1.58	|O	|	|	|	|
21+50	1.6420	1.64	|O	|	|	|	|	26+55	1.5763	1.57	|O	|	|	|	|
21+55	1.6409	1.64	|O	|	|	|	|	27+ 0	1.5751	1.57	|O	|	|	|	|
22+ 0	1.6399	1.64	|O	|	|	|	|	27+ 5	1.5740	1.57	|O	|	|	|	|
22+ 5	1.6388	1.64	|O	|	|	|	|	27+10	1.5728	1.57	|O	|	|	|	|
22+10	1.6378	1.64	|O	|	|	|	|	27+15	1.5717	1.57	|O	|	|	|	|
22+15	1.6368	1.64	|O	|	|	|	|	27+20	1.5705	1.57	|O	|	|	|	|
22+20	1.6357	1.63	|O	|	|	|	|	27+25	1.5693	1.57	|O	|	|	|	|
22+25	1.6347	1.63	|O	|	|	|	|	27+30	1.5682	1.57	|O	|	|	|	|
22+30	1.6336	1.63	|O	|	|	|	|	27+35	1.5670	1.57	|O	|	|	|	|
22+35	1.6326	1.63	|O	|	|	|	|	27+40	1.5659	1.56	|O	|	|	|	|
22+40	1.6316	1.63	|O	|	|	|	|	27+45	1.5647	1.56	|O	|	|	|	|
22+45	1.6305	1.63	|O	|	|	|	|	27+50	1.5636	1.56	|O	|	|	|	|
22+50	1.6295	1.63	|O	|	|	|	|	27+55	1.5624	1.56	|O	|	|	|	|
22+55	1.6285	1.63	|O	|	|	|	|	28+ 0	1.5613	1.56	|O	|	|	|	|
23+ 0	1.6274	1.63	|O	|	|	|	|	28+ 5	1.5601	1.56	|O	|	|	|	|
23+ 5	1.6264	1.62	|O	|	|	|	|	28+10	1.5589	1.56	|O	|	|	|	|
23+10	1.6254	1.62	|O	|	|	|	|	28+15	1.5578	1.56	|O	|	|	|	|
23+15	1.6243	1.62	|O	|	|	|	|	28+20	1.5566	1.55	|O	|	|	|	|
23+20	1.6233	1.62	|O	|	|	|	|	28+25	1.5555	1.55	|O	|	|	|	|
23+25	1.6223	1.62	|O	|	|	|	|	28+30	1.5544	1.55	|O	|	|	|	|
23+30	1.6213	1.62	|O	|	|	|	|	28+35	1.5532	1.55	|O	|	|	|	|
23+35	1.6202	1.62	|O	|	|	|	|	28+40	1.5521	1.55	|O	|	|	|	|
23+40	1.6192	1.62	|O	|	|	|	|	28+45	1.5509	1.55	|O	|	|	|	|
23+45	1.6182	1.62	|O	|	|	|	|	28+50	1.5498	1.55	|O	|	|	|	|
23+50	1.6171	1.62	|O	|	|	|	|	28+55	1.5486	1.55	|O	|	|	|	|
23+55	1.6161	1.61	|O	|	|	|	|	29+ 0	1.5475	1.55	|O	|	|	|	|
24+ 0	1.6151	1.61	|O	|	|	|	|	29+ 5	1.5463	1.54	|O	|	|	|	|
24+ 5	1.6141	1.61	|O	|	|	|	|	29+10	1.5452	1.54	|O	|	|	|	|
24+10	1.6130	1.61	|O	|	|	|	|	29+15	1.5441	1.54	|O	|	|	|	|
24+15	1.6120	1.61	|O	|	|	|	|	29+20	1.5429	1.54	|O	|	|	|	|
24+20	1.6110	1.61	|O	|	|	|	|	29+25	1.5418	1.54	|O	|	|	|	|
24+25	1.6100	1.61	|O	|	|	|	|	29+30	1.5406	1.54	|O	|	|	|	|

29+35	1.5395	1.54	|O	|	|	|	|	34+40	1.4717	1.47	|O	|	|	|	|
29+40	1.5384	1.54	|O	|	|	|	|	34+45	1.4706	1.47	|O	|	|	|	|
29+45	1.5372	1.54	|O	|	|	|	|	34+50	1.4695	1.47	|O	|	|	|	|
29+50	1.5361	1.53	|O	|	|	|	|	34+55	1.4684	1.47	|O	|	|	|	|
29+55	1.5350	1.53	|O	|	|	|	|	35+ 0	1.4674	1.47	|O	|	|	|	|
30+ 0	1.5338	1.53	|O	|	|	|	|	35+ 5	1.4663	1.46	|O	|	|	|	|
30+ 5	1.5327	1.53	|O	|	|	|	|	35+10	1.4652	1.46	|O	|	|	|	|
30+10	1.5316	1.53	|O	|	|	|	|	35+15	1.4641	1.46	|O	|	|	|	|
30+15	1.5304	1.53	|O	|	|	|	|	35+20	1.4630	1.46	|O	|	|	|	|
30+20	1.5293	1.53	|O	|	|	|	|	35+25	1.4619	1.46	|O	|	|	|	|
30+25	1.5282	1.53	|O	|	|	|	|	35+30	1.4609	1.46	|O	|	|	|	|
30+30	1.5270	1.53	|O	|	|	|	|	35+35	1.4598	1.46	|O	|	|	|	|
30+35	1.5259	1.52	|O	|	|	|	|	35+40	1.4587	1.46	|O	|	|	|	|
30+40	1.5248	1.52	|O	|	|	|	|	35+45	1.4576	1.46	|O	|	|	|	|
30+45	1.5237	1.52	|O	|	|	|	|	35+50	1.4566	1.45	|O	|	|	|	|
30+50	1.5225	1.52	|O	|	|	|	|	35+55	1.4555	1.45	|O	|	|	|	|
30+55	1.5214	1.52	|O	|	|	|	|	36+ 0	1.4544	1.45	|O	|	|	|	|
31+ 0	1.5203	1.52	|O	|	|	|	|	36+ 5	1.4533	1.45	|O	|	|	|	|
31+ 5	1.5192	1.52	|O	|	|	|	|	36+10	1.4523	1.45	|O	|	|	|	|
31+10	1.5181	1.52	|O	|	|	|	|	36+15	1.4512	1.45	|O	|	|	|	|
31+15	1.5169	1.52	|O	|	|	|	|	36+20	1.4501	1.45	|O	|	|	|	|
31+20	1.5158	1.51	|O	|	|	|	|	36+25	1.4490	1.45	|O	|	|	|	|
31+25	1.5147	1.51	|O	|	|	|	|	36+30	1.4480	1.45	|O	|	|	|	|
31+30	1.5136	1.51	|O	|	|	|	|	36+35	1.4469	1.45	|O	|	|	|	|
31+35	1.5125	1.51	|O	|	|	|	|	36+40	1.4458	1.44	|O	|	|	|	|
31+40	1.5113	1.51	|O	|	|	|	|	36+45	1.4448	1.44	|O	|	|	|	|
31+45	1.5102	1.51	|O	|	|	|	|	36+50	1.4437	1.44	|O	|	|	|	|
31+50	1.5091	1.51	|O	|	|	|	|	36+55	1.4426	1.44	|O	|	|	|	|
31+55	1.5080	1.51	|O	|	|	|	|	37+ 0	1.4416	1.44	|O	|	|	|	|
32+ 0	1.5069	1.51	|O	|	|	|	|	37+ 5	1.4405	1.44	|O	|	|	|	|
32+ 5	1.5058	1.50	|O	|	|	|	|	37+10	1.4394	1.44	|O	|	|	|	|
32+10	1.5047	1.50	|O	|	|	|	|	37+15	1.4384	1.44	|O	|	|	|	|
32+15	1.5035	1.50	|O	|	|	|	|	37+20	1.4373	1.44	|O	|	|	|	|
32+20	1.5024	1.50	|O	|	|	|	|	37+25	1.4363	1.43	|O	|	|	|	|
32+25	1.5013	1.50	|O	|	|	|	|	37+30	1.4352	1.43	|O	|	|	|	|
32+30	1.5002	1.50	|O	|	|	|	|	37+35	1.4341	1.43	|O	|	|	|	|
32+35	1.4991	1.50	|O	|	|	|	|	37+40	1.4331	1.43	|O	|	|	|	|
32+40	1.4980	1.50	|O	|	|	|	|	37+45	1.4320	1.43	|O	|	|	|	|
32+45	1.4969	1.50	|O	|	|	|	|	37+50	1.4310	1.43	|O	|	|	|	|
32+50	1.4958	1.49	|O	|	|	|	|	37+55	1.4299	1.43	|O	|	|	|	|
32+55	1.4947	1.49	|O	|	|	|	|	38+ 0	1.4289	1.43	|O	|	|	|	|
33+ 0	1.4936	1.49	|O	|	|	|	|	38+ 5	1.4278	1.43	|O	|	|	|	|
33+ 5	1.4925	1.49	|O	|	|	|	|	38+10	1.4267	1.43	|O	|	|	|	|
33+10	1.4914	1.49	|O	|	|	|	|	38+15	1.4257	1.42	|O	|	|	|	|
33+15	1.4903	1.49	|O	|	|	|	|	38+20	1.4246	1.42	|O	|	|	|	|
33+20	1.4892	1.49	|O	|	|	|	|	38+25	1.4236	1.42	|O	|	|	|	|
33+25	1.4881	1.49	|O	|	|	|	|	38+30	1.4225	1.42	|O	|	|	|	|
33+30	1.4870	1.49	|O	|	|	|	|	38+35	1.4215	1.42	|O	|	|	|	|
33+35	1.4859	1.48	|O	|	|	|	|	38+40	1.4204	1.42	|O	|	|	|	|
33+40	1.4848	1.48	|O	|	|	|	|	38+45	1.4194	1.42	|O	|	|	|	|
33+45	1.4837	1.48	|O	|	|	|	|	38+50	1.4183	1.42	|O	|	|	|	|
33+50	1.4826	1.48	|O	|	|	|	|	38+55	1.4173	1.42	|O	|	|	|	|
33+55	1.4815	1.48	|O	|	|	|	|	39+ 0	1.4163	1.41	|O	|	|	|	|
34+ 0	1.4804	1.48	|O	|	|	|	|	39+ 5	1.4152	1.41	|O	|	|	|	|
34+ 5	1.4793	1.48	|O	|	|	|	|	39+10	1.4142	1.41	|O	|	|	|	|
34+10	1.4782	1.48	|O	|	|	|	|	39+15	1.4131	1.41	|O	|	|	|	|
34+15	1.4771	1.48	|O	|	|	|	|	39+20	1.4121	1.41	|O	|	|	|	|
34+20	1.4760	1.47	|O	|	|	|	|	39+25	1.4110	1.41	|O	|	|	|	|
34+25	1.4750	1.47	|O	|	|	|	|	39+30	1.4098	1.41	|O	|	|	|	|
34+30	1.4739	1.47	|O	|	|	|	|	39+35	1.4086	1.41	|O	|	|	|	|
34+35	1.4728	1.47	|O	|	|	|	|	39+40	1.4073	1.41	|O	|	|	|	|

39+45	1.4060	1.40	O				
39+50	1.4046	1.40	O				
39+55	1.4033	1.40	O				
40+ 0	1.4020	1.40	O				
40+ 5	1.4006	1.40	O				
40+10	1.3993	1.40	O				
40+15	1.3980	1.40	O				
40+20	1.3967	1.39	O				
40+25	1.3953	1.39	O				
40+30	1.3940	1.39	O				
40+35	1.3927	1.39	O				
40+40	1.3914	1.39	O				
40+45	1.3901	1.39	O				
40+50	1.3887	1.39	O				
40+55	1.3874	1.39	O				
41+ 0	1.3861	1.38	O				
41+ 5	1.3848	1.38	O				
41+10	1.3835	1.38	O				
41+15	1.3822	1.38	O				
41+20	1.3808	1.38	O				
41+25	1.3795	1.38	O				
41+30	1.3782	1.38	O				
41+35	1.3769	1.37	O				
41+40	1.3756	1.37	O				
41+45	1.3743	1.37	O				
41+50	1.3730	1.37	O				
41+55	1.3717	1.37	O				
42+ 0	1.3704	1.37	O				
42+ 5	1.3691	1.37	O				
42+10	1.3678	1.37	O				
42+15	1.3665	1.36	O				
42+20	1.3652	1.36	O				
42+25	1.3639	1.36	O				
42+30	1.3626	1.36	O				
42+35	1.3613	1.36	O				
42+40	1.3600	1.36	O				
42+45	1.3587	1.36	O				
42+50	1.3574	1.36	O				
42+55	1.3562	1.35	O				
43+ 0	1.3549	1.35	O				
43+ 5	1.3536	1.35	O				
43+10	1.3523	1.35	O				
43+15	1.3510	1.35	O				
43+20	1.3497	1.35	O				
43+25	1.3485	1.35	O				
43+30	1.3472	1.35	O				
43+35	1.3459	1.34	O				
43+40	1.3446	1.34	O				
43+45	1.3433	1.34	O				
43+50	1.3421	1.34	O				
43+55	1.3408	1.34	O				
44+ 0	1.3395	1.34	O				
44+ 5	1.3383	1.34	O				
44+10	1.3370	1.33	O				
44+15	1.3357	1.33	O				
44+20	1.3344	1.33	O				
44+25	1.3332	1.33	O				
44+30	1.3319	1.33	O				
44+35	1.3307	1.33	O				
44+40	1.3294	1.33	O				
44+45	1.3281	1.33	O				
44+50	1.3269	1.32	O				
44+55	1.3256	1.32	O				
45+ 0	1.3244	1.32	O				
45+ 5	1.3231	1.32	O				
45+10	1.3218	1.32	O				
45+15	1.3206	1.32	O				
45+20	1.3193	1.32	O				
45+25	1.3181	1.32	O				
45+30	1.3168	1.31	O				
45+35	1.3156	1.31	O				
45+40	1.3143	1.31	O				
45+45	1.3131	1.31	O				
45+50	1.3118	1.31	O				
45+55	1.3106	1.31	O				
46+ 0	1.3094	1.31	O				
46+ 5	1.3081	1.31	O				
46+10	1.3069	1.30	O				
46+15	1.3056	1.30	O				
46+20	1.3044	1.30	O				
46+25	1.3032	1.30	O				
46+30	1.3019	1.30	O				
46+35	1.3007	1.30	O				
46+40	1.2994	1.30	O				
46+45	1.2981	1.30	O				
46+50	1.2967	1.29	O				
46+55	1.2954	1.29	O				
47+ 0	1.2941	1.29	O				
47+ 5	1.2928	1.29	O				
47+10	1.2915	1.29	O				
47+15	1.2901	1.29	O				
47+20	1.2888	1.29	O				
47+25	1.2875	1.29	O				
47+30	1.2862	1.28	O				
47+35	1.2849	1.28	O				
47+40	1.2836	1.28	O				
47+45	1.2822	1.28	O				
47+50	1.2809	1.28	O				
47+55	1.2796	1.28	O				
48+ 0	1.2783	1.28	O				
48+ 5	1.2770	1.27	O				
48+10	1.2757	1.27	O				
48+15	1.2744	1.27	O				
48+20	1.2731	1.27	O				
48+25	1.2718	1.27	O				
48+30	1.2705	1.27	O				
48+35	1.2692	1.27	O				
48+40	1.2679	1.27	O				
48+45	1.2666	1.26	O				
48+50	1.2653	1.26	O				
48+55	1.2640	1.26	O				
49+ 0	1.2627	1.26	O				
49+ 5	1.2614	1.26	O				
49+10	1.2602	1.26	O				
49+15	1.2589	1.26	O				
49+20	1.2576	1.26	O				
49+25	1.2563	1.25	O				
49+30	1.2550	1.25	O				
49+35	1.2537	1.25	O				
49+40	1.2524	1.25	O				
49+45	1.2512	1.25	O				
49+50	1.2499	1.25	O				

49+55	1.2486	1.25	|O	|	|	|	|
50+ 0	1.2473	1.25	|O	|	|	|	|
50+ 5	1.2461	1.24	|O	|	|	|	|
50+10	1.2448	1.24	|O	|	|	|	|
50+15	1.2435	1.24	|O	|	|	|	|
50+20	1.2422	1.24	|O	|	|	|	|
50+25	1.2410	1.24	|O	|	|	|	|
50+30	1.2397	1.24	|O	|	|	|	|
50+35	1.2384	1.24	|O	|	|	|	|
50+40	1.2372	1.24	|O	|	|	|	|
50+45	1.2359	1.23	|O	|	|	|	|
50+50	1.2346	1.23	|O	|	|	|	|
50+55	1.2334	1.23	|O	|	|	|	|
51+ 0	1.2321	1.23	|O	|	|	|	|
51+ 5	1.2309	1.23	|O	|	|	|	|
51+10	1.2296	1.23	|O	|	|	|	|
51+15	1.2284	1.23	|O	|	|	|	|
51+20	1.2271	1.23	|O	|	|	|	|
51+25	1.2258	1.22	|O	|	|	|	|
51+30	1.2246	1.22	|O	|	|	|	|
51+35	1.2233	1.22	|O	|	|	|	|
51+40	1.2221	1.22	|O	|	|	|	|
51+45	1.2208	1.22	|O	|	|	|	|
51+50	1.2196	1.22	|O	|	|	|	|
51+55	1.2183	1.22	|O	|	|	|	|
52+ 0	1.2171	1.22	|O	|	|	|	|
52+ 5	1.2159	1.21	|O	|	|	|	|
52+10	1.2146	1.21	|O	|	|	|	|
52+15	1.2134	1.21	|O	|	|	|	|
52+20	1.2121	1.21	|O	|	|	|	|
52+25	1.2109	1.21	|O	|	|	|	|
52+30	1.2097	1.21	|O	|	|	|	|
52+35	1.2084	1.21	|O	|	|	|	|
52+40	1.2072	1.21	|O	|	|	|	|
52+45	1.2060	1.20	|O	|	|	|	|
52+50	1.2047	1.20	|O	|	|	|	|
52+55	1.2035	1.20	|O	|	|	|	|
53+ 0	1.2023	1.20	|O	|	|	|	|
53+ 5	1.2010	1.20	|O	|	|	|	|
53+10	1.1998	1.20	|O	|	|	|	|
53+15	1.1986	1.20	|O	|	|	|	|
53+20	1.1974	1.20	|O	|	|	|	|
53+25	1.1961	1.19	|O	|	|	|	|
53+30	1.1949	1.19	|O	|	|	|	|
53+35	1.1937	1.19	|O	|	|	|	|
53+40	1.1925	1.19	|O	|	|	|	|
53+45	1.1912	1.19	|O	|	|	|	|
53+50	1.1898	1.19	|O	|	|	|	|
53+55	1.1882	1.19	|O	|	|	|	|
54+ 0	1.1865	1.18	|O	|	|	|	|
54+ 5	1.1848	1.18	|O	|	|	|	|
54+10	1.1831	1.18	|O	|	|	|	|
54+15	1.1814	1.18	|O	|	|	|	|
54+20	1.1796	1.18	|O	|	|	|	|
54+25	1.1779	1.18	|O	|	|	|	|
54+30	1.1762	1.17	|O	|	|	|	|
54+35	1.1745	1.17	|O	|	|	|	|
54+40	1.1727	1.17	|O	|	|	|	|
54+45	1.1710	1.17	|O	|	|	|	|
54+50	1.1693	1.17	|O	|	|	|	|
54+55	1.1676	1.16	|O	|	|	|	|
55+ 0	1.1659	1.16	|O	|	|	|	|
55+ 5	1.1642	1.16	|O	|	|	|	|
55+10	1.1625	1.16	|O	|	|	|	|
55+15	1.1608	1.16	|O	|	|	|	|
55+20	1.1591	1.16	|O	|	|	|	|
55+25	1.1574	1.15	|O	|	|	|	|
55+30	1.1557	1.15	|O	|	|	|	|
55+35	1.1540	1.15	|O	|	|	|	|
55+40	1.1523	1.15	|O	|	|	|	|
55+45	1.1506	1.15	|O	|	|	|	|
55+50	1.1489	1.15	|O	|	|	|	|
55+55	1.1472	1.14	|O	|	|	|	|
56+ 0	1.1456	1.14	|O	|	|	|	|
56+ 5	1.1439	1.14	|O	|	|	|	|
56+10	1.1422	1.14	|O	|	|	|	|
56+15	1.1405	1.14	|O	|	|	|	|
56+20	1.1389	1.14	|O	|	|	|	|
56+25	1.1372	1.13	|O	|	|	|	|
56+30	1.1355	1.13	|O	|	|	|	|
56+35	1.1339	1.13	|O	|	|	|	|
56+40	1.1322	1.13	|O	|	|	|	|
56+45	1.1306	1.13	|O	|	|	|	|
56+50	1.1289	1.13	|O	|	|	|	|
56+55	1.1272	1.12	|O	|	|	|	|
57+ 0	1.1256	1.12	|O	|	|	|	|
57+ 5	1.1239	1.12	|O	|	|	|	|
57+10	1.1223	1.12	|O	|	|	|	|
57+15	1.1207	1.12	|O	|	|	|	|
57+20	1.1190	1.12	|O	|	|	|	|
57+25	1.1174	1.11	|O	|	|	|	|
57+30	1.1157	1.11	|O	|	|	|	|
57+35	1.1141	1.11	|O	|	|	|	|
57+40	1.1125	1.11	|O	|	|	|	|
57+45	1.1108	1.11	|O	|	|	|	|
57+50	1.1092	1.11	|O	|	|	|	|
57+55	1.1076	1.10	|O	|	|	|	|
58+ 0	1.1060	1.10	|O	|	|	|	|
58+ 5	1.1044	1.10	|O	|	|	|	|
58+10	1.1027	1.10	|O	|	|	|	|
58+15	1.1011	1.10	|O	|	|	|	|
58+20	1.0995	1.10	|O	|	|	|	|
58+25	1.0979	1.10	|O	|	|	|	|
58+30	1.0963	1.09	|O	|	|	|	|
58+35	1.0947	1.09	|O	|	|	|	|
58+40	1.0931	1.09	|O	|	|	|	|
58+45	1.0915	1.09	|O	|	|	|	|
58+50	1.0899	1.09	|O	|	|	|	|
58+55	1.0883	1.09	|O	|	|	|	|
59+ 0	1.0867	1.08	|O	|	|	|	|
59+ 5	1.0851	1.08	|O	|	|	|	|
59+10	1.0835	1.08	|O	|	|	|	|
59+15	1.0819	1.08	|O	|	|	|	|
59+20	1.0803	1.08	|O	|	|	|	|
59+25	1.0788	1.08	|O	|	|	|	|
59+30	1.0772	1.07	|O	|	|	|	|
59+35	1.0756	1.07	|O	|	|	|	|
59+40	1.0740	1.07	|O	|	|	|	|
59+45	1.0725	1.07	|O	|	|	|	|
59+50	1.0709	1.07	|O	|	|	|	|
59+55	1.0693	1.07	|O	|	|	|	|
60+ 0	1.0678	1.07	|O	|	|	|	|

60+ 5	1.0662	1.06	O				
60+10	1.0646	1.06	O				
60+15	1.0631	1.06	O				
60+20	1.0615	1.06	O				
60+25	1.0600	1.06	O				
60+30	1.0584	1.06	O				
60+35	1.0569	1.05	O				
60+40	1.0553	1.05	O				
60+45	1.0538	1.05	O				
60+50	1.0522	1.05	O				
60+55	1.0507	1.05	O				
61+ 0	1.0491	1.05	O				
61+ 5	1.0476	1.05	O				
61+10	1.0461	1.04	O				
61+15	1.0445	1.04	O				
61+20	1.0430	1.04	O				
61+25	1.0415	1.04	O				
61+30	1.0400	1.04	O				
61+35	1.0384	1.04	O				
61+40	1.0369	1.03	O				
61+45	1.0354	1.03	O				
61+50	1.0339	1.03	O				
61+55	1.0324	1.03	O				
62+ 0	1.0309	1.03	O				
62+ 5	1.0293	1.03	O				
62+10	1.0278	1.03	O				
62+15	1.0263	1.02	O				
62+20	1.0248	1.02	O				
62+25	1.0233	1.02	O				
62+30	1.0218	1.02	O				
62+35	1.0203	1.02	O				
62+40	1.0188	1.02	O				
62+45	1.0174	1.01	O				
62+50	1.0159	1.01	O				
62+55	1.0144	1.01	O				
63+ 0	1.0129	1.01	O				
63+ 5	1.0114	1.01	O				
63+10	1.0099	1.01	O				
63+15	1.0084	1.01	O				
63+20	1.0070	1.00	O				
63+25	1.0055	1.00	O				
63+30	1.0040	1.00	O				
63+35	1.0026	1.00	O				
63+40	1.0011	1.00	O				
63+45	0.9996	1.00	O				
63+50	0.9982	1.00	O				
63+55	0.9967	0.99	O				
64+ 0	0.9952	0.99	O				
64+ 5	0.9938	0.99	O				
64+10	0.9923	0.99	O				
64+15	0.9909	0.99	O				
64+20	0.9894	0.99	O				
64+25	0.9880	0.99	O				
64+30	0.9865	0.98	O				
64+35	0.9851	0.98	O				
64+40	0.9836	0.98	O				
64+45	0.9822	0.98	O				
64+50	0.9808	0.98	O				
64+55	0.9793	0.98	O				
65+ 0	0.9779	0.98	O				
65+ 5	0.9765	0.97	O				
65+10	0.9750	0.97	O				
65+15	0.9736	0.97	O				
65+20	0.9722	0.97	O				
65+25	0.9707	0.97	O				
65+30	0.9693	0.97	O				
65+35	0.9679	0.97	O				
65+40	0.9665	0.96	O				
65+45	0.9651	0.96	O				
65+50	0.9637	0.96	O				
65+55	0.9623	0.96	O				
66+ 0	0.9608	0.96	O				
66+ 5	0.9594	0.96	O				
66+10	0.9580	0.96	O				
66+15	0.9566	0.95	O				
66+20	0.9552	0.95	O				
66+25	0.9538	0.95	O				
66+30	0.9524	0.95	O				
66+35	0.9510	0.95	O				
66+40	0.9496	0.95	O				
66+45	0.9483	0.95	O				
66+50	0.9469	0.94	O				
66+55	0.9455	0.94	O				
67+ 0	0.9441	0.94	O				
67+ 5	0.9427	0.94	O				
67+10	0.9413	0.94	O				
67+15	0.9400	0.94	O				
67+20	0.9386	0.94	O				
67+25	0.9372	0.93	O				
67+30	0.9358	0.93	O				
67+35	0.9345	0.93	O				
67+40	0.9331	0.93	O				
67+45	0.9317	0.93	O				
67+50	0.9304	0.93	O				
67+55	0.9290	0.93	O				
68+ 0	0.9276	0.93	O				
68+ 5	0.9263	0.92	O				
68+10	0.9249	0.92	O				
68+15	0.9236	0.92	O				
68+20	0.9222	0.92	O				
68+25	0.9209	0.92	O				
68+30	0.9195	0.92	O				
68+35	0.9182	0.92	O				
68+40	0.9168	0.91	O				
68+45	0.9155	0.91	O				
68+50	0.9141	0.91	O				
68+55	0.9128	0.91	O				
69+ 0	0.9114	0.91	O				
69+ 5	0.9097	0.91	O				
69+10	0.9076	0.90	O				
69+15	0.9055	0.90	O				
69+20	0.9032	0.90	O				
69+25	0.9009	0.90	O				
69+30	0.8986	0.89	O				
69+35	0.8964	0.89	O				
69+40	0.8941	0.89	O				
69+45	0.8918	0.89	O				
69+50	0.8895	0.89	O				
69+55	0.8872	0.88	O				
70+ 0	0.8850	0.88	O				
70+ 5	0.8827	0.88	O				
70+10	0.8804	0.88	O				

70+15	0.8782	0.87	|O	|	|	|	|
70+20	0.8759	0.87	|O	|	|	|	|
70+25	0.8737	0.87	|O	|	|	|	|
70+30	0.8715	0.87	|O	|	|	|	|
70+35	0.8692	0.87	IO	|	|	|	|
70+40	0.8670	0.86	IO	|	|	|	|
70+45	0.8648	0.86	O	|	|	|	|
70+50	0.8626	0.86	O	|	|	|	|
70+55	0.8604	0.86	O	|	|	|	|
71+ 0	0.8582	0.85	O	|	|	|	|
71+ 5	0.8560	0.85	O	|	|	|	|
71+10	0.8538	0.85	O	|	|	|	|
71+15	0.8516	0.85	O	|	|	|	|
71+20	0.8494	0.85	O	|	|	|	|
71+25	0.8473	0.84	O	|	|	|	|
71+30	0.8451	0.84	O	|	|	|	|
71+35	0.8429	0.84	O	|	|	|	|
71+40	0.8408	0.84	O	|	|	|	|
71+45	0.8386	0.84	O	|	|	|	|
71+50	0.8365	0.83	O	|	|	|	|
71+55	0.8344	0.83	O	|	|	|	|
72+ 0	0.8322	0.83	O	|	|	|	|
72+ 5	0.8301	0.83	O	|	|	|	|
72+10	0.8280	0.82	O	|	|	|	|
72+15	0.8259	0.82	O	|	|	|	|
72+20	0.8237	0.82	O	|	|	|	|
72+25	0.8216	0.82	O	|	|	|	|
72+30	0.8195	0.82	O	|	|	|	|
72+35	0.8174	0.81	O	|	|	|	|
72+40	0.8154	0.81	O	|	|	|	|
72+45	0.8133	0.81	O	|	|	|	|
72+50	0.8112	0.81	O	|	|	|	|
72+55	0.8091	0.81	O	|	|	|	|
73+ 0	0.8071	0.80	O	|	|	|	|
73+ 5	0.8050	0.80	O	|	|	|	|
73+10	0.8029	0.80	O	|	|	|	|
73+15	0.8009	0.80	O	|	|	|	|
73+20	0.7988	0.80	O	|	|	|	|
73+25	0.7968	0.79	O	|	|	|	|
73+30	0.7947	0.79	O	|	|	|	|
73+35	0.7927	0.79	O	|	|	|	|
73+40	0.7907	0.79	O	|	|	|	|
73+45	0.7887	0.79	O	|	|	|	|
73+50	0.7867	0.78	O	|	|	|	|
73+55	0.7846	0.78	O	|	|	|	|
74+ 0	0.7826	0.78	O	|	|	|	|
74+ 5	0.7806	0.78	O	|	|	|	|
74+10	0.7786	0.78	O	|	|	|	|
74+15	0.7766	0.77	O	|	|	|	|
74+20	0.7747	0.77	O	|	|	|	|
74+25	0.7727	0.77	O	|	|	|	|
74+30	0.7707	0.77	O	|	|	|	|
74+35	0.7687	0.77	O	|	|	|	|
74+40	0.7668	0.76	O	|	|	|	|
74+45	0.7648	0.76	O	|	|	|	|
74+50	0.7629	0.76	O	|	|	|	|
74+55	0.7609	0.76	O	|	|	|	|
75+ 0	0.7590	0.76	O	|	|	|	|
75+ 5	0.7570	0.75	O	|	|	|	|
75+10	0.7551	0.75	O	|	|	|	|
75+15	0.7532	0.75	O	|	|	|	|
75+20	0.7512	0.75	O	|	|	|	|
75+25	0.7493	0.75	O	|	|	|	|
75+30	0.7474	0.74	O	|	|	|	|
75+35	0.7455	0.74	O	|	|	|	|
75+40	0.7436	0.74	O	|	|	|	|
75+45	0.7417	0.74	O	|	|	|	|
75+50	0.7398	0.74	O	|	|	|	|
75+55	0.7379	0.73	O	|	|	|	|
76+ 0	0.7360	0.73	O	|	|	|	|
76+ 5	0.7341	0.73	O	|	|	|	|
76+10	0.7322	0.73	O	|	|	|	|
76+15	0.7304	0.73	O	|	|	|	|
76+20	0.7285	0.73	O	|	|	|	|
76+25	0.7266	0.72	O	|	|	|	|
76+30	0.7248	0.72	O	|	|	|	|
76+35	0.7229	0.72	O	|	|	|	|
76+40	0.7211	0.72	O	|	|	|	|
76+45	0.7192	0.72	O	|	|	|	|
76+50	0.7174	0.71	O	|	|	|	|
76+55	0.7156	0.71	O	|	|	|	|
77+ 0	0.7137	0.71	O	|	|	|	|
77+ 5	0.7119	0.71	O	|	|	|	|
77+10	0.7101	0.71	O	|	|	|	|
77+15	0.7083	0.71	O	|	|	|	|
77+20	0.7065	0.70	O	|	|	|	|
77+25	0.7047	0.70	O	|	|	|	|
77+30	0.7029	0.70	O	|	|	|	|
77+35	0.7011	0.70	O	|	|	|	|
77+40	0.6993	0.70	O	|	|	|	|
77+45	0.6975	0.69	O	|	|	|	|
77+50	0.6957	0.69	O	|	|	|	|
77+55	0.6939	0.69	O	|	|	|	|
78+ 0	0.6921	0.69	O	|	|	|	|
78+ 5	0.6904	0.69	O	|	|	|	|
78+10	0.6886	0.69	O	|	|	|	|
78+15	0.6868	0.68	O	|	|	|	|
78+20	0.6851	0.68	O	|	|	|	|
78+25	0.6833	0.68	O	|	|	|	|
78+30	0.6816	0.68	O	|	|	|	|
78+35	0.6798	0.68	O	|	|	|	|
78+40	0.6781	0.68	O	|	|	|	|
78+45	0.6764	0.67	O	|	|	|	|
78+50	0.6746	0.67	O	|	|	|	|
78+55	0.6729	0.67	O	|	|	|	|
79+ 0	0.6712	0.67	O	|	|	|	|
79+ 5	0.6695	0.67	O	|	|	|	|
79+10	0.6678	0.66	O	|	|	|	|
79+15	0.6661	0.66	O	|	|	|	|
79+20	0.6644	0.66	O	|	|	|	|
79+25	0.6627	0.66	O	|	|	|	|
79+30	0.6610	0.66	O	|	|	|	|
79+35	0.6593	0.66	O	|	|	|	|
79+40	0.6576	0.65	O	|	|	|	|
79+45	0.6559	0.65	O	|	|	|	|
79+50	0.6542	0.65	O	|	|	|	|
79+55	0.6526	0.65	O	|	|	|	|
80+ 0	0.6509	0.65	O	|	|	|	|
80+ 5	0.6492	0.65	O	|	|	|	|
80+10	0.6476	0.64	O	|	|	|	|
80+15	0.6459	0.64	O	|	|	|	|
80+20	0.6443	0.64	O	|	|	|	|

80+25	0.6426	0.64	O				
80+30	0.6410	0.64	O				
80+35	0.6393	0.64	O				
80+40	0.6377	0.63	O				
80+45	0.6361	0.63	O				
80+50	0.6344	0.63	O				
80+55	0.6328	0.63	O				
81+ 0	0.6312	0.63	O				
81+ 5	0.6296	0.63	O				
81+10	0.6280	0.63	O				
81+15	0.6264	0.62	O				
81+20	0.6248	0.62	O				
81+25	0.6232	0.62	O				
81+30	0.6216	0.62	O				
81+35	0.6200	0.62	O				
81+40	0.6184	0.62	O				
81+45	0.6168	0.61	O				
81+50	0.6152	0.61	O				
81+55	0.6137	0.61	O				
82+ 0	0.6121	0.61	O				
82+ 5	0.6105	0.61	O				
82+10	0.6090	0.61	O				
82+15	0.6074	0.60	O				
82+20	0.6059	0.60	O				
82+25	0.6043	0.60	O				
82+30	0.6028	0.60	O				
82+35	0.6012	0.60	O				
82+40	0.5997	0.60	O				
82+45	0.5982	0.60	O				
82+50	0.5966	0.59	O				
82+55	0.5951	0.59	O				
83+ 0	0.5936	0.59	O				
83+ 5	0.5921	0.59	O				
83+10	0.5906	0.59	O				
83+15	0.5890	0.59	O				
83+20	0.5875	0.59	O				
83+25	0.5860	0.58	O				
83+30	0.5845	0.58	O				
83+35	0.5830	0.58	O				
83+40	0.5816	0.58	O				
83+45	0.5801	0.58	O				
83+50	0.5786	0.58	O				
83+55	0.5771	0.57	O				
84+ 0	0.5756	0.57	O				
84+ 5	0.5742	0.57	O				
84+10	0.5727	0.57	O				
84+15	0.5712	0.57	O				
84+20	0.5698	0.57	O				
84+25	0.5683	0.57	O				
84+30	0.5669	0.56	O				
84+35	0.5654	0.56	O				
84+40	0.5640	0.56	O				
84+45	0.5625	0.56	O				
84+50	0.5611	0.56	O				
84+55	0.5596	0.56	O				
85+ 0	0.5582	0.56	O				
85+ 5	0.5568	0.55	O				
85+10	0.5554	0.55	O				
85+15	0.5539	0.55	O				
85+20	0.5525	0.55	O				
85+25	0.5511	0.55	O				
85+30	0.5497	0.55	O				
85+35	0.5483	0.55	O				
85+40	0.5469	0.54	O				
85+45	0.5455	0.54	O				
85+50	0.5441	0.54	O				
85+55	0.5427	0.54	O				
86+ 0	0.5413	0.54	O				
86+ 5	0.5399	0.54	O				
86+10	0.5386	0.54	O				
86+15	0.5372	0.53	O				
86+20	0.5358	0.53	O				
86+25	0.5344	0.53	O				
86+30	0.5331	0.53	O				
86+35	0.5317	0.53	O				
86+40	0.5304	0.53	O				
86+45	0.5290	0.53	O				
86+50	0.5276	0.53	O				
86+55	0.5263	0.52	O				
87+ 0	0.5250	0.52	O				
87+ 5	0.5236	0.52	O				
87+10	0.5223	0.52	O				
87+15	0.5209	0.52	O				
87+20	0.5196	0.52	O				
87+25	0.5183	0.52	O				
87+30	0.5169	0.51	O				
87+35	0.5156	0.51	O				
87+40	0.5143	0.51	O				
87+45	0.5130	0.51	O				
87+50	0.5117	0.51	O				
87+55	0.5104	0.51	O				
88+ 0	0.5091	0.51	O				
88+ 5	0.5078	0.51	O				
88+10	0.5065	0.50	O				
88+15	0.5052	0.50	O				
88+20	0.5039	0.50	O				
88+25	0.5026	0.50	O				
88+30	0.5011	0.50	O				
88+35	0.4988	0.49	O				
88+40	0.4959	0.49	O				
88+45	0.4926	0.49	O				
88+50	0.4892	0.48	O				
88+55	0.4857	0.48	O				
89+ 0	0.4823	0.48	O				
89+ 5	0.4788	0.47	O				
89+10	0.4753	0.47	O				
89+15	0.4719	0.47	O				
89+20	0.4685	0.46	O				
89+25	0.4651	0.46	O				
89+30	0.4618	0.46	O				
89+35	0.4584	0.45	O				
89+40	0.4551	0.45	O				
89+45	0.4518	0.45	O				
89+50	0.4486	0.44	O				
89+55	0.4453	0.44	O				
90+ 0	0.4421	0.44	O				
90+ 5	0.4389	0.43	O				
90+10	0.4357	0.43	O				
90+15	0.4326	0.43	O				
90+20	0.4295	0.42	O				
90+25	0.4264	0.42	O				
90+30	0.4233	0.42	O				

90+35	0.4202	0.42	O				
90+40	0.4172	0.41	O				
90+45	0.4142	0.41	O				
90+50	0.4112	0.41	O				
90+55	0.4082	0.40	O				
91+ 0	0.4053	0.40	O				
91+ 5	0.4023	0.40	O				
91+10	0.3994	0.39	O				
91+15	0.3966	0.39	O				
91+20	0.3937	0.39	O				
91+25	0.3908	0.39	O				
91+30	0.3880	0.38	O				
91+35	0.3852	0.38	O				
91+40	0.3824	0.38	O				
91+45	0.3797	0.38	O				
91+50	0.3769	0.37	O				
91+55	0.3742	0.37	O				
92+ 0	0.3715	0.37	O				
92+ 5	0.3688	0.36	O				
92+10	0.3662	0.36	O				
92+15	0.3635	0.36	O				
92+20	0.3609	0.36	O				
92+25	0.3583	0.35	O				
92+30	0.3557	0.35	O				
92+35	0.3531	0.35	O				
92+40	0.3506	0.35	O				
92+45	0.3480	0.34	O				
92+50	0.3455	0.34	O				
92+55	0.3430	0.34	O				
93+ 0	0.3406	0.34	O				
93+ 5	0.3381	0.33	O				
93+10	0.3357	0.33	O				
93+15	0.3332	0.33	O				
93+20	0.3308	0.33	O				
93+25	0.3284	0.32	O				
93+30	0.3261	0.32	O				
93+35	0.3237	0.32	O				
93+40	0.3214	0.32	O				
93+45	0.3190	0.32	O				
93+50	0.3167	0.31	O				
93+55	0.3145	0.31	O				
94+ 0	0.3122	0.31	O				
94+ 5	0.3099	0.31	O				
94+10	0.3077	0.30	O				
94+15	0.3055	0.30	O				
94+20	0.3033	0.30	O				
94+25	0.3011	0.30	O				
94+30	0.2989	0.30	O				
94+35	0.2967	0.29	O				
94+40	0.2946	0.29	O				
94+45	0.2925	0.29	O				
94+50	0.2904	0.29	O				
94+55	0.2883	0.28	O				
95+ 0	0.2862	0.28	O				
95+ 5	0.2841	0.28	O				
95+10	0.2821	0.28	O				
95+15	0.2800	0.28	O				
95+20	0.2780	0.27	O				
95+25	0.2760	0.27	O				
95+30	0.2740	0.27	O				
95+35	0.2720	0.27	O				
95+40	0.2700	0.27	O				
95+45	0.2681	0.26	O				
95+50	0.2662	0.26	O				
95+55	0.2642	0.26	O				
96+ 0	0.2623	0.26	O				
96+ 5	0.2604	0.26	O				
96+10	0.2586	0.26	O				
96+15	0.2567	0.25	O				
96+20	0.2548	0.25	O				
96+25	0.2530	0.25	O				
96+30	0.2512	0.25	O				
96+35	0.2493	0.25	O				
96+40	0.2475	0.24	O				
96+45	0.2458	0.24	O				
96+50	0.2440	0.24	O				
96+55	0.2422	0.24	O				
97+ 0	0.2405	0.24	O				
97+ 5	0.2387	0.24	O				
97+10	0.2370	0.23	O				
97+15	0.2353	0.23	O				
97+20	0.2336	0.23	O				
97+25	0.2319	0.23	O				
97+30	0.2302	0.23	O				
97+35	0.2286	0.23	O				
97+40	0.2269	0.22	O				
97+45	0.2253	0.22	O				
97+50	0.2237	0.22	O				
97+55	0.2220	0.22	O				
98+ 0	0.2204	0.22	O				
98+ 5	0.2188	0.22	O				
98+10	0.2173	0.21	O				
98+15	0.2157	0.21	O				
98+20	0.2141	0.21	O				
98+25	0.2126	0.21	O				
98+30	0.2111	0.21	O				
98+35	0.2095	0.21	O				
98+40	0.2080	0.21	O				
98+45	0.2065	0.20	O				
98+50	0.2050	0.20	O				
98+55	0.2035	0.20	O				
99+ 0	0.2021	0.20	O				
99+ 5	0.2006	0.20	O				
99+10	0.1992	0.20	O				
99+15	0.1977	0.20	O				
99+20	0.1963	0.19	O				
99+25	0.1949	0.19	O				
99+30	0.1935	0.19	O				
99+35	0.1921	0.19	O				
99+40	0.1907	0.19	O				
99+45	0.1893	0.19	O				
99+50	0.1879	0.19	O				
99+55	0.1866	0.18	O				
100+ 0	0.1852	0.18	O				
100+ 5	0.1839	0.18	O				
100+10	0.1826	0.18	O				
100+15	0.1812	0.18	O				
100+20	0.1799	0.18	O				
100+25	0.1786	0.18	O				
100+30	0.1773	0.18	O				
100+35	0.1761	0.17	O				
100+40	0.1748	0.17	O				

100+45	0.1735	0.17	O					105+50	0.1115	0.11	O				
100+50	0.1723	0.17	O					105+55	0.1107	0.11	O				
100+55	0.1710	0.17	O					106+ 0	0.1099	0.11	O				
101+ 0	0.1698	0.17	O					106+ 5	0.1091	0.11	O				
101+ 5	0.1686	0.17	O					106+10	0.1083	0.11	O				
101+10	0.1674	0.17	O					106+15	0.1075	0.11	O				
101+15	0.1661	0.16	O					106+20	0.1068	0.11	O				
101+20	0.1649	0.16	O					106+25	0.1060	0.10	O				
101+25	0.1638	0.16	O					106+30	0.1052	0.10	O				
101+30	0.1626	0.16	O					106+35	0.1045	0.10	O				
101+35	0.1614	0.16	O					106+40	0.1037	0.10	O				
101+40	0.1602	0.16	O					106+45	0.1030	0.10	O				
101+45	0.1591	0.16	O					106+50	0.1022	0.10	O				
101+50	0.1579	0.16	O					106+55	0.1015	0.10	O				
101+55	0.1568	0.15	O					107+ 0	0.1008	0.10	O				
102+ 0	0.1557	0.15	O					107+ 5	0.1000	0.10	O				
102+ 5	0.1545	0.15	O					107+10	0.0993	0.10	O				
102+10	0.1534	0.15	O					107+15	0.0986	0.10	O				
102+15	0.1523	0.15	O					107+20	0.0979	0.10	O				
102+20	0.1512	0.15	O					107+25	0.0972	0.10	O				
102+25	0.1501	0.15	O					107+30	0.0965	0.10	O				
102+30	0.1490	0.15	O					107+35	0.0958	0.09	O				
102+35	0.1480	0.15	O					107+40	0.0951	0.09	O				
102+40	0.1469	0.15	O					107+45	0.0944	0.09	O				
102+45	0.1458	0.14	O					107+50	0.0937	0.09	O				
102+50	0.1448	0.14	O					107+55	0.0930	0.09	O				
102+55	0.1437	0.14	O					108+ 0	0.0924	0.09	O				
103+ 0	0.1427	0.14	O					108+ 5	0.0917	0.09	O				
103+ 5	0.1417	0.14	O					108+10	0.0910	0.09	O				
103+10	0.1406	0.14	O					108+15	0.0904	0.09	O				
103+15	0.1396	0.14	O					108+20	0.0897	0.09	O				
103+20	0.1386	0.14	O					108+25	0.0891	0.09	O				
103+25	0.1376	0.14	O					108+30	0.0884	0.09	O				
103+30	0.1366	0.13	O					108+35	0.0878	0.09	O				
103+35	0.1356	0.13	O					108+40	0.0872	0.09	O				
103+40	0.1346	0.13	O					108+45	0.0865	0.09	O				
103+45	0.1337	0.13	O					108+50	0.0859	0.08	O				
103+50	0.1327	0.13	O					108+55	0.0853	0.08	O				
103+55	0.1317	0.13	O					109+ 0	0.0847	0.08	O				
104+ 0	0.1308	0.13	O					109+ 5	0.0841	0.08	O				
104+ 5	0.1299	0.13	O					109+10	0.0834	0.08	O				
104+10	0.1289	0.13	O					109+15	0.0828	0.08	O				
104+15	0.1280	0.13	O					109+20	0.0822	0.08	O				
104+20	0.1271	0.13	O					109+25	0.0816	0.08	O				
104+25	0.1261	0.12	O					109+30	0.0811	0.08	O				
104+30	0.1252	0.12	O					109+35	0.0805	0.08	O				
104+35	0.1243	0.12	O					109+40	0.0799	0.08	O				
104+40	0.1234	0.12	O					109+45	0.0793	0.08	O				
104+45	0.1225	0.12	O					109+50	0.0787	0.08	O				
104+50	0.1216	0.12	O					109+55	0.0782	0.08	O				
104+55	0.1208	0.12	O					110+ 0	0.0776	0.08	O				
105+ 0	0.1199	0.12	O					110+ 5	0.0770	0.08	O				
105+ 5	0.1190	0.12	O					110+10	0.0765	0.08	O				
105+10	0.1182	0.12	O					110+15	0.0759	0.08	O				
105+15	0.1173	0.12	O					110+20	0.0754	0.07	O				
105+20	0.1165	0.12	O					110+25	0.0748	0.07	O				
105+25	0.1156	0.11	O					110+30	0.0743	0.07	O				
105+30	0.1148	0.11	O					110+35	0.0738	0.07	O				
105+35	0.1140	0.11	O					110+40	0.0732	0.07	O				
105+40	0.1131	0.11	O					110+45	0.0727	0.07	O				
105+45	0.1123	0.11	O					110+50	0.0722	0.07	O				

110+55	0.0717	0.07	O					116+ 0	0.0460	0.05	O				
111+ 0	0.0711	0.07	O					116+ 5	0.0457	0.05	O				
111+ 5	0.0706	0.07	O					116+10	0.0454	0.04	O				
111+10	0.0701	0.07	O					116+15	0.0451	0.04	O				
111+15	0.0696	0.07	O					116+20	0.0447	0.04	O				
111+20	0.0691	0.07	O					116+25	0.0444	0.04	O				
111+25	0.0686	0.07	O					116+30	0.0441	0.04	O				
111+30	0.0681	0.07	O					116+35	0.0438	0.04	O				
111+35	0.0676	0.07	O					116+40	0.0435	0.04	O				
111+40	0.0671	0.07	O					116+45	0.0431	0.04	O				
111+45	0.0666	0.07	O					116+50	0.0428	0.04	O				
111+50	0.0662	0.07	O					116+55	0.0425	0.04	O				
111+55	0.0657	0.06	O					117+ 0	0.0422	0.04	O				
112+ 0	0.0652	0.06	O					117+ 5	0.0419	0.04	O				
112+ 5	0.0647	0.06	O					117+10	0.0416	0.04	O				
112+10	0.0643	0.06	O					117+15	0.0413	0.04	O				
112+15	0.0638	0.06	O					117+20	0.0410	0.04	O				
112+20	0.0634	0.06	O					117+25	0.0407	0.04	O				
112+25	0.0629	0.06	O					117+30	0.0404	0.04	O				
112+30	0.0624	0.06	O					117+35	0.0401	0.04	O				
112+35	0.0620	0.06	O					117+40	0.0398	0.04	O				
112+40	0.0615	0.06	O					117+45	0.0395	0.04	O				
112+45	0.0611	0.06	O					117+50	0.0393	0.04	O				
112+50	0.0607	0.06	O					117+55	0.0390	0.04	O				
112+55	0.0602	0.06	O					118+ 0	0.0387	0.04	O				
113+ 0	0.0598	0.06	O					118+ 5	0.0384	0.04	O				
113+ 5	0.0593	0.06	O					118+10	0.0381	0.04	O				
113+10	0.0589	0.06	O					118+15	0.0379	0.04	O				
113+15	0.0585	0.06	O					118+20	0.0376	0.04	O				
113+20	0.0581	0.06	O					118+25	0.0373	0.04	O				
113+25	0.0577	0.06	O					118+30	0.0370	0.04	O				
113+30	0.0572	0.06	O					118+35	0.0368	0.04	O				
113+35	0.0568	0.06	O					118+40	0.0365	0.04	O				
113+40	0.0564	0.06	O					118+45	0.0363	0.04	O				
113+45	0.0560	0.06	O					118+50	0.0360	0.04	O				
113+50	0.0556	0.05	O					118+55	0.0357	0.04	O				
113+55	0.0552	0.05	O					119+ 0	0.0355	0.04	O				
114+ 0	0.0548	0.05	O					119+ 5	0.0352	0.03	O				
114+ 5	0.0544	0.05	O					119+10	0.0350	0.03	O				
114+10	0.0540	0.05	O					119+15	0.0347	0.03	O				
114+15	0.0536	0.05	O					119+20	0.0345	0.03	O				
114+20	0.0532	0.05	O					119+25	0.0342	0.03	O				
114+25	0.0528	0.05	O					119+30	0.0340	0.03	O				
114+30	0.0525	0.05	O					119+35	0.0337	0.03	O				
114+35	0.0521	0.05	O					119+40	0.0335	0.03	O				
114+40	0.0517	0.05	O					119+45	0.0332	0.03	O				
114+45	0.0513	0.05	O					119+50	0.0330	0.03	O				
114+50	0.0510	0.05	O					119+55	0.0328	0.03	O				
114+55	0.0506	0.05	O					120+ 0	0.0325	0.03	O				
115+ 0	0.0502	0.05	O					120+ 5	0.0323	0.03	O				
115+ 5	0.0499	0.05	O					120+10	0.0320	0.03	O				
115+10	0.0495	0.05	O					120+15	0.0318	0.03	O				
115+15	0.0492	0.05	O					120+20	0.0316	0.03	O				
115+20	0.0488	0.05	O					120+25	0.0314	0.03	O				
115+25	0.0484	0.05	O					120+30	0.0311	0.03	O				
115+30	0.0481	0.05	O					120+35	0.0309	0.03	O				
115+35	0.0477	0.05	O					120+40	0.0307	0.03	O				
115+40	0.0474	0.05	O					120+45	0.0305	0.03	O				
115+45	0.0471	0.05	O					120+50	0.0302	0.03	O				
115+50	0.0467	0.05	O					120+55	0.0300	0.03	O				
115+55	0.0464	0.05	O					121+ 0	0.0298	0.03	O				

121+ 5	0.0296	0.03	O					126+10	0.0190	0.02	O				
121+10	0.0294	0.03	O					126+15	0.0189	0.02	O				
121+15	0.0292	0.03	O					126+20	0.0187	0.02	O				
121+20	0.0290	0.03	O					126+25	0.0186	0.02	O				
121+25	0.0287	0.03	O					126+30	0.0185	0.02	O				
121+30	0.0285	0.03	O					126+35	0.0183	0.02	O				
121+35	0.0283	0.03	O					126+40	0.0182	0.02	O				
121+40	0.0281	0.03	O					126+45	0.0181	0.02	O				
121+45	0.0279	0.03	O					126+50	0.0179	0.02	O				
121+50	0.0277	0.03	O					126+55	0.0178	0.02	O				
121+55	0.0275	0.03	O					127+ 0	0.0177	0.02	O				
122+ 0	0.0273	0.03	O					127+ 5	0.0176	0.02	O				
122+ 5	0.0271	0.03	O					127+10	0.0174	0.02	O				
122+10	0.0269	0.03	O					127+15	0.0173	0.02	O				
122+15	0.0267	0.03	O					127+20	0.0172	0.02	O				
122+20	0.0265	0.03	O					127+25	0.0171	0.02	O				
122+25	0.0264	0.03	O					127+30	0.0169	0.02	O				
122+30	0.0262	0.03	O					127+35	0.0168	0.02	O				
122+35	0.0260	0.03	O					127+40	0.0167	0.02	O				
122+40	0.0258	0.03	O					127+45	0.0166	0.02	O				
122+45	0.0256	0.03	O					127+50	0.0164	0.02	O				
122+50	0.0254	0.03	O					127+55	0.0163	0.02	O				
122+55	0.0252	0.02	O					128+ 0	0.0162	0.02	O				
123+ 0	0.0250	0.02	O					128+ 5	0.0161	0.02	O				
123+ 5	0.0249	0.02	O					128+10	0.0160	0.02	O				
123+10	0.0247	0.02	O					128+15	0.0159	0.02	O				
123+15	0.0245	0.02	O					128+20	0.0157	0.02	O				
123+20	0.0243	0.02	O					128+25	0.0156	0.02	O				
123+25	0.0242	0.02	O					128+30	0.0155	0.02	O				
123+30	0.0240	0.02	O					128+35	0.0154	0.02	O				
123+35	0.0238	0.02	O					128+40	0.0153	0.02	O				
123+40	0.0236	0.02	O					128+45	0.0152	0.02	O				
123+45	0.0235	0.02	O					128+50	0.0151	0.01	O				
123+50	0.0233	0.02	O					128+55	0.0150	0.01	O				
123+55	0.0231	0.02	O					129+ 0	0.0149	0.01	O				
124+ 0	0.0230	0.02	O					129+ 5	0.0148	0.01	O				
124+ 5	0.0228	0.02	O					129+10	0.0146	0.01	O				
124+10	0.0226	0.02	O					129+15	0.0145	0.01	O				
124+15	0.0225	0.02	O					129+20	0.0144	0.01	O				
124+20	0.0223	0.02	O					129+25	0.0143	0.01	O				
124+25	0.0221	0.02	O					129+30	0.0142	0.01	O				
124+30	0.0220	0.02	O					129+35	0.0141	0.01	O				
124+35	0.0218	0.02	O					129+40	0.0140	0.01	O				
124+40	0.0217	0.02	O					129+45	0.0139	0.01	O				
124+45	0.0215	0.02	O					129+50	0.0138	0.01	O				
124+50	0.0214	0.02	O					129+55	0.0137	0.01	O				
124+55	0.0212	0.02	O					130+ 0	0.0136	0.01	O				
125+ 0	0.0210	0.02	O					130+ 5	0.0135	0.01	O				
125+ 5	0.0209	0.02	O					130+10	0.0134	0.01	O				
125+10	0.0207	0.02	O					130+15	0.0133	0.01	O				
125+15	0.0206	0.02	O					130+20	0.0132	0.01	O				
125+20	0.0204	0.02	O					130+25	0.0131	0.01	O				
125+25	0.0203	0.02	O					130+30	0.0130	0.01	O				
125+30	0.0202	0.02	O					130+35	0.0129	0.01	O				
125+35	0.0200	0.02	O					130+40	0.0129	0.01	O				
125+40	0.0199	0.02	O					130+45	0.0128	0.01	O				
125+45	0.0197	0.02	O					130+50	0.0127	0.01	O				
125+50	0.0196	0.02	O					130+55	0.0126	0.01	O				
125+55	0.0194	0.02	O					131+ 0	0.0125	0.01	O				
126+ 0	0.0193	0.02	O					131+ 5	0.0124	0.01	O				
126+ 5	0.0192	0.02	O					131+10	0.0123	0.01	O				

131+15	0.0122	0.01	O				
131+20	0.0121	0.01	O				
131+25	0.0120	0.01	O				
131+30	0.0120	0.01	O				
131+35	0.0119	0.01	O				
131+40	0.0118	0.01	O				
131+45	0.0117	0.01	O				
131+50	0.0116	0.01	O				
131+55	0.0115	0.01	O				
132+ 0	0.0114	0.01	O				
132+ 5	0.0114	0.01	O				
132+10	0.0113	0.01	O				
132+15	0.0112	0.01	O				
132+20	0.0111	0.01	O				
132+25	0.0110	0.01	O				
132+30	0.0110	0.01	O				
132+35	0.0109	0.01	O				
132+40	0.0108	0.01	O				
132+45	0.0107	0.01	O				
132+50	0.0106	0.01	O				
132+55	0.0106	0.01	O				
133+ 0	0.0105	0.01	O				
133+ 5	0.0104	0.01	O				
133+10	0.0103	0.01	O				
133+15	0.0103	0.01	O				
133+20	0.0102	0.01	O				
133+25	0.0101	0.01	O				
133+30	0.0100	0.01	O				
133+35	0.0100	0.01	O				
133+40	0.0099	0.01	O				
133+45	0.0098	0.01	O				
133+50	0.0098	0.01	O				
133+55	0.0097	0.01	O				
134+ 0	0.0096	0.01	O				
134+ 5	0.0096	0.01	O				
134+10	0.0095	0.01	O				
134+15	0.0094	0.01	O				
134+20	0.0093	0.01	O				
134+25	0.0093	0.01	O				
134+30	0.0092	0.01	O				
134+35	0.0091	0.01	O				
134+40	0.0091	0.01	O				
134+45	0.0090	0.01	O				
134+50	0.0089	0.01	O				
134+55	0.0089	0.01	O				
135+ 0	0.0088	0.01	O				
135+ 5	0.0088	0.01	O				
135+10	0.0087	0.01	O				
135+15	0.0086	0.01	O				
135+20	0.0086	0.01	O				
135+25	0.0085	0.01	O				
135+30	0.0084	0.01	O				
135+35	0.0084	0.01	O				
135+40	0.0083	0.01	O				
135+45	0.0083	0.01	O				
135+50	0.0082	0.01	O				
135+55	0.0081	0.01	O				
136+ 0	0.0081	0.01	O				
136+ 5	0.0080	0.01	O				
136+10	0.0080	0.01	O				
136+15	0.0079	0.01	O				
136+20	0.0079	0.01	O				
136+25	0.0078	0.01	O				
136+30	0.0077	0.01	O				
136+35	0.0077	0.01	O				
136+40	0.0076	0.01	O				
136+45	0.0076	0.01	O				
136+50	0.0075	0.01	O				
136+55	0.0075	0.01	O				
137+ 0	0.0074	0.01	O				
137+ 5	0.0074	0.01	O				
137+10	0.0073	0.01	O				
137+15	0.0073	0.01	O				
137+20	0.0072	0.01	O				
137+25	0.0071	0.01	O				
137+30	0.0071	0.01	O				
137+35	0.0070	0.01	O				
137+40	0.0070	0.01	O				
137+45	0.0069	0.01	O				
137+50	0.0069	0.01	O				
137+55	0.0068	0.01	O				
138+ 0	0.0068	0.01	O				
138+ 5	0.0067	0.01	O				
138+10	0.0067	0.01	O				
138+15	0.0066	0.01	O				
138+20	0.0066	0.01	O				
138+25	0.0066	0.01	O				
138+30	0.0065	0.01	O				
138+35	0.0065	0.01	O				
138+40	0.0064	0.01	O				
138+45	0.0064	0.01	O				
138+50	0.0063	0.01	O				
138+55	0.0063	0.01	O				
139+ 0	0.0062	0.01	O				
139+ 5	0.0062	0.01	O				
139+10	0.0061	0.01	O				
139+15	0.0061	0.01	O				
139+20	0.0060	0.01	O				
139+25	0.0060	0.01	O				
139+30	0.0060	0.01	O				
139+35	0.0059	0.01	O				
139+40	0.0059	0.01	O				
139+45	0.0058	0.01	O				
139+50	0.0058	0.01	O				
139+55	0.0057	0.01	O				

```
------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  1920
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       33.613 (CFS)
                        Total volume =      14.800 (Ac.Ft)
                Status of hydrographs being held in storage
                          Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        3.200 to Point/Station        3.300
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      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ----------------------------------------------------------------------
      ********** HYDROGRAPH INFORMATION **********

                    From study/file name: MESAP3B6100.rte
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
      ----------------------------------------------------------------------
                Hydrograph in   5   Minute intervals (CFS)

      ----------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       13.3      26.6      39.8      53.1
----------------------------------------------------------------------
  0+ 5       0.0769      0.08  Q         |         |         |         |
  0+10       0.4629      0.47  Q         |         |         |         |
  0+15       0.6845      0.72  Q         |         |         |         |
  0+20       0.7747      0.85  Q         |         |         |         |
  0+25       0.8131      0.94  Q         |         |         |         |
  0+30       0.8418      1.04  Q         |         |         |         |
  0+35       0.9221      1.18  Q         |         |         |         |
  0+40       0.9559      1.29  Q         |         |         |         |
  0+45       0.9687      1.37  qQ        |         |         |         |
  0+50       0.9739      1.44  qQ        |         |         |         |
  0+55       0.9755      1.48  qQ        |         |         |         |
  1+ 0       0.9918      1.54  qQ        |         |         |         |
  1+ 5       1.0666      1.64  qQ        |         |         |         |
  1+10       1.0961      1.70  qQ        |         |         |         |
  1+15       1.1083      1.75  qQ        |         |         |         |
  1+20       1.1135      1.78  qQ        |         |         |         |
  1+25       1.1151      1.82  qQ        |         |         |         |
  1+30       1.1160      1.85  qQ        |         |         |         |
  1+35       1.1167      1.88  qQ        |         |         |         |
  1+40       1.1167      1.91  qQ        |         |         |         |
  1+45       1.1167      1.95  qQ        |         |         |         |
  1+50       1.1167      1.98  qQ        |         |         |         |
  1+55       1.1167      2.01  qQ        |         |         |         |
  2+ 0       1.1321      2.05  qQ        |         |         |         |
  2+ 5       1.1908      2.12  qQ        |         |         |         |
  2+10       1.1616      2.12  qQ        |         |         |         |
  2+15       1.2183      2.19  qQ        |         |         |         |
  2+20       1.2410      2.23  qQ        |         |         |         |
  2+25       1.2495      2.26  qQ        |         |         |         |
  2+30       1.2540      2.29  qQ        |         |         |         |
  2+35       1.2554      2.31  qQ        |         |         |         |
  2+40       1.2556      2.33  qQ        |         |         |         |
  2+45       1.2717      2.37  qQ        |         |         |         |
  2+50       1.3458      2.47  |Q        |         |         |         |
  2+55       1.3753      2.52  |Q        |         |         |         |
  3+ 0       1.3874      2.55  |Q        |         |         |         |
  3+ 5       1.3927      2.58  |Q        |         |         |         |
  3+10       1.4218      2.63  |Q        |         |         |         |
  3+15       1.5551      2.78  |qQ       |         |         |         |
  3+20       1.6085      2.85  |qQ       |         |         |         |
  3+25       1.7071      2.97  |qQ       |         |         |         |
  3+30       2.1640      3.45  |qQ       |         |         |         |
  3+35       2.7620      4.07  | qQ      |         |         |         |
  3+40       3.3423      4.67  | qQ      |         |         |         |
  3+45       3.6549      5.00  | qQ      |         |         |         |
  3+50       4.1205      5.49  |  qQ     |         |         |         |
  3+55       4.3839      5.78  |  qQ     |         |         |         |
  4+ 0       4.8311      6.25  |  qQ     |         |         |         |
  4+ 5       5.0897      6.54  |  qQ     |         |         |         |
  4+10       5.6093      7.08  |   qQ    |         |         |         |
  4+15       6.2351      7.73  |   qQ    |         |         |         |
  4+20       6.9023      8.43  |    qQ   |         |         |         |
  4+25       7.5888      9.14  |    qQ   |         |         |         |
  4+30       8.2052      9.79  |     qQ  |         |         |         |
  4+35       8.5292     10.14  |     qQ  |         |         |         |
  4+40       9.0796     10.72  |     q Q |         |         |         |
  4+45       9.7169     11.39  |      qQ |         |         |         |
  4+50      10.3117     12.01  |      q Q|         |         |         |
  4+55      10.6309     12.47  |      qQ|         |         |         |
  5+ 0      11.1768     13.78  |      q Q         |         |         |
  5+ 5      12.1185     16.57  |       q| Q       |         |         |
  5+10      14.5803     21.48  |        q     Q   |         |         |
  5+15      17.4963     27.32  |         |  q     Q         |         |
  5+20      19.9174     33.12  |         |    q    |   Q     |         |
  5+25      22.3036     39.34  |         |     q   |        Q|         |
  5+30      25.6532     47.05  |         |      q| |         |    Q    |
  5+35      27.2063     53.10  |         |        q|         |         |Q
  5+40      14.6102     44.19  |         |q        |         |   Q     |
  5+45       6.6665     38.77  |    q    |         |         |Q|       |
  5+50       3.2231     36.56  | q       |         |         |  Q      |
  5+55       1.6447     35.26  |q        |         |         |   Q     |
  6+ 0       0.9483     34.26  q         |         |         |    Q    |
  6+ 5       0.5494     33.22  q         |         |         |    Q    |
  6+10       0.1743     32.02  q         |         |         |   Q     |
  6+15       0.0596     30.94  q         |         |         |  Q      |
  6+20       0.0239     29.78  q         |         |         | Q       |
  6+25       0.0093     28.40  q         |         |        |Q       |
  6+30       0.0038     26.95  q         |         |        Q|       |
  6+35       0.0013     25.50  q         |         |       Q|        |
  6+40       0.0000     24.11  q         |         |      Q |        |
  6+45       0.0000     22.77  q         |         |     Q  |        |
  6+50       0.0000     21.51  q         |         |    Q   |        |
  6+55       0.0000     20.31  q         |         |   Q    |        |
  7+ 0       0.0000     19.21  q         |         |  Q     |        |
  7+ 5       0.0000     18.19  q         |         | Q      |        |
  7+10       0.0000     17.24  q         |         | Q      |        |
  7+15       0.0000     16.34  q         |         | Q      |        |
  7+20       0.0000     15.49  q         |         |Q       |        |
  7+25       0.0000     14.69  q         |         |Q       |        |
  7+30       0.0000     13.93  q         |        Q|        |        |
  7+35       0.0000     13.21  q         |        Q|        |        |
  7+40       0.0000     12.52  q         |        Q|        |        |
  7+45       0.0000     11.87  q         |       Q |        |        |
  7+50       0.0000     11.26  q         |       Q |        |        |
  7+55       0.0000     10.68  q         |       Q |        |        |
  8+ 0       0.0000     10.13  q         |      Q  |        |        |
  8+ 5       0.0000      9.61  q         |      Q  |        |        |
  8+10       0.0000      9.12  q         |     Q   |        |        |
  8+15       0.0000      8.66  q         |     Q   |        |        |
  8+20       0.0000      8.22  q         |     Q   |        |        |
  8+25       0.0000      7.80  q         |    Q    |        |        |
  8+30       0.0000      7.41  q         |    Q    |        |        |
  8+35       0.0000      7.03  q         |    Q    |        |        |
  8+40       0.0000      6.67  q         |    Q    |        |        |
  8+45       0.0000      6.33  q         |   Q     |        |        |
  8+50       0.0000      6.01  q         |   Q     |        |        |
  8+55       0.0000      5.71  q         |   Q     |        |        |
  9+ 0       0.0000      5.42  q         |   Q     |        |        |
```

9+ 5	0.0000	5.14	q	Q	|	|	|	|	14+10	0.0000	1.73	qQ	|	|	|	|
9+10	0.0000	4.88	q	Q	|	|	|	|	14+15	0.0000	1.73	qQ	|	|	|	|
9+15	0.0000	4.63	q	Q	|	|	|	|	14+20	0.0000	1.73	qQ	|	|	|	|
9+20	0.0000	4.40	q	Q	|	|	|	|	14+25	0.0000	1.73	qQ	|	|	|	|
9+25	0.0000	4.17	q	Q	|	|	|	|	14+30	0.0000	1.73	qQ	|	|	|	|
9+30	0.0000	3.96	q	Q	|	|	|	|	14+35	0.0000	1.73	qQ	|	|	|	|
9+35	0.0000	3.76	q	Q	|	|	|	|	14+40	0.0000	1.73	qQ	|	|	|	|
9+40	0.0000	3.57	q	Q	|	|	|	|	14+45	0.0000	1.73	qQ	|	|	|	|
9+45	0.0000	3.39	q	Q	|	|	|	|	14+50	0.0000	1.72	qQ	|	|	|	|
9+50	0.0000	3.22	q	Q	|	|	|	|	14+55	0.0000	1.72	qQ	|	|	|	|
9+55	0.0000	3.05	q	Q	|	|	|	|	15+ 0	0.0000	1.72	qQ	|	|	|	|
10+ 0	0.0000	2.90	q	Q	|	|	|	|	15+ 5	0.0000	1.72	qQ	|	|	|	|
10+ 5	0.0000	2.75	q	Q	|	|	|	|	15+10	0.0000	1.72	qQ	|	|	|	|
10+10	0.0000	2.61	qQ		|	|	|	|	15+15	0.0000	1.72	qQ	|	|	|	|
10+15	0.0000	2.48	qQ		|	|	|	|	15+20	0.0000	1.72	qQ	|	|	|	|
10+20	0.0000	2.35	qQ		|	|	|	|	15+25	0.0000	1.72	qQ	|	|	|	|
10+25	0.0000	2.23	qQ		|	|	|	|	15+30	0.0000	1.72	qQ	|	|	|	|
10+30	0.0000	2.12	qQ		|	|	|	|	15+35	0.0000	1.72	qQ	|	|	|	|
10+35	0.0000	2.01	qQ		|	|	|	|	15+40	0.0000	1.72	qQ	|	|	|	|
10+40	0.0000	1.91	qQ		|	|	|	|	15+45	0.0000	1.71	qQ	|	|	|	|
10+45	0.0000	1.84	qQ		|	|	|	|	15+50	0.0000	1.71	qQ	|	|	|	|
10+50	0.0000	1.80	qQ		|	|	|	|	15+55	0.0000	1.71	qQ	|	|	|	|
10+55	0.0000	1.78	qQ		|	|	|	|	16+ 0	0.0000	1.71	qQ	|	|	|	|
11+ 0	0.0000	1.78	qQ		|	|	|	|	16+ 5	0.0000	1.71	qQ	|	|	|	|
11+ 5	0.0000	1.77	qQ		|	|	|	|	16+10	0.0000	1.71	qQ	|	|	|	|
11+10	0.0000	1.77	qQ		|	|	|	|	16+15	0.0000	1.71	qQ	|	|	|	|
11+15	0.0000	1.77	qQ		|	|	|	|	16+20	0.0000	1.71	qQ	|	|	|	|
11+20	0.0000	1.76	qQ		|	|	|	|	16+25	0.0000	1.71	qQ	|	|	|	|
11+25	0.0000	1.76	qQ		|	|	|	|	16+30	0.0000	1.71	qQ	|	|	|	|
11+30	0.0000	1.76	qQ		|	|	|	|	16+35	0.0000	1.71	qQ	|	|	|	|
11+35	0.0000	1.76	qQ		|	|	|	|	16+40	0.0000	1.70	qQ	|	|	|	|
11+40	0.0000	1.76	qQ		|	|	|	|	16+45	0.0000	1.70	qQ	|	|	|	|
11+45	0.0000	1.76	qQ		|	|	|	|	16+50	0.0000	1.70	qQ	|	|	|	|
11+50	0.0000	1.76	qQ		|	|	|	|	16+55	0.0000	1.70	qQ	|	|	|	|
11+55	0.0000	1.76	qQ		|	|	|	|	17+ 0	0.0000	1.70	qQ	|	|	|	|
12+ 0	0.0000	1.76	qQ		|	|	|	|	17+ 5	0.0000	1.70	qQ	|	|	|	|
12+ 5	0.0000	1.76	qQ		|	|	|	|	17+10	0.0000	1.70	qQ	|	|	|	|
12+10	0.0000	1.75	qQ		|	|	|	|	17+15	0.0000	1.70	qQ	|	|	|	|
12+15	0.0000	1.75	qQ		|	|	|	|	17+20	0.0000	1.70	qQ	|	|	|	|
12+20	0.0000	1.75	qQ		|	|	|	|	17+25	0.0000	1.70	qQ	|	|	|	|
12+25	0.0000	1.75	qQ		|	|	|	|	17+30	0.0000	1.70	qQ	|	|	|	|
12+30	0.0000	1.75	qQ		|	|	|	|	17+35	0.0000	1.69	qQ	|	|	|	|
12+35	0.0000	1.75	qQ		|	|	|	|	17+40	0.0000	1.69	qQ	|	|	|	|
12+40	0.0000	1.75	qQ		|	|	|	|	17+45	0.0000	1.69	qQ	|	|	|	|
12+45	0.0000	1.75	qQ		|	|	|	|	17+50	0.0000	1.69	qQ	|	|	|	|
12+50	0.0000	1.75	qQ		|	|	|	|	17+55	0.0000	1.69	qQ	|	|	|	|
12+55	0.0000	1.75	qQ		|	|	|	|	18+ 0	0.0000	1.69	qQ	|	|	|	|
13+ 0	0.0000	1.75	qQ		|	|	|	|	18+ 5	0.0000	1.69	qQ	|	|	|	|
13+ 5	0.0000	1.74	qQ		|	|	|	|	18+10	0.0000	1.69	qQ	|	|	|	|
13+10	0.0000	1.74	qQ		|	|	|	|	18+15	0.0000	1.69	qQ	|	|	|	|
13+15	0.0000	1.74	qQ		|	|	|	|	18+20	0.0000	1.69	qQ	|	|	|	|
13+20	0.0000	1.74	qQ		|	|	|	|	18+25	0.0000	1.69	qQ	|	|	|	|
13+25	0.0000	1.74	qQ		|	|	|	|	18+30	0.0000	1.68	qQ	|	|	|	|
13+30	0.0000	1.74	qQ		|	|	|	|	18+35	0.0000	1.68	qQ	|	|	|	|
13+35	0.0000	1.74	qQ		|	|	|	|	18+40	0.0000	1.68	qQ	|	|	|	|
13+40	0.0000	1.74	qQ		|	|	|	|	18+45	0.0000	1.68	qQ	|	|	|	|
13+45	0.0000	1.74	qQ		|	|	|	|	18+50	0.0000	1.68	qQ	|	|	|	|
13+50	0.0000	1.74	qQ		|	|	|	|	18+55	0.0000	1.68	qQ	|	|	|	|
13+55	0.0000	1.74	qQ		|	|	|	|	19+ 0	0.0000	1.68	qQ	|	|	|	|
14+ 0	0.0000	1.73	qQ		|	|	|	|	19+ 5	0.0000	1.68	qQ	|	|	|	|
14+ 5	0.0000	1.73	qQ		|	|	|	|	19+10	0.0000	1.68	qQ	|	|	|	|

19+15	0.0000	1.67	qQ					24+20	0.0000	1.61	qQ				
19+20	0.0000	1.67	qQ					24+25	0.0000	1.61	qQ				
19+25	0.0000	1.67	qQ					24+30	0.0000	1.61	qQ				
19+30	0.0000	1.67	qQ					24+35	0.0000	1.61	qQ				
19+35	0.0000	1.67	qQ					24+40	0.0000	1.61	qQ				
19+40	0.0000	1.67	qQ					24+45	0.0000	1.61	qQ				
19+45	0.0000	1.67	qQ					24+50	0.0000	1.60	qQ				
19+50	0.0000	1.67	qQ					24+55	0.0000	1.60	qQ				
19+55	0.0000	1.67	qQ					25+ 0	0.0000	1.60	qQ				
20+ 0	0.0000	1.67	qQ					25+ 5	0.0000	1.60	qQ				
20+ 5	0.0000	1.66	qQ					25+10	0.0000	1.60	qQ				
20+10	0.0000	1.66	qQ					25+15	0.0000	1.60	qQ				
20+15	0.0000	1.66	qQ					25+20	0.0000	1.60	qQ				
20+20	0.0000	1.66	qQ					25+25	0.0000	1.60	qQ				
20+25	0.0000	1.66	qQ					25+30	0.0000	1.60	qQ				
20+30	0.0000	1.66	qQ					25+35	0.0000	1.60	qQ				
20+35	0.0000	1.66	qQ					25+40	0.0000	1.59	qQ				
20+40	0.0000	1.66	qQ					25+45	0.0000	1.59	qQ				
20+45	0.0000	1.66	qQ					25+50	0.0000	1.59	qQ				
20+50	0.0000	1.65	qQ					25+55	0.0000	1.59	qQ				
20+55	0.0000	1.65	qQ					26+ 0	0.0000	1.59	qQ				
21+ 0	0.0000	1.65	qQ					26+ 5	0.0000	1.59	qQ				
21+ 5	0.0000	1.65	qQ					26+10	0.0000	1.59	qQ				
21+10	0.0000	1.65	qQ					26+15	0.0000	1.59	qQ				
21+15	0.0000	1.65	qQ					26+20	0.0000	1.58	qQ				
21+20	0.0000	1.65	qQ					26+25	0.0000	1.58	qQ				
21+25	0.0000	1.65	qQ					26+30	0.0000	1.58	qQ				
21+30	0.0000	1.65	qQ					26+35	0.0000	1.58	qQ				
21+35	0.0000	1.65	qQ					26+40	0.0000	1.58	qQ				
21+40	0.0000	1.64	qQ					26+45	0.0000	1.58	qQ				
21+45	0.0000	1.64	qQ					26+50	0.0000	1.58	qQ				
21+50	0.0000	1.64	qQ					26+55	0.0000	1.58	qQ				
21+55	0.0000	1.64	qQ					27+ 0	0.0000	1.58	qQ				
22+ 0	0.0000	1.64	qQ					27+ 5	0.0000	1.57	qQ				
22+ 5	0.0000	1.64	qQ					27+10	0.0000	1.57	qQ				
22+10	0.0000	1.64	qQ					27+15	0.0000	1.57	qQ				
22+15	0.0000	1.64	qQ					27+20	0.0000	1.57	qQ				
22+20	0.0000	1.64	qQ					27+25	0.0000	1.57	qQ				
22+25	0.0000	1.63	qQ					27+30	0.0000	1.57	qQ				
22+30	0.0000	1.63	qQ					27+35	0.0000	1.57	qQ				
22+35	0.0000	1.63	qQ					27+40	0.0000	1.57	qQ				
22+40	0.0000	1.63	qQ					27+45	0.0000	1.56	qQ				
22+45	0.0000	1.63	qQ					27+50	0.0000	1.56	qQ				
22+50	0.0000	1.63	qQ					27+55	0.0000	1.56	qQ				
22+55	0.0000	1.63	qQ					28+ 0	0.0000	1.56	qQ				
23+ 0	0.0000	1.63	qQ					28+ 5	0.0000	1.56	qQ				
23+ 5	0.0000	1.63	qQ					28+10	0.0000	1.56	qQ				
23+10	0.0000	1.63	qQ					28+15	0.0000	1.56	qQ				
23+15	0.0000	1.62	qQ					28+20	0.0000	1.56	qQ				
23+20	0.0000	1.62	qQ					28+25	0.0000	1.56	qQ				
23+25	0.0000	1.62	qQ					28+30	0.0000	1.55	qQ				
23+30	0.0000	1.62	qQ					28+35	0.0000	1.55	qQ				
23+35	0.0000	1.62	qQ					28+40	0.0000	1.55	qQ				
23+40	0.0000	1.62	qQ					28+45	0.0000	1.55	qQ				
23+45	0.0000	1.62	qQ					28+50	0.0000	1.55	qQ				
23+50	0.0000	1.62	qQ					28+55	0.0000	1.55	qQ				
23+55	0.0000	1.62	qQ					29+ 0	0.0000	1.55	qQ				
24+ 0	0.0000	1.62	qQ					29+ 5	0.0000	1.55	qQ				
24+ 5	0.0000	1.61	qQ					29+10	0.0000	1.55	qQ				
24+10	0.0000	1.61	qQ					29+15	0.0000	1.54	qQ				
24+15	0.0000	1.61	qQ					29+20	0.0000	1.54	qQ				

29+25	0.0000	1.54	qQ					34+30	0.0000	1.47	qQ				
29+30	0.0000	1.54	qQ					34+35	0.0000	1.47	qQ				
29+35	0.0000	1.54	qQ					34+40	0.0000	1.47	qQ				
29+40	0.0000	1.54	qQ					34+45	0.0000	1.47	qQ				
29+45	0.0000	1.54	qQ					34+50	0.0000	1.47	qQ				
29+50	0.0000	1.54	qQ					34+55	0.0000	1.47	qQ				
29+55	0.0000	1.53	qQ					35+ 0	0.0000	1.47	qQ				
30+ 0	0.0000	1.53	qQ					35+ 5	0.0000	1.47	qQ				
30+ 5	0.0000	1.53	qQ					35+10	0.0000	1.47	qQ				
30+10	0.0000	1.53	qQ					35+15	0.0000	1.46	qQ				
30+15	0.0000	1.53	qQ					35+20	0.0000	1.46	qQ				
30+20	0.0000	1.53	qQ					35+25	0.0000	1.46	qQ				
30+25	0.0000	1.53	qQ					35+30	0.0000	1.46	qQ				
30+30	0.0000	1.53	qQ					35+35	0.0000	1.46	qQ				
30+35	0.0000	1.53	qQ					35+40	0.0000	1.46	qQ				
30+40	0.0000	1.52	qQ					35+45	0.0000	1.46	qQ				
30+45	0.0000	1.52	qQ					35+50	0.0000	1.46	qQ				
30+50	0.0000	1.52	qQ					35+55	0.0000	1.46	qQ				
30+55	0.0000	1.52	qQ					36+ 0	0.0000	1.45	qQ				
31+ 0	0.0000	1.52	qQ					36+ 5	0.0000	1.45	qQ				
31+ 5	0.0000	1.52	qQ					36+10	0.0000	1.45	qQ				
31+10	0.0000	1.52	qQ					36+15	0.0000	1.45	qQ				
31+15	0.0000	1.52	qQ					36+20	0.0000	1.45	qQ				
31+20	0.0000	1.52	qQ					36+25	0.0000	1.45	qQ				
31+25	0.0000	1.51	qQ					36+30	0.0000	1.45	qQ				
31+30	0.0000	1.51	qQ					36+35	0.0000	1.45	qQ				
31+35	0.0000	1.51	qQ					36+40	0.0000	1.45	qQ				
31+40	0.0000	1.51	qQ					36+45	0.0000	1.44	qQ				
31+45	0.0000	1.51	qQ					36+50	0.0000	1.44	qQ				
31+50	0.0000	1.51	qQ					36+55	0.0000	1.44	qQ				
31+55	0.0000	1.51	qQ					37+ 0	0.0000	1.44	qQ				
32+ 0	0.0000	1.51	qQ					37+ 5	0.0000	1.44	qQ				
32+ 5	0.0000	1.51	qQ					37+10	0.0000	1.44	qQ				
32+10	0.0000	1.50	qQ					37+15	0.0000	1.44	qQ				
32+15	0.0000	1.50	qQ					37+20	0.0000	1.44	qQ				
32+20	0.0000	1.50	qQ					37+25	0.0000	1.44	qQ				
32+25	0.0000	1.50	qQ					37+30	0.0000	1.44	qQ				
32+30	0.0000	1.50	qQ					37+35	0.0000	1.43	qQ				
32+35	0.0000	1.50	qQ					37+40	0.0000	1.43	qQ				
32+40	0.0000	1.50	qQ					37+45	0.0000	1.43	qQ				
32+45	0.0000	1.50	qQ					37+50	0.0000	1.43	qQ				
32+50	0.0000	1.50	qQ					37+55	0.0000	1.43	qQ				
32+55	0.0000	1.49	qQ					38+ 0	0.0000	1.43	qQ				
33+ 0	0.0000	1.49	qQ					38+ 5	0.0000	1.43	qQ				
33+ 5	0.0000	1.49	qQ					38+10	0.0000	1.43	qQ				
33+10	0.0000	1.49	qQ					38+15	0.0000	1.43	qQ				
33+15	0.0000	1.49	qQ					38+20	0.0000	1.42	qQ				
33+20	0.0000	1.49	qQ					38+25	0.0000	1.42	qQ				
33+25	0.0000	1.49	qQ					38+30	0.0000	1.42	qQ				
33+30	0.0000	1.49	qQ					38+35	0.0000	1.42	qQ				
33+35	0.0000	1.49	qQ					38+40	0.0000	1.42	qQ				
33+40	0.0000	1.48	qQ					38+45	0.0000	1.42	qQ				
33+45	0.0000	1.48	qQ					38+50	0.0000	1.42	qQ				
33+50	0.0000	1.48	qQ					38+55	0.0000	1.42	qQ				
33+55	0.0000	1.48	qQ					39+ 0	0.0000	1.42	qQ				
34+ 0	0.0000	1.48	qQ					39+ 5	0.0000	1.42	qQ				
34+ 5	0.0000	1.48	qQ					39+10	0.0000	1.41	qQ				
34+10	0.0000	1.48	qQ					39+15	0.0000	1.41	qQ				
34+15	0.0000	1.48	qQ					39+20	0.0000	1.41	qQ				
34+20	0.0000	1.48	qQ					39+25	0.0000	1.41	qQ				
34+25	0.0000	1.47	qQ					39+30	0.0000	1.41	qQ				

39+35	0.0000	1.41	qQ					44+40	0.0000	1.33	qQ				
39+40	0.0000	1.41	qQ					44+45	0.0000	1.33	qQ				
39+45	0.0000	1.41	qQ					44+50	0.0000	1.33	Q				
39+50	0.0000	1.40	qQ					44+55	0.0000	1.33	Q				
39+55	0.0000	1.40	qQ					45+ 0	0.0000	1.32	Q				
40+ 0	0.0000	1.40	qQ					45+ 5	0.0000	1.32	Q				
40+ 5	0.0000	1.40	qQ					45+10	0.0000	1.32	Q				
40+10	0.0000	1.40	qQ					45+15	0.0000	1.32	Q				
40+15	0.0000	1.40	qQ					45+20	0.0000	1.32	Q				
40+20	0.0000	1.40	qQ					45+25	0.0000	1.32	Q				
40+25	0.0000	1.40	qQ					45+30	0.0000	1.32	Q				
40+30	0.0000	1.39	qQ					45+35	0.0000	1.32	Q				
40+35	0.0000	1.39	qQ					45+40	0.0000	1.31	Q				
40+40	0.0000	1.39	qQ					45+45	0.0000	1.31	Q				
40+45	0.0000	1.39	qQ					45+50	0.0000	1.31	Q				
40+50	0.0000	1.39	qQ					45+55	0.0000	1.31	Q				
40+55	0.0000	1.39	qQ					46+ 0	0.0000	1.31	Q				
41+ 0	0.0000	1.39	qQ					46+ 5	0.0000	1.31	Q				
41+ 5	0.0000	1.38	qQ					46+10	0.0000	1.31	Q				
41+10	0.0000	1.38	qQ					46+15	0.0000	1.31	Q				
41+15	0.0000	1.38	qQ					46+20	0.0000	1.30	Q				
41+20	0.0000	1.38	qQ					46+25	0.0000	1.30	Q				
41+25	0.0000	1.38	qQ					46+30	0.0000	1.30	Q				
41+30	0.0000	1.38	qQ					46+35	0.0000	1.30	Q				
41+35	0.0000	1.38	qQ					46+40	0.0000	1.30	Q				
41+40	0.0000	1.38	qQ					46+45	0.0000	1.30	Q				
41+45	0.0000	1.37	qQ					46+50	0.0000	1.30	Q				
41+50	0.0000	1.37	qQ					46+55	0.0000	1.30	Q				
41+55	0.0000	1.37	qQ					47+ 0	0.0000	1.29	Q				
42+ 0	0.0000	1.37	qQ					47+ 5	0.0000	1.29	Q				
42+ 5	0.0000	1.37	qQ					47+10	0.0000	1.29	Q				
42+10	0.0000	1.37	qQ					47+15	0.0000	1.29	Q				
42+15	0.0000	1.37	qQ					47+20	0.0000	1.29	Q				
42+20	0.0000	1.37	qQ					47+25	0.0000	1.29	Q				
42+25	0.0000	1.36	qQ					47+30	0.0000	1.29	Q				
42+30	0.0000	1.36	qQ					47+35	0.0000	1.28	Q				
42+35	0.0000	1.36	qQ					47+40	0.0000	1.28	Q				
42+40	0.0000	1.36	qQ					47+45	0.0000	1.28	Q				
42+45	0.0000	1.36	qQ					47+50	0.0000	1.28	Q				
42+50	0.0000	1.36	qQ					47+55	0.0000	1.28	Q				
42+55	0.0000	1.36	qQ					48+ 0	0.0000	1.28	Q				
43+ 0	0.0000	1.35	qQ					48+ 5	0.0000	1.28	Q				
43+ 5	0.0000	1.35	qQ					48+10	0.0000	1.28	Q				
43+10	0.0000	1.35	qQ					48+15	0.0000	1.27	Q				
43+15	0.0000	1.35	qQ					48+20	0.0000	1.27	Q				
43+20	0.0000	1.35	qQ					48+25	0.0000	1.27	Q				
43+25	0.0000	1.35	qQ					48+30	0.0000	1.27	Q				
43+30	0.0000	1.35	qQ					48+35	0.0000	1.27	Q				
43+35	0.0000	1.35	qQ					48+40	0.0000	1.27	Q				
43+40	0.0000	1.34	qQ					48+45	0.0000	1.27	Q				
43+45	0.0000	1.34	qQ					48+50	0.0000	1.27	Q				
43+50	0.0000	1.34	qQ					48+55	0.0000	1.26	Q				
43+55	0.0000	1.34	qQ					49+ 0	0.0000	1.26	Q				
44+ 0	0.0000	1.34	qQ					49+ 5	0.0000	1.26	Q				
44+ 5	0.0000	1.34	qQ					49+10	0.0000	1.26	Q				
44+10	0.0000	1.34	qQ					49+15	0.0000	1.26	Q				
44+15	0.0000	1.34	qQ					49+20	0.0000	1.26	Q				
44+20	0.0000	1.33	qQ					49+25	0.0000	1.26	Q				
44+25	0.0000	1.33	qQ					49+30	0.0000	1.26	Q				
44+30	0.0000	1.33	qQ					49+35	0.0000	1.25	Q				
44+35	0.0000	1.33	qQ					49+40	0.0000	1.25	Q				

49+45	0.0000	1.25	Q					54+50	0.0000	1.17	Q								
49+50	0.0000	1.25	Q					54+55	0.0000	1.17	Q								
49+55	0.0000	1.25	Q					55+ 0	0.0000	1.17	Q								
50+ 0	0.0000	1.25	Q					55+ 5	0.0000	1.16	Q								
50+ 5	0.0000	1.25	Q					55+10	0.0000	1.16	Q								
50+10	0.0000	1.24	Q					55+15	0.0000	1.16	Q								
50+15	0.0000	1.24	Q					55+20	0.0000	1.16	Q								
50+20	0.0000	1.24	Q					55+25	0.0000	1.16	Q								
50+25	0.0000	1.24	Q					55+30	0.0000	1.16	Q								
50+30	0.0000	1.24	Q					55+35	0.0000	1.15	Q								
50+35	0.0000	1.24	Q					55+40	0.0000	1.15	Q								
50+40	0.0000	1.24	Q					55+45	0.0000	1.15	Q								
50+45	0.0000	1.24	Q					55+50	0.0000	1.15	Q								
50+50	0.0000	1.23	Q					55+55	0.0000	1.15	Q								
50+55	0.0000	1.23	Q					56+ 0	0.0000	1.15	Q								
51+ 0	0.0000	1.23	Q					56+ 5	0.0000	1.14	Q								
51+ 5	0.0000	1.23	Q					56+10	0.0000	1.14	Q								
51+10	0.0000	1.23	Q					56+15	0.0000	1.14	Q								
51+15	0.0000	1.23	Q					56+20	0.0000	1.14	Q								
51+20	0.0000	1.23	Q					56+25	0.0000	1.14	Q								
51+25	0.0000	1.23	Q					56+30	0.0000	1.14	Q								
51+30	0.0000	1.22	Q					56+35	0.0000	1.13	Q								
51+35	0.0000	1.22	Q					56+40	0.0000	1.13	Q								
51+40	0.0000	1.22	Q					56+45	0.0000	1.13	Q								
51+45	0.0000	1.22	Q					56+50	0.0000	1.13	Q								
51+50	0.0000	1.22	Q					56+55	0.0000	1.13	Q								
51+55	0.0000	1.22	Q					57+ 0	0.0000	1.13	Q								
52+ 0	0.0000	1.22	Q					57+ 5	0.0000	1.12	Q								
52+ 5	0.0000	1.22	Q					57+10	0.0000	1.12	Q								
52+10	0.0000	1.21	Q					57+15	0.0000	1.12	Q								
52+15	0.0000	1.21	Q					57+20	0.0000	1.12	Q								
52+20	0.0000	1.21	Q					57+25	0.0000	1.12	Q								
52+25	0.0000	1.21	Q					57+30	0.0000	1.12	Q								
52+30	0.0000	1.21	Q					57+35	0.0000	1.11	Q								
52+35	0.0000	1.21	Q					57+40	0.0000	1.11	Q								
52+40	0.0000	1.21	Q					57+45	0.0000	1.11	Q								
52+45	0.0000	1.21	Q					57+50	0.0000	1.11	Q								
52+50	0.0000	1.20	Q					57+55	0.0000	1.11	Q								
52+55	0.0000	1.20	Q					58+ 0	0.0000	1.11	Q								
53+ 0	0.0000	1.20	Q					58+ 5	0.0000	1.10	Q								
53+ 5	0.0000	1.20	Q					58+10	0.0000	1.10	Q								
53+10	0.0000	1.20	Q					58+15	0.0000	1.10	Q								
53+15	0.0000	1.20	Q					58+20	0.0000	1.10	Q								
53+20	0.0000	1.20	Q					58+25	0.0000	1.10	Q								
53+25	0.0000	1.20	Q					58+30	0.0000	1.10	Q								
53+30	0.0000	1.19	Q					58+35	0.0000	1.09	Q								
53+35	0.0000	1.19	Q					58+40	0.0000	1.09	Q								
53+40	0.0000	1.19	Q					58+45	0.0000	1.09	Q								
53+45	0.0000	1.19	Q					58+50	0.0000	1.09	Q								
53+50	0.0000	1.19	Q					58+55	0.0000	1.09	Q								
53+55	0.0000	1.19	Q					59+ 0	0.0000	1.09	Q								
54+ 0	0.0000	1.19	Q					59+ 5	0.0000	1.09	Q								
54+ 5	0.0000	1.18	Q					59+10	0.0000	1.08	Q								
54+10	0.0000	1.18	Q					59+15	0.0000	1.08	Q								
54+15	0.0000	1.18	Q					59+20	0.0000	1.08	Q								
54+20	0.0000	1.18	Q					59+25	0.0000	1.08	Q								
54+25	0.0000	1.18	Q					59+30	0.0000	1.08	Q								
54+30	0.0000	1.18	Q					59+35	0.0000	1.08	Q								
54+35	0.0000	1.17	Q					59+40	0.0000	1.07	Q								
54+40	0.0000	1.17	Q					59+45	0.0000	1.07	Q								
54+45	0.0000	1.17	Q					59+50	0.0000	1.07	Q								

59+55	0.0000	1.07	Q					65+ 0	0.0000	0.98	Q				
60+ 0	0.0000	1.07	Q					65+ 5	0.0000	0.98	Q				
60+ 5	0.0000	1.07	Q					65+10	0.0000	0.98	Q				
60+10	0.0000	1.06	Q					65+15	0.0000	0.97	Q				
60+15	0.0000	1.06	Q					65+20	0.0000	0.97	Q				
60+20	0.0000	1.06	Q					65+25	0.0000	0.97	Q				
60+25	0.0000	1.06	Q					65+30	0.0000	0.97	Q				
60+30	0.0000	1.06	Q					65+35	0.0000	0.97	Q				
60+35	0.0000	1.06	Q					65+40	0.0000	0.97	Q				
60+40	0.0000	1.06	Q					65+45	0.0000	0.97	Q				
60+45	0.0000	1.05	Q					65+50	0.0000	0.96	Q				
60+50	0.0000	1.05	Q					65+55	0.0000	0.96	Q				
60+55	0.0000	1.05	Q					66+ 0	0.0000	0.96	Q				
61+ 0	0.0000	1.05	Q					66+ 5	0.0000	0.96	Q				
61+ 5	0.0000	1.05	Q					66+10	0.0000	0.96	Q				
61+10	0.0000	1.05	Q					66+15	0.0000	0.96	Q				
61+15	0.0000	1.04	Q					66+20	0.0000	0.96	Q				
61+20	0.0000	1.04	Q					66+25	0.0000	0.95	Q				
61+25	0.0000	1.04	Q					66+30	0.0000	0.95	Q				
61+30	0.0000	1.04	Q					66+35	0.0000	0.95	Q				
61+35	0.0000	1.04	Q					66+40	0.0000	0.95	Q				
61+40	0.0000	1.04	Q					66+45	0.0000	0.95	Q				
61+45	0.0000	1.04	Q					66+50	0.0000	0.95	Q				
61+50	0.0000	1.03	Q					66+55	0.0000	0.95	Q				
61+55	0.0000	1.03	Q					67+ 0	0.0000	0.94	Q				
62+ 0	0.0000	1.03	Q					67+ 5	0.0000	0.94	Q				
62+ 5	0.0000	1.03	Q					67+10	0.0000	0.94	Q				
62+10	0.0000	1.03	Q					67+15	0.0000	0.94	Q				
62+15	0.0000	1.03	Q					67+20	0.0000	0.94	Q				
62+20	0.0000	1.02	Q					67+25	0.0000	0.94	Q				
62+25	0.0000	1.02	Q					67+30	0.0000	0.94	Q				
62+30	0.0000	1.02	Q					67+35	0.0000	0.93	Q				
62+35	0.0000	1.02	Q					67+40	0.0000	0.93	Q				
62+40	0.0000	1.02	Q					67+45	0.0000	0.93	Q				
62+45	0.0000	1.02	Q					67+50	0.0000	0.93	Q				
62+50	0.0000	1.02	Q					67+55	0.0000	0.93	Q				
62+55	0.0000	1.01	Q					68+ 0	0.0000	0.93	Q				
63+ 0	0.0000	1.01	Q					68+ 5	0.0000	0.93	Q				
63+ 5	0.0000	1.01	Q					68+10	0.0000	0.92	Q				
63+10	0.0000	1.01	Q					68+15	0.0000	0.92	Q				
63+15	0.0000	1.01	Q					68+20	0.0000	0.92	Q				
63+20	0.0000	1.01	Q					68+25	0.0000	0.92	Q				
63+25	0.0000	1.01	Q					68+30	0.0000	0.92	Q				
63+30	0.0000	1.00	Q					68+35	0.0000	0.92	Q				
63+35	0.0000	1.00	Q					68+40	0.0000	0.92	Q				
63+40	0.0000	1.00	Q					68+45	0.0000	0.92	Q				
63+45	0.0000	1.00	Q					68+50	0.0000	0.91	Q				
63+50	0.0000	1.00	Q					68+55	0.0000	0.91	Q				
63+55	0.0000	1.00	Q					69+ 0	0.0000	0.91	Q				
64+ 0	0.0000	1.00	Q					69+ 5	0.0000	0.91	Q				
64+ 5	0.0000	0.99	Q					69+10	0.0000	0.91	Q				
64+10	0.0000	0.99	Q					69+15	0.0000	0.91	Q				
64+15	0.0000	0.99	Q					69+20	0.0000	0.90	Q				
64+20	0.0000	0.99	Q					69+25	0.0000	0.90	Q				
64+25	0.0000	0.99	Q					69+30	0.0000	0.90	Q				
64+30	0.0000	0.99	Q					69+35	0.0000	0.90	Q				
64+35	0.0000	0.99	Q					69+40	0.0000	0.89	Q				
64+40	0.0000	0.98	Q					69+45	0.0000	0.89	Q				
64+45	0.0000	0.98	Q					69+50	0.0000	0.89	Q				
64+50	0.0000	0.98	Q					69+55	0.0000	0.89	Q				
64+55	0.0000	0.98	Q					70+ 0	0.0000	0.88	Q				

70+ 5	0.0000	0.88	Q					75+10	0.0000	0.76	Q				
70+10	0.0000	0.88	Q					75+15	0.0000	0.75	Q				
70+15	0.0000	0.88	Q					75+20	0.0000	0.75	Q				
70+20	0.0000	0.88	Q					75+25	0.0000	0.75	Q				
70+25	0.0000	0.87	Q					75+30	0.0000	0.75	Q				
70+30	0.0000	0.87	Q					75+35	0.0000	0.75	Q				
70+35	0.0000	0.87	Q					75+40	0.0000	0.74	Q				
70+40	0.0000	0.87	Q					75+45	0.0000	0.74	Q				
70+45	0.0000	0.86	Q					75+50	0.0000	0.74	Q				
70+50	0.0000	0.86	Q					75+55	0.0000	0.74	Q				
70+55	0.0000	0.86	Q					76+ 0	0.0000	0.74	Q				
71+ 0	0.0000	0.86	Q					76+ 5	0.0000	0.73	Q				
71+ 5	0.0000	0.86	Q					76+10	0.0000	0.73	Q				
71+10	0.0000	0.85	Q					76+15	0.0000	0.73	Q				
71+15	0.0000	0.85	Q					76+20	0.0000	0.73	Q				
71+20	0.0000	0.85	Q					76+25	0.0000	0.73	Q				
71+25	0.0000	0.85	Q					76+30	0.0000	0.72	Q				
71+30	0.0000	0.85	Q					76+35	0.0000	0.72	Q				
71+35	0.0000	0.84	Q					76+40	0.0000	0.72	Q				
71+40	0.0000	0.84	Q					76+45	0.0000	0.72	Q				
71+45	0.0000	0.84	Q					76+50	0.0000	0.72	Q				
71+50	0.0000	0.84	Q					76+55	0.0000	0.72	Q				
71+55	0.0000	0.83	Q					77+ 0	0.0000	0.71	Q				
72+ 0	0.0000	0.83	Q					77+ 5	0.0000	0.71	Q				
72+ 5	0.0000	0.83	Q					77+10	0.0000	0.71	Q				
72+10	0.0000	0.83	Q					77+15	0.0000	0.71	Q				
72+15	0.0000	0.83	Q					77+20	0.0000	0.71	Q				
72+20	0.0000	0.82	Q					77+25	0.0000	0.70	Q				
72+25	0.0000	0.82	Q					77+30	0.0000	0.70	Q				
72+30	0.0000	0.82	Q					77+35	0.0000	0.70	Q				
72+35	0.0000	0.82	Q					77+40	0.0000	0.70	Q				
72+40	0.0000	0.82	Q					77+45	0.0000	0.70	Q				
72+45	0.0000	0.81	Q					77+50	0.0000	0.70	Q				
72+50	0.0000	0.81	Q					77+55	0.0000	0.69	Q				
72+55	0.0000	0.81	Q					78+ 0	0.0000	0.69	Q				
73+ 0	0.0000	0.81	Q					78+ 5	0.0000	0.69	Q				
73+ 5	0.0000	0.80	Q					78+10	0.0000	0.69	Q				
73+10	0.0000	0.80	Q					78+15	0.0000	0.69	Q				
73+15	0.0000	0.80	Q					78+20	0.0000	0.69	Q				
73+20	0.0000	0.80	Q					78+25	0.0000	0.68	Q				
73+25	0.0000	0.80	Q					78+30	0.0000	0.68	Q				
73+30	0.0000	0.79	Q					78+35	0.0000	0.68	Q				
73+35	0.0000	0.79	Q					78+40	0.0000	0.68	Q				
73+40	0.0000	0.79	Q					78+45	0.0000	0.68	Q				
73+45	0.0000	0.79	Q					78+50	0.0000	0.67	Q				
73+50	0.0000	0.79	Q					78+55	0.0000	0.67	Q				
73+55	0.0000	0.78	Q					79+ 0	0.0000	0.67	Q				
74+ 0	0.0000	0.78	Q					79+ 5	0.0000	0.67	Q				
74+ 5	0.0000	0.78	Q					79+10	0.0000	0.67	Q				
74+10	0.0000	0.78	Q					79+15	0.0000	0.67	Q				
74+15	0.0000	0.78	Q					79+20	0.0000	0.66	Q				
74+20	0.0000	0.77	Q					79+25	0.0000	0.66	Q				
74+25	0.0000	0.77	Q					79+30	0.0000	0.66	Q				
74+30	0.0000	0.77	Q					79+35	0.0000	0.66	Q				
74+35	0.0000	0.77	Q					79+40	0.0000	0.66	Q				
74+40	0.0000	0.77	Q					79+45	0.0000	0.66	Q				
74+45	0.0000	0.76	Q					79+50	0.0000	0.65	Q				
74+50	0.0000	0.76	Q					79+55	0.0000	0.65	Q				
74+55	0.0000	0.76	Q					80+ 0	0.0000	0.65	Q				
75+ 0	0.0000	0.76	Q					80+ 5	0.0000	0.65	Q				
75+ 5	0.0000	0.76	Q					80+10	0.0000	0.65	Q				

80+15	0.0000	0.65	Q					85+20	0.0000	0.55	Q				
80+20	0.0000	0.64	Q					85+25	0.0000	0.55	Q				
80+25	0.0000	0.64	Q					85+30	0.0000	0.55	Q				
80+30	0.0000	0.64	Q					85+35	0.0000	0.55	Q				
80+35	0.0000	0.64	Q					85+40	0.0000	0.55	Q				
80+40	0.0000	0.64	Q					85+45	0.0000	0.55	Q				
80+45	0.0000	0.64	Q					85+50	0.0000	0.54	Q				
80+50	0.0000	0.63	Q					85+55	0.0000	0.54	Q				
80+55	0.0000	0.63	Q					86+ 0	0.0000	0.54	Q				
81+ 0	0.0000	0.63	Q					86+ 5	0.0000	0.54	Q				
81+ 5	0.0000	0.63	Q					86+10	0.0000	0.54	Q				
81+10	0.0000	0.63	Q					86+15	0.0000	0.54	Q				
81+15	0.0000	0.63	Q					86+20	0.0000	0.54	Q				
81+20	0.0000	0.62	Q					86+25	0.0000	0.53	Q				
81+25	0.0000	0.62	Q					86+30	0.0000	0.53	Q				
81+30	0.0000	0.62	Q					86+35	0.0000	0.53	Q				
81+35	0.0000	0.62	Q					86+40	0.0000	0.53	Q				
81+40	0.0000	0.62	Q					86+45	0.0000	0.53	Q				
81+45	0.0000	0.62	Q					86+50	0.0000	0.53	Q				
81+50	0.0000	0.62	Q					86+55	0.0000	0.53	Q				
81+55	0.0000	0.61	Q					87+ 0	0.0000	0.52	Q				
82+ 0	0.0000	0.61	Q					87+ 5	0.0000	0.52	Q				
82+ 5	0.0000	0.61	Q					87+10	0.0000	0.52	Q				
82+10	0.0000	0.61	Q					87+15	0.0000	0.52	Q				
82+15	0.0000	0.61	Q					87+20	0.0000	0.52	Q				
82+20	0.0000	0.61	Q					87+25	0.0000	0.52	Q				
82+25	0.0000	0.60	Q					87+30	0.0000	0.52	Q				
82+30	0.0000	0.60	Q					87+35	0.0000	0.52	Q				
82+35	0.0000	0.60	Q					87+40	0.0000	0.51	Q				
82+40	0.0000	0.60	Q					87+45	0.0000	0.51	Q				
82+45	0.0000	0.60	Q					87+50	0.0000	0.51	Q				
82+50	0.0000	0.60	Q					87+55	0.0000	0.51	Q				
82+55	0.0000	0.60	Q					88+ 0	0.0000	0.51	Q				
83+ 0	0.0000	0.59	Q					88+ 5	0.0000	0.51	Q				
83+ 5	0.0000	0.59	Q					88+10	0.0000	0.51	Q				
83+10	0.0000	0.59	Q					88+15	0.0000	0.51	Q				
83+15	0.0000	0.59	Q					88+20	0.0000	0.50	Q				
83+20	0.0000	0.59	Q					88+25	0.0000	0.50	Q				
83+25	0.0000	0.59	Q					88+30	0.0000	0.50	Q				
83+30	0.0000	0.58	Q					88+35	0.0000	0.50	Q				
83+35	0.0000	0.58	Q					88+40	0.0000	0.50	Q				
83+40	0.0000	0.58	Q					88+45	0.0000	0.49	Q				
83+45	0.0000	0.58	Q					88+50	0.0000	0.49	Q				
83+50	0.0000	0.58	Q					88+55	0.0000	0.49	Q				
83+55	0.0000	0.58	Q					89+ 0	0.0000	0.48	Q				
84+ 0	0.0000	0.58	Q					89+ 5	0.0000	0.48	Q				
84+ 5	0.0000	0.57	Q					89+10	0.0000	0.48	Q				
84+10	0.0000	0.57	Q					89+15	0.0000	0.47	Q				
84+15	0.0000	0.57	Q					89+20	0.0000	0.47	Q				
84+20	0.0000	0.57	Q					89+25	0.0000	0.47	Q				
84+25	0.0000	0.57	Q					89+30	0.0000	0.46	Q				
84+30	0.0000	0.57	Q					89+35	0.0000	0.46	Q				
84+35	0.0000	0.57	Q					89+40	0.0000	0.46	Q				
84+40	0.0000	0.56	Q					89+45	0.0000	0.45	Q				
84+45	0.0000	0.56	Q					89+50	0.0000	0.45	Q				
84+50	0.0000	0.56	Q					89+55	0.0000	0.45	Q				
84+55	0.0000	0.56	Q					90+ 0	0.0000	0.44	Q				
85+ 0	0.0000	0.56	Q					90+ 5	0.0000	0.44	Q				
85+ 5	0.0000	0.56	Q					90+10	0.0000	0.44	Q				
85+10	0.0000	0.56	Q					90+15	0.0000	0.43	Q				
85+15	0.0000	0.55	Q					90+20	0.0000	0.43	Q				

90+25	0.0000	0.43	Q					95+30	0.0000	0.27	Q				
90+30	0.0000	0.42	Q					95+35	0.0000	0.27	Q				
90+35	0.0000	0.42	Q					95+40	0.0000	0.27	Q				
90+40	0.0000	0.42	Q					95+45	0.0000	0.27	Q				
90+45	0.0000	0.41	Q					95+50	0.0000	0.27	Q				
90+50	0.0000	0.41	Q					95+55	0.0000	0.26	Q				
90+55	0.0000	0.41	Q					96+ 0	0.0000	0.26	Q				
91+ 0	0.0000	0.41	Q					96+ 5	0.0000	0.26	Q				
91+ 5	0.0000	0.40	Q					96+10	0.0000	0.26	Q				
91+10	0.0000	0.40	Q					96+15	0.0000	0.26	Q				
91+15	0.0000	0.40	Q					96+20	0.0000	0.25	Q				
91+20	0.0000	0.39	Q					96+25	0.0000	0.25	Q				
91+25	0.0000	0.39	Q					96+30	0.0000	0.25	Q				
91+30	0.0000	0.39	Q					96+35	0.0000	0.25	Q				
91+35	0.0000	0.39	Q					96+40	0.0000	0.25	Q				
91+40	0.0000	0.38	Q					96+45	0.0000	0.25	Q				
91+45	0.0000	0.38	Q					96+50	0.0000	0.24	Q				
91+50	0.0000	0.38	Q					96+55	0.0000	0.24	Q				
91+55	0.0000	0.37	Q					97+ 0	0.0000	0.24	Q				
92+ 0	0.0000	0.37	Q					97+ 5	0.0000	0.24	Q				
92+ 5	0.0000	0.37	Q					97+10	0.0000	0.24	Q				
92+10	0.0000	0.37	Q					97+15	0.0000	0.24	Q				
92+15	0.0000	0.36	Q					97+20	0.0000	0.23	Q				
92+20	0.0000	0.36	Q					97+25	0.0000	0.23	Q				
92+25	0.0000	0.36	Q					97+30	0.0000	0.23	Q				
92+30	0.0000	0.36	Q					97+35	0.0000	0.23	Q				
92+35	0.0000	0.35	Q					97+40	0.0000	0.23	Q				
92+40	0.0000	0.35	Q					97+45	0.0000	0.23	Q				
92+45	0.0000	0.35	Q					97+50	0.0000	0.22	Q				
92+50	0.0000	0.35	Q					97+55	0.0000	0.22	Q				
92+55	0.0000	0.34	Q					98+ 0	0.0000	0.22	Q				
93+ 0	0.0000	0.34	Q					98+ 5	0.0000	0.22	Q				
93+ 5	0.0000	0.34	Q					98+10	0.0000	0.22	Q				
93+10	0.0000	0.34	Q					98+15	0.0000	0.22	Q				
93+15	0.0000	0.33	Q					98+20	0.0000	0.21	Q				
93+20	0.0000	0.33	Q					98+25	0.0000	0.21	Q				
93+25	0.0000	0.33	Q					98+30	0.0000	0.21	Q				
93+30	0.0000	0.33	Q					98+35	0.0000	0.21	Q				
93+35	0.0000	0.32	Q					98+40	0.0000	0.21	Q				
93+40	0.0000	0.32	Q					98+45	0.0000	0.21	Q				
93+45	0.0000	0.32	Q					98+50	0.0000	0.21	Q				
93+50	0.0000	0.32	Q					98+55	0.0000	0.20	Q				
93+55	0.0000	0.31	Q					99+ 0	0.0000	0.20	Q				
94+ 0	0.0000	0.31	Q					99+ 5	0.0000	0.20	Q				
94+ 5	0.0000	0.31	Q					99+10	0.0000	0.20	Q				
94+10	0.0000	0.31	Q					99+15	0.0000	0.20	Q				
94+15	0.0000	0.31	Q					99+20	0.0000	0.20	Q				
94+20	0.0000	0.30	Q					99+25	0.0000	0.19	Q				
94+25	0.0000	0.30	Q					99+30	0.0000	0.19	Q				
94+30	0.0000	0.30	Q					99+35	0.0000	0.19	Q				
94+35	0.0000	0.30	Q					99+40	0.0000	0.19	Q				
94+40	0.0000	0.29	Q					99+45	0.0000	0.19	Q				
94+45	0.0000	0.29	Q					99+50	0.0000	0.19	Q				
94+50	0.0000	0.29	Q					99+55	0.0000	0.19	Q				
94+55	0.0000	0.29	Q					100+ 0	0.0000	0.19	Q				
95+ 0	0.0000	0.29	Q					100+ 5	0.0000	0.18	Q				
95+ 5	0.0000	0.28	Q					100+10	0.0000	0.18	Q				
95+10	0.0000	0.28	Q					100+15	0.0000	0.18	Q				
95+15	0.0000	0.28	Q					100+20	0.0000	0.18	Q				
95+20	0.0000	0.28	Q					100+25	0.0000	0.18	Q				
95+25	0.0000	0.28	Q					100+30	0.0000	0.18	Q				

100+35	0.0000	0.18	Q					105+40	0.0000	0.11	Q				
100+40	0.0000	0.17	Q					105+45	0.0000	0.11	Q				
100+45	0.0000	0.17	Q					105+50	0.0000	0.11	Q				
100+50	0.0000	0.17	Q					105+55	0.0000	0.11	Q				
100+55	0.0000	0.17	Q					106+ 0	0.0000	0.11	Q				
101+ 0	0.0000	0.17	Q					106+ 5	0.0000	0.11	Q				
101+ 5	0.0000	0.17	Q					106+10	0.0000	0.11	Q				
101+10	0.0000	0.17	Q					106+15	0.0000	0.11	Q				
101+15	0.0000	0.17	Q					106+20	0.0000	0.11	Q				
101+20	0.0000	0.16	Q					106+25	0.0000	0.11	Q				
101+25	0.0000	0.16	Q					106+30	0.0000	0.11	Q				
101+30	0.0000	0.16	Q					106+35	0.0000	0.10	Q				
101+35	0.0000	0.16	Q					106+40	0.0000	0.10	Q				
101+40	0.0000	0.16	Q					106+45	0.0000	0.10	Q				
101+45	0.0000	0.16	Q					106+50	0.0000	0.10	Q				
101+50	0.0000	0.16	Q					106+55	0.0000	0.10	Q				
101+55	0.0000	0.16	Q					107+ 0	0.0000	0.10	Q				
102+ 0	0.0000	0.16	Q					107+ 5	0.0000	0.10	Q				
102+ 5	0.0000	0.15	Q					107+10	0.0000	0.10	Q				
102+10	0.0000	0.15	Q					107+15	0.0000	0.10	Q				
102+15	0.0000	0.15	Q					107+20	0.0000	0.10	Q				
102+20	0.0000	0.15	Q					107+25	0.0000	0.10	Q				
102+25	0.0000	0.15	Q					107+30	0.0000	0.10	Q				
102+30	0.0000	0.15	Q					107+35	0.0000	0.10	Q				
102+35	0.0000	0.15	Q					107+40	0.0000	0.10	Q				
102+40	0.0000	0.15	Q					107+45	0.0000	0.09	Q				
102+45	0.0000	0.15	Q					107+50	0.0000	0.09	Q				
102+50	0.0000	0.14	Q					107+55	0.0000	0.09	Q				
102+55	0.0000	0.14	Q					108+ 0	0.0000	0.09	Q				
103+ 0	0.0000	0.14	Q					108+ 5	0.0000	0.09	Q				
103+ 5	0.0000	0.14	Q					108+10	0.0000	0.09	Q				
103+10	0.0000	0.14	Q					108+15	0.0000	0.09	Q				
103+15	0.0000	0.14	Q					108+20	0.0000	0.09	Q				
103+20	0.0000	0.14	Q					108+25	0.0000	0.09	Q				
103+25	0.0000	0.14	Q					108+30	0.0000	0.09	Q				
103+30	0.0000	0.14	Q					108+35	0.0000	0.09	Q				
103+35	0.0000	0.14	Q					108+40	0.0000	0.09	Q				
103+40	0.0000	0.13	Q					108+45	0.0000	0.09	Q				
103+45	0.0000	0.13	Q					108+50	0.0000	0.09	Q				
103+50	0.0000	0.13	Q					108+55	0.0000	0.09	Q				
103+55	0.0000	0.13	Q					109+ 0	0.0000	0.08	Q				
104+ 0	0.0000	0.13	Q					109+ 5	0.0000	0.08	Q				
104+ 5	0.0000	0.13	Q					109+10	0.0000	0.08	Q				
104+10	0.0000	0.13	Q					109+15	0.0000	0.08	Q				
104+15	0.0000	0.13	Q					109+20	0.0000	0.08	Q				
104+20	0.0000	0.13	Q					109+25	0.0000	0.08	Q				
104+25	0.0000	0.13	Q					109+30	0.0000	0.08	Q				
104+30	0.0000	0.13	Q					109+35	0.0000	0.08	Q				
104+35	0.0000	0.12	Q					109+40	0.0000	0.08	Q				
104+40	0.0000	0.12	Q					109+45	0.0000	0.08	Q				
104+45	0.0000	0.12	Q					109+50	0.0000	0.08	Q				
104+50	0.0000	0.12	Q					109+55	0.0000	0.08	Q				
104+55	0.0000	0.12	Q					110+ 0	0.0000	0.08	Q				
105+ 0	0.0000	0.12	Q					110+ 5	0.0000	0.08	Q				
105+ 5	0.0000	0.12	Q					110+10	0.0000	0.08	Q				
105+10	0.0000	0.12	Q					110+15	0.0000	0.08	Q				
105+15	0.0000	0.12	Q					110+20	0.0000	0.08	Q				
105+20	0.0000	0.12	Q					110+25	0.0000	0.07	Q				
105+25	0.0000	0.12	Q					110+30	0.0000	0.07	Q				
105+30	0.0000	0.11	Q					110+35	0.0000	0.07	Q				
105+35	0.0000	0.11	Q					110+40	0.0000	0.07	Q				

110+45	0.0000	0.07	Q					115+50	0.0000	0.05	Q				
110+50	0.0000	0.07	Q					115+55	0.0000	0.05	Q				
110+55	0.0000	0.07	Q					116+ 0	0.0000	0.05	Q				
111+ 0	0.0000	0.07	Q					116+ 5	0.0000	0.05	Q				
111+ 5	0.0000	0.07	Q					116+10	0.0000	0.05	Q				
111+10	0.0000	0.07	Q					116+15	0.0000	0.05	Q				
111+15	0.0000	0.07	Q					116+20	0.0000	0.04	Q				
111+20	0.0000	0.07	Q					116+25	0.0000	0.04	Q				
111+25	0.0000	0.07	Q					116+30	0.0000	0.04	Q				
111+30	0.0000	0.07	Q					116+35	0.0000	0.04	Q				
111+35	0.0000	0.07	Q					116+40	0.0000	0.04	Q				
111+40	0.0000	0.07	Q					116+45	0.0000	0.04	Q				
111+45	0.0000	0.07	Q					116+50	0.0000	0.04	Q				
111+50	0.0000	0.07	Q					116+55	0.0000	0.04	Q				
111+55	0.0000	0.07	Q					117+ 0	0.0000	0.04	Q				
112+ 0	0.0000	0.07	Q					117+ 5	0.0000	0.04	Q				
112+ 5	0.0000	0.06	Q					117+10	0.0000	0.04	Q				
112+10	0.0000	0.06	Q					117+15	0.0000	0.04	Q				
112+15	0.0000	0.06	Q					117+20	0.0000	0.04	Q				
112+20	0.0000	0.06	Q					117+25	0.0000	0.04	Q				
112+25	0.0000	0.06	Q					117+30	0.0000	0.04	Q				
112+30	0.0000	0.06	Q					117+35	0.0000	0.04	Q				
112+35	0.0000	0.06	Q					117+40	0.0000	0.04	Q				
112+40	0.0000	0.06	Q					117+45	0.0000	0.04	Q				
112+45	0.0000	0.06	Q					117+50	0.0000	0.04	Q				
112+50	0.0000	0.06	Q					117+55	0.0000	0.04	Q				
112+55	0.0000	0.06	Q					118+ 0	0.0000	0.04	Q				
113+ 0	0.0000	0.06	Q					118+ 5	0.0000	0.04	Q				
113+ 5	0.0000	0.06	Q					118+10	0.0000	0.04	Q				
113+10	0.0000	0.06	Q					118+15	0.0000	0.04	Q				
113+15	0.0000	0.06	Q					118+20	0.0000	0.04	Q				
113+20	0.0000	0.06	Q					118+25	0.0000	0.04	Q				
113+25	0.0000	0.06	Q					118+30	0.0000	0.04	Q				
113+30	0.0000	0.06	Q					118+35	0.0000	0.04	Q				
113+35	0.0000	0.06	Q					118+40	0.0000	0.04	Q				
113+40	0.0000	0.06	Q					118+45	0.0000	0.04	Q				
113+45	0.0000	0.06	Q					118+50	0.0000	0.04	Q				
113+50	0.0000	0.06	Q					118+55	0.0000	0.04	Q				
113+55	0.0000	0.06	Q					119+ 0	0.0000	0.04	Q				
114+ 0	0.0000	0.05	Q					119+ 5	0.0000	0.04	Q				
114+ 5	0.0000	0.05	Q					119+10	0.0000	0.03	Q				
114+10	0.0000	0.05	Q					119+15	0.0000	0.03	Q				
114+15	0.0000	0.05	Q					119+20	0.0000	0.03	Q				
114+20	0.0000	0.05	Q					119+25	0.0000	0.03	Q				
114+25	0.0000	0.05	Q					119+30	0.0000	0.03	Q				
114+30	0.0000	0.05	Q					119+35	0.0000	0.03	Q				
114+35	0.0000	0.05	Q					119+40	0.0000	0.03	Q				
114+40	0.0000	0.05	Q					119+45	0.0000	0.03	Q				
114+45	0.0000	0.05	Q					119+50	0.0000	0.03	Q				
114+50	0.0000	0.05	Q					119+55	0.0000	0.03	Q				
114+55	0.0000	0.05	Q					120+ 0	0.0000	0.03	Q				
115+ 0	0.0000	0.05	Q					120+ 5	0.0000	0.03	Q				
115+ 5	0.0000	0.05	Q					120+10	0.0000	0.03	Q				
115+10	0.0000	0.05	Q					120+15	0.0000	0.03	Q				
115+15	0.0000	0.05	Q					120+20	0.0000	0.03	Q				
115+20	0.0000	0.05	Q					120+25	0.0000	0.03	Q				
115+25	0.0000	0.05	Q					120+30	0.0000	0.03	Q				
115+30	0.0000	0.05	Q					120+35	0.0000	0.03	Q				
115+35	0.0000	0.05	Q					120+40	0.0000	0.03	Q				
115+40	0.0000	0.05	Q					120+45	0.0000	0.03	Q				
115+45	0.0000	0.05	Q					120+50	0.0000	0.03	Q				

120+55	0.0000	0.03	Q					126+ 0	0.0000	0.02	Q				
121+ 0	0.0000	0.03	Q					126+ 5	0.0000	0.02	Q				
121+ 5	0.0000	0.03	Q					126+10	0.0000	0.02	Q				
121+10	0.0000	0.03	Q					126+15	0.0000	0.02	Q				
121+15	0.0000	0.03	Q					126+20	0.0000	0.02	Q				
121+20	0.0000	0.03	Q					126+25	0.0000	0.02	Q				
121+25	0.0000	0.03	Q					126+30	0.0000	0.02	Q				
121+30	0.0000	0.03	Q					126+35	0.0000	0.02	Q				
121+35	0.0000	0.03	Q					126+40	0.0000	0.02	Q				
121+40	0.0000	0.03	Q					126+45	0.0000	0.02	Q				
121+45	0.0000	0.03	Q					126+50	0.0000	0.02	Q				
121+50	0.0000	0.03	Q					126+55	0.0000	0.02	Q				
121+55	0.0000	0.03	Q					127+ 0	0.0000	0.02	Q				
122+ 0	0.0000	0.03	Q					127+ 5	0.0000	0.02	Q				
122+ 5	0.0000	0.03	Q					127+10	0.0000	0.02	Q				
122+10	0.0000	0.03	Q					127+15	0.0000	0.02	Q				
122+15	0.0000	0.03	Q					127+20	0.0000	0.02	Q				
122+20	0.0000	0.03	Q					127+25	0.0000	0.02	Q				
122+25	0.0000	0.03	Q					127+30	0.0000	0.02	Q				
122+30	0.0000	0.03	Q					127+35	0.0000	0.02	Q				
122+35	0.0000	0.03	Q					127+40	0.0000	0.02	Q				
122+40	0.0000	0.03	Q					127+45	0.0000	0.02	Q				
122+45	0.0000	0.03	Q					127+50	0.0000	0.02	Q				
122+50	0.0000	0.03	Q					127+55	0.0000	0.02	Q				
122+55	0.0000	0.03	Q					128+ 0	0.0000	0.02	Q				
123+ 0	0.0000	0.03	Q					128+ 5	0.0000	0.02	Q				
123+ 5	0.0000	0.02	Q					128+10	0.0000	0.02	Q				
123+10	0.0000	0.02	Q					128+15	0.0000	0.02	Q				
123+15	0.0000	0.02	Q					128+20	0.0000	0.02	Q				
123+20	0.0000	0.02	Q					128+25	0.0000	0.02	Q				
123+25	0.0000	0.02	Q					128+30	0.0000	0.02	Q				
123+30	0.0000	0.02	Q					128+35	0.0000	0.02	Q				
123+35	0.0000	0.02	Q					128+40	0.0000	0.02	Q				
123+40	0.0000	0.02	Q					128+45	0.0000	0.02	Q				
123+45	0.0000	0.02	Q					128+50	0.0000	0.02	Q				
123+50	0.0000	0.02	Q					128+55	0.0000	0.01	Q				
123+55	0.0000	0.02	Q					129+ 0	0.0000	0.01	Q				
124+ 0	0.0000	0.02	Q					129+ 5	0.0000	0.01	Q				
124+ 5	0.0000	0.02	Q					129+10	0.0000	0.01	Q				
124+10	0.0000	0.02	Q					129+15	0.0000	0.01	Q				
124+15	0.0000	0.02	Q					129+20	0.0000	0.01	Q				
124+20	0.0000	0.02	Q					129+25	0.0000	0.01	Q				
124+25	0.0000	0.02	Q					129+30	0.0000	0.01	Q				
124+30	0.0000	0.02	Q					129+35	0.0000	0.01	Q				
124+35	0.0000	0.02	Q					129+40	0.0000	0.01	Q				
124+40	0.0000	0.02	Q					129+45	0.0000	0.01	Q				
124+45	0.0000	0.02	Q					129+50	0.0000	0.01	Q				
124+50	0.0000	0.02	Q					129+55	0.0000	0.01	Q				
124+55	0.0000	0.02	Q					130+ 0	0.0000	0.01	Q				
125+ 0	0.0000	0.02	Q					130+ 5	0.0000	0.01	Q				
125+ 5	0.0000	0.02	Q					130+10	0.0000	0.01	Q				
125+10	0.0000	0.02	Q					130+15	0.0000	0.01	Q				
125+15	0.0000	0.02	Q					130+20	0.0000	0.01	Q				
125+20	0.0000	0.02	Q					130+25	0.0000	0.01	Q				
125+25	0.0000	0.02	Q					130+30	0.0000	0.01	Q				
125+30	0.0000	0.02	Q					130+35	0.0000	0.01	Q				
125+35	0.0000	0.02	Q					130+40	0.0000	0.01	Q				
125+40	0.0000	0.02	Q					130+45	0.0000	0.01	Q				
125+45	0.0000	0.02	Q					130+50	0.0000	0.01	Q				
125+50	0.0000	0.02	Q					130+55	0.0000	0.01	Q				
125+55	0.0000	0.02	Q					131+ 0	0.0000	0.01	Q				

131+ 5	0.0000	0.01	Q				
131+10	0.0000	0.01	Q				
131+15	0.0000	0.01	Q				
131+20	0.0000	0.01	Q				
131+25	0.0000	0.01	Q				
131+30	0.0000	0.01	Q				
131+35	0.0000	0.01	Q				
131+40	0.0000	0.01	Q				
131+45	0.0000	0.01	Q				
131+50	0.0000	0.01	Q				
131+55	0.0000	0.01	Q				
132+ 0	0.0000	0.01	Q				
132+ 5	0.0000	0.01	Q				
132+10	0.0000	0.01	Q				
132+15	0.0000	0.01	Q				
132+20	0.0000	0.01	Q				
132+25	0.0000	0.01	Q				
132+30	0.0000	0.01	Q				
132+35	0.0000	0.01	Q				
132+40	0.0000	0.01	Q				
132+45	0.0000	0.01	Q				
132+50	0.0000	0.01	Q				
132+55	0.0000	0.01	Q				
133+ 0	0.0000	0.01	Q				
133+ 5	0.0000	0.01	Q				
133+10	0.0000	0.01	Q				
133+15	0.0000	0.01	Q				
133+20	0.0000	0.01	Q				
133+25	0.0000	0.01	Q				
133+30	0.0000	0.01	Q				
133+35	0.0000	0.01	Q				
133+40	0.0000	0.01	Q				
133+45	0.0000	0.01	Q				
133+50	0.0000	0.01	Q				
133+55	0.0000	0.01	Q				
134+ 0	0.0000	0.01	Q				
134+ 5	0.0000	0.01	Q				
134+10	0.0000	0.01	Q				
134+15	0.0000	0.01	Q				
134+20	0.0000	0.01	Q				
134+25	0.0000	0.01	Q				
134+30	0.0000	0.01	Q				
134+35	0.0000	0.01	Q				
134+40	0.0000	0.01	Q				
134+45	0.0000	0.01	Q				
134+50	0.0000	0.01	Q				
134+55	0.0000	0.01	Q				
135+ 0	0.0000	0.01	Q				
135+ 5	0.0000	0.01	Q				
135+10	0.0000	0.01	Q				
135+15	0.0000	0.01	Q				
135+20	0.0000	0.01	Q				
135+25	0.0000	0.01	Q				
135+30	0.0000	0.01	Q				
135+35	0.0000	0.01	Q				
135+40	0.0000	0.01	Q				
135+45	0.0000	0.01	Q				
135+50	0.0000	0.01	Q				
135+55	0.0000	0.01	Q				
136+ 0	0.0000	0.01	Q				
136+ 5	0.0000	0.01	Q				
136+10	0.0000	0.01	Q				
136+15	0.0000	0.01	Q				
136+20	0.0000	0.01	Q				
136+25	0.0000	0.01	Q				
136+30	0.0000	0.01	Q				
136+35	0.0000	0.01	Q				
136+40	0.0000	0.01	Q				
136+45	0.0000	0.01	Q				
136+50	0.0000	0.01	Q				
136+55	0.0000	0.01	Q				
137+ 0	0.0000	0.01	Q				
137+ 5	0.0000	0.01	Q				
137+10	0.0000	0.01	Q				
137+15	0.0000	0.01	Q				
137+20	0.0000	0.01	Q				
137+25	0.0000	0.01	Q				
137+30	0.0000	0.01	Q				
137+35	0.0000	0.01	Q				
137+40	0.0000	0.01	Q				
137+45	0.0000	0.01	Q				
137+50	0.0000	0.01	Q				
137+55	0.0000	0.01	Q				
138+ 0	0.0000	0.01	Q				
138+ 5	0.0000	0.01	Q				
138+10	0.0000	0.01	Q				
138+15	0.0000	0.01	Q				
138+20	0.0000	0.01	Q				
138+25	0.0000	0.01	Q				
138+30	0.0000	0.01	Q				
138+35	0.0000	0.01	Q				
138+40	0.0000	0.01	Q				
138+45	0.0000	0.01	Q				
138+50	0.0000	0.01	Q				
138+55	0.0000	0.01	Q				
139+ 0	0.0000	0.01	Q				
139+ 5	0.0000	0.01	Q				
139+10	0.0000	0.01	Q				
139+15	0.0000	0.01	Q				
139+20	0.0000	0.01	Q				
139+25	0.0000	0.01	Q				
139+30	0.0000	0.01	Q				
139+35	0.0000	0.01	Q				
139+40	0.0000	0.01	Q				
139+45	0.0000	0.01	Q				
139+50	0.0000	0.01	Q				
139+55	0.0000	0.01	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 1920
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 53.101 (CFS)
Total volume = 17.123 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station        3.300 to Point/Station        3.400
**** STREAM ROUTING SCS CONVEX METHOD ****
________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    410.00 (Ft.)
Elevation difference =   16.00 (Ft.)
Slope of channel =  0.039024 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   410.00(Ft.)   Elevation difference =  16.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =    10.751(CFS)
Given pipe size =     54.00(In.)
Calculated individual pipe flow  =    10.751(CFS)
Normal flow depth in pipe =    6.18(In.)
Flow top width inside pipe =   34.37(In.)
Critical depth could not be calculated.
Pipe flow velocity =     10.66(Ft/s)
Travel time through pipe =    0.64 min.


Pipe length  =   410.00(Ft.)   Elevation difference =  16.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =    53.101(CFS)
Given pipe size =     54.00(In.)
Calculated individual pipe flow  =    53.101(CFS)
Normal flow depth in pipe =   13.49(In.)
Flow top width inside pipe =   46.75(In.)
Critical Depth =    2.11(Ft.)
Pipe flow velocity =     17.11(Ft/s)
Travel time through pipe =    0.40 min.


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.9096   Travel time =   0.40 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   9.5069
        dt(routing time-step) =   0.36 (min.),   c* =   1.0000

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
             R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       13.3      26.6      39.8      53.1
------------------------------------------------------------------------
  0+ 5       0.0723      0.08  O         |         |         |         |
  0+10       0.4432      0.47  O         |         |         |         |
  0+15       0.6997      0.72  O         |         |         |         |
  0+20       0.8408      0.85  O         |         |         |         |
  0+25       0.9375      0.94  O         |         |         |         |
  0+30       1.0291      1.04  O         |         |         |         |
  0+35       1.1729      1.18  O         |         |         |         |
  0+40       1.2818      1.29  O         |         |         |         |
  0+45       1.3682      1.37  |O        |         |         |         |
  0+50       1.4344      1.44  |O        |         |         |         |
  0+55       1.4808      1.48  |O        |         |         |         |
  1+ 0       1.5321      1.54  |O        |         |         |         |
  1+ 5       1.6351      1.64  |O        |         |         |         |
  1+10       1.6993      1.70  |O        |         |         |         |
  1+15       1.7441      1.75  |O        |         |         |         |
  1+20       1.7815      1.78  |O        |         |         |         |
  1+25       1.8152      1.82  |O        |         |         |         |
  1+30       1.8479      1.85  |O        |         |         |         |
  1+35       1.8803      1.88  |O        |         |         |         |
  1+40       1.9121      1.91  |O        |         |         |         |
  1+45       1.9437      1.95  |O        |         |         |         |
  1+50       1.9751      1.98  |O        |         |         |         |
  1+55       2.0042      2.01  |O        |         |         |         |
  2+ 0       2.0422      2.05  |O        |         |         |         |
  2+ 5       2.1189      2.12  |O        |         |         |         |
  2+10       2.1162      2.12  |O        |         |         |         |
  2+15       2.1865      2.19  |O        |         |         |         |
  2+20       2.2317      2.23  |O        |         |         |         |
  2+25       2.2616      2.26  |O        |         |         |         |
  2+30       2.2872      2.29  |O        |         |         |         |
  2+35       2.3098      2.31  |O        |         |         |         |
  2+40       2.3312      2.33  |O        |         |         |         |
  2+45       2.3672      2.37  |O        |         |         |         |
  2+50       2.4587      2.47  |O        |         |         |         |
  2+55       2.5140      2.52  |O        |         |         |         |
  3+ 0       2.5503      2.55  |O        |         |         |         |
  3+ 5       2.5772      2.58  |O        |         |         |         |
  3+10       2.6240      2.63  |O        |         |         |         |
  3+15       2.7684      2.78  | O       |         |         |         |
  3+20       2.8465      2.85  | O       |         |         |         |
  3+25       2.9613      2.97  | O       |         |         |         |
  3+30       3.4122      3.45  | O       |         |         |         |
  3+35       4.0205      4.07  |  O      |         |         |         |
  3+40       4.6241      4.67  |  O      |         |         |         |
  3+45       4.9798      5.00  |  O      |         |         |         |
  3+50       5.4593      5.49  |   O     |         |         |         |
  3+55       5.7624      5.78  |   O     |         |         |         |
  4+ 0       6.2204      6.25  |   O     |         |         |         |
  4+ 5       6.5167      6.54  |   O     |         |         |         |
  4+10       7.0419      7.08  |    O    |         |         |         |
  4+15       7.6855      7.73  |    O    |         |         |         |
  4+20       8.3766      8.43  |     O   |         |         |         |
  4+25       9.0902      9.14  |     O   |         |         |         |
  4+30       9.7414      9.79  |      O  |         |         |         |
  4+35      10.1161     10.14  |      O  |         |         |         |
  4+40      10.6798     10.72  |       O |         |         |         |
  4+45      11.3405     11.39  |       O |         |         |         |
  4+50      11.9671     12.01  |        O|         |         |         |
  4+55      12.4333     12.47  |        O|         |         |         |
  5+ 0      13.6799     13.78  |         O         |         |         |
  5+ 5      16.3670     16.57  |         | O       |         |         |
  5+10      21.1225     21.48  |         |    OI   |         |         |
  5+15      26.8917     27.32  |         |         O         |         |
  5+20      32.6969     33.12  |         |         |   O     |         |
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| | | |

15+35	1.7168	1.72	O				
15+40	1.7159	1.72	O				
15+45	1.7150	1.71	O				
15+50	1.7140	1.71	O				
15+55	1.7131	1.71	O				
16+ 0	1.7122	1.71	O				
16+ 5	1.7113	1.71	O				
16+10	1.7104	1.71	O				
16+15	1.7095	1.71	O				
16+20	1.7086	1.71	O				
16+25	1.7077	1.71	O				
16+30	1.7068	1.71	O				
16+35	1.7059	1.71	O				
16+40	1.7050	1.70	O				
16+45	1.7041	1.70	O				
16+50	1.7032	1.70	O				
16+55	1.7023	1.70	O				
17+ 0	1.7014	1.70	O				
17+ 5	1.7005	1.70	O				
17+10	1.6996	1.70	O				
17+15	1.6986	1.70	O				
17+20	1.6977	1.70	O				
17+25	1.6968	1.70	O				
17+30	1.6959	1.70	O				
17+35	1.6950	1.69	O				
17+40	1.6941	1.69	O				
17+45	1.6932	1.69	O				
17+50	1.6923	1.69	O				
17+55	1.6914	1.69	O				
18+ 0	1.6905	1.69	O				
18+ 5	1.6895	1.69	O				
18+10	1.6885	1.69	O				
18+15	1.6874	1.69	O				
18+20	1.6864	1.69	O				
18+25	1.6853	1.69	O				
18+30	1.6842	1.68	O				
18+35	1.6832	1.68	O				
18+40	1.6821	1.68	O				
18+45	1.6810	1.68	O				
18+50	1.6800	1.68	O				
18+55	1.6789	1.68	O				
19+ 0	1.6778	1.68	O				
19+ 5	1.6768	1.68	O				
19+10	1.6757	1.68	O				
19+15	1.6746	1.67	O				
19+20	1.6736	1.67	O				
19+25	1.6725	1.67	O				
19+30	1.6715	1.67	O				
19+35	1.6704	1.67	O				
19+40	1.6693	1.67	O				
19+45	1.6683	1.67	O				
19+50	1.6672	1.67	O				
19+55	1.6662	1.67	O				
20+ 0	1.6651	1.67	O				
20+ 5	1.6641	1.66	O				
20+10	1.6630	1.66	O				
20+15	1.6619	1.66	O				
20+20	1.6609	1.66	O				
20+25	1.6598	1.66	O				
20+30	1.6588	1.66	O				
20+35	1.6577	1.66	O				
20+40	1.6567	1.66	O				
20+45	1.6556	1.66	O				
20+50	1.6546	1.65	O				
20+55	1.6535	1.65	O				
21+ 0	1.6525	1.65	O				
21+ 5	1.6514	1.65	O				
21+10	1.6504	1.65	O				
21+15	1.6493	1.65	O				
21+20	1.6483	1.65	O				
21+25	1.6473	1.65	O				
21+30	1.6462	1.65	O				
21+35	1.6452	1.65	O				
21+40	1.6441	1.64	O				
21+45	1.6431	1.64	O				
21+50	1.6420	1.64	O				
21+55	1.6410	1.64	O				
22+ 0	1.6400	1.64	O				
22+ 5	1.6389	1.64	O				
22+10	1.6379	1.64	O				
22+15	1.6368	1.64	O				
22+20	1.6358	1.64	O				
22+25	1.6348	1.63	O				
22+30	1.6337	1.63	O				
22+35	1.6327	1.63	O				
22+40	1.6316	1.63	O				
22+45	1.6306	1.63	O				
22+50	1.6296	1.63	O				
22+55	1.6285	1.63	O				
23+ 0	1.6275	1.63	O				
23+ 5	1.6265	1.63	O				
23+10	1.6255	1.63	O				
23+15	1.6244	1.62	O				
23+20	1.6234	1.62	O				
23+25	1.6224	1.62	O				
23+30	1.6213	1.62	O				
23+35	1.6203	1.62	O				
23+40	1.6193	1.62	O				
23+45	1.6182	1.62	O				
23+50	1.6172	1.62	O				
23+55	1.6162	1.62	O				
24+ 0	1.6152	1.62	O				
24+ 5	1.6141	1.61	O				
24+10	1.6131	1.61	O				
24+15	1.6121	1.61	O				
24+20	1.6111	1.61	O				
24+25	1.6101	1.61	O				
24+30	1.6090	1.61	O				
24+35	1.6080	1.61	O				
24+40	1.6070	1.61	O				
24+45	1.6060	1.61	O				
24+50	1.6050	1.60	O				
24+55	1.6039	1.60	O				
25+ 0	1.6029	1.60	O				
25+ 5	1.6019	1.60	O				
25+10	1.6009	1.60	O				
25+15	1.5998	1.60	O				
25+20	1.5986	1.60	O				
25+25	1.5975	1.60	O				
25+30	1.5963	1.60	O				
25+35	1.5951	1.60	O				
25+40	1.5940	1.59	O				

25+45	1.5928	1.59	|O	|	|	|	|
25+50	1.5916	1.59	|O	|	|	|	|
25+55	1.5904	1.59	|O	|	|	|	|
26+ 0	1.5893	1.59	|O	|	|	|	|
26+ 5	1.5881	1.59	|O	|	|	|	|
26+10	1.5869	1.59	|O	|	|	|	|
26+15	1.5857	1.59	|O	|	|	|	|
26+20	1.5846	1.58	|O	|	|	|	|
26+25	1.5834	1.58	|O	|	|	|	|
26+30	1.5822	1.58	|O	|	|	|	|
26+35	1.5811	1.58	|O	|	|	|	|
26+40	1.5799	1.58	|O	|	|	|	|
26+45	1.5787	1.58	|O	|	|	|	|
26+50	1.5776	1.58	|O	|	|	|	|
26+55	1.5764	1.58	|O	|	|	|	|
27+ 0	1.5752	1.58	|O	|	|	|	|
27+ 5	1.5741	1.57	|O	|	|	|	|
27+10	1.5729	1.57	|O	|	|	|	|
27+15	1.5717	1.57	|O	|	|	|	|
27+20	1.5706	1.57	|O	|	|	|	|
27+25	1.5694	1.57	|O	|	|	|	|
27+30	1.5683	1.57	|O	|	|	|	|
27+35	1.5671	1.57	|O	|	|	|	|
27+40	1.5660	1.57	|O	|	|	|	|
27+45	1.5648	1.56	|O	|	|	|	|
27+50	1.5636	1.56	|O	|	|	|	|
27+55	1.5625	1.56	|O	|	|	|	|
28+ 0	1.5613	1.56	|O	|	|	|	|
28+ 5	1.5602	1.56	|O	|	|	|	|
28+10	1.5590	1.56	|O	|	|	|	|
28+15	1.5579	1.56	|O	|	|	|	|
28+20	1.5567	1.56	|O	|	|	|	|
28+25	1.5556	1.56	|O	|	|	|	|
28+30	1.5544	1.55	|O	|	|	|	|
28+35	1.5533	1.55	|O	|	|	|	|
28+40	1.5521	1.55	|O	|	|	|	|
28+45	1.5510	1.55	|O	|	|	|	|
28+50	1.5498	1.55	|O	|	|	|	|
28+55	1.5487	1.55	|O	|	|	|	|
29+ 0	1.5476	1.55	|O	|	|	|	|
29+ 5	1.5464	1.55	|O	|	|	|	|
29+10	1.5453	1.55	|O	|	|	|	|
29+15	1.5441	1.54	|O	|	|	|	|
29+20	1.5430	1.54	|O	|	|	|	|
29+25	1.5419	1.54	|O	|	|	|	|
29+30	1.5407	1.54	|O	|	|	|	|
29+35	1.5396	1.54	|O	|	|	|	|
29+40	1.5384	1.54	|O	|	|	|	|
29+45	1.5373	1.54	|O	|	|	|	|
29+50	1.5362	1.54	|O	|	|	|	|
29+55	1.5350	1.53	|O	|	|	|	|
30+ 0	1.5339	1.53	|O	|	|	|	|
30+ 5	1.5328	1.53	|O	|	|	|	|
30+10	1.5316	1.53	|O	|	|	|	|
30+15	1.5305	1.53	|O	|	|	|	|
30+20	1.5294	1.53	|O	|	|	|	|
30+25	1.5283	1.53	|O	|	|	|	|
30+30	1.5271	1.53	|O	|	|	|	|
30+35	1.5260	1.53	|O	|	|	|	|
30+40	1.5249	1.52	|O	|	|	|	|
30+45	1.5237	1.52	|O	|	|	|	|
30+50	1.5226	1.52	|O	|	|	|	|
30+55	1.5215	1.52	|O	|	|	|	|
31+ 0	1.5204	1.52	|O	|	|	|	|
31+ 5	1.5193	1.52	|O	|	|	|	|
31+10	1.5181	1.52	|O	|	|	|	|
31+15	1.5170	1.52	|O	|	|	|	|
31+20	1.5159	1.52	|O	|	|	|	|
31+25	1.5148	1.51	|O	|	|	|	|
31+30	1.5137	1.51	|O	|	|	|	|
31+35	1.5125	1.51	|O	|	|	|	|
31+40	1.5114	1.51	|O	|	|	|	|
31+45	1.5103	1.51	|O	|	|	|	|
31+50	1.5092	1.51	|O	|	|	|	|
31+55	1.5081	1.51	|O	|	|	|	|
32+ 0	1.5070	1.51	|O	|	|	|	|
32+ 5	1.5059	1.51	|O	|	|	|	|
32+10	1.5047	1.50	|O	|	|	|	|
32+15	1.5036	1.50	|O	|	|	|	|
32+20	1.5025	1.50	|O	|	|	|	|
32+25	1.5014	1.50	|O	|	|	|	|
32+30	1.5003	1.50	|O	|	|	|	|
32+35	1.4992	1.50	|O	|	|	|	|
32+40	1.4981	1.50	|O	|	|	|	|
32+45	1.4970	1.50	|O	|	|	|	|
32+50	1.4959	1.50	|O	|	|	|	|
32+55	1.4948	1.49	|O	|	|	|	|
33+ 0	1.4937	1.49	|O	|	|	|	|
33+ 5	1.4926	1.49	|O	|	|	|	|
33+10	1.4915	1.49	|O	|	|	|	|
33+15	1.4904	1.49	|O	|	|	|	|
33+20	1.4893	1.49	|O	|	|	|	|
33+25	1.4882	1.49	|O	|	|	|	|
33+30	1.4871	1.49	|O	|	|	|	|
33+35	1.4860	1.49	|O	|	|	|	|
33+40	1.4849	1.48	|O	|	|	|	|
33+45	1.4838	1.48	|O	|	|	|	|
33+50	1.4827	1.48	|O	|	|	|	|
33+55	1.4816	1.48	|O	|	|	|	|
34+ 0	1.4805	1.48	|O	|	|	|	|
34+ 5	1.4794	1.48	|O	|	|	|	|
34+10	1.4783	1.48	|O	|	|	|	|
34+15	1.4772	1.48	|O	|	|	|	|
34+20	1.4761	1.48	|O	|	|	|	|
34+25	1.4750	1.47	|O	|	|	|	|
34+30	1.4739	1.47	|O	|	|	|	|
34+35	1.4729	1.47	|O	|	|	|	|
34+40	1.4718	1.47	|O	|	|	|	|
34+45	1.4707	1.47	|O	|	|	|	|
34+50	1.4696	1.47	|O	|	|	|	|
34+55	1.4685	1.47	|O	|	|	|	|
35+ 0	1.4674	1.47	|O	|	|	|	|
35+ 5	1.4663	1.47	|O	|	|	|	|
35+10	1.4653	1.47	|O	|	|	|	|
35+15	1.4642	1.46	|O	|	|	|	|
35+20	1.4631	1.46	|O	|	|	|	|
35+25	1.4620	1.46	|O	|	|	|	|
35+30	1.4609	1.46	|O	|	|	|	|
35+35	1.4599	1.46	|O	|	|	|	|
35+40	1.4588	1.46	|O	|	|	|	|
35+45	1.4577	1.46	|O	|	|	|	|
35+50	1.4566	1.46	|O	|	|	|	|

35+55	1.4556	1.46	|O	|	|	|	|
36+ 0	1.4545	1.45	|O	|	|	|	|
36+ 5	1.4534	1.45	|O	|	|	|	|
36+10	1.4523	1.45	|O	|	|	|	|
36+15	1.4513	1.45	|O	|	|	|	|
36+20	1.4502	1.45	|O	|	|	|	|
36+25	1.4491	1.45	|O	|	|	|	|
36+30	1.4481	1.45	|O	|	|	|	|
36+35	1.4470	1.45	|O	|	|	|	|
36+40	1.4459	1.45	|O	|	|	|	|
36+45	1.4448	1.44	|O	|	|	|	|
36+50	1.4438	1.44	|O	|	|	|	|
36+55	1.4427	1.44	|O	|	|	|	|
37+ 0	1.4417	1.44	|O	|	|	|	|
37+ 5	1.4406	1.44	|O	|	|	|	|
37+10	1.4395	1.44	|O	|	|	|	|
37+15	1.4385	1.44	|O	|	|	|	|
37+20	1.4374	1.44	|O	|	|	|	|
37+25	1.4363	1.44	|O	|	|	|	|
37+30	1.4353	1.44	|O	|	|	|	|
37+35	1.4342	1.43	|O	|	|	|	|
37+40	1.4332	1.43	|O	|	|	|	|
37+45	1.4321	1.43	|O	|	|	|	|
37+50	1.4310	1.43	|O	|	|	|	|
37+55	1.4300	1.43	|O	|	|	|	|
38+ 0	1.4289	1.43	|O	|	|	|	|
38+ 5	1.4279	1.43	|O	|	|	|	|
38+10	1.4268	1.43	|O	|	|	|	|
38+15	1.4258	1.43	|O	|	|	|	|
38+20	1.4247	1.42	|O	|	|	|	|
38+25	1.4237	1.42	|O	|	|	|	|
38+30	1.4226	1.42	|O	|	|	|	|
38+35	1.4216	1.42	|O	|	|	|	|
38+40	1.4205	1.42	|O	|	|	|	|
38+45	1.4195	1.42	|O	|	|	|	|
38+50	1.4184	1.42	|O	|	|	|	|
38+55	1.4174	1.42	|O	|	|	|	|
39+ 0	1.4163	1.42	|O	|	|	|	|
39+ 5	1.4153	1.42	|O	|	|	|	|
39+10	1.4142	1.41	|O	|	|	|	|
39+15	1.4132	1.41	|O	|	|	|	|
39+20	1.4121	1.41	|O	|	|	|	|
39+25	1.4111	1.41	|O	|	|	|	|
39+30	1.4099	1.41	|O	|	|	|	|
39+35	1.4087	1.41	|O	|	|	|	|
39+40	1.4074	1.41	|O	|	|	|	|
39+45	1.4061	1.41	|O	|	|	|	|
39+50	1.4047	1.40	|O	|	|	|	|
39+55	1.4034	1.40	|O	|	|	|	|
40+ 0	1.4021	1.40	|O	|	|	|	|
40+ 5	1.4007	1.40	|O	|	|	|	|
40+10	1.3994	1.40	|O	|	|	|	|
40+15	1.3981	1.40	|O	|	|	|	|
40+20	1.3968	1.40	|O	|	|	|	|
40+25	1.3954	1.40	|O	|	|	|	|
40+30	1.3941	1.39	|O	|	|	|	|
40+35	1.3928	1.39	|O	|	|	|	|
40+40	1.3915	1.39	|O	|	|	|	|
40+45	1.3901	1.39	|O	|	|	|	|
40+50	1.3888	1.39	|O	|	|	|	|
40+55	1.3875	1.39	|O	|	|	|	|
41+ 0	1.3862	1.39	|O	|	|	|	|
41+ 5	1.3849	1.38	|O	|	|	|	|
41+10	1.3836	1.38	|O	|	|	|	|
41+15	1.3823	1.38	|O	|	|	|	|
41+20	1.3809	1.38	|O	|	|	|	|
41+25	1.3796	1.38	|O	|	|	|	|
41+30	1.3783	1.38	|O	|	|	|	|
41+35	1.3770	1.38	|O	|	|	|	|
41+40	1.3757	1.38	|O	|	|	|	|
41+45	1.3744	1.37	|O	|	|	|	|
41+50	1.3731	1.37	|O	|	|	|	|
41+55	1.3718	1.37	|O	|	|	|	|
42+ 0	1.3705	1.37	|O	|	|	|	|
42+ 5	1.3692	1.37	|O	|	|	|	|
42+10	1.3679	1.37	|O	|	|	|	|
42+15	1.3666	1.37	|O	|	|	|	|
42+20	1.3653	1.37	|O	|	|	|	|
42+25	1.3640	1.36	|O	|	|	|	|
42+30	1.3627	1.36	|O	|	|	|	|
42+35	1.3614	1.36	|O	|	|	|	|
42+40	1.3601	1.36	|O	|	|	|	|
42+45	1.3588	1.36	|O	|	|	|	|
42+50	1.3575	1.36	|O	|	|	|	|
42+55	1.3563	1.36	|O	|	|	|	|
43+ 0	1.3550	1.35	|O	|	|	|	|
43+ 5	1.3537	1.35	|O	|	|	|	|
43+10	1.3524	1.35	|O	|	|	|	|
43+15	1.3511	1.35	|O	|	|	|	|
43+20	1.3498	1.35	|O	|	|	|	|
43+25	1.3486	1.35	|O	|	|	|	|
43+30	1.3473	1.35	|O	|	|	|	|
43+35	1.3460	1.35	|O	|	|	|	|
43+40	1.3447	1.34	|O	|	|	|	|
43+45	1.3434	1.34	|O	|	|	|	|
43+50	1.3422	1.34	|O	|	|	|	|
43+55	1.3409	1.34	|O	|	|	|	|
44+ 0	1.3396	1.34	|O	|	|	|	|
44+ 5	1.3383	1.34	|O	|	|	|	|
44+10	1.3371	1.34	|O	|	|	|	|
44+15	1.3358	1.34	|O	|	|	|	|
44+20	1.3345	1.33	|O	|	|	|	|
44+25	1.3333	1.33	|O	|	|	|	|
44+30	1.3320	1.33	|O	|	|	|	|
44+35	1.3307	1.33	|O	|	|	|	|
44+40	1.3295	1.33	|O	|	|	|	|
44+45	1.3282	1.33	|O	|	|	|	|
44+50	1.3270	1.33	O	|	|	|	|
44+55	1.3257	1.33	O	|	|	|	|
45+ 0	1.3244	1.32	O	|	|	|	|
45+ 5	1.3232	1.32	O	|	|	|	|
45+10	1.3219	1.32	O	|	|	|	|
45+15	1.3207	1.32	O	|	|	|	|
45+20	1.3194	1.32	O	|	|	|	|
45+25	1.3182	1.32	O	|	|	|	|
45+30	1.3169	1.32	O	|	|	|	|
45+35	1.3157	1.32	O	|	|	|	|
45+40	1.3144	1.31	O	|	|	|	|
45+45	1.3132	1.31	O	|	|	|	|
45+50	1.3119	1.31	O	|	|	|	|
45+55	1.3107	1.31	O	|	|	|	|
46+ 0	1.3094	1.31	O	|	|	|	|

46+ 5	1.3082	1.31	O				
46+10	1.3070	1.31	O				
46+15	1.3057	1.31	O				
46+20	1.3045	1.30	O				
46+25	1.3032	1.30	O				
46+30	1.3020	1.30	O				
46+35	1.3007	1.30	O				
46+40	1.2995	1.30	O				
46+45	1.2982	1.30	O				
46+50	1.2968	1.30	O				
46+55	1.2955	1.30	O				
47+ 0	1.2942	1.29	O				
47+ 5	1.2929	1.29	O				
47+10	1.2916	1.29	O				
47+15	1.2902	1.29	O				
47+20	1.2889	1.29	O				
47+25	1.2876	1.29	O				
47+30	1.2863	1.29	O				
47+35	1.2850	1.28	O				
47+40	1.2837	1.28	O				
47+45	1.2823	1.28	O				
47+50	1.2810	1.28	O				
47+55	1.2797	1.28	O				
48+ 0	1.2784	1.28	O				
48+ 5	1.2771	1.28	O				
48+10	1.2758	1.28	O				
48+15	1.2745	1.27	O				
48+20	1.2732	1.27	O				
48+25	1.2719	1.27	O				
48+30	1.2706	1.27	O				
48+35	1.2693	1.27	O				
48+40	1.2680	1.27	O				
48+45	1.2667	1.27	O				
48+50	1.2654	1.27	O				
48+55	1.2641	1.26	O				
49+ 0	1.2628	1.26	O				
49+ 5	1.2615	1.26	O				
49+10	1.2602	1.26	O				
49+15	1.2590	1.26	O				
49+20	1.2577	1.26	O				
49+25	1.2564	1.26	O				
49+30	1.2551	1.26	O				
49+35	1.2538	1.25	O				
49+40	1.2525	1.25	O				
49+45	1.2513	1.25	O				
49+50	1.2500	1.25	O				
49+55	1.2487	1.25	O				
50+ 0	1.2474	1.25	O				
50+ 5	1.2462	1.25	O				
50+10	1.2449	1.24	O				
50+15	1.2436	1.24	O				
50+20	1.2423	1.24	O				
50+25	1.2411	1.24	O				
50+30	1.2398	1.24	O				
50+35	1.2385	1.24	O				
50+40	1.2373	1.24	O				
50+45	1.2360	1.24	O				
50+50	1.2347	1.23	O				
50+55	1.2335	1.23	O				
51+ 0	1.2322	1.23	O				
51+ 5	1.2310	1.23	O				
51+10	1.2297	1.23	O				
51+15	1.2284	1.23	O				
51+20	1.2272	1.23	O				
51+25	1.2259	1.23	O				
51+30	1.2247	1.22	O				
51+35	1.2234	1.22	O				
51+40	1.2222	1.22	O				
51+45	1.2209	1.22	O				
51+50	1.2197	1.22	O				
51+55	1.2184	1.22	O				
52+ 0	1.2172	1.22	O				
52+ 5	1.2159	1.22	O				
52+10	1.2147	1.21	O				
52+15	1.2135	1.21	O				
52+20	1.2122	1.21	O				
52+25	1.2110	1.21	O				
52+30	1.2097	1.21	O				
52+35	1.2085	1.21	O				
52+40	1.2073	1.21	O				
52+45	1.2060	1.21	O				
52+50	1.2048	1.20	O				
52+55	1.2036	1.20	O				
53+ 0	1.2024	1.20	O				
53+ 5	1.2011	1.20	O				
53+10	1.1999	1.20	O				
53+15	1.1987	1.20	O				
53+20	1.1974	1.20	O				
53+25	1.1962	1.20	O				
53+30	1.1950	1.19	O				
53+35	1.1938	1.19	O				
53+40	1.1926	1.19	O				
53+45	1.1913	1.19	O				
53+50	1.1899	1.19	O				
53+55	1.1883	1.19	O				
54+ 0	1.1866	1.19	O				
54+ 5	1.1849	1.18	O				
54+10	1.1832	1.18	O				
54+15	1.1815	1.18	O				
54+20	1.1798	1.18	O				
54+25	1.1780	1.18	O				
54+30	1.1763	1.18	O				
54+35	1.1746	1.17	O				
54+40	1.1729	1.17	O				
54+45	1.1711	1.17	O				
54+50	1.1694	1.17	O				
54+55	1.1677	1.17	O				
55+ 0	1.1660	1.17	O				
55+ 5	1.1643	1.16	O				
55+10	1.1626	1.16	O				
55+15	1.1609	1.16	O				
55+20	1.1592	1.16	O				
55+25	1.1575	1.16	O				
55+30	1.1558	1.16	O				
55+35	1.1541	1.15	O				
55+40	1.1524	1.15	O				
55+45	1.1507	1.15	O				
55+50	1.1490	1.15	O				
55+55	1.1474	1.15	O				
56+ 0	1.1457	1.15	O				
56+ 5	1.1440	1.14	O				
56+10	1.1423	1.14	O				

56+15	1.1407	1.14	O					61+20	1.0431	1.04	O				
56+20	1.1390	1.14	O					61+25	1.0416	1.04	O				
56+25	1.1373	1.14	O					61+30	1.0401	1.04	O				
56+30	1.1357	1.14	O					61+35	1.0385	1.04	O				
56+35	1.1340	1.13	O					61+40	1.0370	1.04	O				
56+40	1.1323	1.13	O					61+45	1.0355	1.04	O				
56+45	1.1307	1.13	O					61+50	1.0340	1.03	O				
56+50	1.1290	1.13	O					61+55	1.0325	1.03	O				
56+55	1.1274	1.13	O					62+ 0	1.0310	1.03	O				
57+ 0	1.1257	1.13	O					62+ 5	1.0295	1.03	O				
57+ 5	1.1241	1.12	O					62+10	1.0279	1.03	O				
57+10	1.1224	1.12	O					62+15	1.0264	1.03	O				
57+15	1.1208	1.12	O					62+20	1.0249	1.02	O				
57+20	1.1191	1.12	O					62+25	1.0234	1.02	O				
57+25	1.1175	1.12	O					62+30	1.0219	1.02	O				
57+30	1.1159	1.12	O					62+35	1.0204	1.02	O				
57+35	1.1142	1.11	O					62+40	1.0190	1.02	O				
57+40	1.1126	1.11	O					62+45	1.0175	1.02	O				
57+45	1.1110	1.11	O					62+50	1.0160	1.02	O				
57+50	1.1093	1.11	O					62+55	1.0145	1.01	O				
57+55	1.1077	1.11	O					63+ 0	1.0130	1.01	O				
58+ 0	1.1061	1.11	O					63+ 5	1.0115	1.01	O				
58+ 5	1.1045	1.10	O					63+10	1.0100	1.01	O				
58+10	1.1029	1.10	O					63+15	1.0086	1.01	O				
58+15	1.1012	1.10	O					63+20	1.0071	1.01	O				
58+20	1.0996	1.10	O					63+25	1.0056	1.01	O				
58+25	1.0980	1.10	O					63+30	1.0041	1.00	O				
58+30	1.0964	1.10	O					63+35	1.0027	1.00	O				
58+35	1.0948	1.09	O					63+40	1.0012	1.00	O				
58+40	1.0932	1.09	O					63+45	0.9997	1.00	O				
58+45	1.0916	1.09	O					63+50	0.9983	1.00	O				
58+50	1.0900	1.09	O					63+55	0.9968	1.00	O				
58+55	1.0884	1.09	O					64+ 0	0.9953	1.00	O				
59+ 0	1.0868	1.09	O					64+ 5	0.9939	0.99	O				
59+ 5	1.0852	1.09	O					64+10	0.9924	0.99	O				
59+10	1.0836	1.08	O					64+15	0.9910	0.99	O				
59+15	1.0820	1.08	O					64+20	0.9895	0.99	O				
59+20	1.0805	1.08	O					64+25	0.9881	0.99	O				
59+25	1.0789	1.08	O					64+30	0.9866	0.99	O				
59+30	1.0773	1.08	O					64+35	0.9852	0.99	O				
59+35	1.0757	1.08	O					64+40	0.9837	0.98	O				
59+40	1.0741	1.07	O					64+45	0.9823	0.98	O				
59+45	1.0726	1.07	O					64+50	0.9809	0.98	O				
59+50	1.0710	1.07	O					64+55	0.9794	0.98	O				
59+55	1.0694	1.07	O					65+ 0	0.9780	0.98	O				
60+ 0	1.0679	1.07	O					65+ 5	0.9766	0.98	O				
60+ 5	1.0663	1.07	O					65+10	0.9751	0.98	O				
60+10	1.0647	1.06	O					65+15	0.9737	0.97	O				
60+15	1.0632	1.06	O					65+20	0.9723	0.97	O				
60+20	1.0616	1.06	O					65+25	0.9709	0.97	O				
60+25	1.0601	1.06	O					65+30	0.9694	0.97	O				
60+30	1.0585	1.06	O					65+35	0.9680	0.97	O				
60+35	1.0570	1.06	O					65+40	0.9666	0.97	O				
60+40	1.0554	1.06	O					65+45	0.9652	0.97	O				
60+45	1.0539	1.05	O					65+50	0.9638	0.96	O				
60+50	1.0523	1.05	O					65+55	0.9624	0.96	O				
60+55	1.0508	1.05	O					66+ 0	0.9609	0.96	O				
61+ 0	1.0493	1.05	O					66+ 5	0.9595	0.96	O				
61+ 5	1.0477	1.05	O					66+10	0.9581	0.96	O				
61+10	1.0462	1.05	O					66+15	0.9567	0.96	O				
61+15	1.0447	1.04	O					66+20	0.9553	0.96	O				

66+25	0.9539	0.95	O				
66+30	0.9525	0.95	O				
66+35	0.9511	0.95	O				
66+40	0.9497	0.95	O				
66+45	0.9484	0.95	O				
66+50	0.9470	0.95	O				
66+55	0.9456	0.95	O				
67+ 0	0.9442	0.94	O				
67+ 5	0.9428	0.94	O				
67+10	0.9414	0.94	O				
67+15	0.9401	0.94	O				
67+20	0.9387	0.94	O				
67+25	0.9373	0.94	O				
67+30	0.9359	0.94	O				
67+35	0.9346	0.93	O				
67+40	0.9332	0.93	O				
67+45	0.9318	0.93	O				
67+50	0.9305	0.93	O				
67+55	0.9291	0.93	O				
68+ 0	0.9277	0.93	O				
68+ 5	0.9264	0.93	O				
68+10	0.9250	0.92	O				
68+15	0.9237	0.92	O				
68+20	0.9223	0.92	O				
68+25	0.9210	0.92	O				
68+30	0.9196	0.92	O				
68+35	0.9183	0.92	O				
68+40	0.9169	0.92	O				
68+45	0.9156	0.92	O				
68+50	0.9142	0.91	O				
68+55	0.9129	0.91	O				
69+ 0	0.9115	0.91	O				
69+ 5	0.9098	0.91	O				
69+10	0.9078	0.91	O				
69+15	0.9056	0.91	O				
69+20	0.9034	0.90	O				
69+25	0.9011	0.90	O				
69+30	0.8988	0.90	O				
69+35	0.8965	0.90	O				
69+40	0.8942	0.89	O				
69+45	0.8920	0.89	O				
69+50	0.8897	0.89	O				
69+55	0.8874	0.89	O				
70+ 0	0.8851	0.88	O				
70+ 5	0.8829	0.88	O				
70+10	0.8806	0.88	O				
70+15	0.8784	0.88	O				
70+20	0.8761	0.88	O				
70+25	0.8739	0.87	O				
70+30	0.8716	0.87	O				
70+35	0.8694	0.87	O				
70+40	0.8672	0.87	O				
70+45	0.8650	0.86	O				
70+50	0.8628	0.86	O				
70+55	0.8606	0.86	O				
71+ 0	0.8584	0.86	O				
71+ 5	0.8562	0.86	O				
71+10	0.8540	0.85	O				
71+15	0.8518	0.85	O				
71+20	0.8496	0.85	O				
71+25	0.8474	0.85	O				
71+30	0.8453	0.85	O				
71+35	0.8431	0.84	O				
71+40	0.8410	0.84	O				
71+45	0.8388	0.84	O				
71+50	0.8367	0.84	O				
71+55	0.8345	0.83	O				
72+ 0	0.8324	0.83	O				
72+ 5	0.8303	0.83	O				
72+10	0.8281	0.83	O				
72+15	0.8260	0.83	O				
72+20	0.8239	0.82	O				
72+25	0.8218	0.82	O				
72+30	0.8197	0.82	O				
72+35	0.8176	0.82	O				
72+40	0.8155	0.82	O				
72+45	0.8134	0.81	O				
72+50	0.8113	0.81	O				
72+55	0.8093	0.81	O				
73+ 0	0.8072	0.81	O				
73+ 5	0.8051	0.80	O				
73+10	0.8031	0.80	O				
73+15	0.8010	0.80	O				
73+20	0.7990	0.80	O				
73+25	0.7969	0.80	O				
73+30	0.7949	0.79	O				
73+35	0.7929	0.79	O				
73+40	0.7908	0.79	O				
73+45	0.7888	0.79	O				
73+50	0.7868	0.79	O				
73+55	0.7848	0.78	O				
74+ 0	0.7828	0.78	O				
74+ 5	0.7808	0.78	O				
74+10	0.7788	0.78	O				
74+15	0.7768	0.78	O				
74+20	0.7748	0.77	O				
74+25	0.7728	0.77	O				
74+30	0.7708	0.77	O				
74+35	0.7689	0.77	O				
74+40	0.7669	0.77	O				
74+45	0.7650	0.76	O				
74+50	0.7630	0.76	O				
74+55	0.7610	0.76	O				
75+ 0	0.7591	0.76	O				
75+ 5	0.7572	0.76	O				
75+10	0.7552	0.76	O				
75+15	0.7533	0.75	O				
75+20	0.7514	0.75	O				
75+25	0.7494	0.75	O				
75+30	0.7475	0.75	O				
75+35	0.7456	0.75	O				
75+40	0.7437	0.74	O				
75+45	0.7418	0.74	O				
75+50	0.7399	0.74	O				
75+55	0.7380	0.74	O				
76+ 0	0.7361	0.74	O				
76+ 5	0.7343	0.73	O				
76+10	0.7324	0.73	O				
76+15	0.7305	0.73	O				
76+20	0.7286	0.73	O				
76+25	0.7268	0.73	O				
76+30	0.7249	0.72	O				

76+35	0.7231	0.72	O					81+40	0.6185	0.62	O				
76+40	0.7212	0.72	O					81+45	0.6169	0.62	O				
76+45	0.7194	0.72	O					81+50	0.6154	0.62	O				
76+50	0.7175	0.72	O					81+55	0.6138	0.61	O				
76+55	0.7157	0.72	O					82+ 0	0.6122	0.61	O				
77+ 0	0.7139	0.71	O					82+ 5	0.6107	0.61	O				
77+ 5	0.7120	0.71	O					82+10	0.6091	0.61	O				
77+10	0.7102	0.71	O					82+15	0.6075	0.61	O				
77+15	0.7084	0.71	O					82+20	0.6060	0.61	O				
77+20	0.7066	0.71	O					82+25	0.6044	0.60	O				
77+25	0.7048	0.70	O					82+30	0.6029	0.60	O				
77+30	0.7030	0.70	O					82+35	0.6013	0.60	O				
77+35	0.7012	0.70	O					82+40	0.5998	0.60	O				
77+40	0.6994	0.70	O					82+45	0.5983	0.60	O				
77+45	0.6976	0.70	O					82+50	0.5967	0.60	O				
77+50	0.6958	0.70	O					82+55	0.5952	0.60	O				
77+55	0.6940	0.69	O					83+ 0	0.5937	0.59	O				
78+ 0	0.6923	0.69	O					83+ 5	0.5922	0.59	O				
78+ 5	0.6905	0.69	O					83+10	0.5907	0.59	O				
78+10	0.6887	0.69	O					83+15	0.5892	0.59	O				
78+15	0.6870	0.69	O					83+20	0.5876	0.59	O				
78+20	0.6852	0.69	O					83+25	0.5861	0.59	O				
78+25	0.6835	0.68	O					83+30	0.5846	0.58	O				
78+30	0.6817	0.68	O					83+35	0.5832	0.58	O				
78+35	0.6800	0.68	O					83+40	0.5817	0.58	O				
78+40	0.6782	0.68	O					83+45	0.5802	0.58	O				
78+45	0.6765	0.68	O					83+50	0.5787	0.58	O				
78+50	0.6748	0.67	O					83+55	0.5772	0.58	O				
78+55	0.6730	0.67	O					84+ 0	0.5757	0.58	O				
79+ 0	0.6713	0.67	O					84+ 5	0.5743	0.57	O				
79+ 5	0.6696	0.67	O					84+10	0.5728	0.57	O				
79+10	0.6679	0.67	O					84+15	0.5713	0.57	O				
79+15	0.6662	0.67	O					84+20	0.5699	0.57	O				
79+20	0.6645	0.66	O					84+25	0.5684	0.57	O				
79+25	0.6628	0.66	O					84+30	0.5670	0.57	O				
79+30	0.6611	0.66	O					84+35	0.5655	0.57	O				
79+35	0.6594	0.66	O					84+40	0.5641	0.56	O				
79+40	0.6577	0.66	O					84+45	0.5626	0.56	O				
79+45	0.6560	0.66	O					84+50	0.5612	0.56	O				
79+50	0.6544	0.65	O					84+55	0.5598	0.56	O				
79+55	0.6527	0.65	O					85+ 0	0.5583	0.56	O				
80+ 0	0.6510	0.65	O					85+ 5	0.5569	0.56	O				
80+ 5	0.6493	0.65	O					85+10	0.5555	0.56	O				
80+10	0.6477	0.65	O					85+15	0.5540	0.55	O				
80+15	0.6460	0.65	O					85+20	0.5526	0.55	O				
80+20	0.6444	0.64	O					85+25	0.5512	0.55	O				
80+25	0.6427	0.64	O					85+30	0.5498	0.55	O				
80+30	0.6411	0.64	O					85+35	0.5484	0.55	O				
80+35	0.6395	0.64	O					85+40	0.5470	0.55	O				
80+40	0.6378	0.64	O					85+45	0.5456	0.55	O				
80+45	0.6362	0.64	O					85+50	0.5442	0.54	O				
80+50	0.6346	0.63	O					85+55	0.5428	0.54	O				
80+55	0.6329	0.63	O					86+ 0	0.5414	0.54	O				
81+ 0	0.6313	0.63	O					86+ 5	0.5400	0.54	O				
81+ 5	0.6297	0.63	O					86+10	0.5387	0.54	O				
81+10	0.6281	0.63	O					86+15	0.5373	0.54	O				
81+15	0.6265	0.63	O					86+20	0.5359	0.54	O				
81+20	0.6249	0.62	O					86+25	0.5345	0.53	O				
81+25	0.6233	0.62	O					86+30	0.5332	0.53	O				
81+30	0.6217	0.62	O					86+35	0.5318	0.53	O				
81+35	0.6201	0.62	O					86+40	0.5305	0.53	O				

86+45	0.5291	0.53	O					91+50	0.3771	0.38	O				
86+50	0.5277	0.53	O					91+55	0.3744	0.37	O				
86+55	0.5264	0.53	O					92+ 0	0.3717	0.37	O				
87+ 0	0.5250	0.52	O					92+ 5	0.3690	0.37	O				
87+ 5	0.5237	0.52	O					92+10	0.3664	0.37	O				
87+10	0.5224	0.52	O					92+15	0.3637	0.36	O				
87+15	0.5210	0.52	O					92+20	0.3611	0.36	O				
87+20	0.5197	0.52	O					92+25	0.3585	0.36	O				
87+25	0.5184	0.52	O					92+30	0.3559	0.36	O				
87+30	0.5170	0.52	O					92+35	0.3533	0.35	O				
87+35	0.5157	0.52	O					92+40	0.3508	0.35	O				
87+40	0.5144	0.51	O					92+45	0.3482	0.35	O				
87+45	0.5131	0.51	O					92+50	0.3457	0.35	O				
87+50	0.5118	0.51	O					92+55	0.3432	0.34	O				
87+55	0.5105	0.51	O					93+ 0	0.3407	0.34	O				
88+ 0	0.5092	0.51	O					93+ 5	0.3383	0.34	O				
88+ 5	0.5079	0.51	O					93+10	0.3358	0.34	O				
88+10	0.5066	0.51	O					93+15	0.3334	0.33	O				
88+15	0.5053	0.51	O					93+20	0.3310	0.33	O				
88+20	0.5040	0.50	O					93+25	0.3286	0.33	O				
88+25	0.5027	0.50	O					93+30	0.3262	0.33	O				
88+30	0.5012	0.50	O					93+35	0.3239	0.32	O				
88+35	0.4990	0.50	O					93+40	0.3215	0.32	O				
88+40	0.4961	0.50	O					93+45	0.3192	0.32	O				
88+45	0.4928	0.49	O					93+50	0.3169	0.32	O				
88+50	0.4894	0.49	O					93+55	0.3146	0.31	O				
88+55	0.4860	0.49	O					94+ 0	0.3123	0.31	O				
89+ 0	0.4825	0.48	O					94+ 5	0.3101	0.31	O				
89+ 5	0.4790	0.48	O					94+10	0.3079	0.31	O				
89+10	0.4756	0.48	O					94+15	0.3056	0.31	O				
89+15	0.4722	0.47	O					94+20	0.3034	0.30	O				
89+20	0.4688	0.47	O					94+25	0.3012	0.30	O				
89+25	0.4654	0.47	O					94+30	0.2991	0.30	O				
89+30	0.4620	0.46	O					94+35	0.2969	0.30	O				
89+35	0.4587	0.46	O					94+40	0.2947	0.29	O				
89+40	0.4554	0.46	O					94+45	0.2926	0.29	O				
89+45	0.4521	0.45	O					94+50	0.2905	0.29	O				
89+50	0.4488	0.45	O					94+55	0.2884	0.29	O				
89+55	0.4456	0.45	O					95+ 0	0.2863	0.29	O				
90+ 0	0.4423	0.44	O					95+ 5	0.2843	0.28	O				
90+ 5	0.4392	0.44	O					95+10	0.2822	0.28	O				
90+10	0.4360	0.44	O					95+15	0.2802	0.28	O				
90+15	0.4328	0.43	O					95+20	0.2781	0.28	O				
90+20	0.4297	0.43	O					95+25	0.2761	0.28	O				
90+25	0.4266	0.43	O					95+30	0.2741	0.27	O				
90+30	0.4235	0.42	O					95+35	0.2722	0.27	O				
90+35	0.4205	0.42	O					95+40	0.2702	0.27	O				
90+40	0.4174	0.42	O					95+45	0.2682	0.27	O				
90+45	0.4144	0.41	O					95+50	0.2663	0.27	O				
90+50	0.4114	0.41	O					95+55	0.2644	0.26	O				
90+55	0.4084	0.41	O					96+ 0	0.2625	0.26	O				
91+ 0	0.4055	0.41	O					96+ 5	0.2606	0.26	O				
91+ 5	0.4026	0.40	O					96+10	0.2587	0.26	O				
91+10	0.3997	0.40	O					96+15	0.2568	0.26	O				
91+15	0.3968	0.40	O					96+20	0.2550	0.25	O				
91+20	0.3939	0.39	O					96+25	0.2531	0.25	O				
91+25	0.3911	0.39	O					96+30	0.2513	0.25	O				
91+30	0.3882	0.39	O					96+35	0.2495	0.25	O				
91+35	0.3854	0.39	O					96+40	0.2477	0.25	O				
91+40	0.3826	0.38	O					96+45	0.2459	0.25	O				
91+45	0.3799	0.38	O					96+50	0.2441	0.24	O				

96+55	0.2423	0.24	O					102+ 0	0.1557	0.16	O				
97+ 0	0.2406	0.24	O					102+ 5	0.1546	0.15	O				
97+ 5	0.2389	0.24	O					102+10	0.1535	0.15	O				
97+10	0.2371	0.24	O					102+15	0.1524	0.15	O				
97+15	0.2354	0.24	O					102+20	0.1513	0.15	O				
97+20	0.2337	0.23	O					102+25	0.1502	0.15	O				
97+25	0.2320	0.23	O					102+30	0.1491	0.15	O				
97+30	0.2304	0.23	O					102+35	0.1480	0.15	O				
97+35	0.2287	0.23	O					102+40	0.1470	0.15	O				
97+40	0.2270	0.23	O					102+45	0.1459	0.15	O				
97+45	0.2254	0.23	O					102+50	0.1448	0.14	O				
97+50	0.2238	0.22	O					102+55	0.1438	0.14	O				
97+55	0.2222	0.22	O					103+ 0	0.1428	0.14	O				
98+ 0	0.2206	0.22	O					103+ 5	0.1417	0.14	O				
98+ 5	0.2190	0.22	O					103+10	0.1407	0.14	O				
98+10	0.2174	0.22	O					103+15	0.1397	0.14	O				
98+15	0.2158	0.22	O					103+20	0.1387	0.14	O				
98+20	0.2142	0.21	O					103+25	0.1377	0.14	O				
98+25	0.2127	0.21	O					103+30	0.1367	0.14	O				
98+30	0.2112	0.21	O					103+35	0.1357	0.14	O				
98+35	0.2096	0.21	O					103+40	0.1347	0.13	O				
98+40	0.2081	0.21	O					103+45	0.1337	0.13	O				
98+45	0.2066	0.21	O					103+50	0.1328	0.13	O				
98+50	0.2051	0.21	O					103+55	0.1318	0.13	O				
98+55	0.2036	0.20	O					104+ 0	0.1309	0.13	O				
99+ 0	0.2022	0.20	O					104+ 5	0.1299	0.13	O				
99+ 5	0.2007	0.20	O					104+10	0.1290	0.13	O				
99+10	0.1993	0.20	O					104+15	0.1280	0.13	O				
99+15	0.1978	0.20	O					104+20	0.1271	0.13	O				
99+20	0.1964	0.20	O					104+25	0.1262	0.13	O				
99+25	0.1950	0.19	O					104+30	0.1253	0.13	O				
99+30	0.1936	0.19	O					104+35	0.1244	0.12	O				
99+35	0.1922	0.19	O					104+40	0.1235	0.12	O				
99+40	0.1908	0.19	O					104+45	0.1226	0.12	O				
99+45	0.1894	0.19	O					104+50	0.1217	0.12	O				
99+50	0.1880	0.19	O					104+55	0.1208	0.12	O				
99+55	0.1867	0.19	O					105+ 0	0.1200	0.12	O				
100+ 0	0.1853	0.19	O					105+ 5	0.1191	0.12	O				
100+ 5	0.1840	0.18	O					105+10	0.1182	0.12	O				
100+10	0.1827	0.18	O					105+15	0.1174	0.12	O				
100+15	0.1813	0.18	O					105+20	0.1165	0.12	O				
100+20	0.1800	0.18	O					105+25	0.1157	0.12	O				
100+25	0.1787	0.18	O					105+30	0.1149	0.11	O				
100+30	0.1774	0.18	O					105+35	0.1140	0.11	O				
100+35	0.1762	0.18	O					105+40	0.1132	0.11	O				
100+40	0.1749	0.17	O					105+45	0.1124	0.11	O				
100+45	0.1736	0.17	O					105+50	0.1116	0.11	O				
100+50	0.1724	0.17	O					105+55	0.1108	0.11	O				
100+55	0.1711	0.17	O					106+ 0	0.1100	0.11	O				
101+ 0	0.1699	0.17	O					106+ 5	0.1092	0.11	O				
101+ 5	0.1687	0.17	O					106+10	0.1084	0.11	O				
101+10	0.1674	0.17	O					106+15	0.1076	0.11	O				
101+15	0.1662	0.17	O					106+20	0.1068	0.11	O				
101+20	0.1650	0.16	O					106+25	0.1061	0.11	O				
101+25	0.1638	0.16	O					106+30	0.1053	0.11	O				
101+30	0.1627	0.16	O					106+35	0.1045	0.10	O				
101+35	0.1615	0.16	O					106+40	0.1038	0.10	O				
101+40	0.1603	0.16	O					106+45	0.1030	0.10	O				
101+45	0.1592	0.16	O					106+50	0.1023	0.10	O				
101+50	0.1580	0.16	O					106+55	0.1015	0.10	O				
101+55	0.1569	0.16	O					107+ 0	0.1008	0.10	O				

107+ 5	0.1001	0.10	O					112+10	0.0643	0.06	O				
107+10	0.0994	0.10	O					112+15	0.0638	0.06	O				
107+15	0.0986	0.10	O					112+20	0.0634	0.06	O				
107+20	0.0979	0.10	O					112+25	0.0629	0.06	O				
107+25	0.0972	0.10	O					112+30	0.0625	0.06	O				
107+30	0.0965	0.10	O					112+35	0.0620	0.06	O				
107+35	0.0958	0.10	O					112+40	0.0616	0.06	O				
107+40	0.0951	0.10	O					112+45	0.0611	0.06	O				
107+45	0.0944	0.09	O					112+50	0.0607	0.06	O				
107+50	0.0938	0.09	O					112+55	0.0602	0.06	O				
107+55	0.0931	0.09	O					113+ 0	0.0598	0.06	O				
108+ 0	0.0924	0.09	O					113+ 5	0.0594	0.06	O				
108+ 5	0.0917	0.09	O					113+10	0.0590	0.06	O				
108+10	0.0911	0.09	O					113+15	0.0585	0.06	O				
108+15	0.0904	0.09	O					113+20	0.0581	0.06	O				
108+20	0.0898	0.09	O					113+25	0.0577	0.06	O				
108+25	0.0891	0.09	O					113+30	0.0573	0.06	O				
108+30	0.0885	0.09	O					113+35	0.0569	0.06	O				
108+35	0.0878	0.09	O					113+40	0.0564	0.06	O				
108+40	0.0872	0.09	O					113+45	0.0560	0.06	O				
108+45	0.0866	0.09	O					113+50	0.0556	0.06	O				
108+50	0.0859	0.09	O					113+55	0.0552	0.06	O				
108+55	0.0853	0.09	O					114+ 0	0.0548	0.05	O				
109+ 0	0.0847	0.08	O					114+ 5	0.0544	0.05	O				
109+ 5	0.0841	0.08	O					114+10	0.0540	0.05	O				
109+10	0.0835	0.08	O					114+15	0.0536	0.05	O				
109+15	0.0829	0.08	O					114+20	0.0533	0.05	O				
109+20	0.0823	0.08	O					114+25	0.0529	0.05	O				
109+25	0.0817	0.08	O					114+30	0.0525	0.05	O				
109+30	0.0811	0.08	O					114+35	0.0521	0.05	O				
109+35	0.0805	0.08	O					114+40	0.0517	0.05	O				
109+40	0.0799	0.08	O					114+45	0.0514	0.05	O				
109+45	0.0794	0.08	O					114+50	0.0510	0.05	O				
109+50	0.0788	0.08	O					114+55	0.0506	0.05	O				
109+55	0.0782	0.08	O					115+ 0	0.0503	0.05	O				
110+ 0	0.0776	0.08	O					115+ 5	0.0499	0.05	O				
110+ 5	0.0771	0.08	O					115+10	0.0495	0.05	O				
110+10	0.0765	0.08	O					115+15	0.0492	0.05	O				
110+15	0.0760	0.08	O					115+20	0.0488	0.05	O				
110+20	0.0754	0.08	O					115+25	0.0485	0.05	O				
110+25	0.0749	0.07	O					115+30	0.0481	0.05	O				
110+30	0.0743	0.07	O					115+35	0.0478	0.05	O				
110+35	0.0738	0.07	O					115+40	0.0474	0.05	O				
110+40	0.0733	0.07	O					115+45	0.0471	0.05	O				
110+45	0.0727	0.07	O					115+50	0.0467	0.05	O				
110+50	0.0722	0.07	O					115+55	0.0464	0.05	O				
110+55	0.0717	0.07	O					116+ 0	0.0461	0.05	O				
111+ 0	0.0712	0.07	O					116+ 5	0.0457	0.05	O				
111+ 5	0.0707	0.07	O					116+10	0.0454	0.05	O				
111+10	0.0702	0.07	O					116+15	0.0451	0.05	O				
111+15	0.0696	0.07	O					116+20	0.0448	0.04	O				
111+20	0.0691	0.07	O					116+25	0.0444	0.04	O				
111+25	0.0686	0.07	O					116+30	0.0441	0.04	O				
111+30	0.0681	0.07	O					116+35	0.0438	0.04	O				
111+35	0.0677	0.07	O					116+40	0.0435	0.04	O				
111+40	0.0672	0.07	O					116+45	0.0432	0.04	O				
111+45	0.0667	0.07	O					116+50	0.0429	0.04	O				
111+50	0.0662	0.07	O					116+55	0.0425	0.04	O				
111+55	0.0657	0.07	O					117+ 0	0.0422	0.04	O				
112+ 0	0.0652	0.07	O					117+ 5	0.0419	0.04	O				
112+ 5	0.0648	0.06	O					117+10	0.0416	0.04	O				

117+15	0.0413	0.04	O					122+20	0.0266	0.03	O				
117+20	0.0410	0.04	O					122+25	0.0264	0.03	O				
117+25	0.0407	0.04	O					122+30	0.0262	0.03	O				
117+30	0.0404	0.04	O					122+35	0.0260	0.03	O				
117+35	0.0401	0.04	O					122+40	0.0258	0.03	O				
117+40	0.0399	0.04	O					122+45	0.0256	0.03	O				
117+45	0.0396	0.04	O					122+50	0.0254	0.03	O				
117+50	0.0393	0.04	O					122+55	0.0252	0.03	O				
117+55	0.0390	0.04	O					123+ 0	0.0251	0.03	O				
118+ 0	0.0387	0.04	O					123+ 5	0.0249	0.02	O				
118+ 5	0.0384	0.04	O					123+10	0.0247	0.02	O				
118+10	0.0382	0.04	O					123+15	0.0245	0.02	O				
118+15	0.0379	0.04	O					123+20	0.0243	0.02	O				
118+20	0.0376	0.04	O					123+25	0.0242	0.02	O				
118+25	0.0373	0.04	O					123+30	0.0240	0.02	O				
118+30	0.0371	0.04	O					123+35	0.0238	0.02	O				
118+35	0.0368	0.04	O					123+40	0.0236	0.02	O				
118+40	0.0365	0.04	O					123+45	0.0235	0.02	O				
118+45	0.0363	0.04	O					123+50	0.0233	0.02	O				
118+50	0.0360	0.04	O					123+55	0.0231	0.02	O				
118+55	0.0357	0.04	O					124+ 0	0.0230	0.02	O				
119+ 0	0.0355	0.04	O					124+ 5	0.0228	0.02	O				
119+ 5	0.0352	0.04	O					124+10	0.0226	0.02	O				
119+10	0.0350	0.03	O					124+15	0.0225	0.02	O				
119+15	0.0347	0.03	O					124+20	0.0223	0.02	O				
119+20	0.0345	0.03	O					124+25	0.0222	0.02	O				
119+25	0.0342	0.03	O					124+30	0.0220	0.02	O				
119+30	0.0340	0.03	O					124+35	0.0218	0.02	O				
119+35	0.0337	0.03	O					124+40	0.0217	0.02	O				
119+40	0.0335	0.03	O					124+45	0.0215	0.02	O				
119+45	0.0332	0.03	O					124+50	0.0214	0.02	O				
119+50	0.0330	0.03	O					124+55	0.0212	0.02	O				
119+55	0.0328	0.03	O					125+ 0	0.0211	0.02	O				
120+ 0	0.0325	0.03	O					125+ 5	0.0209	0.02	O				
120+ 5	0.0323	0.03	O					125+10	0.0208	0.02	O				
120+10	0.0321	0.03	O					125+15	0.0206	0.02	O				
120+15	0.0318	0.03	O					125+20	0.0205	0.02	O				
120+20	0.0316	0.03	O					125+25	0.0203	0.02	O				
120+25	0.0314	0.03	O					125+30	0.0202	0.02	O				
120+30	0.0311	0.03	O					125+35	0.0200	0.02	O				
120+35	0.0309	0.03	O					125+40	0.0199	0.02	O				
120+40	0.0307	0.03	O					125+45	0.0197	0.02	O				
120+45	0.0305	0.03	O					125+50	0.0196	0.02	O				
120+50	0.0303	0.03	O					125+55	0.0194	0.02	O				
120+55	0.0300	0.03	O					126+ 0	0.0193	0.02	O				
121+ 0	0.0298	0.03	O					126+ 5	0.0192	0.02	O				
121+ 5	0.0296	0.03	O					126+10	0.0190	0.02	O				
121+10	0.0294	0.03	O					126+15	0.0189	0.02	O				
121+15	0.0292	0.03	O					126+20	0.0188	0.02	O				
121+20	0.0290	0.03	O					126+25	0.0186	0.02	O				
121+25	0.0288	0.03	O					126+30	0.0185	0.02	O				
121+30	0.0286	0.03	O					126+35	0.0183	0.02	O				
121+35	0.0283	0.03	O					126+40	0.0182	0.02	O				
121+40	0.0281	0.03	O					126+45	0.0181	0.02	O				
121+45	0.0279	0.03	O					126+50	0.0180	0.02	O				
121+50	0.0277	0.03	O					126+55	0.0178	0.02	O				
121+55	0.0275	0.03	O					127+ 0	0.0177	0.02	O				
122+ 0	0.0273	0.03	O					127+ 5	0.0176	0.02	O				
122+ 5	0.0271	0.03	O					127+10	0.0174	0.02	O				
122+10	0.0269	0.03	O					127+15	0.0173	0.02	O				
122+15	0.0267	0.03	O					127+20	0.0172	0.02	O				

127+25	0.0171	0.02	O					132+30	0.0110	0.01	O				
127+30	0.0169	0.02	O					132+35	0.0109	0.01	O				
127+35	0.0168	0.02	O					132+40	0.0108	0.01	O				
127+40	0.0167	0.02	O					132+45	0.0107	0.01	O				
127+45	0.0166	0.02	O					132+50	0.0107	0.01	O				
127+50	0.0165	0.02	O					132+55	0.0106	0.01	O				
127+55	0.0163	0.02	O					133+ 0	0.0105	0.01	O				
128+ 0	0.0162	0.02	O					133+ 5	0.0104	0.01	O				
128+ 5	0.0161	0.02	O					133+10	0.0103	0.01	O				
128+10	0.0160	0.02	O					133+15	0.0103	0.01	O				
128+15	0.0159	0.02	O					133+20	0.0102	0.01	O				
128+20	0.0158	0.02	O					133+25	0.0101	0.01	O				
128+25	0.0156	0.02	O					133+30	0.0101	0.01	O				
128+30	0.0155	0.02	O					133+35	0.0100	0.01	O				
128+35	0.0154	0.02	O					133+40	0.0099	0.01	O				
128+40	0.0153	0.02	O					133+45	0.0098	0.01	O				
128+45	0.0152	0.02	O					133+50	0.0098	0.01	O				
128+50	0.0151	0.02	O					133+55	0.0097	0.01	O				
128+55	0.0150	0.01	O					134+ 0	0.0096	0.01	O				
129+ 0	0.0149	0.01	O					134+ 5	0.0096	0.01	O				
129+ 5	0.0148	0.01	O					134+10	0.0095	0.01	O				
129+10	0.0147	0.01	O					134+15	0.0094	0.01	O				
129+15	0.0145	0.01	O					134+20	0.0093	0.01	O				
129+20	0.0144	0.01	O					134+25	0.0093	0.01	O				
129+25	0.0143	0.01	O					134+30	0.0092	0.01	O				
129+30	0.0142	0.01	O					134+35	0.0091	0.01	O				
129+35	0.0141	0.01	O					134+40	0.0091	0.01	O				
129+40	0.0140	0.01	O					134+45	0.0090	0.01	O				
129+45	0.0139	0.01	O					134+50	0.0090	0.01	O				
129+50	0.0138	0.01	O					134+55	0.0089	0.01	O				
129+55	0.0137	0.01	O					135+ 0	0.0088	0.01	O				
130+ 0	0.0136	0.01	O					135+ 5	0.0088	0.01	O				
130+ 5	0.0135	0.01	O					135+10	0.0087	0.01	O				
130+10	0.0134	0.01	O					135+15	0.0086	0.01	O				
130+15	0.0133	0.01	O					135+20	0.0086	0.01	O				
130+20	0.0132	0.01	O					135+25	0.0085	0.01	O				
130+25	0.0131	0.01	O					135+30	0.0084	0.01	O				
130+30	0.0131	0.01	O					135+35	0.0084	0.01	O				
130+35	0.0130	0.01	O					135+40	0.0083	0.01	O				
130+40	0.0129	0.01	O					135+45	0.0083	0.01	O				
130+45	0.0128	0.01	O					135+50	0.0082	0.01	O				
130+50	0.0127	0.01	O					135+55	0.0081	0.01	O				
130+55	0.0126	0.01	O					136+ 0	0.0081	0.01	O				
131+ 0	0.0125	0.01	O					136+ 5	0.0080	0.01	O				
131+ 5	0.0124	0.01	O					136+10	0.0080	0.01	O				
131+10	0.0123	0.01	O					136+15	0.0079	0.01	O				
131+15	0.0122	0.01	O					136+20	0.0079	0.01	O				
131+20	0.0121	0.01	O					136+25	0.0078	0.01	O				
131+25	0.0120	0.01	O					136+30	0.0077	0.01	O				
131+30	0.0120	0.01	O					136+35	0.0077	0.01	O				
131+35	0.0119	0.01	O					136+40	0.0076	0.01	O				
131+40	0.0118	0.01	O					136+45	0.0076	0.01	O				
131+45	0.0117	0.01	O					136+50	0.0075	0.01	O				
131+50	0.0116	0.01	O					136+55	0.0075	0.01	O				
131+55	0.0115	0.01	O					137+ 0	0.0074	0.01	O				
132+ 0	0.0115	0.01	O					137+ 5	0.0074	0.01	O				
132+ 5	0.0114	0.01	O					137+10	0.0073	0.01	O				
132+10	0.0113	0.01	O					137+15	0.0073	0.01	O				
132+15	0.0112	0.01	O					137+20	0.0072	0.01	O				
132+20	0.0111	0.01	O					137+25	0.0071	0.01	O				
132+25	0.0110	0.01	O					137+30	0.0071	0.01	O				

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 137+35       0.0070      0.01  O         |         |         |         |
 137+40       0.0070      0.01  O         |         |         |         |
 137+45       0.0069      0.01  O         |         |         |         |
 137+50       0.0069      0.01  O         |         |         |         |
 137+55       0.0068      0.01  O         |         |         |         |
 138+ 0       0.0068      0.01  O         |         |         |         |
 138+ 5       0.0067      0.01  O         |         |         |         |
 138+10       0.0067      0.01  O         |         |         |         |
 138+15       0.0066      0.01  O         |         |         |         |
 138+20       0.0066      0.01  O         |         |         |         |
 138+25       0.0066      0.01  O         |         |         |         |
 138+30       0.0065      0.01  O         |         |         |         |
 138+35       0.0065      0.01  O         |         |         |         |
 138+40       0.0064      0.01  O         |         |         |         |
 138+45       0.0064      0.01  O         |         |         |         |
 138+50       0.0063      0.01  O         |         |         |         |
 138+55       0.0063      0.01  O         |         |         |         |
 139+ 0       0.0062      0.01  O         |         |         |         |
 139+ 5       0.0062      0.01  O         |         |         |         |
 139+10       0.0061      0.01  O         |         |         |         |
 139+15       0.0061      0.01  O         |         |         |         |
 139+20       0.0061      0.01  O         |         |         |         |
 139+25       0.0060      0.01  O         |         |         |         |
 139+30       0.0060      0.01  O         |         |         |         |
 139+35       0.0059      0.01  O         |         |         |         |
 139+40       0.0059      0.01  O         |         |         |         |
 139+45       0.0058      0.01  O         |         |         |         |
 139+50       0.0058      0.01  O         |         |         |         |
 139+55       0.0058      0.01  O         |         |         |         |
-------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA**************************
                       Number of intervals =  1921
                       Time interval =    5.0 (Min.)
                       Maximum/Peak flow rate =       52.661 (CFS)
                       Total volume =      17.123 (Ac.Ft)
               Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
               Peak (CFS)      0.000     0.000     0.000     0.000     0.000
               Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ********************************************************************

        ------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        3.400 to Point/Station        3.400
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ____________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                       From study/file name: MESAP3C6100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0       15.0      30.0      44.9      59.9
 -------------------------------------------------------------------------
   0+ 5       0.0846      0.16  Q         |         |         |         |
   0+10       0.1880      0.63  Q         |         |         |         |
   0+15       0.2143      0.91  Q         |         |         |         |
   0+20       0.2173      1.06  Q         |         |         |         |
   0+25       0.2176      1.16  Q         |         |         |         |
   0+30       0.2345      1.26  Q         |         |         |         |
   0+35       0.2518      1.42  Q         |         |         |         |
   0+40       0.2536      1.54  qQ        |         |         |         |
   0+45       0.2538      1.62  qQ        |         |         |         |
   0+50       0.2538      1.69  qQ        |         |         |         |
   0+55       0.2538      1.73  qQ        |         |         |         |
   1+ 0       0.2707      1.80  qQ        |         |         |         |
   1+ 5       0.2880      1.92  qQ        |         |         |         |
   1+10       0.2898      1.99  qQ        |         |         |         |
   1+15       0.2901      2.03  qQ        |         |         |         |
   1+20       0.2901      2.07  qQ        |         |         |         |
   1+25       0.2901      2.11  qQ        |         |         |         |
   1+30       0.2901      2.14  qQ        |         |         |         |
   1+35       0.2901      2.17  qQ        |         |         |         |
   1+40       0.2901      2.20  qQ        |         |         |         |
   1+45       0.2901      2.23  qQ        |         |         |         |
   1+50       0.2901      2.27  qQ        |         |         |         |
   1+55       0.2901      2.29  qQ        |         |         |         |
   2+ 0       0.3070      2.35  qQ        |         |         |         |
   2+ 5       0.3074      2.43  qQ        |         |         |         |
   2+10       0.3088      2.42  qQ        |         |         |         |
   2+15       0.3245      2.51  qQ        |         |         |         |
   2+20       0.3261      2.56  qQ        |         |         |         |
   2+25       0.3263      2.59  qQ        |         |         |         |
   2+30       0.3263      2.61  qQ        |         |         |         |
   2+35       0.3263      2.64  qQ        |         |         |         |
   2+40       0.3263      2.66  qQ        |         |         |         |
   2+45       0.3433      2.71  qQ        |         |         |         |
   2+50       0.3606      2.82  qQ        |         |         |         |
   2+55       0.3624      2.88  qQ        |         |         |         |
   3+ 0       0.3626      2.91  qQ        |         |         |         |
   3+ 5       0.3626      2.94  qQ        |         |         |         |
   3+10       0.3795      3.00  q Q       |         |         |         |
   3+15       0.3968      3.17  q Q       |         |         |         |
   3+20       0.3986      3.25  q Q       |         |         |         |
   3+25       0.4354      3.40  q Q       |         |         |         |
   3+30       0.5935      4.01  q Q       |         |         |         |
   3+35       0.8418      4.86  q  Q      |         |         |         |
   3+40       0.9788      5.60  q  Q      |         |         |         |
   3+45       1.1142      6.09  q   Q     |         |         |         |
   3+50       1.2395      6.70  q   Q     |         |         |         |
   3+55       1.3732      7.14  q   Q     |         |         |         |
   4+ 0       1.4986      7.72  |q   Q     |         |         |         |
   4+ 5       1.6322      8.15  |q   Q     |         |         |         |
   4+10       1.8784      8.92  |q   Q     |         |         |         |
   4+15       2.1357      9.82  |q    Q    |         |         |         |
   4+20       2.3947     10.77  |q     Q   |         |         |         |
   4+25       2.6537     11.74  |q     Q   |         |         |         |
   4+30       2.7919     12.53  |q      Q  |         |         |         |
   4+35       2.9273     13.04  |q      Q  |         |         |         |
   4+40       3.1734     13.85  | q      Q|         |         |         |
   4+45       3.4307     14.77  | q      Q|         |         |         |
   4+50       3.5689     15.54  | q       Q         |         |         |
   4+55       3.7043     16.14  | q       Q         |         |         |
   5+ 0       3.9504     17.63  | q       |Q        |         |         |
   5+ 5       4.6910     21.06  |  q      |   Q     |         |         |
   5+10       5.9279     27.05  |  q      |      Q  |         |         |
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5+15	6.9745	33.87		q				Q				10+20	0.0000	2.36	qQ				
5+20	7.7806	40.48		q					Q			10+25	0.0000	2.24	qQ				
5+25	8.8026	47.69		q						Q		10+30	0.0000	2.13	qQ				
5+30	10.5519	57.04			q						Q	10+35	0.0000	2.02	qQ				
5+35	7.2634	59.92		q							Q	10+40	0.0000	1.92	qQ				
5+40	1.8970	46.73	q							Q		10+45	0.0000	1.85	qQ				
5+45	0.4488	39.62	q						Q			10+50	0.0000	1.81	qQ				
5+50	0.2197	36.94	q					Q				10+55	0.0000	1.79	qQ				
5+55	0.1502	35.50	q					Q				11+ 0	0.0000	1.78	qQ				
6+ 0	0.0962	34.43	q					Q				11+ 5	0.0000	1.77	qQ				
6+ 5	0.0412	33.34	q					Q				11+10	0.0000	1.77	qQ				
6+10	0.0043	32.11	q					Q				11+15	0.0000	1.77	qQ				
6+15	0.0005	31.02	q				Q					11+20	0.0000	1.76	qQ				
6+20	0.0000	29.87	q				Q					11+25	0.0000	1.76	qQ				
6+25	0.0000	28.50	q				Q					11+30	0.0000	1.76	qQ				
6+30	0.0000	27.05	q			Q						11+35	0.0000	1.76	qQ				
6+35	0.0000	25.61	q			Q						11+40	0.0000	1.76	qQ				
6+40	0.0000	24.21	q		Q							11+45	0.0000	1.76	qQ				
6+45	0.0000	22.87	q		Q							11+50	0.0000	1.76	qQ				
6+50	0.0000	21.60	q		Q							11+55	0.0000	1.76	qQ				
6+55	0.0000	20.40	q		Q							12+ 0	0.0000	1.76	qQ				
7+ 0	0.0000	19.29	q	Q								12+ 5	0.0000	1.76	qQ				
7+ 5	0.0000	18.26	q	Q								12+10	0.0000	1.75	qQ				
7+10	0.0000	17.31	q	Q								12+15	0.0000	1.75	qQ				
7+15	0.0000	16.40	q	Q								12+20	0.0000	1.75	qQ				
7+20	0.0000	15.55	q	Q								12+25	0.0000	1.75	qQ				
7+25	0.0000	14.75	q	Q								12+30	0.0000	1.75	qQ				
7+30	0.0000	13.98	q	Q								12+35	0.0000	1.75	qQ				
7+35	0.0000	13.26	q	Q								12+40	0.0000	1.75	qQ				
7+40	0.0000	12.57	q	Q								12+45	0.0000	1.75	qQ				
7+45	0.0000	11.92	q	Q								12+50	0.0000	1.75	qQ				
7+50	0.0000	11.30	q	Q								12+55	0.0000	1.75	qQ				
7+55	0.0000	10.72	q	Q								13+ 0	0.0000	1.75	qQ				
8+ 0	0.0000	10.17	q	Q								13+ 5	0.0000	1.74	qQ				
8+ 5	0.0000	9.65	q	Q								13+10	0.0000	1.74	qQ				
8+10	0.0000	9.16	q	Q								13+15	0.0000	1.74	qQ				
8+15	0.0000	8.69	q	Q								13+20	0.0000	1.74	qQ				
8+20	0.0000	8.25	q	Q								13+25	0.0000	1.74	qQ				
8+25	0.0000	7.83	q	Q								13+30	0.0000	1.74	qQ				
8+30	0.0000	7.43	q	Q								13+35	0.0000	1.74	qQ				
8+35	0.0000	7.06	q	Q								13+40	0.0000	1.74	qQ				
8+40	0.0000	6.70	q	Q								13+45	0.0000	1.74	qQ				
8+45	0.0000	6.36	q	Q								13+50	0.0000	1.74	qQ				
8+50	0.0000	6.04	q	Q								13+55	0.0000	1.74	qQ				
8+55	0.0000	5.73	q	Q								14+ 0	0.0000	1.73	qQ				
9+ 0	0.0000	5.44	q	Q								14+ 5	0.0000	1.73	qQ				
9+ 5	0.0000	5.16	q	Q								14+10	0.0000	1.73	qQ				
9+10	0.0000	4.90	q	Q								14+15	0.0000	1.73	qQ				
9+15	0.0000	4.65	q	Q								14+20	0.0000	1.73	qQ				
9+20	0.0000	4.41	q	Q								14+25	0.0000	1.73	qQ				
9+25	0.0000	4.19	q	Q								14+30	0.0000	1.73	qQ				
9+30	0.0000	3.98	q	Q								14+35	0.0000	1.73	qQ				
9+35	0.0000	3.78	q	Q								14+40	0.0000	1.73	qQ				
9+40	0.0000	3.58	q	Q								14+45	0.0000	1.73	qQ				
9+45	0.0000	3.40	q	Q								14+50	0.0000	1.72	qQ				
9+50	0.0000	3.23	q	Q								14+55	0.0000	1.72	qQ				
9+55	0.0000	3.07	q	Q								15+ 0	0.0000	1.72	qQ				
10+ 0	0.0000	2.91	qQ									15+ 5	0.0000	1.72	qQ				
10+ 5	0.0000	2.76	qQ									15+10	0.0000	1.72	qQ				
10+10	0.0000	2.62	qQ									15+15	0.0000	1.72	qQ				
10+15	0.0000	2.49	qQ									15+20	0.0000	1.72	qQ				

15+25	0.0000	1.72	qQ					20+30	0.0000	1.66	qQ				
15+30	0.0000	1.72	qQ					20+35	0.0000	1.66	qQ				
15+35	0.0000	1.72	qQ					20+40	0.0000	1.66	qQ				
15+40	0.0000	1.72	qQ					20+45	0.0000	1.66	qQ				
15+45	0.0000	1.71	qQ					20+50	0.0000	1.65	qQ				
15+50	0.0000	1.71	qQ					20+55	0.0000	1.65	qQ				
15+55	0.0000	1.71	qQ					21+ 0	0.0000	1.65	qQ				
16+ 0	0.0000	1.71	qQ					21+ 5	0.0000	1.65	qQ				
16+ 5	0.0000	1.71	qQ					21+10	0.0000	1.65	qQ				
16+10	0.0000	1.71	qQ					21+15	0.0000	1.65	qQ				
16+15	0.0000	1.71	qQ					21+20	0.0000	1.65	qQ				
16+20	0.0000	1.71	qQ					21+25	0.0000	1.65	qQ				
16+25	0.0000	1.71	qQ					21+30	0.0000	1.65	qQ				
16+30	0.0000	1.71	qQ					21+35	0.0000	1.65	qQ				
16+35	0.0000	1.71	qQ					21+40	0.0000	1.64	qQ				
16+40	0.0000	1.70	qQ					21+45	0.0000	1.64	qQ				
16+45	0.0000	1.70	qQ					21+50	0.0000	1.64	qQ				
16+50	0.0000	1.70	qQ					21+55	0.0000	1.64	qQ				
16+55	0.0000	1.70	qQ					22+ 0	0.0000	1.64	qQ				
17+ 0	0.0000	1.70	qQ					22+ 5	0.0000	1.64	qQ				
17+ 5	0.0000	1.70	qQ					22+10	0.0000	1.64	qQ				
17+10	0.0000	1.70	qQ					22+15	0.0000	1.64	qQ				
17+15	0.0000	1.70	qQ					22+20	0.0000	1.64	qQ				
17+20	0.0000	1.70	qQ					22+25	0.0000	1.63	qQ				
17+25	0.0000	1.70	qQ					22+30	0.0000	1.63	qQ				
17+30	0.0000	1.70	qQ					22+35	0.0000	1.63	qQ				
17+35	0.0000	1.70	qQ					22+40	0.0000	1.63	qQ				
17+40	0.0000	1.69	qQ					22+45	0.0000	1.63	qQ				
17+45	0.0000	1.69	qQ					22+50	0.0000	1.63	qQ				
17+50	0.0000	1.69	qQ					22+55	0.0000	1.63	qQ				
17+55	0.0000	1.69	qQ					23+ 0	0.0000	1.63	qQ				
18+ 0	0.0000	1.69	qQ					23+ 5	0.0000	1.63	qQ				
18+ 5	0.0000	1.69	qQ					23+10	0.0000	1.63	qQ				
18+10	0.0000	1.69	qQ					23+15	0.0000	1.62	qQ				
18+15	0.0000	1.69	qQ					23+20	0.0000	1.62	qQ				
18+20	0.0000	1.69	qQ					23+25	0.0000	1.62	qQ				
18+25	0.0000	1.69	qQ					23+30	0.0000	1.62	qQ				
18+30	0.0000	1.68	qQ					23+35	0.0000	1.62	qQ				
18+35	0.0000	1.68	qQ					23+40	0.0000	1.62	qQ				
18+40	0.0000	1.68	qQ					23+45	0.0000	1.62	qQ				
18+45	0.0000	1.68	qQ					23+50	0.0000	1.62	qQ				
18+50	0.0000	1.68	qQ					23+55	0.0000	1.62	qQ				
18+55	0.0000	1.68	qQ					24+ 0	0.0000	1.62	qQ				
19+ 0	0.0000	1.68	qQ					24+ 5	0.0000	1.61	qQ				
19+ 5	0.0000	1.68	qQ					24+10	0.0000	1.61	qQ				
19+10	0.0000	1.68	qQ					24+15	0.0000	1.61	qQ				
19+15	0.0000	1.67	qQ					24+20	0.0000	1.61	qQ				
19+20	0.0000	1.67	qQ					24+25	0.0000	1.61	qQ				
19+25	0.0000	1.67	qQ					24+30	0.0000	1.61	qQ				
19+30	0.0000	1.67	qQ					24+35	0.0000	1.61	qQ				
19+35	0.0000	1.67	qQ					24+40	0.0000	1.61	qQ				
19+40	0.0000	1.67	qQ					24+45	0.0000	1.61	qQ				
19+45	0.0000	1.67	qQ					24+50	0.0000	1.60	qQ				
19+50	0.0000	1.67	qQ					24+55	0.0000	1.60	qQ				
19+55	0.0000	1.67	qQ					25+ 0	0.0000	1.60	qQ				
20+ 0	0.0000	1.67	qQ					25+ 5	0.0000	1.60	qQ				
20+ 5	0.0000	1.66	qQ					25+10	0.0000	1.60	qQ				
20+10	0.0000	1.66	qQ					25+15	0.0000	1.60	qQ				
20+15	0.0000	1.66	qQ					25+20	0.0000	1.60	qQ				
20+20	0.0000	1.66	qQ					25+25	0.0000	1.60	qQ				
20+25	0.0000	1.66	qQ					25+30	0.0000	1.60	qQ				

25+35	0.0000	1.60	qQ					30+40	0.0000	1.52	qQ				
25+40	0.0000	1.59	qQ					30+45	0.0000	1.52	qQ				
25+45	0.0000	1.59	qQ					30+50	0.0000	1.52	qQ				
25+50	0.0000	1.59	qQ					30+55	0.0000	1.52	qQ				
25+55	0.0000	1.59	qQ					31+ 0	0.0000	1.52	qQ				
26+ 0	0.0000	1.59	qQ					31+ 5	0.0000	1.52	qQ				
26+ 5	0.0000	1.59	qQ					31+10	0.0000	1.52	qQ				
26+10	0.0000	1.59	qQ					31+15	0.0000	1.52	qQ				
26+15	0.0000	1.59	qQ					31+20	0.0000	1.52	qQ				
26+20	0.0000	1.58	qQ					31+25	0.0000	1.51	qQ				
26+25	0.0000	1.58	qQ					31+30	0.0000	1.51	qQ				
26+30	0.0000	1.58	qQ					31+35	0.0000	1.51	qQ				
26+35	0.0000	1.58	qQ					31+40	0.0000	1.51	qQ				
26+40	0.0000	1.58	qQ					31+45	0.0000	1.51	qQ				
26+45	0.0000	1.58	qQ					31+50	0.0000	1.51	qQ				
26+50	0.0000	1.58	qQ					31+55	0.0000	1.51	qQ				
26+55	0.0000	1.58	qQ					32+ 0	0.0000	1.51	qQ				
27+ 0	0.0000	1.58	qQ					32+ 5	0.0000	1.51	qQ				
27+ 5	0.0000	1.57	qQ					32+10	0.0000	1.50	qQ				
27+10	0.0000	1.57	qQ					32+15	0.0000	1.50	qQ				
27+15	0.0000	1.57	qQ					32+20	0.0000	1.50	qQ				
27+20	0.0000	1.57	qQ					32+25	0.0000	1.50	qQ				
27+25	0.0000	1.57	qQ					32+30	0.0000	1.50	qQ				
27+30	0.0000	1.57	qQ					32+35	0.0000	1.50	qQ				
27+35	0.0000	1.57	qQ					32+40	0.0000	1.50	Q				
27+40	0.0000	1.57	qQ					32+45	0.0000	1.50	Q				
27+45	0.0000	1.56	qQ					32+50	0.0000	1.50	Q				
27+50	0.0000	1.56	qQ					32+55	0.0000	1.49	Q				
27+55	0.0000	1.56	qQ					33+ 0	0.0000	1.49	Q				
28+ 0	0.0000	1.56	qQ					33+ 5	0.0000	1.49	Q				
28+ 5	0.0000	1.56	qQ					33+10	0.0000	1.49	Q				
28+10	0.0000	1.56	qQ					33+15	0.0000	1.49	Q				
28+15	0.0000	1.56	qQ					33+20	0.0000	1.49	Q				
28+20	0.0000	1.56	qQ					33+25	0.0000	1.49	Q				
28+25	0.0000	1.56	qQ					33+30	0.0000	1.49	Q				
28+30	0.0000	1.55	qQ					33+35	0.0000	1.49	Q				
28+35	0.0000	1.55	qQ					33+40	0.0000	1.48	Q				
28+40	0.0000	1.55	qQ					33+45	0.0000	1.48	Q				
28+45	0.0000	1.55	qQ					33+50	0.0000	1.48	Q				
28+50	0.0000	1.55	qQ					33+55	0.0000	1.48	Q				
28+55	0.0000	1.55	qQ					34+ 0	0.0000	1.48	Q				
29+ 0	0.0000	1.55	qQ					34+ 5	0.0000	1.48	Q				
29+ 5	0.0000	1.55	qQ					34+10	0.0000	1.48	Q				
29+10	0.0000	1.55	qQ					34+15	0.0000	1.48	Q				
29+15	0.0000	1.54	qQ					34+20	0.0000	1.48	Q				
29+20	0.0000	1.54	qQ					34+25	0.0000	1.48	Q				
29+25	0.0000	1.54	qQ					34+30	0.0000	1.47	Q				
29+30	0.0000	1.54	qQ					34+35	0.0000	1.47	Q				
29+35	0.0000	1.54	qQ					34+40	0.0000	1.47	Q				
29+40	0.0000	1.54	qQ					34+45	0.0000	1.47	Q				
29+45	0.0000	1.54	qQ					34+50	0.0000	1.47	Q				
29+50	0.0000	1.54	qQ					34+55	0.0000	1.47	Q				
29+55	0.0000	1.54	qQ					35+ 0	0.0000	1.47	Q				
30+ 0	0.0000	1.53	qQ					35+ 5	0.0000	1.47	Q				
30+ 5	0.0000	1.53	qQ					35+10	0.0000	1.47	Q				
30+10	0.0000	1.53	qQ					35+15	0.0000	1.46	Q				
30+15	0.0000	1.53	qQ					35+20	0.0000	1.46	Q				
30+20	0.0000	1.53	qQ					35+25	0.0000	1.46	Q				
30+25	0.0000	1.53	qQ					35+30	0.0000	1.46	Q				
30+30	0.0000	1.53	qQ					35+35	0.0000	1.46	Q				
30+35	0.0000	1.53	qQ					35+40	0.0000	1.46	Q				

35+45	0.0000	1.46	Q					40+50	0.0000	1.39	Q				
35+50	0.0000	1.46	Q					40+55	0.0000	1.39	Q				
35+55	0.0000	1.46	Q					41+ 0	0.0000	1.39	Q				
36+ 0	0.0000	1.45	Q					41+ 5	0.0000	1.38	Q				
36+ 5	0.0000	1.45	Q					41+10	0.0000	1.38	Q				
36+10	0.0000	1.45	Q					41+15	0.0000	1.38	Q				
36+15	0.0000	1.45	Q					41+20	0.0000	1.38	Q				
36+20	0.0000	1.45	Q					41+25	0.0000	1.38	Q				
36+25	0.0000	1.45	Q					41+30	0.0000	1.38	Q				
36+30	0.0000	1.45	Q					41+35	0.0000	1.38	Q				
36+35	0.0000	1.45	Q					41+40	0.0000	1.38	Q				
36+40	0.0000	1.45	Q					41+45	0.0000	1.37	Q				
36+45	0.0000	1.44	Q					41+50	0.0000	1.37	Q				
36+50	0.0000	1.44	Q					41+55	0.0000	1.37	Q				
36+55	0.0000	1.44	Q					42+ 0	0.0000	1.37	Q				
37+ 0	0.0000	1.44	Q					42+ 5	0.0000	1.37	Q				
37+ 5	0.0000	1.44	Q					42+10	0.0000	1.37	Q				
37+10	0.0000	1.44	Q					42+15	0.0000	1.37	Q				
37+15	0.0000	1.44	Q					42+20	0.0000	1.37	Q				
37+20	0.0000	1.44	Q					42+25	0.0000	1.36	Q				
37+25	0.0000	1.44	Q					42+30	0.0000	1.36	Q				
37+30	0.0000	1.44	Q					42+35	0.0000	1.36	Q				
37+35	0.0000	1.43	Q					42+40	0.0000	1.36	Q				
37+40	0.0000	1.43	Q					42+45	0.0000	1.36	Q				
37+45	0.0000	1.43	Q					42+50	0.0000	1.36	Q				
37+50	0.0000	1.43	Q					42+55	0.0000	1.36	Q				
37+55	0.0000	1.43	Q					43+ 0	0.0000	1.35	Q				
38+ 0	0.0000	1.43	Q					43+ 5	0.0000	1.35	Q				
38+ 5	0.0000	1.43	Q					43+10	0.0000	1.35	Q				
38+10	0.0000	1.43	Q					43+15	0.0000	1.35	Q				
38+15	0.0000	1.43	Q					43+20	0.0000	1.35	Q				
38+20	0.0000	1.42	Q					43+25	0.0000	1.35	Q				
38+25	0.0000	1.42	Q					43+30	0.0000	1.35	Q				
38+30	0.0000	1.42	Q					43+35	0.0000	1.35	Q				
38+35	0.0000	1.42	Q					43+40	0.0000	1.34	Q				
38+40	0.0000	1.42	Q					43+45	0.0000	1.34	Q				
38+45	0.0000	1.42	Q					43+50	0.0000	1.34	Q				
38+50	0.0000	1.42	Q					43+55	0.0000	1.34	Q				
38+55	0.0000	1.42	Q					44+ 0	0.0000	1.34	Q				
39+ 0	0.0000	1.42	Q					44+ 5	0.0000	1.34	Q				
39+ 5	0.0000	1.42	Q					44+10	0.0000	1.34	Q				
39+10	0.0000	1.41	Q					44+15	0.0000	1.34	Q				
39+15	0.0000	1.41	Q					44+20	0.0000	1.33	Q				
39+20	0.0000	1.41	Q					44+25	0.0000	1.33	Q				
39+25	0.0000	1.41	Q					44+30	0.0000	1.33	Q				
39+30	0.0000	1.41	Q					44+35	0.0000	1.33	Q				
39+35	0.0000	1.41	Q					44+40	0.0000	1.33	Q				
39+40	0.0000	1.41	Q					44+45	0.0000	1.33	Q				
39+45	0.0000	1.41	Q					44+50	0.0000	1.33	Q				
39+50	0.0000	1.40	Q					44+55	0.0000	1.33	Q				
39+55	0.0000	1.40	Q					45+ 0	0.0000	1.32	Q				
40+ 0	0.0000	1.40	Q					45+ 5	0.0000	1.32	Q				
40+ 5	0.0000	1.40	Q					45+10	0.0000	1.32	Q				
40+10	0.0000	1.40	Q					45+15	0.0000	1.32	Q				
40+15	0.0000	1.40	Q					45+20	0.0000	1.32	Q				
40+20	0.0000	1.40	Q					45+25	0.0000	1.32	Q				
40+25	0.0000	1.40	Q					45+30	0.0000	1.32	Q				
40+30	0.0000	1.39	Q					45+35	0.0000	1.32	Q				
40+35	0.0000	1.39	Q					45+40	0.0000	1.31	Q				
40+40	0.0000	1.39	Q					45+45	0.0000	1.31	Q				
40+45	0.0000	1.39	Q					45+50	0.0000	1.31	Q				

45+55	0.0000	1.31	Q					51+ 0	0.0000	1.23	Q				
46+ 0	0.0000	1.31	Q					51+ 5	0.0000	1.23	Q				
46+ 5	0.0000	1.31	Q					51+10	0.0000	1.23	Q				
46+10	0.0000	1.31	Q					51+15	0.0000	1.23	Q				
46+15	0.0000	1.31	Q					51+20	0.0000	1.23	Q				
46+20	0.0000	1.30	Q					51+25	0.0000	1.23	Q				
46+25	0.0000	1.30	Q					51+30	0.0000	1.22	Q				
46+30	0.0000	1.30	Q					51+35	0.0000	1.22	Q				
46+35	0.0000	1.30	Q					51+40	0.0000	1.22	Q				
46+40	0.0000	1.30	Q					51+45	0.0000	1.22	Q				
46+45	0.0000	1.30	Q					51+50	0.0000	1.22	Q				
46+50	0.0000	1.30	Q					51+55	0.0000	1.22	Q				
46+55	0.0000	1.30	Q					52+ 0	0.0000	1.22	Q				
47+ 0	0.0000	1.29	Q					52+ 5	0.0000	1.22	Q				
47+ 5	0.0000	1.29	Q					52+10	0.0000	1.21	Q				
47+10	0.0000	1.29	Q					52+15	0.0000	1.21	Q				
47+15	0.0000	1.29	Q					52+20	0.0000	1.21	Q				
47+20	0.0000	1.29	Q					52+25	0.0000	1.21	Q				
47+25	0.0000	1.29	Q					52+30	0.0000	1.21	Q				
47+30	0.0000	1.29	Q					52+35	0.0000	1.21	Q				
47+35	0.0000	1.28	Q					52+40	0.0000	1.21	Q				
47+40	0.0000	1.28	Q					52+45	0.0000	1.21	Q				
47+45	0.0000	1.28	Q					52+50	0.0000	1.20	Q				
47+50	0.0000	1.28	Q					52+55	0.0000	1.20	Q				
47+55	0.0000	1.28	Q					53+ 0	0.0000	1.20	Q				
48+ 0	0.0000	1.28	Q					53+ 5	0.0000	1.20	Q				
48+ 5	0.0000	1.28	Q					53+10	0.0000	1.20	Q				
48+10	0.0000	1.28	Q					53+15	0.0000	1.20	Q				
48+15	0.0000	1.27	Q					53+20	0.0000	1.20	Q				
48+20	0.0000	1.27	Q					53+25	0.0000	1.20	Q				
48+25	0.0000	1.27	Q					53+30	0.0000	1.19	Q				
48+30	0.0000	1.27	Q					53+35	0.0000	1.19	Q				
48+35	0.0000	1.27	Q					53+40	0.0000	1.19	Q				
48+40	0.0000	1.27	Q					53+45	0.0000	1.19	Q				
48+45	0.0000	1.27	Q					53+50	0.0000	1.19	Q				
48+50	0.0000	1.27	Q					53+55	0.0000	1.19	Q				
48+55	0.0000	1.26	Q					54+ 0	0.0000	1.19	Q				
49+ 0	0.0000	1.26	Q					54+ 5	0.0000	1.18	Q				
49+ 5	0.0000	1.26	Q					54+10	0.0000	1.18	Q				
49+10	0.0000	1.26	Q					54+15	0.0000	1.18	Q				
49+15	0.0000	1.26	Q					54+20	0.0000	1.18	Q				
49+20	0.0000	1.26	Q					54+25	0.0000	1.18	Q				
49+25	0.0000	1.26	Q					54+30	0.0000	1.18	Q				
49+30	0.0000	1.26	Q					54+35	0.0000	1.17	Q				
49+35	0.0000	1.25	Q					54+40	0.0000	1.17	Q				
49+40	0.0000	1.25	Q					54+45	0.0000	1.17	Q				
49+45	0.0000	1.25	Q					54+50	0.0000	1.17	Q				
49+50	0.0000	1.25	Q					54+55	0.0000	1.17	Q				
49+55	0.0000	1.25	Q					55+ 0	0.0000	1.17	Q				
50+ 0	0.0000	1.25	Q					55+ 5	0.0000	1.16	Q				
50+ 5	0.0000	1.25	Q					55+10	0.0000	1.16	Q				
50+10	0.0000	1.24	Q					55+15	0.0000	1.16	Q				
50+15	0.0000	1.24	Q					55+20	0.0000	1.16	Q				
50+20	0.0000	1.24	Q					55+25	0.0000	1.16	Q				
50+25	0.0000	1.24	Q					55+30	0.0000	1.16	Q				
50+30	0.0000	1.24	Q					55+35	0.0000	1.15	Q				
50+35	0.0000	1.24	Q					55+40	0.0000	1.15	Q				
50+40	0.0000	1.24	Q					55+45	0.0000	1.15	Q				
50+45	0.0000	1.24	Q					55+50	0.0000	1.15	Q				
50+50	0.0000	1.23	Q					55+55	0.0000	1.15	Q				
50+55	0.0000	1.23	Q					56+ 0	0.0000	1.15	Q				

56+ 5	0.0000	1.14	Q					61+10	0.0000	1.05	Q				
56+10	0.0000	1.14	Q					61+15	0.0000	1.04	Q				
56+15	0.0000	1.14	Q					61+20	0.0000	1.04	Q				
56+20	0.0000	1.14	Q					61+25	0.0000	1.04	Q				
56+25	0.0000	1.14	Q					61+30	0.0000	1.04	Q				
56+30	0.0000	1.14	Q					61+35	0.0000	1.04	Q				
56+35	0.0000	1.13	Q					61+40	0.0000	1.04	Q				
56+40	0.0000	1.13	Q					61+45	0.0000	1.04	Q				
56+45	0.0000	1.13	Q					61+50	0.0000	1.03	Q				
56+50	0.0000	1.13	Q					61+55	0.0000	1.03	Q				
56+55	0.0000	1.13	Q					62+ 0	0.0000	1.03	Q				
57+ 0	0.0000	1.13	Q					62+ 5	0.0000	1.03	Q				
57+ 5	0.0000	1.12	Q					62+10	0.0000	1.03	Q				
57+10	0.0000	1.12	Q					62+15	0.0000	1.03	Q				
57+15	0.0000	1.12	Q					62+20	0.0000	1.02	Q				
57+20	0.0000	1.12	Q					62+25	0.0000	1.02	Q				
57+25	0.0000	1.12	Q					62+30	0.0000	1.02	Q				
57+30	0.0000	1.12	Q					62+35	0.0000	1.02	Q				
57+35	0.0000	1.11	Q					62+40	0.0000	1.02	Q				
57+40	0.0000	1.11	Q					62+45	0.0000	1.02	Q				
57+45	0.0000	1.11	Q					62+50	0.0000	1.02	Q				
57+50	0.0000	1.11	Q					62+55	0.0000	1.01	Q				
57+55	0.0000	1.11	Q					63+ 0	0.0000	1.01	Q				
58+ 0	0.0000	1.11	Q					63+ 5	0.0000	1.01	Q				
58+ 5	0.0000	1.10	Q					63+10	0.0000	1.01	Q				
58+10	0.0000	1.10	Q					63+15	0.0000	1.01	Q				
58+15	0.0000	1.10	Q					63+20	0.0000	1.01	Q				
58+20	0.0000	1.10	Q					63+25	0.0000	1.01	Q				
58+25	0.0000	1.10	Q					63+30	0.0000	1.00	Q				
58+30	0.0000	1.10	Q					63+35	0.0000	1.00	Q				
58+35	0.0000	1.09	Q					63+40	0.0000	1.00	Q				
58+40	0.0000	1.09	Q					63+45	0.0000	1.00	Q				
58+45	0.0000	1.09	Q					63+50	0.0000	1.00	Q				
58+50	0.0000	1.09	Q					63+55	0.0000	1.00	Q				
58+55	0.0000	1.09	Q					64+ 0	0.0000	1.00	Q				
59+ 0	0.0000	1.09	Q					64+ 5	0.0000	0.99	Q				
59+ 5	0.0000	1.09	Q					64+10	0.0000	0.99	Q				
59+10	0.0000	1.08	Q					64+15	0.0000	0.99	Q				
59+15	0.0000	1.08	Q					64+20	0.0000	0.99	Q				
59+20	0.0000	1.08	Q					64+25	0.0000	0.99	Q				
59+25	0.0000	1.08	Q					64+30	0.0000	0.99	Q				
59+30	0.0000	1.08	Q					64+35	0.0000	0.99	Q				
59+35	0.0000	1.08	Q					64+40	0.0000	0.98	Q				
59+40	0.0000	1.07	Q					64+45	0.0000	0.98	Q				
59+45	0.0000	1.07	Q					64+50	0.0000	0.98	Q				
59+50	0.0000	1.07	Q					64+55	0.0000	0.98	Q				
59+55	0.0000	1.07	Q					65+ 0	0.0000	0.98	Q				
60+ 0	0.0000	1.07	Q					65+ 5	0.0000	0.98	Q				
60+ 5	0.0000	1.07	Q					65+10	0.0000	0.98	Q				
60+10	0.0000	1.06	Q					65+15	0.0000	0.97	Q				
60+15	0.0000	1.06	Q					65+20	0.0000	0.97	Q				
60+20	0.0000	1.06	Q					65+25	0.0000	0.97	Q				
60+25	0.0000	1.06	Q					65+30	0.0000	0.97	Q				
60+30	0.0000	1.06	Q					65+35	0.0000	0.97	Q				
60+35	0.0000	1.06	Q					65+40	0.0000	0.97	Q				
60+40	0.0000	1.06	Q					65+45	0.0000	0.97	Q				
60+45	0.0000	1.05	Q					65+50	0.0000	0.96	Q				
60+50	0.0000	1.05	Q					65+55	0.0000	0.96	Q				
60+55	0.0000	1.05	Q					66+ 0	0.0000	0.96	Q				
61+ 0	0.0000	1.05	Q					66+ 5	0.0000	0.96	Q				
61+ 5	0.0000	1.05	Q					66+10	0.0000	0.96	Q				

66+15	0.0000	0.96	Q					71+20	0.0000	0.85	Q				
66+20	0.0000	0.96	Q					71+25	0.0000	0.85	Q				
66+25	0.0000	0.95	Q					71+30	0.0000	0.85	Q				
66+30	0.0000	0.95	Q					71+35	0.0000	0.84	Q				
66+35	0.0000	0.95	Q					71+40	0.0000	0.84	Q				
66+40	0.0000	0.95	Q					71+45	0.0000	0.84	Q				
66+45	0.0000	0.95	Q					71+50	0.0000	0.84	Q				
66+50	0.0000	0.95	Q					71+55	0.0000	0.83	Q				
66+55	0.0000	0.95	Q					72+ 0	0.0000	0.83	Q				
67+ 0	0.0000	0.94	Q					72+ 5	0.0000	0.83	Q				
67+ 5	0.0000	0.94	Q					72+10	0.0000	0.83	Q				
67+10	0.0000	0.94	Q					72+15	0.0000	0.83	Q				
67+15	0.0000	0.94	Q					72+20	0.0000	0.82	Q				
67+20	0.0000	0.94	Q					72+25	0.0000	0.82	Q				
67+25	0.0000	0.94	Q					72+30	0.0000	0.82	Q				
67+30	0.0000	0.94	Q					72+35	0.0000	0.82	Q				
67+35	0.0000	0.93	Q					72+40	0.0000	0.82	Q				
67+40	0.0000	0.93	Q					72+45	0.0000	0.81	Q				
67+45	0.0000	0.93	Q					72+50	0.0000	0.81	Q				
67+50	0.0000	0.93	Q					72+55	0.0000	0.81	Q				
67+55	0.0000	0.93	Q					73+ 0	0.0000	0.81	Q				
68+ 0	0.0000	0.93	Q					73+ 5	0.0000	0.81	Q				
68+ 5	0.0000	0.93	Q					73+10	0.0000	0.80	Q				
68+10	0.0000	0.93	Q					73+15	0.0000	0.80	Q				
68+15	0.0000	0.92	Q					73+20	0.0000	0.80	Q				
68+20	0.0000	0.92	Q					73+25	0.0000	0.80	Q				
68+25	0.0000	0.92	Q					73+30	0.0000	0.79	Q				
68+30	0.0000	0.92	Q					73+35	0.0000	0.79	Q				
68+35	0.0000	0.92	Q					73+40	0.0000	0.79	Q				
68+40	0.0000	0.92	Q					73+45	0.0000	0.79	Q				
68+45	0.0000	0.92	Q					73+50	0.0000	0.79	Q				
68+50	0.0000	0.91	Q					73+55	0.0000	0.78	Q				
68+55	0.0000	0.91	Q					74+ 0	0.0000	0.78	Q				
69+ 0	0.0000	0.91	Q					74+ 5	0.0000	0.78	Q				
69+ 5	0.0000	0.91	Q					74+10	0.0000	0.78	Q				
69+10	0.0000	0.91	Q					74+15	0.0000	0.78	Q				
69+15	0.0000	0.91	Q					74+20	0.0000	0.77	Q				
69+20	0.0000	0.90	Q					74+25	0.0000	0.77	Q				
69+25	0.0000	0.90	Q					74+30	0.0000	0.77	Q				
69+30	0.0000	0.90	Q					74+35	0.0000	0.77	Q				
69+35	0.0000	0.90	Q					74+40	0.0000	0.77	Q				
69+40	0.0000	0.89	Q					74+45	0.0000	0.76	Q				
69+45	0.0000	0.89	Q					74+50	0.0000	0.76	Q				
69+50	0.0000	0.89	Q					74+55	0.0000	0.76	Q				
69+55	0.0000	0.89	Q					75+ 0	0.0000	0.76	Q				
70+ 0	0.0000	0.89	Q					75+ 5	0.0000	0.76	Q				
70+ 5	0.0000	0.88	Q					75+10	0.0000	0.76	Q				
70+10	0.0000	0.88	Q					75+15	0.0000	0.75	Q				
70+15	0.0000	0.88	Q					75+20	0.0000	0.75	Q				
70+20	0.0000	0.88	Q					75+25	0.0000	0.75	Q				
70+25	0.0000	0.87	Q					75+30	0.0000	0.75	Q				
70+30	0.0000	0.87	Q					75+35	0.0000	0.75	Q				
70+35	0.0000	0.87	Q					75+40	0.0000	0.74	Q				
70+40	0.0000	0.87	Q					75+45	0.0000	0.74	Q				
70+45	0.0000	0.86	Q					75+50	0.0000	0.74	Q				
70+50	0.0000	0.86	Q					75+55	0.0000	0.74	Q				
70+55	0.0000	0.86	Q					76+ 0	0.0000	0.74	Q				
71+ 0	0.0000	0.86	Q					76+ 5	0.0000	0.73	Q				
71+ 5	0.0000	0.86	Q					76+10	0.0000	0.73	Q				
71+10	0.0000	0.85	Q					76+15	0.0000	0.73	Q				
71+15	0.0000	0.85	Q					76+20	0.0000	0.73	Q				

76+25	0.0000	0.73	Q					81+30	0.0000	0.62	Q				
76+30	0.0000	0.72	Q					81+35	0.0000	0.62	Q				
76+35	0.0000	0.72	Q					81+40	0.0000	0.62	Q				
76+40	0.0000	0.72	Q					81+45	0.0000	0.62	Q				
76+45	0.0000	0.72	Q					81+50	0.0000	0.62	Q				
76+50	0.0000	0.72	Q					81+55	0.0000	0.61	Q				
76+55	0.0000	0.72	Q					82+ 0	0.0000	0.61	Q				
77+ 0	0.0000	0.71	Q					82+ 5	0.0000	0.61	Q				
77+ 5	0.0000	0.71	Q					82+10	0.0000	0.61	Q				
77+10	0.0000	0.71	Q					82+15	0.0000	0.61	Q				
77+15	0.0000	0.71	Q					82+20	0.0000	0.61	Q				
77+20	0.0000	0.71	Q					82+25	0.0000	0.60	Q				
77+25	0.0000	0.70	Q					82+30	0.0000	0.60	Q				
77+30	0.0000	0.70	Q					82+35	0.0000	0.60	Q				
77+35	0.0000	0.70	Q					82+40	0.0000	0.60	Q				
77+40	0.0000	0.70	Q					82+45	0.0000	0.60	Q				
77+45	0.0000	0.70	Q					82+50	0.0000	0.60	Q				
77+50	0.0000	0.70	Q					82+55	0.0000	0.60	Q				
77+55	0.0000	0.69	Q					83+ 0	0.0000	0.59	Q				
78+ 0	0.0000	0.69	Q					83+ 5	0.0000	0.59	Q				
78+ 5	0.0000	0.69	Q					83+10	0.0000	0.59	Q				
78+10	0.0000	0.69	Q					83+15	0.0000	0.59	Q				
78+15	0.0000	0.69	Q					83+20	0.0000	0.59	Q				
78+20	0.0000	0.69	Q					83+25	0.0000	0.59	Q				
78+25	0.0000	0.68	Q					83+30	0.0000	0.58	Q				
78+30	0.0000	0.68	Q					83+35	0.0000	0.58	Q				
78+35	0.0000	0.68	Q					83+40	0.0000	0.58	Q				
78+40	0.0000	0.68	Q					83+45	0.0000	0.58	Q				
78+45	0.0000	0.68	Q					83+50	0.0000	0.58	Q				
78+50	0.0000	0.67	Q					83+55	0.0000	0.58	Q				
78+55	0.0000	0.67	Q					84+ 0	0.0000	0.58	Q				
79+ 0	0.0000	0.67	Q					84+ 5	0.0000	0.57	Q				
79+ 5	0.0000	0.67	Q					84+10	0.0000	0.57	Q				
79+10	0.0000	0.67	Q					84+15	0.0000	0.57	Q				
79+15	0.0000	0.67	Q					84+20	0.0000	0.57	Q				
79+20	0.0000	0.66	Q					84+25	0.0000	0.57	Q				
79+25	0.0000	0.66	Q					84+30	0.0000	0.57	Q				
79+30	0.0000	0.66	Q					84+35	0.0000	0.57	Q				
79+35	0.0000	0.66	Q					84+40	0.0000	0.56	Q				
79+40	0.0000	0.66	Q					84+45	0.0000	0.56	Q				
79+45	0.0000	0.66	Q					84+50	0.0000	0.56	Q				
79+50	0.0000	0.65	Q					84+55	0.0000	0.56	Q				
79+55	0.0000	0.65	Q					85+ 0	0.0000	0.56	Q				
80+ 0	0.0000	0.65	Q					85+ 5	0.0000	0.56	Q				
80+ 5	0.0000	0.65	Q					85+10	0.0000	0.56	Q				
80+10	0.0000	0.65	Q					85+15	0.0000	0.55	Q				
80+15	0.0000	0.65	Q					85+20	0.0000	0.55	Q				
80+20	0.0000	0.64	Q					85+25	0.0000	0.55	Q				
80+25	0.0000	0.64	Q					85+30	0.0000	0.55	Q				
80+30	0.0000	0.64	Q					85+35	0.0000	0.55	Q				
80+35	0.0000	0.64	Q					85+40	0.0000	0.55	Q				
80+40	0.0000	0.64	Q					85+45	0.0000	0.55	Q				
80+45	0.0000	0.64	Q					85+50	0.0000	0.54	Q				
80+50	0.0000	0.63	Q					85+55	0.0000	0.54	Q				
80+55	0.0000	0.63	Q					86+ 0	0.0000	0.54	Q				
81+ 0	0.0000	0.63	Q					86+ 5	0.0000	0.54	Q				
81+ 5	0.0000	0.63	Q					86+10	0.0000	0.54	Q				
81+10	0.0000	0.63	Q					86+15	0.0000	0.54	Q				
81+15	0.0000	0.63	Q					86+20	0.0000	0.54	Q				
81+20	0.0000	0.62	Q					86+25	0.0000	0.53	Q				
81+25	0.0000	0.62	Q					86+30	0.0000	0.53	Q				

86+35	0.0000	0.53	Q					91+40	0.0000	0.38	Q				
86+40	0.0000	0.53	Q					91+45	0.0000	0.38	Q				
86+45	0.0000	0.53	Q					91+50	0.0000	0.38	Q				
86+50	0.0000	0.53	Q					91+55	0.0000	0.37	Q				
86+55	0.0000	0.53	Q					92+ 0	0.0000	0.37	Q				
87+ 0	0.0000	0.53	Q					92+ 5	0.0000	0.37	Q				
87+ 5	0.0000	0.52	Q					92+10	0.0000	0.37	Q				
87+10	0.0000	0.52	Q					92+15	0.0000	0.36	Q				
87+15	0.0000	0.52	Q					92+20	0.0000	0.36	Q				
87+20	0.0000	0.52	Q					92+25	0.0000	0.36	Q				
87+25	0.0000	0.52	Q					92+30	0.0000	0.36	Q				
87+30	0.0000	0.52	Q					92+35	0.0000	0.35	Q				
87+35	0.0000	0.52	Q					92+40	0.0000	0.35	Q				
87+40	0.0000	0.51	Q					92+45	0.0000	0.35	Q				
87+45	0.0000	0.51	Q					92+50	0.0000	0.35	Q				
87+50	0.0000	0.51	Q					92+55	0.0000	0.34	Q				
87+55	0.0000	0.51	Q					93+ 0	0.0000	0.34	Q				
88+ 0	0.0000	0.51	Q					93+ 5	0.0000	0.34	Q				
88+ 5	0.0000	0.51	Q					93+10	0.0000	0.34	Q				
88+10	0.0000	0.51	Q					93+15	0.0000	0.33	Q				
88+15	0.0000	0.51	Q					93+20	0.0000	0.33	Q				
88+20	0.0000	0.50	Q					93+25	0.0000	0.33	Q				
88+25	0.0000	0.50	Q					93+30	0.0000	0.33	Q				
88+30	0.0000	0.50	Q					93+35	0.0000	0.32	Q				
88+35	0.0000	0.50	Q					93+40	0.0000	0.32	Q				
88+40	0.0000	0.50	Q					93+45	0.0000	0.32	Q				
88+45	0.0000	0.49	Q					93+50	0.0000	0.32	Q				
88+50	0.0000	0.49	Q					93+55	0.0000	0.31	Q				
88+55	0.0000	0.49	Q					94+ 0	0.0000	0.31	Q				
89+ 0	0.0000	0.48	Q					94+ 5	0.0000	0.31	Q				
89+ 5	0.0000	0.48	Q					94+10	0.0000	0.31	Q				
89+10	0.0000	0.48	Q					94+15	0.0000	0.31	Q				
89+15	0.0000	0.47	Q					94+20	0.0000	0.30	Q				
89+20	0.0000	0.47	Q					94+25	0.0000	0.30	Q				
89+25	0.0000	0.47	Q					94+30	0.0000	0.30	Q				
89+30	0.0000	0.46	Q					94+35	0.0000	0.30	Q				
89+35	0.0000	0.46	Q					94+40	0.0000	0.29	Q				
89+40	0.0000	0.46	Q					94+45	0.0000	0.29	Q				
89+45	0.0000	0.45	Q					94+50	0.0000	0.29	Q				
89+50	0.0000	0.45	Q					94+55	0.0000	0.29	Q				
89+55	0.0000	0.45	Q					95+ 0	0.0000	0.29	Q				
90+ 0	0.0000	0.44	Q					95+ 5	0.0000	0.28	Q				
90+ 5	0.0000	0.44	Q					95+10	0.0000	0.28	Q				
90+10	0.0000	0.44	Q					95+15	0.0000	0.28	Q				
90+15	0.0000	0.43	Q					95+20	0.0000	0.28	Q				
90+20	0.0000	0.43	Q					95+25	0.0000	0.28	Q				
90+25	0.0000	0.43	Q					95+30	0.0000	0.27	Q				
90+30	0.0000	0.42	Q					95+35	0.0000	0.27	Q				
90+35	0.0000	0.42	Q					95+40	0.0000	0.27	Q				
90+40	0.0000	0.42	Q					95+45	0.0000	0.27	Q				
90+45	0.0000	0.41	Q					95+50	0.0000	0.27	Q				
90+50	0.0000	0.41	Q					95+55	0.0000	0.26	Q				
90+55	0.0000	0.41	Q					96+ 0	0.0000	0.26	Q				
91+ 0	0.0000	0.41	Q					96+ 5	0.0000	0.26	Q				
91+ 5	0.0000	0.40	Q					96+10	0.0000	0.26	Q				
91+10	0.0000	0.40	Q					96+15	0.0000	0.26	Q				
91+15	0.0000	0.40	Q					96+20	0.0000	0.25	Q				
91+20	0.0000	0.39	Q					96+25	0.0000	0.25	Q				
91+25	0.0000	0.39	Q					96+30	0.0000	0.25	Q				
91+30	0.0000	0.39	Q					96+35	0.0000	0.25	Q				
91+35	0.0000	0.39	Q					96+40	0.0000	0.25	Q				

96+45	0.0000	0.25	Q					101+50	0.0000	0.16	Q				
96+50	0.0000	0.24	Q					101+55	0.0000	0.16	Q				
96+55	0.0000	0.24	Q					102+ 0	0.0000	0.16	Q				
97+ 0	0.0000	0.24	Q					102+ 5	0.0000	0.15	Q				
97+ 5	0.0000	0.24	Q					102+10	0.0000	0.15	Q				
97+10	0.0000	0.24	Q					102+15	0.0000	0.15	Q				
97+15	0.0000	0.24	Q					102+20	0.0000	0.15	Q				
97+20	0.0000	0.23	Q					102+25	0.0000	0.15	Q				
97+25	0.0000	0.23	Q					102+30	0.0000	0.15	Q				
97+30	0.0000	0.23	Q					102+35	0.0000	0.15	Q				
97+35	0.0000	0.23	Q					102+40	0.0000	0.15	Q				
97+40	0.0000	0.23	Q					102+45	0.0000	0.15	Q				
97+45	0.0000	0.23	Q					102+50	0.0000	0.14	Q				
97+50	0.0000	0.22	Q					102+55	0.0000	0.14	Q				
97+55	0.0000	0.22	Q					103+ 0	0.0000	0.14	Q				
98+ 0	0.0000	0.22	Q					103+ 5	0.0000	0.14	Q				
98+ 5	0.0000	0.22	Q					103+10	0.0000	0.14	Q				
98+10	0.0000	0.22	Q					103+15	0.0000	0.14	Q				
98+15	0.0000	0.22	Q					103+20	0.0000	0.14	Q				
98+20	0.0000	0.21	Q					103+25	0.0000	0.14	Q				
98+25	0.0000	0.21	Q					103+30	0.0000	0.14	Q				
98+30	0.0000	0.21	Q					103+35	0.0000	0.14	Q				
98+35	0.0000	0.21	Q					103+40	0.0000	0.13	Q				
98+40	0.0000	0.21	Q					103+45	0.0000	0.13	Q				
98+45	0.0000	0.21	Q					103+50	0.0000	0.13	Q				
98+50	0.0000	0.21	Q					103+55	0.0000	0.13	Q				
98+55	0.0000	0.20	Q					104+ 0	0.0000	0.13	Q				
99+ 0	0.0000	0.20	Q					104+ 5	0.0000	0.13	Q				
99+ 5	0.0000	0.20	Q					104+10	0.0000	0.13	Q				
99+10	0.0000	0.20	Q					104+15	0.0000	0.13	Q				
99+15	0.0000	0.20	Q					104+20	0.0000	0.13	Q				
99+20	0.0000	0.20	Q					104+25	0.0000	0.13	Q				
99+25	0.0000	0.19	Q					104+30	0.0000	0.13	Q				
99+30	0.0000	0.19	Q					104+35	0.0000	0.12	Q				
99+35	0.0000	0.19	Q					104+40	0.0000	0.12	Q				
99+40	0.0000	0.19	Q					104+45	0.0000	0.12	Q				
99+45	0.0000	0.19	Q					104+50	0.0000	0.12	Q				
99+50	0.0000	0.19	Q					104+55	0.0000	0.12	Q				
99+55	0.0000	0.19	Q					105+ 0	0.0000	0.12	Q				
100+ 0	0.0000	0.19	Q					105+ 5	0.0000	0.12	Q				
100+ 5	0.0000	0.18	Q					105+10	0.0000	0.12	Q				
100+10	0.0000	0.18	Q					105+15	0.0000	0.12	Q				
100+15	0.0000	0.18	Q					105+20	0.0000	0.12	Q				
100+20	0.0000	0.18	Q					105+25	0.0000	0.12	Q				
100+25	0.0000	0.18	Q					105+30	0.0000	0.11	Q				
100+30	0.0000	0.18	Q					105+35	0.0000	0.11	Q				
100+35	0.0000	0.18	Q					105+40	0.0000	0.11	Q				
100+40	0.0000	0.17	Q					105+45	0.0000	0.11	Q				
100+45	0.0000	0.17	Q					105+50	0.0000	0.11	Q				
100+50	0.0000	0.17	Q					105+55	0.0000	0.11	Q				
100+55	0.0000	0.17	Q					106+ 0	0.0000	0.11	Q				
101+ 0	0.0000	0.17	Q					106+ 5	0.0000	0.11	Q				
101+ 5	0.0000	0.17	Q					106+10	0.0000	0.11	Q				
101+10	0.0000	0.17	Q					106+15	0.0000	0.11	Q				
101+15	0.0000	0.17	Q					106+20	0.0000	0.11	Q				
101+20	0.0000	0.17	Q					106+25	0.0000	0.11	Q				
101+25	0.0000	0.16	Q					106+30	0.0000	0.11	Q				
101+30	0.0000	0.16	Q					106+35	0.0000	0.10	Q				
101+35	0.0000	0.16	Q					106+40	0.0000	0.10	Q				
101+40	0.0000	0.16	Q					106+45	0.0000	0.10	Q				
101+45	0.0000	0.16	Q					106+50	0.0000	0.10	Q				

106+55	0.0000	0.10	Q					112+ 0	0.0000	0.07	Q				
107+ 0	0.0000	0.10	Q					112+ 5	0.0000	0.06	Q				
107+ 5	0.0000	0.10	Q					112+10	0.0000	0.06	Q				
107+10	0.0000	0.10	Q					112+15	0.0000	0.06	Q				
107+15	0.0000	0.10	Q					112+20	0.0000	0.06	Q				
107+20	0.0000	0.10	Q					112+25	0.0000	0.06	Q				
107+25	0.0000	0.10	Q					112+30	0.0000	0.06	Q				
107+30	0.0000	0.10	Q					112+35	0.0000	0.06	Q				
107+35	0.0000	0.10	Q					112+40	0.0000	0.06	Q				
107+40	0.0000	0.10	Q					112+45	0.0000	0.06	Q				
107+45	0.0000	0.09	Q					112+50	0.0000	0.06	Q				
107+50	0.0000	0.09	Q					112+55	0.0000	0.06	Q				
107+55	0.0000	0.09	Q					113+ 0	0.0000	0.06	Q				
108+ 0	0.0000	0.09	Q					113+ 5	0.0000	0.06	Q				
108+ 5	0.0000	0.09	Q					113+10	0.0000	0.06	Q				
108+10	0.0000	0.09	Q					113+15	0.0000	0.06	Q				
108+15	0.0000	0.09	Q					113+20	0.0000	0.06	Q				
108+20	0.0000	0.09	Q					113+25	0.0000	0.06	Q				
108+25	0.0000	0.09	Q					113+30	0.0000	0.06	Q				
108+30	0.0000	0.09	Q					113+35	0.0000	0.06	Q				
108+35	0.0000	0.09	Q					113+40	0.0000	0.06	Q				
108+40	0.0000	0.09	Q					113+45	0.0000	0.06	Q				
108+45	0.0000	0.09	Q					113+50	0.0000	0.06	Q				
108+50	0.0000	0.09	Q					113+55	0.0000	0.06	Q				
108+55	0.0000	0.09	Q					114+ 0	0.0000	0.05	Q				
109+ 0	0.0000	0.08	Q					114+ 5	0.0000	0.05	Q				
109+ 5	0.0000	0.08	Q					114+10	0.0000	0.05	Q				
109+10	0.0000	0.08	Q					114+15	0.0000	0.05	Q				
109+15	0.0000	0.08	Q					114+20	0.0000	0.05	Q				
109+20	0.0000	0.08	Q					114+25	0.0000	0.05	Q				
109+25	0.0000	0.08	Q					114+30	0.0000	0.05	Q				
109+30	0.0000	0.08	Q					114+35	0.0000	0.05	Q				
109+35	0.0000	0.08	Q					114+40	0.0000	0.05	Q				
109+40	0.0000	0.08	Q					114+45	0.0000	0.05	Q				
109+45	0.0000	0.08	Q					114+50	0.0000	0.05	Q				
109+50	0.0000	0.08	Q					114+55	0.0000	0.05	Q				
109+55	0.0000	0.08	Q					115+ 0	0.0000	0.05	Q				
110+ 0	0.0000	0.08	Q					115+ 5	0.0000	0.05	Q				
110+ 5	0.0000	0.08	Q					115+10	0.0000	0.05	Q				
110+10	0.0000	0.08	Q					115+15	0.0000	0.05	Q				
110+15	0.0000	0.08	Q					115+20	0.0000	0.05	Q				
110+20	0.0000	0.08	Q					115+25	0.0000	0.05	Q				
110+25	0.0000	0.07	Q					115+30	0.0000	0.05	Q				
110+30	0.0000	0.07	Q					115+35	0.0000	0.05	Q				
110+35	0.0000	0.07	Q					115+40	0.0000	0.05	Q				
110+40	0.0000	0.07	Q					115+45	0.0000	0.05	Q				
110+45	0.0000	0.07	Q					115+50	0.0000	0.05	Q				
110+50	0.0000	0.07	Q					115+55	0.0000	0.05	Q				
110+55	0.0000	0.07	Q					116+ 0	0.0000	0.05	Q				
111+ 0	0.0000	0.07	Q					116+ 5	0.0000	0.05	Q				
111+ 5	0.0000	0.07	Q					116+10	0.0000	0.05	Q				
111+10	0.0000	0.07	Q					116+15	0.0000	0.05	Q				
111+15	0.0000	0.07	Q					116+20	0.0000	0.04	Q				
111+20	0.0000	0.07	Q					116+25	0.0000	0.04	Q				
111+25	0.0000	0.07	Q					116+30	0.0000	0.04	Q				
111+30	0.0000	0.07	Q					116+35	0.0000	0.04	Q				
111+35	0.0000	0.07	Q					116+40	0.0000	0.04	Q				
111+40	0.0000	0.07	Q					116+45	0.0000	0.04	Q				
111+45	0.0000	0.07	Q					116+50	0.0000	0.04	Q				
111+50	0.0000	0.07	Q					116+55	0.0000	0.04	Q				
111+55	0.0000	0.07	Q					117+ 0	0.0000	0.04	Q				

117+ 5	0.0000	0.04	Q					122+10	0.0000	0.03	Q				
117+10	0.0000	0.04	Q					122+15	0.0000	0.03	Q				
117+15	0.0000	0.04	Q					122+20	0.0000	0.03	Q				
117+20	0.0000	0.04	Q					122+25	0.0000	0.03	Q				
117+25	0.0000	0.04	Q					122+30	0.0000	0.03	Q				
117+30	0.0000	0.04	Q					122+35	0.0000	0.03	Q				
117+35	0.0000	0.04	Q					122+40	0.0000	0.03	Q				
117+40	0.0000	0.04	Q					122+45	0.0000	0.03	Q				
117+45	0.0000	0.04	Q					122+50	0.0000	0.03	Q				
117+50	0.0000	0.04	Q					122+55	0.0000	0.03	Q				
117+55	0.0000	0.04	Q					123+ 0	0.0000	0.03	Q				
118+ 0	0.0000	0.04	Q					123+ 5	0.0000	0.02	Q				
118+ 5	0.0000	0.04	Q					123+10	0.0000	0.02	Q				
118+10	0.0000	0.04	Q					123+15	0.0000	0.02	Q				
118+15	0.0000	0.04	Q					123+20	0.0000	0.02	Q				
118+20	0.0000	0.04	Q					123+25	0.0000	0.02	Q				
118+25	0.0000	0.04	Q					123+30	0.0000	0.02	Q				
118+30	0.0000	0.04	Q					123+35	0.0000	0.02	Q				
118+35	0.0000	0.04	Q					123+40	0.0000	0.02	Q				
118+40	0.0000	0.04	Q					123+45	0.0000	0.02	Q				
118+45	0.0000	0.04	Q					123+50	0.0000	0.02	Q				
118+50	0.0000	0.04	Q					123+55	0.0000	0.02	Q				
118+55	0.0000	0.04	Q					124+ 0	0.0000	0.02	Q				
119+ 0	0.0000	0.04	Q					124+ 5	0.0000	0.02	Q				
119+ 5	0.0000	0.04	Q					124+10	0.0000	0.02	Q				
119+10	0.0000	0.03	Q					124+15	0.0000	0.02	Q				
119+15	0.0000	0.03	Q					124+20	0.0000	0.02	Q				
119+20	0.0000	0.03	Q					124+25	0.0000	0.02	Q				
119+25	0.0000	0.03	Q					124+30	0.0000	0.02	Q				
119+30	0.0000	0.03	Q					124+35	0.0000	0.02	Q				
119+35	0.0000	0.03	Q					124+40	0.0000	0.02	Q				
119+40	0.0000	0.03	Q					124+45	0.0000	0.02	Q				
119+45	0.0000	0.03	Q					124+50	0.0000	0.02	Q				
119+50	0.0000	0.03	Q					124+55	0.0000	0.02	Q				
119+55	0.0000	0.03	Q					125+ 0	0.0000	0.02	Q				
120+ 0	0.0000	0.03	Q					125+ 5	0.0000	0.02	Q				
120+ 5	0.0000	0.03	Q					125+10	0.0000	0.02	Q				
120+10	0.0000	0.03	Q					125+15	0.0000	0.02	Q				
120+15	0.0000	0.03	Q					125+20	0.0000	0.02	Q				
120+20	0.0000	0.03	Q					125+25	0.0000	0.02	Q				
120+25	0.0000	0.03	Q					125+30	0.0000	0.02	Q				
120+30	0.0000	0.03	Q					125+35	0.0000	0.02	Q				
120+35	0.0000	0.03	Q					125+40	0.0000	0.02	Q				
120+40	0.0000	0.03	Q					125+45	0.0000	0.02	Q				
120+45	0.0000	0.03	Q					125+50	0.0000	0.02	Q				
120+50	0.0000	0.03	Q					125+55	0.0000	0.02	Q				
120+55	0.0000	0.03	Q					126+ 0	0.0000	0.02	Q				
121+ 0	0.0000	0.03	Q					126+ 5	0.0000	0.02	Q				
121+ 5	0.0000	0.03	Q					126+10	0.0000	0.02	Q				
121+10	0.0000	0.03	Q					126+15	0.0000	0.02	Q				
121+15	0.0000	0.03	Q					126+20	0.0000	0.02	Q				
121+20	0.0000	0.03	Q					126+25	0.0000	0.02	Q				
121+25	0.0000	0.03	Q					126+30	0.0000	0.02	Q				
121+30	0.0000	0.03	Q					126+35	0.0000	0.02	Q				
121+35	0.0000	0.03	Q					126+40	0.0000	0.02	Q				
121+40	0.0000	0.03	Q					126+45	0.0000	0.02	Q				
121+45	0.0000	0.03	Q					126+50	0.0000	0.02	Q				
121+50	0.0000	0.03	Q					126+55	0.0000	0.02	Q				
121+55	0.0000	0.03	Q					127+ 0	0.0000	0.02	Q				
122+ 0	0.0000	0.03	Q					127+ 5	0.0000	0.02	Q				
122+ 5	0.0000	0.03	Q					127+10	0.0000	0.02	Q				

127+15	0.0000	0.02	Q					132+20	0.0000	0.01	Q				
127+20	0.0000	0.02	Q					132+25	0.0000	0.01	Q				
127+25	0.0000	0.02	Q					132+30	0.0000	0.01	Q				
127+30	0.0000	0.02	Q					132+35	0.0000	0.01	Q				
127+35	0.0000	0.02	Q					132+40	0.0000	0.01	Q				
127+40	0.0000	0.02	Q					132+45	0.0000	0.01	Q				
127+45	0.0000	0.02	Q					132+50	0.0000	0.01	Q				
127+50	0.0000	0.02	Q					132+55	0.0000	0.01	Q				
127+55	0.0000	0.02	Q					133+ 0	0.0000	0.01	Q				
128+ 0	0.0000	0.02	Q					133+ 5	0.0000	0.01	Q				
128+ 5	0.0000	0.02	Q					133+10	0.0000	0.01	Q				
128+10	0.0000	0.02	Q					133+15	0.0000	0.01	Q				
128+15	0.0000	0.02	Q					133+20	0.0000	0.01	Q				
128+20	0.0000	0.02	Q					133+25	0.0000	0.01	Q				
128+25	0.0000	0.02	Q					133+30	0.0000	0.01	Q				
128+30	0.0000	0.02	Q					133+35	0.0000	0.01	Q				
128+35	0.0000	0.02	Q					133+40	0.0000	0.01	Q				
128+40	0.0000	0.02	Q					133+45	0.0000	0.01	Q				
128+45	0.0000	0.02	Q					133+50	0.0000	0.01	Q				
128+50	0.0000	0.02	Q					133+55	0.0000	0.01	Q				
128+55	0.0000	0.01	Q					134+ 0	0.0000	0.01	Q				
129+ 0	0.0000	0.01	Q					134+ 5	0.0000	0.01	Q				
129+ 5	0.0000	0.01	Q					134+10	0.0000	0.01	Q				
129+10	0.0000	0.01	Q					134+15	0.0000	0.01	Q				
129+15	0.0000	0.01	Q					134+20	0.0000	0.01	Q				
129+20	0.0000	0.01	Q					134+25	0.0000	0.01	Q				
129+25	0.0000	0.01	Q					134+30	0.0000	0.01	Q				
129+30	0.0000	0.01	Q					134+35	0.0000	0.01	Q				
129+35	0.0000	0.01	Q					134+40	0.0000	0.01	Q				
129+40	0.0000	0.01	Q					134+45	0.0000	0.01	Q				
129+45	0.0000	0.01	Q					134+50	0.0000	0.01	Q				
129+50	0.0000	0.01	Q					134+55	0.0000	0.01	Q				
129+55	0.0000	0.01	Q					135+ 0	0.0000	0.01	Q				
130+ 0	0.0000	0.01	Q					135+ 5	0.0000	0.01	Q				
130+ 5	0.0000	0.01	Q					135+10	0.0000	0.01	Q				
130+10	0.0000	0.01	Q					135+15	0.0000	0.01	Q				
130+15	0.0000	0.01	Q					135+20	0.0000	0.01	Q				
130+20	0.0000	0.01	Q					135+25	0.0000	0.01	Q				
130+25	0.0000	0.01	Q					135+30	0.0000	0.01	Q				
130+30	0.0000	0.01	Q					135+35	0.0000	0.01	Q				
130+35	0.0000	0.01	Q					135+40	0.0000	0.01	Q				
130+40	0.0000	0.01	Q					135+45	0.0000	0.01	Q				
130+45	0.0000	0.01	Q					135+50	0.0000	0.01	Q				
130+50	0.0000	0.01	Q					135+55	0.0000	0.01	Q				
130+55	0.0000	0.01	Q					136+ 0	0.0000	0.01	Q				
131+ 0	0.0000	0.01	Q					136+ 5	0.0000	0.01	Q				
131+ 5	0.0000	0.01	Q					136+10	0.0000	0.01	Q				
131+10	0.0000	0.01	Q					136+15	0.0000	0.01	Q				
131+15	0.0000	0.01	Q					136+20	0.0000	0.01	Q				
131+20	0.0000	0.01	Q					136+25	0.0000	0.01	Q				
131+25	0.0000	0.01	Q					136+30	0.0000	0.01	Q				
131+30	0.0000	0.01	Q					136+35	0.0000	0.01	Q				
131+35	0.0000	0.01	Q					136+40	0.0000	0.01	Q				
131+40	0.0000	0.01	Q					136+45	0.0000	0.01	Q				
131+45	0.0000	0.01	Q					136+50	0.0000	0.01	Q				
131+50	0.0000	0.01	Q					136+55	0.0000	0.01	Q				
131+55	0.0000	0.01	Q					137+ 0	0.0000	0.01	Q				
132+ 0	0.0000	0.01	Q					137+ 5	0.0000	0.01	Q				
132+ 5	0.0000	0.01	Q					137+10	0.0000	0.01	Q				
132+10	0.0000	0.01	Q					137+15	0.0000	0.01	Q				
132+15	0.0000	0.01	Q					137+20	0.0000	0.01	Q				

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 137+25       0.0000      0.01  Q          |          |          |          |
 137+30       0.0000      0.01  Q          |          |          |          |
 137+35       0.0000      0.01  Q          |          |          |          |
 137+40       0.0000      0.01  Q          |          |          |          |
 137+45       0.0000      0.01  Q          |          |          |          |
 137+50       0.0000      0.01  Q          |          |          |          |
 137+55       0.0000      0.01  Q          |          |          |          |
 138+ 0       0.0000      0.01  Q          |          |          |          |
 138+ 5       0.0000      0.01  Q          |          |          |          |
 138+10       0.0000      0.01  Q          |          |          |          |
 138+15       0.0000      0.01  Q          |          |          |          |
 138+20       0.0000      0.01  Q          |          |          |          |
 138+25       0.0000      0.01  Q          |          |          |          |
 138+30       0.0000      0.01  Q          |          |          |          |
 138+35       0.0000      0.01  Q          |          |          |          |
 138+40       0.0000      0.01  Q          |          |          |          |
 138+45       0.0000      0.01  Q          |          |          |          |
 138+50       0.0000      0.01  Q          |          |          |          |
 138+55       0.0000      0.01  Q          |          |          |          |
 139+ 0       0.0000      0.01  Q          |          |          |          |
 139+ 5       0.0000      0.01  Q          |          |          |          |
 139+10       0.0000      0.01  Q          |          |          |          |
 139+15       0.0000      0.01  Q          |          |          |          |
 139+20       0.0000      0.01  Q          |          |          |          |
 139+25       0.0000      0.01  Q          |          |          |          |
 139+30       0.0000      0.01  Q          |          |          |          |
 139+35       0.0000      0.01  Q          |          |          |          |
 139+40       0.0000      0.01  Q          |          |          |          |
 139+45       0.0000      0.01  Q          |          |          |          |
 139+50       0.0000      0.01  Q          |          |          |          |
 139+55       0.0000      0.01  Q          |          |          |          |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1921
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       59.925 (CFS)
                    Total volume =      17.873 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        *************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/06/24

MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 24 HOUR
BASIN 1 AREAS 3A, 3B & 3C
12/6/2024

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP3A24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 293
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 60.903 (CFS)
Total volume = 30.859 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

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Process from Point/Station 3.100 to Point/Station 3.200
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 293
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.475	0.500	0.473	0.477
3.000	1.578	0.910	1.575	1.581
5.000	2.894	1.190	2.890	2.898
6.000	3.635	1.300	3.631	3.639
7.000	4.433	1.410	4.428	4.438
9.000	6.205	1.600	6.199	6.211
10.000	7.182	1.690	7.176	7.188
11.000	8.220	1.770	8.214	8.226
12.000	9.320	10.090	9.285	9.355
13.000	10.484	19.070	10.418	10.550
14.000	11.713	29.360	11.612	11.814
15.000	13.008	36.230	12.883	13.133
16.000	14.370	41.870	14.226	14.514
17.000	15.803	46.800	15.642	15.964
18.000	17.305	51.230	17.129	17.481
19.000	18.880	55.300	18.690	19.070
20.000	20.535	59.080	20.332	20.738
21.000	22.690	62.630	22.474	22.906
22.000	24.840	65.980	24.613	25.067

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 15.2 30.45 45.68 60.90	Depth (Ft.)
0.083	0.57	0.00	0.002	O	0.00
0.167	1.91	0.01	0.010	OI	0.02
0.250	2.26	0.03	0.025	OI	0.05
0.333	2.65	0.04	0.041	OI	0.09
0.417	3.34	0.06	0.062	OI	0.13
0.500	3.53	0.09	0.085	OI	0.18
0.583	3.58	0.11	0.109	OI	0.23
0.667	3.60	0.14	0.132	OI	0.28
0.750	3.60	0.16	0.156	OI	0.33
0.833	3.89	0.19	0.181	O I	0.38
0.917	4.56	0.22	0.208	O I	0.44
1.000	4.73	0.25	0.239	O I	0.50
1.083	4.50	0.28	0.269	O I	0.57
1.167	3.84	0.31	0.295	O I	0.62
1.250	3.67	0.34	0.319	OI	0.67
1.333	3.62	0.36	0.342	OI	0.72
1.417	3.61	0.38	0.364	OI	0.77
1.500	3.60	0.41	0.386	OI	0.81
1.583	3.60	0.43	0.408	OI	0.86
1.667	3.60	0.45	0.430	OI	0.91
1.750	3.60	0.48	0.452	OI	0.95
1.833	3.89	0.50	0.474	O I	1.00
1.917	4.56	0.51	0.500	O I	1.04
2.000	4.73	0.52	0.528	O I	1.10
2.083	4.78	0.53	0.557	O I	1.15
2.167	4.80	0.54	0.586	O I	1.20
2.250	4.80	0.55	0.616	O I	1.26
2.333	4.80	0.56	0.645	O I	1.31
2.417	4.80	0.57	0.674	O I	1.36
2.500	4.80	0.58	0.703	O I	1.41
2.583	5.09	0.60	0.733	O I	1.47
2.667	5.76	0.61	0.766	O I	1.53
2.750	5.93	0.62	0.802	O I	1.59
2.833	5.98	0.64	0.839	O I	1.66
2.917	6.00	0.65	0.876	O I	1.73
3.000	6.00	0.66	0.913	O I	1.79
3.083	6.00	0.68	0.950	O I	1.86
3.167	6.00	0.69	0.986	O I	1.93

3.250	6.00	0.70	1.023	O	I					1.99	8.333	19.24	1.45	4.848	O		I				7.47
3.333	6.00	0.72	1.059	O	I					2.06	8.417	19.33	1.47	4.971	O		I				7.61
3.417	6.00	0.73	1.095	O	I					2.13	8.500	19.40	1.48	5.094	O		I				7.75
3.500	6.00	0.74	1.132	O	I					2.19	8.583	19.94	1.49	5.219	O		I				7.89
3.583	6.00	0.76	1.168	O	I					2.26	8.667	21.13	1.51	5.350	O		I				8.04
3.667	6.00	0.77	1.204	O	I					2.32	8.750	21.47	1.52	5.486	O		I				8.19
3.750	6.00	0.78	1.240	O	I					2.39	8.833	22.10	1.54	5.626	O		I				8.35
3.833	6.29	0.80	1.277	O	I					2.45	8.917	23.31	1.55	5.772	O		I				8.51
3.917	6.96	0.81	1.317	O	I					2.53	9.000	23.66	1.57	5.923	O		I				8.68
4.000	7.13	0.83	1.360	O	I					2.60	9.083	24.77	1.59	6.079	O		I				8.86
4.083	7.18	0.85	1.403	O	I					2.68	9.167	27.11	1.60	6.246	O		I				9.04
4.167	7.20	0.86	1.447	O	I					2.76	9.250	27.77	1.62	6.424	O		I				9.22
4.250	7.20	0.88	1.491	O	I					2.84	9.333	28.48	1.64	6.607	O		I				9.41
4.333	7.49	0.89	1.535	O	I					2.92	9.417	29.71	1.65	6.796	O		I				9.60
4.417	8.16	0.91	1.583	O	I					3.01	9.500	30.07	1.67	6.990	O		I				9.80
4.500	8.33	0.92	1.633	O	I					3.08	9.583	30.69	1.69	7.188	O		I				10.01
4.583	8.38	0.93	1.684	O	I					3.16	9.667	31.90	1.71	7.392	O		I				10.20
4.667	8.40	0.94	1.736	O	I					3.24	9.750	32.26	1.72	7.601	O		I				10.40
4.750	8.40	0.95	1.787	O	I					3.32	9.833	32.88	1.74	7.813	O		I				10.61
4.833	8.69	0.97	1.839	O	I					3.40	9.917	34.09	1.76	8.032	O		I				10.82
4.917	9.36	0.98	1.895	O	I					3.48	10.000	34.44	2.03	8.255	O		I				11.03
5.000	9.53	0.99	1.953	O	I					3.57	10.083	31.17	3.59	8.461	O		I				11.22
5.083	9.01	1.00	2.010	O	I					3.66	10.167	23.30	4.79	8.620	O		I				11.36
5.167	7.69	1.01	2.061	O	I					3.73	10.250	21.29	5.68	8.737	O		I				11.47
5.250	7.34	1.02	2.105	O	I					3.80	10.333	20.74	6.46	8.840	O		I				11.56
5.333	7.53	1.03	2.150	O	I					3.87	10.417	20.63	7.18	8.936	O		I				11.65
5.417	8.17	1.04	2.196	O	I					3.94	10.500	20.61	7.87	9.026	O		I				11.73
5.500	8.33	1.05	2.246	O	I					4.02	10.583	23.09	8.58	9.120	O		I				11.82
5.583	8.67	1.06	2.297	O	I					4.09	10.667	28.81	9.46	9.236	O		I				11.92
5.667	9.35	1.07	2.352	O	I					4.18	10.750	30.34	10.49	9.371	O		I				12.04
5.750	9.53	1.09	2.410	O	I					4.26	10.833	30.81	11.53	9.506	O		I				12.16
5.833	9.59	1.10	2.468	O	I					4.35	10.917	30.97	12.53	9.636	O		I				12.27
5.917	9.60	1.11	2.526	O	I					4.44	11.000	31.07	13.49	9.760	O		I				12.38
6.000	9.60	1.12	2.585	O	I					4.53	11.083	30.63	14.38	9.877	O		I				12.48
6.083	9.89	1.14	2.644	O	I					4.62	11.167	29.54	15.20	9.982	O		I				12.57
6.167	10.56	1.15	2.707	O	I					4.72	11.250	29.29	15.93	10.077	O		I				12.65
6.250	10.74	1.16	2.772	O	I					4.81	11.333	29.26	16.62	10.167	O		I				12.73
6.333	10.79	1.18	2.838	O	I					4.92	11.417	29.28	17.28	10.252	O		I				12.80
6.417	10.80	1.19	2.904	O	I					5.01	11.500	29.32	17.90	10.332	O		I				12.87
6.500	10.80	1.20	2.970	O	I					5.10	11.583	28.39	18.47	10.406	O		I				12.93
6.583	11.09	1.21	3.038	O	I					5.19	11.667	26.17	18.92	10.465	O		I				12.98
6.667	11.76	1.22	3.108	O	I					5.29	11.750	25.62	19.30	10.512	O		I				13.02
6.750	11.94	1.23	3.181	O	I					5.39	11.833	25.98	19.67	10.555	O		I				13.06
6.833	11.99	1.24	3.255	O	I					5.49	11.917	27.12	20.05	10.601	O		I				13.10
6.917	12.00	1.25	3.329	O	I					5.59	12.000	27.44	20.46	10.650	O		I				13.13
7.000	12.01	1.27	3.403	O	I					5.69	12.083	30.97	20.95	10.708	O		I				13.18
7.083	12.01	1.28	3.477	O	I					5.79	12.167	38.98	21.73	10.802	O		I				13.26
7.167	12.01	1.29	3.551	O	I					5.89	12.250	41.11	22.76	10.925	O		I				13.36
7.250	12.01	1.30	3.624	O	I					5.99	12.333	42.24	23.82	11.051	O		I				13.46
7.333	12.29	1.31	3.699	O	I					6.08	12.417	43.57	24.89	11.179	O		I				13.57
7.417	12.96	1.32	3.777	O	I					6.18	12.500	43.99	25.95	11.306	O		I				13.67
7.500	13.14	1.33	3.858	O	I					6.28	12.583	45.09	26.99	11.430	O		I				13.77
7.583	13.47	1.34	3.940	O	I					6.38	12.667	47.42	28.07	11.559	O		I				13.87
7.667	14.16	1.35	4.026	O	I					6.49	12.750	48.07	29.17	11.691	O		I				13.98
7.750	14.34	1.37	4.115	O	I					6.60	12.833	48.77	29.93	11.821	O		I				14.08
7.833	14.67	1.38	4.205	O	I					6.71	12.917	49.99	30.63	11.952	O		I				14.18
7.917	15.36	1.39	4.299	O	I					6.83	13.000	50.35	31.33	12.084	O		I				14.29
8.000	15.54	1.40	4.396	O	I					6.95	13.083	52.91	32.06	12.222	O		I				14.39
8.083	16.44	1.42	4.496	O	I					7.07	13.167	58.65	32.91	12.382	O		I				14.52
8.167	18.47	1.43	4.607	O	I					7.20	13.250	60.19	33.86	12.561	O		I				14.66
8.250	19.04	1.44	4.726	O	I					7.33	13.333	60.66	34.81	12.741	O		I				14.79

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23.583	2.40	3.21	8.410	IO				11.17		28.667	0.00	1.73	7.684	O				10.48	
23.667	2.40	3.16	8.404	IO				11.17		28.750	0.00	1.73	7.672	O				10.47	
23.750	2.40	3.13	8.399	IO				11.16		28.833	0.00	1.73	7.660	O				10.46	
23.833	2.40	3.09	8.394	IO				11.16		28.917	0.00	1.73	7.648	O				10.45	
23.917	2.40	3.05	8.390	IO				11.15		29.000	0.00	1.73	7.636	O				10.44	
24.000	2.40	3.02	8.385	IO				11.15		29.083	0.00	1.72	7.625	O				10.43	
24.083	1.83	2.97	8.379	IO				11.14		29.167	0.00	1.72	7.613	O				10.41	
24.167	0.49	2.88	8.367	IO				11.13		29.250	0.00	1.72	7.601	O				10.40	
24.250	0.14	2.75	8.350	IO				11.12		29.333	0.00	1.72	7.589	O				10.39	
24.333	0.04	2.62	8.332	IO				11.10		29.417	0.00	1.72	7.577	O				10.38	
24.417	0.01	2.49	8.315	IO				11.09		29.500	0.00	1.72	7.565	O				10.37	
24.500	0.00	2.36	8.298	IO				11.07		29.583	0.00	1.72	7.553	O				10.36	
24.583	0.00	2.24	8.282	IO				11.06		29.667	0.00	1.72	7.542	O				10.35	
24.667	0.00	2.13	8.267	IO				11.04		29.750	0.00	1.72	7.530	O				10.34	
24.750	0.00	2.02	8.253	IO				11.03		29.833	0.00	1.72	7.518	O				10.32	
24.833	0.00	1.92	8.239	IO				11.02		29.917	0.00	1.71	7.506	O				10.31	
24.917	0.00	1.82	8.226	O				11.01		30.000	0.00	1.71	7.494	O				10.30	
25.000	0.00	1.77	8.214	O				10.99		30.083	0.00	1.71	7.483	O				10.29	
25.083	0.00	1.77	8.202	O				10.98		30.167	0.00	1.71	7.471	O				10.28	
25.167	0.00	1.77	8.190	O				10.97		30.250	0.00	1.71	7.459	O				10.27	
25.250	0.00	1.77	8.178	O				10.96		30.333	0.00	1.71	7.447	O				10.26	
25.333	0.00	1.77	8.165	O				10.95		30.417	0.00	1.71	7.435	O				10.24	
25.417	0.00	1.76	8.153	O				10.94		30.500	0.00	1.71	7.424	O				10.23	
25.500	0.00	1.76	8.141	O				10.92		30.583	0.00	1.71	7.412	O				10.22	
25.583	0.00	1.76	8.129	O				10.91		30.667	0.00	1.71	7.400	O				10.21	
25.667	0.00	1.76	8.117	O				10.90		30.750	0.00	1.71	7.388	O				10.20	
25.750	0.00	1.76	8.105	O				10.89		30.833	0.00	1.70	7.377	O				10.19	
25.833	0.00	1.76	8.093	O				10.88		30.917	0.00	1.70	7.365	O				10.18	
25.917	0.00	1.76	8.080	O				10.87		31.000	0.00	1.70	7.353	O				10.16	
26.000	0.00	1.76	8.068	O				10.85		31.083	0.00	1.70	7.341	O				10.15	
26.083	0.00	1.76	8.056	O				10.84		31.167	0.00	1.70	7.330	O				10.14	
26.167	0.00	1.76	8.044	O				10.83		31.250	0.00	1.70	7.318	O				10.13	
26.250	0.00	1.76	8.032	O				10.82		31.333	0.00	1.70	7.306	O				10.12	
26.333	0.00	1.75	8.020	O				10.81		31.417	0.00	1.70	7.295	O				10.11	
26.417	0.00	1.75	8.008	O				10.80		31.500	0.00	1.70	7.283	O				10.10	
26.500	0.00	1.75	7.996	O				10.78		31.583	0.00	1.70	7.271	O				10.09	
26.583	0.00	1.75	7.984	O				10.77		31.667	0.00	1.70	7.260	O				10.07	
26.667	0.00	1.75	7.972	O				10.76		31.750	0.00	1.70	7.248	O				10.06	
26.750	0.00	1.75	7.960	O				10.75		31.833	0.00	1.69	7.236	O				10.05	
26.833	0.00	1.75	7.947	O				10.74		31.917	0.00	1.69	7.224	O				10.04	
26.917	0.00	1.75	7.935	O				10.73		32.000	0.00	1.69	7.213	O				10.03	
27.000	0.00	1.75	7.923	O				10.71		32.083	0.00	1.69	7.201	O				10.02	
27.083	0.00	1.75	7.911	O				10.70		32.167	0.00	1.69	7.190	O				10.01	
27.167	0.00	1.75	7.899	O				10.69		32.250	0.00	1.69	7.178	O				10.00	
27.250	0.00	1.74	7.887	O				10.68		32.333	0.00	1.69	7.166	O				9.98	
27.333	0.00	1.74	7.875	O				10.67		32.417	0.00	1.69	7.155	O				9.97	
27.417	0.00	1.74	7.863	O				10.66		32.500	0.00	1.69	7.143	O				9.96	
27.500	0.00	1.74	7.851	O				10.64		32.583	0.00	1.69	7.131	O				9.95	
27.583	0.00	1.74	7.839	O				10.63		32.667	0.00	1.68	7.120	O				9.94	
27.667	0.00	1.74	7.827	O				10.62		32.750	0.00	1.68	7.108	O				9.92	
27.750	0.00	1.74	7.815	O				10.61		32.833	0.00	1.68	7.097	O				9.91	
27.833	0.00	1.74	7.803	O				10.60		32.917	0.00	1.68	7.085	O				9.90	
27.917	0.00	1.74	7.791	O				10.59		33.000	0.00	1.68	7.073	O				9.89	
28.000	0.00	1.74	7.779	O				10.58		33.083	0.00	1.68	7.062	O				9.88	
28.083	0.00	1.74	7.768	O				10.56		33.167	0.00	1.68	7.050	O				9.87	
28.167	0.00	1.73	7.756	O				10.55		33.250	0.00	1.68	7.039	O				9.85	
28.250	0.00	1.73	7.744	O				10.54		33.333	0.00	1.68	7.027	O				9.84	
28.333	0.00	1.73	7.732	O				10.53		33.417	0.00	1.67	7.016	O				9.83	
28.417	0.00	1.73	7.720	O				10.52		33.500	0.00	1.67	7.004	O				9.82	
28.500	0.00	1.73	7.708	O				10.51		33.583	0.00	1.67	6.993	O				9.81	
28.583	0.00	1.73	7.696	O				10.50		33.667	0.00	1.67	6.981	O				9.79	

33.750	0.00	1.67	6.970	O					9.78	38.833	0.00	1.61	6.281	O					9.08
33.833	0.00	1.67	6.958	O					9.77	38.917	0.00	1.61	6.270	O					9.07
33.917	0.00	1.67	6.947	O					9.76	39.000	0.00	1.60	6.259	O					9.06
34.000	0.00	1.67	6.935	O					9.75	39.083	0.00	1.60	6.248	O					9.04
34.083	0.00	1.67	6.924	O					9.74	39.167	0.00	1.60	6.237	O					9.03
34.167	0.00	1.67	6.912	O					9.72	39.250	0.00	1.60	6.226	O					9.02
34.250	0.00	1.66	6.901	O					9.71	39.333	0.00	1.60	6.215	O					9.01
34.333	0.00	1.66	6.889	O					9.70	39.417	0.00	1.60	6.204	O					9.00
34.417	0.00	1.66	6.878	O					9.69	39.500	0.00	1.60	6.193	O					8.99
34.500	0.00	1.66	6.866	O					9.68	39.583	0.00	1.60	6.182	O					8.97
34.583	0.00	1.66	6.855	O					9.67	39.667	0.00	1.60	6.171	O					8.96
34.667	0.00	1.66	6.844	O					9.65	39.750	0.00	1.60	6.160	O					8.95
34.750	0.00	1.66	6.832	O					9.64	39.833	0.00	1.59	6.149	O					8.94
34.833	0.00	1.66	6.821	O					9.63	39.917	0.00	1.59	6.138	O					8.92
34.917	0.00	1.66	6.809	O					9.62	40.000	0.00	1.59	6.127	O					8.91
35.000	0.00	1.65	6.798	O					9.61	40.083	0.00	1.59	6.116	O					8.90
35.083	0.00	1.65	6.786	O					9.60	40.167	0.00	1.59	6.105	O					8.89
35.167	0.00	1.65	6.775	O					9.58	40.250	0.00	1.59	6.094	O					8.87
35.250	0.00	1.65	6.764	O					9.57	40.333	0.00	1.59	6.083	O					8.86
35.333	0.00	1.65	6.752	O					9.56	40.417	0.00	1.59	6.072	O					8.85
35.417	0.00	1.65	6.741	O					9.55	40.500	0.00	1.58	6.061	O					8.84
35.500	0.00	1.65	6.730	O					9.54	40.583	0.00	1.58	6.051	O					8.83
35.583	0.00	1.65	6.718	O					9.53	40.667	0.00	1.58	6.040	O					8.81
35.667	0.00	1.65	6.707	O					9.51	40.750	0.00	1.58	6.029	O					8.80
35.750	0.00	1.65	6.696	O					9.50	40.833	0.00	1.58	6.018	O					8.79
35.833	0.00	1.64	6.684	O					9.49	40.917	0.00	1.58	6.007	O					8.78
35.917	0.00	1.64	6.673	O					9.48	41.000	0.00	1.58	5.996	O					8.76
36.000	0.00	1.64	6.662	O					9.47	41.083	0.00	1.58	5.985	O					8.75
36.083	0.00	1.64	6.650	O					9.46	41.167	0.00	1.58	5.974	O					8.74
36.167	0.00	1.64	6.639	O					9.44	41.250	0.00	1.57	5.964	O					8.73
36.250	0.00	1.64	6.628	O					9.43	41.333	0.00	1.57	5.953	O					8.72
36.333	0.00	1.64	6.616	O					9.42	41.417	0.00	1.57	5.942	O					8.70
36.417	0.00	1.64	6.605	O					9.41	41.500	0.00	1.57	5.931	O					8.69
36.500	0.00	1.64	6.594	O					9.40	41.583	0.00	1.57	5.920	O					8.68
36.583	0.00	1.63	6.583	O					9.39	41.667	0.00	1.57	5.909	O					8.67
36.667	0.00	1.63	6.571	O					9.38	41.750	0.00	1.57	5.899	O					8.65
36.750	0.00	1.63	6.560	O					9.36	41.833	0.00	1.57	5.888	O					8.64
36.833	0.00	1.63	6.549	O					9.35	41.917	0.00	1.56	5.877	O					8.63
36.917	0.00	1.63	6.538	O					9.34	42.000	0.00	1.56	5.866	O					8.62
37.000	0.00	1.63	6.526	O					9.33	42.083	0.00	1.56	5.856	O					8.61
37.083	0.00	1.63	6.515	O					9.32	42.167	0.00	1.56	5.845	O					8.59
37.167	0.00	1.63	6.504	O					9.31	42.250	0.00	1.56	5.834	O					8.58
37.250	0.00	1.63	6.493	O					9.29	42.333	0.00	1.56	5.823	O					8.57
37.333	0.00	1.63	6.482	O					9.28	42.417	0.00	1.56	5.813	O					8.56
37.417	0.00	1.62	6.470	O					9.27	42.500	0.00	1.56	5.802	O					8.54
37.500	0.00	1.62	6.459	O					9.26	42.583	0.00	1.56	5.791	O					8.53
37.583	0.00	1.62	6.448	O					9.25	42.667	0.00	1.55	5.780	O					8.52
37.667	0.00	1.62	6.437	O					9.24	42.750	0.00	1.55	5.770	O					8.51
37.750	0.00	1.62	6.426	O					9.23	42.833	0.00	1.55	5.759	O					8.50
37.833	0.00	1.62	6.415	O					9.21	42.917	0.00	1.55	5.748	O					8.48
37.917	0.00	1.62	6.403	O					9.20	43.000	0.00	1.55	5.738	O					8.47
38.000	0.00	1.62	6.392	O					9.19	43.083	0.00	1.55	5.727	O					8.46
38.083	0.00	1.62	6.381	O					9.18	43.167	0.00	1.55	5.716	O					8.45
38.167	0.00	1.62	6.370	O					9.17	43.250	0.00	1.55	5.706	O					8.44
38.250	0.00	1.61	6.359	O					9.16	43.333	0.00	1.55	5.695	O					8.42
38.333	0.00	1.61	6.348	O					9.15	43.417	0.00	1.54	5.684	O					8.41
38.417	0.00	1.61	6.337	O					9.13	43.500	0.00	1.54	5.674	O					8.40
38.500	0.00	1.61	6.326	O					9.12	43.583	0.00	1.54	5.663	O					8.39
38.583	0.00	1.61	6.315	O					9.11	43.667	0.00	1.54	5.652	O					8.38
38.667	0.00	1.61	6.303	O					9.10	43.750	0.00	1.54	5.642	O					8.36
38.750	0.00	1.61	6.292	O					9.09	43.833	0.00	1.54	5.631	O					8.35

43.917	0.00	1.54	5.621	O					8.34	49.000	0.00	1.47	4.989	O					7.63
44.000	0.00	1.54	5.610	O					8.33	49.083	0.00	1.47	4.979	O					7.62
44.083	0.00	1.54	5.600	O					8.32	49.167	0.00	1.47	4.969	O					7.60
44.167	0.00	1.53	5.589	O					8.30	49.250	0.00	1.47	4.959	O					7.59
44.250	0.00	1.53	5.578	O					8.29	49.333	0.00	1.47	4.949	O					7.58
44.333	0.00	1.53	5.568	O					8.28	49.417	0.00	1.46	4.939	O					7.57
44.417	0.00	1.53	5.557	O					8.27	49.500	0.00	1.46	4.929	O					7.56
44.500	0.00	1.53	5.547	O					8.26	49.583	0.00	1.46	4.918	O					7.55
44.583	0.00	1.53	5.536	O					8.25	49.667	0.00	1.46	4.908	O					7.54
44.667	0.00	1.53	5.526	O					8.23	49.750	0.00	1.46	4.898	O					7.53
44.750	0.00	1.53	5.515	O					8.22	49.833	0.00	1.46	4.888	O					7.51
44.833	0.00	1.52	5.505	O					8.21	49.917	0.00	1.46	4.878	O					7.50
44.917	0.00	1.52	5.494	O					8.20	50.000	0.00	1.46	4.868	O					7.49
45.000	0.00	1.52	5.484	O					8.19	50.083	0.00	1.46	4.858	O					7.48
45.083	0.00	1.52	5.473	O					8.17	50.167	0.00	1.45	4.848	O					7.47
45.167	0.00	1.52	5.463	O					8.16	50.250	0.00	1.45	4.838	O					7.46
45.250	0.00	1.52	5.452	O					8.15	50.333	0.00	1.45	4.828	O					7.45
45.333	0.00	1.52	5.442	O					8.14	50.417	0.00	1.45	4.818	O					7.43
45.417	0.00	1.52	5.431	O					8.13	50.500	0.00	1.45	4.808	O					7.42
45.500	0.00	1.52	5.421	O					8.12	50.583	0.00	1.45	4.798	O					7.41
45.583	0.00	1.51	5.410	O					8.10	50.667	0.00	1.45	4.788	O					7.40
45.667	0.00	1.51	5.400	O					8.09	50.750	0.00	1.45	4.778	O					7.39
45.750	0.00	1.51	5.390	O					8.08	50.833	0.00	1.45	4.768	O					7.38
45.833	0.00	1.51	5.379	O					8.07	50.917	0.00	1.44	4.758	O					7.37
45.917	0.00	1.51	5.369	O					8.06	51.000	0.00	1.44	4.748	O					7.36
46.000	0.00	1.51	5.358	O					8.04	51.083	0.00	1.44	4.738	O					7.34
46.083	0.00	1.51	5.348	O					8.03	51.167	0.00	1.44	4.729	O					7.33
46.167	0.00	1.51	5.338	O					8.02	51.250	0.00	1.44	4.719	O					7.32
46.250	0.00	1.51	5.327	O					8.01	51.333	0.00	1.44	4.709	O					7.31
46.333	0.00	1.50	5.317	O					8.00	51.417	0.00	1.44	4.699	O					7.30
46.417	0.00	1.50	5.307	O					7.99	51.500	0.00	1.44	4.689	O					7.29
46.500	0.00	1.50	5.296	O					7.97	51.583	0.00	1.44	4.679	O					7.28
46.583	0.00	1.50	5.286	O					7.96	51.667	0.00	1.44	4.669	O					7.27
46.667	0.00	1.50	5.275	O					7.95	51.750	0.00	1.43	4.659	O					7.26
46.750	0.00	1.50	5.265	O					7.94	51.833	0.00	1.43	4.649	O					7.24
46.833	0.00	1.50	5.255	O					7.93	51.917	0.00	1.43	4.639	O					7.23
46.917	0.00	1.50	5.245	O					7.92	52.000	0.00	1.43	4.630	O					7.22
47.000	0.00	1.50	5.234	O					7.90	52.083	0.00	1.43	4.620	O					7.21
47.083	0.00	1.49	5.224	O					7.89	52.167	0.00	1.43	4.610	O					7.20
47.167	0.00	1.49	5.214	O					7.88	52.250	0.00	1.43	4.600	O					7.19
47.250	0.00	1.49	5.203	O					7.87	52.333	0.00	1.43	4.590	O					7.18
47.333	0.00	1.49	5.193	O					7.86	52.417	0.00	1.43	4.580	O					7.17
47.417	0.00	1.49	5.183	O					7.85	52.500	0.00	1.42	4.571	O					7.16
47.500	0.00	1.49	5.173	O					7.83	52.583	0.00	1.42	4.561	O					7.14
47.583	0.00	1.49	5.162	O					7.82	52.667	0.00	1.42	4.551	O					7.13
47.667	0.00	1.49	5.152	O					7.81	52.750	0.00	1.42	4.541	O					7.12
47.750	0.00	1.49	5.142	O					7.80	52.833	0.00	1.42	4.531	O					7.11
47.833	0.00	1.48	5.132	O					7.79	52.917	0.00	1.42	4.522	O					7.10
47.917	0.00	1.48	5.121	O					7.78	53.000	0.00	1.42	4.512	O					7.09
48.000	0.00	1.48	5.111	O					7.77	53.083	0.00	1.42	4.502	O					7.08
48.083	0.00	1.48	5.101	O					7.75	53.167	0.00	1.42	4.492	O					7.07
48.167	0.00	1.48	5.091	O					7.74	53.250	0.00	1.42	4.483	O					7.06
48.250	0.00	1.48	5.081	O					7.73	53.333	0.00	1.41	4.473	O					7.04
48.333	0.00	1.48	5.070	O					7.72	53.417	0.00	1.41	4.463	O					7.03
48.417	0.00	1.48	5.060	O					7.71	53.500	0.00	1.41	4.453	O					7.02
48.500	0.00	1.48	5.050	O					7.70	53.583	0.00	1.41	4.444	O					7.01
48.583	0.00	1.48	5.040	O					7.68	53.667	0.00	1.41	4.434	O					7.00
48.667	0.00	1.47	5.030	O					7.67	53.750	0.00	1.41	4.424	O					6.99
48.750	0.00	1.47	5.020	O					7.66	53.833	0.00	1.41	4.415	O					6.98
48.833	0.00	1.47	5.009	O					7.65	53.917	0.00	1.41	4.405	O					6.96
48.917	0.00	1.47	4.999	O					7.64	54.000	0.00	1.40	4.395	O					6.95

54.083	0.00	1.40	4.385	O					6.94	59.167	0.00	1.32	3.813	O					6.22
54.167	0.00	1.40	4.376	O					6.93	59.250	0.00	1.32	3.803	O					6.21
54.250	0.00	1.40	4.366	O					6.92	59.333	0.00	1.32	3.794	O					6.20
54.333	0.00	1.40	4.357	O					6.90	59.417	0.00	1.32	3.785	O					6.19
54.417	0.00	1.40	4.347	O					6.89	59.500	0.00	1.32	3.776	O					6.18
54.500	0.00	1.40	4.337	O					6.88	59.583	0.00	1.32	3.767	O					6.17
54.583	0.00	1.40	4.328	O					6.87	59.667	0.00	1.32	3.758	O					6.15
54.667	0.00	1.39	4.318	O					6.86	59.750	0.00	1.32	3.749	O					6.14
54.750	0.00	1.39	4.308	O					6.84	59.833	0.00	1.31	3.740	O					6.13
54.833	0.00	1.39	4.299	O					6.83	59.917	0.00	1.31	3.731	O					6.12
54.917	0.00	1.39	4.289	O					6.82	60.000	0.00	1.31	3.722	O					6.11
55.000	0.00	1.39	4.280	O					6.81	60.083	0.00	1.31	3.713	O					6.10
55.083	0.00	1.39	4.270	O					6.80	60.167	0.00	1.31	3.704	O					6.09
55.167	0.00	1.39	4.261	O					6.78	60.250	0.00	1.31	3.695	O					6.07
55.250	0.00	1.38	4.251	O					6.77	60.333	0.00	1.31	3.686	O					6.06
55.333	0.00	1.38	4.242	O					6.76	60.417	0.00	1.31	3.677	O					6.05
55.417	0.00	1.38	4.232	O					6.75	60.500	0.00	1.30	3.668	O					6.04
55.500	0.00	1.38	4.222	O					6.74	60.583	0.00	1.30	3.659	O					6.03
55.583	0.00	1.38	4.213	O					6.72	60.667	0.00	1.30	3.650	O					6.02
55.667	0.00	1.38	4.203	O					6.71	60.750	0.00	1.30	3.641	O					6.01
55.750	0.00	1.38	4.194	O					6.70	60.833	0.00	1.30	3.632	O					6.00
55.833	0.00	1.38	4.184	O					6.69	60.917	0.00	1.30	3.623	O					5.98
55.917	0.00	1.37	4.175	O					6.68	61.000	0.00	1.30	3.614	O					5.97
56.000	0.00	1.37	4.166	O					6.66	61.083	0.00	1.30	3.605	O					5.96
56.083	0.00	1.37	4.156	O					6.65	61.167	0.00	1.29	3.596	O					5.95
56.167	0.00	1.37	4.147	O					6.64	61.250	0.00	1.29	3.587	O					5.94
56.250	0.00	1.37	4.137	O					6.63	61.333	0.00	1.29	3.578	O					5.92
56.333	0.00	1.37	4.128	O					6.62	61.417	0.00	1.29	3.569	O					5.91
56.417	0.00	1.37	4.118	O					6.61	61.500	0.00	1.29	3.561	O					5.90
56.500	0.00	1.37	4.109	O					6.59	61.583	0.00	1.29	3.552	O					5.89
56.583	0.00	1.36	4.100	O					6.58	61.667	0.00	1.29	3.543	O					5.88
56.667	0.00	1.36	4.090	O					6.57	61.750	0.00	1.29	3.534	O					5.86
56.750	0.00	1.36	4.081	O					6.56	61.833	0.00	1.28	3.525	O					5.85
56.833	0.00	1.36	4.071	O					6.55	61.917	0.00	1.28	3.516	O					5.84
56.917	0.00	1.36	4.062	O					6.54	62.000	0.00	1.28	3.507	O					5.83
57.000	0.00	1.36	4.053	O					6.52	62.083	0.00	1.28	3.499	O					5.82
57.083	0.00	1.36	4.043	O					6.51	62.167	0.00	1.28	3.490	O					5.80
57.167	0.00	1.36	4.034	O					6.50	62.250	0.00	1.28	3.481	O					5.79
57.250	0.00	1.35	4.025	O					6.49	62.333	0.00	1.28	3.472	O					5.78
57.333	0.00	1.35	4.015	O					6.48	62.417	0.00	1.27	3.463	O					5.77
57.417	0.00	1.35	4.006	O					6.47	62.500	0.00	1.27	3.455	O					5.76
57.500	0.00	1.35	3.997	O					6.45	62.583	0.00	1.27	3.446	O					5.74
57.583	0.00	1.35	3.987	O					6.44	62.667	0.00	1.27	3.437	O					5.73
57.667	0.00	1.35	3.978	O					6.43	62.750	0.00	1.27	3.428	O					5.72
57.750	0.00	1.35	3.969	O					6.42	62.833	0.00	1.27	3.420	O					5.71
57.833	0.00	1.34	3.960	O					6.41	62.917	0.00	1.27	3.411	O					5.70
57.917	0.00	1.34	3.950	O					6.40	63.000	0.00	1.27	3.402	O					5.69
58.000	0.00	1.34	3.941	O					6.38	63.083	0.00	1.26	3.394	O					5.67
58.083	0.00	1.34	3.932	O					6.37	63.167	0.00	1.26	3.385	O					5.66
58.167	0.00	1.34	3.923	O					6.36	63.250	0.00	1.26	3.376	O					5.65
58.250	0.00	1.34	3.913	O					6.35	63.333	0.00	1.26	3.367	O					5.64
58.333	0.00	1.34	3.904	O					6.34	63.417	0.00	1.26	3.359	O					5.63
58.417	0.00	1.34	3.895	O					6.33	63.500	0.00	1.26	3.350	O					5.62
58.500	0.00	1.33	3.886	O					6.31	63.583	0.00	1.26	3.341	O					5.60
58.583	0.00	1.33	3.877	O					6.30	63.667	0.00	1.26	3.333	O					5.59
58.667	0.00	1.33	3.867	O					6.29	63.750	0.00	1.25	3.324	O					5.58
58.750	0.00	1.33	3.858	O					6.28	63.833	0.00	1.25	3.316	O					5.57
58.833	0.00	1.33	3.849	O					6.27	63.917	0.00	1.25	3.307	O					5.56
58.917	0.00	1.33	3.840	O					6.26	64.000	0.00	1.25	3.298	O					5.55
59.000	0.00	1.33	3.831	O					6.25	64.083	0.00	1.25	3.290	O					5.53
59.083	0.00	1.33	3.822	O					6.23	64.167	0.00	1.25	3.281	O					5.52

64.250	0.00	1.25	3.273	O					5.51	69.333	0.00	1.16	2.765	O					4.80
64.333	0.00	1.24	3.264	O					5.50	69.417	0.00	1.16	2.757	O					4.79
64.417	0.00	1.24	3.255	O					5.49	69.500	0.00	1.16	2.749	O					4.78
64.500	0.00	1.24	3.247	O					5.48	69.583	0.00	1.16	2.741	O					4.77
64.583	0.00	1.24	3.238	O					5.46	69.667	0.00	1.16	2.733	O					4.76
64.667	0.00	1.24	3.230	O					5.45	69.750	0.00	1.15	2.726	O					4.74
64.750	0.00	1.24	3.221	O					5.44	69.833	0.00	1.15	2.718	O					4.73
64.833	0.00	1.24	3.213	O					5.43	69.917	0.00	1.15	2.710	O					4.72
64.917	0.00	1.24	3.204	O					5.42	70.000	0.00	1.15	2.702	O					4.71
65.000	0.00	1.23	3.196	O					5.41	70.083	0.00	1.15	2.694	O					4.70
65.083	0.00	1.23	3.187	O					5.40	70.167	0.00	1.15	2.686	O					4.68
65.167	0.00	1.23	3.179	O					5.38	70.250	0.00	1.14	2.678	O					4.67
65.250	0.00	1.23	3.170	O					5.37	70.333	0.00	1.14	2.670	O					4.66
65.333	0.00	1.23	3.162	O					5.36	70.417	0.00	1.14	2.662	O					4.65
65.417	0.00	1.23	3.153	O					5.35	70.500	0.00	1.14	2.654	O					4.64
65.500	0.00	1.23	3.145	O					5.34	70.583	0.00	1.14	2.647	O					4.62
65.583	0.00	1.23	3.136	O					5.33	70.667	0.00	1.14	2.639	O					4.61
65.667	0.00	1.22	3.128	O					5.32	70.750	0.00	1.13	2.631	O					4.60
65.750	0.00	1.22	3.119	O					5.30	70.833	0.00	1.13	2.623	O					4.59
65.833	0.00	1.22	3.111	O					5.29	70.917	0.00	1.13	2.615	O					4.58
65.917	0.00	1.22	3.103	O					5.28	71.000	0.00	1.13	2.608	O					4.56
66.000	0.00	1.22	3.094	O					5.27	71.083	0.00	1.13	2.600	O					4.55
66.083	0.00	1.22	3.086	O					5.26	71.167	0.00	1.13	2.592	O					4.54
66.167	0.00	1.22	3.077	O					5.25	71.250	0.00	1.12	2.584	O					4.53
66.250	0.00	1.22	3.069	O					5.24	71.333	0.00	1.12	2.577	O					4.52
66.333	0.00	1.21	3.061	O					5.22	71.417	0.00	1.12	2.569	O					4.51
66.417	0.00	1.21	3.052	O					5.21	71.500	0.00	1.12	2.561	O					4.49
66.500	0.00	1.21	3.044	O					5.20	71.583	0.00	1.12	2.553	O					4.48
66.583	0.00	1.21	3.036	O					5.19	71.667	0.00	1.12	2.546	O					4.47
66.667	0.00	1.21	3.027	O					5.18	71.750	0.00	1.11	2.538	O					4.46
66.750	0.00	1.21	3.019	O					5.17	71.833	0.00	1.11	2.530	O					4.45
66.833	0.00	1.21	3.011	O					5.16	71.917	0.00	1.11	2.523	O					4.44
66.917	0.00	1.21	3.002	O					5.15	72.000	0.00	1.11	2.515	O					4.42
67.000	0.00	1.20	2.994	O					5.13	72.083	0.00	1.11	2.507	O					4.41
67.083	0.00	1.20	2.986	O					5.12	72.167	0.00	1.11	2.500	O					4.40
67.167	0.00	1.20	2.977	O					5.11	72.250	0.00	1.10	2.492	O					4.39
67.250	0.00	1.20	2.969	O					5.10	72.333	0.00	1.10	2.485	O					4.38
67.333	0.00	1.20	2.961	O					5.09	72.417	0.00	1.10	2.477	O					4.37
67.417	0.00	1.20	2.953	O					5.08	72.500	0.00	1.10	2.469	O					4.35
67.500	0.00	1.20	2.944	O					5.07	72.583	0.00	1.10	2.462	O					4.34
67.583	0.00	1.20	2.936	O					5.06	72.667	0.00	1.10	2.454	O					4.33
67.667	0.00	1.20	2.928	O					5.05	72.750	0.00	1.09	2.447	O					4.32
67.750	0.00	1.19	2.920	O					5.03	72.833	0.00	1.09	2.439	O					4.31
67.833	0.00	1.19	2.911	O					5.02	72.917	0.00	1.09	2.432	O					4.30
67.917	0.00	1.19	2.903	O					5.01	73.000	0.00	1.09	2.424	O					4.29
68.000	0.00	1.19	2.895	O					5.00	73.083	0.00	1.09	2.417	O					4.27
68.083	0.00	1.19	2.887	O					4.99	73.167	0.00	1.09	2.409	O					4.26
68.167	0.00	1.19	2.879	O					4.98	73.250	0.00	1.09	2.402	O					4.25
68.250	0.00	1.19	2.871	O					4.96	73.333	0.00	1.08	2.394	O					4.24
68.333	0.00	1.18	2.862	O					4.95	73.417	0.00	1.08	2.387	O					4.23
68.417	0.00	1.18	2.854	O					4.94	73.500	0.00	1.08	2.379	O					4.22
68.500	0.00	1.18	2.846	O					4.93	73.583	0.00	1.08	2.372	O					4.21
68.583	0.00	1.18	2.838	O					4.91	73.667	0.00	1.08	2.365	O					4.20
68.667	0.00	1.18	2.830	O					4.90	73.750	0.00	1.08	2.357	O					4.18
68.750	0.00	1.17	2.822	O					4.89	73.833	0.00	1.07	2.350	O					4.17
68.833	0.00	1.17	2.814	O					4.88	73.917	0.00	1.07	2.342	O					4.16
68.917	0.00	1.17	2.806	O					4.87	74.000	0.00	1.07	2.335	O					4.15
69.000	0.00	1.17	2.798	O					4.85	74.083	0.00	1.07	2.328	O					4.14
69.083	0.00	1.17	2.790	O					4.84	74.167	0.00	1.07	2.320	O					4.13
69.167	0.00	1.17	2.781	O					4.83	74.250	0.00	1.07	2.313	O					4.12
69.250	0.00	1.16	2.773	O					4.82	74.333	0.00	1.06	2.306	O					4.11

74.417	0.00	1.06	2.298	O					4.09	79.500	0.00	0.97	1.871	O					3.45
74.500	0.00	1.06	2.291	O					4.08	79.583	0.00	0.97	1.864	O					3.43
74.583	0.00	1.06	2.284	O					4.07	79.667	0.00	0.97	1.858	O					3.42
74.667	0.00	1.06	2.276	O					4.06	79.750	0.00	0.97	1.851	O					3.41
74.750	0.00	1.06	2.269	O					4.05	79.833	0.00	0.97	1.844	O					3.40
74.833	0.00	1.06	2.262	O					4.04	79.917	0.00	0.97	1.838	O					3.39
74.917	0.00	1.05	2.254	O					4.03	80.000	0.00	0.96	1.831	O					3.38
75.000	0.00	1.05	2.247	O					4.02	80.083	0.00	0.96	1.824	O					3.37
75.083	0.00	1.05	2.240	O					4.01	80.167	0.00	0.96	1.818	O					3.36
75.167	0.00	1.05	2.233	O					4.00	80.250	0.00	0.96	1.811	O					3.35
75.250	0.00	1.05	2.225	O					3.98	80.333	0.00	0.96	1.804	O					3.34
75.333	0.00	1.05	2.218	O					3.97	80.417	0.00	0.96	1.798	O					3.33
75.417	0.00	1.04	2.211	O					3.96	80.500	0.00	0.96	1.791	O					3.32
75.500	0.00	1.04	2.204	O					3.95	80.583	0.00	0.95	1.785	O					3.31
75.583	0.00	1.04	2.197	O					3.94	80.667	0.00	0.95	1.778	O					3.30
75.667	0.00	1.04	2.190	O					3.93	80.750	0.00	0.95	1.772	O					3.29
75.750	0.00	1.04	2.182	O					3.92	80.833	0.00	0.95	1.765	O					3.28
75.833	0.00	1.04	2.175	O					3.91	80.917	0.00	0.95	1.758	O					3.27
75.917	0.00	1.04	2.168	O					3.90	81.000	0.00	0.95	1.752	O					3.26
76.000	0.00	1.03	2.161	O					3.89	81.083	0.00	0.95	1.745	O					3.25
76.083	0.00	1.03	2.154	O					3.88	81.167	0.00	0.94	1.739	O					3.24
76.167	0.00	1.03	2.147	O					3.86	81.250	0.00	0.94	1.732	O					3.23
76.250	0.00	1.03	2.140	O					3.85	81.333	0.00	0.94	1.726	O					3.22
76.333	0.00	1.03	2.133	O					3.84	81.417	0.00	0.94	1.719	O					3.21
76.417	0.00	1.03	2.126	O					3.83	81.500	0.00	0.94	1.713	O					3.21
76.500	0.00	1.02	2.118	O					3.82	81.583	0.00	0.94	1.707	O					3.20
76.583	0.00	1.02	2.111	O					3.81	81.667	0.00	0.94	1.700	O					3.19
76.667	0.00	1.02	2.104	O					3.80	81.750	0.00	0.93	1.694	O					3.18
76.750	0.00	1.02	2.097	O					3.79	81.833	0.00	0.93	1.687	O					3.17
76.833	0.00	1.02	2.090	O					3.78	81.917	0.00	0.93	1.681	O					3.16
76.917	0.00	1.02	2.083	O					3.77	82.000	0.00	0.93	1.674	O					3.15
77.000	0.00	1.02	2.076	O					3.76	82.083	0.00	0.93	1.668	O					3.14
77.083	0.00	1.01	2.069	O					3.75	82.167	0.00	0.93	1.662	O					3.13
77.167	0.00	1.01	2.062	O					3.74	82.250	0.00	0.93	1.655	O					3.12
77.250	0.00	1.01	2.055	O					3.73	82.333	0.00	0.93	1.649	O					3.11
77.333	0.00	1.01	2.048	O					3.71	82.417	0.00	0.92	1.642	O					3.10
77.417	0.00	1.01	2.041	O					3.70	82.500	0.00	0.92	1.636	O					3.09
77.500	0.00	1.01	2.034	O					3.69	82.583	0.00	0.92	1.630	O					3.08
77.583	0.00	1.01	2.028	O					3.68	82.667	0.00	0.92	1.623	O					3.07
77.667	0.00	1.00	2.021	O					3.67	82.750	0.00	0.92	1.617	O					3.06
77.750	0.00	1.00	2.014	O					3.66	82.833	0.00	0.92	1.611	O					3.05
77.833	0.00	1.00	2.007	O					3.65	82.917	0.00	0.92	1.604	O					3.04
77.917	0.00	1.00	2.000	O					3.64	83.000	0.00	0.91	1.598	O					3.03
78.000	0.00	1.00	1.993	O					3.63	83.083	0.00	0.91	1.592	O					3.02
78.083	0.00	1.00	1.986	O					3.62	83.167	0.00	0.91	1.586	O					3.01
78.167	0.00	1.00	1.979	O					3.61	83.250	0.00	0.91	1.579	O					3.00
78.250	0.00	0.99	1.972	O					3.60	83.333	0.00	0.91	1.573	O					2.99
78.333	0.00	0.99	1.966	O					3.59	83.417	0.00	0.91	1.567	O					2.98
78.417	0.00	0.99	1.959	O					3.58	83.500	0.00	0.90	1.561	O					2.97
78.500	0.00	0.99	1.952	O					3.57	83.583	0.00	0.90	1.554	O					2.96
78.583	0.00	0.99	1.945	O					3.56	83.667	0.00	0.90	1.548	O					2.95
78.667	0.00	0.99	1.938	O					3.55	83.750	0.00	0.90	1.542	O					2.93
78.750	0.00	0.99	1.932	O					3.54	83.833	0.00	0.89	1.536	O					2.92
78.833	0.00	0.98	1.925	O					3.53	83.917	0.00	0.89	1.530	O					2.91
78.917	0.00	0.98	1.918	O					3.52	84.000	0.00	0.89	1.523	O					2.90
79.000	0.00	0.98	1.911	O					3.51	84.083	0.00	0.89	1.517	O					2.89
79.083	0.00	0.98	1.904	O					3.50	84.167	0.00	0.89	1.511	O					2.88
79.167	0.00	0.98	1.898	O					3.49	84.250	0.00	0.88	1.505	O					2.87
79.250	0.00	0.98	1.891	O					3.48	84.333	0.00	0.88	1.499	O					2.86
79.333	0.00	0.98	1.884	O					3.47	84.417	0.00	0.88	1.493	O					2.85
79.417	0.00	0.97	1.878	O					3.46	84.500	0.00	0.88	1.487	O					2.84

84.583	0.00	0.87	1.481	O					2.82	89.667	0.00	0.75	1.141	O					2.21
84.667	0.00	0.87	1.475	O					2.81	89.750	0.00	0.75	1.136	O					2.20
84.750	0.00	0.87	1.469	O					2.80	89.833	0.00	0.74	1.131	O					2.19
84.833	0.00	0.87	1.463	O					2.79	89.917	0.00	0.74	1.126	O					2.18
84.917	0.00	0.87	1.457	O					2.78	90.000	0.00	0.74	1.121	O					2.17
85.000	0.00	0.86	1.451	O					2.77	90.083	0.00	0.74	1.115	O					2.16
85.083	0.00	0.86	1.445	O					2.76	90.167	0.00	0.74	1.110	O					2.15
85.167	0.00	0.86	1.439	O					2.75	90.250	0.00	0.73	1.105	O					2.14
85.250	0.00	0.86	1.433	O					2.74	90.333	0.00	0.73	1.100	O					2.13
85.333	0.00	0.85	1.427	O					2.73	90.417	0.00	0.73	1.095	O					2.12
85.417	0.00	0.85	1.422	O					2.72	90.500	0.00	0.73	1.090	O					2.12
85.500	0.00	0.85	1.416	O					2.71	90.583	0.00	0.73	1.085	O					2.11
85.583	0.00	0.85	1.410	O					2.70	90.667	0.00	0.72	1.080	O					2.10
85.667	0.00	0.85	1.404	O					2.68	90.750	0.00	0.72	1.075	O					2.09
85.750	0.00	0.84	1.398	O					2.67	90.833	0.00	0.72	1.070	O					2.08
85.833	0.00	0.84	1.392	O					2.66	90.917	0.00	0.72	1.065	O					2.07
85.917	0.00	0.84	1.387	O					2.65	91.000	0.00	0.72	1.060	O					2.06
86.000	0.00	0.84	1.381	O					2.64	91.083	0.00	0.72	1.055	O					2.05
86.083	0.00	0.83	1.375	O					2.63	91.167	0.00	0.71	1.050	O					2.04
86.167	0.00	0.83	1.369	O					2.62	91.250	0.00	0.71	1.046	O					2.03
86.250	0.00	0.83	1.364	O					2.61	91.333	0.00	0.71	1.041	O					2.03
86.333	0.00	0.83	1.358	O					2.60	91.417	0.00	0.71	1.036	O					2.02
86.417	0.00	0.83	1.352	O					2.59	91.500	0.00	0.71	1.031	O					2.01
86.500	0.00	0.82	1.347	O					2.58	91.583	0.00	0.70	1.026	O					2.00
86.583	0.00	0.82	1.341	O					2.57	91.667	0.00	0.70	1.021	O					1.99
86.667	0.00	0.82	1.335	O					2.56	91.750	0.00	0.70	1.016	O					1.98
86.750	0.00	0.82	1.330	O					2.55	91.833	0.00	0.70	1.012	O					1.97
86.833	0.00	0.82	1.324	O					2.54	91.917	0.00	0.70	1.007	O					1.96
86.917	0.00	0.81	1.318	O					2.53	92.000	0.00	0.70	1.002	O					1.96
87.000	0.00	0.81	1.313	O					2.52	92.083	0.00	0.69	0.997	O					1.95
87.083	0.00	0.81	1.307	O					2.51	92.167	0.00	0.69	0.992	O					1.94
87.167	0.00	0.81	1.302	O					2.50	92.250	0.00	0.69	0.988	O					1.93
87.250	0.00	0.81	1.296	O					2.49	92.333	0.00	0.69	0.983	O					1.92
87.333	0.00	0.80	1.291	O					2.48	92.417	0.00	0.69	0.978	O					1.91
87.417	0.00	0.80	1.285	O					2.47	92.500	0.00	0.69	0.973	O					1.90
87.500	0.00	0.80	1.279	O					2.46	92.583	0.00	0.68	0.969	O					1.90
87.583	0.00	0.80	1.274	O					2.45	92.667	0.00	0.68	0.964	O					1.89
87.667	0.00	0.79	1.269	O					2.44	92.750	0.00	0.68	0.959	O					1.88
87.750	0.00	0.79	1.263	O					2.43	92.833	0.00	0.68	0.955	O					1.87
87.833	0.00	0.79	1.258	O					2.42	92.917	0.00	0.68	0.950	O					1.86
87.917	0.00	0.79	1.252	O					2.41	93.000	0.00	0.67	0.945	O					1.85
88.000	0.00	0.79	1.247	O					2.40	93.083	0.00	0.67	0.941	O					1.84
88.083	0.00	0.78	1.241	O					2.39	93.167	0.00	0.67	0.936	O					1.84
88.167	0.00	0.78	1.236	O					2.38	93.250	0.00	0.67	0.931	O					1.83
88.250	0.00	0.78	1.231	O					2.37	93.333	0.00	0.67	0.927	O					1.82
88.333	0.00	0.78	1.225	O					2.36	93.417	0.00	0.67	0.922	O					1.81
88.417	0.00	0.78	1.220	O					2.35	93.500	0.00	0.66	0.918	O					1.80
88.500	0.00	0.77	1.214	O					2.34	93.583	0.00	0.66	0.913	O					1.79
88.583	0.00	0.77	1.209	O					2.33	93.667	0.00	0.66	0.909	O					1.79
88.667	0.00	0.77	1.204	O					2.32	93.750	0.00	0.66	0.904	O					1.78
88.750	0.00	0.77	1.198	O					2.31	93.833	0.00	0.66	0.899	O					1.77
88.833	0.00	0.77	1.193	O					2.30	93.917	0.00	0.66	0.895	O					1.76
88.917	0.00	0.77	1.188	O					2.29	94.000	0.00	0.65	0.890	O					1.75
89.000	0.00	0.76	1.183	O					2.28	94.083	0.00	0.65	0.886	O					1.75
89.083	0.00	0.76	1.177	O					2.27	94.167	0.00	0.65	0.881	O					1.74
89.167	0.00	0.76	1.172	O					2.26	94.250	0.00	0.65	0.877	O					1.73
89.250	0.00	0.76	1.167	O					2.25	94.333	0.00	0.65	0.872	O					1.72
89.333	0.00	0.76	1.162	O					2.25	94.417	0.00	0.65	0.868	O					1.71
89.417	0.00	0.75	1.157	O					2.24	94.500	0.00	0.64	0.864	O					1.70
89.500	0.00	0.75	1.151	O					2.23	94.583	0.00	0.64	0.859	O					1.70
89.583	0.00	0.75	1.146	O					2.22	94.667	0.00	0.64	0.855	O					1.69

94.750	0.00	0.64	0.850	O					1.68	99.833	0.00	0.55	0.602	O					1.23
94.833	0.00	0.64	0.846	O					1.67	99.917	0.00	0.55	0.598	O					1.22
94.917	0.00	0.64	0.841	O					1.66	100.000	0.00	0.54	0.594	O					1.22
95.000	0.00	0.63	0.837	O					1.66	100.083	0.00	0.54	0.590	O					1.21
95.083	0.00	0.63	0.833	O					1.65	100.167	0.00	0.54	0.587	O					1.20
95.167	0.00	0.63	0.828	O					1.64	100.250	0.00	0.54	0.583	O					1.20
95.250	0.00	0.63	0.824	O					1.63	100.333	0.00	0.54	0.579	O					1.19
95.333	0.00	0.63	0.820	O					1.63	100.417	0.00	0.54	0.575	O					1.18
95.417	0.00	0.63	0.815	O					1.62	100.500	0.00	0.54	0.572	O					1.18
95.500	0.00	0.62	0.811	O					1.61	100.583	0.00	0.53	0.568	O					1.17
95.583	0.00	0.62	0.807	O					1.60	100.667	0.00	0.53	0.564	O					1.16
95.667	0.00	0.62	0.803	O					1.59	100.750	0.00	0.53	0.561	O					1.16
95.750	0.00	0.62	0.798	O					1.59	100.833	0.00	0.53	0.557	O					1.15
95.833	0.00	0.62	0.794	O					1.58	100.917	0.00	0.53	0.553	O					1.14
95.917	0.00	0.62	0.790	O					1.57	101.000	0.00	0.53	0.550	O					1.14
96.000	0.00	0.62	0.785	O					1.56	101.083	0.00	0.53	0.546	O					1.13
96.083	0.00	0.61	0.781	O					1.56	101.167	0.00	0.53	0.542	O					1.12
96.167	0.00	0.61	0.777	O					1.55	101.250	0.00	0.52	0.539	O					1.12
96.250	0.00	0.61	0.773	O					1.54	101.333	0.00	0.52	0.535	O					1.11
96.333	0.00	0.61	0.769	O					1.53	101.417	0.00	0.52	0.532	O					1.10
96.417	0.00	0.61	0.764	O					1.52	101.500	0.00	0.52	0.528	O					1.10
96.500	0.00	0.61	0.760	O					1.52	101.583	0.00	0.52	0.525	O					1.09
96.583	0.00	0.60	0.756	O					1.51	101.667	0.00	0.52	0.521	O					1.08
96.667	0.00	0.60	0.752	O					1.50	101.750	0.00	0.52	0.517	O					1.08
96.750	0.00	0.60	0.748	O					1.49	101.833	0.00	0.51	0.514	O					1.07
96.833	0.00	0.60	0.744	O					1.49	101.917	0.00	0.51	0.510	O					1.06
96.917	0.00	0.60	0.740	O					1.48	102.000	0.00	0.51	0.507	O					1.06
97.000	0.00	0.60	0.735	O					1.47	102.083	0.00	0.51	0.503	O					1.05
97.083	0.00	0.60	0.731	O					1.46	102.167	0.00	0.51	0.500	O					1.04
97.167	0.00	0.59	0.727	O					1.46	102.250	0.00	0.51	0.496	O					1.04
97.250	0.00	0.59	0.723	O					1.45	102.333	0.00	0.51	0.493	O					1.03
97.333	0.00	0.59	0.719	O					1.44	102.417	0.00	0.51	0.489	O					1.03
97.417	0.00	0.59	0.715	O					1.44	102.500	0.00	0.50	0.486	O					1.02
97.500	0.00	0.59	0.711	O					1.43	102.583	0.00	0.50	0.482	O					1.01
97.583	0.00	0.59	0.707	O					1.42	102.667	0.00	0.50	0.479	O					1.01
97.667	0.00	0.58	0.703	O					1.41	102.750	0.00	0.50	0.475	O					1.00
97.750	0.00	0.58	0.699	O					1.41	102.833	0.00	0.50	0.472	O					0.99
97.833	0.00	0.58	0.695	O					1.40	102.917	0.00	0.49	0.469	O					0.99
97.917	0.00	0.58	0.691	O					1.39	103.000	0.00	0.49	0.465	O					0.98
98.000	0.00	0.58	0.687	O					1.38	103.083	0.00	0.49	0.462	O					0.97
98.083	0.00	0.58	0.683	O					1.38	103.167	0.00	0.48	0.459	O					0.97
98.167	0.00	0.58	0.679	O					1.37	103.250	0.00	0.48	0.455	O					0.96
98.250	0.00	0.57	0.675	O					1.36	103.333	0.00	0.48	0.452	O					0.95
98.333	0.00	0.57	0.671	O					1.36	103.417	0.00	0.47	0.449	O					0.94
98.417	0.00	0.57	0.667	O					1.35	103.500	0.00	0.47	0.445	O					0.94
98.500	0.00	0.57	0.663	O					1.34	103.583	0.00	0.47	0.442	O					0.93
98.583	0.00	0.57	0.659	O					1.33	103.667	0.00	0.46	0.439	O					0.92
98.667	0.00	0.57	0.655	O					1.33	103.750	0.00	0.46	0.436	O					0.92
98.750	0.00	0.57	0.651	O					1.32	103.833	0.00	0.46	0.433	O					0.91
98.833	0.00	0.56	0.647	O					1.31	103.917	0.00	0.45	0.430	O					0.90
98.917	0.00	0.56	0.644	O					1.31	104.000	0.00	0.45	0.426	O					0.90
99.000	0.00	0.56	0.640	O					1.30	104.083	0.00	0.45	0.423	O					0.89
99.083	0.00	0.56	0.636	O					1.29	104.167	0.00	0.44	0.420	O					0.88
99.167	0.00	0.56	0.632	O					1.28	104.250	0.00	0.44	0.417	O					0.88
99.250	0.00	0.56	0.628	O					1.28	104.333	0.00	0.44	0.414	O					0.87
99.333	0.00	0.56	0.624	O					1.27	104.417	0.00	0.43	0.411	O					0.87
99.417	0.00	0.55	0.621	O					1.26	104.500	0.00	0.43	0.408	O					0.86
99.500	0.00	0.55	0.617	O					1.26	104.583	0.00	0.43	0.405	O					0.85
99.583	0.00	0.55	0.613	O					1.25	104.667	0.00	0.42	0.402	O					0.85
99.667	0.00	0.55	0.609	O					1.24	104.750	0.00	0.42	0.400	O					0.84
99.750	0.00	0.55	0.605	O					1.24	104.833	0.00	0.42	0.397	O					0.83

104.917	0.00	0.41	0.394	O					0.83	110.000	0.00	0.27	0.253	O					0.53
105.000	0.00	0.41	0.391	O					0.82	110.083	0.00	0.26	0.251	O					0.53
105.083	0.00	0.41	0.388	O					0.82	110.167	0.00	0.26	0.249	O					0.53
105.167	0.00	0.41	0.385	O					0.81	110.250	0.00	0.26	0.248	O					0.52
105.250	0.00	0.40	0.382	O					0.81	110.333	0.00	0.26	0.246	O					0.52
105.333	0.00	0.40	0.380	O					0.80	110.417	0.00	0.26	0.244	O					0.51
105.417	0.00	0.40	0.377	O					0.79	110.500	0.00	0.26	0.242	O					0.51
105.500	0.00	0.39	0.374	O					0.79	110.583	0.00	0.25	0.241	O					0.51
105.583	0.00	0.39	0.372	O					0.78	110.667	0.00	0.25	0.239	O					0.50
105.667	0.00	0.39	0.369	O					0.78	110.750	0.00	0.25	0.237	O					0.50
105.750	0.00	0.39	0.366	O					0.77	110.833	0.00	0.25	0.235	O					0.50
105.833	0.00	0.38	0.364	O					0.77	110.917	0.00	0.25	0.234	O					0.49
105.917	0.00	0.38	0.361	O					0.76	111.000	0.00	0.24	0.232	O					0.49
106.000	0.00	0.38	0.358	O					0.75	111.083	0.00	0.24	0.230	O					0.48
106.083	0.00	0.37	0.356	O					0.75	111.167	0.00	0.24	0.229	O					0.48
106.167	0.00	0.37	0.353	O					0.74	111.250	0.00	0.24	0.227	O					0.48
106.250	0.00	0.37	0.351	O					0.74	111.333	0.00	0.24	0.225	O					0.47
106.333	0.00	0.37	0.348	O					0.73	111.417	0.00	0.24	0.224	O					0.47
106.417	0.00	0.36	0.346	O					0.73	111.500	0.00	0.23	0.222	O					0.47
106.500	0.00	0.36	0.343	O					0.72	111.583	0.00	0.23	0.220	O					0.46
106.583	0.00	0.36	0.341	O					0.72	111.667	0.00	0.23	0.219	O					0.46
106.667	0.00	0.36	0.338	O					0.71	111.750	0.00	0.23	0.217	O					0.46
106.750	0.00	0.35	0.336	O					0.71	111.833	0.00	0.23	0.216	O					0.45
106.833	0.00	0.35	0.333	O					0.70	111.917	0.00	0.23	0.214	O					0.45
106.917	0.00	0.35	0.331	O					0.70	112.000	0.00	0.22	0.213	O					0.45
107.000	0.00	0.35	0.328	O					0.69	112.083	0.00	0.22	0.211	O					0.44
107.083	0.00	0.34	0.326	O					0.69	112.167	0.00	0.22	0.210	O					0.44
107.167	0.00	0.34	0.324	O					0.68	112.250	0.00	0.22	0.208	O					0.44
107.250	0.00	0.34	0.321	O					0.68	112.333	0.00	0.22	0.207	O					0.43
107.333	0.00	0.34	0.319	O					0.67	112.417	0.00	0.22	0.205	O					0.43
107.417	0.00	0.33	0.317	O					0.67	112.500	0.00	0.21	0.204	O					0.43
107.500	0.00	0.33	0.315	O					0.66	112.583	0.00	0.21	0.202	O					0.43
107.583	0.00	0.33	0.312	O					0.66	112.667	0.00	0.21	0.201	O					0.42
107.667	0.00	0.33	0.310	O					0.65	112.750	0.00	0.21	0.199	O					0.42
107.750	0.00	0.32	0.308	O					0.65	112.833	0.00	0.21	0.198	O					0.42
107.833	0.00	0.32	0.306	O					0.64	112.917	0.00	0.21	0.196	O					0.41
107.917	0.00	0.32	0.303	O					0.64	113.000	0.00	0.21	0.195	O					0.41
108.000	0.00	0.32	0.301	O					0.63	113.083	0.00	0.20	0.193	O					0.41
108.083	0.00	0.31	0.299	O					0.63	113.167	0.00	0.20	0.192	O					0.40
108.167	0.00	0.31	0.297	O					0.62	113.250	0.00	0.20	0.191	O					0.40
108.250	0.00	0.31	0.295	O					0.62	113.333	0.00	0.20	0.189	O					0.40
108.333	0.00	0.31	0.293	O					0.62	113.417	0.00	0.20	0.188	O					0.40
108.417	0.00	0.31	0.290	O					0.61	113.500	0.00	0.20	0.187	O					0.39
108.500	0.00	0.30	0.288	O					0.61	113.583	0.00	0.20	0.185	O					0.39
108.583	0.00	0.30	0.286	O					0.60	113.667	0.00	0.19	0.184	O					0.39
108.667	0.00	0.30	0.284	O					0.60	113.750	0.00	0.19	0.183	O					0.38
108.750	0.00	0.30	0.282	O					0.59	113.833	0.00	0.19	0.181	O					0.38
108.833	0.00	0.29	0.280	O					0.59	113.917	0.00	0.19	0.180	O					0.38
108.917	0.00	0.29	0.278	O					0.59	114.000	0.00	0.19	0.179	O					0.38
109.000	0.00	0.29	0.276	O					0.58	114.083	0.00	0.19	0.177	O					0.37
109.083	0.00	0.29	0.274	O					0.58	114.167	0.00	0.19	0.176	O					0.37
109.167	0.00	0.29	0.272	O					0.57	114.250	0.00	0.18	0.175	O					0.37
109.250	0.00	0.28	0.270	O					0.57	114.333	0.00	0.18	0.174	O					0.37
109.333	0.00	0.28	0.268	O					0.56	114.417	0.00	0.18	0.172	O					0.36
109.417	0.00	0.28	0.266	O					0.56	114.500	0.00	0.18	0.171	O					0.36
109.500	0.00	0.28	0.264	O					0.56	114.583	0.00	0.18	0.170	O					0.36
109.583	0.00	0.28	0.262	O					0.55	114.667	0.00	0.18	0.169	O					0.35
109.667	0.00	0.27	0.260	O					0.55	114.750	0.00	0.18	0.167	O					0.35
109.750	0.00	0.27	0.259	O					0.54	114.833	0.00	0.17	0.166	O					0.35
109.833	0.00	0.27	0.257	O					0.54	114.917	0.00	0.17	0.165	O					0.35
109.917	0.00	0.27	0.255	O					0.54	115.000	0.00	0.17	0.164	O					0.34

115.083	0.00	0.17	0.163	O					0.34	120.167	0.00	0.11	0.104	O					0.22
115.167	0.00	0.17	0.161	O					0.34	120.250	0.00	0.11	0.104	O					0.22
115.250	0.00	0.17	0.160	O					0.34	120.333	0.00	0.11	0.103	O					0.22
115.333	0.00	0.17	0.159	O					0.33	120.417	0.00	0.11	0.102	O					0.22
115.417	0.00	0.17	0.158	O					0.33	120.500	0.00	0.11	0.101	O					0.21
115.500	0.00	0.17	0.157	O					0.33	120.583	0.00	0.11	0.101	O					0.21
115.583	0.00	0.16	0.156	O					0.33	120.667	0.00	0.11	0.100	O					0.21
115.667	0.00	0.16	0.155	O					0.33	120.750	0.00	0.10	0.099	O					0.21
115.750	0.00	0.16	0.153	O					0.32	120.833	0.00	0.10	0.099	O					0.21
115.833	0.00	0.16	0.152	O					0.32	120.917	0.00	0.10	0.098	O					0.21
115.917	0.00	0.16	0.151	O					0.32	121.000	0.00	0.10	0.097	O					0.20
116.000	0.00	0.16	0.150	O					0.32	121.083	0.00	0.10	0.096	O					0.20
116.083	0.00	0.16	0.149	O					0.31	121.167	0.00	0.10	0.096	O					0.20
116.167	0.00	0.16	0.148	O					0.31	121.250	0.00	0.10	0.095	O					0.20
116.250	0.00	0.15	0.147	O					0.31	121.333	0.00	0.10	0.094	O					0.20
116.333	0.00	0.15	0.146	O					0.31	121.417	0.00	0.10	0.094	O					0.20
116.417	0.00	0.15	0.145	O					0.30	121.500	0.00	0.10	0.093	O					0.20
116.500	0.00	0.15	0.144	O					0.30	121.583	0.00	0.10	0.092	O					0.19
116.583	0.00	0.15	0.143	O					0.30	121.667	0.00	0.10	0.092	O					0.19
116.667	0.00	0.15	0.142	O					0.30	121.750	0.00	0.10	0.091	O					0.19
116.750	0.00	0.15	0.141	O					0.30	121.833	0.00	0.10	0.090	O					0.19
116.833	0.00	0.15	0.140	O					0.29	121.917	0.00	0.09	0.090	O					0.19
116.917	0.00	0.15	0.139	O					0.29	122.000	0.00	0.09	0.089	O					0.19
117.000	0.00	0.14	0.138	O					0.29	122.083	0.00	0.09	0.088	O					0.19
117.083	0.00	0.14	0.137	O					0.29	122.167	0.00	0.09	0.088	O					0.18
117.167	0.00	0.14	0.136	O					0.29	122.250	0.00	0.09	0.087	O					0.18
117.250	0.00	0.14	0.135	O					0.28	122.333	0.00	0.09	0.087	O					0.18
117.333	0.00	0.14	0.134	O					0.28	122.417	0.00	0.09	0.086	O					0.18
117.417	0.00	0.14	0.133	O					0.28	122.500	0.00	0.09	0.085	O					0.18
117.500	0.00	0.14	0.132	O					0.28	122.583	0.00	0.09	0.085	O					0.18
117.583	0.00	0.14	0.131	O					0.28	122.667	0.00	0.09	0.084	O					0.18
117.667	0.00	0.14	0.130	O					0.27	122.750	0.00	0.09	0.083	O					0.18
117.750	0.00	0.14	0.129	O					0.27	122.833	0.00	0.09	0.083	O					0.17
117.833	0.00	0.13	0.128	O					0.27	122.917	0.00	0.09	0.082	O					0.17
117.917	0.00	0.13	0.127	O					0.27	123.000	0.00	0.09	0.082	O					0.17
118.000	0.00	0.13	0.126	O					0.27	123.083	0.00	0.09	0.081	O					0.17
118.083	0.00	0.13	0.125	O					0.26	123.167	0.00	0.08	0.080	O					0.17
118.167	0.00	0.13	0.124	O					0.26	123.250	0.00	0.08	0.080	O					0.17
118.250	0.00	0.13	0.123	O					0.26	123.333	0.00	0.08	0.079	O					0.17
118.333	0.00	0.13	0.123	O					0.26	123.417	0.00	0.08	0.079	O					0.17
118.417	0.00	0.13	0.122	O					0.26	123.500	0.00	0.08	0.078	O					0.16
118.500	0.00	0.13	0.121	O					0.25	123.583	0.00	0.08	0.078	O					0.16
118.583	0.00	0.13	0.120	O					0.25	123.667	0.00	0.08	0.077	O					0.16
118.667	0.00	0.13	0.119	O					0.25	123.750	0.00	0.08	0.077	O					0.16
118.750	0.00	0.12	0.118	O					0.25	123.833	0.00	0.08	0.076	O					0.16
118.833	0.00	0.12	0.117	O					0.25	123.917	0.00	0.08	0.075	O					0.16
118.917	0.00	0.12	0.116	O					0.25	124.000	0.00	0.08	0.075	O					0.16
119.000	0.00	0.12	0.116	O					0.24	124.083	0.00	0.08	0.074	O					0.16
119.083	0.00	0.12	0.115	O					0.24	124.167	0.00	0.08	0.074	O					0.16
119.167	0.00	0.12	0.114	O					0.24	124.250	0.00	0.08	0.073	O					0.15
119.250	0.00	0.12	0.113	O					0.24	124.333	0.00	0.08	0.073	O					0.15
119.333	0.00	0.12	0.112	O					0.24	124.417	0.00	0.08	0.072	O					0.15
119.417	0.00	0.12	0.112	O					0.23	124.500	0.00	0.08	0.072	O					0.15
119.500	0.00	0.12	0.111	O					0.23	124.583	0.00	0.07	0.071	O					0.15
119.583	0.00	0.12	0.110	O					0.23	124.667	0.00	0.07	0.071	O					0.15
119.667	0.00	0.11	0.109	O					0.23	124.750	0.00	0.07	0.070	O					0.15
119.750	0.00	0.11	0.108	O					0.23	124.833	0.00	0.07	0.070	O					0.15
119.833	0.00	0.11	0.108	O					0.23	124.917	0.00	0.07	0.069	O					0.15
119.917	0.00	0.11	0.107	O					0.22	125.000	0.00	0.07	0.069	O					0.14
120.000	0.00	0.11	0.106	O					0.22	125.083	0.00	0.07	0.068	O					0.14
120.083	0.00	0.11	0.105	O					0.22	125.167	0.00	0.07	0.068	O					0.14

125.250	0.00	0.07	0.067	O					0.14	130.333	0.00	0.05	0.043	O					0.09
125.333	0.00	0.07	0.067	O					0.14	130.417	0.00	0.05	0.043	O					0.09
125.417	0.00	0.07	0.066	O					0.14	130.500	0.00	0.04	0.043	O					0.09
125.500	0.00	0.07	0.066	O					0.14	130.583	0.00	0.04	0.042	O					0.09
125.583	0.00	0.07	0.065	O					0.14	130.667	0.00	0.04	0.042	O					0.09
125.667	0.00	0.07	0.065	O					0.14	130.750	0.00	0.04	0.042	O					0.09
125.750	0.00	0.07	0.064	O					0.14	130.833	0.00	0.04	0.041	O					0.09
125.833	0.00	0.07	0.064	O					0.13	130.917	0.00	0.04	0.041	O					0.09
125.917	0.00	0.07	0.063	O					0.13	131.000	0.00	0.04	0.041	O					0.09
126.000	0.00	0.07	0.063	O					0.13	131.083	0.00	0.04	0.040	O					0.09
126.083	0.00	0.07	0.062	O					0.13	131.167	0.00	0.04	0.040	O					0.08
126.167	0.00	0.07	0.062	O					0.13	131.250	0.00	0.04	0.040	O					0.08
126.250	0.00	0.06	0.062	O					0.13	131.333	0.00	0.04	0.040	O					0.08
126.333	0.00	0.06	0.061	O					0.13	131.417	0.00	0.04	0.039	O					0.08
126.417	0.00	0.06	0.061	O					0.13	131.500	0.00	0.04	0.039	O					0.08
126.500	0.00	0.06	0.060	O					0.13	131.583	0.00	0.04	0.039	O					0.08
126.583	0.00	0.06	0.060	O					0.13	131.667	0.00	0.04	0.038	O					0.08
126.667	0.00	0.06	0.059	O					0.12	131.750	0.00	0.04	0.038	O					0.08
126.750	0.00	0.06	0.059	O					0.12	131.833	0.00	0.04	0.038	O					0.08
126.833	0.00	0.06	0.059	O					0.12	131.917	0.00	0.04	0.038	O					0.08
126.917	0.00	0.06	0.058	O					0.12	132.000	0.00	0.04	0.037	O					0.08
127.000	0.00	0.06	0.058	O					0.12	132.083	0.00	0.04	0.037	O					0.08
127.083	0.00	0.06	0.057	O					0.12	132.167	0.00	0.04	0.037	O					0.08
127.167	0.00	0.06	0.057	O					0.12	132.250	0.00	0.04	0.037	O					0.08
127.250	0.00	0.06	0.056	O					0.12	132.333	0.00	0.04	0.036	O					0.08
127.333	0.00	0.06	0.056	O					0.12	132.417	0.00	0.04	0.036	O					0.08
127.417	0.00	0.06	0.056	O					0.12	132.500	0.00	0.04	0.036	O					0.08
127.500	0.00	0.06	0.055	O					0.12	132.583	0.00	0.04	0.035	O					0.07
127.583	0.00	0.06	0.055	O					0.12	132.667	0.00	0.04	0.035	O					0.07
127.667	0.00	0.06	0.054	O					0.11	132.750	0.00	0.04	0.035	O					0.07
127.750	0.00	0.06	0.054	O					0.11	132.833	0.00	0.04	0.035	O					0.07
127.833	0.00	0.06	0.054	O					0.11	132.917	0.00	0.04	0.034	O					0.07
127.917	0.00	0.06	0.053	O					0.11	133.000	0.00	0.04	0.034	O					0.07
128.000	0.00	0.06	0.053	O					0.11	133.083	0.00	0.04	0.034	O					0.07
128.083	0.00	0.06	0.052	O					0.11	133.167	0.00	0.04	0.034	O					0.07
128.167	0.00	0.05	0.052	O					0.11	133.250	0.00	0.04	0.033	O					0.07
128.250	0.00	0.05	0.052	O					0.11	133.333	0.00	0.03	0.033	O					0.07
128.333	0.00	0.05	0.051	O					0.11	133.417	0.00	0.03	0.033	O					0.07
128.417	0.00	0.05	0.051	O					0.11	133.500	0.00	0.03	0.033	O					0.07
128.500	0.00	0.05	0.051	O					0.11	133.583	0.00	0.03	0.033	O					0.07
128.583	0.00	0.05	0.050	O					0.11	133.667	0.00	0.03	0.032	O					0.07
128.667	0.00	0.05	0.050	O					0.11	133.750	0.00	0.03	0.032	O					0.07
128.750	0.00	0.05	0.050	O					0.10	133.833	0.00	0.03	0.032	O					0.07
128.833	0.00	0.05	0.049	O					0.10	133.917	0.00	0.03	0.032	O					0.07
128.917	0.00	0.05	0.049	O					0.10	134.000	0.00	0.03	0.031	O					0.07
129.000	0.00	0.05	0.048	O					0.10	134.083	0.00	0.03	0.031	O					0.07
129.083	0.00	0.05	0.048	O					0.10	134.167	0.00	0.03	0.031	O					0.07
129.167	0.00	0.05	0.048	O					0.10	134.250	0.00	0.03	0.031	O					0.06
129.250	0.00	0.05	0.047	O					0.10	134.333	0.00	0.03	0.030	O					0.06
129.333	0.00	0.05	0.047	O					0.10	134.417	0.00	0.03	0.030	O					0.06
129.417	0.00	0.05	0.047	O					0.10	134.500	0.00	0.03	0.030	O					0.06
129.500	0.00	0.05	0.046	O					0.10	134.583	0.00	0.03	0.030	O					0.06
129.583	0.00	0.05	0.046	O					0.10	134.667	0.00	0.03	0.030	O					0.06
129.667	0.00	0.05	0.046	O					0.10	134.750	0.00	0.03	0.029	O					0.06
129.750	0.00	0.05	0.045	O					0.10	134.833	0.00	0.03	0.029	O					0.06
129.833	0.00	0.05	0.045	O					0.09	134.917	0.00	0.03	0.029	O					0.06
129.917	0.00	0.05	0.045	O					0.09	135.000	0.00	0.03	0.029	O					0.06
130.000	0.00	0.05	0.044	O					0.09	135.083	0.00	0.03	0.029	O					0.06
130.083	0.00	0.05	0.044	O					0.09	135.167	0.00	0.03	0.028	O					0.06
130.167	0.00	0.05	0.044	O					0.09	135.250	0.00	0.03	0.028	O					0.06
130.250	0.00	0.05	0.043	O					0.09	135.333	0.00	0.03	0.028	O					0.06

135.417	0.00	0.03	0.028	O					0.06	140.500	0.00	0.02	0.018	O					0.04
135.500	0.00	0.03	0.028	O					0.06	140.583	0.00	0.02	0.018	O					0.04
135.583	0.00	0.03	0.027	O					0.06	140.667	0.00	0.02	0.018	O					0.04
135.667	0.00	0.03	0.027	O					0.06	140.750	0.00	0.02	0.017	O					0.04
135.750	0.00	0.03	0.027	O					0.06	140.833	0.00	0.02	0.017	O					0.04
135.833	0.00	0.03	0.027	O					0.06	140.917	0.00	0.02	0.017	O					0.04
135.917	0.00	0.03	0.027	O					0.06	141.000	0.00	0.02	0.017	O					0.04
136.000	0.00	0.03	0.026	O					0.06	141.083	0.00	0.02	0.017	O					0.04
136.083	0.00	0.03	0.026	O					0.06	141.167	0.00	0.02	0.017	O					0.04
136.167	0.00	0.03	0.026	O					0.05	141.250	0.00	0.02	0.017	O					0.04
136.250	0.00	0.03	0.026	O					0.05	141.333	0.00	0.02	0.017	O					0.03
136.333	0.00	0.03	0.026	O					0.05	141.417	0.00	0.02	0.016	O					0.03
136.417	0.00	0.03	0.025	O					0.05	141.500	0.00	0.02	0.016	O					0.03
136.500	0.00	0.03	0.025	O					0.05	141.583	0.00	0.02	0.016	O					0.03
136.583	0.00	0.03	0.025	O					0.05	141.667	0.00	0.02	0.016	O					0.03
136.667	0.00	0.03	0.025	O					0.05	141.750	0.00	0.02	0.016	O					0.03
136.750	0.00	0.03	0.025	O					0.05	141.833	0.00	0.02	0.016	O					0.03
136.833	0.00	0.03	0.025	O					0.05	141.917	0.00	0.02	0.016	O					0.03
136.917	0.00	0.03	0.024	O					0.05	142.000	0.00	0.02	0.016	O					0.03
137.000	0.00	0.03	0.024	O					0.05	142.083	0.00	0.02	0.016	O					0.03
137.083	0.00	0.03	0.024	O					0.05	142.167	0.00	0.02	0.015	O					0.03
137.167	0.00	0.03	0.024	O					0.05	142.250	0.00	0.02	0.015	O					0.03
137.250	0.00	0.02	0.024	O					0.05	142.333	0.00	0.02	0.015	O					0.03
137.333	0.00	0.02	0.023	O					0.05	142.417	0.00	0.02	0.015	O					0.03
137.417	0.00	0.02	0.023	O					0.05	142.500	0.00	0.02	0.015	O					0.03
137.500	0.00	0.02	0.023	O					0.05	142.583	0.00	0.02	0.015	O					0.03
137.583	0.00	0.02	0.023	O					0.05	142.667	0.00	0.02	0.015	O					0.03
137.667	0.00	0.02	0.023	O					0.05	142.750	0.00	0.02	0.015	O					0.03
137.750	0.00	0.02	0.023	O					0.05	142.833	0.00	0.02	0.015	O					0.03
137.833	0.00	0.02	0.022	O					0.05	142.917	0.00	0.02	0.014	O					0.03
137.917	0.00	0.02	0.022	O					0.05	143.000	0.00	0.02	0.014	O					0.03
138.000	0.00	0.02	0.022	O					0.05	143.083	0.00	0.01	0.014	O					0.03
138.083	0.00	0.02	0.022	O					0.05	143.167	0.00	0.01	0.014	O					0.03
138.167	0.00	0.02	0.022	O					0.05	143.250	0.00	0.01	0.014	O					0.03
138.250	0.00	0.02	0.022	O					0.05	143.333	0.00	0.01	0.014	O					0.03
138.333	0.00	0.02	0.022	O					0.05	143.417	0.00	0.01	0.014	O					0.03
138.417	0.00	0.02	0.021	O					0.04	143.500	0.00	0.01	0.014	O					0.03
138.500	0.00	0.02	0.021	O					0.04	143.583	0.00	0.01	0.014	O					0.03
138.583	0.00	0.02	0.021	O					0.04	143.667	0.00	0.01	0.014	O					0.03
138.667	0.00	0.02	0.021	O					0.04	143.750	0.00	0.01	0.013	O					0.03
138.750	0.00	0.02	0.021	O					0.04	143.833	0.00	0.01	0.013	O					0.03
138.833	0.00	0.02	0.021	O					0.04	143.917	0.00	0.01	0.013	O					0.03
138.917	0.00	0.02	0.020	O					0.04	144.000	0.00	0.01	0.013	O					0.03
139.000	0.00	0.02	0.020	O					0.04	144.083	0.00	0.01	0.013	O					0.03
139.083	0.00	0.02	0.020	O					0.04	144.167	0.00	0.01	0.013	O					0.03
139.167	0.00	0.02	0.020	O					0.04	144.250	0.00	0.01	0.013	O					0.03
139.250	0.00	0.02	0.020	O					0.04	144.333	0.00	0.01	0.013	O					0.03
139.333	0.00	0.02	0.020	O					0.04	144.417	0.00	0.01	0.013	O					0.03
139.417	0.00	0.02	0.020	O					0.04	144.500	0.00	0.01	0.013	O					0.03
139.500	0.00	0.02	0.019	O					0.04	144.583	0.00	0.01	0.012	O					0.03
139.583	0.00	0.02	0.019	O					0.04	144.667	0.00	0.01	0.012	O					0.03
139.667	0.00	0.02	0.019	O					0.04	144.750	0.00	0.01	0.012	O					0.03
139.750	0.00	0.02	0.019	O					0.04	144.833	0.00	0.01	0.012	O					0.03
139.833	0.00	0.02	0.019	O					0.04	144.917	0.00	0.01	0.012	O					0.03
139.917	0.00	0.02	0.019	O					0.04	145.000	0.00	0.01	0.012	O					0.03
140.000	0.00	0.02	0.019	O					0.04	145.083	0.00	0.01	0.012	O					0.03
140.083	0.00	0.02	0.018	O					0.04	145.167	0.00	0.01	0.012	O					0.02
140.167	0.00	0.02	0.018	O					0.04	145.250	0.00	0.01	0.012	O					0.02
140.250	0.00	0.02	0.018	O					0.04	145.333	0.00	0.01	0.012	O					0.02
140.333	0.00	0.02	0.018	O					0.04	145.417	0.00	0.01	0.012	O					0.02
140.417	0.00	0.02	0.018	O					0.04	145.500	0.00	0.01	0.012	O					0.02

145.583	0.00	0.01	0.011	O					0.02	150.667	0.00	0.01	0.007	O					0.02
145.667	0.00	0.01	0.011	O					0.02	150.750	0.00	0.01	0.007	O					0.02
145.750	0.00	0.01	0.011	O					0.02	150.833	0.00	0.01	0.007	O					0.02
145.833	0.00	0.01	0.011	O					0.02	150.917	0.00	0.01	0.007	O					0.02
145.917	0.00	0.01	0.011	O					0.02	151.000	0.00	0.01	0.007	O					0.02
146.000	0.00	0.01	0.011	O					0.02	151.083	0.00	0.01	0.007	O					0.01
146.083	0.00	0.01	0.011	O					0.02	151.167	0.00	0.01	0.007	O					0.01
146.167	0.00	0.01	0.011	O					0.02	151.250	0.00	0.01	0.007	O					0.01
146.250	0.00	0.01	0.011	O					0.02	151.333	0.00	0.01	0.007	O					0.01
146.333	0.00	0.01	0.011	O					0.02	151.417	0.00	0.01	0.007	O					0.01
146.417	0.00	0.01	0.011	O					0.02	151.500	0.00	0.01	0.007	O					0.01
146.500	0.00	0.01	0.011	O					0.02	151.583	0.00	0.01	0.007	O					0.01
146.583	0.00	0.01	0.010	O					0.02	151.667	0.00	0.01	0.007	O					0.01
146.667	0.00	0.01	0.010	O					0.02	151.750	0.00	0.01	0.007	O					0.01
146.750	0.00	0.01	0.010	O					0.02	151.833	0.00	0.01	0.007	O					0.01
146.833	0.00	0.01	0.010	O					0.02	151.917	0.00	0.01	0.007	O					0.01
146.917	0.00	0.01	0.010	O					0.02	152.000	0.00	0.01	0.007	O					0.01
147.000	0.00	0.01	0.010	O					0.02	152.083	0.00	0.01	0.007	O					0.01
147.083	0.00	0.01	0.010	O					0.02	152.167	0.00	0.01	0.006	O					0.01
147.167	0.00	0.01	0.010	O					0.02	152.250	0.00	0.01	0.006	O					0.01
147.250	0.00	0.01	0.010	O					0.02	152.333	0.00	0.01	0.006	O					0.01
147.333	0.00	0.01	0.010	O					0.02	152.417	0.00	0.01	0.006	O					0.01
147.417	0.00	0.01	0.010	O					0.02	152.500	0.00	0.01	0.006	O					0.01
147.500	0.00	0.01	0.010	O					0.02	152.583	0.00	0.01	0.006	O					0.01
147.583	0.00	0.01	0.010	O					0.02	152.667	0.00	0.01	0.006	O					0.01
147.667	0.00	0.01	0.010	O					0.02	152.750	0.00	0.01	0.006	O					0.01
147.750	0.00	0.01	0.009	O					0.02	152.833	0.00	0.01	0.006	O					0.01
147.833	0.00	0.01	0.009	O					0.02	152.917	0.00	0.01	0.006	O					0.01
147.917	0.00	0.01	0.009	O					0.02	153.000	0.00	0.01	0.006	O					0.01
148.000	0.00	0.01	0.009	O					0.02	153.083	0.00	0.01	0.006	O					0.01
148.083	0.00	0.01	0.009	O					0.02	153.167	0.00	0.01	0.006	O					0.01
148.167	0.00	0.01	0.009	O					0.02	153.250	0.00	0.01	0.006	O					0.01
148.250	0.00	0.01	0.009	O					0.02	153.333	0.00	0.01	0.006	O					0.01
148.333	0.00	0.01	0.009	O					0.02	153.417	0.00	0.01	0.006	O					0.01
148.417	0.00	0.01	0.009	O					0.02	153.500	0.00	0.01	0.006	O					0.01
148.500	0.00	0.01	0.009	O					0.02	153.583	0.00	0.01	0.006	O					0.01
148.583	0.00	0.01	0.009	O					0.02	153.667	0.00	0.01	0.006	O					0.01
148.667	0.00	0.01	0.009	O					0.02	153.750	0.00	0.01	0.006	O					0.01
148.750	0.00	0.01	0.009	O					0.02	153.833	0.00	0.01	0.006	O					0.01
148.833	0.00	0.01	0.009	O					0.02	153.917	0.00	0.01	0.006	O					0.01
148.917	0.00	0.01	0.009	O					0.02	154.000	0.00	0.01	0.006	O					0.01
149.000	0.00	0.01	0.009	O					0.02	154.083	0.00	0.01	0.005	O					0.01
149.083	0.00	0.01	0.008	O					0.02	154.167	0.00	0.01	0.005	O					0.01
149.167	0.00	0.01	0.008	O					0.02	154.250	0.00	0.01	0.005	O					0.01
149.250	0.00	0.01	0.008	O					0.02	154.333	0.00	0.01	0.005	O					0.01
149.333	0.00	0.01	0.008	O					0.02	154.417	0.00	0.01	0.005	O					0.01
149.417	0.00	0.01	0.008	O					0.02	154.500	0.00	0.01	0.005	O					0.01
149.500	0.00	0.01	0.008	O					0.02	154.583	0.00	0.01	0.005	O					0.01
149.583	0.00	0.01	0.008	O					0.02	154.667	0.00	0.01	0.005	O					0.01
149.667	0.00	0.01	0.008	O					0.02	154.750	0.00	0.01	0.005	O					0.01
149.750	0.00	0.01	0.008	O					0.02	154.833	0.00	0.01	0.005	O					0.01
149.833	0.00	0.01	0.008	O					0.02	154.917	0.00	0.01	0.005	O					0.01
149.917	0.00	0.01	0.008	O					0.02	155.000	0.00	0.01	0.005	O					0.01
150.000	0.00	0.01	0.008	O					0.02	155.083	0.00	0.01	0.005	O					0.01
150.083	0.00	0.01	0.008	O					0.02	155.167	0.00	0.01	0.005	O					0.01
150.167	0.00	0.01	0.008	O					0.02	155.250	0.00	0.01	0.005	O					0.01
150.250	0.00	0.01	0.008	O					0.02	155.333	0.00	0.01	0.005	O					0.01
150.333	0.00	0.01	0.008	O					0.02	155.417	0.00	0.01	0.005	O					0.01
150.417	0.00	0.01	0.008	O					0.02	155.500	0.00	0.01	0.005	O					0.01
150.500	0.00	0.01	0.007	O					0.02	155.583	0.00	0.01	0.005	O					0.01
150.583	0.00	0.01	0.007	O					0.02	155.667	0.00	0.01	0.005	O					0.01

155.750	0.00	0.00	0.005	O					0.01	160.833	0.00	0.00	0.003	O					0.01
155.833	0.00	0.00	0.005	O					0.01	160.917	0.00	0.00	0.003	O					0.01
155.917	0.00	0.00	0.005	O					0.01	161.000	0.00	0.00	0.003	O					0.01
156.000	0.00	0.00	0.005	O					0.01	161.083	0.00	0.00	0.003	O					0.01
156.083	0.00	0.00	0.005	O					0.01	161.167	0.00	0.00	0.003	O					0.01
156.167	0.00	0.00	0.005	O					0.01	161.250	0.00	0.00	0.003	O					0.01
156.250	0.00	0.00	0.005	O					0.01	161.333	0.00	0.00	0.003	O					0.01
156.333	0.00	0.00	0.004	O					0.01	161.417	0.00	0.00	0.003	O					0.01
156.417	0.00	0.00	0.004	O					0.01	161.500	0.00	0.00	0.003	O					0.01
156.500	0.00	0.00	0.004	O					0.01	161.583	0.00	0.00	0.003	O					0.01
156.583	0.00	0.00	0.004	O					0.01	161.667	0.00	0.00	0.003	O					0.01
156.667	0.00	0.00	0.004	O					0.01	161.750	0.00	0.00	0.003	O					0.01
156.750	0.00	0.00	0.004	O					0.01	161.833	0.00	0.00	0.003	O					0.01
156.833	0.00	0.00	0.004	O					0.01	161.917	0.00	0.00	0.003	O					0.01
156.917	0.00	0.00	0.004	O					0.01	162.000	0.00	0.00	0.003	O					0.01
157.000	0.00	0.00	0.004	O					0.01	162.083	0.00	0.00	0.003	O					0.01
157.083	0.00	0.00	0.004	O					0.01	162.167	0.00	0.00	0.003	O					0.01
157.167	0.00	0.00	0.004	O					0.01	162.250	0.00	0.00	0.003	O					0.01
157.250	0.00	0.00	0.004	O					0.01	162.333	0.00	0.00	0.003	O					0.01
157.333	0.00	0.00	0.004	O					0.01	162.417	0.00	0.00	0.003	O					0.01
157.417	0.00	0.00	0.004	O					0.01	162.500	0.00	0.00	0.003	O					0.01
157.500	0.00	0.00	0.004	O					0.01	162.583	0.00	0.00	0.003	O					0.01
157.583	0.00	0.00	0.004	O					0.01	162.667	0.00	0.00	0.003	O					0.01
157.667	0.00	0.00	0.004	O					0.01	162.750	0.00	0.00	0.003	O					0.01
157.750	0.00	0.00	0.004	O					0.01	162.833	0.00	0.00	0.003	O					0.01
157.833	0.00	0.00	0.004	O					0.01	162.917	0.00	0.00	0.003	O					0.01
157.917	0.00	0.00	0.004	O					0.01	163.000	0.00	0.00	0.003	O					0.01
158.000	0.00	0.00	0.004	O					0.01	163.083	0.00	0.00	0.002	O					0.01
158.083	0.00	0.00	0.004	O					0.01	163.167	0.00	0.00	0.002	O					0.01
158.167	0.00	0.00	0.004	O					0.01	163.250	0.00	0.00	0.002	O					0.01
158.250	0.00	0.00	0.004	O					0.01	163.333	0.00	0.00	0.002	O					0.01
158.333	0.00	0.00	0.004	O					0.01	163.417	0.00	0.00	0.002	O					0.01
158.417	0.00	0.00	0.004	O					0.01	163.500	0.00	0.00	0.002	O					0.01
158.500	0.00	0.00	0.004	O					0.01	163.583	0.00	0.00	0.002	O					0.01
158.583	0.00	0.00	0.004	O					0.01	163.667	0.00	0.00	0.002	O					0.00
158.667	0.00	0.00	0.004	O					0.01	163.750	0.00	0.00	0.002	O					0.00
158.750	0.00	0.00	0.004	O					0.01	163.833	0.00	0.00	0.002	O					0.00
158.833	0.00	0.00	0.004	O					0.01	163.917	0.00	0.00	0.002	O					0.00
158.917	0.00	0.00	0.004	O					0.01	164.000	0.00	0.00	0.002	O					0.00
159.000	0.00	0.00	0.004	O					0.01	164.083	0.00	0.00	0.002	O					0.00
159.083	0.00	0.00	0.004	O					0.01	164.167	0.00	0.00	0.002	O					0.00
159.167	0.00	0.00	0.004	O					0.01	164.250	0.00	0.00	0.002	O					0.00
159.250	0.00	0.00	0.003	O					0.01	164.333	0.00	0.00	0.002	O					0.00
159.333	0.00	0.00	0.003	O					0.01	164.417	0.00	0.00	0.002	O					0.00
159.417	0.00	0.00	0.003	O					0.01	164.500	0.00	0.00	0.002	O					0.00
159.500	0.00	0.00	0.003	O					0.01	164.583	0.00	0.00	0.002	O					0.00
159.583	0.00	0.00	0.003	O					0.01	164.667	0.00	0.00	0.002	O					0.00
159.667	0.00	0.00	0.003	O					0.01	164.750	0.00	0.00	0.002	O					0.00
159.750	0.00	0.00	0.003	O					0.01	164.833	0.00	0.00	0.002	O					0.00
159.833	0.00	0.00	0.003	O					0.01	164.917	0.00	0.00	0.002	O					0.00
159.917	0.00	0.00	0.003	O					0.01	165.000	0.00	0.00	0.002	O					0.00
160.000	0.00	0.00	0.003	O					0.01	165.083	0.00	0.00	0.002	O					0.00
160.083	0.00	0.00	0.003	O					0.01	165.167	0.00	0.00	0.002	O					0.00
160.167	0.00	0.00	0.003	O					0.01	165.250	0.00	0.00	0.002	O					0.00
160.250	0.00	0.00	0.003	O					0.01	165.333	0.00	0.00	0.002	O					0.00
160.333	0.00	0.00	0.003	O					0.01	165.417	0.00	0.00	0.002	O					0.00
160.417	0.00	0.00	0.003	O					0.01	165.500	0.00	0.00	0.002	O					0.00
160.500	0.00	0.00	0.003	O					0.01	165.583	0.00	0.00	0.002	O					0.00
160.583	0.00	0.00	0.003	O					0.01	165.667	0.00	0.00	0.002	O					0.00
160.667	0.00	0.00	0.003	O					0.01	165.750	0.00	0.00	0.002	O					0.00
160.750	0.00	0.00	0.003	O					0.01	165.833	0.00	0.00	0.002	O					0.00

165.917	0.00	0.00	0.002	O	|	|	|	|	0.00
166.000	0.00	0.00	0.002	O	|	|	|	|	0.00
166.083	0.00	0.00	0.002	O	|	|	|	|	0.00
166.167	0.00	0.00	0.002	O	|	|	|	|	0.00
166.250	0.00	0.00	0.002	O	|	|	|	|	0.00
166.333	0.00	0.00	0.002	O	|	|	|	|	0.00
166.417	0.00	0.00	0.002	O	|	|	|	|	0.00
166.500	0.00	0.00	0.002	O	|	|	|	|	0.00
166.583	0.00	0.00	0.002	O	|	|	|	|	0.00
166.667	0.00	0.00	0.002	O	|	|	|	|	0.00
166.750	0.00	0.00	0.002	O	|	|	|	|	0.00
166.833	0.00	0.00	0.002	O	|	|	|	|	0.00
166.917	0.00	0.00	0.002	O	|	|	|	|	0.00
167.000	0.00	0.00	0.002	O	|	|	|	|	0.00
167.083	0.00	0.00	0.002	O	|	|	|	|	0.00
167.167	0.00	0.00	0.002	O	|	|	|	|	0.00
167.250	0.00	0.00	0.002	O	|	|	|	|	0.00
167.333	0.00	0.00	0.002	O	|	|	|	|	0.00
167.417	0.00	0.00	0.002	O	|	|	|	|	0.00
167.500	0.00	0.00	0.002	O	|	|	|	|	0.00
167.583	0.00	0.00	0.002	O	|	|	|	|	0.00
167.667	0.00	0.00	0.002	O	|	|	|	|	0.00
167.750	0.00	0.00	0.002	O	|	|	|	|	0.00
167.833	0.00	0.00	0.002	O	|	|	|	|	0.00
167.917	0.00	0.00	0.002	O	|	|	|	|	0.00
168.000	0.00	0.00	0.002	O	|	|	|	|	0.00
168.083	0.00	0.00	0.002	O	|	|	|	|	0.00
168.167	0.00	0.00	0.002	O	|	|	|	|	0.00
168.250	0.00	0.00	0.002	O	|	|	|	|	0.00
168.333	0.00	0.00	0.002	O	|	|	|	|	0.00
168.417	0.00	0.00	0.002	O	|	|	|	|	0.00
168.500	0.00	0.00	0.002	O	|	|	|	|	0.00
168.583	0.00	0.00	0.002	O	|	|	|	|	0.00
168.667	0.00	0.00	0.002	O	|	|	|	|	0.00
168.750	0.00	0.00	0.002	O	|	|	|	|	0.00
168.833	0.00	0.00	0.002	O	|	|	|	|	0.00
168.917	0.00	0.00	0.002	O	|	|	|	|	0.00
169.000	0.00	0.00	0.001	O	|	|	|	|	0.00
169.083	0.00	0.00	0.001	O	|	|	|	|	0.00
169.167	0.00	0.00	0.001	O	|	|	|	|	0.00
169.250	0.00	0.00	0.001	O	|	|	|	|	0.00
169.333	0.00	0.00	0.001	O	|	|	|	|	0.00
169.417	0.00	0.00	0.001	O	|	|	|	|	0.00
169.500	0.00	0.00	0.001	O	|	|	|	|	0.00
169.583	0.00	0.00	0.001	O	|	|	|	|	0.00
169.667	0.00	0.00	0.001	O	|	|	|	|	0.00
169.750	0.00	0.00	0.001	O	|	|	|	|	0.00
169.833	0.00	0.00	0.001	O	|	|	|	|	0.00
169.917	0.00	0.00	0.001	O	|	|	|	|	0.00
170.000	0.00	0.00	0.001	O	|	|	|	|	0.00
170.083	0.00	0.00	0.001	O	|	|	|	|	0.00
170.167	0.00	0.00	0.001	O	|	|	|	|	0.00
170.250	0.00	0.00	0.001	O	|	|	|	|	0.00
170.333	0.00	0.00	0.001	O	|	|	|	|	0.00
170.417	0.00	0.00	0.001	O	|	|	|	|	0.00
170.500	0.00	0.00	0.001	O	|	|	|	|	0.00
170.583	0.00	0.00	0.001	O	|	|	|	|	0.00
170.667	0.00	0.00	0.001	O	|	|	|	|	0.00
170.750	0.00	0.00	0.001	O	|	|	|	|	0.00
170.833	0.00	0.00	0.001	O	|	|	|	|	0.00
170.917	0.00	0.00	0.001	O	|	|	|	|	0.00
171.000	0.00	0.00	0.001	O	|	|	|	|	0.00
171.083	0.00	0.00	0.001	O	|	|	|	|	0.00
171.167	0.00	0.00	0.001	O	|	|	|	|	0.00
171.250	0.00	0.00	0.001	O	|	|	|	|	0.00
171.333	0.00	0.00	0.001	O	|	|	|	|	0.00
171.417	0.00	0.00	0.001	O	|	|	|	|	0.00
171.500	0.00	0.00	0.001	O	|	|	|	|	0.00
171.583	0.00	0.00	0.001	O	|	|	|	|	0.00
171.667	0.00	0.00	0.001	O	|	|	|	|	0.00
171.750	0.00	0.00	0.001	O	|	|	|	|	0.00
171.833	0.00	0.00	0.001	O	|	|	|	|	0.00
171.917	0.00	0.00	0.001	O	|	|	|	|	0.00
172.000	0.00	0.00	0.001	O	|	|	|	|	0.00
172.083	0.00	0.00	0.001	O	|	|	|	|	0.00
172.167	0.00	0.00	0.001	O	|	|	|	|	0.00
172.250	0.00	0.00	0.001	O	|	|	|	|	0.00
172.333	0.00	0.00	0.001	O	|	|	|	|	0.00
172.417	0.00	0.00	0.001	O	|	|	|	|	0.00
172.500	0.00	0.00	0.001	O	|	|	|	|	0.00
172.583	0.00	0.00	0.001	O	|	|	|	|	0.00
172.667	0.00	0.00	0.001	O	|	|	|	|	0.00
172.750	0.00	0.00	0.001	O	|	|	|	|	0.00
172.833	0.00	0.00	0.001	O	|	|	|	|	0.00
172.917	0.00	0.00	0.001	O	|	|	|	|	0.00
173.000	0.00	0.00	0.001	O	|	|	|	|	0.00
173.083	0.00	0.00	0.001	O	|	|	|	|	0.00
173.167	0.00	0.00	0.001	O	|	|	|	|	0.00
173.250	0.00	0.00	0.001	O	|	|	|	|	0.00
173.333	0.00	0.00	0.001	O	|	|	|	|	0.00
173.417	0.00	0.00	0.001	O	|	|	|	|	0.00
173.500	0.00	0.00	0.001	O	|	|	|	|	0.00
173.583	0.00	0.00	0.001	O	|	|	|	|	0.00
173.667	0.00	0.00	0.001	O	|	|	|	|	0.00
173.750	0.00	0.00	0.001	O	|	|	|	|	0.00
173.833	0.00	0.00	0.001	O	|	|	|	|	0.00
173.917	0.00	0.00	0.001	O	|	|	|	|	0.00
174.000	0.00	0.00	0.001	O	|	|	|	|	0.00
174.083	0.00	0.00	0.001	O	|	|	|	|	0.00
174.167	0.00	0.00	0.001	O	|	|	|	|	0.00
174.250	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 2091
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 40.001 (CFS)
Total volume = 30.858 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 3.200 to Point/Station 3.300

**** STREAM ROUTING SCS CONVEX METHOD ****

HYDROGRAPH STREAM ROUTING DATA:

Length of stream = 1749.00 (Ft.)

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Elevation difference =   79.00 (Ft.)
Slope of channel =  0.045169 (Vert/Horiz)
Channel type - Improved Channel


Channel length =  1749.00(Ft.)     Elevation difference =  79.00(Ft.)
Channel evaluation using mean flow rate of hydrograph
Channel base width  =  125.000(Ft.)
Slope or 'Z' of left channel bank =   2.000
Slope or 'Z' of right channel bank =   2.000
Manning's 'N'    = 0.030
Maximum depth of channel  =   15.000(Ft.)
Flow(q) thru subarea =     12.727(CFS)
Depth of flow =     0.062(Ft.)
Average velocity =     1.645(Ft/s)
Total flow rate =    12.727(CFS)
Channel flow top width =  125.247(Ft.)
Depth of flow in channel =   0.06(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity =    1.64(Ft/s)
Travel time  =    0.00 min.
Individual channel flow =   12.727(CFS)
Total capacity of improved channels =     12.727(CFS)
Critical Depth in Channel =    0.07(Ft.)


Channel evaluation using maximum flow rate of hydrograph
Flow(q) thru subarea =     40.001(CFS)
Depth of flow =     0.123(Ft.)
Average velocity =     2.598(Ft/s)
Total flow rate =    40.001(CFS)
Channel flow top width =  125.492(Ft.)
Depth of flow in channel =   0.12(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity =    2.60(Ft/s)
Travel time  =    0.00 min.
Individual channel flow =   40.001(CFS)
Total capacity of improved channels =     40.001(CFS)
Critical Depth in Channel =    0.15(Ft.)


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.6045   Travel time =  11.22 (min.)
         dt*(unit time interval) =   5.00(min.),  e=   0.8248
         dt(routing time-step) =   6.78 (min.),   c* =   0.5347

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
             R u n o f f     H y d r o g r a p h
----------------------------------------------------------------------
           Hydrograph in   5   Minute intervals (CFS)

----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       10.0      20.0      30.0      40.0
----------------------------------------------------------------------
  0+ 5       0.0003      0.00  O        |         |         |         |
  0+10       0.0025      0.01  O        |         |         |         |
  0+15       0.0092      0.03  O        |         |         |         |
  0+20       0.0207      0.04  O        |         |         |         |
  0+25       0.0359      0.06  O        |         |         |         |
  0+30       0.0548      0.09  O        |         |         |         |
  0+35       0.0768      0.11  O        |         |         |         |
  0+40       0.1004      0.14  O        |         |         |         |
  0+45       0.1248      0.16  O        |         |         |         |
  0+50       0.1496      0.19  O        |         |         |         |
  0+55       0.1755      0.22  O        |         |         |         |
  1+ 0       0.2035      0.25  O        |         |         |         |
  1+ 5       0.2335      0.28  O        |         |         |         |
  1+10       0.2639      0.31  O        |         |         |         |
  1+15       0.2926      0.34  O        |         |         |         |
  1+20       0.3191      0.36  O        |         |         |         |
  1+25       0.3441      0.38  O        |         |         |         |
  1+30       0.3683      0.41  O        |         |         |         |
  1+35       0.3920      0.43  O        |         |         |         |
  1+40       0.4153      0.45  O        |         |         |         |
  1+45       0.4384      0.48  O        |         |         |         |
  1+50       0.4614      0.50  O        |         |         |         |
  1+55       0.4829      0.51  O        |         |         |         |
  2+ 0       0.4984      0.52  O        |         |         |         |
  2+ 5       0.5113      0.53  O        |         |         |         |
  2+10       0.5231      0.54  O        |         |         |         |
  2+15       0.5344      0.55  O        |         |         |         |
  2+20       0.5455      0.56  O        |         |         |         |
  2+25       0.5565      0.57  O        |         |         |         |
  2+30       0.5674      0.58  O        |         |         |         |
  2+35       0.5783      0.60  O        |         |         |         |
  2+40       0.5895      0.61  O        |         |         |         |
  2+45       0.6014      0.62  O        |         |         |         |
  2+50       0.6142      0.64  O        |         |         |         |
  2+55       0.6274      0.65  O        |         |         |         |
  3+ 0       0.6409      0.66  O        |         |         |         |
  3+ 5       0.6545      0.68  O        |         |         |         |
  3+10       0.6681      0.69  O        |         |         |         |
  3+15       0.6817      0.70  O        |         |         |         |
  3+20       0.6953      0.72  O        |         |         |         |
  3+25       0.7089      0.73  O        |         |         |         |
  3+30       0.7224      0.74  O        |         |         |         |
  3+35       0.7359      0.76  O        |         |         |         |
  3+40       0.7494      0.77  O        |         |         |         |
  3+45       0.7628      0.78  O        |         |         |         |
  3+50       0.7763      0.80  O        |         |         |         |
  3+55       0.7900      0.81  O        |         |         |         |
  4+ 0       0.8045      0.83  O        |         |         |         |
  4+ 5       0.8198      0.85  O        |         |         |         |
  4+10       0.8356      0.86  O        |         |         |         |
  4+15       0.8516      0.88  O        |         |         |         |
  4+20       0.8678      0.89  O        |         |         |         |
  4+25       0.8842      0.91  O        |         |         |         |
  4+30       0.9001      0.92  O        |         |         |         |
  4+35       0.9132      0.93  O        |         |         |         |
  4+40       0.9251      0.94  O        |         |         |         |
  4+45       0.9365      0.95  O        |         |         |         |
  4+50       0.9477      0.97  O        |         |         |         |
  4+55       0.9589      0.98  O        |         |         |         |
  5+ 0       0.9706      0.99  O        |         |         |         |
```

5+ 5	0.9826	1.00	OI	|	|	|	|	10+10	3.0835	4.79	| OI	|	|	|	|
5+10	0.9944	1.01	OI	|	|	|	|	10+15	4.1230	5.68	| OI	|	|	|	|
5+15	1.0055	1.02	|O	|	|	|	|	10+20	5.0663	6.46	| OI	|	|	|	|
5+20	1.0158	1.03	|O	|	|	|	|	10+25	5.9134	7.18	| O I	|	|	|	|
5+25	1.0256	1.04	|O	|	|	|	|	10+30	6.6882	7.87	| OI	|	|	|	|
5+30	1.0357	1.05	|O	|	|	|	|	10+35	7.4173	8.58	| OI	|	|	|	|
5+35	1.0460	1.06	|O	|	|	|	|	10+40	8.1604	9.46	| OI|	|	|	|	|
5+40	1.0568	1.07	|O	|	|	|	|	10+45	8.9984	10.49	| O I	|	|	|	|
5+45	1.0681	1.09	|O	|	|	|	|	10+50	9.9400	11.53	| O|I	|	|	|	|
5+50	1.0799	1.10	|O	|	|	|	|	10+55	10.9288	12.53	| O I	|	|	|	|
5+55	1.0921	1.11	|O	|	|	|	|	11+ 0	11.9185	13.49	| |O I	|	|	|	|
6+ 0	1.1044	1.12	|O	|	|	|	|	11+ 5	12.8826	14.38	| | O I	|	|	|	|
6+ 5	1.1168	1.14	|O	|	|	|	|	11+10	13.7997	15.20	| | O I	|	|	|	|
6+10	1.1294	1.15	|O	|	|	|	|	11+15	14.6502	15.93	| | OI	|	|	|	|
6+15	1.1424	1.16	|O	|	|	|	|	11+20	15.4331	16.62	| | OI	|	|	|	|
6+20	1.1560	1.18	|O	|	|	|	|	11+25	16.1616	17.28	| | OI	|	|	|	|
6+25	1.1697	1.19	|O	|	|	|	|	11+30	16.8460	17.90	| | OI	|	|	|	|
6+30	1.1828	1.20	|O	|	|	|	|	11+35	17.4893	18.47	| | OI	|	|	|	|
6+35	1.1941	1.21	|O	|	|	|	|	11+40	18.0762	18.92	| | O	|	|	|	|
6+40	1.2048	1.22	|O	|	|	|	|	11+45	18.5823	19.30	| | OI|	|	|	|	|
6+45	1.2154	1.23	|O	|	|	|	|	11+50	19.0182	19.67	| | O|	|	|	|	|
6+50	1.2261	1.24	|O	|	|	|	|	11+55	19.4188	20.05	| | OI	|	|	|	|
6+55	1.2370	1.25	|O	|	|	|	|	12+ 0	19.8142	20.46	| | OI	|	|	|	|
7+ 0	1.2479	1.27	|O	|	|	|	|	12+ 5	20.2268	20.95	| | O	|	|	|	|
7+ 5	1.2589	1.28	|O	|	|	|	|	12+10	20.7226	21.73	| | OI	|	|	|	|
7+10	1.2699	1.29	|O	|	|	|	|	12+15	21.4074	22.76	| | |OI	|	|	|	|
7+15	1.2808	1.30	|O	|	|	|	|	12+20	22.2797	23.82	| | | OI	|	|	|	|
7+20	1.2917	1.31	|O	|	|	|	|	12+25	23.2538	24.89	| | | OI	|	|	|	|
7+25	1.3024	1.32	|O	|	|	|	|	12+30	24.2775	25.95	| | | OI	|	|	|	|
7+30	1.3131	1.33	|O	|	|	|	|	12+35	25.3176	26.99	| | | OI	|	|	|	|
7+35	1.3241	1.34	|O	|	|	|	|	12+40	26.3639	28.07	| | | O I	|	|	|	|
7+40	1.3354	1.35	|O	|	|	|	|	12+45	27.4314	29.17	| | | O I|	|	|	|	|
7+45	1.3470	1.37	|O	|	|	|	|	12+50	28.4693	29.93	| | | OI|	|	|	|	|
7+50	1.3590	1.38	|O	|	|	|	|	12+55	29.3491	30.63	| | | OI	|	|	|	|
7+55	1.3713	1.39	|O	|	|	|	|	13+ 0	30.1321	31.33	| | | OI	|	|	|	|
8+ 0	1.3840	1.40	|O	|	|	|	|	13+ 5	30.8752	32.06	| | | O I	|	|	|	|
8+ 5	1.3968	1.42	|O	|	|	|	|	13+10	31.6277	32.91	| | | |OI	|	|	|	|
8+10	1.4092	1.43	|O	|	|	|	|	13+15	32.4471	33.86	| | | | OI	|	|	|	|
8+15	1.4214	1.44	|O	|	|	|	|	13+20	33.3372	34.81	| | | | OI	|	|	|	|
8+20	1.4339	1.45	|O	|	|	|	|	13+25	34.2577	35.74	| | | | OI	|	|	|	|
8+25	1.4468	1.47	|O	|	|	|	|	13+30	35.1665	36.56	| | | | OI	|	|	|	|
8+30	1.4598	1.48	|O	|	|	|	|	13+35	35.9949	37.17	| | | | O I	|	|	|	|
8+35	1.4729	1.49	|O	|	|	|	|	13+40	36.6690	37.51	| | | | OI	|	|	|	|
8+40	1.4863	1.51	|O	|	|	|	|	13+45	37.1340	37.62	| | | | O	|	|	|	|
8+45	1.5002	1.52	|O	|	|	|	|	13+50	37.4026	37.67	| | | | O	|	|	|	|
8+50	1.5144	1.54	|O	|	|	|	|	13+55	37.5532	37.71	| | | | O	|	|	|	|
8+55	1.5292	1.55	|O	|	|	|	|	14+ 0	37.6417	37.74	| | | | O	|	|	|	|
9+ 0	1.5445	1.57	|O	|	|	|	|	14+ 5	37.7030	37.80	| | | | O	|	|	|	|
9+ 5	1.5603	1.59	|O	|	|	|	|	14+10	37.7747	37.95	| | | | O	|	|	|	|
9+10	1.5767	1.60	|O	|	|	|	|	14+15	37.8978	38.17	| | | | OI	|	|	|	|
9+15	1.5935	1.62	|O	|	|	|	|	14+20	38.0767	38.41	| | | | O	|	|	|	|
9+20	1.6101	1.64	|O	|	|	|	|	14+25	38.2822	38.62	| | | | O	|	|	|	|
9+25	1.6269	1.65	|O	|	|	|	|	14+30	38.4880	38.81	| | | | O	|	|	|	|
9+30	1.6441	1.67	|O	|	|	|	|	14+35	38.6837	38.99	| | | | O	|	|	|	|
9+35	1.6618	1.69	|O	|	|	|	|	14+40	38.8702	39.16	| | | | OI|	|	|	|	|
9+40	1.6793	1.71	|O	|	|	|	|	14+45	39.0498	39.33	| | | | O|	|	|	|	|
9+45	1.6959	1.72	|O	|	|	|	|	14+50	39.2230	39.49	| | | | O|	|	|	|	|
9+50	1.7123	1.74	|O	|	|	|	|	14+55	39.3853	39.63	| | | | O|	|	|	|	|
9+55	1.7288	1.76	|O	|	|	|	|	15+ 0	39.5291	39.74	| | | | O|	|	|	|	|
10+ 0	1.7818	2.03	|OI	|	|	|	|	15+ 5	39.6532	39.83	| | | | O|	|	|	|	|
10+ 5	2.1347	3.59	| OI	|	|	|	|	15+10	39.7590	39.90	| | | | O|	|	|	|	|

15+15	39.8429	39.95				O	
15+20	39.9065	39.99				O	
15+25	39.9522	40.00				OI
15+30	39.9772	39.99				O	
15+35	39.9804	39.95				O	
15+40	39.9482	39.82				O	
15+45	39.8531	39.62				O	
15+50	39.6967	39.40				O	
15+55	39.5061	39.18				O	
16+ 0	39.3008	38.96				IO	
16+ 5	39.0791	38.67				IO	
16+10	38.7758	38.08				O	
16+15	38.2848	37.24				IO	
16+20	37.6021	36.36				IO	
16+25	36.7830	35.27				IO	
16+30	35.8201	34.18				IO	
16+35	34.7933	33.12				IO	
16+40	33.7521	32.08				IO	
16+45	32.7155	31.06				IO	
16+50	31.6944	30.08				IO	
16+55	30.6800	29.00				IO	
17+ 0	29.5829	27.58				I O	
17+ 5	28.3247	26.25				I O	
17+10	27.0473	25.05				I O	
17+15	25.8275	23.97				I O	
17+20	24.6900	22.95				I O	
17+25	23.6282	22.00				IO	
17+30	22.6330	21.11				IO	
17+35	21.6974	20.26				IO	
17+40	20.8161	19.46				IO	
17+45	19.9890	18.73				IO|	
17+50	19.2242	18.07				IO|	
17+55	18.5134	17.41				IO		
18+ 0	17.8333	16.77				IO		
18+ 5	17.1761	16.15				IO		
18+10	16.5447	15.56				IO		
18+15	15.9414	15.01				O		
18+20	15.3670	14.48				IO		
18+25	14.8212	13.98				IO		
18+30	14.3031	13.50				IO		
18+35	13.8106	13.04				O		
18+40	13.3365	12.59				IO		
18+45	12.8709	12.13				O		
18+50	12.4114	11.68				IO		
18+55	11.9584	11.23				O		
19+ 0	11.5073	10.78				IO		
19+ 5	11.0608	10.36				IO		
19+10	10.6329	9.98				IO		
19+15	10.2386	9.65				IO		
19+20	9.8819	9.35				O|	
19+25	9.5602	9.09				O|	
19+30	9.2760	8.86				IO|	
19+35	9.0244	8.65				IO|	
19+40	8.7905	8.42				O		
19+45	8.5587	8.18				O		
19+50	8.3241	7.94				IO		
19+55	8.0860	7.69				IO		
20+ 0	7.8395	7.43				O		
20+ 5	7.5875	7.19				O		
20+10	7.3437	6.98				IO		
20+15	7.1220	6.80				IO		

20+20	6.9251	6.63				O	
20+25	6.7470	6.48				O	
20+30	6.5826	6.33				O	
20+35	6.4290	6.19				O	
20+40	6.2845	6.06				O	
20+45	6.1478	5.94				IO	
20+50	6.0173	5.81				IO	
20+55	5.8867	5.67				O	
21+ 0	5.7472	5.51				O	
21+ 5	5.5992	5.36				O	
21+10	5.4553	5.24				O	
21+15	5.3290	5.15				O	
21+20	5.2219	5.06				O	
21+25	5.1223	4.96				IO	
21+30	5.0169	4.84				IO	
21+35	4.9037	4.72				O	
21+40	4.7941	4.64				O	
21+45	4.7009	4.58				O	
21+50	4.6254	4.52				O	
21+55	4.5561	4.44				O	
22+ 0	4.4793	4.34				O	
22+ 5	4.3934	4.25				O	
22+10	4.3097	4.19				O	
22+15	4.2411	4.15				O	
22+20	4.1890	4.12				O	
22+25	4.1417	4.06				O	
22+30	4.0861	3.98				IO	
22+35	4.0191	3.90				IO	
22+40	3.9466	3.83				O	
22+45	3.8729	3.76				O	
22+50	3.8005	3.69				O	
22+55	3.7305	3.62				O	
23+ 0	3.6635	3.56				O	
23+ 5	3.5996	3.50				O	
23+10	3.5389	3.44				O	
23+15	3.4811	3.39				O	
23+20	3.4263	3.34				O	
23+25	3.3743	3.29				O	
23+30	3.3249	3.25				O	
23+35	3.2780	3.21				O	
23+40	3.2335	3.16				O	
23+45	3.1912	3.13				O	
23+50	3.1511	3.09				O	
23+55	3.1130	3.05				O	
24+ 0	3.0769	3.02				O	
24+ 5	3.0405	2.97				IO	
24+10	2.9925	2.88				O	
24+15	2.9155	2.75				O	
24+20	2.8092	2.62				O	
24+25	2.6880	2.49				O	
24+30	2.5620	2.36				O	
24+35	2.4369	2.24				O	
24+40	2.3155	2.13				O	
24+45	2.1991	2.02				O	
24+50	2.0879	1.92				IO	
24+55	1.9822	1.82				O	
25+ 0	1.8877	1.77				O	
25+ 5	1.8244	1.77				O	
25+10	1.7944	1.77				O	
25+15	1.7800	1.77				O	
25+20	1.7728	1.77				O	

25+25	1.7689	1.76	|O	|	|	|	|	30+30	1.7101	1.71	|O	|	|	|	|
25+30	1.7666	1.76	|O	|	|	|	|	30+35	1.7092	1.71	|O	|	|	|	|
25+35	1.7650	1.76	|O	|	|	|	|	30+40	1.7083	1.71	|O	|	|	|	|
25+40	1.7638	1.76	|O	|	|	|	|	30+45	1.7074	1.71	|O	|	|	|	|
25+45	1.7627	1.76	|O	|	|	|	|	30+50	1.7065	1.70	|O	|	|	|	|
25+50	1.7617	1.76	|O	|	|	|	|	30+55	1.7055	1.70	|O	|	|	|	|
25+55	1.7608	1.76	|O	|	|	|	|	31+ 0	1.7046	1.70	|O	|	|	|	|
26+ 0	1.7598	1.76	|O	|	|	|	|	31+ 5	1.7037	1.70	|O	|	|	|	|
26+ 5	1.7589	1.76	|O	|	|	|	|	31+10	1.7028	1.70	|O	|	|	|	|
26+10	1.7579	1.76	|O	|	|	|	|	31+15	1.7019	1.70	|O	|	|	|	|
26+15	1.7570	1.76	|O	|	|	|	|	31+20	1.7010	1.70	|O	|	|	|	|
26+20	1.7561	1.75	|O	|	|	|	|	31+25	1.7001	1.70	|O	|	|	|	|
26+25	1.7551	1.75	|O	|	|	|	|	31+30	1.6992	1.70	|O	|	|	|	|
26+30	1.7542	1.75	|O	|	|	|	|	31+35	1.6983	1.70	|O	|	|	|	|
26+35	1.7533	1.75	|O	|	|	|	|	31+40	1.6974	1.70	|O	|	|	|	|
26+40	1.7524	1.75	|O	|	|	|	|	31+45	1.6965	1.70	|O	|	|	|	|
26+45	1.7514	1.75	|O	|	|	|	|	31+50	1.6956	1.69	|O	|	|	|	|
26+50	1.7505	1.75	|O	|	|	|	|	31+55	1.6947	1.69	|O	|	|	|	|
26+55	1.7496	1.75	|O	|	|	|	|	32+ 0	1.6938	1.69	|O	|	|	|	|
27+ 0	1.7486	1.75	|O	|	|	|	|	32+ 5	1.6929	1.69	|O	|	|	|	|
27+ 5	1.7477	1.75	|O	|	|	|	|	32+10	1.6920	1.69	|O	|	|	|	|
27+10	1.7468	1.75	|O	|	|	|	|	32+15	1.6911	1.69	|O	|	|	|	|
27+15	1.7459	1.74	|O	|	|	|	|	32+20	1.6902	1.69	|O	|	|	|	|
27+20	1.7449	1.74	|O	|	|	|	|	32+25	1.6892	1.69	|O	|	|	|	|
27+25	1.7440	1.74	|O	|	|	|	|	32+30	1.6881	1.69	|O	|	|	|	|
27+30	1.7431	1.74	|O	|	|	|	|	32+35	1.6870	1.69	|O	|	|	|	|
27+35	1.7421	1.74	|O	|	|	|	|	32+40	1.6860	1.68	|O	|	|	|	|
27+40	1.7412	1.74	|O	|	|	|	|	32+45	1.6849	1.68	|O	|	|	|	|
27+45	1.7403	1.74	|O	|	|	|	|	32+50	1.6839	1.68	|O	|	|	|	|
27+50	1.7394	1.74	|O	|	|	|	|	32+55	1.6828	1.68	|O	|	|	|	|
27+55	1.7385	1.74	|O	|	|	|	|	33+ 0	1.6817	1.68	|O	|	|	|	|
28+ 0	1.7375	1.74	|O	|	|	|	|	33+ 5	1.6806	1.68	|O	|	|	|	|
28+ 5	1.7366	1.74	|O	|	|	|	|	33+10	1.6796	1.68	|O	|	|	|	|
28+10	1.7357	1.73	|O	|	|	|	|	33+15	1.6785	1.68	|O	|	|	|	|
28+15	1.7348	1.73	|O	|	|	|	|	33+20	1.6775	1.68	|O	|	|	|	|
28+20	1.7338	1.73	|O	|	|	|	|	33+25	1.6764	1.67	|O	|	|	|	|
28+25	1.7329	1.73	|O	|	|	|	|	33+30	1.6753	1.67	|O	|	|	|	|
28+30	1.7320	1.73	|O	|	|	|	|	33+35	1.6743	1.67	|O	|	|	|	|
28+35	1.7311	1.73	|O	|	|	|	|	33+40	1.6732	1.67	|O	|	|	|	|
28+40	1.7302	1.73	|O	|	|	|	|	33+45	1.6721	1.67	|O	|	|	|	|
28+45	1.7293	1.73	|O	|	|	|	|	33+50	1.6711	1.67	|O	|	|	|	|
28+50	1.7283	1.73	|O	|	|	|	|	33+55	1.6700	1.67	|O	|	|	|	|
28+55	1.7274	1.73	|O	|	|	|	|	34+ 0	1.6690	1.67	|O	|	|	|	|
29+ 0	1.7265	1.73	|O	|	|	|	|	34+ 5	1.6679	1.67	|O	|	|	|	|
29+ 5	1.7256	1.72	|O	|	|	|	|	34+10	1.6668	1.67	|O	|	|	|	|
29+10	1.7247	1.72	|O	|	|	|	|	34+15	1.6658	1.66	|O	|	|	|	|
29+15	1.7238	1.72	|O	|	|	|	|	34+20	1.6647	1.66	|O	|	|	|	|
29+20	1.7228	1.72	|O	|	|	|	|	34+25	1.6637	1.66	|O	|	|	|	|
29+25	1.7219	1.72	|O	|	|	|	|	34+30	1.6626	1.66	|O	|	|	|	|
29+30	1.7210	1.72	|O	|	|	|	|	34+35	1.6616	1.66	|O	|	|	|	|
29+35	1.7201	1.72	|O	|	|	|	|	34+40	1.6605	1.66	|O	|	|	|	|
29+40	1.7192	1.72	|O	|	|	|	|	34+45	1.6595	1.66	|O	|	|	|	|
29+45	1.7183	1.72	|O	|	|	|	|	34+50	1.6584	1.66	|O	|	|	|	|
29+50	1.7174	1.72	|O	|	|	|	|	34+55	1.6574	1.66	|O	|	|	|	|
29+55	1.7164	1.71	|O	|	|	|	|	35+ 0	1.6563	1.65	|O	|	|	|	|
30+ 0	1.7155	1.71	|O	|	|	|	|	35+ 5	1.6553	1.65	|O	|	|	|	|
30+ 5	1.7146	1.71	|O	|	|	|	|	35+10	1.6542	1.65	|O	|	|	|	|
30+10	1.7137	1.71	|O	|	|	|	|	35+15	1.6532	1.65	|O	|	|	|	|
30+15	1.7128	1.71	|O	|	|	|	|	35+20	1.6521	1.65	|O	|	|	|	|
30+20	1.7119	1.71	|O	|	|	|	|	35+25	1.6511	1.65	|O	|	|	|	|
30+25	1.7110	1.71	|O	|	|	|	|	35+30	1.6500	1.65	|O	|	|	|	|

35+35	1.6490	1.65	O					40+40	1.5841	1.58	O				
35+40	1.6479	1.65	O					40+45	1.5830	1.58	O				
35+45	1.6469	1.65	O					40+50	1.5818	1.58	O				
35+50	1.6458	1.64	O					40+55	1.5806	1.58	O				
35+55	1.6448	1.64	O					41+ 0	1.5795	1.58	O				
36+ 0	1.6437	1.64	O					41+ 5	1.5783	1.58	O				
36+ 5	1.6427	1.64	O					41+10	1.5771	1.58	O				
36+10	1.6417	1.64	O					41+15	1.5760	1.57	O				
36+15	1.6406	1.64	O					41+20	1.5748	1.57	O				
36+20	1.6396	1.64	O					41+25	1.5737	1.57	O				
36+25	1.6385	1.64	O					41+30	1.5725	1.57	O				
36+30	1.6375	1.64	O					41+35	1.5713	1.57	O				
36+35	1.6365	1.63	O					41+40	1.5702	1.57	O				
36+40	1.6354	1.63	O					41+45	1.5690	1.57	O				
36+45	1.6344	1.63	O					41+50	1.5679	1.57	O				
36+50	1.6333	1.63	O					41+55	1.5667	1.56	O				
36+55	1.6323	1.63	O					42+ 0	1.5655	1.56	O				
37+ 0	1.6313	1.63	O					42+ 5	1.5644	1.56	O				
37+ 5	1.6302	1.63	O					42+10	1.5632	1.56	O				
37+10	1.6292	1.63	O					42+15	1.5621	1.56	O				
37+15	1.6282	1.63	O					42+20	1.5609	1.56	O				
37+20	1.6271	1.63	O					42+25	1.5598	1.56	O				
37+25	1.6261	1.62	O					42+30	1.5586	1.56	O				
37+30	1.6251	1.62	O					42+35	1.5575	1.56	O				
37+35	1.6240	1.62	O					42+40	1.5563	1.55	O				
37+40	1.6230	1.62	O					42+45	1.5552	1.55	O				
37+45	1.6220	1.62	O					42+50	1.5540	1.55	O				
37+50	1.6210	1.62	O					42+55	1.5529	1.55	O				
37+55	1.6199	1.62	O					43+ 0	1.5517	1.55	O				
38+ 0	1.6189	1.62	O					43+ 5	1.5506	1.55	O				
38+ 5	1.6179	1.62	O					43+10	1.5494	1.55	O				
38+10	1.6169	1.62	O					43+15	1.5483	1.55	O				
38+15	1.6158	1.61	O					43+20	1.5471	1.55	O				
38+20	1.6148	1.61	O					43+25	1.5460	1.54	O				
38+25	1.6138	1.61	O					43+30	1.5449	1.54	O				
38+30	1.6128	1.61	O					43+35	1.5437	1.54	O				
38+35	1.6117	1.61	O					43+40	1.5426	1.54	O				
38+40	1.6107	1.61	O					43+45	1.5414	1.54	O				
38+45	1.6097	1.61	O					43+50	1.5403	1.54	O				
38+50	1.6087	1.61	O					43+55	1.5392	1.54	O				
38+55	1.6076	1.61	O					44+ 0	1.5380	1.54	O				
39+ 0	1.6066	1.60	O					44+ 5	1.5369	1.54	O				
39+ 5	1.6056	1.60	O					44+10	1.5358	1.53	O				
39+10	1.6046	1.60	O					44+15	1.5346	1.53	O				
39+15	1.6036	1.60	O					44+20	1.5335	1.53	O				
39+20	1.6026	1.60	O					44+25	1.5324	1.53	O				
39+25	1.6015	1.60	O					44+30	1.5312	1.53	O				
39+30	1.6005	1.60	O					44+35	1.5301	1.53	O				
39+35	1.5994	1.60	O					44+40	1.5290	1.53	O				
39+40	1.5982	1.60	O					44+45	1.5278	1.53	O				
39+45	1.5971	1.60	O					44+50	1.5267	1.52	O				
39+50	1.5959	1.59	O					44+55	1.5256	1.52	O				
39+55	1.5947	1.59	O					45+ 0	1.5245	1.52	O				
40+ 0	1.5935	1.59	O					45+ 5	1.5233	1.52	O				
40+ 5	1.5924	1.59	O					45+10	1.5222	1.52	O				
40+10	1.5912	1.59	O					45+15	1.5211	1.52	O				
40+15	1.5900	1.59	O					45+20	1.5200	1.52	O				
40+20	1.5888	1.59	O					45+25	1.5188	1.52	O				
40+25	1.5877	1.59	O					45+30	1.5177	1.52	O				
40+30	1.5865	1.58	O					45+35	1.5166	1.51	O				
40+35	1.5853	1.58	O					45+40	1.5155	1.51	O				

45+45	1.5144	1.51	O				
45+50	1.5133	1.51	O				
45+55	1.5121	1.51	O				
46+ 0	1.5110	1.51	O				
46+ 5	1.5099	1.51	O				
46+10	1.5088	1.51	O				
46+15	1.5077	1.51	O				
46+20	1.5066	1.50	O				
46+25	1.5054	1.50	O				
46+30	1.5043	1.50	O				
46+35	1.5032	1.50	O				
46+40	1.5021	1.50	O				
46+45	1.5010	1.50	O				
46+50	1.4999	1.50	O				
46+55	1.4988	1.50	O				
47+ 0	1.4977	1.50	O				
47+ 5	1.4966	1.49	O				
47+10	1.4955	1.49	O				
47+15	1.4944	1.49	O				
47+20	1.4933	1.49	O				
47+25	1.4922	1.49	O				
47+30	1.4911	1.49	O				
47+35	1.4900	1.49	O				
47+40	1.4889	1.49	O				
47+45	1.4878	1.49	O				
47+50	1.4867	1.48	O				
47+55	1.4856	1.48	O				
48+ 0	1.4845	1.48	O				
48+ 5	1.4834	1.48	O				
48+10	1.4823	1.48	O				
48+15	1.4812	1.48	O				
48+20	1.4801	1.48	O				
48+25	1.4790	1.48	O				
48+30	1.4779	1.48	O				
48+35	1.4768	1.48	O				
48+40	1.4757	1.47	O				
48+45	1.4746	1.47	O				
48+50	1.4736	1.47	O				
48+55	1.4725	1.47	O				
49+ 0	1.4714	1.47	O				
49+ 5	1.4703	1.47	O				
49+10	1.4692	1.47	O				
49+15	1.4681	1.47	O				
49+20	1.4670	1.47	O				
49+25	1.4660	1.46	O				
49+30	1.4649	1.46	O				
49+35	1.4638	1.46	O				
49+40	1.4627	1.46	O				
49+45	1.4616	1.46	O				
49+50	1.4606	1.46	O				
49+55	1.4595	1.46	O				
50+ 0	1.4584	1.46	O				
50+ 5	1.4573	1.46	O				
50+10	1.4562	1.45	O				
50+15	1.4552	1.45	O				
50+20	1.4541	1.45	O				
50+25	1.4530	1.45	O				
50+30	1.4519	1.45	O				
50+35	1.4509	1.45	O				
50+40	1.4498	1.45	O				
50+45	1.4487	1.45	O				
50+50	1.4477	1.45	O				
50+55	1.4466	1.44	O				
51+ 0	1.4455	1.44	O				
51+ 5	1.4445	1.44	O				
51+10	1.4434	1.44	O				
51+15	1.4423	1.44	O				
51+20	1.4413	1.44	O				
51+25	1.4402	1.44	O				
51+30	1.4391	1.44	O				
51+35	1.4381	1.44	O				
51+40	1.4370	1.44	O				
51+45	1.4360	1.43	O				
51+50	1.4349	1.43	O				
51+55	1.4338	1.43	O				
52+ 0	1.4328	1.43	O				
52+ 5	1.4317	1.43	O				
52+10	1.4307	1.43	O				
52+15	1.4296	1.43	O				
52+20	1.4286	1.43	O				
52+25	1.4275	1.43	O				
52+30	1.4264	1.42	O				
52+35	1.4254	1.42	O				
52+40	1.4243	1.42	O				
52+45	1.4233	1.42	O				
52+50	1.4222	1.42	O				
52+55	1.4212	1.42	O				
53+ 0	1.4201	1.42	O				
53+ 5	1.4191	1.42	O				
53+10	1.4180	1.42	O				
53+15	1.4170	1.42	O				
53+20	1.4159	1.41	O				
53+25	1.4149	1.41	O				
53+30	1.4139	1.41	O				
53+35	1.4128	1.41	O				
53+40	1.4118	1.41	O				
53+45	1.4107	1.41	O				
53+50	1.4095	1.41	O				
53+55	1.4082	1.41	O				
54+ 0	1.4069	1.40	O				
54+ 5	1.4056	1.40	O				
54+10	1.4043	1.40	O				
54+15	1.4029	1.40	O				
54+20	1.4016	1.40	O				
54+25	1.4003	1.40	O				
54+30	1.3989	1.40	O				
54+35	1.3976	1.40	O				
54+40	1.3963	1.39	O				
54+45	1.3950	1.39	O				
54+50	1.3936	1.39	O				
54+55	1.3923	1.39	O				
55+ 0	1.3910	1.39	O				
55+ 5	1.3897	1.39	O				
55+10	1.3884	1.39	O				
55+15	1.3870	1.38	O				
55+20	1.3857	1.38	O				
55+25	1.3844	1.38	O				
55+30	1.3831	1.38	O				
55+35	1.3818	1.38	O				
55+40	1.3805	1.38	O				
55+45	1.3792	1.38	O				
55+50	1.3778	1.38	O				

55+55	1.3765	1.37	O				
56+ 0	1.3752	1.37	O				
56+ 5	1.3739	1.37	O				
56+10	1.3726	1.37	O				
56+15	1.3713	1.37	O				
56+20	1.3700	1.37	O				
56+25	1.3687	1.37	O				
56+30	1.3674	1.37	O				
56+35	1.3661	1.36	O				
56+40	1.3648	1.36	O				
56+45	1.3635	1.36	O				
56+50	1.3622	1.36	O				
56+55	1.3609	1.36	O				
57+ 0	1.3597	1.36	O				
57+ 5	1.3584	1.36	O				
57+10	1.3571	1.36	O				
57+15	1.3558	1.35	O				
57+20	1.3545	1.35	O				
57+25	1.3532	1.35	O				
57+30	1.3519	1.35	O				
57+35	1.3507	1.35	O				
57+40	1.3494	1.35	O				
57+45	1.3481	1.35	O				
57+50	1.3468	1.34	O				
57+55	1.3455	1.34	O				
58+ 0	1.3443	1.34	O				
58+ 5	1.3430	1.34	O				
58+10	1.3417	1.34	O				
58+15	1.3404	1.34	O				
58+20	1.3392	1.34	O				
58+25	1.3379	1.34	O				
58+30	1.3366	1.33	O				
58+35	1.3354	1.33	O				
58+40	1.3341	1.33	O				
58+45	1.3328	1.33	O				
58+50	1.3316	1.33	O				
58+55	1.3303	1.33	O				
59+ 0	1.3290	1.33	O				
59+ 5	1.3278	1.33	O				
59+10	1.3265	1.32	O				
59+15	1.3252	1.32	O				
59+20	1.3240	1.32	O				
59+25	1.3227	1.32	O				
59+30	1.3215	1.32	O				
59+35	1.3202	1.32	O				
59+40	1.3190	1.32	O				
59+45	1.3177	1.32	O				
59+50	1.3165	1.31	O				
59+55	1.3152	1.31	O				
60+ 0	1.3140	1.31	O				
60+ 5	1.3127	1.31	O				
60+10	1.3115	1.31	O				
60+15	1.3102	1.31	O				
60+20	1.3090	1.31	O				
60+25	1.3078	1.31	O				
60+30	1.3065	1.30	O				
60+35	1.3053	1.30	O				
60+40	1.3040	1.30	O				
60+45	1.3028	1.30	O				
60+50	1.3016	1.30	O				
60+55	1.3003	1.30	O				
61+ 0	1.2990	1.30	O				
61+ 5	1.2977	1.30	O				
61+10	1.2964	1.29	O				
61+15	1.2950	1.29	O				
61+20	1.2937	1.29	O				
61+25	1.2924	1.29	O				
61+30	1.2911	1.29	O				
61+35	1.2898	1.29	O				
61+40	1.2884	1.29	O				
61+45	1.2871	1.29	O				
61+50	1.2858	1.28	O				
61+55	1.2845	1.28	O				
62+ 0	1.2832	1.28	O				
62+ 5	1.2819	1.28	O				
62+10	1.2806	1.28	O				
62+15	1.2792	1.28	O				
62+20	1.2779	1.28	O				
62+25	1.2766	1.27	O				
62+30	1.2753	1.27	O				
62+35	1.2740	1.27	O				
62+40	1.2727	1.27	O				
62+45	1.2714	1.27	O				
62+50	1.2701	1.27	O				
62+55	1.2688	1.27	O				
63+ 0	1.2675	1.27	O				
63+ 5	1.2662	1.26	O				
63+10	1.2649	1.26	O				
63+15	1.2637	1.26	O				
63+20	1.2624	1.26	O				
63+25	1.2611	1.26	O				
63+30	1.2598	1.26	O				
63+35	1.2585	1.26	O				
63+40	1.2572	1.26	O				
63+45	1.2559	1.25	O				
63+50	1.2546	1.25	O				
63+55	1.2534	1.25	O				
64+ 0	1.2521	1.25	O				
64+ 5	1.2508	1.25	O				
64+10	1.2495	1.25	O				
64+15	1.2482	1.25	O				
64+20	1.2470	1.24	O				
64+25	1.2457	1.24	O				
64+30	1.2444	1.24	O				
64+35	1.2431	1.24	O				
64+40	1.2419	1.24	O				
64+45	1.2406	1.24	O				
64+50	1.2393	1.24	O				
64+55	1.2381	1.24	O				
65+ 0	1.2368	1.23	O				
65+ 5	1.2355	1.23	O				
65+10	1.2343	1.23	O				
65+15	1.2330	1.23	O				
65+20	1.2318	1.23	O				
65+25	1.2305	1.23	O				
65+30	1.2292	1.23	O				
65+35	1.2280	1.23	O				
65+40	1.2267	1.22	O				
65+45	1.2255	1.22	O				
65+50	1.2242	1.22	O				
65+55	1.2230	1.22	O				
66+ 0	1.2217	1.22	O				

66+ 5	1.2205	1.22	O				
66+10	1.2192	1.22	O				
66+15	1.2180	1.22	O				
66+20	1.2167	1.21	O				
66+25	1.2155	1.21	O				
66+30	1.2143	1.21	O				
66+35	1.2130	1.21	O				
66+40	1.2118	1.21	O				
66+45	1.2105	1.21	O				
66+50	1.2093	1.21	O				
66+55	1.2081	1.21	O				
67+ 0	1.2068	1.20	O				
67+ 5	1.2056	1.20	O				
67+10	1.2044	1.20	O				
67+15	1.2031	1.20	O				
67+20	1.2019	1.20	O				
67+25	1.2007	1.20	O				
67+30	1.1995	1.20	O				
67+35	1.1982	1.20	O				
67+40	1.1970	1.20	O				
67+45	1.1958	1.19	O				
67+50	1.1946	1.19	O				
67+55	1.1933	1.19	O				
68+ 0	1.1921	1.19	O				
68+ 5	1.1908	1.19	O				
68+10	1.1893	1.19	O				
68+15	1.1877	1.19	O				
68+20	1.1860	1.18	O				
68+25	1.1843	1.18	O				
68+30	1.1826	1.18	O				
68+35	1.1809	1.18	O				
68+40	1.1791	1.18	O				
68+45	1.1774	1.17	O				
68+50	1.1757	1.17	O				
68+55	1.1740	1.17	O				
69+ 0	1.1722	1.17	O				
69+ 5	1.1705	1.17	O				
69+10	1.1688	1.17	O				
69+15	1.1671	1.16	O				
69+20	1.1654	1.16	O				
69+25	1.1637	1.16	O				
69+30	1.1620	1.16	O				
69+35	1.1603	1.16	O				
69+40	1.1586	1.16	O				
69+45	1.1569	1.15	O				
69+50	1.1552	1.15	O				
69+55	1.1535	1.15	O				
70+ 0	1.1518	1.15	O				
70+ 5	1.1501	1.15	O				
70+10	1.1484	1.15	O				
70+15	1.1468	1.14	O				
70+20	1.1451	1.14	O				
70+25	1.1434	1.14	O				
70+30	1.1417	1.14	O				
70+35	1.1401	1.14	O				
70+40	1.1384	1.14	O				
70+45	1.1367	1.13	O				
70+50	1.1351	1.13	O				
70+55	1.1334	1.13	O				
71+ 0	1.1317	1.13	O				
71+ 5	1.1301	1.13	O				
71+10	1.1284	1.13	O				
71+15	1.1268	1.12	O				
71+20	1.1251	1.12	O				
71+25	1.1235	1.12	O				
71+30	1.1218	1.12	O				
71+35	1.1202	1.12	O				
71+40	1.1185	1.12	O				
71+45	1.1169	1.11	O				
71+50	1.1153	1.11	O				
71+55	1.1136	1.11	O				
72+ 0	1.1120	1.11	O				
72+ 5	1.1104	1.11	O				
72+10	1.1088	1.11	O				
72+15	1.1071	1.10	O				
72+20	1.1055	1.10	O				
72+25	1.1039	1.10	O				
72+30	1.1023	1.10	O				
72+35	1.1007	1.10	O				
72+40	1.0990	1.10	O				
72+45	1.0974	1.09	O				
72+50	1.0958	1.09	O				
72+55	1.0942	1.09	O				
73+ 0	1.0926	1.09	O				
73+ 5	1.0910	1.09	O				
73+10	1.0894	1.09	O				
73+15	1.0878	1.09	O				
73+20	1.0862	1.08	O				
73+25	1.0846	1.08	O				
73+30	1.0831	1.08	O				
73+35	1.0815	1.08	O				
73+40	1.0799	1.08	O				
73+45	1.0783	1.08	O				
73+50	1.0767	1.07	O				
73+55	1.0752	1.07	O				
74+ 0	1.0736	1.07	O				
74+ 5	1.0720	1.07	O				
74+10	1.0704	1.07	O				
74+15	1.0689	1.07	O				
74+20	1.0673	1.06	O				
74+25	1.0657	1.06	O				
74+30	1.0642	1.06	O				
74+35	1.0626	1.06	O				
74+40	1.0611	1.06	O				
74+45	1.0595	1.06	O				
74+50	1.0580	1.06	O				
74+55	1.0564	1.05	O				
75+ 0	1.0549	1.05	O				
75+ 5	1.0533	1.05	O				
75+10	1.0518	1.05	O				
75+15	1.0502	1.05	O				
75+20	1.0487	1.05	O				
75+25	1.0472	1.04	O				
75+30	1.0456	1.04	O				
75+35	1.0441	1.04	O				
75+40	1.0426	1.04	O				
75+45	1.0410	1.04	O				
75+50	1.0395	1.04	O				
75+55	1.0380	1.04	O				
76+ 0	1.0365	1.03	O				
76+ 5	1.0350	1.03	O				
76+10	1.0334	1.03	O				

76+15	1.0319	1.03	|O	|	|	|	|	81+20	0.9437	0.94	O	|	|	|	|
76+20	1.0304	1.03	|O	|	|	|	|	81+25	0.9423	0.94	O	|	|	|	|
76+25	1.0289	1.03	|O	|	|	|	|	81+30	0.9409	0.94	O	|	|	|	|
76+30	1.0274	1.02	|O	|	|	|	|	81+35	0.9396	0.94	O	|	|	|	|
76+35	1.0259	1.02	|O	|	|	|	|	81+40	0.9382	0.94	O	|	|	|	|
76+40	1.0244	1.02	|O	|	|	|	|	81+45	0.9368	0.93	O	|	|	|	|
76+45	1.0229	1.02	|O	|	|	|	|	81+50	0.9354	0.93	O	|	|	|	|
76+50	1.0214	1.02	|O	|	|	|	|	81+55	0.9341	0.93	O	|	|	|	|
76+55	1.0199	1.02	|O	|	|	|	|	82+ 0	0.9327	0.93	O	|	|	|	|
77+ 0	1.0184	1.02	|O	|	|	|	|	82+ 5	0.9313	0.93	O	|	|	|	|
77+ 5	1.0169	1.01	|O	|	|	|	|	82+10	0.9300	0.93	O	|	|	|	|
77+10	1.0154	1.01	|O	|	|	|	|	82+15	0.9286	0.93	O	|	|	|	|
77+15	1.0139	1.01	|O	|	|	|	|	82+20	0.9272	0.93	O	|	|	|	|
77+20	1.0125	1.01	|O	|	|	|	|	82+25	0.9259	0.92	O	|	|	|	|
77+25	1.0110	1.01	|O	|	|	|	|	82+30	0.9245	0.92	O	|	|	|	|
77+30	1.0095	1.01	|O	|	|	|	|	82+35	0.9232	0.92	O	|	|	|	|
77+35	1.0080	1.01	|O	|	|	|	|	82+40	0.9218	0.92	O	|	|	|	|
77+40	1.0065	1.00	|O	|	|	|	|	82+45	0.9205	0.92	O	|	|	|	|
77+45	1.0051	1.00	|O	|	|	|	|	82+50	0.9191	0.92	O	|	|	|	|
77+50	1.0036	1.00	|O	|	|	|	|	82+55	0.9178	0.92	O	|	|	|	|
77+55	1.0021	1.00	IO	|	|	|	|	83+ 0	0.9164	0.91	O	|	|	|	|
78+ 0	1.0007	1.00	IO	|	|	|	|	83+ 5	0.9151	0.91	O	|	|	|	|
78+ 5	0.9992	1.00	O	|	|	|	|	83+10	0.9138	0.91	O	|	|	|	|
78+10	0.9977	1.00	O	|	|	|	|	83+15	0.9124	0.91	O	|	|	|	|
78+15	0.9963	0.99	O	|	|	|	|	83+20	0.9110	0.91	O	|	|	|	|
78+20	0.9948	0.99	O	|	|	|	|	83+25	0.9091	0.91	O	|	|	|	|
78+25	0.9934	0.99	O	|	|	|	|	83+30	0.9070	0.90	O	|	|	|	|
78+30	0.9919	0.99	O	|	|	|	|	83+35	0.9048	0.90	O	|	|	|	|
78+35	0.9904	0.99	O	|	|	|	|	83+40	0.9026	0.90	O	|	|	|	|
78+40	0.9890	0.99	O	|	|	|	|	83+45	0.9003	0.90	O	|	|	|	|
78+45	0.9876	0.99	O	|	|	|	|	83+50	0.8980	0.89	O	|	|	|	|
78+50	0.9861	0.98	O	|	|	|	|	83+55	0.8957	0.89	O	|	|	|	|
78+55	0.9847	0.98	O	|	|	|	|	84+ 0	0.8934	0.89	O	|	|	|	|
79+ 0	0.9832	0.98	O	|	|	|	|	84+ 5	0.8911	0.89	O	|	|	|	|
79+ 5	0.9818	0.98	O	|	|	|	|	84+10	0.8888	0.89	O	|	|	|	|
79+10	0.9803	0.98	O	|	|	|	|	84+15	0.8866	0.88	O	|	|	|	|
79+15	0.9789	0.98	O	|	|	|	|	84+20	0.8843	0.88	O	|	|	|	|
79+20	0.9775	0.98	O	|	|	|	|	84+25	0.8820	0.88	O	|	|	|	|
79+25	0.9760	0.97	O	|	|	|	|	84+30	0.8798	0.88	O	|	|	|	|
79+30	0.9746	0.97	O	|	|	|	|	84+35	0.8775	0.87	O	|	|	|	|
79+35	0.9732	0.97	O	|	|	|	|	84+40	0.8753	0.87	O	|	|	|	|
79+40	0.9718	0.97	O	|	|	|	|	84+45	0.8731	0.87	O	|	|	|	|
79+45	0.9703	0.97	O	|	|	|	|	84+50	0.8708	0.87	O	|	|	|	|
79+50	0.9689	0.97	O	|	|	|	|	84+55	0.8686	0.87	O	|	|	|	|
79+55	0.9675	0.97	O	|	|	|	|	85+ 0	0.8664	0.86	O	|	|	|	|
80+ 0	0.9661	0.96	O	|	|	|	|	85+ 5	0.8642	0.86	O	|	|	|	|
80+ 5	0.9647	0.96	O	|	|	|	|	85+10	0.8620	0.86	O	|	|	|	|
80+10	0.9633	0.96	O	|	|	|	|	85+15	0.8598	0.86	O	|	|	|	|
80+15	0.9618	0.96	O	|	|	|	|	85+20	0.8576	0.85	O	|	|	|	|
80+20	0.9604	0.96	O	|	|	|	|	85+25	0.8554	0.85	O	|	|	|	|
80+25	0.9590	0.96	O	|	|	|	|	85+30	0.8532	0.85	O	|	|	|	|
80+30	0.9576	0.96	O	|	|	|	|	85+35	0.8510	0.85	O	|	|	|	|
80+35	0.9562	0.95	O	|	|	|	|	85+40	0.8488	0.85	O	|	|	|	|
80+40	0.9548	0.95	O	|	|	|	|	85+45	0.8466	0.84	O	|	|	|	|
80+45	0.9534	0.95	O	|	|	|	|	85+50	0.8445	0.84	O	|	|	|	|
80+50	0.9520	0.95	O	|	|	|	|	85+55	0.8423	0.84	O	|	|	|	|
80+55	0.9506	0.95	O	|	|	|	|	86+ 0	0.8402	0.84	O	|	|	|	|
81+ 0	0.9492	0.95	O	|	|	|	|	86+ 5	0.8380	0.83	O	|	|	|	|
81+ 5	0.9479	0.95	O	|	|	|	|	86+10	0.8359	0.83	O	|	|	|	|
81+10	0.9465	0.94	O	|	|	|	|	86+15	0.8337	0.83	O	|	|	|	|
81+15	0.9451	0.94	O	|	|	|	|	86+20	0.8316	0.83	O	|	|	|	|

86+25	0.8295	0.83	O					91+30	0.7096	0.71	O				
86+30	0.8274	0.82	O					91+35	0.7077	0.70	O				
86+35	0.8253	0.82	O					91+40	0.7059	0.70	O				
86+40	0.8231	0.82	O					91+45	0.7041	0.70	O				
86+45	0.8210	0.82	O					91+50	0.7023	0.70	O				
86+50	0.8189	0.82	O					91+55	0.7005	0.70	O				
86+55	0.8168	0.81	O					92+ 0	0.6987	0.70	O				
87+ 0	0.8148	0.81	O					92+ 5	0.6970	0.69	O				
87+ 5	0.8127	0.81	O					92+10	0.6952	0.69	O				
87+10	0.8106	0.81	O					92+15	0.6934	0.69	O				
87+15	0.8085	0.81	O					92+20	0.6916	0.69	O				
87+20	0.8065	0.80	O					92+25	0.6899	0.69	O				
87+25	0.8044	0.80	O					92+30	0.6881	0.69	O				
87+30	0.8023	0.80	O					92+35	0.6863	0.68	O				
87+35	0.8003	0.80	O					92+40	0.6846	0.68	O				
87+40	0.7982	0.79	O					92+45	0.6828	0.68	O				
87+45	0.7962	0.79	O					92+50	0.6811	0.68	O				
87+50	0.7942	0.79	O					92+55	0.6793	0.68	O				
87+55	0.7921	0.79	O					93+ 0	0.6776	0.67	O				
88+ 0	0.7901	0.79	O					93+ 5	0.6759	0.67	O				
88+ 5	0.7881	0.78	O					93+10	0.6741	0.67	O				
88+10	0.7861	0.78	O					93+15	0.6724	0.67	O				
88+15	0.7841	0.78	O					93+20	0.6707	0.67	O				
88+20	0.7821	0.78	O					93+25	0.6690	0.67	O				
88+25	0.7801	0.78	O					93+30	0.6673	0.66	O				
88+30	0.7781	0.77	O					93+35	0.6656	0.66	O				
88+35	0.7761	0.77	O					93+40	0.6639	0.66	O				
88+40	0.7741	0.77	O					93+45	0.6622	0.66	O				
88+45	0.7721	0.77	O					93+50	0.6605	0.66	O				
88+50	0.7701	0.77	O					93+55	0.6588	0.66	O				
88+55	0.7682	0.77	O					94+ 0	0.6571	0.65	O				
89+ 0	0.7662	0.76	O					94+ 5	0.6554	0.65	O				
89+ 5	0.7642	0.76	O					94+10	0.6538	0.65	O				
89+10	0.7623	0.76	O					94+15	0.6521	0.65	O				
89+15	0.7603	0.76	O					94+20	0.6504	0.65	O				
89+20	0.7584	0.76	O					94+25	0.6487	0.65	O				
89+25	0.7565	0.75	O					94+30	0.6471	0.64	O				
89+30	0.7545	0.75	O					94+35	0.6454	0.64	O				
89+35	0.7526	0.75	O					94+40	0.6438	0.64	O				
89+40	0.7507	0.75	O					94+45	0.6421	0.64	O				
89+45	0.7488	0.75	O					94+50	0.6405	0.64	O				
89+50	0.7468	0.74	O					94+55	0.6389	0.64	O				
89+55	0.7449	0.74	O					95+ 0	0.6372	0.63	O				
90+ 0	0.7430	0.74	O					95+ 5	0.6356	0.63	O				
90+ 5	0.7411	0.74	O					95+10	0.6340	0.63	O				
90+10	0.7392	0.74	O					95+15	0.6324	0.63	O				
90+15	0.7373	0.73	O					95+20	0.6307	0.63	O				
90+20	0.7355	0.73	O					95+25	0.6291	0.63	O				
90+25	0.7336	0.73	O					95+30	0.6275	0.62	O				
90+30	0.7317	0.73	O					95+35	0.6259	0.62	O				
90+35	0.7298	0.73	O					95+40	0.6243	0.62	O				
90+40	0.7280	0.72	O					95+45	0.6227	0.62	O				
90+45	0.7261	0.72	O					95+50	0.6211	0.62	O				
90+50	0.7242	0.72	O					95+55	0.6195	0.62	O				
90+55	0.7224	0.72	O					96+ 0	0.6179	0.62	O				
91+ 0	0.7205	0.72	O					96+ 5	0.6164	0.61	O				
91+ 5	0.7187	0.72	O					96+10	0.6148	0.61	O				
91+10	0.7169	0.71	O					96+15	0.6132	0.61	O				
91+15	0.7150	0.71	O					96+20	0.6117	0.61	O				
91+20	0.7132	0.71	O					96+25	0.6101	0.61	O				
91+25	0.7114	0.71	O					96+30	0.6085	0.61	O				

96+35	0.6070	0.60	O					101+40	0.5192	0.52	O				
96+40	0.6054	0.60	O					101+45	0.5179	0.52	O				
96+45	0.6039	0.60	O					101+50	0.5166	0.51	O				
96+50	0.6023	0.60	O					101+55	0.5152	0.51	O				
96+55	0.6008	0.60	O					102+ 0	0.5139	0.51	O				
97+ 0	0.5993	0.60	O					102+ 5	0.5126	0.51	O				
97+ 5	0.5977	0.60	O					102+10	0.5113	0.51	O				
97+10	0.5962	0.59	O					102+15	0.5100	0.51	O				
97+15	0.5947	0.59	O					102+20	0.5087	0.51	O				
97+20	0.5931	0.59	O					102+25	0.5074	0.51	O				
97+25	0.5916	0.59	O					102+30	0.5061	0.50	O				
97+30	0.5901	0.59	O					102+35	0.5048	0.50	O				
97+35	0.5886	0.59	O					102+40	0.5035	0.50	O				
97+40	0.5871	0.58	O					102+45	0.5022	0.50	O				
97+45	0.5856	0.58	O					102+50	0.5007	0.50	O				
97+50	0.5841	0.58	O					102+55	0.4981	0.49	O				
97+55	0.5826	0.58	O					103+ 0	0.4950	0.49	O				
98+ 0	0.5811	0.58	O					103+ 5	0.4917	0.49	O				
98+ 5	0.5796	0.58	O					103+10	0.4882	0.48	O				
98+10	0.5782	0.58	O					103+15	0.4847	0.48	O				
98+15	0.5767	0.57	O					103+20	0.4813	0.48	O				
98+20	0.5752	0.57	O					103+25	0.4778	0.47	O				
98+25	0.5737	0.57	O					103+30	0.4744	0.47	O				
98+30	0.5723	0.57	O					103+35	0.4709	0.47	O				
98+35	0.5708	0.57	O					103+40	0.4675	0.46	O				
98+40	0.5693	0.57	O					103+45	0.4642	0.46	O				
98+45	0.5679	0.57	O					103+50	0.4608	0.46	O				
98+50	0.5664	0.56	O					103+55	0.4575	0.45	O				
98+55	0.5650	0.56	O					104+ 0	0.4542	0.45	O				
99+ 0	0.5635	0.56	O					104+ 5	0.4509	0.45	O				
99+ 5	0.5621	0.56	O					104+10	0.4476	0.44	O				
99+10	0.5607	0.56	O					104+15	0.4444	0.44	O				
99+15	0.5592	0.56	O					104+20	0.4412	0.44	O				
99+20	0.5578	0.56	O					104+25	0.4380	0.43	O				
99+25	0.5564	0.55	O					104+30	0.4348	0.43	O				
99+30	0.5550	0.55	O					104+35	0.4317	0.43	O				
99+35	0.5535	0.55	O					104+40	0.4286	0.42	O				
99+40	0.5521	0.55	O					104+45	0.4255	0.42	O				
99+45	0.5507	0.55	O					104+50	0.4224	0.42	O				
99+50	0.5493	0.55	O					104+55	0.4194	0.41	O				
99+55	0.5479	0.55	O					105+ 0	0.4163	0.41	O				
100+ 0	0.5465	0.54	O					105+ 5	0.4133	0.41	O				
100+ 5	0.5451	0.54	O					105+10	0.4103	0.41	O				
100+10	0.5437	0.54	O					105+15	0.4074	0.40	O				
100+15	0.5423	0.54	O					105+20	0.4044	0.40	O				
100+20	0.5409	0.54	O					105+25	0.4015	0.40	O				
100+25	0.5395	0.54	O					105+30	0.3986	0.39	O				
100+30	0.5382	0.54	O					105+35	0.3957	0.39	O				
100+35	0.5368	0.53	O					105+40	0.3929	0.39	O				
100+40	0.5354	0.53	O					105+45	0.3900	0.39	O				
100+45	0.5340	0.53	O					105+50	0.3872	0.38	O				
100+50	0.5327	0.53	O					105+55	0.3844	0.38	O				
100+55	0.5313	0.53	O					106+ 0	0.3816	0.38	O				
101+ 0	0.5300	0.53	O					106+ 5	0.3789	0.37	O				
101+ 5	0.5286	0.53	O					106+10	0.3761	0.37	O				
101+10	0.5273	0.53	O					106+15	0.3734	0.37	O				
101+15	0.5259	0.52	O					106+20	0.3707	0.37	O				
101+20	0.5246	0.52	O					106+25	0.3681	0.36	O				
101+25	0.5232	0.52	O					106+30	0.3654	0.36	O				
101+30	0.5219	0.52	O					106+35	0.3628	0.36	O				
101+35	0.5205	0.52	O					106+40	0.3601	0.36	O				

106+45	0.3575	0.35	O				
106+50	0.3549	0.35	O				
106+55	0.3524	0.35	O				
107+ 0	0.3498	0.35	O				
107+ 5	0.3473	0.34	O				
107+10	0.3448	0.34	O				
107+15	0.3423	0.34	O				
107+20	0.3398	0.34	O				
107+25	0.3374	0.33	O				
107+30	0.3349	0.33	O				
107+35	0.3325	0.33	O				
107+40	0.3301	0.33	O				
107+45	0.3277	0.32	O				
107+50	0.3254	0.32	O				
107+55	0.3230	0.32	O				
108+ 0	0.3207	0.32	O				
108+ 5	0.3184	0.31	O				
108+10	0.3161	0.31	O				
108+15	0.3138	0.31	O				
108+20	0.3115	0.31	O				
108+25	0.3093	0.31	O				
108+30	0.3070	0.30	O				
108+35	0.3048	0.30	O				
108+40	0.3026	0.30	O				
108+45	0.3004	0.30	O				
108+50	0.2983	0.29	O				
108+55	0.2961	0.29	O				
109+ 0	0.2940	0.29	O				
109+ 5	0.2918	0.29	O				
109+10	0.2897	0.29	O				
109+15	0.2876	0.28	O				
109+20	0.2856	0.28	O				
109+25	0.2835	0.28	O				
109+30	0.2815	0.28	O				
109+35	0.2794	0.28	O				
109+40	0.2774	0.27	O				
109+45	0.2754	0.27	O				
109+50	0.2734	0.27	O				
109+55	0.2714	0.27	O				
110+ 0	0.2695	0.27	O				
110+ 5	0.2675	0.26	O				
110+10	0.2656	0.26	O				
110+15	0.2637	0.26	O				
110+20	0.2618	0.26	O				
110+25	0.2599	0.26	O				
110+30	0.2580	0.26	O				
110+35	0.2561	0.25	O				
110+40	0.2543	0.25	O				
110+45	0.2525	0.25	O				
110+50	0.2506	0.25	O				
110+55	0.2488	0.25	O				
111+ 0	0.2470	0.24	O				
111+ 5	0.2452	0.24	O				
111+10	0.2435	0.24	O				
111+15	0.2417	0.24	O				
111+20	0.2400	0.24	O				
111+25	0.2382	0.24	O				
111+30	0.2365	0.23	O				
111+35	0.2348	0.23	O				
111+40	0.2331	0.23	O				
111+45	0.2314	0.23	O				
111+50	0.2298	0.23	O				
111+55	0.2281	0.23	O				
112+ 0	0.2264	0.22	O				
112+ 5	0.2248	0.22	O				
112+10	0.2232	0.22	O				
112+15	0.2216	0.22	O				
112+20	0.2200	0.22	O				
112+25	0.2184	0.22	O				
112+30	0.2168	0.21	O				
112+35	0.2152	0.21	O				
112+40	0.2137	0.21	O				
112+45	0.2121	0.21	O				
112+50	0.2106	0.21	O				
112+55	0.2091	0.21	O				
113+ 0	0.2076	0.21	O				
113+ 5	0.2061	0.20	O				
113+10	0.2046	0.20	O				
113+15	0.2031	0.20	O				
113+20	0.2016	0.20	O				
113+25	0.2002	0.20	O				
113+30	0.1987	0.20	O				
113+35	0.1973	0.20	O				
113+40	0.1959	0.19	O				
113+45	0.1945	0.19	O				
113+50	0.1931	0.19	O				
113+55	0.1917	0.19	O				
114+ 0	0.1903	0.19	O				
114+ 5	0.1889	0.19	O				
114+10	0.1875	0.19	O				
114+15	0.1862	0.18	O				
114+20	0.1848	0.18	O				
114+25	0.1835	0.18	O				
114+30	0.1822	0.18	O				
114+35	0.1809	0.18	O				
114+40	0.1796	0.18	O				
114+45	0.1783	0.18	O				
114+50	0.1770	0.17	O				
114+55	0.1757	0.17	O				
115+ 0	0.1744	0.17	O				
115+ 5	0.1732	0.17	O				
115+10	0.1719	0.17	O				
115+15	0.1707	0.17	O				
115+20	0.1694	0.17	O				
115+25	0.1682	0.17	O				
115+30	0.1670	0.17	O				
115+35	0.1658	0.16	O				
115+40	0.1646	0.16	O				
115+45	0.1634	0.16	O				
115+50	0.1622	0.16	O				
115+55	0.1611	0.16	O				
116+ 0	0.1599	0.16	O				
116+ 5	0.1587	0.16	O				
116+10	0.1576	0.16	O				
116+15	0.1565	0.15	O				
116+20	0.1553	0.15	O				
116+25	0.1542	0.15	O				
116+30	0.1531	0.15	O				
116+35	0.1520	0.15	O				
116+40	0.1509	0.15	O				
116+45	0.1498	0.15	O				
116+50	0.1487	0.15	O				

116+55	0.1476	0.15	O					122+ 0	0.0949	0.09	O				
117+ 0	0.1466	0.14	O					122+ 5	0.0942	0.09	O				
117+ 5	0.1455	0.14	O					122+10	0.0935	0.09	O				
117+10	0.1445	0.14	O					122+15	0.0928	0.09	O				
117+15	0.1434	0.14	O					122+20	0.0922	0.09	O				
117+20	0.1424	0.14	O					122+25	0.0915	0.09	O				
117+25	0.1414	0.14	O					122+30	0.0908	0.09	O				
117+30	0.1403	0.14	O					122+35	0.0902	0.09	O				
117+35	0.1393	0.14	O					122+40	0.0895	0.09	O				
117+40	0.1383	0.14	O					122+45	0.0889	0.09	O				
117+45	0.1373	0.14	O					122+50	0.0882	0.09	O				
117+50	0.1363	0.13	O					122+55	0.0876	0.09	O				
117+55	0.1353	0.13	O					123+ 0	0.0870	0.09	O				
118+ 0	0.1344	0.13	O					123+ 5	0.0863	0.09	O				
118+ 5	0.1334	0.13	O					123+10	0.0857	0.08	O				
118+10	0.1324	0.13	O					123+15	0.0851	0.08	O				
118+15	0.1315	0.13	O					123+20	0.0845	0.08	O				
118+20	0.1305	0.13	O					123+25	0.0839	0.08	O				
118+25	0.1296	0.13	O					123+30	0.0833	0.08	O				
118+30	0.1286	0.13	O					123+35	0.0827	0.08	O				
118+35	0.1277	0.13	O					123+40	0.0821	0.08	O				
118+40	0.1268	0.13	O					123+45	0.0815	0.08	O				
118+45	0.1259	0.12	O					123+50	0.0809	0.08	O				
118+50	0.1250	0.12	O					123+55	0.0803	0.08	O				
118+55	0.1241	0.12	O					124+ 0	0.0797	0.08	O				
119+ 0	0.1232	0.12	O					124+ 5	0.0791	0.08	O				
119+ 5	0.1223	0.12	O					124+10	0.0786	0.08	O				
119+10	0.1214	0.12	O					124+15	0.0780	0.08	O				
119+15	0.1205	0.12	O					124+20	0.0774	0.08	O				
119+20	0.1196	0.12	O					124+25	0.0769	0.08	O				
119+25	0.1188	0.12	O					124+30	0.0763	0.08	O				
119+30	0.1179	0.12	O					124+35	0.0758	0.07	O				
119+35	0.1171	0.12	O					124+40	0.0752	0.07	O				
119+40	0.1162	0.11	O					124+45	0.0747	0.07	O				
119+45	0.1154	0.11	O					124+50	0.0741	0.07	O				
119+50	0.1146	0.11	O					124+55	0.0736	0.07	O				
119+55	0.1137	0.11	O					125+ 0	0.0731	0.07	O				
120+ 0	0.1129	0.11	O					125+ 5	0.0726	0.07	O				
120+ 5	0.1121	0.11	O					125+10	0.0720	0.07	O				
120+10	0.1113	0.11	O					125+15	0.0715	0.07	O				
120+15	0.1105	0.11	O					125+20	0.0710	0.07	O				
120+20	0.1097	0.11	O					125+25	0.0705	0.07	O				
120+25	0.1089	0.11	O					125+30	0.0700	0.07	O				
120+30	0.1081	0.11	O					125+35	0.0695	0.07	O				
120+35	0.1073	0.11	O					125+40	0.0690	0.07	O				
120+40	0.1065	0.11	O					125+45	0.0685	0.07	O				
120+45	0.1058	0.10	O					125+50	0.0680	0.07	O				
120+50	0.1050	0.10	O					125+55	0.0675	0.07	O				
120+55	0.1043	0.10	O					126+ 0	0.0670	0.07	O				
121+ 0	0.1035	0.10	O					126+ 5	0.0665	0.07	O				
121+ 5	0.1028	0.10	O					126+10	0.0660	0.07	O				
121+10	0.1020	0.10	O					126+15	0.0656	0.06	O				
121+15	0.1013	0.10	O					126+20	0.0651	0.06	O				
121+20	0.1005	0.10	O					126+25	0.0646	0.06	O				
121+25	0.0998	0.10	O					126+30	0.0641	0.06	O				
121+30	0.0991	0.10	O					126+35	0.0637	0.06	O				
121+35	0.0984	0.10	O					126+40	0.0632	0.06	O				
121+40	0.0977	0.10	O					126+45	0.0628	0.06	O				
121+45	0.0970	0.10	O					126+50	0.0623	0.06	O				
121+50	0.0963	0.10	O					126+55	0.0619	0.06	O				
121+55	0.0956	0.09	O					127+ 0	0.0614	0.06	O				

127+ 5	0.0610	0.06	O					132+10	0.0392	0.04	O				
127+10	0.0605	0.06	O					132+15	0.0389	0.04	O				
127+15	0.0601	0.06	O					132+20	0.0386	0.04	O				
127+20	0.0597	0.06	O					132+25	0.0383	0.04	O				
127+25	0.0592	0.06	O					132+30	0.0381	0.04	O				
127+30	0.0588	0.06	O					132+35	0.0378	0.04	O				
127+35	0.0584	0.06	O					132+40	0.0375	0.04	O				
127+40	0.0580	0.06	O					132+45	0.0372	0.04	O				
127+45	0.0575	0.06	O					132+50	0.0370	0.04	O				
127+50	0.0571	0.06	O					132+55	0.0367	0.04	O				
127+55	0.0567	0.06	O					133+ 0	0.0364	0.04	O				
128+ 0	0.0563	0.06	O					133+ 5	0.0362	0.04	O				
128+ 5	0.0559	0.06	O					133+10	0.0359	0.04	O				
128+10	0.0555	0.05	O					133+15	0.0357	0.04	O				
128+15	0.0551	0.05	O					133+20	0.0354	0.03	O				
128+20	0.0547	0.05	O					133+25	0.0351	0.03	O				
128+25	0.0543	0.05	O					133+30	0.0349	0.03	O				
128+30	0.0539	0.05	O					133+35	0.0346	0.03	O				
128+35	0.0535	0.05	O					133+40	0.0344	0.03	O				
128+40	0.0531	0.05	O					133+45	0.0341	0.03	O				
128+45	0.0527	0.05	O					133+50	0.0339	0.03	O				
128+50	0.0524	0.05	O					133+55	0.0336	0.03	O				
128+55	0.0520	0.05	O					134+ 0	0.0334	0.03	O				
129+ 0	0.0516	0.05	O					134+ 5	0.0332	0.03	O				
129+ 5	0.0512	0.05	O					134+10	0.0329	0.03	O				
129+10	0.0509	0.05	O					134+15	0.0327	0.03	O				
129+15	0.0505	0.05	O					134+20	0.0324	0.03	O				
129+20	0.0501	0.05	O					134+25	0.0322	0.03	O				
129+25	0.0498	0.05	O					134+30	0.0320	0.03	O				
129+30	0.0494	0.05	O					134+35	0.0317	0.03	O				
129+35	0.0491	0.05	O					134+40	0.0315	0.03	O				
129+40	0.0487	0.05	O					134+45	0.0313	0.03	O				
129+45	0.0483	0.05	O					134+50	0.0311	0.03	O				
129+50	0.0480	0.05	O					134+55	0.0308	0.03	O				
129+55	0.0476	0.05	O					135+ 0	0.0306	0.03	O				
130+ 0	0.0473	0.05	O					135+ 5	0.0304	0.03	O				
130+ 5	0.0470	0.05	O					135+10	0.0302	0.03	O				
130+10	0.0466	0.05	O					135+15	0.0300	0.03	O				
130+15	0.0463	0.05	O					135+20	0.0297	0.03	O				
130+20	0.0460	0.05	O					135+25	0.0295	0.03	O				
130+25	0.0456	0.05	O					135+30	0.0293	0.03	O				
130+30	0.0453	0.04	O					135+35	0.0291	0.03	O				
130+35	0.0450	0.04	O					135+40	0.0289	0.03	O				
130+40	0.0446	0.04	O					135+45	0.0287	0.03	O				
130+45	0.0443	0.04	O					135+50	0.0285	0.03	O				
130+50	0.0440	0.04	O					135+55	0.0283	0.03	O				
130+55	0.0437	0.04	O					136+ 0	0.0281	0.03	O				
131+ 0	0.0434	0.04	O					136+ 5	0.0279	0.03	O				
131+ 5	0.0430	0.04	O					136+10	0.0277	0.03	O				
131+10	0.0427	0.04	O					136+15	0.0275	0.03	O				
131+15	0.0424	0.04	O					136+20	0.0273	0.03	O				
131+20	0.0421	0.04	O					136+25	0.0271	0.03	O				
131+25	0.0418	0.04	O					136+30	0.0269	0.03	O				
131+30	0.0415	0.04	O					136+35	0.0267	0.03	O				
131+35	0.0412	0.04	O					136+40	0.0265	0.03	O				
131+40	0.0409	0.04	O					136+45	0.0263	0.03	O				
131+45	0.0406	0.04	O					136+50	0.0261	0.03	O				
131+50	0.0403	0.04	O					136+55	0.0259	0.03	O				
131+55	0.0400	0.04	O					137+ 0	0.0257	0.03	O				
132+ 0	0.0397	0.04	O					137+ 5	0.0255	0.03	O				
132+ 5	0.0395	0.04	O					137+10	0.0254	0.03	O				

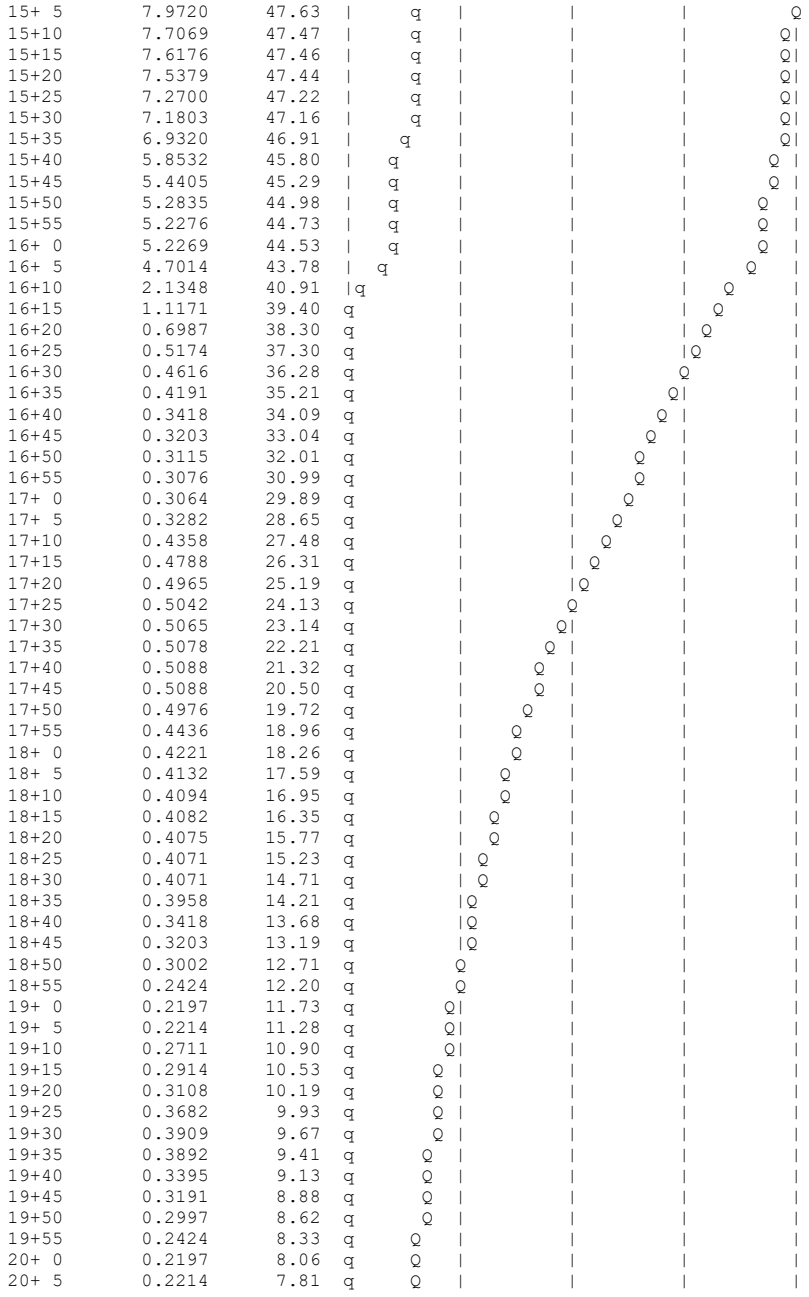
137+15	0.0252	0.02	O	|	|	|	|
137+20	0.0250	0.02	O	|	|	|	|
137+25	0.0248	0.02	O	|	|	|	|
137+30	0.0246	0.02	O	|	|	|	|
137+35	0.0245	0.02	O	|	|	|	|
137+40	0.0243	0.02	O	|	|	|	|
137+45	0.0241	0.02	O	|	|	|	|
137+50	0.0239	0.02	O	|	|	|	|
137+55	0.0238	0.02	O	|	|	|	|
138+ 0	0.0236	0.02	O	|	|	|	|
138+ 5	0.0234	0.02	O	|	|	|	|
138+10	0.0232	0.02	O	|	|	|	|
138+15	0.0231	0.02	O	|	|	|	|
138+20	0.0229	0.02	O	|	|	|	|
138+25	0.0227	0.02	O	|	|	|	|
138+30	0.0226	0.02	O	|	|	|	|
138+35	0.0224	0.02	O	|	|	|	|
138+40	0.0223	0.02	O	|	|	|	|
138+45	0.0221	0.02	O	|	|	|	|
138+50	0.0219	0.02	O	|	|	|	|
138+55	0.0218	0.02	O	|	|	|	|
139+ 0	0.0216	0.02	O	|	|	|	|
139+ 5	0.0215	0.02	O	|	|	|	|
139+10	0.0213	0.02	O	|	|	|	|
139+15	0.0212	0.02	O	|	|	|	|
139+20	0.0210	0.02	O	|	|	|	|
139+25	0.0209	0.02	O	|	|	|	|
139+30	0.0207	0.02	O	|	|	|	|
139+35	0.0206	0.02	O	|	|	|	|
139+40	0.0204	0.02	O	|	|	|	|
139+45	0.0203	0.02	O	|	|	|	|
139+50	0.0201	0.02	O	|	|	|	|
139+55	0.0200	0.02	O	|	|	|	|

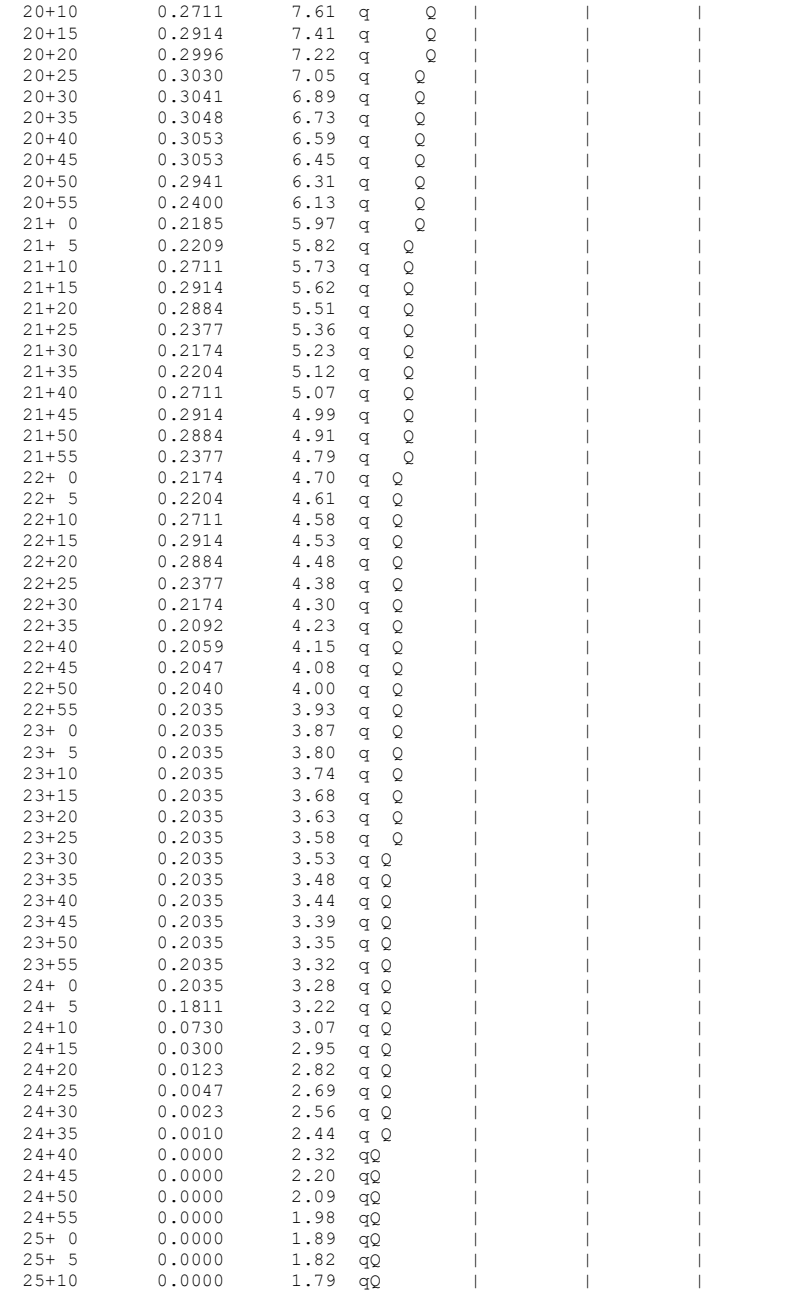
```
----------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  2092
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       39.980 (CFS)
                        Total volume =      30.858 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ----------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        3.200 to Point/Station        3.300
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ______________________________________________________________________
        ******************** HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP3B24100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ----------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)
```

Time(h+m)	Add q(CFS)	Tot. Q	0	11.9	23.8	35.7	47.6
0+ 5	0.0224	0.02	Q	|	|	|	|
0+10	0.1305	0.13	Q	|	|	|	|
0+15	0.1735	0.18	Q	|	|	|	|
0+20	0.2024	0.22	Q	|	|	|	|
0+25	0.2641	0.30	Q	|	|	|	|
0+30	0.2880	0.34	Q	|	|	|	|
0+35	0.2982	0.37	Q	|	|	|	|
0+40	0.3030	0.40	Q	|	|	|	|
0+45	0.3041	0.43	Q	|	|	|	|
0+50	0.3160	0.47	Q	|	|	|	|
0+55	0.3705	0.55	Q	|	|	|	|
1+ 0	0.3921	0.60	Q	|	|	|	|
1+ 5	0.3897	0.62	Q	|	|	|	|
1+10	0.3395	0.60	Q	|	|	|	|
1+15	0.3191	0.61	Q	|	|	|	|
1+20	0.3110	0.63	Q	|	|	|	|
1+25	0.3076	0.65	Q	|	|	|	|
1+30	0.3064	0.67	Q	|	|	|	|
1+35	0.3058	0.70	Q	|	|	|	|
1+40	0.3053	0.72	Q	|	|	|	|
1+45	0.3053	0.74	Q	|	|	|	|
1+50	0.3165	0.78	Q	|	|	|	|
1+55	0.3705	0.85	Q	|	|	|	|
2+ 0	0.3921	0.89	Q	|	|	|	|
2+ 5	0.4009	0.91	Q	|	|	|	|
2+10	0.4047	0.93	Q	|	|	|	|
2+15	0.4059	0.94	Q	|	|	|	|
2+20	0.4066	0.95	Q	|	|	|	|
2+25	0.4071	0.96	Q	|	|	|	|
2+30	0.4071	0.97	Q	|	|	|	|
2+35	0.4183	1.00	Q	|	|	|	|
2+40	0.4723	1.06	Q	|	|	|	|
2+45	0.4938	1.10	Q	|	|	|	|
2+50	0.5027	1.12	Q	|	|	|	|
2+55	0.5065	1.13	Q	|	|	|	|
3+ 0	0.5077	1.15	Q	|	|	|	|
3+ 5	0.5083	1.16	Q	|	|	|	|
3+10	0.5088	1.18	Q	|	|	|	|
3+15	0.5088	1.19	Q	|	|	|	|
3+20	0.5088	1.20	qQ	|	|	|	|
3+25	0.5088	1.22	qQ	|	|	|	|
3+30	0.5088	1.23	qQ	|	|	|	|
3+35	0.5088	1.24	qQ	|	|	|	|
3+40	0.5088	1.26	qQ	|	|	|	|
3+45	0.5088	1.27	qQ	|	|	|	|
3+50	0.5200	1.30	qQ	|	|	|	|
3+55	0.5741	1.36	qQ	|	|	|	|
4+ 0	0.5956	1.40	qQ	|	|	|	|
4+ 5	0.6044	1.42	qQ	|	|	|	|
4+10	0.6083	1.44	qQ	|	|	|	|
4+15	0.6094	1.46	qQ	|	|	|	|
4+20	0.6213	1.49	qQ	|	|	|	|
4+25	0.6758	1.56	qQ	|	|	|	|
4+30	0.6974	1.60	qQ	|	|	|	|
4+35	0.7062	1.62	qQ	|	|	|	|
4+40	0.7100	1.64	qQ	|	|	|	|
4+45	0.7112	1.65	qQ	|	|	|	|
4+50	0.7231	1.67	qQ	|	|	|	|

4+55	0.7776	1.74	qQ				
5+ 0	0.7991	1.77	qQ				
5+ 5	0.7855	1.77	qQ				
5+10	0.6813	1.68	qQ				
5+15	0.6394	1.64	qQ				
5+20	0.6336	1.65	qQ				
5+25	0.6805	1.71	qQ				
5+30	0.6997	1.74	qQ				
5+35	0.7184	1.76	qQ				
5+40	0.7753	1.83	qQ				
5+45	0.7980	1.87	qQ				
5+50	0.8075	1.89	qQ				
5+55	0.8118	1.90	qQ				
6+ 0	0.8130	1.92	qQ				
6+ 5	0.8248	1.94	qQ				
6+10	0.8794	2.01	qQ				
6+15	0.9009	2.04	qQ				
6+20	0.9097	2.07	qQ				
6+25	0.9136	2.08	qQ				
6+30	0.9147	2.10	qQ				
6+35	0.9266	2.12	qQ				
6+40	0.9811	2.19	qQ				
6+45	1.0026	2.22	qQ				
6+50	1.0115	2.24	qQ				
6+55	1.0153	2.25	qQ				
7+ 0	1.0165	2.26	qQ				
7+ 5	1.0172	2.28	qQ				
7+10	1.0176	2.29	qQ				
7+15	1.0176	2.30	qQ				
7+20	1.0289	2.32	qQ				
7+25	1.0829	2.39	q Q				
7+30	1.1044	2.42	q Q				
7+35	1.1245	2.45	q Q				
7+40	1.1823	2.52	q Q				
7+45	1.2050	2.55	qQ				
7+50	1.2257	2.58	qQ				
7+55	1.2841	2.66	qQ				
8+ 0	1.3068	2.69	qQ				
8+ 5	1.3387	2.74	qQ				
8+10	1.4511	2.86	qQ				
8+15	1.4953	2.92	qQ				
8+20	1.5137	2.95	qQ				
8+25	1.5218	2.97	qQ				
8+30	1.5242	2.98	qQ				
8+35	1.5367	3.01	qQ				
8+40	1.5917	3.08	qQ				
8+45	1.6132	3.11	qQ				
8+50	1.6453	3.16	qQ				
8+55	1.7643	3.29	qQ				
9+ 0	1.8306	3.38	qQ				
9+ 5	1.9891	3.55	qQ				
9+10	2.5679	4.14	qQ				
9+15	2.8166	4.41	qQ				
9+20	2.9940	4.60	qQ				
9+25	3.3350	4.96	q Q				
9+30	3.4860	5.13	q Q				
9+35	3.6245	5.29	qQ				
9+40	3.9502	5.63	qQ				
9+45	4.0950	5.79	qQ				
9+50	4.2298	5.94	qQ				
9+55	4.5527	6.28	q Q				

10+ 0	4.6972	6.48	q Q				
10+ 5	4.4088	6.54	q Q				
10+10	2.6904	5.77	q Q				
10+15	2.0039	6.13	q Q				
10+20	1.7225	6.79	q Q				
10+25	1.6016	7.51	q Q				
10+30	1.5636	8.25	q Q				
10+35	1.8172	9.23	q Q				
10+40	3.1287	11.29	q Q				
10+45	3.6751	12.67	q Q				
10+50	3.9173	13.86	q Q				
10+55	4.0393	14.97	q Q				
11+ 0	4.0974	16.02	q Q				
11+ 5	4.0869	16.97	q Q				
11+10	3.8582	17.66	q Q				
11+15	3.7801	18.43	q Q				
11+20	3.7653	19.20	q Q				
11+25	3.7755	19.94	q Q				
11+30	3.7988	20.64	q Q				
11+35	3.7124	21.20	q Q				
11+40	3.1986	21.27	q Q				
11+45	3.0124	21.59	q Q				
11+50	3.0089	22.03	q Q				
11+55	3.2694	22.69	q Q				
12+ 0	3.3937	23.21	q Q				
12+ 5	3.8524	24.08	q Q				
12+10	5.7861	26.51	q Q				
12+15	6.5731	27.98	q Q				
12+20	6.9702	29.25	q Q				
12+25	7.4048	30.66	q Q				
12+30	7.5816	31.86	q Q				
12+35	7.7890	33.11	q Q				
12+40	8.3933	34.76	q Q				
12+45	8.6419	36.07	q Q				
12+50	8.8172	37.29	q Q				
12+55	9.1554	38.50	q Q				
13+ 0	9.3021	39.43	q Q				
13+ 5	9.6605	40.54	q Q				
13+10	11.0624	42.69	q Q				
13+15	11.6329	44.08	q Q				
13+20	11.8841	45.22	q Q				
13+25	12.0090	46.27	q Q				
13+30	12.0651	47.23	q Q				
13+35	11.4911	47.49	q Q				
13+40	8.5579	45.23	q Q				
13+45	7.4011	44.54	q Q				
13+50	6.9409	44.34	q Q				
13+55	6.7563	44.31	q Q				
14+ 0	6.7172	44.36	q Q				
14+ 5	6.9309	44.63	q Q				
14+10	8.0103	45.79	q Q				
14+15	8.4660	46.36	q Q				
14+20	8.6122	46.69	q Q				
14+25	8.4439	46.73	q Q				
14+30	8.3852	46.87	q Q				
14+35	8.3793	47.06	q Q				
14+40	8.3949	47.27	q Q				
14+45	8.4138	47.46	q Q				
14+50	8.3791	47.60	q Q				
14+55	8.1311	47.52	q Q				
15+ 0	8.0480	47.58	q Q				





25+15	0.0000	1.78	qQ					30+20	0.0000	1.71	qQ				
25+20	0.0000	1.77	qQ					30+25	0.0000	1.71	qQ				
25+25	0.0000	1.77	qQ					30+30	0.0000	1.71	qQ				
25+30	0.0000	1.77	qQ					30+35	0.0000	1.71	qQ				
25+35	0.0000	1.77	qQ					30+40	0.0000	1.71	qQ				
25+40	0.0000	1.76	qQ					30+45	0.0000	1.71	qQ				
25+45	0.0000	1.76	qQ					30+50	0.0000	1.71	qQ				
25+50	0.0000	1.76	qQ					30+55	0.0000	1.71	qQ				
25+55	0.0000	1.76	qQ					31+ 0	0.0000	1.70	qQ				
26+ 0	0.0000	1.76	qQ					31+ 5	0.0000	1.70	qQ				
26+ 5	0.0000	1.76	qQ					31+10	0.0000	1.70	qQ				
26+10	0.0000	1.76	qQ					31+15	0.0000	1.70	qQ				
26+15	0.0000	1.76	qQ					31+20	0.0000	1.70	qQ				
26+20	0.0000	1.76	qQ					31+25	0.0000	1.70	qQ				
26+25	0.0000	1.76	qQ					31+30	0.0000	1.70	qQ				
26+30	0.0000	1.75	qQ					31+35	0.0000	1.70	qQ				
26+35	0.0000	1.75	qQ					31+40	0.0000	1.70	qQ				
26+40	0.0000	1.75	qQ					31+45	0.0000	1.70	qQ				
26+45	0.0000	1.75	qQ					31+50	0.0000	1.70	qQ				
26+50	0.0000	1.75	qQ					31+55	0.0000	1.69	qQ				
26+55	0.0000	1.75	qQ					32+ 0	0.0000	1.69	qQ				
27+ 0	0.0000	1.75	qQ					32+ 5	0.0000	1.69	qQ				
27+ 5	0.0000	1.75	qQ					32+10	0.0000	1.69	qQ				
27+10	0.0000	1.75	qQ					32+15	0.0000	1.69	qQ				
27+15	0.0000	1.75	qQ					32+20	0.0000	1.69	qQ				
27+20	0.0000	1.74	qQ					32+25	0.0000	1.69	qQ				
27+25	0.0000	1.74	qQ					32+30	0.0000	1.69	qQ				
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27+45	0.0000	1.74	qQ					32+50	0.0000	1.68	qQ				
27+50	0.0000	1.74	qQ					32+55	0.0000	1.68	qQ				
27+55	0.0000	1.74	qQ					33+ 0	0.0000	1.68	qQ				
28+ 0	0.0000	1.74	qQ					33+ 5	0.0000	1.68	qQ				
28+ 5	0.0000	1.74	qQ					33+10	0.0000	1.68	qQ				
28+10	0.0000	1.74	qQ					33+15	0.0000	1.68	qQ				
28+15	0.0000	1.73	qQ					33+20	0.0000	1.68	qQ				
28+20	0.0000	1.73	qQ					33+25	0.0000	1.68	qQ				
28+25	0.0000	1.73	qQ					33+30	0.0000	1.68	qQ				
28+30	0.0000	1.73	qQ					33+35	0.0000	1.67	qQ				
28+35	0.0000	1.73	qQ					33+40	0.0000	1.67	qQ				
28+40	0.0000	1.73	qQ					33+45	0.0000	1.67	qQ				
28+45	0.0000	1.73	qQ					33+50	0.0000	1.67	qQ				
28+50	0.0000	1.73	qQ					33+55	0.0000	1.67	qQ				
28+55	0.0000	1.73	qQ					34+ 0	0.0000	1.67	qQ				
29+ 0	0.0000	1.73	qQ					34+ 5	0.0000	1.67	qQ				
29+ 5	0.0000	1.73	qQ					34+10	0.0000	1.67	qQ				
29+10	0.0000	1.72	qQ					34+15	0.0000	1.67	qQ				
29+15	0.0000	1.72	qQ					34+20	0.0000	1.66	qQ				
29+20	0.0000	1.72	qQ					34+25	0.0000	1.66	qQ				
29+25	0.0000	1.72	qQ					34+30	0.0000	1.66	qQ				
29+30	0.0000	1.72	qQ					34+35	0.0000	1.66	qQ				
29+35	0.0000	1.72	qQ					34+40	0.0000	1.66	qQ				
29+40	0.0000	1.72	qQ					34+45	0.0000	1.66	qQ				
29+45	0.0000	1.72	qQ					34+50	0.0000	1.66	qQ				
29+50	0.0000	1.72	qQ					34+55	0.0000	1.66	qQ				
29+55	0.0000	1.72	qQ					35+ 0	0.0000	1.66	qQ				
30+ 0	0.0000	1.72	qQ					35+ 5	0.0000	1.66	qQ				
30+ 5	0.0000	1.71	qQ					35+10	0.0000	1.65	qQ				
30+10	0.0000	1.71	qQ					35+15	0.0000	1.65	qQ				
30+15	0.0000	1.71	qQ					35+20	0.0000	1.65	qQ				

35+25	0.0000	1.65	qQ					40+30	0.0000	1.59	qQ				
35+30	0.0000	1.65	qQ					40+35	0.0000	1.59	qQ				
35+35	0.0000	1.65	qQ					40+40	0.0000	1.58	qQ				
35+40	0.0000	1.65	qQ					40+45	0.0000	1.58	qQ				
35+45	0.0000	1.65	qQ					40+50	0.0000	1.58	qQ				
35+50	0.0000	1.65	qQ					40+55	0.0000	1.58	qQ				
35+55	0.0000	1.64	qQ					41+ 0	0.0000	1.58	qQ				
36+ 0	0.0000	1.64	qQ					41+ 5	0.0000	1.58	qQ				
36+ 5	0.0000	1.64	qQ					41+10	0.0000	1.58	qQ				
36+10	0.0000	1.64	qQ					41+15	0.0000	1.58	qQ				
36+15	0.0000	1.64	qQ					41+20	0.0000	1.57	qQ				
36+20	0.0000	1.64	qQ					41+25	0.0000	1.57	qQ				
36+25	0.0000	1.64	qQ					41+30	0.0000	1.57	qQ				
36+30	0.0000	1.64	qQ					41+35	0.0000	1.57	qQ				
36+35	0.0000	1.64	qQ					41+40	0.0000	1.57	qQ				
36+40	0.0000	1.64	qQ					41+45	0.0000	1.57	qQ				
36+45	0.0000	1.63	qQ					41+50	0.0000	1.57	qQ				
36+50	0.0000	1.63	qQ					41+55	0.0000	1.57	qQ				
36+55	0.0000	1.63	qQ					42+ 0	0.0000	1.57	qQ				
37+ 0	0.0000	1.63	qQ					42+ 5	0.0000	1.56	qQ				
37+ 5	0.0000	1.63	qQ					42+10	0.0000	1.56	qQ				
37+10	0.0000	1.63	qQ					42+15	0.0000	1.56	qQ				
37+15	0.0000	1.63	qQ					42+20	0.0000	1.56	qQ				
37+20	0.0000	1.63	qQ					42+25	0.0000	1.56	qQ				
37+25	0.0000	1.63	qQ					42+30	0.0000	1.56	qQ				
37+30	0.0000	1.63	qQ					42+35	0.0000	1.56	qQ				
37+35	0.0000	1.62	qQ					42+40	0.0000	1.56	qQ				
37+40	0.0000	1.62	qQ					42+45	0.0000	1.56	qQ				
37+45	0.0000	1.62	qQ					42+50	0.0000	1.55	qQ				
37+50	0.0000	1.62	qQ					42+55	0.0000	1.55	qQ				
37+55	0.0000	1.62	qQ					43+ 0	0.0000	1.55	qQ				
38+ 0	0.0000	1.62	qQ					43+ 5	0.0000	1.55	qQ				
38+ 5	0.0000	1.62	qQ					43+10	0.0000	1.55	qQ				
38+10	0.0000	1.62	qQ					43+15	0.0000	1.55	qQ				
38+15	0.0000	1.62	qQ					43+20	0.0000	1.55	qQ				
38+20	0.0000	1.61	qQ					43+25	0.0000	1.55	qQ				
38+25	0.0000	1.61	qQ					43+30	0.0000	1.54	qQ				
38+30	0.0000	1.61	qQ					43+35	0.0000	1.54	qQ				
38+35	0.0000	1.61	qQ					43+40	0.0000	1.54	qQ				
38+40	0.0000	1.61	qQ					43+45	0.0000	1.54	qQ				
38+45	0.0000	1.61	qQ					43+50	0.0000	1.54	qQ				
38+50	0.0000	1.61	qQ					43+55	0.0000	1.54	qQ				
38+55	0.0000	1.61	qQ					44+ 0	0.0000	1.54	qQ				
39+ 0	0.0000	1.61	qQ					44+ 5	0.0000	1.54	qQ				
39+ 5	0.0000	1.61	qQ					44+10	0.0000	1.54	qQ				
39+10	0.0000	1.60	qQ					44+15	0.0000	1.53	qQ				
39+15	0.0000	1.60	qQ					44+20	0.0000	1.53	qQ				
39+20	0.0000	1.60	qQ					44+25	0.0000	1.53	qQ				
39+25	0.0000	1.60	qQ					44+30	0.0000	1.53	qQ				
39+30	0.0000	1.60	qQ					44+35	0.0000	1.53	qQ				
39+35	0.0000	1.60	qQ					44+40	0.0000	1.53	qQ				
39+40	0.0000	1.60	qQ					44+45	0.0000	1.53	qQ				
39+45	0.0000	1.60	qQ					44+50	0.0000	1.53	qQ				
39+50	0.0000	1.60	qQ					44+55	0.0000	1.53	qQ				
39+55	0.0000	1.59	qQ					45+ 0	0.0000	1.52	qQ				
40+ 0	0.0000	1.59	qQ					45+ 5	0.0000	1.52	qQ				
40+ 5	0.0000	1.59	qQ					45+10	0.0000	1.52	qQ				
40+10	0.0000	1.59	qQ					45+15	0.0000	1.52	qQ				
40+15	0.0000	1.59	qQ					45+20	0.0000	1.52	qQ				
40+20	0.0000	1.59	qQ					45+25	0.0000	1.52	qQ				
40+25	0.0000	1.59	qQ					45+30	0.0000	1.52	qQ				

45+35	0.0000	1.52	qQ					50+40	0.0000	1.45	qQ				
45+40	0.0000	1.52	qQ					50+45	0.0000	1.45	qQ				
45+45	0.0000	1.51	qQ					50+50	0.0000	1.45	qQ				
45+50	0.0000	1.51	qQ					50+55	0.0000	1.45	qQ				
45+55	0.0000	1.51	qQ					51+ 0	0.0000	1.45	qQ				
46+ 0	0.0000	1.51	qQ					51+ 5	0.0000	1.44	qQ				
46+ 5	0.0000	1.51	qQ					51+10	0.0000	1.44	qQ				
46+10	0.0000	1.51	qQ					51+15	0.0000	1.44	qQ				
46+15	0.0000	1.51	qQ					51+20	0.0000	1.44	qQ				
46+20	0.0000	1.51	qQ					51+25	0.0000	1.44	qQ				
46+25	0.0000	1.51	qQ					51+30	0.0000	1.44	qQ				
46+30	0.0000	1.50	qQ					51+35	0.0000	1.44	qQ				
46+35	0.0000	1.50	qQ					51+40	0.0000	1.44	qQ				
46+40	0.0000	1.50	qQ					51+45	0.0000	1.44	qQ				
46+45	0.0000	1.50	qQ					51+50	0.0000	1.43	qQ				
46+50	0.0000	1.50	qQ					51+55	0.0000	1.43	qQ				
46+55	0.0000	1.50	qQ					52+ 0	0.0000	1.43	qQ				
47+ 0	0.0000	1.50	qQ					52+ 5	0.0000	1.43	qQ				
47+ 5	0.0000	1.50	qQ					52+10	0.0000	1.43	qQ				
47+10	0.0000	1.50	qQ					52+15	0.0000	1.43	qQ				
47+15	0.0000	1.49	qQ					52+20	0.0000	1.43	qQ				
47+20	0.0000	1.49	qQ					52+25	0.0000	1.43	qQ				
47+25	0.0000	1.49	qQ					52+30	0.0000	1.43	qQ				
47+30	0.0000	1.49	qQ					52+35	0.0000	1.43	qQ				
47+35	0.0000	1.49	qQ					52+40	0.0000	1.42	qQ				
47+40	0.0000	1.49	qQ					52+45	0.0000	1.42	qQ				
47+45	0.0000	1.49	qQ					52+50	0.0000	1.42	qQ				
47+50	0.0000	1.49	qQ					52+55	0.0000	1.42	qQ				
47+55	0.0000	1.49	qQ					53+ 0	0.0000	1.42	qQ				
48+ 0	0.0000	1.48	qQ					53+ 5	0.0000	1.42	qQ				
48+ 5	0.0000	1.48	qQ					53+10	0.0000	1.42	qQ				
48+10	0.0000	1.48	qQ					53+15	0.0000	1.42	qQ				
48+15	0.0000	1.48	qQ					53+20	0.0000	1.42	qQ				
48+20	0.0000	1.48	qQ					53+25	0.0000	1.41	qQ				
48+25	0.0000	1.48	qQ					53+30	0.0000	1.41	qQ				
48+30	0.0000	1.48	qQ					53+35	0.0000	1.41	qQ				
48+35	0.0000	1.48	qQ					53+40	0.0000	1.41	qQ				
48+40	0.0000	1.48	qQ					53+45	0.0000	1.41	qQ				
48+45	0.0000	1.47	qQ					53+50	0.0000	1.41	qQ				
48+50	0.0000	1.47	qQ					53+55	0.0000	1.41	qQ				
48+55	0.0000	1.47	qQ					54+ 0	0.0000	1.41	qQ				
49+ 0	0.0000	1.47	qQ					54+ 5	0.0000	1.41	qQ				
49+ 5	0.0000	1.47	qQ					54+10	0.0000	1.40	qQ				
49+10	0.0000	1.47	qQ					54+15	0.0000	1.40	qQ				
49+15	0.0000	1.47	qQ					54+20	0.0000	1.40	qQ				
49+20	0.0000	1.47	qQ					54+25	0.0000	1.40	qQ				
49+25	0.0000	1.47	qQ					54+30	0.0000	1.40	qQ				
49+30	0.0000	1.46	qQ					54+35	0.0000	1.40	qQ				
49+35	0.0000	1.46	qQ					54+40	0.0000	1.40	qQ				
49+40	0.0000	1.46	qQ					54+45	0.0000	1.39	qQ				
49+45	0.0000	1.46	qQ					54+50	0.0000	1.39	qQ				
49+50	0.0000	1.46	qQ					54+55	0.0000	1.39	qQ				
49+55	0.0000	1.46	qQ					55+ 0	0.0000	1.39	qQ				
50+ 0	0.0000	1.46	qQ					55+ 5	0.0000	1.39	qQ				
50+ 5	0.0000	1.46	qQ					55+10	0.0000	1.39	qQ				
50+10	0.0000	1.46	qQ					55+15	0.0000	1.39	qQ				
50+15	0.0000	1.46	qQ					55+20	0.0000	1.39	qQ				
50+20	0.0000	1.45	qQ					55+25	0.0000	1.38	qQ				
50+25	0.0000	1.45	qQ					55+30	0.0000	1.38	qQ				
50+30	0.0000	1.45	qQ					55+35	0.0000	1.38	qQ				
50+35	0.0000	1.45	qQ					55+40	0.0000	1.38	qQ				

55+45	0.0000	1.38	qQ					60+50	0.0000	1.30	qQ				
55+50	0.0000	1.38	qQ					60+55	0.0000	1.30	qQ				
55+55	0.0000	1.38	qQ					61+ 0	0.0000	1.30	qQ				
56+ 0	0.0000	1.38	qQ					61+ 5	0.0000	1.30	qQ				
56+ 5	0.0000	1.37	qQ					61+10	0.0000	1.30	qQ				
56+10	0.0000	1.37	qQ					61+15	0.0000	1.30	qQ				
56+15	0.0000	1.37	qQ					61+20	0.0000	1.29	qQ				
56+20	0.0000	1.37	qQ					61+25	0.0000	1.29	qQ				
56+25	0.0000	1.37	qQ					61+30	0.0000	1.29	qQ				
56+30	0.0000	1.37	qQ					61+35	0.0000	1.29	qQ				
56+35	0.0000	1.37	qQ					61+40	0.0000	1.29	qQ				
56+40	0.0000	1.36	qQ					61+45	0.0000	1.29	qQ				
56+45	0.0000	1.36	qQ					61+50	0.0000	1.29	qQ				
56+50	0.0000	1.36	qQ					61+55	0.0000	1.28	qQ				
56+55	0.0000	1.36	qQ					62+ 0	0.0000	1.28	qQ				
57+ 0	0.0000	1.36	qQ					62+ 5	0.0000	1.28	qQ				
57+ 5	0.0000	1.36	qQ					62+10	0.0000	1.28	qQ				
57+10	0.0000	1.36	qQ					62+15	0.0000	1.28	qQ				
57+15	0.0000	1.36	qQ					62+20	0.0000	1.28	qQ				
57+20	0.0000	1.35	qQ					62+25	0.0000	1.28	qQ				
57+25	0.0000	1.35	qQ					62+30	0.0000	1.28	qQ				
57+30	0.0000	1.35	qQ					62+35	0.0000	1.27	qQ				
57+35	0.0000	1.35	qQ					62+40	0.0000	1.27	qQ				
57+40	0.0000	1.35	qQ					62+45	0.0000	1.27	qQ				
57+45	0.0000	1.35	qQ					62+50	0.0000	1.27	qQ				
57+50	0.0000	1.35	qQ					62+55	0.0000	1.27	qQ				
57+55	0.0000	1.35	qQ					63+ 0	0.0000	1.27	qQ				
58+ 0	0.0000	1.34	qQ					63+ 5	0.0000	1.27	qQ				
58+ 5	0.0000	1.34	qQ					63+10	0.0000	1.26	qQ				
58+10	0.0000	1.34	qQ					63+15	0.0000	1.26	qQ				
58+15	0.0000	1.34	qQ					63+20	0.0000	1.26	qQ				
58+20	0.0000	1.34	qQ					63+25	0.0000	1.26	qQ				
58+25	0.0000	1.34	qQ					63+30	0.0000	1.26	qQ				
58+30	0.0000	1.34	qQ					63+35	0.0000	1.26	qQ				
58+35	0.0000	1.34	qQ					63+40	0.0000	1.26	qQ				
58+40	0.0000	1.33	qQ					63+45	0.0000	1.26	qQ				
58+45	0.0000	1.33	qQ					63+50	0.0000	1.25	qQ				
58+50	0.0000	1.33	qQ					63+55	0.0000	1.25	qQ				
58+55	0.0000	1.33	qQ					64+ 0	0.0000	1.25	qQ				
59+ 0	0.0000	1.33	qQ					64+ 5	0.0000	1.25	qQ				
59+ 5	0.0000	1.33	qQ					64+10	0.0000	1.25	qQ				
59+10	0.0000	1.33	qQ					64+15	0.0000	1.25	qQ				
59+15	0.0000	1.33	qQ					64+20	0.0000	1.25	qQ				
59+20	0.0000	1.32	qQ					64+25	0.0000	1.25	qQ				
59+25	0.0000	1.32	qQ					64+30	0.0000	1.24	qQ				
59+30	0.0000	1.32	qQ					64+35	0.0000	1.24	qQ				
59+35	0.0000	1.32	qQ					64+40	0.0000	1.24	qQ				
59+40	0.0000	1.32	qQ					64+45	0.0000	1.24	qQ				
59+45	0.0000	1.32	qQ					64+50	0.0000	1.24	qQ				
59+50	0.0000	1.32	qQ					64+55	0.0000	1.24	qQ				
59+55	0.0000	1.32	qQ					65+ 0	0.0000	1.24	qQ				
60+ 0	0.0000	1.31	qQ					65+ 5	0.0000	1.24	qQ				
60+ 5	0.0000	1.31	qQ					65+10	0.0000	1.23	qQ				
60+10	0.0000	1.31	qQ					65+15	0.0000	1.23	qQ				
60+15	0.0000	1.31	qQ					65+20	0.0000	1.23	qQ				
60+20	0.0000	1.31	qQ					65+25	0.0000	1.23	qQ				
60+25	0.0000	1.31	qQ					65+30	0.0000	1.23	qQ				
60+30	0.0000	1.31	qQ					65+35	0.0000	1.23	qQ				
60+35	0.0000	1.31	qQ					65+40	0.0000	1.23	qQ				
60+40	0.0000	1.30	qQ					65+45	0.0000	1.23	qQ				
60+45	0.0000	1.30	qQ					65+50	0.0000	1.22	qQ				

65+55	0.0000	1.22	qQ				
66+ 0	0.0000	1.22	qQ				
66+ 5	0.0000	1.22	qQ				
66+10	0.0000	1.22	qQ				
66+15	0.0000	1.22	qQ				
66+20	0.0000	1.22	qQ				
66+25	0.0000	1.22	qQ				
66+30	0.0000	1.21	qQ				
66+35	0.0000	1.21	qQ				
66+40	0.0000	1.21	qQ				
66+45	0.0000	1.21	qQ				
66+50	0.0000	1.21	qQ				
66+55	0.0000	1.21	qQ				
67+ 0	0.0000	1.21	qQ				
67+ 5	0.0000	1.21	qQ				
67+10	0.0000	1.20	qQ				
67+15	0.0000	1.20	qQ				
67+20	0.0000	1.20	qQ				
67+25	0.0000	1.20	qQ				
67+30	0.0000	1.20	qQ				
67+35	0.0000	1.20	qQ				
67+40	0.0000	1.20	qQ				
67+45	0.0000	1.20	qQ				
67+50	0.0000	1.19	qQ				
67+55	0.0000	1.19	qQ				
68+ 0	0.0000	1.19	qQ				
68+ 5	0.0000	1.19	qQ				
68+10	0.0000	1.19	Q				
68+15	0.0000	1.19	Q				
68+20	0.0000	1.19	Q				
68+25	0.0000	1.18	Q				
68+30	0.0000	1.18	Q				
68+35	0.0000	1.18	Q				
68+40	0.0000	1.18	Q				
68+45	0.0000	1.18	Q				
68+50	0.0000	1.18	Q				
68+55	0.0000	1.17	Q				
69+ 0	0.0000	1.17	Q				
69+ 5	0.0000	1.17	Q				
69+10	0.0000	1.17	Q				
69+15	0.0000	1.17	Q				
69+20	0.0000	1.17	Q				
69+25	0.0000	1.16	Q				
69+30	0.0000	1.16	Q				
69+35	0.0000	1.16	Q				
69+40	0.0000	1.16	Q				
69+45	0.0000	1.16	Q				
69+50	0.0000	1.16	Q				
69+55	0.0000	1.15	Q				
70+ 0	0.0000	1.15	Q				
70+ 5	0.0000	1.15	Q				
70+10	0.0000	1.15	Q				
70+15	0.0000	1.15	Q				
70+20	0.0000	1.15	Q				
70+25	0.0000	1.14	Q				
70+30	0.0000	1.14	Q				
70+35	0.0000	1.14	Q				
70+40	0.0000	1.14	Q				
70+45	0.0000	1.14	Q				
70+50	0.0000	1.14	Q				
70+55	0.0000	1.13	Q				
71+ 0	0.0000	1.13	Q				
71+ 5	0.0000	1.13	Q				
71+10	0.0000	1.13	Q				
71+15	0.0000	1.13	Q				
71+20	0.0000	1.13	Q				
71+25	0.0000	1.12	Q				
71+30	0.0000	1.12	Q				
71+35	0.0000	1.12	Q				
71+40	0.0000	1.12	Q				
71+45	0.0000	1.12	Q				
71+50	0.0000	1.12	Q				
71+55	0.0000	1.11	Q				
72+ 0	0.0000	1.11	Q				
72+ 5	0.0000	1.11	Q				
72+10	0.0000	1.11	Q				
72+15	0.0000	1.11	Q				
72+20	0.0000	1.11	Q				
72+25	0.0000	1.10	Q				
72+30	0.0000	1.10	Q				
72+35	0.0000	1.10	Q				
72+40	0.0000	1.10	Q				
72+45	0.0000	1.10	Q				
72+50	0.0000	1.10	Q				
72+55	0.0000	1.09	Q				
73+ 0	0.0000	1.09	Q				
73+ 5	0.0000	1.09	Q				
73+10	0.0000	1.09	Q				
73+15	0.0000	1.09	Q				
73+20	0.0000	1.09	Q				
73+25	0.0000	1.08	Q				
73+30	0.0000	1.08	Q				
73+35	0.0000	1.08	Q				
73+40	0.0000	1.08	Q				
73+45	0.0000	1.08	Q				
73+50	0.0000	1.08	Q				
73+55	0.0000	1.08	Q				
74+ 0	0.0000	1.07	Q				
74+ 5	0.0000	1.07	Q				
74+10	0.0000	1.07	Q				
74+15	0.0000	1.07	Q				
74+20	0.0000	1.07	Q				
74+25	0.0000	1.07	Q				
74+30	0.0000	1.06	Q				
74+35	0.0000	1.06	Q				
74+40	0.0000	1.06	Q				
74+45	0.0000	1.06	Q				
74+50	0.0000	1.06	Q				
74+55	0.0000	1.06	Q				
75+ 0	0.0000	1.05	Q				
75+ 5	0.0000	1.05	Q				
75+10	0.0000	1.05	Q				
75+15	0.0000	1.05	Q				
75+20	0.0000	1.05	Q				
75+25	0.0000	1.05	Q				
75+30	0.0000	1.05	Q				
75+35	0.0000	1.04	Q				
75+40	0.0000	1.04	Q				
75+45	0.0000	1.04	Q				
75+50	0.0000	1.04	Q				
75+55	0.0000	1.04	Q				
76+ 0	0.0000	1.04	Q				

76+ 5	0.0000	1.03	Q					81+10	0.0000	0.95	Q				
76+10	0.0000	1.03	Q					81+15	0.0000	0.95	Q				
76+15	0.0000	1.03	Q					81+20	0.0000	0.94	Q				
76+20	0.0000	1.03	Q					81+25	0.0000	0.94	Q				
76+25	0.0000	1.03	Q					81+30	0.0000	0.94	Q				
76+30	0.0000	1.03	Q					81+35	0.0000	0.94	Q				
76+35	0.0000	1.03	Q					81+40	0.0000	0.94	Q				
76+40	0.0000	1.02	Q					81+45	0.0000	0.94	Q				
76+45	0.0000	1.02	Q					81+50	0.0000	0.94	Q				
76+50	0.0000	1.02	Q					81+55	0.0000	0.93	Q				
76+55	0.0000	1.02	Q					82+ 0	0.0000	0.93	Q				
77+ 0	0.0000	1.02	Q					82+ 5	0.0000	0.93	Q				
77+ 5	0.0000	1.02	Q					82+10	0.0000	0.93	Q				
77+10	0.0000	1.02	Q					82+15	0.0000	0.93	Q				
77+15	0.0000	1.01	Q					82+20	0.0000	0.93	Q				
77+20	0.0000	1.01	Q					82+25	0.0000	0.93	Q				
77+25	0.0000	1.01	Q					82+30	0.0000	0.92	Q				
77+30	0.0000	1.01	Q					82+35	0.0000	0.92	Q				
77+35	0.0000	1.01	Q					82+40	0.0000	0.92	Q				
77+40	0.0000	1.01	Q					82+45	0.0000	0.92	Q				
77+45	0.0000	1.01	Q					82+50	0.0000	0.92	Q				
77+50	0.0000	1.00	Q					82+55	0.0000	0.92	Q				
77+55	0.0000	1.00	Q					83+ 0	0.0000	0.92	Q				
78+ 0	0.0000	1.00	Q					83+ 5	0.0000	0.92	Q				
78+ 5	0.0000	1.00	Q					83+10	0.0000	0.91	Q				
78+10	0.0000	1.00	Q					83+15	0.0000	0.91	Q				
78+15	0.0000	1.00	Q					83+20	0.0000	0.91	Q				
78+20	0.0000	0.99	Q					83+25	0.0000	0.91	Q				
78+25	0.0000	0.99	Q					83+30	0.0000	0.91	Q				
78+30	0.0000	0.99	Q					83+35	0.0000	0.90	Q				
78+35	0.0000	0.99	Q					83+40	0.0000	0.90	Q				
78+40	0.0000	0.99	Q					83+45	0.0000	0.90	Q				
78+45	0.0000	0.99	Q					83+50	0.0000	0.90	Q				
78+50	0.0000	0.99	Q					83+55	0.0000	0.90	Q				
78+55	0.0000	0.98	Q					84+ 0	0.0000	0.89	Q				
79+ 0	0.0000	0.98	Q					84+ 5	0.0000	0.89	Q				
79+ 5	0.0000	0.98	Q					84+10	0.0000	0.89	Q				
79+10	0.0000	0.98	Q					84+15	0.0000	0.89	Q				
79+15	0.0000	0.98	Q					84+20	0.0000	0.88	Q				
79+20	0.0000	0.98	Q					84+25	0.0000	0.88	Q				
79+25	0.0000	0.98	Q					84+30	0.0000	0.88	Q				
79+30	0.0000	0.97	Q					84+35	0.0000	0.88	Q				
79+35	0.0000	0.97	Q					84+40	0.0000	0.88	Q				
79+40	0.0000	0.97	Q					84+45	0.0000	0.87	Q				
79+45	0.0000	0.97	Q					84+50	0.0000	0.87	Q				
79+50	0.0000	0.97	Q					84+55	0.0000	0.87	Q				
79+55	0.0000	0.97	Q					85+ 0	0.0000	0.87	Q				
80+ 0	0.0000	0.97	Q					85+ 5	0.0000	0.86	Q				
80+ 5	0.0000	0.96	Q					85+10	0.0000	0.86	Q				
80+10	0.0000	0.96	Q					85+15	0.0000	0.86	Q				
80+15	0.0000	0.96	Q					85+20	0.0000	0.86	Q				
80+20	0.0000	0.96	Q					85+25	0.0000	0.86	Q				
80+25	0.0000	0.96	Q					85+30	0.0000	0.85	Q				
80+30	0.0000	0.96	Q					85+35	0.0000	0.85	Q				
80+35	0.0000	0.96	Q					85+40	0.0000	0.85	Q				
80+40	0.0000	0.95	Q					85+45	0.0000	0.85	Q				
80+45	0.0000	0.95	Q					85+50	0.0000	0.84	Q				
80+50	0.0000	0.95	Q					85+55	0.0000	0.84	Q				
80+55	0.0000	0.95	Q					86+ 0	0.0000	0.84	Q				
81+ 0	0.0000	0.95	Q					86+ 5	0.0000	0.84	Q				
81+ 5	0.0000	0.95	Q					86+10	0.0000	0.84	Q				

86+15	0.0000	0.83	Q					91+20	0.0000	0.71	Q				
86+20	0.0000	0.83	Q					91+25	0.0000	0.71	Q				
86+25	0.0000	0.83	Q					91+30	0.0000	0.71	Q				
86+30	0.0000	0.83	Q					91+35	0.0000	0.71	Q				
86+35	0.0000	0.83	Q					91+40	0.0000	0.71	Q				
86+40	0.0000	0.82	Q					91+45	0.0000	0.70	Q				
86+45	0.0000	0.82	Q					91+50	0.0000	0.70	Q				
86+50	0.0000	0.82	Q					91+55	0.0000	0.70	Q				
86+55	0.0000	0.82	Q					92+ 0	0.0000	0.70	Q				
87+ 0	0.0000	0.81	Q					92+ 5	0.0000	0.70	Q				
87+ 5	0.0000	0.81	Q					92+10	0.0000	0.70	Q				
87+10	0.0000	0.81	Q					92+15	0.0000	0.69	Q				
87+15	0.0000	0.81	Q					92+20	0.0000	0.69	Q				
87+20	0.0000	0.81	Q					92+25	0.0000	0.69	Q				
87+25	0.0000	0.80	Q					92+30	0.0000	0.69	Q				
87+30	0.0000	0.80	Q					92+35	0.0000	0.69	Q				
87+35	0.0000	0.80	Q					92+40	0.0000	0.68	Q				
87+40	0.0000	0.80	Q					92+45	0.0000	0.68	Q				
87+45	0.0000	0.80	Q					92+50	0.0000	0.68	Q				
87+50	0.0000	0.79	Q					92+55	0.0000	0.68	Q				
87+55	0.0000	0.79	Q					93+ 0	0.0000	0.68	Q				
88+ 0	0.0000	0.79	Q					93+ 5	0.0000	0.68	Q				
88+ 5	0.0000	0.79	Q					93+10	0.0000	0.67	Q				
88+10	0.0000	0.79	Q					93+15	0.0000	0.67	Q				
88+15	0.0000	0.78	Q					93+20	0.0000	0.67	Q				
88+20	0.0000	0.78	Q					93+25	0.0000	0.67	Q				
88+25	0.0000	0.78	Q					93+30	0.0000	0.67	Q				
88+30	0.0000	0.78	Q					93+35	0.0000	0.67	Q				
88+35	0.0000	0.78	Q					93+40	0.0000	0.66	Q				
88+40	0.0000	0.77	Q					93+45	0.0000	0.66	Q				
88+45	0.0000	0.77	Q					93+50	0.0000	0.66	Q				
88+50	0.0000	0.77	Q					93+55	0.0000	0.66	Q				
88+55	0.0000	0.77	Q					94+ 0	0.0000	0.66	Q				
89+ 0	0.0000	0.77	Q					94+ 5	0.0000	0.66	Q				
89+ 5	0.0000	0.76	Q					94+10	0.0000	0.65	Q				
89+10	0.0000	0.76	Q					94+15	0.0000	0.65	Q				
89+15	0.0000	0.76	Q					94+20	0.0000	0.65	Q				
89+20	0.0000	0.76	Q					94+25	0.0000	0.65	Q				
89+25	0.0000	0.76	Q					94+30	0.0000	0.65	Q				
89+30	0.0000	0.75	Q					94+35	0.0000	0.65	Q				
89+35	0.0000	0.75	Q					94+40	0.0000	0.64	Q				
89+40	0.0000	0.75	Q					94+45	0.0000	0.64	Q				
89+45	0.0000	0.75	Q					94+50	0.0000	0.64	Q				
89+50	0.0000	0.75	Q					94+55	0.0000	0.64	Q				
89+55	0.0000	0.74	Q					95+ 0	0.0000	0.64	Q				
90+ 0	0.0000	0.74	Q					95+ 5	0.0000	0.64	Q				
90+ 5	0.0000	0.74	Q					95+10	0.0000	0.63	Q				
90+10	0.0000	0.74	Q					95+15	0.0000	0.63	Q				
90+15	0.0000	0.74	Q					95+20	0.0000	0.63	Q				
90+20	0.0000	0.74	Q					95+25	0.0000	0.63	Q				
90+25	0.0000	0.73	Q					95+30	0.0000	0.63	Q				
90+30	0.0000	0.73	Q					95+35	0.0000	0.63	Q				
90+35	0.0000	0.73	Q					95+40	0.0000	0.62	Q				
90+40	0.0000	0.73	Q					95+45	0.0000	0.62	Q				
90+45	0.0000	0.73	Q					95+50	0.0000	0.62	Q				
90+50	0.0000	0.72	Q					95+55	0.0000	0.62	Q				
90+55	0.0000	0.72	Q					96+ 0	0.0000	0.62	Q				
91+ 0	0.0000	0.72	Q					96+ 5	0.0000	0.62	Q				
91+ 5	0.0000	0.72	Q					96+10	0.0000	0.61	Q				
91+10	0.0000	0.72	Q					96+15	0.0000	0.61	Q				
91+15	0.0000	0.72	Q					96+20	0.0000	0.61	Q				

96+25	0.0000	0.61	Q					101+30	0.0000	0.52	Q				
96+30	0.0000	0.61	Q					101+35	0.0000	0.52	Q				
96+35	0.0000	0.61	Q					101+40	0.0000	0.52	Q				
96+40	0.0000	0.61	Q					101+45	0.0000	0.52	Q				
96+45	0.0000	0.60	Q					101+50	0.0000	0.52	Q				
96+50	0.0000	0.60	Q					101+55	0.0000	0.52	Q				
96+55	0.0000	0.60	Q					102+ 0	0.0000	0.51	Q				
97+ 0	0.0000	0.60	Q					102+ 5	0.0000	0.51	Q				
97+ 5	0.0000	0.60	Q					102+10	0.0000	0.51	Q				
97+10	0.0000	0.60	Q					102+15	0.0000	0.51	Q				
97+15	0.0000	0.59	Q					102+20	0.0000	0.51	Q				
97+20	0.0000	0.59	Q					102+25	0.0000	0.51	Q				
97+25	0.0000	0.59	Q					102+30	0.0000	0.51	Q				
97+30	0.0000	0.59	Q					102+35	0.0000	0.50	Q				
97+35	0.0000	0.59	Q					102+40	0.0000	0.50	Q				
97+40	0.0000	0.59	Q					102+45	0.0000	0.50	Q				
97+45	0.0000	0.59	Q					102+50	0.0000	0.50	Q				
97+50	0.0000	0.58	Q					102+55	0.0000	0.50	Q				
97+55	0.0000	0.58	Q					103+ 0	0.0000	0.50	Q				
98+ 0	0.0000	0.58	Q					103+ 5	0.0000	0.49	Q				
98+ 5	0.0000	0.58	Q					103+10	0.0000	0.49	Q				
98+10	0.0000	0.58	Q					103+15	0.0000	0.48	Q				
98+15	0.0000	0.58	Q					103+20	0.0000	0.48	Q				
98+20	0.0000	0.58	Q					103+25	0.0000	0.48	Q				
98+25	0.0000	0.57	Q					103+30	0.0000	0.47	Q				
98+30	0.0000	0.57	Q					103+35	0.0000	0.47	Q				
98+35	0.0000	0.57	Q					103+40	0.0000	0.47	Q				
98+40	0.0000	0.57	Q					103+45	0.0000	0.46	Q				
98+45	0.0000	0.57	Q					103+50	0.0000	0.46	Q				
98+50	0.0000	0.57	Q					103+55	0.0000	0.46	Q				
98+55	0.0000	0.56	Q					104+ 0	0.0000	0.45	Q				
99+ 0	0.0000	0.56	Q					104+ 5	0.0000	0.45	Q				
99+ 5	0.0000	0.56	Q					104+10	0.0000	0.45	Q				
99+10	0.0000	0.56	Q					104+15	0.0000	0.44	Q				
99+15	0.0000	0.56	Q					104+20	0.0000	0.44	Q				
99+20	0.0000	0.56	Q					104+25	0.0000	0.44	Q				
99+25	0.0000	0.56	Q					104+30	0.0000	0.43	Q				
99+30	0.0000	0.55	Q					104+35	0.0000	0.43	Q				
99+35	0.0000	0.55	Q					104+40	0.0000	0.43	Q				
99+40	0.0000	0.55	Q					104+45	0.0000	0.43	Q				
99+45	0.0000	0.55	Q					104+50	0.0000	0.42	Q				
99+50	0.0000	0.55	Q					104+55	0.0000	0.42	Q				
99+55	0.0000	0.55	Q					105+ 0	0.0000	0.42	Q				
100+ 0	0.0000	0.55	Q					105+ 5	0.0000	0.41	Q				
100+ 5	0.0000	0.55	Q					105+10	0.0000	0.41	Q				
100+10	0.0000	0.54	Q					105+15	0.0000	0.41	Q				
100+15	0.0000	0.54	Q					105+20	0.0000	0.40	Q				
100+20	0.0000	0.54	Q					105+25	0.0000	0.40	Q				
100+25	0.0000	0.54	Q					105+30	0.0000	0.40	Q				
100+30	0.0000	0.54	Q					105+35	0.0000	0.40	Q				
100+35	0.0000	0.54	Q					105+40	0.0000	0.39	Q				
100+40	0.0000	0.54	Q					105+45	0.0000	0.39	Q				
100+45	0.0000	0.53	Q					105+50	0.0000	0.39	Q				
100+50	0.0000	0.53	Q					105+55	0.0000	0.38	Q				
100+55	0.0000	0.53	Q					106+ 0	0.0000	0.38	Q				
101+ 0	0.0000	0.53	Q					106+ 5	0.0000	0.38	Q				
101+ 5	0.0000	0.53	Q					106+10	0.0000	0.38	Q				
101+10	0.0000	0.53	Q					106+15	0.0000	0.37	Q				
101+15	0.0000	0.53	Q					106+20	0.0000	0.37	Q				
101+20	0.0000	0.52	Q					106+25	0.0000	0.37	Q				
101+25	0.0000	0.52	Q					106+30	0.0000	0.37	Q				

106+35	0.0000	0.36	Q					111+40	0.0000	0.23	Q				
106+40	0.0000	0.36	Q					111+45	0.0000	0.23	Q				
106+45	0.0000	0.36	Q					111+50	0.0000	0.23	Q				
106+50	0.0000	0.35	Q					111+55	0.0000	0.23	Q				
106+55	0.0000	0.35	Q					112+ 0	0.0000	0.23	Q				
107+ 0	0.0000	0.35	Q					112+ 5	0.0000	0.22	Q				
107+ 5	0.0000	0.35	Q					112+10	0.0000	0.22	Q				
107+10	0.0000	0.34	Q					112+15	0.0000	0.22	Q				
107+15	0.0000	0.34	Q					112+20	0.0000	0.22	Q				
107+20	0.0000	0.34	Q					112+25	0.0000	0.22	Q				
107+25	0.0000	0.34	Q					112+30	0.0000	0.22	Q				
107+30	0.0000	0.33	Q					112+35	0.0000	0.22	Q				
107+35	0.0000	0.33	Q					112+40	0.0000	0.21	Q				
107+40	0.0000	0.33	Q					112+45	0.0000	0.21	Q				
107+45	0.0000	0.33	Q					112+50	0.0000	0.21	Q				
107+50	0.0000	0.33	Q					112+55	0.0000	0.21	Q				
107+55	0.0000	0.32	Q					113+ 0	0.0000	0.21	Q				
108+ 0	0.0000	0.32	Q					113+ 5	0.0000	0.21	Q				
108+ 5	0.0000	0.32	Q					113+10	0.0000	0.20	Q				
108+10	0.0000	0.32	Q					113+15	0.0000	0.20	Q				
108+15	0.0000	0.31	Q					113+20	0.0000	0.20	Q				
108+20	0.0000	0.31	Q					113+25	0.0000	0.20	Q				
108+25	0.0000	0.31	Q					113+30	0.0000	0.20	Q				
108+30	0.0000	0.31	Q					113+35	0.0000	0.20	Q				
108+35	0.0000	0.30	Q					113+40	0.0000	0.20	Q				
108+40	0.0000	0.30	Q					113+45	0.0000	0.19	Q				
108+45	0.0000	0.30	Q					113+50	0.0000	0.19	Q				
108+50	0.0000	0.30	Q					113+55	0.0000	0.19	Q				
108+55	0.0000	0.30	Q					114+ 0	0.0000	0.19	Q				
109+ 0	0.0000	0.29	Q					114+ 5	0.0000	0.19	Q				
109+ 5	0.0000	0.29	Q					114+10	0.0000	0.19	Q				
109+10	0.0000	0.29	Q					114+15	0.0000	0.19	Q				
109+15	0.0000	0.29	Q					114+20	0.0000	0.18	Q				
109+20	0.0000	0.29	Q					114+25	0.0000	0.18	Q				
109+25	0.0000	0.28	Q					114+30	0.0000	0.18	Q				
109+30	0.0000	0.28	Q					114+35	0.0000	0.18	Q				
109+35	0.0000	0.28	Q					114+40	0.0000	0.18	Q				
109+40	0.0000	0.28	Q					114+45	0.0000	0.18	Q				
109+45	0.0000	0.28	Q					114+50	0.0000	0.18	Q				
109+50	0.0000	0.27	Q					114+55	0.0000	0.18	Q				
109+55	0.0000	0.27	Q					115+ 0	0.0000	0.17	Q				
110+ 0	0.0000	0.27	Q					115+ 5	0.0000	0.17	Q				
110+ 5	0.0000	0.27	Q					115+10	0.0000	0.17	Q				
110+10	0.0000	0.27	Q					115+15	0.0000	0.17	Q				
110+15	0.0000	0.26	Q					115+20	0.0000	0.17	Q				
110+20	0.0000	0.26	Q					115+25	0.0000	0.17	Q				
110+25	0.0000	0.26	Q					115+30	0.0000	0.17	Q				
110+30	0.0000	0.26	Q					115+35	0.0000	0.17	Q				
110+35	0.0000	0.26	Q					115+40	0.0000	0.16	Q				
110+40	0.0000	0.25	Q					115+45	0.0000	0.16	Q				
110+45	0.0000	0.25	Q					115+50	0.0000	0.16	Q				
110+50	0.0000	0.25	Q					115+55	0.0000	0.16	Q				
110+55	0.0000	0.25	Q					116+ 0	0.0000	0.16	Q				
111+ 0	0.0000	0.25	Q					116+ 5	0.0000	0.16	Q				
111+ 5	0.0000	0.25	Q					116+10	0.0000	0.16	Q				
111+10	0.0000	0.24	Q					116+15	0.0000	0.16	Q				
111+15	0.0000	0.24	Q					116+20	0.0000	0.16	Q				
111+20	0.0000	0.24	Q					116+25	0.0000	0.15	Q				
111+25	0.0000	0.24	Q					116+30	0.0000	0.15	Q				
111+30	0.0000	0.24	Q					116+35	0.0000	0.15	Q				
111+35	0.0000	0.23	Q					116+40	0.0000	0.15	Q				

116+45	0.0000	0.15	Q					121+50	0.0000	0.10	Q				
116+50	0.0000	0.15	Q					121+55	0.0000	0.10	Q				
116+55	0.0000	0.15	Q					122+ 0	0.0000	0.09	Q				
117+ 0	0.0000	0.15	Q					122+ 5	0.0000	0.09	Q				
117+ 5	0.0000	0.15	Q					122+10	0.0000	0.09	Q				
117+10	0.0000	0.14	Q					122+15	0.0000	0.09	Q				
117+15	0.0000	0.14	Q					122+20	0.0000	0.09	Q				
117+20	0.0000	0.14	Q					122+25	0.0000	0.09	Q				
117+25	0.0000	0.14	Q					122+30	0.0000	0.09	Q				
117+30	0.0000	0.14	Q					122+35	0.0000	0.09	Q				
117+35	0.0000	0.14	Q					122+40	0.0000	0.09	Q				
117+40	0.0000	0.14	Q					122+45	0.0000	0.09	Q				
117+45	0.0000	0.14	Q					122+50	0.0000	0.09	Q				
117+50	0.0000	0.14	Q					122+55	0.0000	0.09	Q				
117+55	0.0000	0.14	Q					123+ 0	0.0000	0.09	Q				
118+ 0	0.0000	0.13	Q					123+ 5	0.0000	0.09	Q				
118+ 5	0.0000	0.13	Q					123+10	0.0000	0.09	Q				
118+10	0.0000	0.13	Q					123+15	0.0000	0.09	Q				
118+15	0.0000	0.13	Q					123+20	0.0000	0.08	Q				
118+20	0.0000	0.13	Q					123+25	0.0000	0.08	Q				
118+25	0.0000	0.13	Q					123+30	0.0000	0.08	Q				
118+30	0.0000	0.13	Q					123+35	0.0000	0.08	Q				
118+35	0.0000	0.13	Q					123+40	0.0000	0.08	Q				
118+40	0.0000	0.13	Q					123+45	0.0000	0.08	Q				
118+45	0.0000	0.13	Q					123+50	0.0000	0.08	Q				
118+50	0.0000	0.12	Q					123+55	0.0000	0.08	Q				
118+55	0.0000	0.12	Q					124+ 0	0.0000	0.08	Q				
119+ 0	0.0000	0.12	Q					124+ 5	0.0000	0.08	Q				
119+ 5	0.0000	0.12	Q					124+10	0.0000	0.08	Q				
119+10	0.0000	0.12	Q					124+15	0.0000	0.08	Q				
119+15	0.0000	0.12	Q					124+20	0.0000	0.08	Q				
119+20	0.0000	0.12	Q					124+25	0.0000	0.08	Q				
119+25	0.0000	0.12	Q					124+30	0.0000	0.08	Q				
119+30	0.0000	0.12	Q					124+35	0.0000	0.08	Q				
119+35	0.0000	0.12	Q					124+40	0.0000	0.08	Q				
119+40	0.0000	0.12	Q					124+45	0.0000	0.07	Q				
119+45	0.0000	0.12	Q					124+50	0.0000	0.07	Q				
119+50	0.0000	0.11	Q					124+55	0.0000	0.07	Q				
119+55	0.0000	0.11	Q					125+ 0	0.0000	0.07	Q				
120+ 0	0.0000	0.11	Q					125+ 5	0.0000	0.07	Q				
120+ 5	0.0000	0.11	Q					125+10	0.0000	0.07	Q				
120+10	0.0000	0.11	Q					125+15	0.0000	0.07	Q				
120+15	0.0000	0.11	Q					125+20	0.0000	0.07	Q				
120+20	0.0000	0.11	Q					125+25	0.0000	0.07	Q				
120+25	0.0000	0.11	Q					125+30	0.0000	0.07	Q				
120+30	0.0000	0.11	Q					125+35	0.0000	0.07	Q				
120+35	0.0000	0.11	Q					125+40	0.0000	0.07	Q				
120+40	0.0000	0.11	Q					125+45	0.0000	0.07	Q				
120+45	0.0000	0.11	Q					125+50	0.0000	0.07	Q				
120+50	0.0000	0.11	Q					125+55	0.0000	0.07	Q				
120+55	0.0000	0.10	Q					126+ 0	0.0000	0.07	Q				
121+ 0	0.0000	0.10	Q					126+ 5	0.0000	0.07	Q				
121+ 5	0.0000	0.10	Q					126+10	0.0000	0.07	Q				
121+10	0.0000	0.10	Q					126+15	0.0000	0.07	Q				
121+15	0.0000	0.10	Q					126+20	0.0000	0.07	Q				
121+20	0.0000	0.10	Q					126+25	0.0000	0.06	Q				
121+25	0.0000	0.10	Q					126+30	0.0000	0.06	Q				
121+30	0.0000	0.10	Q					126+35	0.0000	0.06	Q				
121+35	0.0000	0.10	Q					126+40	0.0000	0.06	Q				
121+40	0.0000	0.10	Q					126+45	0.0000	0.06	Q				
121+45	0.0000	0.10	Q					126+50	0.0000	0.06	Q				

126+55	0.0000	0.06	Q					132+ 0	0.0000	0.04	Q				
127+ 0	0.0000	0.06	Q					132+ 5	0.0000	0.04	Q				
127+ 5	0.0000	0.06	Q					132+10	0.0000	0.04	Q				
127+10	0.0000	0.06	Q					132+15	0.0000	0.04	Q				
127+15	0.0000	0.06	Q					132+20	0.0000	0.04	Q				
127+20	0.0000	0.06	Q					132+25	0.0000	0.04	Q				
127+25	0.0000	0.06	Q					132+30	0.0000	0.04	Q				
127+30	0.0000	0.06	Q					132+35	0.0000	0.04	Q				
127+35	0.0000	0.06	Q					132+40	0.0000	0.04	Q				
127+40	0.0000	0.06	Q					132+45	0.0000	0.04	Q				
127+45	0.0000	0.06	Q					132+50	0.0000	0.04	Q				
127+50	0.0000	0.06	Q					132+55	0.0000	0.04	Q				
127+55	0.0000	0.06	Q					133+ 0	0.0000	0.04	Q				
128+ 0	0.0000	0.06	Q					133+ 5	0.0000	0.04	Q				
128+ 5	0.0000	0.06	Q					133+10	0.0000	0.04	Q				
128+10	0.0000	0.06	Q					133+15	0.0000	0.04	Q				
128+15	0.0000	0.06	Q					133+20	0.0000	0.04	Q				
128+20	0.0000	0.05	Q					133+25	0.0000	0.04	Q				
128+25	0.0000	0.05	Q					133+30	0.0000	0.03	Q				
128+30	0.0000	0.05	Q					133+35	0.0000	0.03	Q				
128+35	0.0000	0.05	Q					133+40	0.0000	0.03	Q				
128+40	0.0000	0.05	Q					133+45	0.0000	0.03	Q				
128+45	0.0000	0.05	Q					133+50	0.0000	0.03	Q				
128+50	0.0000	0.05	Q					133+55	0.0000	0.03	Q				
128+55	0.0000	0.05	Q					134+ 0	0.0000	0.03	Q				
129+ 0	0.0000	0.05	Q					134+ 5	0.0000	0.03	Q				
129+ 5	0.0000	0.05	Q					134+10	0.0000	0.03	Q				
129+10	0.0000	0.05	Q					134+15	0.0000	0.03	Q				
129+15	0.0000	0.05	Q					134+20	0.0000	0.03	Q				
129+20	0.0000	0.05	Q					134+25	0.0000	0.03	Q				
129+25	0.0000	0.05	Q					134+30	0.0000	0.03	Q				
129+30	0.0000	0.05	Q					134+35	0.0000	0.03	Q				
129+35	0.0000	0.05	Q					134+40	0.0000	0.03	Q				
129+40	0.0000	0.05	Q					134+45	0.0000	0.03	Q				
129+45	0.0000	0.05	Q					134+50	0.0000	0.03	Q				
129+50	0.0000	0.05	Q					134+55	0.0000	0.03	Q				
129+55	0.0000	0.05	Q					135+ 0	0.0000	0.03	Q				
130+ 0	0.0000	0.05	Q					135+ 5	0.0000	0.03	Q				
130+ 5	0.0000	0.05	Q					135+10	0.0000	0.03	Q				
130+10	0.0000	0.05	Q					135+15	0.0000	0.03	Q				
130+15	0.0000	0.05	Q					135+20	0.0000	0.03	Q				
130+20	0.0000	0.05	Q					135+25	0.0000	0.03	Q				
130+25	0.0000	0.05	Q					135+30	0.0000	0.03	Q				
130+30	0.0000	0.05	Q					135+35	0.0000	0.03	Q				
130+35	0.0000	0.04	Q					135+40	0.0000	0.03	Q				
130+40	0.0000	0.04	Q					135+45	0.0000	0.03	Q				
130+45	0.0000	0.04	Q					135+50	0.0000	0.03	Q				
130+50	0.0000	0.04	Q					135+55	0.0000	0.03	Q				
130+55	0.0000	0.04	Q					136+ 0	0.0000	0.03	Q				
131+ 0	0.0000	0.04	Q					136+ 5	0.0000	0.03	Q				
131+ 5	0.0000	0.04	Q					136+10	0.0000	0.03	Q				
131+10	0.0000	0.04	Q					136+15	0.0000	0.03	Q				
131+15	0.0000	0.04	Q					136+20	0.0000	0.03	Q				
131+20	0.0000	0.04	Q					136+25	0.0000	0.03	Q				
131+25	0.0000	0.04	Q					136+30	0.0000	0.03	Q				
131+30	0.0000	0.04	Q					136+35	0.0000	0.03	Q				
131+35	0.0000	0.04	Q					136+40	0.0000	0.03	Q				
131+40	0.0000	0.04	Q					136+45	0.0000	0.03	Q				
131+45	0.0000	0.04	Q					136+50	0.0000	0.03	Q				
131+50	0.0000	0.04	Q					136+55	0.0000	0.03	Q				
131+55	0.0000	0.04	Q					137+ 0	0.0000	0.03	Q				

```
 137+ 5       0.0000      0.03  Q         |         |         |         |
 137+10       0.0000      0.03  Q         |         |         |         |
 137+15       0.0000      0.03  Q         |         |         |         |
 137+20       0.0000      0.02  Q         |         |         |         |
 137+25       0.0000      0.02  Q         |         |         |         |
 137+30       0.0000      0.02  Q         |         |         |         |
 137+35       0.0000      0.02  Q         |         |         |         |
 137+40       0.0000      0.02  Q         |         |         |         |
 137+45       0.0000      0.02  Q         |         |         |         |
 137+50       0.0000      0.02  Q         |         |         |         |
 137+55       0.0000      0.02  Q         |         |         |         |
 138+ 0       0.0000      0.02  Q         |         |         |         |
 138+ 5       0.0000      0.02  Q         |         |         |         |
 138+10       0.0000      0.02  Q         |         |         |         |
 138+15       0.0000      0.02  Q         |         |         |         |
 138+20       0.0000      0.02  Q         |         |         |         |
 138+25       0.0000      0.02  Q         |         |         |         |
 138+30       0.0000      0.02  Q         |         |         |         |
 138+35       0.0000      0.02  Q         |         |         |         |
 138+40       0.0000      0.02  Q         |         |         |         |
 138+45       0.0000      0.02  Q         |         |         |         |
 138+50       0.0000      0.02  Q         |         |         |         |
 138+55       0.0000      0.02  Q         |         |         |         |
 139+ 0       0.0000      0.02  Q         |         |         |         |
 139+ 5       0.0000      0.02  Q         |         |         |         |
 139+10       0.0000      0.02  Q         |         |         |         |
 139+15       0.0000      0.02  Q         |         |         |         |
 139+20       0.0000      0.02  Q         |         |         |         |
 139+25       0.0000      0.02  Q         |         |         |         |
 139+30       0.0000      0.02  Q         |         |         |         |
 139+35       0.0000      0.02  Q         |         |         |         |
 139+40       0.0000      0.02  Q         |         |         |         |
 139+45       0.0000      0.02  Q         |         |         |         |
 139+50       0.0000      0.02  Q         |         |         |         |
 139+55       0.0000      0.02  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  2092
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       47.625 (CFS)
                    Total volume =      35.132 (Ac.Ft)
           Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      0.000     0.000     0.000     0.000     0.000
           Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        *************************************************************************

        ------------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        3.300 to Point/Station        3.400
        **** STREAM ROUTING SCS CONVEX METHOD ****
        ________________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =    410.00 (Ft.)
        Elevation difference =   16.00 (Ft.)
        Slope of channel =  0.039024 (Vert/Horiz)
        Channel type - Pipe

        Pipe length  =   410.00(Ft.)   Elevation difference =  16.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using mean flow rate of hydrograph
        Required pipe flow  =    15.333(CFS)
        Given pipe size =     54.00(In.)
        Calculated individual pipe flow  =    15.333(CFS)
        Normal flow depth in pipe =    7.32(In.)
        Flow top width inside pipe =   36.98(In.)
        Critical Depth =    1.11(Ft.)
        Pipe flow velocity =     11.86(Ft/s)
        Travel time through pipe =    0.58 min.


        Pipe length  =   410.00(Ft.)   Elevation difference =  16.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using maximum flow rate of hydrograph
        Required pipe flow  =    47.625(CFS)
        Given pipe size =     54.00(In.)
        Calculated individual pipe flow  =    47.625(CFS)
        Normal flow depth in pipe =   12.77(In.)
        Flow top width inside pipe =   45.90(In.)
        Critical Depth =    1.99(Ft.)
        Pipe flow velocity =     16.58(Ft/s)
        Travel time through pipe =    0.41 min.


        ********************** SCS CONVEX CHANNEL ROUTING **********************
        Convex method of stream routing  data items:
        Using equation: Outflow =
        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.9070   Travel time =   0.41 (min.)
                 dt*(unit time interval) =   5.00(min.),  e=   9.2494
                 dt(routing time-step) =   0.37 (min.),   c* =   1.0000

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T   O F   S T O R M
                      R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)
        ------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       11.9      23.8      35.7      47.6
------------------------------------------------------------------------------
  0+ 5       0.0210      0.02  O         |         |         |         |
  0+10       0.1248      0.13  O         |         |         |         |
  0+15       0.1790      0.18  O         |         |         |         |
  0+20       0.2201      0.22  O         |         |         |         |
  0+25       0.2943      0.30  O         |         |         |         |
  0+30       0.3396      0.34  O         |         |         |         |
  0+35       0.3725      0.37  O         |         |         |         |
  0+40       0.4012      0.40  O         |         |         |         |
  0+45       0.4270      0.43  O         |         |         |         |
  0+50       0.4629      0.47  O         |         |         |         |
  0+55       0.5400      0.55  O         |         |         |         |
  1+ 0       0.5918      0.60  O         |         |         |         |
  1+ 5       0.6211      0.62  O         |         |         |         |
  1+10       0.6048      0.60  O         |         |         |         |
```

1+15	0.6111	0.61	O				
1+20	0.6287	0.63	O				
1+25	0.6501	0.65	O				
1+30	0.6731	0.67	O				
1+35	0.6961	0.70	O				
1+40	0.7189	0.72	O				
1+45	0.7420	0.74	O				
1+50	0.7754	0.78	O				
1+55	0.8478	0.85	O				
2+ 0	0.8877	0.89	O				
2+ 5	0.9106	0.91	O				
2+10	0.9267	0.93	O				
2+15	0.9394	0.94	O				
2+20	0.9512	0.95	O				
2+25	0.9627	0.96	O				
2+30	0.9736	0.97	O				
2+35	0.9949	1.00	O				
2+40	1.0569	1.06	O				
2+45	1.0928	1.10	O				
2+50	1.1152	1.12	O				
2+55	1.1327	1.13	O				
3+ 0	1.1475	1.15	O				
3+ 5	1.1618	1.16	O				
3+10	1.1759	1.18	O				
3+15	1.1895	1.19	O				
3+20	1.2031	1.20	|O				
3+25	1.2167	1.22	|O				
3+30	1.2302	1.23	|O				
3+35	1.2437	1.24	|O				
3+40	1.2572	1.26	|O				
3+45	1.2706	1.27	|O				
3+50	1.2945	1.30	|O				
3+55	1.3590	1.36	|O				
4+ 0	1.3974	1.40	|O				
4+ 5	1.4225	1.42	|O				
4+10	1.4424	1.44	|O				
4+15	1.4598	1.46	|O				
4+20	1.4870	1.49	|O				
4+25	1.5548	1.56	|O				
4+30	1.5946	1.60	|O				
4+35	1.6177	1.62	|O				
4+40	1.6340	1.64	|O				
4+45	1.6468	1.65	|O				
4+50	1.6691	1.67	|O				
4+55	1.7316	1.74	|O				
5+ 0	1.7672	1.77	|O				
5+ 5	1.7682	1.77	|O				
5+10	1.6826	1.68	|O				
5+15	1.6473	1.64	|O				
5+20	1.6491	1.65	|O				
5+25	1.7019	1.71	|O				
5+30	1.7331	1.74	|O				
5+35	1.7622	1.76	|O				
5+40	1.8270	1.83	|O				
5+45	1.8635	1.87	|O				
5+50	1.8858	1.89	|O				
5+55	1.9026	1.90	|O				
6+ 0	1.9163	1.92	|O				
6+ 5	1.9398	1.94	|O				
6+10	2.0037	2.01	|O				
6+15	2.0407	2.04	|O				
6+20	2.0640	2.07	|O				
6+25	2.0819	2.08	|O				
6+30	2.0964	2.10	|O				
6+35	2.1190	2.12	|O				
6+40	2.1810	2.19	|O				
6+45	2.2156	2.22	|O				
6+50	2.2362	2.24	|O				
6+55	2.2512	2.25	|O				
7+ 0	2.2635	2.26	|O				
7+ 5	2.2752	2.28	|O				
7+10	2.2866	2.29	|O				
7+15	2.2976	2.30	|O				
7+20	2.3189	2.32	|O				
7+25	2.3804	2.39	|OI				
7+30	2.4151	2.42	| O				
7+35	2.4463	2.45	| O				
7+40	2.5125	2.52	| O				
7+45	2.5495	2.55	| O				
7+50	2.5823	2.58	| O				
7+55	2.6501	2.66	| O				
8+ 0	2.6881	2.69	| O				
8+ 5	2.7322	2.74	| O				
8+10	2.8510	2.86	| O				
8+15	2.9125	2.92	| O				
8+20	2.9453	2.95	| O				
8+25	2.9670	2.97	| O				
8+30	2.9828	2.98	| O				
8+35	3.0077	3.01	| O				
8+40	3.0729	3.08	| O				
8+45	3.1107	3.11	| O				
8+50	3.1562	3.16	| O				
8+55	3.2835	3.29	| O				
9+ 0	3.3689	3.38	| O				
9+ 5	3.5363	3.55	| O				
9+10	4.1001	4.14	| O				
9+15	4.3902	4.41	| O				
9+20	4.5896	4.60	| O				
9+25	4.9352	4.96	| O				
9+30	5.1176	5.13	| O				
9+35	5.2746	5.29	| O				
9+40	5.6038	5.63	| O				
9+45	5.7788	5.79	| O				
9+50	5.9308	5.94	| O				
9+55	6.2561	6.28	| O				
10+ 0	6.4643	6.48	| O				
10+ 5	6.5386	6.54	| O				
10+10	5.8315	5.77	| O				
10+15	6.1005	6.13	| O				
10+20	6.7393	6.79	| O				
10+25	7.4607	7.51	| O				
10+30	8.1967	8.25	| O				
10+35	9.1611	9.23	| O				
10+40	11.1355	11.29	| O				
10+45	12.5699	12.67	| O				
10+50	13.7688	13.86	| O				
10+55	14.8850	14.97	| O				
11+ 0	15.9375	16.02	| O				
11+ 5	16.8981	16.97	| O				
11+10	17.6063	17.66	| O				
11+15	18.3726	18.43	| O				
11+20	19.1410	19.20	| O				

| | | |

21+35	5.1324	5.12	O				
21+40	5.0696	5.07	O				
21+45	4.9978	4.99	O				
21+50	4.9197	4.91	O				
21+55	4.8027	4.79	O				
22+ 0	4.7040	4.70	O				
22+ 5	4.6201	4.61	O				
22+10	4.5833	4.58	O				
22+15	4.5361	4.53	O				
22+20	4.4815	4.48	O				
22+25	4.3868	4.38	O				
22+30	4.3091	4.30	O				
22+35	4.2339	4.23	O				
22+40	4.1581	4.15	O				
22+45	4.0832	4.08	O				
22+50	4.0099	4.00	O				
22+55	3.9393	3.93	O				
23+ 0	3.8720	3.87	O				
23+ 5	3.8079	3.80	O				
23+10	3.7469	3.74	O				
23+15	3.6890	3.68	O				
23+20	3.6340	3.63	O				
23+25	3.5817	3.58	O				
23+30	3.5321	3.53	O				
23+35	3.4850	3.48	O				
23+40	3.4403	3.44	O				
23+45	3.3979	3.39	O				
23+50	3.3576	3.35	O				
23+55	3.3194	3.32	O				
24+ 0	3.2831	3.28	O				
24+ 5	3.2260	3.22	O				
24+10	3.0772	3.07	O				
24+15	2.9545	2.95	O				
24+20	2.8308	2.82	O				
24+25	2.7023	2.69	O				
24+30	2.5739	2.56	O				
24+35	2.4474	2.44	O				
24+40	2.3247	2.32	O				
24+45	2.2078	2.20	O				
24+50	2.0962	2.09	O				
24+55	1.9901	1.98	O				
25+ 0	1.8948	1.89	O				
25+ 5	1.8291	1.82	O				
25+10	1.7967	1.79	O				
25+15	1.7811	1.78	O				
25+20	1.7733	1.77	O				
25+25	1.7692	1.77	O				
25+30	1.7668	1.77	O				
25+35	1.7652	1.77	O				
25+40	1.7639	1.76	O				
25+45	1.7628	1.76	O				
25+50	1.7618	1.76	O				
25+55	1.7608	1.76	O				
26+ 0	1.7599	1.76	O				
26+ 5	1.7589	1.76	O				
26+10	1.7580	1.76	O				
26+15	1.7571	1.76	O				
26+20	1.7561	1.76	O				
26+25	1.7552	1.76	O				
26+30	1.7543	1.75	O				
26+35	1.7534	1.75	O				
26+40	1.7524	1.75	O				
26+45	1.7515	1.75	O				
26+50	1.7506	1.75	O				
26+55	1.7496	1.75	O				
27+ 0	1.7487	1.75	O				
27+ 5	1.7478	1.75	O				
27+10	1.7468	1.75	O				
27+15	1.7459	1.75	O				
27+20	1.7450	1.74	O				
27+25	1.7441	1.74	O				
27+30	1.7431	1.74	O				
27+35	1.7422	1.74	O				
27+40	1.7413	1.74	O				
27+45	1.7404	1.74	O				
27+50	1.7394	1.74	O				
27+55	1.7385	1.74	O				
28+ 0	1.7376	1.74	O				
28+ 5	1.7367	1.74	O				
28+10	1.7358	1.74	O				
28+15	1.7348	1.73	O				
28+20	1.7339	1.73	O				
28+25	1.7330	1.73	O				
28+30	1.7321	1.73	O				
28+35	1.7312	1.73	O				
28+40	1.7302	1.73	O				
28+45	1.7293	1.73	O				
28+50	1.7284	1.73	O				
28+55	1.7275	1.73	O				
29+ 0	1.7266	1.73	O				
29+ 5	1.7257	1.73	O				
29+10	1.7247	1.72	O				
29+15	1.7238	1.72	O				
29+20	1.7229	1.72	O				
29+25	1.7220	1.72	O				
29+30	1.7211	1.72	O				
29+35	1.7202	1.72	O				
29+40	1.7193	1.72	O				
29+45	1.7183	1.72	O				
29+50	1.7174	1.72	O				
29+55	1.7165	1.72	O				
30+ 0	1.7156	1.72	O				
30+ 5	1.7147	1.71	O				
30+10	1.7138	1.71	O				
30+15	1.7129	1.71	O				
30+20	1.7120	1.71	O				
30+25	1.7111	1.71	O				
30+30	1.7101	1.71	O				
30+35	1.7092	1.71	O				
30+40	1.7083	1.71	O				
30+45	1.7074	1.71	O				
30+50	1.7065	1.71	O				
30+55	1.7056	1.71	O				
31+ 0	1.7047	1.70	O				
31+ 5	1.7038	1.70	O				
31+10	1.7029	1.70	O				
31+15	1.7020	1.70	O				
31+20	1.7011	1.70	O				
31+25	1.7002	1.70	O				
31+30	1.6993	1.70	O				
31+35	1.6984	1.70	O				
31+40	1.6975	1.70	O				

31+45	1.6966	1.70	O				
31+50	1.6957	1.70	O				
31+55	1.6948	1.69	O				
32+ 0	1.6939	1.69	O				
32+ 5	1.6930	1.69	O				
32+10	1.6921	1.69	O				
32+15	1.6912	1.69	O				
32+20	1.6902	1.69	O				
32+25	1.6892	1.69	O				
32+30	1.6882	1.69	O				
32+35	1.6871	1.69	O				
32+40	1.6861	1.69	O				
32+45	1.6850	1.68	O				
32+50	1.6839	1.68	O				
32+55	1.6829	1.68	O				
33+ 0	1.6818	1.68	O				
33+ 5	1.6807	1.68	O				
33+10	1.6797	1.68	O				
33+15	1.6786	1.68	O				
33+20	1.6775	1.68	O				
33+25	1.6765	1.68	O				
33+30	1.6754	1.68	O				
33+35	1.6743	1.67	O				
33+40	1.6733	1.67	O				
33+45	1.6722	1.67	O				
33+50	1.6712	1.67	O				
33+55	1.6701	1.67	O				
34+ 0	1.6690	1.67	O				
34+ 5	1.6680	1.67	O				
34+10	1.6669	1.67	O				
34+15	1.6659	1.67	O				
34+20	1.6648	1.66	O				
34+25	1.6638	1.66	O				
34+30	1.6627	1.66	O				
34+35	1.6616	1.66	O				
34+40	1.6606	1.66	O				
34+45	1.6595	1.66	O				
34+50	1.6585	1.66	O				
34+55	1.6574	1.66	O				
35+ 0	1.6564	1.66	O				
35+ 5	1.6553	1.66	O				
35+10	1.6543	1.65	O				
35+15	1.6532	1.65	O				
35+20	1.6522	1.65	O				
35+25	1.6511	1.65	O				
35+30	1.6501	1.65	O				
35+35	1.6490	1.65	O				
35+40	1.6480	1.65	O				
35+45	1.6470	1.65	O				
35+50	1.6459	1.65	O				
35+55	1.6449	1.64	O				
36+ 0	1.6438	1.64	O				
36+ 5	1.6428	1.64	O				
36+10	1.6417	1.64	O				
36+15	1.6407	1.64	O				
36+20	1.6397	1.64	O				
36+25	1.6386	1.64	O				
36+30	1.6376	1.64	O				
36+35	1.6365	1.64	O				
36+40	1.6355	1.64	O				
36+45	1.6345	1.63	O				
36+50	1.6334	1.63	O				
36+55	1.6324	1.63	O				
37+ 0	1.6314	1.63	O				
37+ 5	1.6303	1.63	O				
37+10	1.6293	1.63	O				
37+15	1.6283	1.63	O				
37+20	1.6272	1.63	O				
37+25	1.6262	1.63	O				
37+30	1.6252	1.63	O				
37+35	1.6241	1.62	O				
37+40	1.6231	1.62	O				
37+45	1.6221	1.62	O				
37+50	1.6210	1.62	O				
37+55	1.6200	1.62	O				
38+ 0	1.6190	1.62	O				
38+ 5	1.6180	1.62	O				
38+10	1.6169	1.62	O				
38+15	1.6159	1.62	O				
38+20	1.6149	1.61	O				
38+25	1.6139	1.61	O				
38+30	1.6128	1.61	O				
38+35	1.6118	1.61	O				
38+40	1.6108	1.61	O				
38+45	1.6098	1.61	O				
38+50	1.6087	1.61	O				
38+55	1.6077	1.61	O				
39+ 0	1.6067	1.61	O				
39+ 5	1.6057	1.61	O				
39+10	1.6047	1.60	O				
39+15	1.6036	1.60	O				
39+20	1.6026	1.60	O				
39+25	1.6016	1.60	O				
39+30	1.6006	1.60	O				
39+35	1.5995	1.60	O				
39+40	1.5983	1.60	O				
39+45	1.5971	1.60	O				
39+50	1.5960	1.60	O				
39+55	1.5948	1.59	O				
40+ 0	1.5936	1.59	O				
40+ 5	1.5924	1.59	O				
40+10	1.5913	1.59	O				
40+15	1.5901	1.59	O				
40+20	1.5889	1.59	O				
40+25	1.5877	1.59	O				
40+30	1.5866	1.59	O				
40+35	1.5854	1.59	O				
40+40	1.5842	1.58	O				
40+45	1.5831	1.58	O				
40+50	1.5819	1.58	O				
40+55	1.5807	1.58	O				
41+ 0	1.5796	1.58	O				
41+ 5	1.5784	1.58	O				
41+10	1.5772	1.58	O				
41+15	1.5761	1.58	O				
41+20	1.5749	1.57	O				
41+25	1.5737	1.57	O				
41+30	1.5726	1.57	O				
41+35	1.5714	1.57	O				
41+40	1.5703	1.57	O				
41+45	1.5691	1.57	O				
41+50	1.5679	1.57	O				

41+55	1.5668	1.57	O				
42+ 0	1.5656	1.57	O				
42+ 5	1.5645	1.56	O				
42+10	1.5633	1.56	O				
42+15	1.5622	1.56	O				
42+20	1.5610	1.56	O				
42+25	1.5599	1.56	O				
42+30	1.5587	1.56	O				
42+35	1.5576	1.56	O				
42+40	1.5564	1.56	O				
42+45	1.5553	1.56	O				
42+50	1.5541	1.55	O				
42+55	1.5530	1.55	O				
43+ 0	1.5518	1.55	O				
43+ 5	1.5507	1.55	O				
43+10	1.5495	1.55	O				
43+15	1.5484	1.55	O				
43+20	1.5472	1.55	O				
43+25	1.5461	1.55	O				
43+30	1.5450	1.54	O				
43+35	1.5438	1.54	O				
43+40	1.5427	1.54	O				
43+45	1.5415	1.54	O				
43+50	1.5404	1.54	O				
43+55	1.5393	1.54	O				
44+ 0	1.5381	1.54	O				
44+ 5	1.5370	1.54	O				
44+10	1.5359	1.54	O				
44+15	1.5347	1.53	O				
44+20	1.5336	1.53	O				
44+25	1.5325	1.53	O				
44+30	1.5313	1.53	O				
44+35	1.5302	1.53	O				
44+40	1.5291	1.53	O				
44+45	1.5279	1.53	O				
44+50	1.5268	1.53	O				
44+55	1.5257	1.53	O				
45+ 0	1.5246	1.52	O				
45+ 5	1.5234	1.52	O				
45+10	1.5223	1.52	O				
45+15	1.5212	1.52	O				
45+20	1.5201	1.52	O				
45+25	1.5189	1.52	O				
45+30	1.5178	1.52	O				
45+35	1.5167	1.52	O				
45+40	1.5156	1.52	O				
45+45	1.5145	1.51	O				
45+50	1.5133	1.51	O				
45+55	1.5122	1.51	O				
46+ 0	1.5111	1.51	O				
46+ 5	1.5100	1.51	O				
46+10	1.5089	1.51	O				
46+15	1.5078	1.51	O				
46+20	1.5066	1.51	O				
46+25	1.5055	1.51	O				
46+30	1.5044	1.50	O				
46+35	1.5033	1.50	O				
46+40	1.5022	1.50	O				
46+45	1.5011	1.50	O				
46+50	1.5000	1.50	O				
46+55	1.4989	1.50	O				
47+ 0	1.4978	1.50	O				
47+ 5	1.4967	1.50	O				
47+10	1.4956	1.50	O				
47+15	1.4945	1.49	O				
47+20	1.4934	1.49	O				
47+25	1.4923	1.49	O				
47+30	1.4911	1.49	O				
47+35	1.4900	1.49	O				
47+40	1.4889	1.49	O				
47+45	1.4878	1.49	O				
47+50	1.4868	1.49	O				
47+55	1.4857	1.49	O				
48+ 0	1.4846	1.48	O				
48+ 5	1.4835	1.48	O				
48+10	1.4824	1.48	O				
48+15	1.4813	1.48	O				
48+20	1.4802	1.48	O				
48+25	1.4791	1.48	O				
48+30	1.4780	1.48	O				
48+35	1.4769	1.48	O				
48+40	1.4758	1.48	O				
48+45	1.4747	1.47	O				
48+50	1.4736	1.47	O				
48+55	1.4725	1.47	O				
49+ 0	1.4715	1.47	O				
49+ 5	1.4704	1.47	O				
49+10	1.4693	1.47	O				
49+15	1.4682	1.47	O				
49+20	1.4671	1.47	O				
49+25	1.4660	1.47	O				
49+30	1.4650	1.46	O				
49+35	1.4639	1.46	O				
49+40	1.4628	1.46	O				
49+45	1.4617	1.46	O				
49+50	1.4606	1.46	O				
49+55	1.4596	1.46	O				
50+ 0	1.4585	1.46	O				
50+ 5	1.4574	1.46	O				
50+10	1.4563	1.46	O				
50+15	1.4553	1.46	O				
50+20	1.4542	1.45	O				
50+25	1.4531	1.45	O				
50+30	1.4520	1.45	O				
50+35	1.4510	1.45	O				
50+40	1.4499	1.45	O				
50+45	1.4488	1.45	O				
50+50	1.4477	1.45	O				
50+55	1.4467	1.45	O				
51+ 0	1.4456	1.45	O				
51+ 5	1.4445	1.44	O				
51+10	1.4435	1.44	O				
51+15	1.4424	1.44	O				
51+20	1.4413	1.44	O				
51+25	1.4403	1.44	O				
51+30	1.4392	1.44	O				
51+35	1.4382	1.44	O				
51+40	1.4371	1.44	O				
51+45	1.4360	1.44	O				
51+50	1.4350	1.43	O				
51+55	1.4339	1.43	O				
52+ 0	1.4329	1.43	O				

52+ 5	1.4318	1.43	O				
52+10	1.4307	1.43	O				
52+15	1.4297	1.43	O				
52+20	1.4286	1.43	O				
52+25	1.4276	1.43	O				
52+30	1.4265	1.43	O				
52+35	1.4255	1.43	O				
52+40	1.4244	1.42	O				
52+45	1.4234	1.42	O				
52+50	1.4223	1.42	O				
52+55	1.4213	1.42	O				
53+ 0	1.4202	1.42	O				
53+ 5	1.4192	1.42	O				
53+10	1.4181	1.42	O				
53+15	1.4171	1.42	O				
53+20	1.4160	1.42	O				
53+25	1.4150	1.41	O				
53+30	1.4139	1.41	O				
53+35	1.4129	1.41	O				
53+40	1.4119	1.41	O				
53+45	1.4108	1.41	O				
53+50	1.4096	1.41	O				
53+55	1.4083	1.41	O				
54+ 0	1.4070	1.41	O				
54+ 5	1.4057	1.41	O				
54+10	1.4044	1.40	O				
54+15	1.4030	1.40	O				
54+20	1.4017	1.40	O				
54+25	1.4004	1.40	O				
54+30	1.3990	1.40	O				
54+35	1.3977	1.40	O				
54+40	1.3964	1.40	O				
54+45	1.3951	1.39	O				
54+50	1.3937	1.39	O				
54+55	1.3924	1.39	O				
55+ 0	1.3911	1.39	O				
55+ 5	1.3898	1.39	O				
55+10	1.3884	1.39	O				
55+15	1.3871	1.39	O				
55+20	1.3858	1.39	O				
55+25	1.3845	1.38	O				
55+30	1.3832	1.38	O				
55+35	1.3819	1.38	O				
55+40	1.3806	1.38	O				
55+45	1.3793	1.38	O				
55+50	1.3779	1.38	O				
55+55	1.3766	1.38	O				
56+ 0	1.3753	1.38	O				
56+ 5	1.3740	1.37	O				
56+10	1.3727	1.37	O				
56+15	1.3714	1.37	O				
56+20	1.3701	1.37	O				
56+25	1.3688	1.37	O				
56+30	1.3675	1.37	O				
56+35	1.3662	1.37	O				
56+40	1.3649	1.36	O				
56+45	1.3636	1.36	O				
56+50	1.3623	1.36	O				
56+55	1.3610	1.36	O				
57+ 0	1.3598	1.36	O				
57+ 5	1.3585	1.36	O				
57+10	1.3572	1.36	O				
57+15	1.3559	1.36	O				
57+20	1.3546	1.35	O				
57+25	1.3533	1.35	O				
57+30	1.3520	1.35	O				
57+35	1.3507	1.35	O				
57+40	1.3495	1.35	O				
57+45	1.3482	1.35	O				
57+50	1.3469	1.35	O				
57+55	1.3456	1.35	O				
58+ 0	1.3443	1.34	O				
58+ 5	1.3431	1.34	O				
58+10	1.3418	1.34	O				
58+15	1.3405	1.34	O				
58+20	1.3393	1.34	O				
58+25	1.3380	1.34	O				
58+30	1.3367	1.34	O				
58+35	1.3354	1.34	O				
58+40	1.3342	1.33	O				
58+45	1.3329	1.33	O				
58+50	1.3316	1.33	O				
58+55	1.3304	1.33	O				
59+ 0	1.3291	1.33	O				
59+ 5	1.3279	1.33	O				
59+10	1.3266	1.33	O				
59+15	1.3253	1.33	O				
59+20	1.3241	1.32	O				
59+25	1.3228	1.32	O				
59+30	1.3216	1.32	O				
59+35	1.3203	1.32	O				
59+40	1.3191	1.32	O				
59+45	1.3178	1.32	O				
59+50	1.3166	1.32	O				
59+55	1.3153	1.32	O				
60+ 0	1.3141	1.31	O				
60+ 5	1.3128	1.31	O				
60+10	1.3116	1.31	O				
60+15	1.3103	1.31	O				
60+20	1.3091	1.31	O				
60+25	1.3078	1.31	O				
60+30	1.3066	1.31	O				
60+35	1.3054	1.31	O				
60+40	1.3041	1.30	O				
60+45	1.3029	1.30	O				
60+50	1.3016	1.30	O				
60+55	1.3004	1.30	O				
61+ 0	1.2991	1.30	O				
61+ 5	1.2978	1.30	O				
61+10	1.2965	1.30	O				
61+15	1.2951	1.30	O				
61+20	1.2938	1.29	O				
61+25	1.2925	1.29	O				
61+30	1.2912	1.29	O				
61+35	1.2899	1.29	O				
61+40	1.2885	1.29	O				
61+45	1.2872	1.29	O				
61+50	1.2859	1.29	O				
61+55	1.2846	1.28	O				
62+ 0	1.2833	1.28	O				
62+ 5	1.2820	1.28	O				
62+10	1.2807	1.28	O				

62+15	1.2793	1.28	O				
62+20	1.2780	1.28	O				
62+25	1.2767	1.28	O				
62+30	1.2754	1.28	O				
62+35	1.2741	1.27	O				
62+40	1.2728	1.27	O				
62+45	1.2715	1.27	O				
62+50	1.2702	1.27	O				
62+55	1.2689	1.27	O				
63+ 0	1.2676	1.27	O				
63+ 5	1.2663	1.27	O				
63+10	1.2650	1.26	O				
63+15	1.2637	1.26	O				
63+20	1.2625	1.26	O				
63+25	1.2612	1.26	O				
63+30	1.2599	1.26	O				
63+35	1.2586	1.26	O				
63+40	1.2573	1.26	O				
63+45	1.2560	1.26	O				
63+50	1.2547	1.25	O				
63+55	1.2535	1.25	O				
64+ 0	1.2522	1.25	O				
64+ 5	1.2509	1.25	O				
64+10	1.2496	1.25	O				
64+15	1.2483	1.25	O				
64+20	1.2471	1.25	O				
64+25	1.2458	1.25	O				
64+30	1.2445	1.24	O				
64+35	1.2432	1.24	O				
64+40	1.2420	1.24	O				
64+45	1.2407	1.24	O				
64+50	1.2394	1.24	O				
64+55	1.2382	1.24	O				
65+ 0	1.2369	1.24	O				
65+ 5	1.2356	1.24	O				
65+10	1.2344	1.23	O				
65+15	1.2331	1.23	O				
65+20	1.2319	1.23	O				
65+25	1.2306	1.23	O				
65+30	1.2293	1.23	O				
65+35	1.2281	1.23	O				
65+40	1.2268	1.23	O				
65+45	1.2256	1.23	O				
65+50	1.2243	1.22	O				
65+55	1.2231	1.22	O				
66+ 0	1.2218	1.22	O				
66+ 5	1.2206	1.22	O				
66+10	1.2193	1.22	O				
66+15	1.2181	1.22	O				
66+20	1.2168	1.22	O				
66+25	1.2156	1.22	O				
66+30	1.2144	1.21	O				
66+35	1.2131	1.21	O				
66+40	1.2119	1.21	O				
66+45	1.2106	1.21	O				
66+50	1.2094	1.21	O				
66+55	1.2082	1.21	O				
67+ 0	1.2069	1.21	O				
67+ 5	1.2057	1.21	O				
67+10	1.2045	1.20	O				
67+15	1.2032	1.20	O				
67+20	1.2020	1.20	O				
67+25	1.2008	1.20	O				
67+30	1.1995	1.20	O				
67+35	1.1983	1.20	O				
67+40	1.1971	1.20	O				
67+45	1.1959	1.20	O				
67+50	1.1946	1.19	O				
67+55	1.1934	1.19	O				
68+ 0	1.1922	1.19	O				
68+ 5	1.1909	1.19	O				
68+10	1.1894	1.19	O				
68+15	1.1878	1.19	O				
68+20	1.1861	1.19	O				
68+25	1.1844	1.18	O				
68+30	1.1827	1.18	O				
68+35	1.1810	1.18	O				
68+40	1.1793	1.18	O				
68+45	1.1775	1.18	O				
68+50	1.1758	1.18	O				
68+55	1.1741	1.17	O				
69+ 0	1.1724	1.17	O				
69+ 5	1.1707	1.17	O				
69+10	1.1689	1.17	O				
69+15	1.1672	1.17	O				
69+20	1.1655	1.17	O				
69+25	1.1638	1.16	O				
69+30	1.1621	1.16	O				
69+35	1.1604	1.16	O				
69+40	1.1587	1.16	O				
69+45	1.1570	1.16	O				
69+50	1.1553	1.16	O				
69+55	1.1536	1.15	O				
70+ 0	1.1519	1.15	O				
70+ 5	1.1502	1.15	O				
70+10	1.1486	1.15	O				
70+15	1.1469	1.15	O				
70+20	1.1452	1.15	O				
70+25	1.1435	1.14	O				
70+30	1.1419	1.14	O				
70+35	1.1402	1.14	O				
70+40	1.1385	1.14	O				
70+45	1.1368	1.14	O				
70+50	1.1352	1.14	O				
70+55	1.1335	1.13	O				
71+ 0	1.1319	1.13	O				
71+ 5	1.1302	1.13	O				
71+10	1.1285	1.13	O				
71+15	1.1269	1.13	O				
71+20	1.1252	1.13	O				
71+25	1.1236	1.12	O				
71+30	1.1219	1.12	O				
71+35	1.1203	1.12	O				
71+40	1.1187	1.12	O				
71+45	1.1170	1.12	O				
71+50	1.1154	1.12	O				
71+55	1.1138	1.11	O				
72+ 0	1.1121	1.11	O				
72+ 5	1.1105	1.11	O				
72+10	1.1089	1.11	O				
72+15	1.1072	1.11	O				
72+20	1.1056	1.11	O				

72+25	1.1040	1.10	O					77+30	1.0096	1.01	O				
72+30	1.1024	1.10	O					77+35	1.0081	1.01	O				
72+35	1.1008	1.10	O					77+40	1.0067	1.01	O				
72+40	1.0992	1.10	O					77+45	1.0052	1.01	O				
72+45	1.0976	1.10	O					77+50	1.0037	1.00	O				
72+50	1.0959	1.10	O					77+55	1.0022	1.00	O				
72+55	1.0943	1.09	O					78+ 0	1.0008	1.00	O				
73+ 0	1.0927	1.09	O					78+ 5	0.9993	1.00	O				
73+ 5	1.0911	1.09	O					78+10	0.9978	1.00	O				
73+10	1.0895	1.09	O					78+15	0.9964	1.00	O				
73+15	1.0879	1.09	O					78+20	0.9949	0.99	O				
73+20	1.0864	1.09	O					78+25	0.9935	0.99	O				
73+25	1.0848	1.08	O					78+30	0.9920	0.99	O				
73+30	1.0832	1.08	O					78+35	0.9906	0.99	O				
73+35	1.0816	1.08	O					78+40	0.9891	0.99	O				
73+40	1.0800	1.08	O					78+45	0.9877	0.99	O				
73+45	1.0784	1.08	O					78+50	0.9862	0.99	O				
73+50	1.0768	1.08	O					78+55	0.9848	0.98	O				
73+55	1.0753	1.08	O					79+ 0	0.9833	0.98	O				
74+ 0	1.0737	1.07	O					79+ 5	0.9819	0.98	O				
74+ 5	1.0721	1.07	O					79+10	0.9804	0.98	O				
74+10	1.0706	1.07	O					79+15	0.9790	0.98	O				
74+15	1.0690	1.07	O					79+20	0.9776	0.98	O				
74+20	1.0674	1.07	O					79+25	0.9761	0.98	O				
74+25	1.0659	1.07	O					79+30	0.9747	0.97	O				
74+30	1.0643	1.06	O					79+35	0.9733	0.97	O				
74+35	1.0627	1.06	O					79+40	0.9719	0.97	O				
74+40	1.0612	1.06	O					79+45	0.9704	0.97	O				
74+45	1.0596	1.06	O					79+50	0.9690	0.97	O				
74+50	1.0581	1.06	O					79+55	0.9676	0.97	O				
74+55	1.0565	1.06	O					80+ 0	0.9662	0.97	O				
75+ 0	1.0550	1.05	O					80+ 5	0.9648	0.96	O				
75+ 5	1.0534	1.05	O					80+10	0.9634	0.96	O				
75+10	1.0519	1.05	O					80+15	0.9619	0.96	O				
75+15	1.0504	1.05	O					80+20	0.9605	0.96	O				
75+20	1.0488	1.05	O					80+25	0.9591	0.96	O				
75+25	1.0473	1.05	O					80+30	0.9577	0.96	O				
75+30	1.0457	1.05	O					80+35	0.9563	0.96	O				
75+35	1.0442	1.04	O					80+40	0.9549	0.95	O				
75+40	1.0427	1.04	O					80+45	0.9535	0.95	O				
75+45	1.0412	1.04	O					80+50	0.9521	0.95	O				
75+50	1.0396	1.04	O					80+55	0.9507	0.95	O				
75+55	1.0381	1.04	O					81+ 0	0.9493	0.95	O				
76+ 0	1.0366	1.04	O					81+ 5	0.9480	0.95	O				
76+ 5	1.0351	1.03	O					81+10	0.9466	0.95	O				
76+10	1.0336	1.03	O					81+15	0.9452	0.95	O				
76+15	1.0320	1.03	O					81+20	0.9438	0.94	O				
76+20	1.0305	1.03	O					81+25	0.9424	0.94	O				
76+25	1.0290	1.03	O					81+30	0.9410	0.94	O				
76+30	1.0275	1.03	O					81+35	0.9397	0.94	O				
76+35	1.0260	1.03	O					81+40	0.9383	0.94	O				
76+40	1.0245	1.02	O					81+45	0.9369	0.94	O				
76+45	1.0230	1.02	O					81+50	0.9355	0.94	O				
76+50	1.0215	1.02	O					81+55	0.9342	0.93	O				
76+55	1.0200	1.02	O					82+ 0	0.9328	0.93	O				
77+ 0	1.0185	1.02	O					82+ 5	0.9314	0.93	O				
77+ 5	1.0170	1.02	O					82+10	0.9301	0.93	O				
77+10	1.0155	1.02	O					82+15	0.9287	0.93	O				
77+15	1.0141	1.01	O					82+20	0.9273	0.93	O				
77+20	1.0126	1.01	O					82+25	0.9260	0.93	O				
77+25	1.0111	1.01	O					82+30	0.9246	0.92	O				

82+35	0.9233	0.92	O				
82+40	0.9219	0.92	O				
82+45	0.9206	0.92	O				
82+50	0.9192	0.92	O				
82+55	0.9179	0.92	O				
83+ 0	0.9165	0.92	O				
83+ 5	0.9152	0.92	O				
83+10	0.9139	0.91	O				
83+15	0.9125	0.91	O				
83+20	0.9111	0.91	O				
83+25	0.9093	0.91	O				
83+30	0.9072	0.91	O				
83+35	0.9050	0.90	O				
83+40	0.9027	0.90	O				
83+45	0.9004	0.90	O				
83+50	0.8982	0.90	O				
83+55	0.8959	0.90	O				
84+ 0	0.8936	0.89	O				
84+ 5	0.8913	0.89	O				
84+10	0.8890	0.89	O				
84+15	0.8867	0.89	O				
84+20	0.8845	0.88	O				
84+25	0.8822	0.88	O				
84+30	0.8800	0.88	O				
84+35	0.8777	0.88	O				
84+40	0.8755	0.88	O				
84+45	0.8732	0.87	O				
84+50	0.8710	0.87	O				
84+55	0.8688	0.87	O				
85+ 0	0.8665	0.87	O				
85+ 5	0.8643	0.86	O				
85+10	0.8621	0.86	O				
85+15	0.8599	0.86	O				
85+20	0.8577	0.86	O				
85+25	0.8555	0.86	O				
85+30	0.8533	0.85	O				
85+35	0.8512	0.85	O				
85+40	0.8490	0.85	O				
85+45	0.8468	0.85	O				
85+50	0.8446	0.84	O				
85+55	0.8425	0.84	O				
86+ 0	0.8403	0.84	O				
86+ 5	0.8382	0.84	O				
86+10	0.8360	0.84	O				
86+15	0.8339	0.83	O				
86+20	0.8318	0.83	O				
86+25	0.8296	0.83	O				
86+30	0.8275	0.83	O				
86+35	0.8254	0.83	O				
86+40	0.8233	0.82	O				
86+45	0.8212	0.82	O				
86+50	0.8191	0.82	O				
86+55	0.8170	0.82	O				
87+ 0	0.8149	0.81	O				
87+ 5	0.8128	0.81	O				
87+10	0.8107	0.81	O				
87+15	0.8087	0.81	O				
87+20	0.8066	0.81	O				
87+25	0.8045	0.80	O				
87+30	0.8025	0.80	O				
87+35	0.8004	0.80	O				
87+40	0.7984	0.80	O				
87+45	0.7963	0.80	O				
87+50	0.7943	0.79	O				
87+55	0.7923	0.79	O				
88+ 0	0.7903	0.79	O				
88+ 5	0.7882	0.79	O				
88+10	0.7862	0.79	O				
88+15	0.7842	0.78	O				
88+20	0.7822	0.78	O				
88+25	0.7802	0.78	O				
88+30	0.7782	0.78	O				
88+35	0.7762	0.78	O				
88+40	0.7742	0.77	O				
88+45	0.7723	0.77	O				
88+50	0.7703	0.77	O				
88+55	0.7683	0.77	O				
89+ 0	0.7663	0.77	O				
89+ 5	0.7644	0.76	O				
89+10	0.7624	0.76	O				
89+15	0.7605	0.76	O				
89+20	0.7585	0.76	O				
89+25	0.7566	0.76	O				
89+30	0.7547	0.75	O				
89+35	0.7527	0.75	O				
89+40	0.7508	0.75	O				
89+45	0.7489	0.75	O				
89+50	0.7470	0.75	O				
89+55	0.7451	0.74	O				
90+ 0	0.7432	0.74	O				
90+ 5	0.7413	0.74	O				
90+10	0.7394	0.74	O				
90+15	0.7375	0.74	O				
90+20	0.7356	0.74	O				
90+25	0.7337	0.73	O				
90+30	0.7318	0.73	O				
90+35	0.7300	0.73	O				
90+40	0.7281	0.73	O				
90+45	0.7262	0.73	O				
90+50	0.7244	0.72	O				
90+55	0.7225	0.72	O				
91+ 0	0.7207	0.72	O				
91+ 5	0.7188	0.72	O				
91+10	0.7170	0.72	O				
91+15	0.7152	0.72	O				
91+20	0.7133	0.71	O				
91+25	0.7115	0.71	O				
91+30	0.7097	0.71	O				
91+35	0.7079	0.71	O				
91+40	0.7061	0.71	O				
91+45	0.7043	0.70	O				
91+50	0.7025	0.70	O				
91+55	0.7007	0.70	O				
92+ 0	0.6989	0.70	O				
92+ 5	0.6971	0.70	O				
92+10	0.6953	0.70	O				
92+15	0.6935	0.69	O				
92+20	0.6918	0.69	O				
92+25	0.6900	0.69	O				
92+30	0.6882	0.69	O				
92+35	0.6865	0.69	O				
92+40	0.6847	0.68	O				

92+45	0.6830	0.68	O				
92+50	0.6812	0.68	O				
92+55	0.6795	0.68	O				
93+ 0	0.6777	0.68	O				
93+ 5	0.6760	0.68	O				
93+10	0.6743	0.67	O				
93+15	0.6726	0.67	O				
93+20	0.6708	0.67	O				
93+25	0.6691	0.67	O				
93+30	0.6674	0.67	O				
93+35	0.6657	0.67	O				
93+40	0.6640	0.66	O				
93+45	0.6623	0.66	O				
93+50	0.6606	0.66	O				
93+55	0.6589	0.66	O				
94+ 0	0.6572	0.66	O				
94+ 5	0.6556	0.66	O				
94+10	0.6539	0.65	O				
94+15	0.6522	0.65	O				
94+20	0.6505	0.65	O				
94+25	0.6489	0.65	O				
94+30	0.6472	0.65	O				
94+35	0.6456	0.65	O				
94+40	0.6439	0.64	O				
94+45	0.6423	0.64	O				
94+50	0.6406	0.64	O				
94+55	0.6390	0.64	O				
95+ 0	0.6373	0.64	O				
95+ 5	0.6357	0.64	O				
95+10	0.6341	0.63	O				
95+15	0.6325	0.63	O				
95+20	0.6309	0.63	O				
95+25	0.6292	0.63	O				
95+30	0.6276	0.63	O				
95+35	0.6260	0.63	O				
95+40	0.6244	0.62	O				
95+45	0.6228	0.62	O				
95+50	0.6212	0.62	O				
95+55	0.6197	0.62	O				
96+ 0	0.6181	0.62	O				
96+ 5	0.6165	0.62	O				
96+10	0.6149	0.61	O				
96+15	0.6133	0.61	O				
96+20	0.6118	0.61	O				
96+25	0.6102	0.61	O				
96+30	0.6086	0.61	O				
96+35	0.6071	0.61	O				
96+40	0.6055	0.61	O				
96+45	0.6040	0.60	O				
96+50	0.6024	0.60	O				
96+55	0.6009	0.60	O				
97+ 0	0.5994	0.60	O				
97+ 5	0.5978	0.60	O				
97+10	0.5963	0.60	O				
97+15	0.5948	0.59	O				
97+20	0.5933	0.59	O				
97+25	0.5917	0.59	O				
97+30	0.5902	0.59	O				
97+35	0.5887	0.59	O				
97+40	0.5872	0.59	O				
97+45	0.5857	0.59	O				
97+50	0.5842	0.58	O				
97+55	0.5827	0.58	O				
98+ 0	0.5812	0.58	O				
98+ 5	0.5797	0.58	O				
98+10	0.5783	0.58	O				
98+15	0.5768	0.58	O				
98+20	0.5753	0.58	O				
98+25	0.5738	0.57	O				
98+30	0.5724	0.57	O				
98+35	0.5709	0.57	O				
98+40	0.5695	0.57	O				
98+45	0.5680	0.57	O				
98+50	0.5665	0.57	O				
98+55	0.5651	0.56	O				
99+ 0	0.5637	0.56	O				
99+ 5	0.5622	0.56	O				
99+10	0.5608	0.56	O				
99+15	0.5593	0.56	O				
99+20	0.5579	0.56	O				
99+25	0.5565	0.56	O				
99+30	0.5551	0.55	O				
99+35	0.5536	0.55	O				
99+40	0.5522	0.55	O				
99+45	0.5508	0.55	O				
99+50	0.5494	0.55	O				
99+55	0.5480	0.55	O				
100+ 0	0.5466	0.55	O				
100+ 5	0.5452	0.55	O				
100+10	0.5438	0.54	O				
100+15	0.5424	0.54	O				
100+20	0.5410	0.54	O				
100+25	0.5396	0.54	O				
100+30	0.5383	0.54	O				
100+35	0.5369	0.54	O				
100+40	0.5355	0.54	O				
100+45	0.5341	0.53	O				
100+50	0.5328	0.53	O				
100+55	0.5314	0.53	O				
101+ 0	0.5301	0.53	O				
101+ 5	0.5287	0.53	O				
101+10	0.5274	0.53	O				
101+15	0.5260	0.53	O				
101+20	0.5247	0.52	O				
101+25	0.5233	0.52	O				
101+30	0.5220	0.52	O				
101+35	0.5206	0.52	O				
101+40	0.5193	0.52	O				
101+45	0.5180	0.52	O				
101+50	0.5167	0.52	O				
101+55	0.5153	0.52	O				
102+ 0	0.5140	0.51	O				
102+ 5	0.5127	0.51	O				
102+10	0.5114	0.51	O				
102+15	0.5101	0.51	O				
102+20	0.5088	0.51	O				
102+25	0.5075	0.51	O				
102+30	0.5062	0.51	O				
102+35	0.5049	0.50	O				
102+40	0.5036	0.50	O				
102+45	0.5023	0.50	O				
102+50	0.5008	0.50	O				

102+55	0.4983	0.50	O				
103+ 0	0.4952	0.50	O				
103+ 5	0.4919	0.49	O				
103+10	0.4885	0.49	O				
103+15	0.4850	0.48	O				
103+20	0.4815	0.48	O				
103+25	0.4781	0.48	O				
103+30	0.4746	0.47	O				
103+35	0.4712	0.47	O				
103+40	0.4678	0.47	O				
103+45	0.4644	0.46	O				
103+50	0.4610	0.46	O				
103+55	0.4577	0.46	O				
104+ 0	0.4544	0.45	O				
104+ 5	0.4511	0.45	O				
104+10	0.4479	0.45	O				
104+15	0.4446	0.44	O				
104+20	0.4414	0.44	O				
104+25	0.4382	0.44	O				
104+30	0.4351	0.43	O				
104+35	0.4319	0.43	O				
104+40	0.4288	0.43	O				
104+45	0.4257	0.43	O				
104+50	0.4226	0.42	O				
104+55	0.4196	0.42	O				
105+ 0	0.4166	0.42	O				
105+ 5	0.4135	0.41	O				
105+10	0.4106	0.41	O				
105+15	0.4076	0.41	O				
105+20	0.4046	0.40	O				
105+25	0.4017	0.40	O				
105+30	0.3988	0.40	O				
105+35	0.3959	0.40	O				
105+40	0.3931	0.39	O				
105+45	0.3902	0.39	O				
105+50	0.3874	0.39	O				
105+55	0.3846	0.38	O				
106+ 0	0.3818	0.38	O				
106+ 5	0.3791	0.38	O				
106+10	0.3763	0.38	O				
106+15	0.3736	0.37	O				
106+20	0.3709	0.37	O				
106+25	0.3683	0.37	O				
106+30	0.3656	0.37	O				
106+35	0.3630	0.36	O				
106+40	0.3603	0.36	O				
106+45	0.3577	0.36	O				
106+50	0.3551	0.35	O				
106+55	0.3526	0.35	O				
107+ 0	0.3500	0.35	O				
107+ 5	0.3475	0.35	O				
107+10	0.3450	0.34	O				
107+15	0.3425	0.34	O				
107+20	0.3400	0.34	O				
107+25	0.3376	0.34	O				
107+30	0.3351	0.33	O				
107+35	0.3327	0.33	O				
107+40	0.3303	0.33	O				
107+45	0.3279	0.33	O				
107+50	0.3256	0.33	O				
107+55	0.3232	0.32	O				
108+ 0	0.3209	0.32	O				
108+ 5	0.3185	0.32	O				
108+10	0.3162	0.32	O				
108+15	0.3140	0.31	O				
108+20	0.3117	0.31	O				
108+25	0.3094	0.31	O				
108+30	0.3072	0.31	O				
108+35	0.3050	0.30	O				
108+40	0.3028	0.30	O				
108+45	0.3006	0.30	O				
108+50	0.2984	0.30	O				
108+55	0.2963	0.30	O				
109+ 0	0.2941	0.29	O				
109+ 5	0.2920	0.29	O				
109+10	0.2899	0.29	O				
109+15	0.2878	0.29	O				
109+20	0.2857	0.29	O				
109+25	0.2837	0.28	O				
109+30	0.2816	0.28	O				
109+35	0.2796	0.28	O				
109+40	0.2776	0.28	O				
109+45	0.2756	0.28	O				
109+50	0.2736	0.27	O				
109+55	0.2716	0.27	O				
110+ 0	0.2696	0.27	O				
110+ 5	0.2677	0.27	O				
110+10	0.2657	0.27	O				
110+15	0.2638	0.26	O				
110+20	0.2619	0.26	O				
110+25	0.2600	0.26	O				
110+30	0.2581	0.26	O				
110+35	0.2563	0.26	O				
110+40	0.2544	0.25	O				
110+45	0.2526	0.25	O				
110+50	0.2508	0.25	O				
110+55	0.2490	0.25	O				
111+ 0	0.2472	0.25	O				
111+ 5	0.2454	0.25	O				
111+10	0.2436	0.24	O				
111+15	0.2418	0.24	O				
111+20	0.2401	0.24	O				
111+25	0.2384	0.24	O				
111+30	0.2366	0.24	O				
111+35	0.2349	0.23	O				
111+40	0.2332	0.23	O				
111+45	0.2315	0.23	O				
111+50	0.2299	0.23	O				
111+55	0.2282	0.23	O				
112+ 0	0.2266	0.23	O				
112+ 5	0.2249	0.22	O				
112+10	0.2233	0.22	O				
112+15	0.2217	0.22	O				
112+20	0.2201	0.22	O				
112+25	0.2185	0.22	O				
112+30	0.2169	0.22	O				
112+35	0.2154	0.22	O				
112+40	0.2138	0.21	O				
112+45	0.2123	0.21	O				
112+50	0.2107	0.21	O				
112+55	0.2092	0.21	O				
113+ 0	0.2077	0.21	O				

113+ 5	0.2062	0.21	O					118+10	0.1325	0.13	O				
113+10	0.2047	0.20	O					118+15	0.1315	0.13	O				
113+15	0.2032	0.20	O					118+20	0.1306	0.13	O				
113+20	0.2018	0.20	O					118+25	0.1296	0.13	O				
113+25	0.2003	0.20	O					118+30	0.1287	0.13	O				
113+30	0.1989	0.20	O					118+35	0.1278	0.13	O				
113+35	0.1974	0.20	O					118+40	0.1269	0.13	O				
113+40	0.1960	0.20	O					118+45	0.1259	0.13	O				
113+45	0.1946	0.19	O					118+50	0.1250	0.12	O				
113+50	0.1932	0.19	O					118+55	0.1241	0.12	O				
113+55	0.1918	0.19	O					119+ 0	0.1232	0.12	O				
114+ 0	0.1904	0.19	O					119+ 5	0.1223	0.12	O				
114+ 5	0.1890	0.19	O					119+10	0.1215	0.12	O				
114+10	0.1876	0.19	O					119+15	0.1206	0.12	O				
114+15	0.1863	0.19	O					119+20	0.1197	0.12	O				
114+20	0.1849	0.18	O					119+25	0.1188	0.12	O				
114+25	0.1836	0.18	O					119+30	0.1180	0.12	O				
114+30	0.1823	0.18	O					119+35	0.1171	0.12	O				
114+35	0.1810	0.18	O					119+40	0.1163	0.12	O				
114+40	0.1797	0.18	O					119+45	0.1154	0.12	O				
114+45	0.1784	0.18	O					119+50	0.1146	0.11	O				
114+50	0.1771	0.18	O					119+55	0.1138	0.11	O				
114+55	0.1758	0.18	O					120+ 0	0.1130	0.11	O				
115+ 0	0.1745	0.17	O					120+ 5	0.1122	0.11	O				
115+ 5	0.1733	0.17	O					120+10	0.1113	0.11	O				
115+10	0.1720	0.17	O					120+15	0.1105	0.11	O				
115+15	0.1708	0.17	O					120+20	0.1097	0.11	O				
115+20	0.1695	0.17	O					120+25	0.1089	0.11	O				
115+25	0.1683	0.17	O					120+30	0.1082	0.11	O				
115+30	0.1671	0.17	O					120+35	0.1074	0.11	O				
115+35	0.1659	0.17	O					120+40	0.1066	0.11	O				
115+40	0.1647	0.16	O					120+45	0.1058	0.11	O				
115+45	0.1635	0.16	O					120+50	0.1051	0.11	O				
115+50	0.1623	0.16	O					120+55	0.1043	0.10	O				
115+55	0.1611	0.16	O					121+ 0	0.1036	0.10	O				
116+ 0	0.1600	0.16	O					121+ 5	0.1028	0.10	O				
116+ 5	0.1588	0.16	O					121+10	0.1021	0.10	O				
116+10	0.1577	0.16	O					121+15	0.1013	0.10	O				
116+15	0.1565	0.16	O					121+20	0.1006	0.10	O				
116+20	0.1554	0.16	O					121+25	0.0999	0.10	O				
116+25	0.1543	0.15	O					121+30	0.0991	0.10	O				
116+30	0.1532	0.15	O					121+35	0.0984	0.10	O				
116+35	0.1521	0.15	O					121+40	0.0977	0.10	O				
116+40	0.1510	0.15	O					121+45	0.0970	0.10	O				
116+45	0.1499	0.15	O					121+50	0.0963	0.10	O				
116+50	0.1488	0.15	O					121+55	0.0956	0.10	O				
116+55	0.1477	0.15	O					122+ 0	0.0949	0.09	O				
117+ 0	0.1467	0.15	O					122+ 5	0.0942	0.09	O				
117+ 5	0.1456	0.15	O					122+10	0.0936	0.09	O				
117+10	0.1445	0.14	O					122+15	0.0929	0.09	O				
117+15	0.1435	0.14	O					122+20	0.0922	0.09	O				
117+20	0.1425	0.14	O					122+25	0.0915	0.09	O				
117+25	0.1414	0.14	O					122+30	0.0909	0.09	O				
117+30	0.1404	0.14	O					122+35	0.0902	0.09	O				
117+35	0.1394	0.14	O					122+40	0.0896	0.09	O				
117+40	0.1384	0.14	O					122+45	0.0889	0.09	O				
117+45	0.1374	0.14	O					122+50	0.0883	0.09	O				
117+50	0.1364	0.14	O					122+55	0.0877	0.09	O				
117+55	0.1354	0.14	O					123+ 0	0.0870	0.09	O				
118+ 0	0.1344	0.13	O					123+ 5	0.0864	0.09	O				
118+ 5	0.1335	0.13	O					123+10	0.0858	0.09	O				

123+15	0.0851	0.09	O				
123+20	0.0845	0.08	O				
123+25	0.0839	0.08	O				
123+30	0.0833	0.08	O				
123+35	0.0827	0.08	O				
123+40	0.0821	0.08	O				
123+45	0.0815	0.08	O				
123+50	0.0809	0.08	O				
123+55	0.0803	0.08	O				
124+ 0	0.0798	0.08	O				
124+ 5	0.0792	0.08	O				
124+10	0.0786	0.08	O				
124+15	0.0781	0.08	O				
124+20	0.0775	0.08	O				
124+25	0.0769	0.08	O				
124+30	0.0764	0.08	O				
124+35	0.0758	0.08	O				
124+40	0.0753	0.08	O				
124+45	0.0747	0.07	O				
124+50	0.0742	0.07	O				
124+55	0.0737	0.07	O				
125+ 0	0.0731	0.07	O				
125+ 5	0.0726	0.07	O				
125+10	0.0721	0.07	O				
125+15	0.0715	0.07	O				
125+20	0.0710	0.07	O				
125+25	0.0705	0.07	O				
125+30	0.0700	0.07	O				
125+35	0.0695	0.07	O				
125+40	0.0690	0.07	O				
125+45	0.0685	0.07	O				
125+50	0.0680	0.07	O				
125+55	0.0675	0.07	O				
126+ 0	0.0670	0.07	O				
126+ 5	0.0665	0.07	O				
126+10	0.0661	0.07	O				
126+15	0.0656	0.07	O				
126+20	0.0651	0.07	O				
126+25	0.0646	0.06	O				
126+30	0.0642	0.06	O				
126+35	0.0637	0.06	O				
126+40	0.0633	0.06	O				
126+45	0.0628	0.06	O				
126+50	0.0623	0.06	O				
126+55	0.0619	0.06	O				
127+ 0	0.0614	0.06	O				
127+ 5	0.0610	0.06	O				
127+10	0.0606	0.06	O				
127+15	0.0601	0.06	O				
127+20	0.0597	0.06	O				
127+25	0.0593	0.06	O				
127+30	0.0588	0.06	O				
127+35	0.0584	0.06	O				
127+40	0.0580	0.06	O				
127+45	0.0576	0.06	O				
127+50	0.0571	0.06	O				
127+55	0.0567	0.06	O				
128+ 0	0.0563	0.06	O				
128+ 5	0.0559	0.06	O				
128+10	0.0555	0.06	O				
128+15	0.0551	0.06	O				
128+20	0.0547	0.05	O				
128+25	0.0543	0.05	O				
128+30	0.0539	0.05	O				
128+35	0.0535	0.05	O				
128+40	0.0532	0.05	O				
128+45	0.0528	0.05	O				
128+50	0.0524	0.05	O				
128+55	0.0520	0.05	O				
129+ 0	0.0516	0.05	O				
129+ 5	0.0513	0.05	O				
129+10	0.0509	0.05	O				
129+15	0.0505	0.05	O				
129+20	0.0502	0.05	O				
129+25	0.0498	0.05	O				
129+30	0.0494	0.05	O				
129+35	0.0491	0.05	O				
129+40	0.0487	0.05	O				
129+45	0.0484	0.05	O				
129+50	0.0480	0.05	O				
129+55	0.0477	0.05	O				
130+ 0	0.0473	0.05	O				
130+ 5	0.0470	0.05	O				
130+10	0.0466	0.05	O				
130+15	0.0463	0.05	O				
130+20	0.0460	0.05	O				
130+25	0.0456	0.05	O				
130+30	0.0453	0.05	O				
130+35	0.0450	0.04	O				
130+40	0.0447	0.04	O				
130+45	0.0443	0.04	O				
130+50	0.0440	0.04	O				
130+55	0.0437	0.04	O				
131+ 0	0.0434	0.04	O				
131+ 5	0.0431	0.04	O				
131+10	0.0428	0.04	O				
131+15	0.0425	0.04	O				
131+20	0.0421	0.04	O				
131+25	0.0418	0.04	O				
131+30	0.0415	0.04	O				
131+35	0.0412	0.04	O				
131+40	0.0409	0.04	O				
131+45	0.0406	0.04	O				
131+50	0.0404	0.04	O				
131+55	0.0401	0.04	O				
132+ 0	0.0398	0.04	O				
132+ 5	0.0395	0.04	O				
132+10	0.0392	0.04	O				
132+15	0.0389	0.04	O				
132+20	0.0386	0.04	O				
132+25	0.0384	0.04	O				
132+30	0.0381	0.04	O				
132+35	0.0378	0.04	O				
132+40	0.0375	0.04	O				
132+45	0.0373	0.04	O				
132+50	0.0370	0.04	O				
132+55	0.0367	0.04	O				
133+ 0	0.0365	0.04	O				
133+ 5	0.0362	0.04	O				
133+10	0.0359	0.04	O				
133+15	0.0357	0.04	O				
133+20	0.0354	0.04	O				

133+25	0.0352	0.04	O				
133+30	0.0349	0.03	O				
133+35	0.0347	0.03	O				
133+40	0.0344	0.03	O				
133+45	0.0342	0.03	O				
133+50	0.0339	0.03	O				
133+55	0.0337	0.03	O				
134+ 0	0.0334	0.03	O				
134+ 5	0.0332	0.03	O				
134+10	0.0329	0.03	O				
134+15	0.0327	0.03	O				
134+20	0.0325	0.03	O				
134+25	0.0322	0.03	O				
134+30	0.0320	0.03	O				
134+35	0.0318	0.03	O				
134+40	0.0315	0.03	O				
134+45	0.0313	0.03	O				
134+50	0.0311	0.03	O				
134+55	0.0309	0.03	O				
135+ 0	0.0306	0.03	O				
135+ 5	0.0304	0.03	O				
135+10	0.0302	0.03	O				
135+15	0.0300	0.03	O				
135+20	0.0298	0.03	O				
135+25	0.0295	0.03	O				
135+30	0.0293	0.03	O				
135+35	0.0291	0.03	O				
135+40	0.0289	0.03	O				
135+45	0.0287	0.03	O				
135+50	0.0285	0.03	O				
135+55	0.0283	0.03	O				
136+ 0	0.0281	0.03	O				
136+ 5	0.0279	0.03	O				
136+10	0.0277	0.03	O				
136+15	0.0275	0.03	O				
136+20	0.0273	0.03	O				
136+25	0.0271	0.03	O				
136+30	0.0269	0.03	O				
136+35	0.0267	0.03	O				
136+40	0.0265	0.03	O				
136+45	0.0263	0.03	O				
136+50	0.0261	0.03	O				
136+55	0.0259	0.03	O				
137+ 0	0.0257	0.03	O				
137+ 5	0.0256	0.03	O				
137+10	0.0254	0.03	O				
137+15	0.0252	0.03	O				
137+20	0.0250	0.02	O				
137+25	0.0248	0.02	O				
137+30	0.0246	0.02	O				
137+35	0.0245	0.02	O				
137+40	0.0243	0.02	O				
137+45	0.0241	0.02	O				
137+50	0.0239	0.02	O				
137+55	0.0238	0.02	O				
138+ 0	0.0236	0.02	O				
138+ 5	0.0234	0.02	O				
138+10	0.0233	0.02	O				
138+15	0.0231	0.02	O				
138+20	0.0229	0.02	O				
138+25	0.0228	0.02	O				
138+30	0.0226	0.02	O				
138+35	0.0224	0.02	O				
138+40	0.0223	0.02	O				
138+45	0.0221	0.02	O				
138+50	0.0219	0.02	O				
138+55	0.0218	0.02	O				
139+ 0	0.0216	0.02	O				
139+ 5	0.0215	0.02	O				
139+10	0.0213	0.02	O				
139+15	0.0212	0.02	O				
139+20	0.0210	0.02	O				
139+25	0.0209	0.02	O				
139+30	0.0207	0.02	O				
139+35	0.0206	0.02	O				
139+40	0.0204	0.02	O				
139+45	0.0203	0.02	O				
139+50	0.0201	0.02	O				
139+55	0.0200	0.02	O				

**********HYDROGRAPH DATA**********

Number of intervals = 2093
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 47.622 (CFS)
Total volume = 35.132 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

Process from Point/Station 3.400 to Point/Station 3.400
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

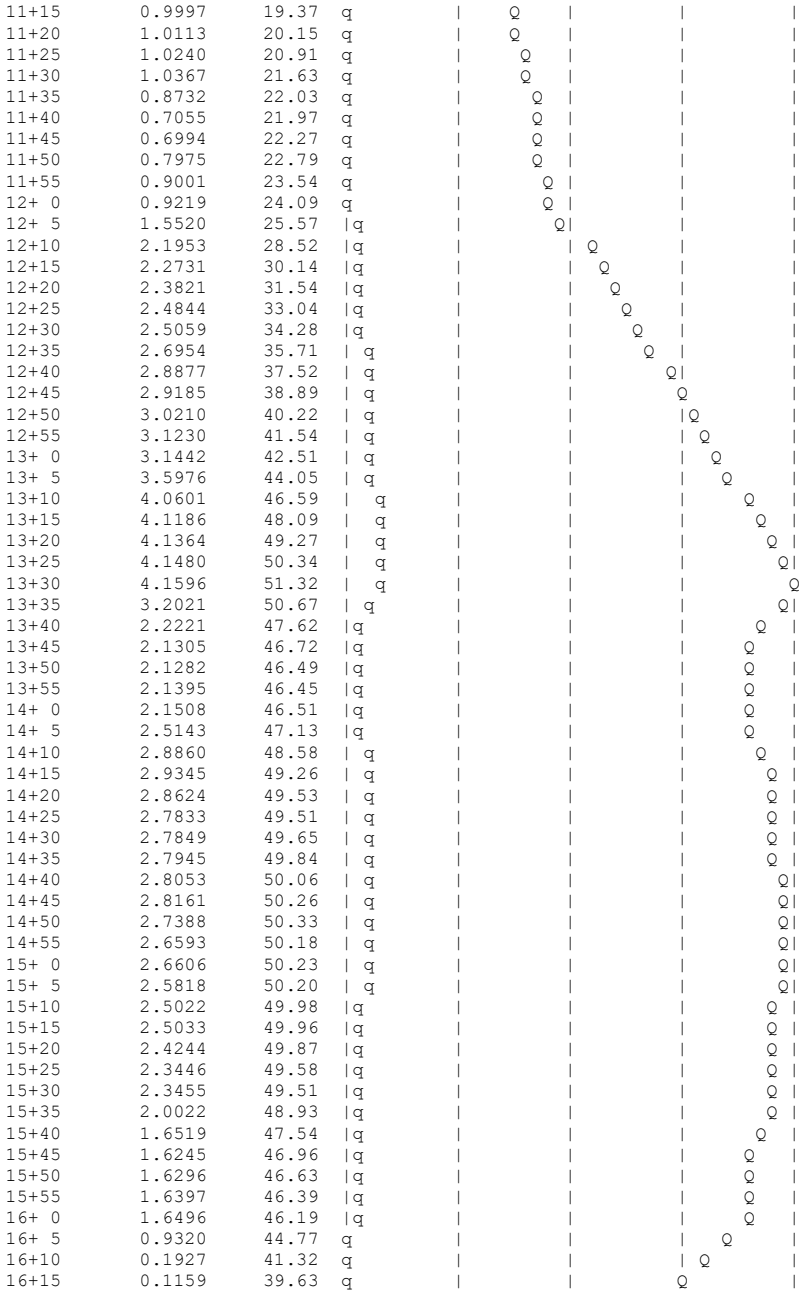
From study/file name: MESAP3C24100.rte

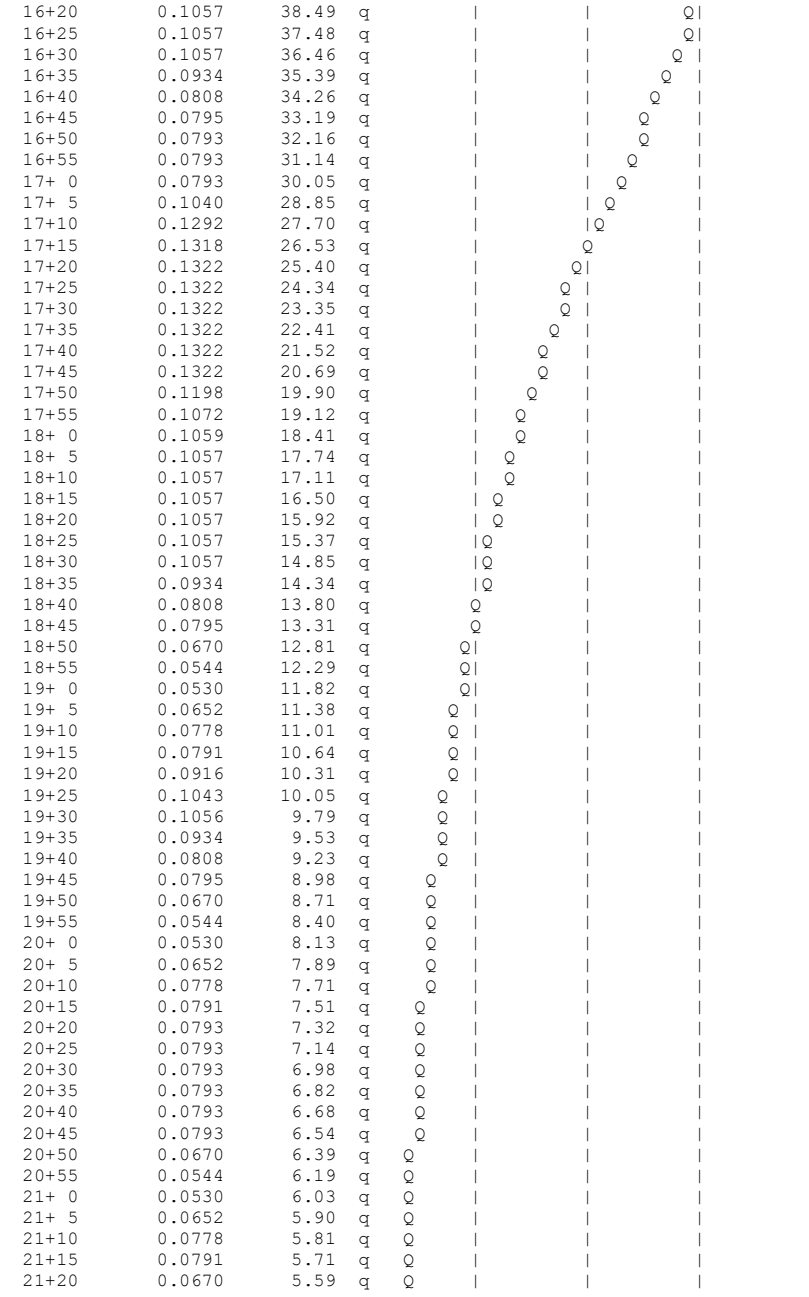
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	12.8	25.7	38.5	51.3
0+ 5	0.0247	0.05	Q				
0+10	0.0499	0.17	Q				
0+15	0.0525	0.23	Q				
0+20	0.0652	0.29	Q				
0+25	0.0778	0.37	Q				
0+30	0.0791	0.42	Q				
0+35	0.0793	0.45	Q				
0+40	0.0793	0.48	Q				
0+45	0.0793	0.51	Q				
0+50	0.0916	0.55	Q				
0+55	0.1043	0.64	Q				
1+ 0	0.1056	0.70	Q				

1+ 5	0.0934	0.71	Q				
1+10	0.0808	0.69	Q				
1+15	0.0795	0.69	Q				
1+20	0.0793	0.71	Q				
1+25	0.0793	0.73	Q				
1+30	0.0793	0.75	Q				
1+35	0.0793	0.78	Q				
1+40	0.0793	0.80	Q				
1+45	0.0793	0.82	Q				
1+50	0.0916	0.87	Q				
1+55	0.1043	0.95	Q				
2+ 0	0.1056	0.99	Q				
2+ 5	0.1057	1.02	Q				
2+10	0.1057	1.03	Q				
2+15	0.1057	1.05	Q				
2+20	0.1057	1.06	Q				
2+25	0.1057	1.07	Q				
2+30	0.1057	1.08	Q				
2+35	0.1181	1.11	Q				
2+40	0.1307	1.19	Q				
2+45	0.1320	1.22	Q				
2+50	0.1322	1.25	Q				
2+55	0.1322	1.26	Q				
3+ 0	0.1322	1.28	Q				
3+ 5	0.1322	1.29	qQ				
3+10	0.1322	1.31	qQ				
3+15	0.1322	1.32	qQ				
3+20	0.1322	1.34	qQ				
3+25	0.1322	1.35	qQ				
3+30	0.1322	1.36	qQ				
3+35	0.1322	1.38	qQ				
3+40	0.1322	1.39	qQ				
3+45	0.1322	1.40	qQ				
3+50	0.1445	1.44	qQ				
3+55	0.1571	1.52	qQ				
4+ 0	0.1584	1.56	qQ				
4+ 5	0.1586	1.58	qQ				
4+10	0.1586	1.60	qQ				
4+15	0.1586	1.62	qQ				
4+20	0.1709	1.66	qQ				
4+25	0.1836	1.74	qQ				
4+30	0.1849	1.78	qQ				
4+35	0.1850	1.80	qQ				
4+40	0.1850	1.82	qQ				
4+45	0.1850	1.83	qQ				
4+50	0.1974	1.87	qQ				
4+55	0.2100	1.94	qQ				
5+ 0	0.2113	1.98	qQ				
5+ 5	0.1868	1.96	qQ				
5+10	0.1616	1.84	qQ				
5+15	0.1590	1.81	qQ				
5+20	0.1709	1.82	qQ				
5+25	0.1836	1.89	qQ				
5+30	0.1849	1.92	qQ				
5+35	0.1974	1.96	qQ				
5+40	0.2100	2.04	qQ				
5+45	0.2113	2.07	qQ				
5+50	0.2115	2.10	qQ				
5+55	0.2115	2.11	qQ				
6+ 0	0.2115	2.13	qQ				
6+ 5	0.2238	2.16	qQ				
6+10	0.2364	2.24	qQ				
6+15	0.2377	2.28	qQ				
6+20	0.2379	2.30	qQ				
6+25	0.2379	2.32	qQ				
6+30	0.2379	2.33	qQ				
6+35	0.2502	2.37	qQ				
6+40	0.2629	2.44	qQ				
6+45	0.2642	2.48	qQ				
6+50	0.2644	2.50	qQ				
6+55	0.2644	2.52	qQ				
7+ 0	0.2644	2.53	qQ				
7+ 5	0.2644	2.54	qQ				
7+10	0.2644	2.55	qQ				
7+15	0.2644	2.56	qQ				
7+20	0.2767	2.60	q Q				
7+25	0.2893	2.67	q Q				
7+30	0.2906	2.71	q Q				
7+35	0.3031	2.75	q Q				
7+40	0.3157	2.83	q Q				
7+45	0.3170	2.87	q Q				
7+50	0.3296	2.91	q Q				
7+55	0.3422	2.99	q Q				
8+ 0	0.3435	3.03	q Q				
8+ 5	0.3683	3.10	q Q				
8+10	0.3936	3.24	q Q				
8+15	0.3962	3.31	q Q				
8+20	0.3965	3.34	q Q				
8+25	0.3965	3.36	q Q				
8+30	0.3965	3.38	q Q				
8+35	0.4089	3.42	q Q				
8+40	0.4215	3.49	q Q				
8+45	0.4228	3.53	q Q				
8+50	0.4353	3.59	q Q				
8+55	0.4479	3.73	q Q				
9+ 0	0.4492	3.82	q Q				
9+ 5	0.5470	4.08	q Q				
9+10	0.6534	4.75	q Q				
9+15	0.6769	5.07	q Q				
9+20	0.7801	5.37	q Q				
9+25	0.8840	5.82	q Q				
9+30	0.9072	6.02	q Q				
9+35	1.0102	6.28	q Q				
9+40	1.1140	6.72	q Q				
9+45	1.1370	6.92	q Q				
9+50	1.2399	7.17	q Q				
9+55	1.3436	7.60	|q Q				
10+ 0	1.3665	7.83	|q Q				
10+ 5	0.9181	7.46	q Q				
10+10	0.4514	6.28	q Q				
10+15	0.4030	6.50	q Q				
10+20	0.3965	7.14	q Q				
10+25	0.3965	7.86	q Q				
10+30	0.3965	8.59	q Q				
10+35	0.7206	9.88	q Q				
10+40	1.0583	12.19	q Q|			
10+45	1.1051	13.68	q Q				
10+50	1.1227	14.89	q |Q				
10+55	1.1357	16.02	q | Q				
11+ 0	1.1487	17.09	q | Q				
11+ 5	1.0735	17.97	q | Q				
11+10	0.9963	18.60	q | Q				





21+25	0.0544	5.43	q Q				
21+30	0.0530	5.30	q Q				
21+35	0.0652	5.20	q Q				
21+40	0.0778	5.15	q Q				
21+45	0.0791	5.08	q Q				
21+50	0.0670	4.99	q Q				
21+55	0.0544	4.86	q Q				
22+ 0	0.0530	4.76	q Q				
22+ 5	0.0652	4.69	q Q				
22+10	0.0778	4.66	q Q				
22+15	0.0791	4.62	q Q				
22+20	0.0670	4.55	q Q				
22+25	0.0544	4.44	q Q				
22+30	0.0530	4.36	q Q				
22+35	0.0529	4.29	q Q				
22+40	0.0529	4.21	q Q				
22+45	0.0529	4.14	q Q				
22+50	0.0529	4.06	q Q				
22+55	0.0529	3.99	q Q				
23+ 0	0.0529	3.92	q Q				
23+ 5	0.0529	3.86	q Q				
23+10	0.0529	3.80	q Q				
23+15	0.0529	3.74	q Q				
23+20	0.0529	3.69	q Q				
23+25	0.0529	3.63	q Q				
23+30	0.0529	3.58	q Q				
23+35	0.0529	3.54	q Q				
23+40	0.0529	3.49	q Q				
23+45	0.0529	3.45	q Q				
23+50	0.0529	3.41	q Q				
23+55	0.0529	3.37	q Q				
24+ 0	0.0529	3.34	q Q				
24+ 5	0.0282	3.25	q Q				
24+10	0.0030	3.08	q Q				
24+15	0.0003	2.95	q Q				
24+20	0.0000	2.83	q Q				
24+25	0.0000	2.70	q Q				
24+30	0.0000	2.57	q Q				
24+35	0.0000	2.45	qQ				
24+40	0.0000	2.32	qQ				
24+45	0.0000	2.21	qQ				
24+50	0.0000	2.10	qQ				
24+55	0.0000	1.99	qQ				
25+ 0	0.0000	1.89	qQ				
25+ 5	0.0000	1.83	qQ				
25+10	0.0000	1.80	qQ				
25+15	0.0000	1.78	qQ				
25+20	0.0000	1.77	qQ				
25+25	0.0000	1.77	qQ				
25+30	0.0000	1.77	qQ				
25+35	0.0000	1.77	qQ				
25+40	0.0000	1.76	qQ				
25+45	0.0000	1.76	qQ				
25+50	0.0000	1.76	qQ				
25+55	0.0000	1.76	qQ				
26+ 0	0.0000	1.76	qQ				
26+ 5	0.0000	1.76	qQ				
26+10	0.0000	1.76	qQ				
26+15	0.0000	1.76	qQ				
26+20	0.0000	1.76	qQ				
26+25	0.0000	1.76	qQ				
26+30	0.0000	1.75	qQ				
26+35	0.0000	1.75	qQ				
26+40	0.0000	1.75	qQ				
26+45	0.0000	1.75	qQ				
26+50	0.0000	1.75	qQ				
26+55	0.0000	1.75	qQ				
27+ 0	0.0000	1.75	qQ				
27+ 5	0.0000	1.75	qQ				
27+10	0.0000	1.75	qQ				
27+15	0.0000	1.75	qQ				
27+20	0.0000	1.74	qQ				
27+25	0.0000	1.74	qQ				
27+30	0.0000	1.74	qQ				
27+35	0.0000	1.74	qQ				
27+40	0.0000	1.74	qQ				
27+45	0.0000	1.74	qQ				
27+50	0.0000	1.74	qQ				
27+55	0.0000	1.74	qQ				
28+ 0	0.0000	1.74	qQ				
28+ 5	0.0000	1.74	qQ				
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28+30	0.0000	1.73	qQ				
28+35	0.0000	1.73	qQ				
28+40	0.0000	1.73	qQ				
28+45	0.0000	1.73	qQ				
28+50	0.0000	1.73	qQ				
28+55	0.0000	1.73	qQ				
29+ 0	0.0000	1.73	qQ				
29+ 5	0.0000	1.73	qQ				
29+10	0.0000	1.72	qQ				
29+15	0.0000	1.72	qQ				
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29+30	0.0000	1.72	qQ				
29+35	0.0000	1.72	qQ				
29+40	0.0000	1.72	qQ				
29+45	0.0000	1.72	qQ				
29+50	0.0000	1.72	qQ				
29+55	0.0000	1.72	qQ				
30+ 0	0.0000	1.72	qQ				
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30+30	0.0000	1.71	qQ				
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30+40	0.0000	1.71	qQ				
30+45	0.0000	1.71	qQ				
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31+10	0.0000	1.70	qQ				
31+15	0.0000	1.70	qQ				
31+20	0.0000	1.70	qQ				
31+25	0.0000	1.70	qQ				
31+30	0.0000	1.70	qQ				

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31+55	0.0000	1.69	qQ					37+ 0	0.0000	1.63	qQ				
32+ 0	0.0000	1.69	qQ					37+ 5	0.0000	1.63	qQ				
32+ 5	0.0000	1.69	qQ					37+10	0.0000	1.63	qQ				
32+10	0.0000	1.69	qQ					37+15	0.0000	1.63	qQ				
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33+ 0	0.0000	1.68	qQ					38+ 5	0.0000	1.62	qQ				
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33+10	0.0000	1.68	qQ					38+15	0.0000	1.62	qQ				
33+15	0.0000	1.68	qQ					38+20	0.0000	1.61	qQ				
33+20	0.0000	1.68	qQ					38+25	0.0000	1.61	qQ				
33+25	0.0000	1.68	qQ					38+30	0.0000	1.61	qQ				
33+30	0.0000	1.68	qQ					38+35	0.0000	1.61	qQ				
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33+55	0.0000	1.67	qQ					39+ 0	0.0000	1.61	qQ				
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34+45	0.0000	1.66	qQ					39+50	0.0000	1.60	qQ				
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36+ 0	0.0000	1.64	qQ					41+ 5	0.0000	1.58	qQ				
36+ 5	0.0000	1.64	qQ					41+10	0.0000	1.58	qQ				
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41+50	0.0000	1.57	qQ					46+55	0.0000	1.50	qQ				
41+55	0.0000	1.57	qQ					47+ 0	0.0000	1.50	qQ				
42+ 0	0.0000	1.57	qQ					47+ 5	0.0000	1.50	qQ				
42+ 5	0.0000	1.56	qQ					47+10	0.0000	1.50	qQ				
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42+30	0.0000	1.56	qQ					47+35	0.0000	1.49	qQ				
42+35	0.0000	1.56	qQ					47+40	0.0000	1.49	qQ				
42+40	0.0000	1.56	qQ					47+45	0.0000	1.49	qQ				
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44+ 0	0.0000	1.54	qQ					49+ 5	0.0000	1.47	qQ				
44+ 5	0.0000	1.54	qQ					49+10	0.0000	1.47	qQ				
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44+20	0.0000	1.53	qQ					49+25	0.0000	1.47	qQ				
44+25	0.0000	1.53	qQ					49+30	0.0000	1.46	qQ				
44+30	0.0000	1.53	qQ					49+35	0.0000	1.46	qQ				
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44+50	0.0000	1.53	qQ					49+55	0.0000	1.46	qQ				
44+55	0.0000	1.53	qQ					50+ 0	0.0000	1.46	qQ				
45+ 0	0.0000	1.52	qQ					50+ 5	0.0000	1.46	qQ				
45+ 5	0.0000	1.52	qQ					50+10	0.0000	1.46	qQ				
45+10	0.0000	1.52	qQ					50+15	0.0000	1.46	qQ				
45+15	0.0000	1.52	qQ					50+20	0.0000	1.45	qQ				
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46+35	0.0000	1.50	qQ					51+40	0.0000	1.44	qQ				
46+40	0.0000	1.50	qQ					51+45	0.0000	1.44	qQ				
46+45	0.0000	1.50	qQ					51+50	0.0000	1.43	qQ				

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52+ 0	0.0000	1.43	qQ					57+ 5	0.0000	1.36	qQ				
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52+10	0.0000	1.43	qQ					57+15	0.0000	1.36	qQ				
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52+20	0.0000	1.43	qQ					57+25	0.0000	1.35	qQ				
52+25	0.0000	1.43	qQ					57+30	0.0000	1.35	qQ				
52+30	0.0000	1.43	qQ					57+35	0.0000	1.35	qQ				
52+35	0.0000	1.43	qQ					57+40	0.0000	1.35	qQ				
52+40	0.0000	1.42	qQ					57+45	0.0000	1.35	qQ				
52+45	0.0000	1.42	qQ					57+50	0.0000	1.35	qQ				
52+50	0.0000	1.42	qQ					57+55	0.0000	1.35	qQ				
52+55	0.0000	1.42	qQ					58+ 0	0.0000	1.34	qQ				
53+ 0	0.0000	1.42	qQ					58+ 5	0.0000	1.34	qQ				
53+ 5	0.0000	1.42	qQ					58+10	0.0000	1.34	qQ				
53+10	0.0000	1.42	qQ					58+15	0.0000	1.34	qQ				
53+15	0.0000	1.42	qQ					58+20	0.0000	1.34	qQ				
53+20	0.0000	1.42	qQ					58+25	0.0000	1.34	qQ				
53+25	0.0000	1.41	qQ					58+30	0.0000	1.34	qQ				
53+30	0.0000	1.41	qQ					58+35	0.0000	1.34	qQ				
53+35	0.0000	1.41	qQ					58+40	0.0000	1.33	qQ				
53+40	0.0000	1.41	qQ					58+45	0.0000	1.33	qQ				
53+45	0.0000	1.41	qQ					58+50	0.0000	1.33	qQ				
53+50	0.0000	1.41	qQ					58+55	0.0000	1.33	qQ				
53+55	0.0000	1.41	qQ					59+ 0	0.0000	1.33	qQ				
54+ 0	0.0000	1.41	qQ					59+ 5	0.0000	1.33	qQ				
54+ 5	0.0000	1.41	qQ					59+10	0.0000	1.33	qQ				
54+10	0.0000	1.40	qQ					59+15	0.0000	1.33	qQ				
54+15	0.0000	1.40	qQ					59+20	0.0000	1.32	qQ				
54+20	0.0000	1.40	qQ					59+25	0.0000	1.32	qQ				
54+25	0.0000	1.40	qQ					59+30	0.0000	1.32	qQ				
54+30	0.0000	1.40	qQ					59+35	0.0000	1.32	qQ				
54+35	0.0000	1.40	qQ					59+40	0.0000	1.32	qQ				
54+40	0.0000	1.40	qQ					59+45	0.0000	1.32	qQ				
54+45	0.0000	1.40	qQ					59+50	0.0000	1.32	qQ				
54+50	0.0000	1.39	qQ					59+55	0.0000	1.32	qQ				
54+55	0.0000	1.39	qQ					60+ 0	0.0000	1.31	qQ				
55+ 0	0.0000	1.39	qQ					60+ 5	0.0000	1.31	qQ				
55+ 5	0.0000	1.39	qQ					60+10	0.0000	1.31	qQ				
55+10	0.0000	1.39	qQ					60+15	0.0000	1.31	qQ				
55+15	0.0000	1.39	qQ					60+20	0.0000	1.31	qQ				
55+20	0.0000	1.39	qQ					60+25	0.0000	1.31	qQ				
55+25	0.0000	1.38	qQ					60+30	0.0000	1.31	qQ				
55+30	0.0000	1.38	qQ					60+35	0.0000	1.31	qQ				
55+35	0.0000	1.38	qQ					60+40	0.0000	1.30	qQ				
55+40	0.0000	1.38	qQ					60+45	0.0000	1.30	qQ				
55+45	0.0000	1.38	qQ					60+50	0.0000	1.30	qQ				
55+50	0.0000	1.38	qQ					60+55	0.0000	1.30	qQ				
55+55	0.0000	1.38	qQ					61+ 0	0.0000	1.30	qQ				
56+ 0	0.0000	1.38	qQ					61+ 5	0.0000	1.30	qQ				
56+ 5	0.0000	1.37	qQ					61+10	0.0000	1.30	qQ				
56+10	0.0000	1.37	qQ					61+15	0.0000	1.30	qQ				
56+15	0.0000	1.37	qQ					61+20	0.0000	1.29	qQ				
56+20	0.0000	1.37	qQ					61+25	0.0000	1.29	qQ				
56+25	0.0000	1.37	qQ					61+30	0.0000	1.29	qQ				
56+30	0.0000	1.37	qQ					61+35	0.0000	1.29	qQ				
56+35	0.0000	1.37	qQ					61+40	0.0000	1.29	qQ				
56+40	0.0000	1.36	qQ					61+45	0.0000	1.29	qQ				
56+45	0.0000	1.36	qQ					61+50	0.0000	1.29	qQ				
56+50	0.0000	1.36	qQ					61+55	0.0000	1.28	qQ				
56+55	0.0000	1.36	qQ					62+ 0	0.0000	1.28	qQ				

62+ 5	0.0000	1.28	Q					67+10	0.0000	1.20	Q								
62+10	0.0000	1.28	Q					67+15	0.0000	1.20	Q								
62+15	0.0000	1.28	Q					67+20	0.0000	1.20	Q								
62+20	0.0000	1.28	Q					67+25	0.0000	1.20	Q								
62+25	0.0000	1.28	Q					67+30	0.0000	1.20	Q								
62+30	0.0000	1.28	Q					67+35	0.0000	1.20	Q								
62+35	0.0000	1.27	Q					67+40	0.0000	1.20	Q								
62+40	0.0000	1.27	Q					67+45	0.0000	1.20	Q								
62+45	0.0000	1.27	Q					67+50	0.0000	1.19	Q								
62+50	0.0000	1.27	Q					67+55	0.0000	1.19	Q								
62+55	0.0000	1.27	Q					68+ 0	0.0000	1.19	Q								
63+ 0	0.0000	1.27	Q					68+ 5	0.0000	1.19	Q								
63+ 5	0.0000	1.27	Q					68+10	0.0000	1.19	Q								
63+10	0.0000	1.27	Q					68+15	0.0000	1.19	Q								
63+15	0.0000	1.26	Q					68+20	0.0000	1.19	Q								
63+20	0.0000	1.26	Q					68+25	0.0000	1.18	Q								
63+25	0.0000	1.26	Q					68+30	0.0000	1.18	Q								
63+30	0.0000	1.26	Q					68+35	0.0000	1.18	Q								
63+35	0.0000	1.26	Q					68+40	0.0000	1.18	Q								
63+40	0.0000	1.26	Q					68+45	0.0000	1.18	Q								
63+45	0.0000	1.26	Q					68+50	0.0000	1.18	Q								
63+50	0.0000	1.25	Q					68+55	0.0000	1.17	Q								
63+55	0.0000	1.25	Q					69+ 0	0.0000	1.17	Q								
64+ 0	0.0000	1.25	Q					69+ 5	0.0000	1.17	Q								
64+ 5	0.0000	1.25	Q					69+10	0.0000	1.17	Q								
64+10	0.0000	1.25	Q					69+15	0.0000	1.17	Q								
64+15	0.0000	1.25	Q					69+20	0.0000	1.17	Q								
64+20	0.0000	1.25	Q					69+25	0.0000	1.16	Q								
64+25	0.0000	1.25	Q					69+30	0.0000	1.16	Q								
64+30	0.0000	1.24	Q					69+35	0.0000	1.16	Q								
64+35	0.0000	1.24	Q					69+40	0.0000	1.16	Q								
64+40	0.0000	1.24	Q					69+45	0.0000	1.16	Q								
64+45	0.0000	1.24	Q					69+50	0.0000	1.16	Q								
64+50	0.0000	1.24	Q					69+55	0.0000	1.15	Q								
64+55	0.0000	1.24	Q					70+ 0	0.0000	1.15	Q								
65+ 0	0.0000	1.24	Q					70+ 5	0.0000	1.15	Q								
65+ 5	0.0000	1.24	Q					70+10	0.0000	1.15	Q								
65+10	0.0000	1.23	Q					70+15	0.0000	1.15	Q								
65+15	0.0000	1.23	Q					70+20	0.0000	1.15	Q								
65+20	0.0000	1.23	Q					70+25	0.0000	1.14	Q								
65+25	0.0000	1.23	Q					70+30	0.0000	1.14	Q								
65+30	0.0000	1.23	Q					70+35	0.0000	1.14	Q								
65+35	0.0000	1.23	Q					70+40	0.0000	1.14	Q								
65+40	0.0000	1.23	Q					70+45	0.0000	1.14	Q								
65+45	0.0000	1.23	Q					70+50	0.0000	1.14	Q								
65+50	0.0000	1.22	Q					70+55	0.0000	1.13	Q								
65+55	0.0000	1.22	Q					71+ 0	0.0000	1.13	Q								
66+ 0	0.0000	1.22	Q					71+ 5	0.0000	1.13	Q								
66+ 5	0.0000	1.22	Q					71+10	0.0000	1.13	Q								
66+10	0.0000	1.22	Q					71+15	0.0000	1.13	Q								
66+15	0.0000	1.22	Q					71+20	0.0000	1.13	Q								
66+20	0.0000	1.22	Q					71+25	0.0000	1.12	Q								
66+25	0.0000	1.22	Q					71+30	0.0000	1.12	Q								
66+30	0.0000	1.21	Q					71+35	0.0000	1.12	Q								
66+35	0.0000	1.21	Q					71+40	0.0000	1.12	Q								
66+40	0.0000	1.21	Q					71+45	0.0000	1.12	Q								
66+45	0.0000	1.21	Q					71+50	0.0000	1.12	Q								
66+50	0.0000	1.21	Q					71+55	0.0000	1.11	Q								
66+55	0.0000	1.21	Q					72+ 0	0.0000	1.11	Q								
67+ 0	0.0000	1.21	Q					72+ 5	0.0000	1.11	Q								
67+ 5	0.0000	1.21	Q					72+10	0.0000	1.11	Q								

72+15	0.0000	1.11	Q					77+20	0.0000	1.01	Q				
72+20	0.0000	1.11	Q					77+25	0.0000	1.01	Q				
72+25	0.0000	1.10	Q					77+30	0.0000	1.01	Q				
72+30	0.0000	1.10	Q					77+35	0.0000	1.01	Q				
72+35	0.0000	1.10	Q					77+40	0.0000	1.01	Q				
72+40	0.0000	1.10	Q					77+45	0.0000	1.01	Q				
72+45	0.0000	1.10	Q					77+50	0.0000	1.00	Q				
72+50	0.0000	1.10	Q					77+55	0.0000	1.00	Q				
72+55	0.0000	1.09	Q					78+ 0	0.0000	1.00	Q				
73+ 0	0.0000	1.09	Q					78+ 5	0.0000	1.00	Q				
73+ 5	0.0000	1.09	Q					78+10	0.0000	1.00	Q				
73+10	0.0000	1.09	Q					78+15	0.0000	1.00	Q				
73+15	0.0000	1.09	Q					78+20	0.0000	0.99	Q				
73+20	0.0000	1.09	Q					78+25	0.0000	0.99	Q				
73+25	0.0000	1.08	Q					78+30	0.0000	0.99	Q				
73+30	0.0000	1.08	Q					78+35	0.0000	0.99	Q				
73+35	0.0000	1.08	Q					78+40	0.0000	0.99	Q				
73+40	0.0000	1.08	Q					78+45	0.0000	0.99	Q				
73+45	0.0000	1.08	Q					78+50	0.0000	0.99	Q				
73+50	0.0000	1.08	Q					78+55	0.0000	0.98	Q				
73+55	0.0000	1.08	Q					79+ 0	0.0000	0.98	Q				
74+ 0	0.0000	1.07	Q					79+ 5	0.0000	0.98	Q				
74+ 5	0.0000	1.07	Q					79+10	0.0000	0.98	Q				
74+10	0.0000	1.07	Q					79+15	0.0000	0.98	Q				
74+15	0.0000	1.07	Q					79+20	0.0000	0.98	Q				
74+20	0.0000	1.07	Q					79+25	0.0000	0.98	Q				
74+25	0.0000	1.07	Q					79+30	0.0000	0.97	Q				
74+30	0.0000	1.06	Q					79+35	0.0000	0.97	Q				
74+35	0.0000	1.06	Q					79+40	0.0000	0.97	Q				
74+40	0.0000	1.06	Q					79+45	0.0000	0.97	Q				
74+45	0.0000	1.06	Q					79+50	0.0000	0.97	Q				
74+50	0.0000	1.06	Q					79+55	0.0000	0.97	Q				
74+55	0.0000	1.06	Q					80+ 0	0.0000	0.97	Q				
75+ 0	0.0000	1.05	Q					80+ 5	0.0000	0.96	Q				
75+ 5	0.0000	1.05	Q					80+10	0.0000	0.96	Q				
75+10	0.0000	1.05	Q					80+15	0.0000	0.96	Q				
75+15	0.0000	1.05	Q					80+20	0.0000	0.96	Q				
75+20	0.0000	1.05	Q					80+25	0.0000	0.96	Q				
75+25	0.0000	1.05	Q					80+30	0.0000	0.96	Q				
75+30	0.0000	1.05	Q					80+35	0.0000	0.96	Q				
75+35	0.0000	1.04	Q					80+40	0.0000	0.95	Q				
75+40	0.0000	1.04	Q					80+45	0.0000	0.95	Q				
75+45	0.0000	1.04	Q					80+50	0.0000	0.95	Q				
75+50	0.0000	1.04	Q					80+55	0.0000	0.95	Q				
75+55	0.0000	1.04	Q					81+ 0	0.0000	0.95	Q				
76+ 0	0.0000	1.04	Q					81+ 5	0.0000	0.95	Q				
76+ 5	0.0000	1.04	Q					81+10	0.0000	0.95	Q				
76+10	0.0000	1.03	Q					81+15	0.0000	0.95	Q				
76+15	0.0000	1.03	Q					81+20	0.0000	0.94	Q				
76+20	0.0000	1.03	Q					81+25	0.0000	0.94	Q				
76+25	0.0000	1.03	Q					81+30	0.0000	0.94	Q				
76+30	0.0000	1.03	Q					81+35	0.0000	0.94	Q				
76+35	0.0000	1.03	Q					81+40	0.0000	0.94	Q				
76+40	0.0000	1.02	Q					81+45	0.0000	0.94	Q				
76+45	0.0000	1.02	Q					81+50	0.0000	0.94	Q				
76+50	0.0000	1.02	Q					81+55	0.0000	0.93	Q				
76+55	0.0000	1.02	Q					82+ 0	0.0000	0.93	Q				
77+ 0	0.0000	1.02	Q					82+ 5	0.0000	0.93	Q				
77+ 5	0.0000	1.02	Q					82+10	0.0000	0.93	Q				
77+10	0.0000	1.02	Q					82+15	0.0000	0.93	Q				
77+15	0.0000	1.01	Q					82+20	0.0000	0.93	Q				

82+25	0.0000	0.93	Q					87+30	0.0000	0.80	Q				
82+30	0.0000	0.92	Q					87+35	0.0000	0.80	Q				
82+35	0.0000	0.92	Q					87+40	0.0000	0.80	Q				
82+40	0.0000	0.92	Q					87+45	0.0000	0.80	Q				
82+45	0.0000	0.92	Q					87+50	0.0000	0.79	Q				
82+50	0.0000	0.92	Q					87+55	0.0000	0.79	Q				
82+55	0.0000	0.92	Q					88+ 0	0.0000	0.79	Q				
83+ 0	0.0000	0.92	Q					88+ 5	0.0000	0.79	Q				
83+ 5	0.0000	0.92	Q					88+10	0.0000	0.79	Q				
83+10	0.0000	0.91	Q					88+15	0.0000	0.78	Q				
83+15	0.0000	0.91	Q					88+20	0.0000	0.78	Q				
83+20	0.0000	0.91	Q					88+25	0.0000	0.78	Q				
83+25	0.0000	0.91	Q					88+30	0.0000	0.78	Q				
83+30	0.0000	0.91	Q					88+35	0.0000	0.78	Q				
83+35	0.0000	0.90	Q					88+40	0.0000	0.77	Q				
83+40	0.0000	0.90	Q					88+45	0.0000	0.77	Q				
83+45	0.0000	0.90	Q					88+50	0.0000	0.77	Q				
83+50	0.0000	0.90	Q					88+55	0.0000	0.77	Q				
83+55	0.0000	0.90	Q					89+ 0	0.0000	0.77	Q				
84+ 0	0.0000	0.89	Q					89+ 5	0.0000	0.76	Q				
84+ 5	0.0000	0.89	Q					89+10	0.0000	0.76	Q				
84+10	0.0000	0.89	Q					89+15	0.0000	0.76	Q				
84+15	0.0000	0.89	Q					89+20	0.0000	0.76	Q				
84+20	0.0000	0.88	Q					89+25	0.0000	0.76	Q				
84+25	0.0000	0.88	Q					89+30	0.0000	0.75	Q				
84+30	0.0000	0.88	Q					89+35	0.0000	0.75	Q				
84+35	0.0000	0.88	Q					89+40	0.0000	0.75	Q				
84+40	0.0000	0.88	Q					89+45	0.0000	0.75	Q				
84+45	0.0000	0.87	Q					89+50	0.0000	0.75	Q				
84+50	0.0000	0.87	Q					89+55	0.0000	0.75	Q				
84+55	0.0000	0.87	Q					90+ 0	0.0000	0.74	Q				
85+ 0	0.0000	0.87	Q					90+ 5	0.0000	0.74	Q				
85+ 5	0.0000	0.86	Q					90+10	0.0000	0.74	Q				
85+10	0.0000	0.86	Q					90+15	0.0000	0.74	Q				
85+15	0.0000	0.86	Q					90+20	0.0000	0.74	Q				
85+20	0.0000	0.86	Q					90+25	0.0000	0.73	Q				
85+25	0.0000	0.86	Q					90+30	0.0000	0.73	Q				
85+30	0.0000	0.85	Q					90+35	0.0000	0.73	Q				
85+35	0.0000	0.85	Q					90+40	0.0000	0.73	Q				
85+40	0.0000	0.85	Q					90+45	0.0000	0.73	Q				
85+45	0.0000	0.85	Q					90+50	0.0000	0.72	Q				
85+50	0.0000	0.84	Q					90+55	0.0000	0.72	Q				
85+55	0.0000	0.84	Q					91+ 0	0.0000	0.72	Q				
86+ 0	0.0000	0.84	Q					91+ 5	0.0000	0.72	Q				
86+ 5	0.0000	0.84	Q					91+10	0.0000	0.72	Q				
86+10	0.0000	0.84	Q					91+15	0.0000	0.72	Q				
86+15	0.0000	0.83	Q					91+20	0.0000	0.71	Q				
86+20	0.0000	0.83	Q					91+25	0.0000	0.71	Q				
86+25	0.0000	0.83	Q					91+30	0.0000	0.71	Q				
86+30	0.0000	0.83	Q					91+35	0.0000	0.71	Q				
86+35	0.0000	0.83	Q					91+40	0.0000	0.71	Q				
86+40	0.0000	0.82	Q					91+45	0.0000	0.70	Q				
86+45	0.0000	0.82	Q					91+50	0.0000	0.70	Q				
86+50	0.0000	0.82	Q					91+55	0.0000	0.70	Q				
86+55	0.0000	0.82	Q					92+ 0	0.0000	0.70	Q				
87+ 0	0.0000	0.81	Q					92+ 5	0.0000	0.70	Q				
87+ 5	0.0000	0.81	Q					92+10	0.0000	0.70	Q				
87+10	0.0000	0.81	Q					92+15	0.0000	0.69	Q				
87+15	0.0000	0.81	Q					92+20	0.0000	0.69	Q				
87+20	0.0000	0.81	Q					92+25	0.0000	0.69	Q				
87+25	0.0000	0.80	Q					92+30	0.0000	0.69	Q				

92+35	0.0000	0.69	Q					97+40	0.0000	0.59	Q				
92+40	0.0000	0.68	Q					97+45	0.0000	0.59	Q				
92+45	0.0000	0.68	Q					97+50	0.0000	0.58	Q				
92+50	0.0000	0.68	Q					97+55	0.0000	0.58	Q				
92+55	0.0000	0.68	Q					98+ 0	0.0000	0.58	Q				
93+ 0	0.0000	0.68	Q					98+ 5	0.0000	0.58	Q				
93+ 5	0.0000	0.68	Q					98+10	0.0000	0.58	Q				
93+10	0.0000	0.67	Q					98+15	0.0000	0.58	Q				
93+15	0.0000	0.67	Q					98+20	0.0000	0.58	Q				
93+20	0.0000	0.67	Q					98+25	0.0000	0.57	Q				
93+25	0.0000	0.67	Q					98+30	0.0000	0.57	Q				
93+30	0.0000	0.67	Q					98+35	0.0000	0.57	Q				
93+35	0.0000	0.67	Q					98+40	0.0000	0.57	Q				
93+40	0.0000	0.66	Q					98+45	0.0000	0.57	Q				
93+45	0.0000	0.66	Q					98+50	0.0000	0.57	Q				
93+50	0.0000	0.66	Q					98+55	0.0000	0.57	Q				
93+55	0.0000	0.66	Q					99+ 0	0.0000	0.56	Q				
94+ 0	0.0000	0.66	Q					99+ 5	0.0000	0.56	Q				
94+ 5	0.0000	0.66	Q					99+10	0.0000	0.56	Q				
94+10	0.0000	0.65	Q					99+15	0.0000	0.56	Q				
94+15	0.0000	0.65	Q					99+20	0.0000	0.56	Q				
94+20	0.0000	0.65	Q					99+25	0.0000	0.56	Q				
94+25	0.0000	0.65	Q					99+30	0.0000	0.56	Q				
94+30	0.0000	0.65	Q					99+35	0.0000	0.55	Q				
94+35	0.0000	0.65	Q					99+40	0.0000	0.55	Q				
94+40	0.0000	0.64	Q					99+45	0.0000	0.55	Q				
94+45	0.0000	0.64	Q					99+50	0.0000	0.55	Q				
94+50	0.0000	0.64	Q					99+55	0.0000	0.55	Q				
94+55	0.0000	0.64	Q					100+ 0	0.0000	0.55	Q				
95+ 0	0.0000	0.64	Q					100+ 5	0.0000	0.55	Q				
95+ 5	0.0000	0.64	Q					100+10	0.0000	0.54	Q				
95+10	0.0000	0.63	Q					100+15	0.0000	0.54	Q				
95+15	0.0000	0.63	Q					100+20	0.0000	0.54	Q				
95+20	0.0000	0.63	Q					100+25	0.0000	0.54	Q				
95+25	0.0000	0.63	Q					100+30	0.0000	0.54	Q				
95+30	0.0000	0.63	Q					100+35	0.0000	0.54	Q				
95+35	0.0000	0.63	Q					100+40	0.0000	0.54	Q				
95+40	0.0000	0.62	Q					100+45	0.0000	0.53	Q				
95+45	0.0000	0.62	Q					100+50	0.0000	0.53	Q				
95+50	0.0000	0.62	Q					100+55	0.0000	0.53	Q				
95+55	0.0000	0.62	Q					101+ 0	0.0000	0.53	Q				
96+ 0	0.0000	0.62	Q					101+ 5	0.0000	0.53	Q				
96+ 5	0.0000	0.62	Q					101+10	0.0000	0.53	Q				
96+10	0.0000	0.61	Q					101+15	0.0000	0.53	Q				
96+15	0.0000	0.61	Q					101+20	0.0000	0.52	Q				
96+20	0.0000	0.61	Q					101+25	0.0000	0.52	Q				
96+25	0.0000	0.61	Q					101+30	0.0000	0.52	Q				
96+30	0.0000	0.61	Q					101+35	0.0000	0.52	Q				
96+35	0.0000	0.61	Q					101+40	0.0000	0.52	Q				
96+40	0.0000	0.61	Q					101+45	0.0000	0.52	Q				
96+45	0.0000	0.60	Q					101+50	0.0000	0.52	Q				
96+50	0.0000	0.60	Q					101+55	0.0000	0.52	Q				
96+55	0.0000	0.60	Q					102+ 0	0.0000	0.51	Q				
97+ 0	0.0000	0.60	Q					102+ 5	0.0000	0.51	Q				
97+ 5	0.0000	0.60	Q					102+10	0.0000	0.51	Q				
97+10	0.0000	0.60	Q					102+15	0.0000	0.51	Q				
97+15	0.0000	0.59	Q					102+20	0.0000	0.51	Q				
97+20	0.0000	0.59	Q					102+25	0.0000	0.51	Q				
97+25	0.0000	0.59	Q					102+30	0.0000	0.51	Q				
97+30	0.0000	0.59	Q					102+35	0.0000	0.50	Q				
97+35	0.0000	0.59	Q					102+40	0.0000	0.50	Q				

102+45	0.0000	0.50	Q					107+50	0.0000	0.33	Q				
102+50	0.0000	0.50	Q					107+55	0.0000	0.32	Q				
102+55	0.0000	0.50	Q					108+ 0	0.0000	0.32	Q				
103+ 0	0.0000	0.50	Q					108+ 5	0.0000	0.32	Q				
103+ 5	0.0000	0.49	Q					108+10	0.0000	0.32	Q				
103+10	0.0000	0.49	Q					108+15	0.0000	0.31	Q				
103+15	0.0000	0.49	Q					108+20	0.0000	0.31	Q				
103+20	0.0000	0.48	Q					108+25	0.0000	0.31	Q				
103+25	0.0000	0.48	Q					108+30	0.0000	0.31	Q				
103+30	0.0000	0.47	Q					108+35	0.0000	0.30	Q				
103+35	0.0000	0.47	Q					108+40	0.0000	0.30	Q				
103+40	0.0000	0.47	Q					108+45	0.0000	0.30	Q				
103+45	0.0000	0.46	Q					108+50	0.0000	0.30	Q				
103+50	0.0000	0.46	Q					108+55	0.0000	0.30	Q				
103+55	0.0000	0.46	Q					109+ 0	0.0000	0.29	Q				
104+ 0	0.0000	0.45	Q					109+ 5	0.0000	0.29	Q				
104+ 5	0.0000	0.45	Q					109+10	0.0000	0.29	Q				
104+10	0.0000	0.45	Q					109+15	0.0000	0.29	Q				
104+15	0.0000	0.44	Q					109+20	0.0000	0.29	Q				
104+20	0.0000	0.44	Q					109+25	0.0000	0.28	Q				
104+25	0.0000	0.44	Q					109+30	0.0000	0.28	Q				
104+30	0.0000	0.44	Q					109+35	0.0000	0.28	Q				
104+35	0.0000	0.43	Q					109+40	0.0000	0.28	Q				
104+40	0.0000	0.43	Q					109+45	0.0000	0.28	Q				
104+45	0.0000	0.43	Q					109+50	0.0000	0.27	Q				
104+50	0.0000	0.42	Q					109+55	0.0000	0.27	Q				
104+55	0.0000	0.42	Q					110+ 0	0.0000	0.27	Q				
105+ 0	0.0000	0.42	Q					110+ 5	0.0000	0.27	Q				
105+ 5	0.0000	0.41	Q					110+10	0.0000	0.27	Q				
105+10	0.0000	0.41	Q					110+15	0.0000	0.26	Q				
105+15	0.0000	0.41	Q					110+20	0.0000	0.26	Q				
105+20	0.0000	0.40	Q					110+25	0.0000	0.26	Q				
105+25	0.0000	0.40	Q					110+30	0.0000	0.26	Q				
105+30	0.0000	0.40	Q					110+35	0.0000	0.26	Q				
105+35	0.0000	0.40	Q					110+40	0.0000	0.25	Q				
105+40	0.0000	0.39	Q					110+45	0.0000	0.25	Q				
105+45	0.0000	0.39	Q					110+50	0.0000	0.25	Q				
105+50	0.0000	0.39	Q					110+55	0.0000	0.25	Q				
105+55	0.0000	0.38	Q					111+ 0	0.0000	0.25	Q				
106+ 0	0.0000	0.38	Q					111+ 5	0.0000	0.25	Q				
106+ 5	0.0000	0.38	Q					111+10	0.0000	0.24	Q				
106+10	0.0000	0.38	Q					111+15	0.0000	0.24	Q				
106+15	0.0000	0.37	Q					111+20	0.0000	0.24	Q				
106+20	0.0000	0.37	Q					111+25	0.0000	0.24	Q				
106+25	0.0000	0.37	Q					111+30	0.0000	0.24	Q				
106+30	0.0000	0.37	Q					111+35	0.0000	0.23	Q				
106+35	0.0000	0.36	Q					111+40	0.0000	0.23	Q				
106+40	0.0000	0.36	Q					111+45	0.0000	0.23	Q				
106+45	0.0000	0.36	Q					111+50	0.0000	0.23	Q				
106+50	0.0000	0.36	Q					111+55	0.0000	0.23	Q				
106+55	0.0000	0.35	Q					112+ 0	0.0000	0.23	Q				
107+ 0	0.0000	0.35	Q					112+ 5	0.0000	0.22	Q				
107+ 5	0.0000	0.35	Q					112+10	0.0000	0.22	Q				
107+10	0.0000	0.34	Q					112+15	0.0000	0.22	Q				
107+15	0.0000	0.34	Q					112+20	0.0000	0.22	Q				
107+20	0.0000	0.34	Q					112+25	0.0000	0.22	Q				
107+25	0.0000	0.34	Q					112+30	0.0000	0.22	Q				
107+30	0.0000	0.34	Q					112+35	0.0000	0.22	Q				
107+35	0.0000	0.33	Q					112+40	0.0000	0.21	Q				
107+40	0.0000	0.33	Q					112+45	0.0000	0.21	Q				
107+45	0.0000	0.33	Q					112+50	0.0000	0.21	Q				

112+55	0.0000	0.21	Q					118+ 0	0.0000	0.13	Q								
113+ 0	0.0000	0.21	Q					118+ 5	0.0000	0.13	Q								
113+ 5	0.0000	0.21	Q					118+10	0.0000	0.13	Q								
113+10	0.0000	0.20	Q					118+15	0.0000	0.13	Q								
113+15	0.0000	0.20	Q					118+20	0.0000	0.13	Q								
113+20	0.0000	0.20	Q					118+25	0.0000	0.13	Q								
113+25	0.0000	0.20	Q					118+30	0.0000	0.13	Q								
113+30	0.0000	0.20	Q					118+35	0.0000	0.13	Q								
113+35	0.0000	0.20	Q					118+40	0.0000	0.13	Q								
113+40	0.0000	0.20	Q					118+45	0.0000	0.13	Q								
113+45	0.0000	0.19	Q					118+50	0.0000	0.13	Q								
113+50	0.0000	0.19	Q					118+55	0.0000	0.12	Q								
113+55	0.0000	0.19	Q					119+ 0	0.0000	0.12	Q								
114+ 0	0.0000	0.19	Q					119+ 5	0.0000	0.12	Q								
114+ 5	0.0000	0.19	Q					119+10	0.0000	0.12	Q								
114+10	0.0000	0.19	Q					119+15	0.0000	0.12	Q								
114+15	0.0000	0.19	Q					119+20	0.0000	0.12	Q								
114+20	0.0000	0.18	Q					119+25	0.0000	0.12	Q								
114+25	0.0000	0.18	Q					119+30	0.0000	0.12	Q								
114+30	0.0000	0.18	Q					119+35	0.0000	0.12	Q								
114+35	0.0000	0.18	Q					119+40	0.0000	0.12	Q								
114+40	0.0000	0.18	Q					119+45	0.0000	0.12	Q								
114+45	0.0000	0.18	Q					119+50	0.0000	0.11	Q								
114+50	0.0000	0.18	Q					119+55	0.0000	0.11	Q								
114+55	0.0000	0.18	Q					120+ 0	0.0000	0.11	Q								
115+ 0	0.0000	0.17	Q					120+ 5	0.0000	0.11	Q								
115+ 5	0.0000	0.17	Q					120+10	0.0000	0.11	Q								
115+10	0.0000	0.17	Q					120+15	0.0000	0.11	Q								
115+15	0.0000	0.17	Q					120+20	0.0000	0.11	Q								
115+20	0.0000	0.17	Q					120+25	0.0000	0.11	Q								
115+25	0.0000	0.17	Q					120+30	0.0000	0.11	Q								
115+30	0.0000	0.17	Q					120+35	0.0000	0.11	Q								
115+35	0.0000	0.17	Q					120+40	0.0000	0.11	Q								
115+40	0.0000	0.16	Q					120+45	0.0000	0.11	Q								
115+45	0.0000	0.16	Q					120+50	0.0000	0.11	Q								
115+50	0.0000	0.16	Q					120+55	0.0000	0.10	Q								
115+55	0.0000	0.16	Q					121+ 0	0.0000	0.10	Q								
116+ 0	0.0000	0.16	Q					121+ 5	0.0000	0.10	Q								
116+ 5	0.0000	0.16	Q					121+10	0.0000	0.10	Q								
116+10	0.0000	0.16	Q					121+15	0.0000	0.10	Q								
116+15	0.0000	0.16	Q					121+20	0.0000	0.10	Q								
116+20	0.0000	0.16	Q					121+25	0.0000	0.10	Q								
116+25	0.0000	0.15	Q					121+30	0.0000	0.10	Q								
116+30	0.0000	0.15	Q					121+35	0.0000	0.10	Q								
116+35	0.0000	0.15	Q					121+40	0.0000	0.10	Q								
116+40	0.0000	0.15	Q					121+45	0.0000	0.10	Q								
116+45	0.0000	0.15	Q					121+50	0.0000	0.10	Q								
116+50	0.0000	0.15	Q					121+55	0.0000	0.10	Q								
116+55	0.0000	0.15	Q					122+ 0	0.0000	0.09	Q								
117+ 0	0.0000	0.15	Q					122+ 5	0.0000	0.09	Q								
117+ 5	0.0000	0.15	Q					122+10	0.0000	0.09	Q								
117+10	0.0000	0.14	Q					122+15	0.0000	0.09	Q								
117+15	0.0000	0.14	Q					122+20	0.0000	0.09	Q								
117+20	0.0000	0.14	Q					122+25	0.0000	0.09	Q								
117+25	0.0000	0.14	Q					122+30	0.0000	0.09	Q								
117+30	0.0000	0.14	Q					122+35	0.0000	0.09	Q								
117+35	0.0000	0.14	Q					122+40	0.0000	0.09	Q								
117+40	0.0000	0.14	Q					122+45	0.0000	0.09	Q								
117+45	0.0000	0.14	Q					122+50	0.0000	0.09	Q								
117+50	0.0000	0.14	Q					122+55	0.0000	0.09	Q								
117+55	0.0000	0.14	Q					123+ 0	0.0000	0.09	Q								

123+ 5	0.0000	0.09	Q					128+10	0.0000	0.06	Q				
123+10	0.0000	0.09	Q					128+15	0.0000	0.06	Q				
123+15	0.0000	0.09	Q					128+20	0.0000	0.05	Q				
123+20	0.0000	0.08	Q					128+25	0.0000	0.05	Q				
123+25	0.0000	0.08	Q					128+30	0.0000	0.05	Q				
123+30	0.0000	0.08	Q					128+35	0.0000	0.05	Q				
123+35	0.0000	0.08	Q					128+40	0.0000	0.05	Q				
123+40	0.0000	0.08	Q					128+45	0.0000	0.05	Q				
123+45	0.0000	0.08	Q					128+50	0.0000	0.05	Q				
123+50	0.0000	0.08	Q					128+55	0.0000	0.05	Q				
123+55	0.0000	0.08	Q					129+ 0	0.0000	0.05	Q				
124+ 0	0.0000	0.08	Q					129+ 5	0.0000	0.05	Q				
124+ 5	0.0000	0.08	Q					129+10	0.0000	0.05	Q				
124+10	0.0000	0.08	Q					129+15	0.0000	0.05	Q				
124+15	0.0000	0.08	Q					129+20	0.0000	0.05	Q				
124+20	0.0000	0.08	Q					129+25	0.0000	0.05	Q				
124+25	0.0000	0.08	Q					129+30	0.0000	0.05	Q				
124+30	0.0000	0.08	Q					129+35	0.0000	0.05	Q				
124+35	0.0000	0.08	Q					129+40	0.0000	0.05	Q				
124+40	0.0000	0.08	Q					129+45	0.0000	0.05	Q				
124+45	0.0000	0.07	Q					129+50	0.0000	0.05	Q				
124+50	0.0000	0.07	Q					129+55	0.0000	0.05	Q				
124+55	0.0000	0.07	Q					130+ 0	0.0000	0.05	Q				
125+ 0	0.0000	0.07	Q					130+ 5	0.0000	0.05	Q				
125+ 5	0.0000	0.07	Q					130+10	0.0000	0.05	Q				
125+10	0.0000	0.07	Q					130+15	0.0000	0.05	Q				
125+15	0.0000	0.07	Q					130+20	0.0000	0.05	Q				
125+20	0.0000	0.07	Q					130+25	0.0000	0.05	Q				
125+25	0.0000	0.07	Q					130+30	0.0000	0.05	Q				
125+30	0.0000	0.07	Q					130+35	0.0000	0.04	Q				
125+35	0.0000	0.07	Q					130+40	0.0000	0.04	Q				
125+40	0.0000	0.07	Q					130+45	0.0000	0.04	Q				
125+45	0.0000	0.07	Q					130+50	0.0000	0.04	Q				
125+50	0.0000	0.07	Q					130+55	0.0000	0.04	Q				
125+55	0.0000	0.07	Q					131+ 0	0.0000	0.04	Q				
126+ 0	0.0000	0.07	Q					131+ 5	0.0000	0.04	Q				
126+ 5	0.0000	0.07	Q					131+10	0.0000	0.04	Q				
126+10	0.0000	0.07	Q					131+15	0.0000	0.04	Q				
126+15	0.0000	0.07	Q					131+20	0.0000	0.04	Q				
126+20	0.0000	0.07	Q					131+25	0.0000	0.04	Q				
126+25	0.0000	0.06	Q					131+30	0.0000	0.04	Q				
126+30	0.0000	0.06	Q					131+35	0.0000	0.04	Q				
126+35	0.0000	0.06	Q					131+40	0.0000	0.04	Q				
126+40	0.0000	0.06	Q					131+45	0.0000	0.04	Q				
126+45	0.0000	0.06	Q					131+50	0.0000	0.04	Q				
126+50	0.0000	0.06	Q					131+55	0.0000	0.04	Q				
126+55	0.0000	0.06	Q					132+ 0	0.0000	0.04	Q				
127+ 0	0.0000	0.06	Q					132+ 5	0.0000	0.04	Q				
127+ 5	0.0000	0.06	Q					132+10	0.0000	0.04	Q				
127+10	0.0000	0.06	Q					132+15	0.0000	0.04	Q				
127+15	0.0000	0.06	Q					132+20	0.0000	0.04	Q				
127+20	0.0000	0.06	Q					132+25	0.0000	0.04	Q				
127+25	0.0000	0.06	Q					132+30	0.0000	0.04	Q				
127+30	0.0000	0.06	Q					132+35	0.0000	0.04	Q				
127+35	0.0000	0.06	Q					132+40	0.0000	0.04	Q				
127+40	0.0000	0.06	Q					132+45	0.0000	0.04	Q				
127+45	0.0000	0.06	Q					132+50	0.0000	0.04	Q				
127+50	0.0000	0.06	Q					132+55	0.0000	0.04	Q				
127+55	0.0000	0.06	Q					133+ 0	0.0000	0.04	Q				
128+ 0	0.0000	0.06	Q					133+ 5	0.0000	0.04	Q				
128+ 5	0.0000	0.06	Q					133+10	0.0000	0.04	Q				

133+15	0.0000	0.04	Q	|	|	|	|
133+20	0.0000	0.04	Q	|	|	|	|
133+25	0.0000	0.04	Q	|	|	|	|
133+30	0.0000	0.03	Q	|	|	|	|
133+35	0.0000	0.03	Q	|	|	|	|
133+40	0.0000	0.03	Q	|	|	|	|
133+45	0.0000	0.03	Q	|	|	|	|
133+50	0.0000	0.03	Q	|	|	|	|
133+55	0.0000	0.03	Q	|	|	|	|
134+ 0	0.0000	0.03	Q	|	|	|	|
134+ 5	0.0000	0.03	Q	|	|	|	|
134+10	0.0000	0.03	Q	|	|	|	|
134+15	0.0000	0.03	Q	|	|	|	|
134+20	0.0000	0.03	Q	|	|	|	|
134+25	0.0000	0.03	Q	|	|	|	|
134+30	0.0000	0.03	Q	|	|	|	|
134+35	0.0000	0.03	Q	|	|	|	|
134+40	0.0000	0.03	Q	|	|	|	|
134+45	0.0000	0.03	Q	|	|	|	|
134+50	0.0000	0.03	Q	|	|	|	|
134+55	0.0000	0.03	Q	|	|	|	|
135+ 0	0.0000	0.03	Q	|	|	|	|
135+ 5	0.0000	0.03	Q	|	|	|	|
135+10	0.0000	0.03	Q	|	|	|	|
135+15	0.0000	0.03	Q	|	|	|	|
135+20	0.0000	0.03	Q	|	|	|	|
135+25	0.0000	0.03	Q	|	|	|	|
135+30	0.0000	0.03	Q	|	|	|	|
135+35	0.0000	0.03	Q	|	|	|	|
135+40	0.0000	0.03	Q	|	|	|	|
135+45	0.0000	0.03	Q	|	|	|	|
135+50	0.0000	0.03	Q	|	|	|	|
135+55	0.0000	0.03	Q	|	|	|	|
136+ 0	0.0000	0.03	Q	|	|	|	|
136+ 5	0.0000	0.03	Q	|	|	|	|
136+10	0.0000	0.03	Q	|	|	|	|
136+15	0.0000	0.03	Q	|	|	|	|
136+20	0.0000	0.03	Q	|	|	|	|
136+25	0.0000	0.03	Q	|	|	|	|
136+30	0.0000	0.03	Q	|	|	|	|
136+35	0.0000	0.03	Q	|	|	|	|
136+40	0.0000	0.03	Q	|	|	|	|
136+45	0.0000	0.03	Q	|	|	|	|
136+50	0.0000	0.03	Q	|	|	|	|
136+55	0.0000	0.03	Q	|	|	|	|
137+ 0	0.0000	0.03	Q	|	|	|	|
137+ 5	0.0000	0.03	Q	|	|	|	|
137+10	0.0000	0.03	Q	|	|	|	|
137+15	0.0000	0.03	Q	|	|	|	|
137+20	0.0000	0.03	Q	|	|	|	|
137+25	0.0000	0.02	Q	|	|	|	|
137+30	0.0000	0.02	Q	|	|	|	|
137+35	0.0000	0.02	Q	|	|	|	|
137+40	0.0000	0.02	Q	|	|	|	|
137+45	0.0000	0.02	Q	|	|	|	|
137+50	0.0000	0.02	Q	|	|	|	|
137+55	0.0000	0.02	Q	|	|	|	|
138+ 0	0.0000	0.02	Q	|	|	|	|
138+ 5	0.0000	0.02	Q	|	|	|	|
138+10	0.0000	0.02	Q	|	|	|	|
138+15	0.0000	0.02	Q	|	|	|	|
138+20	0.0000	0.02	Q	|	|	|	|
138+25	0.0000	0.02	Q	|	|	|	|
138+30	0.0000	0.02	Q	|	|	|	|
138+35	0.0000	0.02	Q	|	|	|	|
138+40	0.0000	0.02	Q	|	|	|	|
138+45	0.0000	0.02	Q	|	|	|	|
138+50	0.0000	0.02	Q	|	|	|	|
138+55	0.0000	0.02	Q	|	|	|	|
139+ 0	0.0000	0.02	Q	|	|	|	|
139+ 5	0.0000	0.02	Q	|	|	|	|
139+10	0.0000	0.02	Q	|	|	|	|
139+15	0.0000	0.02	Q	|	|	|	|
139+20	0.0000	0.02	Q	|	|	|	|
139+25	0.0000	0.02	Q	|	|	|	|
139+30	0.0000	0.02	Q	|	|	|	|
139+35	0.0000	0.02	Q	|	|	|	|
139+40	0.0000	0.02	Q	|	|	|	|
139+45	0.0000	0.02	Q	|	|	|	|
139+50	0.0000	0.02	Q	|	|	|	|
139+55	0.0000	0.02	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 2093
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 51.319 (CFS)
Total volume = 36.434 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

ROUTING TO CP4
AREAS 4A, 4B, 4C, 4D, 4E, 4F, AND 4G
BASINS 2, 3, AND 4

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                  FLOOD HYDROGRAPH ROUTING PROGRAM
            Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                        Study date: 02/13/24


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MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 3 HOUR
AREAS 4A, 4B, 4C, 4D, 4E, 4F & 4G
2/09/24
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Program License Serial Number 6406

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******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP4D1003100.rte
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =    45
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =      146.620 (CFS)
                Total volume =      13.435 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.100 to Point/Station        4.200
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 45
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.581      0.200      0.580        0.582
  2.000      1.217      0.290      1.216        1.218
  3.000      1.908      0.360      1.907        1.909
  4.000      2.657      0.420      2.656        2.658
  5.000      3.465      0.470      3.463        3.467
  6.000      4.333      0.510      4.331        4.335
  7.000      5.263      0.550      5.261        5.265
  8.000      6.257      0.590      6.255        6.259
  9.000      7.318      0.630      7.316        7.320
 10.000      8.448      0.660      8.446        8.450
 11.000      9.650      0.690      9.648        9.652
 12.000     10.898      0.730     10.895       10.901
 13.000     12.216      0.760     12.213       12.219
 14.000     13.633      0.780     13.630       13.636
 15.000     15.123     12.850     15.079       15.167
 16.000     16.688     24.780     16.603       16.773
 17.000     18.331     37.080     18.203       18.459
 18.000     20.053     84.390     19.762       20.344
 19.000     21.854    162.420     21.295       22.413
------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0      36.7   73.31  109.96 146.62 (Ft.)
 0.083    1.93    0.00      0.007  O       |       |       |       |     0.01
 0.167   12.64    0.02      0.057  O I     |       |       |       |     0.10
 0.250   18.43    0.06      0.163  O   I   |       |       |       |     0.28
 0.333   19.60    0.10      0.294  O   I   |       |       |       |     0.51
 0.417   23.57    0.15      0.442  O    I  |       |       |       |     0.76
 0.500   26.39    0.20      0.612  O    I  |       |       |       |     1.05
 0.583   29.56    0.23      0.804  O     I |       |       |       |     1.35
 0.667   29.33    0.26      1.005  O     I |       |       |       |     1.67
 0.750   31.44    0.29      1.212  O     I |       |       |       |     1.99
 0.833   32.34    0.31      1.430  O      I|       |       |       |     2.31
 0.917   30.13    0.33      1.643  O     I |       |       |       |     2.62
 1.000   30.06    0.35      1.847  O     I |       |       |       |     2.91
 1.083   32.70    0.37      2.061  O      I|       |       |       |     3.20
 1.167   37.52    0.39      2.300  O       I       |       |       |     3.52
 1.250   40.11    0.41      2.565  O       I       |       |       |     3.88
 1.333   40.85    0.43      2.841  O       I       |       |       |     4.23
 1.417   40.51    0.45      3.118  O       I       |       |       |     4.57
 1.500   45.53    0.47      3.411  O       |I      |       |       |     4.93
 1.583   48.91    0.48      3.733  O       | I     |       |       |     5.31
 1.667   48.22    0.50      4.064  O       | I     |       |       |     5.69
 1.750   51.30    0.51      4.403  O       |  I    |       |       |     6.08
 1.833   58.05    0.53      4.776  O       |   I   |       |       |     6.48
 1.917   59.51    0.55      5.177  O       |   I   |       |       |     6.91
 2.000   58.21    0.56      5.579  O       |   I   |       |       |     7.32
 2.083   58.64    0.58      5.977  O       |   I   |       |       |     7.72
 2.167   61.72    0.59      6.388  O       |    I  |       |       |     8.12
 2.250   74.12    0.61      6.851  O       |       I       |       |     8.56
 2.333   85.45    0.63      7.397  O       |       | I     |       |     9.07
 2.417   83.68    0.65      7.975  O       |       | I     |       |     9.58
 2.500  110.77    0.66      8.640  O       |       |       I       |    10.16
 2.583  133.33    0.69      9.475  O       |       |       |    I  |    10.85
 2.667  146.62    0.72     10.435  O       |       |       |       I    11.63
 2.750  127.20    0.74     11.373  O       |       |       |  I    |    12.36
 2.833   81.16    0.76     12.085  O       |       |I      |       |    12.90
 2.917   54.84    0.76     12.548  O       |  I    |       |       |    13.23
 3.000   41.65    0.77     12.875  O       |I      |       |       |    13.47
 3.083   24.05    0.77     13.096  O    I  |       |       |       |    13.62
 3.167   11.16    0.77     13.212  O I     |       |       |       |    13.70
 3.250    5.35    0.77     13.263  OI      |       |       |       |    13.74
 3.333    2.46    0.78     13.285  O       |       |       |       |    13.75
```

3.417	0.99	0.78	13.291	O	|	|	|	|	13.76	8.583	0.00	0.77	12.970	O	|	|	|	|	13.53
3.500	0.45	0.78	13.291	O	|	|	|	|	13.76	8.667	0.00	0.77	12.965	O	|	|	|	|	13.53
3.583	0.23	0.78	13.288	O	|	|	|	|	13.76	8.750	0.00	0.77	12.959	O	|	|	|	|	13.52
3.667	0.08	0.78	13.284	O	|	|	|	|	13.75	8.833	0.00	0.77	12.954	O	|	|	|	|	13.52
3.750	0.01	0.77	13.279	O	|	|	|	|	13.75	8.917	0.00	0.77	12.949	O	|	|	|	|	13.52
3.833	0.00	0.77	13.273	O	|	|	|	|	13.75	9.000	0.00	0.77	12.944	O	|	|	|	|	13.51
3.917	0.00	0.77	13.268	O	|	|	|	|	13.74	9.083	0.00	0.77	12.938	O	|	|	|	|	13.51
4.000	0.00	0.77	13.263	O	|	|	|	|	13.74	9.167	0.00	0.77	12.933	O	|	|	|	|	13.51
4.083	0.00	0.77	13.257	O	|	|	|	|	13.73	9.250	0.00	0.77	12.928	O	|	|	|	|	13.50
4.167	0.00	0.77	13.252	O	|	|	|	|	13.73	9.333	0.00	0.77	12.922	O	|	|	|	|	13.50
4.250	0.00	0.77	13.247	O	|	|	|	|	13.73	9.417	0.00	0.77	12.917	O	|	|	|	|	13.49
4.333	0.00	0.77	13.241	O	|	|	|	|	13.72	9.500	0.00	0.77	12.912	O	|	|	|	|	13.49
4.417	0.00	0.77	13.236	O	|	|	|	|	13.72	9.583	0.00	0.77	12.906	O	|	|	|	|	13.49
4.500	0.00	0.77	13.231	O	|	|	|	|	13.72	9.667	0.00	0.77	12.901	O	|	|	|	|	13.48
4.583	0.00	0.77	13.225	O	|	|	|	|	13.71	9.750	0.00	0.77	12.896	O	|	|	|	|	13.48
4.667	0.00	0.77	13.220	O	|	|	|	|	13.71	9.833	0.00	0.77	12.890	O	|	|	|	|	13.48
4.750	0.00	0.77	13.215	O	|	|	|	|	13.70	9.917	0.00	0.77	12.885	O	|	|	|	|	13.47
4.833	0.00	0.77	13.209	O	|	|	|	|	13.70	10.000	0.00	0.77	12.880	O	|	|	|	|	13.47
4.917	0.00	0.77	13.204	O	|	|	|	|	13.70	10.083	0.00	0.77	12.875	O	|	|	|	|	13.46
5.000	0.00	0.77	13.199	O	|	|	|	|	13.69	10.167	0.00	0.77	12.869	O	|	|	|	|	13.46
5.083	0.00	0.77	13.193	O	|	|	|	|	13.69	10.250	0.00	0.77	12.864	O	|	|	|	|	13.46
5.167	0.00	0.77	13.188	O	|	|	|	|	13.69	10.333	0.00	0.77	12.859	O	|	|	|	|	13.45
5.250	0.00	0.77	13.183	O	|	|	|	|	13.68	10.417	0.00	0.77	12.853	O	|	|	|	|	13.45
5.333	0.00	0.77	13.177	O	|	|	|	|	13.68	10.500	0.00	0.77	12.848	O	|	|	|	|	13.45
5.417	0.00	0.77	13.172	O	|	|	|	|	13.67	10.583	0.00	0.77	12.843	O	|	|	|	|	13.44
5.500	0.00	0.77	13.167	O	|	|	|	|	13.67	10.667	0.00	0.77	12.838	O	|	|	|	|	13.44
5.583	0.00	0.77	13.161	O	|	|	|	|	13.67	10.750	0.00	0.77	12.832	O	|	|	|	|	13.43
5.667	0.00	0.77	13.156	O	|	|	|	|	13.66	10.833	0.00	0.77	12.827	O	|	|	|	|	13.43
5.750	0.00	0.77	13.151	O	|	|	|	|	13.66	10.917	0.00	0.77	12.822	O	|	|	|	|	13.43
5.833	0.00	0.77	13.145	O	|	|	|	|	13.66	11.000	0.00	0.77	12.816	O	|	|	|	|	13.42
5.917	0.00	0.77	13.140	O	|	|	|	|	13.65	11.083	0.00	0.77	12.811	O	|	|	|	|	13.42
6.000	0.00	0.77	13.135	O	|	|	|	|	13.65	11.167	0.00	0.77	12.806	O	|	|	|	|	13.42
6.083	0.00	0.77	13.129	O	|	|	|	|	13.64	11.250	0.00	0.77	12.800	O	|	|	|	|	13.41
6.167	0.00	0.77	13.124	O	|	|	|	|	13.64	11.333	0.00	0.77	12.795	O	|	|	|	|	13.41
6.250	0.00	0.77	13.119	O	|	|	|	|	13.64	11.417	0.00	0.77	12.790	O	|	|	|	|	13.40
6.333	0.00	0.77	13.114	O	|	|	|	|	13.63	11.500	0.00	0.77	12.785	O	|	|	|	|	13.40
6.417	0.00	0.77	13.108	O	|	|	|	|	13.63	11.583	0.00	0.77	12.779	O	|	|	|	|	13.40
6.500	0.00	0.77	13.103	O	|	|	|	|	13.63	11.667	0.00	0.77	12.774	O	|	|	|	|	13.39
6.583	0.00	0.77	13.098	O	|	|	|	|	13.62	11.750	0.00	0.77	12.769	O	|	|	|	|	13.39
6.667	0.00	0.77	13.092	O	|	|	|	|	13.62	11.833	0.00	0.77	12.763	O	|	|	|	|	13.39
6.750	0.00	0.77	13.087	O	|	|	|	|	13.61	11.917	0.00	0.77	12.758	O	|	|	|	|	13.38
6.833	0.00	0.77	13.082	O	|	|	|	|	13.61	12.000	0.00	0.77	12.753	O	|	|	|	|	13.38
6.917	0.00	0.77	13.076	O	|	|	|	|	13.61	12.083	0.00	0.77	12.748	O	|	|	|	|	13.38
7.000	0.00	0.77	13.071	O	|	|	|	|	13.60	12.167	0.00	0.77	12.742	O	|	|	|	|	13.37
7.083	0.00	0.77	13.066	O	|	|	|	|	13.60	12.250	0.00	0.77	12.737	O	|	|	|	|	13.37
7.167	0.00	0.77	13.060	O	|	|	|	|	13.60	12.333	0.00	0.77	12.732	O	|	|	|	|	13.36
7.250	0.00	0.77	13.055	O	|	|	|	|	13.59	12.417	0.00	0.77	12.726	O	|	|	|	|	13.36
7.333	0.00	0.77	13.050	O	|	|	|	|	13.59	12.500	0.00	0.77	12.721	O	|	|	|	|	13.36
7.417	0.00	0.77	13.044	O	|	|	|	|	13.58	12.583	0.00	0.77	12.716	O	|	|	|	|	13.35
7.500	0.00	0.77	13.039	O	|	|	|	|	13.58	12.667	0.00	0.77	12.711	O	|	|	|	|	13.35
7.583	0.00	0.77	13.034	O	|	|	|	|	13.58	12.750	0.00	0.77	12.705	O	|	|	|	|	13.35
7.667	0.00	0.77	13.028	O	|	|	|	|	13.57	12.833	0.00	0.77	12.700	O	|	|	|	|	13.34
7.750	0.00	0.77	13.023	O	|	|	|	|	13.57	12.917	0.00	0.77	12.695	O	|	|	|	|	13.34
7.833	0.00	0.77	13.018	O	|	|	|	|	13.57	13.000	0.00	0.77	12.689	O	|	|	|	|	13.33
7.917	0.00	0.77	13.013	O	|	|	|	|	13.56	13.083	0.00	0.77	12.684	O	|	|	|	|	13.33
8.000	0.00	0.77	13.007	O	|	|	|	|	13.56	13.167	0.00	0.77	12.679	O	|	|	|	|	13.33
8.083	0.00	0.77	13.002	O	|	|	|	|	13.55	13.250	0.00	0.77	12.674	O	|	|	|	|	13.32
8.167	0.00	0.77	12.997	O	|	|	|	|	13.55	13.333	0.00	0.77	12.668	O	|	|	|	|	13.32
8.250	0.00	0.77	12.991	O	|	|	|	|	13.55	13.417	0.00	0.77	12.663	O	|	|	|	|	13.32
8.333	0.00	0.77	12.986	O	|	|	|	|	13.54	13.500	0.00	0.77	12.658	O	|	|	|	|	13.31
8.417	0.00	0.77	12.981	O	|	|	|	|	13.54	13.583	0.00	0.77	12.653	O	|	|	|	|	13.31
8.500	0.00	0.77	12.975	O	|	|	|	|	13.54	13.667	0.00	0.77	12.647	O	|	|	|	|	13.30

13.750	0.00	0.77	12.642	O	|	|	|	|	13.30	18.917	0.00	0.76	12.316	O	|	|	|	|	13.07
13.833	0.00	0.77	12.637	O	|	|	|	|	13.30	19.000	0.00	0.76	12.311	O	|	|	|	|	13.07
13.917	0.00	0.77	12.631	O	|	|	|	|	13.29	19.083	0.00	0.76	12.305	O	|	|	|	|	13.06
14.000	0.00	0.77	12.626	O	|	|	|	|	13.29	19.167	0.00	0.76	12.300	O	|	|	|	|	13.06
14.083	0.00	0.77	12.621	O	|	|	|	|	13.29	19.250	0.00	0.76	12.295	O	|	|	|	|	13.06
14.167	0.00	0.77	12.616	O	|	|	|	|	13.28	19.333	0.00	0.76	12.290	O	|	|	|	|	13.05
14.250	0.00	0.77	12.610	O	|	|	|	|	13.28	19.417	0.00	0.76	12.284	O	|	|	|	|	13.05
14.333	0.00	0.77	12.605	O	|	|	|	|	13.27	19.500	0.00	0.76	12.279	O	|	|	|	|	13.04
14.417	0.00	0.77	12.600	O	|	|	|	|	13.27	19.583	0.00	0.76	12.274	O	|	|	|	|	13.04
14.500	0.00	0.77	12.595	O	|	|	|	|	13.27	19.667	0.00	0.76	12.269	O	|	|	|	|	13.04
14.583	0.00	0.77	12.589	O	|	|	|	|	13.26	19.750	0.00	0.76	12.263	O	|	|	|	|	13.03
14.667	0.00	0.77	12.584	O	|	|	|	|	13.26	19.833	0.00	0.76	12.258	O	|	|	|	|	13.03
14.750	0.00	0.77	12.579	O	|	|	|	|	13.26	19.917	0.00	0.76	12.253	O	|	|	|	|	13.03
14.833	0.00	0.77	12.573	O	|	|	|	|	13.25	20.000	0.00	0.76	12.248	O	|	|	|	|	13.02
14.917	0.00	0.76	12.568	O	|	|	|	|	13.25	20.083	0.00	0.76	12.242	O	|	|	|	|	13.02
15.000	0.00	0.76	12.563	O	|	|	|	|	13.24	20.167	0.00	0.76	12.237	O	|	|	|	|	13.02
15.083	0.00	0.76	12.558	O	|	|	|	|	13.24	20.250	0.00	0.76	12.232	O	|	|	|	|	13.01
15.167	0.00	0.76	12.552	O	|	|	|	|	13.24	20.333	0.00	0.76	12.227	O	|	|	|	|	13.01
15.250	0.00	0.76	12.547	O	|	|	|	|	13.23	20.417	0.00	0.76	12.222	O	|	|	|	|	13.00
15.333	0.00	0.76	12.542	O	|	|	|	|	13.23	20.500	0.00	0.76	12.216	O	|	|	|	|	13.00
15.417	0.00	0.76	12.537	O	|	|	|	|	13.23	20.583	0.00	0.76	12.211	O	|	|	|	|	13.00
15.500	0.00	0.76	12.531	O	|	|	|	|	13.22	20.667	0.00	0.76	12.206	O	|	|	|	|	12.99
15.583	0.00	0.76	12.526	O	|	|	|	|	13.22	20.750	0.00	0.76	12.201	O	|	|	|	|	12.99
15.667	0.00	0.76	12.521	O	|	|	|	|	13.22	20.833	0.00	0.76	12.195	O	|	|	|	|	12.98
15.750	0.00	0.76	12.515	O	|	|	|	|	13.21	20.917	0.00	0.76	12.190	O	|	|	|	|	12.98
15.833	0.00	0.76	12.510	O	|	|	|	|	13.21	21.000	0.00	0.76	12.185	O	|	|	|	|	12.98
15.917	0.00	0.76	12.505	O	|	|	|	|	13.20	21.083	0.00	0.76	12.180	O	|	|	|	|	12.97
16.000	0.00	0.76	12.500	O	|	|	|	|	13.20	21.167	0.00	0.76	12.174	O	|	|	|	|	12.97
16.083	0.00	0.76	12.494	O	|	|	|	|	13.20	21.250	0.00	0.76	12.169	O	|	|	|	|	12.96
16.167	0.00	0.76	12.489	O	|	|	|	|	13.19	21.333	0.00	0.76	12.164	O	|	|	|	|	12.96
16.250	0.00	0.76	12.484	O	|	|	|	|	13.19	21.417	0.00	0.76	12.159	O	|	|	|	|	12.96
16.333	0.00	0.76	12.479	O	|	|	|	|	13.19	21.500	0.00	0.76	12.154	O	|	|	|	|	12.95
16.417	0.00	0.76	12.473	O	|	|	|	|	13.18	21.583	0.00	0.76	12.148	O	|	|	|	|	12.95
16.500	0.00	0.76	12.468	O	|	|	|	|	13.18	21.667	0.00	0.76	12.143	O	|	|	|	|	12.94
16.583	0.00	0.76	12.463	O	|	|	|	|	13.17	21.750	0.00	0.76	12.138	O	|	|	|	|	12.94
16.667	0.00	0.76	12.458	O	|	|	|	|	13.17	21.833	0.00	0.76	12.133	O	|	|	|	|	12.94
16.750	0.00	0.76	12.452	O	|	|	|	|	13.17	21.917	0.00	0.76	12.127	O	|	|	|	|	12.93
16.833	0.00	0.76	12.447	O	|	|	|	|	13.16	22.000	0.00	0.76	12.122	O	|	|	|	|	12.93
16.917	0.00	0.76	12.442	O	|	|	|	|	13.16	22.083	0.00	0.76	12.117	O	|	|	|	|	12.92
17.000	0.00	0.76	12.437	O	|	|	|	|	13.16	22.167	0.00	0.76	12.112	O	|	|	|	|	12.92
17.083	0.00	0.76	12.431	O	|	|	|	|	13.15	22.250	0.00	0.76	12.107	O	|	|	|	|	12.92
17.167	0.00	0.76	12.426	O	|	|	|	|	13.15	22.333	0.00	0.76	12.101	O	|	|	|	|	12.91
17.250	0.00	0.76	12.421	O	|	|	|	|	13.14	22.417	0.00	0.76	12.096	O	|	|	|	|	12.91
17.333	0.00	0.76	12.416	O	|	|	|	|	13.14	22.500	0.00	0.76	12.091	O	|	|	|	|	12.91
17.417	0.00	0.76	12.410	O	|	|	|	|	13.14	22.583	0.00	0.76	12.086	O	|	|	|	|	12.90
17.500	0.00	0.76	12.405	O	|	|	|	|	13.13	22.667	0.00	0.76	12.081	O	|	|	|	|	12.90
17.583	0.00	0.76	12.400	O	|	|	|	|	13.13	22.750	0.00	0.76	12.075	O	|	|	|	|	12.89
17.667	0.00	0.76	12.395	O	|	|	|	|	13.13	22.833	0.00	0.76	12.070	O	|	|	|	|	12.89
17.750	0.00	0.76	12.389	O	|	|	|	|	13.12	22.917	0.00	0.76	12.065	O	|	|	|	|	12.89
17.833	0.00	0.76	12.384	O	|	|	|	|	13.12	23.000	0.00	0.76	12.060	O	|	|	|	|	12.88
17.917	0.00	0.76	12.379	O	|	|	|	|	13.11	23.083	0.00	0.76	12.054	O	|	|	|	|	12.88
18.000	0.00	0.76	12.374	O	|	|	|	|	13.11	23.167	0.00	0.76	12.049	O	|	|	|	|	12.87
18.083	0.00	0.76	12.368	O	|	|	|	|	13.11	23.250	0.00	0.76	12.044	O	|	|	|	|	12.87
18.167	0.00	0.76	12.363	O	|	|	|	|	13.10	23.333	0.00	0.76	12.039	O	|	|	|	|	12.87
18.250	0.00	0.76	12.358	O	|	|	|	|	13.10	23.417	0.00	0.76	12.034	O	|	|	|	|	12.86
18.333	0.00	0.76	12.353	O	|	|	|	|	13.10	23.500	0.00	0.76	12.028	O	|	|	|	|	12.86
18.417	0.00	0.76	12.347	O	|	|	|	|	13.09	23.583	0.00	0.76	12.023	O	|	|	|	|	12.85
18.500	0.00	0.76	12.342	O	|	|	|	|	13.09	23.667	0.00	0.76	12.018	O	|	|	|	|	12.85
18.583	0.00	0.76	12.337	O	|	|	|	|	13.09	23.750	0.00	0.76	12.013	O	|	|	|	|	12.85
18.667	0.00	0.76	12.332	O	|	|	|	|	13.08	23.833	0.00	0.76	12.008	O	|	|	|	|	12.84
18.750	0.00	0.76	12.326	O	|	|	|	|	13.08	23.917	0.00	0.76	12.002	O	|	|	|	|	12.84
18.833	0.00	0.76	12.321	O	|	|	|	|	13.07	24.000	0.00	0.76	11.997	O	|	|	|	|	12.83

24.083	0.00	0.75	11.992	O	|	|	|	|	12.83	29.250	0.00	0.75	11.671	O	|	|	|	|	12.59
24.167	0.00	0.75	11.987	O	|	|	|	|	12.83	29.333	0.00	0.75	11.666	O	|	|	|	|	12.58
24.250	0.00	0.75	11.982	O	|	|	|	|	12.82	29.417	0.00	0.75	11.661	O	|	|	|	|	12.58
24.333	0.00	0.75	11.976	O	|	|	|	|	12.82	29.500	0.00	0.75	11.656	O	|	|	|	|	12.57
24.417	0.00	0.75	11.971	O	|	|	|	|	12.81	29.583	0.00	0.75	11.651	O	|	|	|	|	12.57
24.500	0.00	0.75	11.966	O	|	|	|	|	12.81	29.667	0.00	0.75	11.645	O	|	|	|	|	12.57
24.583	0.00	0.75	11.961	O	|	|	|	|	12.81	29.750	0.00	0.75	11.640	O	|	|	|	|	12.56
24.667	0.00	0.75	11.956	O	|	|	|	|	12.80	29.833	0.00	0.75	11.635	O	|	|	|	|	12.56
24.750	0.00	0.75	11.950	O	|	|	|	|	12.80	29.917	0.00	0.75	11.630	O	|	|	|	|	12.56
24.833	0.00	0.75	11.945	O	|	|	|	|	12.79	30.000	0.00	0.75	11.625	O	|	|	|	|	12.55
24.917	0.00	0.75	11.940	O	|	|	|	|	12.79	30.083	0.00	0.75	11.620	O	|	|	|	|	12.55
25.000	0.00	0.75	11.935	O	|	|	|	|	12.79	30.167	0.00	0.75	11.615	O	|	|	|	|	12.54
25.083	0.00	0.75	11.930	O	|	|	|	|	12.78	30.250	0.00	0.75	11.609	O	|	|	|	|	12.54
25.167	0.00	0.75	11.924	O	|	|	|	|	12.78	30.333	0.00	0.75	11.604	O	|	|	|	|	12.54
25.250	0.00	0.75	11.919	O	|	|	|	|	12.77	30.417	0.00	0.75	11.599	O	|	|	|	|	12.53
25.333	0.00	0.75	11.914	O	|	|	|	|	12.77	30.500	0.00	0.75	11.594	O	|	|	|	|	12.53
25.417	0.00	0.75	11.909	O	|	|	|	|	12.77	30.583	0.00	0.75	11.589	O	|	|	|	|	12.52
25.500	0.00	0.75	11.904	O	|	|	|	|	12.76	30.667	0.00	0.75	11.584	O	|	|	|	|	12.52
25.583	0.00	0.75	11.899	O	|	|	|	|	12.76	30.750	0.00	0.75	11.579	O	|	|	|	|	12.52
25.667	0.00	0.75	11.893	O	|	|	|	|	12.76	30.833	0.00	0.75	11.574	O	|	|	|	|	12.51
25.750	0.00	0.75	11.888	O	|	|	|	|	12.75	30.917	0.00	0.75	11.568	O	|	|	|	|	12.51
25.833	0.00	0.75	11.883	O	|	|	|	|	12.75	31.000	0.00	0.75	11.563	O	|	|	|	|	12.50
25.917	0.00	0.75	11.878	O	|	|	|	|	12.74	31.083	0.00	0.75	11.558	O	|	|	|	|	12.50
26.000	0.00	0.75	11.873	O	|	|	|	|	12.74	31.167	0.00	0.74	11.553	O	|	|	|	|	12.50
26.083	0.00	0.75	11.867	O	|	|	|	|	12.74	31.250	0.00	0.74	11.548	O	|	|	|	|	12.49
26.167	0.00	0.75	11.862	O	|	|	|	|	12.73	31.333	0.00	0.74	11.543	O	|	|	|	|	12.49
26.250	0.00	0.75	11.857	O	|	|	|	|	12.73	31.417	0.00	0.74	11.538	O	|	|	|	|	12.49
26.333	0.00	0.75	11.852	O	|	|	|	|	12.72	31.500	0.00	0.74	11.533	O	|	|	|	|	12.48
26.417	0.00	0.75	11.847	O	|	|	|	|	12.72	31.583	0.00	0.74	11.527	O	|	|	|	|	12.48
26.500	0.00	0.75	11.842	O	|	|	|	|	12.72	31.667	0.00	0.74	11.522	O	|	|	|	|	12.47
26.583	0.00	0.75	11.836	O	|	|	|	|	12.71	31.750	0.00	0.74	11.517	O	|	|	|	|	12.47
26.667	0.00	0.75	11.831	O	|	|	|	|	12.71	31.833	0.00	0.74	11.512	O	|	|	|	|	12.47
26.750	0.00	0.75	11.826	O	|	|	|	|	12.70	31.917	0.00	0.74	11.507	O	|	|	|	|	12.46
26.833	0.00	0.75	11.821	O	|	|	|	|	12.70	32.000	0.00	0.74	11.502	O	|	|	|	|	12.46
26.917	0.00	0.75	11.816	O	|	|	|	|	12.70	32.083	0.00	0.74	11.497	O	|	|	|	|	12.45
27.000	0.00	0.75	11.811	O	|	|	|	|	12.69	32.167	0.00	0.74	11.492	O	|	|	|	|	12.45
27.083	0.00	0.75	11.805	O	|	|	|	|	12.69	32.250	0.00	0.74	11.486	O	|	|	|	|	12.45
27.167	0.00	0.75	11.800	O	|	|	|	|	12.68	32.333	0.00	0.74	11.481	O	|	|	|	|	12.44
27.250	0.00	0.75	11.795	O	|	|	|	|	12.68	32.417	0.00	0.74	11.476	O	|	|	|	|	12.44
27.333	0.00	0.75	11.790	O	|	|	|	|	12.68	32.500	0.00	0.74	11.471	O	|	|	|	|	12.43
27.417	0.00	0.75	11.785	O	|	|	|	|	12.67	32.583	0.00	0.74	11.466	O	|	|	|	|	12.43
27.500	0.00	0.75	11.780	O	|	|	|	|	12.67	32.667	0.00	0.74	11.461	O	|	|	|	|	12.43
27.583	0.00	0.75	11.774	O	|	|	|	|	12.66	32.750	0.00	0.74	11.456	O	|	|	|	|	12.42
27.667	0.00	0.75	11.769	O	|	|	|	|	12.66	32.833	0.00	0.74	11.451	O	|	|	|	|	12.42
27.750	0.00	0.75	11.764	O	|	|	|	|	12.66	32.917	0.00	0.74	11.445	O	|	|	|	|	12.42
27.833	0.00	0.75	11.759	O	|	|	|	|	12.65	33.000	0.00	0.74	11.440	O	|	|	|	|	12.41
27.917	0.00	0.75	11.754	O	|	|	|	|	12.65	33.083	0.00	0.74	11.435	O	|	|	|	|	12.41
28.000	0.00	0.75	11.749	O	|	|	|	|	12.65	33.167	0.00	0.74	11.430	O	|	|	|	|	12.40
28.083	0.00	0.75	11.743	O	|	|	|	|	12.64	33.250	0.00	0.74	11.425	O	|	|	|	|	12.40
28.167	0.00	0.75	11.738	O	|	|	|	|	12.64	33.333	0.00	0.74	11.420	O	|	|	|	|	12.40
28.250	0.00	0.75	11.733	O	|	|	|	|	12.63	33.417	0.00	0.74	11.415	O	|	|	|	|	12.39
28.333	0.00	0.75	11.728	O	|	|	|	|	12.63	33.500	0.00	0.74	11.410	O	|	|	|	|	12.39
28.417	0.00	0.75	11.723	O	|	|	|	|	12.63	33.583	0.00	0.74	11.405	O	|	|	|	|	12.38
28.500	0.00	0.75	11.718	O	|	|	|	|	12.62	33.667	0.00	0.74	11.399	O	|	|	|	|	12.38
28.583	0.00	0.75	11.712	O	|	|	|	|	12.62	33.750	0.00	0.74	11.394	O	|	|	|	|	12.38
28.667	0.00	0.75	11.707	O	|	|	|	|	12.61	33.833	0.00	0.74	11.389	O	|	|	|	|	12.37
28.750	0.00	0.75	11.702	O	|	|	|	|	12.61	33.917	0.00	0.74	11.384	O	|	|	|	|	12.37
28.833	0.00	0.75	11.697	O	|	|	|	|	12.61	34.000	0.00	0.74	11.379	O	|	|	|	|	12.36
28.917	0.00	0.75	11.692	O	|	|	|	|	12.60	34.083	0.00	0.74	11.374	O	|	|	|	|	12.36
29.000	0.00	0.75	11.687	O	|	|	|	|	12.60	34.167	0.00	0.74	11.369	O	|	|	|	|	12.36
29.083	0.00	0.75	11.682	O	|	|	|	|	12.59	34.250	0.00	0.74	11.364	O	|	|	|	|	12.35
29.167	0.00	0.75	11.676	O	|	|	|	|	12.59	34.333	0.00	0.74	11.359	O	|	|	|	|	12.35

34.417	0.00	0.74	11.354	O	|	|	|	|	12.35	39.583	0.00	0.73	11.039	O	|	|	|	|	12.11
34.500	0.00	0.74	11.348	O	|	|	|	|	12.34	39.667	0.00	0.73	11.034	O	|	|	|	|	12.10
34.583	0.00	0.74	11.343	O	|	|	|	|	12.34	39.750	0.00	0.73	11.029	O	|	|	|	|	12.10
34.667	0.00	0.74	11.338	O	|	|	|	|	12.33	39.833	0.00	0.73	11.024	O	|	|	|	|	12.10
34.750	0.00	0.74	11.333	O	|	|	|	|	12.33	39.917	0.00	0.73	11.019	O	|	|	|	|	12.09
34.833	0.00	0.74	11.328	O	|	|	|	|	12.33	40.000	0.00	0.73	11.014	O	|	|	|	|	12.09
34.917	0.00	0.74	11.323	O	|	|	|	|	12.32	40.083	0.00	0.73	11.009	O	|	|	|	|	12.08
35.000	0.00	0.74	11.318	O	|	|	|	|	12.32	40.167	0.00	0.73	11.004	O	|	|	|	|	12.08
35.083	0.00	0.74	11.313	O	|	|	|	|	12.31	40.250	0.00	0.73	10.999	O	|	|	|	|	12.08
35.167	0.00	0.74	11.308	O	|	|	|	|	12.31	40.333	0.00	0.73	10.994	O	|	|	|	|	12.07
35.250	0.00	0.74	11.303	O	|	|	|	|	12.31	40.417	0.00	0.73	10.988	O	|	|	|	|	12.07
35.333	0.00	0.74	11.298	O	|	|	|	|	12.30	40.500	0.00	0.73	10.983	O	|	|	|	|	12.06
35.417	0.00	0.74	11.292	O	|	|	|	|	12.30	40.583	0.00	0.73	10.978	O	|	|	|	|	12.06
35.500	0.00	0.74	11.287	O	|	|	|	|	12.30	40.667	0.00	0.73	10.973	O	|	|	|	|	12.06
35.583	0.00	0.74	11.282	O	|	|	|	|	12.29	40.750	0.00	0.73	10.968	O	|	|	|	|	12.05
35.667	0.00	0.74	11.277	O	|	|	|	|	12.29	40.833	0.00	0.73	10.963	O	|	|	|	|	12.05
35.750	0.00	0.74	11.272	O	|	|	|	|	12.28	40.917	0.00	0.73	10.958	O	|	|	|	|	12.05
35.833	0.00	0.74	11.267	O	|	|	|	|	12.28	41.000	0.00	0.73	10.953	O	|	|	|	|	12.04
35.917	0.00	0.74	11.262	O	|	|	|	|	12.28	41.083	0.00	0.73	10.948	O	|	|	|	|	12.04
36.000	0.00	0.74	11.257	O	|	|	|	|	12.27	41.167	0.00	0.73	10.943	O	|	|	|	|	12.03
36.083	0.00	0.74	11.252	O	|	|	|	|	12.27	41.250	0.00	0.73	10.938	O	|	|	|	|	12.03
36.167	0.00	0.74	11.247	O	|	|	|	|	12.26	41.333	0.00	0.73	10.933	O	|	|	|	|	12.03
36.250	0.00	0.74	11.242	O	|	|	|	|	12.26	41.417	0.00	0.73	10.928	O	|	|	|	|	12.02
36.333	0.00	0.74	11.236	O	|	|	|	|	12.26	41.500	0.00	0.73	10.923	O	|	|	|	|	12.02
36.417	0.00	0.74	11.231	O	|	|	|	|	12.25	41.583	0.00	0.73	10.918	O	|	|	|	|	12.02
36.500	0.00	0.74	11.226	O	|	|	|	|	12.25	41.667	0.00	0.73	10.913	O	|	|	|	|	12.01
36.583	0.00	0.74	11.221	O	|	|	|	|	12.25	41.750	0.00	0.73	10.908	O	|	|	|	|	12.01
36.667	0.00	0.74	11.216	O	|	|	|	|	12.24	41.833	0.00	0.73	10.903	O	|	|	|	|	12.00
36.750	0.00	0.74	11.211	O	|	|	|	|	12.24	41.917	0.00	0.73	10.898	O	|	|	|	|	12.00
36.833	0.00	0.74	11.206	O	|	|	|	|	12.23	42.000	0.00	0.73	10.893	O	|	|	|	|	12.00
36.917	0.00	0.74	11.201	O	|	|	|	|	12.23	42.083	0.00	0.73	10.888	O	|	|	|	|	11.99
37.000	0.00	0.74	11.196	O	|	|	|	|	12.23	42.167	0.00	0.73	10.883	O	|	|	|	|	11.99
37.083	0.00	0.74	11.191	O	|	|	|	|	12.22	42.250	0.00	0.73	10.878	O	|	|	|	|	11.98
37.167	0.00	0.74	11.186	O	|	|	|	|	12.22	42.333	0.00	0.73	10.873	O	|	|	|	|	11.98
37.250	0.00	0.74	11.181	O	|	|	|	|	12.21	42.417	0.00	0.73	10.868	O	|	|	|	|	11.98
37.333	0.00	0.74	11.176	O	|	|	|	|	12.21	42.500	0.00	0.73	10.863	O	|	|	|	|	11.97
37.417	0.00	0.74	11.171	O	|	|	|	|	12.21	42.583	0.00	0.73	10.858	O	|	|	|	|	11.97
37.500	0.00	0.74	11.165	O	|	|	|	|	12.20	42.667	0.00	0.73	10.853	O	|	|	|	|	11.96
37.583	0.00	0.74	11.160	O	|	|	|	|	12.20	42.750	0.00	0.73	10.848	O	|	|	|	|	11.96
37.667	0.00	0.74	11.155	O	|	|	|	|	12.20	42.833	0.00	0.73	10.843	O	|	|	|	|	11.96
37.750	0.00	0.74	11.150	O	|	|	|	|	12.19	42.917	0.00	0.73	10.838	O	|	|	|	|	11.95
37.833	0.00	0.74	11.145	O	|	|	|	|	12.19	43.000	0.00	0.73	10.833	O	|	|	|	|	11.95
37.917	0.00	0.74	11.140	O	|	|	|	|	12.18	43.083	0.00	0.73	10.828	O	|	|	|	|	11.94
38.000	0.00	0.74	11.135	O	|	|	|	|	12.18	43.167	0.00	0.73	10.823	O	|	|	|	|	11.94
38.083	0.00	0.74	11.130	O	|	|	|	|	12.18	43.250	0.00	0.73	10.818	O	|	|	|	|	11.94
38.167	0.00	0.74	11.125	O	|	|	|	|	12.17	43.333	0.00	0.73	10.813	O	|	|	|	|	11.93
38.250	0.00	0.74	11.120	O	|	|	|	|	12.17	43.417	0.00	0.73	10.808	O	|	|	|	|	11.93
38.333	0.00	0.73	11.115	O	|	|	|	|	12.16	43.500	0.00	0.73	10.803	O	|	|	|	|	11.92
38.417	0.00	0.73	11.110	O	|	|	|	|	12.16	43.583	0.00	0.73	10.798	O	|	|	|	|	11.92
38.500	0.00	0.73	11.105	O	|	|	|	|	12.16	43.667	0.00	0.73	10.793	O	|	|	|	|	11.92
38.583	0.00	0.73	11.100	O	|	|	|	|	12.15	43.750	0.00	0.73	10.788	O	|	|	|	|	11.91
38.667	0.00	0.73	11.095	O	|	|	|	|	12.15	43.833	0.00	0.73	10.783	O	|	|	|	|	11.91
38.750	0.00	0.73	11.089	O	|	|	|	|	12.15	43.917	0.00	0.73	10.778	O	|	|	|	|	11.90
38.833	0.00	0.73	11.084	O	|	|	|	|	12.14	44.000	0.00	0.73	10.773	O	|	|	|	|	11.90
38.917	0.00	0.73	11.079	O	|	|	|	|	12.14	44.083	0.00	0.73	10.768	O	|	|	|	|	11.90
39.000	0.00	0.73	11.074	O	|	|	|	|	12.13	44.167	0.00	0.73	10.763	O	|	|	|	|	11.89
39.083	0.00	0.73	11.069	O	|	|	|	|	12.13	44.250	0.00	0.73	10.758	O	|	|	|	|	11.89
39.167	0.00	0.73	11.064	O	|	|	|	|	12.13	44.333	0.00	0.73	10.753	O	|	|	|	|	11.88
39.250	0.00	0.73	11.059	O	|	|	|	|	12.12	44.417	0.00	0.73	10.748	O	|	|	|	|	11.88
39.333	0.00	0.73	11.054	O	|	|	|	|	12.12	44.500	0.00	0.73	10.743	O	|	|	|	|	11.88
39.417	0.00	0.73	11.049	O	|	|	|	|	12.11	44.583	0.00	0.72	10.738	O	|	|	|	|	11.87
39.500	0.00	0.73	11.044	O	|	|	|	|	12.11	44.667	0.00	0.72	10.733	O	|	|	|	|	11.87

44.750	0.00	0.72	10.728	O	|	|	|	|	11.86	49.917	0.00	0.71	10.420	O	|	|	|	|	11.62
44.833	0.00	0.72	10.723	O	|	|	|	|	11.86	50.000	0.00	0.71	10.415	O	|	|	|	|	11.61
44.917	0.00	0.72	10.718	O	|	|	|	|	11.86	50.083	0.00	0.71	10.410	O	|	|	|	|	11.61
45.000	0.00	0.72	10.713	O	|	|	|	|	11.85	50.167	0.00	0.71	10.406	O	|	|	|	|	11.61
45.083	0.00	0.72	10.708	O	|	|	|	|	11.85	50.250	0.00	0.71	10.401	O	|	|	|	|	11.60
45.167	0.00	0.72	10.703	O	|	|	|	|	11.84	50.333	0.00	0.71	10.396	O	|	|	|	|	11.60
45.250	0.00	0.72	10.698	O	|	|	|	|	11.84	50.417	0.00	0.71	10.391	O	|	|	|	|	11.59
45.333	0.00	0.72	10.693	O	|	|	|	|	11.84	50.500	0.00	0.71	10.386	O	|	|	|	|	11.59
45.417	0.00	0.72	10.688	O	|	|	|	|	11.83	50.583	0.00	0.71	10.381	O	|	|	|	|	11.59
45.500	0.00	0.72	10.683	O	|	|	|	|	11.83	50.667	0.00	0.71	10.376	O	|	|	|	|	11.58
45.583	0.00	0.72	10.678	O	|	|	|	|	11.82	50.750	0.00	0.71	10.371	O	|	|	|	|	11.58
45.667	0.00	0.72	10.673	O	|	|	|	|	11.82	50.833	0.00	0.71	10.366	O	|	|	|	|	11.57
45.750	0.00	0.72	10.668	O	|	|	|	|	11.82	50.917	0.00	0.71	10.361	O	|	|	|	|	11.57
45.833	0.00	0.72	10.663	O	|	|	|	|	11.81	51.000	0.00	0.71	10.356	O	|	|	|	|	11.57
45.917	0.00	0.72	10.658	O	|	|	|	|	11.81	51.083	0.00	0.71	10.351	O	|	|	|	|	11.56
46.000	0.00	0.72	10.653	O	|	|	|	|	11.80	51.167	0.00	0.71	10.347	O	|	|	|	|	11.56
46.083	0.00	0.72	10.648	O	|	|	|	|	11.80	51.250	0.00	0.71	10.342	O	|	|	|	|	11.55
46.167	0.00	0.72	10.643	O	|	|	|	|	11.80	51.333	0.00	0.71	10.337	O	|	|	|	|	11.55
46.250	0.00	0.72	10.638	O	|	|	|	|	11.79	51.417	0.00	0.71	10.332	O	|	|	|	|	11.55
46.333	0.00	0.72	10.633	O	|	|	|	|	11.79	51.500	0.00	0.71	10.327	O	|	|	|	|	11.54
46.417	0.00	0.72	10.628	O	|	|	|	|	11.78	51.583	0.00	0.71	10.322	O	|	|	|	|	11.54
46.500	0.00	0.72	10.623	O	|	|	|	|	11.78	51.667	0.00	0.71	10.317	O	|	|	|	|	11.53
46.583	0.00	0.72	10.618	O	|	|	|	|	11.78	51.750	0.00	0.71	10.312	O	|	|	|	|	11.53
46.667	0.00	0.72	10.613	O	|	|	|	|	11.77	51.833	0.00	0.71	10.307	O	|	|	|	|	11.53
46.750	0.00	0.72	10.608	O	|	|	|	|	11.77	51.917	0.00	0.71	10.302	O	|	|	|	|	11.52
46.833	0.00	0.72	10.603	O	|	|	|	|	11.76	52.000	0.00	0.71	10.298	O	|	|	|	|	11.52
46.917	0.00	0.72	10.598	O	|	|	|	|	11.76	52.083	0.00	0.71	10.293	O	|	|	|	|	11.51
47.000	0.00	0.72	10.593	O	|	|	|	|	11.76	52.167	0.00	0.71	10.288	O	|	|	|	|	11.51
47.083	0.00	0.72	10.588	O	|	|	|	|	11.75	52.250	0.00	0.71	10.283	O	|	|	|	|	11.51
47.167	0.00	0.72	10.583	O	|	|	|	|	11.75	52.333	0.00	0.71	10.278	O	|	|	|	|	11.50
47.250	0.00	0.72	10.578	O	|	|	|	|	11.74	52.417	0.00	0.71	10.273	O	|	|	|	|	11.50
47.333	0.00	0.72	10.573	O	|	|	|	|	11.74	52.500	0.00	0.71	10.268	O	|	|	|	|	11.50
47.417	0.00	0.72	10.568	O	|	|	|	|	11.74	52.583	0.00	0.71	10.263	O	|	|	|	|	11.49
47.500	0.00	0.72	10.563	O	|	|	|	|	11.73	52.667	0.00	0.71	10.258	O	|	|	|	|	11.49
47.583	0.00	0.72	10.559	O	|	|	|	|	11.73	52.750	0.00	0.71	10.254	O	|	|	|	|	11.48
47.667	0.00	0.72	10.554	O	|	|	|	|	11.72	52.833	0.00	0.71	10.249	O	|	|	|	|	11.48
47.750	0.00	0.72	10.549	O	|	|	|	|	11.72	52.917	0.00	0.71	10.244	O	|	|	|	|	11.48
47.833	0.00	0.72	10.544	O	|	|	|	|	11.72	53.000	0.00	0.71	10.239	O	|	|	|	|	11.47
47.917	0.00	0.72	10.539	O	|	|	|	|	11.71	53.083	0.00	0.71	10.234	O	|	|	|	|	11.47
48.000	0.00	0.72	10.534	O	|	|	|	|	11.71	53.167	0.00	0.71	10.229	O	|	|	|	|	11.46
48.083	0.00	0.72	10.529	O	|	|	|	|	11.70	53.250	0.00	0.71	10.224	O	|	|	|	|	11.46
48.167	0.00	0.72	10.524	O	|	|	|	|	11.70	53.333	0.00	0.71	10.219	O	|	|	|	|	11.46
48.250	0.00	0.72	10.519	O	|	|	|	|	11.70	53.417	0.00	0.71	10.215	O	|	|	|	|	11.45
48.333	0.00	0.72	10.514	O	|	|	|	|	11.69	53.500	0.00	0.71	10.210	O	|	|	|	|	11.45
48.417	0.00	0.72	10.509	O	|	|	|	|	11.69	53.583	0.00	0.71	10.205	O	|	|	|	|	11.44
48.500	0.00	0.72	10.504	O	|	|	|	|	11.68	53.667	0.00	0.71	10.200	O	|	|	|	|	11.44
48.583	0.00	0.72	10.499	O	|	|	|	|	11.68	53.750	0.00	0.71	10.195	O	|	|	|	|	11.44
48.667	0.00	0.72	10.494	O	|	|	|	|	11.68	53.833	0.00	0.71	10.190	O	|	|	|	|	11.43
48.750	0.00	0.72	10.489	O	|	|	|	|	11.67	53.917	0.00	0.71	10.185	O	|	|	|	|	11.43
48.833	0.00	0.72	10.484	O	|	|	|	|	11.67	54.000	0.00	0.71	10.180	O	|	|	|	|	11.43
48.917	0.00	0.72	10.479	O	|	|	|	|	11.66	54.083	0.00	0.71	10.176	O	|	|	|	|	11.42
49.000	0.00	0.72	10.475	O	|	|	|	|	11.66	54.167	0.00	0.71	10.171	O	|	|	|	|	11.42
49.083	0.00	0.72	10.470	O	|	|	|	|	11.66	54.250	0.00	0.71	10.166	O	|	|	|	|	11.41
49.167	0.00	0.72	10.465	O	|	|	|	|	11.65	54.333	0.00	0.71	10.161	O	|	|	|	|	11.41
49.250	0.00	0.72	10.460	O	|	|	|	|	11.65	54.417	0.00	0.71	10.156	O	|	|	|	|	11.41
49.333	0.00	0.72	10.455	O	|	|	|	|	11.64	54.500	0.00	0.71	10.151	O	|	|	|	|	11.40
49.417	0.00	0.72	10.450	O	|	|	|	|	11.64	54.583	0.00	0.71	10.146	O	|	|	|	|	11.40
49.500	0.00	0.72	10.445	O	|	|	|	|	11.64	54.667	0.00	0.71	10.141	O	|	|	|	|	11.39
49.583	0.00	0.72	10.440	O	|	|	|	|	11.63	54.750	0.00	0.71	10.137	O	|	|	|	|	11.39
49.667	0.00	0.72	10.435	O	|	|	|	|	11.63	54.833	0.00	0.71	10.132	O	|	|	|	|	11.39
49.750	0.00	0.72	10.430	O	|	|	|	|	11.63	54.917	0.00	0.71	10.127	O	|	|	|	|	11.38
49.833	0.00	0.71	10.425	O	|	|	|	|	11.62	55.000	0.00	0.71	10.122	O	|	|	|	|	11.38

55.083	0.00	0.70	10.117	O	|	|	|	|	11.37	60.250	0.00	0.70	9.818	O	|	|	|	|	11.13
55.167	0.00	0.70	10.112	O	|	|	|	|	11.37	60.333	0.00	0.70	9.813	O	|	|	|	|	11.13
55.250	0.00	0.70	10.108	O	|	|	|	|	11.37	60.417	0.00	0.70	9.809	O	|	|	|	|	11.13
55.333	0.00	0.70	10.103	O	|	|	|	|	11.36	60.500	0.00	0.69	9.804	O	|	|	|	|	11.12
55.417	0.00	0.70	10.098	O	|	|	|	|	11.36	60.583	0.00	0.69	9.799	O	|	|	|	|	11.12
55.500	0.00	0.70	10.093	O	|	|	|	|	11.35	60.667	0.00	0.69	9.794	O	|	|	|	|	11.12
55.583	0.00	0.70	10.088	O	|	|	|	|	11.35	60.750	0.00	0.69	9.790	O	|	|	|	|	11.11
55.667	0.00	0.70	10.083	O	|	|	|	|	11.35	60.833	0.00	0.69	9.785	O	|	|	|	|	11.11
55.750	0.00	0.70	10.078	O	|	|	|	|	11.34	60.917	0.00	0.69	9.780	O	|	|	|	|	11.10
55.833	0.00	0.70	10.074	O	|	|	|	|	11.34	61.000	0.00	0.69	9.775	O	|	|	|	|	11.10
55.917	0.00	0.70	10.069	O	|	|	|	|	11.34	61.083	0.00	0.69	9.770	O	|	|	|	|	11.10
56.000	0.00	0.70	10.064	O	|	|	|	|	11.33	61.167	0.00	0.69	9.766	O	|	|	|	|	11.09
56.083	0.00	0.70	10.059	O	|	|	|	|	11.33	61.250	0.00	0.69	9.761	O	|	|	|	|	11.09
56.167	0.00	0.70	10.054	O	|	|	|	|	11.32	61.333	0.00	0.69	9.756	O	|	|	|	|	11.08
56.250	0.00	0.70	10.049	O	|	|	|	|	11.32	61.417	0.00	0.69	9.751	O	|	|	|	|	11.08
56.333	0.00	0.70	10.045	O	|	|	|	|	11.32	61.500	0.00	0.69	9.747	O	|	|	|	|	11.08
56.417	0.00	0.70	10.040	O	|	|	|	|	11.31	61.583	0.00	0.69	9.742	O	|	|	|	|	11.07
56.500	0.00	0.70	10.035	O	|	|	|	|	11.31	61.667	0.00	0.69	9.737	O	|	|	|	|	11.07
56.583	0.00	0.70	10.030	O	|	|	|	|	11.30	61.750	0.00	0.69	9.732	O	|	|	|	|	11.07
56.667	0.00	0.70	10.025	O	|	|	|	|	11.30	61.833	0.00	0.69	9.727	O	|	|	|	|	11.06
56.750	0.00	0.70	10.020	O	|	|	|	|	11.30	61.917	0.00	0.69	9.723	O	|	|	|	|	11.06
56.833	0.00	0.70	10.015	O	|	|	|	|	11.29	62.000	0.00	0.69	9.718	O	|	|	|	|	11.05
56.917	0.00	0.70	10.011	O	|	|	|	|	11.29	62.083	0.00	0.69	9.713	O	|	|	|	|	11.05
57.000	0.00	0.70	10.006	O	|	|	|	|	11.29	62.167	0.00	0.69	9.708	O	|	|	|	|	11.05
57.083	0.00	0.70	10.001	O	|	|	|	|	11.28	62.250	0.00	0.69	9.704	O	|	|	|	|	11.04
57.167	0.00	0.70	9.996	O	|	|	|	|	11.28	62.333	0.00	0.69	9.699	O	|	|	|	|	11.04
57.250	0.00	0.70	9.991	O	|	|	|	|	11.27	62.417	0.00	0.69	9.694	O	|	|	|	|	11.04
57.333	0.00	0.70	9.987	O	|	|	|	|	11.27	62.500	0.00	0.69	9.689	O	|	|	|	|	11.03
57.417	0.00	0.70	9.982	O	|	|	|	|	11.27	62.583	0.00	0.69	9.685	O	|	|	|	|	11.03
57.500	0.00	0.70	9.977	O	|	|	|	|	11.26	62.667	0.00	0.69	9.680	O	|	|	|	|	11.02
57.583	0.00	0.70	9.972	O	|	|	|	|	11.26	62.750	0.00	0.69	9.675	O	|	|	|	|	11.02
57.667	0.00	0.70	9.967	O	|	|	|	|	11.25	62.833	0.00	0.69	9.670	O	|	|	|	|	11.02
57.750	0.00	0.70	9.962	O	|	|	|	|	11.25	62.917	0.00	0.69	9.666	O	|	|	|	|	11.01
57.833	0.00	0.70	9.958	O	|	|	|	|	11.25	63.000	0.00	0.69	9.661	O	|	|	|	|	11.01
57.917	0.00	0.70	9.953	O	|	|	|	|	11.24	63.083	0.00	0.69	9.656	O	|	|	|	|	11.00
58.000	0.00	0.70	9.948	O	|	|	|	|	11.24	63.167	0.00	0.69	9.651	O	|	|	|	|	11.00
58.083	0.00	0.70	9.943	O	|	|	|	|	11.23	63.250	0.00	0.69	9.647	O	|	|	|	|	11.00
58.167	0.00	0.70	9.938	O	|	|	|	|	11.23	63.333	0.00	0.69	9.642	O	|	|	|	|	10.99
58.250	0.00	0.70	9.933	O	|	|	|	|	11.23	63.417	0.00	0.69	9.637	O	|	|	|	|	10.99
58.333	0.00	0.70	9.929	O	|	|	|	|	11.22	63.500	0.00	0.69	9.632	O	|	|	|	|	10.99
58.417	0.00	0.70	9.924	O	|	|	|	|	11.22	63.583	0.00	0.69	9.628	O	|	|	|	|	10.98
58.500	0.00	0.70	9.919	O	|	|	|	|	11.22	63.667	0.00	0.69	9.623	O	|	|	|	|	10.98
58.583	0.00	0.70	9.914	O	|	|	|	|	11.21	63.750	0.00	0.69	9.618	O	|	|	|	|	10.97
58.667	0.00	0.70	9.909	O	|	|	|	|	11.21	63.833	0.00	0.69	9.613	O	|	|	|	|	10.97
58.750	0.00	0.70	9.905	O	|	|	|	|	11.20	63.917	0.00	0.69	9.609	O	|	|	|	|	10.97
58.833	0.00	0.70	9.900	O	|	|	|	|	11.20	64.000	0.00	0.69	9.604	O	|	|	|	|	10.96
58.917	0.00	0.70	9.895	O	|	|	|	|	11.20	64.083	0.00	0.69	9.599	O	|	|	|	|	10.96
59.000	0.00	0.70	9.890	O	|	|	|	|	11.19	64.167	0.00	0.69	9.594	O	|	|	|	|	10.95
59.083	0.00	0.70	9.885	O	|	|	|	|	11.19	64.250	0.00	0.69	9.590	O	|	|	|	|	10.95
59.167	0.00	0.70	9.881	O	|	|	|	|	11.18	64.333	0.00	0.69	9.585	O	|	|	|	|	10.95
59.250	0.00	0.70	9.876	O	|	|	|	|	11.18	64.417	0.00	0.69	9.580	O	|	|	|	|	10.94
59.333	0.00	0.70	9.871	O	|	|	|	|	11.18	64.500	0.00	0.69	9.575	O	|	|	|	|	10.94
59.417	0.00	0.70	9.866	O	|	|	|	|	11.17	64.583	0.00	0.69	9.571	O	|	|	|	|	10.93
59.500	0.00	0.70	9.861	O	|	|	|	|	11.17	64.667	0.00	0.69	9.566	O	|	|	|	|	10.93
59.583	0.00	0.70	9.857	O	|	|	|	|	11.17	64.750	0.00	0.69	9.561	O	|	|	|	|	10.93
59.667	0.00	0.70	9.852	O	|	|	|	|	11.16	64.833	0.00	0.69	9.556	O	|	|	|	|	10.92
59.750	0.00	0.70	9.847	O	|	|	|	|	11.16	64.917	0.00	0.69	9.552	O	|	|	|	|	10.92
59.833	0.00	0.70	9.842	O	|	|	|	|	11.15	65.000	0.00	0.69	9.547	O	|	|	|	|	10.91
59.917	0.00	0.70	9.837	O	|	|	|	|	11.15	65.083	0.00	0.69	9.542	O	|	|	|	|	10.91
60.000	0.00	0.70	9.833	O	|	|	|	|	11.15	65.167	0.00	0.69	9.537	O	|	|	|	|	10.91
60.083	0.00	0.70	9.828	O	|	|	|	|	11.14	65.250	0.00	0.69	9.533	O	|	|	|	|	10.90
60.167	0.00	0.70	9.823	O	|	|	|	|	11.14	65.333	0.00	0.69	9.528	O	|	|	|	|	10.90

65.417	0.00	0.69	9.523	O	|	|	|	|	10.89	70.583	0.00	0.68	9.232	O	|	|	|	|	10.65
65.500	0.00	0.69	9.519	O	|	|	|	|	10.89	70.667	0.00	0.68	9.227	O	|	|	|	|	10.65
65.583	0.00	0.69	9.514	O	|	|	|	|	10.89	70.750	0.00	0.68	9.222	O	|	|	|	|	10.64
65.667	0.00	0.69	9.509	O	|	|	|	|	10.88	70.833	0.00	0.68	9.217	O	|	|	|	|	10.64
65.750	0.00	0.69	9.504	O	|	|	|	|	10.88	70.917	0.00	0.68	9.213	O	|	|	|	|	10.64
65.833	0.00	0.69	9.500	O	|	|	|	|	10.87	71.000	0.00	0.68	9.208	O	|	|	|	|	10.63
65.917	0.00	0.69	9.495	O	|	|	|	|	10.87	71.083	0.00	0.68	9.203	O	|	|	|	|	10.63
66.000	0.00	0.69	9.490	O	|	|	|	|	10.87	71.167	0.00	0.68	9.199	O	|	|	|	|	10.62
66.083	0.00	0.69	9.485	O	|	|	|	|	10.86	71.250	0.00	0.68	9.194	O	|	|	|	|	10.62
66.167	0.00	0.69	9.481	O	|	|	|	|	10.86	71.333	0.00	0.68	9.189	O	|	|	|	|	10.62
66.250	0.00	0.69	9.476	O	|	|	|	|	10.86	71.417	0.00	0.68	9.185	O	|	|	|	|	10.61
66.333	0.00	0.69	9.471	O	|	|	|	|	10.85	71.500	0.00	0.68	9.180	O	|	|	|	|	10.61
66.417	0.00	0.69	9.467	O	|	|	|	|	10.85	71.583	0.00	0.68	9.175	O	|	|	|	|	10.61
66.500	0.00	0.69	9.462	O	|	|	|	|	10.84	71.667	0.00	0.68	9.171	O	|	|	|	|	10.60
66.583	0.00	0.69	9.457	O	|	|	|	|	10.84	71.750	0.00	0.68	9.166	O	|	|	|	|	10.60
66.667	0.00	0.69	9.452	O	|	|	|	|	10.84	71.833	0.00	0.68	9.161	O	|	|	|	|	10.59
66.750	0.00	0.68	9.448	O	|	|	|	|	10.83	71.917	0.00	0.68	9.157	O	|	|	|	|	10.59
66.833	0.00	0.68	9.443	O	|	|	|	|	10.83	72.000	0.00	0.68	9.152	O	|	|	|	|	10.59
66.917	0.00	0.68	9.438	O	|	|	|	|	10.82	72.083	0.00	0.68	9.147	O	|	|	|	|	10.58
67.000	0.00	0.68	9.434	O	|	|	|	|	10.82	72.167	0.00	0.68	9.143	O	|	|	|	|	10.58
67.083	0.00	0.68	9.429	O	|	|	|	|	10.82	72.250	0.00	0.68	9.138	O	|	|	|	|	10.57
67.167	0.00	0.68	9.424	O	|	|	|	|	10.81	72.333	0.00	0.68	9.133	O	|	|	|	|	10.57
67.250	0.00	0.68	9.419	O	|	|	|	|	10.81	72.417	0.00	0.68	9.129	O	|	|	|	|	10.57
67.333	0.00	0.68	9.415	O	|	|	|	|	10.80	72.500	0.00	0.68	9.124	O	|	|	|	|	10.56
67.417	0.00	0.68	9.410	O	|	|	|	|	10.80	72.583	0.00	0.68	9.119	O	|	|	|	|	10.56
67.500	0.00	0.68	9.405	O	|	|	|	|	10.80	72.667	0.00	0.68	9.115	O	|	|	|	|	10.55
67.583	0.00	0.68	9.401	O	|	|	|	|	10.79	72.750	0.00	0.68	9.110	O	|	|	|	|	10.55
67.667	0.00	0.68	9.396	O	|	|	|	|	10.79	72.833	0.00	0.68	9.105	O	|	|	|	|	10.55
67.750	0.00	0.68	9.391	O	|	|	|	|	10.78	72.917	0.00	0.68	9.101	O	|	|	|	|	10.54
67.833	0.00	0.68	9.386	O	|	|	|	|	10.78	73.000	0.00	0.68	9.096	O	|	|	|	|	10.54
67.917	0.00	0.68	9.382	O	|	|	|	|	10.78	73.083	0.00	0.68	9.091	O	|	|	|	|	10.54
68.000	0.00	0.68	9.377	O	|	|	|	|	10.77	73.167	0.00	0.68	9.087	O	|	|	|	|	10.53
68.083	0.00	0.68	9.372	O	|	|	|	|	10.77	73.250	0.00	0.68	9.082	O	|	|	|	|	10.53
68.167	0.00	0.68	9.368	O	|	|	|	|	10.77	73.333	0.00	0.68	9.078	O	|	|	|	|	10.52
68.250	0.00	0.68	9.363	O	|	|	|	|	10.76	73.417	0.00	0.68	9.073	O	|	|	|	|	10.52
68.333	0.00	0.68	9.358	O	|	|	|	|	10.76	73.500	0.00	0.68	9.068	O	|	|	|	|	10.52
68.417	0.00	0.68	9.353	O	|	|	|	|	10.75	73.583	0.00	0.68	9.064	O	|	|	|	|	10.51
68.500	0.00	0.68	9.349	O	|	|	|	|	10.75	73.667	0.00	0.68	9.059	O	|	|	|	|	10.51
68.583	0.00	0.68	9.344	O	|	|	|	|	10.75	73.750	0.00	0.68	9.054	O	|	|	|	|	10.50
68.667	0.00	0.68	9.339	O	|	|	|	|	10.74	73.833	0.00	0.68	9.050	O	|	|	|	|	10.50
68.750	0.00	0.68	9.335	O	|	|	|	|	10.74	73.917	0.00	0.67	9.045	O	|	|	|	|	10.50
68.833	0.00	0.68	9.330	O	|	|	|	|	10.73	74.000	0.00	0.67	9.040	O	|	|	|	|	10.49
68.917	0.00	0.68	9.325	O	|	|	|	|	10.73	74.083	0.00	0.67	9.036	O	|	|	|	|	10.49
69.000	0.00	0.68	9.321	O	|	|	|	|	10.73	74.167	0.00	0.67	9.031	O	|	|	|	|	10.49
69.083	0.00	0.68	9.316	O	|	|	|	|	10.72	74.250	0.00	0.67	9.026	O	|	|	|	|	10.48
69.167	0.00	0.68	9.311	O	|	|	|	|	10.72	74.333	0.00	0.67	9.022	O	|	|	|	|	10.48
69.250	0.00	0.68	9.307	O	|	|	|	|	10.71	74.417	0.00	0.67	9.017	O	|	|	|	|	10.47
69.333	0.00	0.68	9.302	O	|	|	|	|	10.71	74.500	0.00	0.67	9.012	O	|	|	|	|	10.47
69.417	0.00	0.68	9.297	O	|	|	|	|	10.71	74.583	0.00	0.67	9.008	O	|	|	|	|	10.47
69.500	0.00	0.68	9.292	O	|	|	|	|	10.70	74.667	0.00	0.67	9.003	O	|	|	|	|	10.46
69.583	0.00	0.68	9.288	O	|	|	|	|	10.70	74.750	0.00	0.67	8.999	O	|	|	|	|	10.46
69.667	0.00	0.68	9.283	O	|	|	|	|	10.69	74.833	0.00	0.67	8.994	O	|	|	|	|	10.45
69.750	0.00	0.68	9.278	O	|	|	|	|	10.69	74.917	0.00	0.67	8.989	O	|	|	|	|	10.45
69.833	0.00	0.68	9.274	O	|	|	|	|	10.69	75.000	0.00	0.67	8.985	O	|	|	|	|	10.45
69.917	0.00	0.68	9.269	O	|	|	|	|	10.68	75.083	0.00	0.67	8.980	O	|	|	|	|	10.44
70.000	0.00	0.68	9.264	O	|	|	|	|	10.68	75.167	0.00	0.67	8.975	O	|	|	|	|	10.44
70.083	0.00	0.68	9.260	O	|	|	|	|	10.68	75.250	0.00	0.67	8.971	O	|	|	|	|	10.43
70.167	0.00	0.68	9.255	O	|	|	|	|	10.67	75.333	0.00	0.67	8.966	O	|	|	|	|	10.43
70.250	0.00	0.68	9.250	O	|	|	|	|	10.67	75.417	0.00	0.67	8.961	O	|	|	|	|	10.43
70.333	0.00	0.68	9.246	O	|	|	|	|	10.66	75.500	0.00	0.67	8.957	O	|	|	|	|	10.42
70.417	0.00	0.68	9.241	O	|	|	|	|	10.66	75.583	0.00	0.67	8.952	O	|	|	|	|	10.42
70.500	0.00	0.68	9.236	O	|	|	|	|	10.66	75.667	0.00	0.67	8.948	O	|	|	|	|	10.42

75.750	0.00	0.67	8.943	O	|	|	|	|	10.41	80.917	0.00	0.67	8.657	O	|	|	|	|	10.17
75.833	0.00	0.67	8.938	O	|	|	|	|	10.41	81.000	0.00	0.67	8.653	O	|	|	|	|	10.17
75.917	0.00	0.67	8.934	O	|	|	|	|	10.40	81.083	0.00	0.66	8.648	O	|	|	|	|	10.17
76.000	0.00	0.67	8.929	O	|	|	|	|	10.40	81.167	0.00	0.66	8.644	O	|	|	|	|	10.16
76.083	0.00	0.67	8.924	O	|	|	|	|	10.40	81.250	0.00	0.66	8.639	O	|	|	|	|	10.16
76.167	0.00	0.67	8.920	O	|	|	|	|	10.39	81.333	0.00	0.66	8.634	O	|	|	|	|	10.16
76.250	0.00	0.67	8.915	O	|	|	|	|	10.39	81.417	0.00	0.66	8.630	O	|	|	|	|	10.15
76.333	0.00	0.67	8.911	O	|	|	|	|	10.38	81.500	0.00	0.66	8.625	O	|	|	|	|	10.15
76.417	0.00	0.67	8.906	O	|	|	|	|	10.38	81.583	0.00	0.66	8.621	O	|	|	|	|	10.14
76.500	0.00	0.67	8.901	O	|	|	|	|	10.38	81.667	0.00	0.66	8.616	O	|	|	|	|	10.14
76.583	0.00	0.67	8.897	O	|	|	|	|	10.37	81.750	0.00	0.66	8.612	O	|	|	|	|	10.14
76.667	0.00	0.67	8.892	O	|	|	|	|	10.37	81.833	0.00	0.66	8.607	O	|	|	|	|	10.13
76.750	0.00	0.67	8.887	O	|	|	|	|	10.37	81.917	0.00	0.66	8.602	O	|	|	|	|	10.13
76.833	0.00	0.67	8.883	O	|	|	|	|	10.36	82.000	0.00	0.66	8.598	O	|	|	|	|	10.12
76.917	0.00	0.67	8.878	O	|	|	|	|	10.36	82.083	0.00	0.66	8.593	O	|	|	|	|	10.12
77.000	0.00	0.67	8.874	O	|	|	|	|	10.35	82.167	0.00	0.66	8.589	O	|	|	|	|	10.12
77.083	0.00	0.67	8.869	O	|	|	|	|	10.35	82.250	0.00	0.66	8.584	O	|	|	|	|	10.11
77.167	0.00	0.67	8.864	O	|	|	|	|	10.35	82.333	0.00	0.66	8.580	O	|	|	|	|	10.11
77.250	0.00	0.67	8.860	O	|	|	|	|	10.34	82.417	0.00	0.66	8.575	O	|	|	|	|	10.11
77.333	0.00	0.67	8.855	O	|	|	|	|	10.34	82.500	0.00	0.66	8.570	O	|	|	|	|	10.10
77.417	0.00	0.67	8.850	O	|	|	|	|	10.33	82.583	0.00	0.66	8.566	O	|	|	|	|	10.10
77.500	0.00	0.67	8.846	O	|	|	|	|	10.33	82.667	0.00	0.66	8.561	O	|	|	|	|	10.09
77.583	0.00	0.67	8.841	O	|	|	|	|	10.33	82.750	0.00	0.66	8.557	O	|	|	|	|	10.09
77.667	0.00	0.67	8.837	O	|	|	|	|	10.32	82.833	0.00	0.66	8.552	O	|	|	|	|	10.09
77.750	0.00	0.67	8.832	O	|	|	|	|	10.32	82.917	0.00	0.66	8.548	O	|	|	|	|	10.08
77.833	0.00	0.67	8.827	O	|	|	|	|	10.32	83.000	0.00	0.66	8.543	O	|	|	|	|	10.08
77.917	0.00	0.67	8.823	O	|	|	|	|	10.31	83.083	0.00	0.66	8.538	O	|	|	|	|	10.08
78.000	0.00	0.67	8.818	O	|	|	|	|	10.31	83.167	0.00	0.66	8.534	O	|	|	|	|	10.07
78.083	0.00	0.67	8.814	O	|	|	|	|	10.30	83.250	0.00	0.66	8.529	O	|	|	|	|	10.07
78.167	0.00	0.67	8.809	O	|	|	|	|	10.30	83.333	0.00	0.66	8.525	O	|	|	|	|	10.06
78.250	0.00	0.67	8.804	O	|	|	|	|	10.30	83.417	0.00	0.66	8.520	O	|	|	|	|	10.06
78.333	0.00	0.67	8.800	O	|	|	|	|	10.29	83.500	0.00	0.66	8.516	O	|	|	|	|	10.06
78.417	0.00	0.67	8.795	O	|	|	|	|	10.29	83.583	0.00	0.66	8.511	O	|	|	|	|	10.05
78.500	0.00	0.67	8.791	O	|	|	|	|	10.28	83.667	0.00	0.66	8.507	O	|	|	|	|	10.05
78.583	0.00	0.67	8.786	O	|	|	|	|	10.28	83.750	0.00	0.66	8.502	O	|	|	|	|	10.04
78.667	0.00	0.67	8.781	O	|	|	|	|	10.28	83.833	0.00	0.66	8.497	O	|	|	|	|	10.04
78.750	0.00	0.67	8.777	O	|	|	|	|	10.27	83.917	0.00	0.66	8.493	O	|	|	|	|	10.04
78.833	0.00	0.67	8.772	O	|	|	|	|	10.27	84.000	0.00	0.66	8.488	O	|	|	|	|	10.03
78.917	0.00	0.67	8.768	O	|	|	|	|	10.27	84.083	0.00	0.66	8.484	O	|	|	|	|	10.03
79.000	0.00	0.67	8.763	O	|	|	|	|	10.26	84.167	0.00	0.66	8.479	O	|	|	|	|	10.03
79.083	0.00	0.67	8.758	O	|	|	|	|	10.26	84.250	0.00	0.66	8.475	O	|	|	|	|	10.02
79.167	0.00	0.67	8.754	O	|	|	|	|	10.25	84.333	0.00	0.66	8.470	O	|	|	|	|	10.02
79.250	0.00	0.67	8.749	O	|	|	|	|	10.25	84.417	0.00	0.66	8.466	O	|	|	|	|	10.01
79.333	0.00	0.67	8.745	O	|	|	|	|	10.25	84.500	0.00	0.66	8.461	O	|	|	|	|	10.01
79.417	0.00	0.67	8.740	O	|	|	|	|	10.24	84.583	0.00	0.66	8.457	O	|	|	|	|	10.01
79.500	0.00	0.67	8.735	O	|	|	|	|	10.24	84.667	0.00	0.66	8.452	O	|	|	|	|	10.00
79.583	0.00	0.67	8.731	O	|	|	|	|	10.24	84.750	0.00	0.66	8.447	O	|	|	|	|	10.00
79.667	0.00	0.67	8.726	O	|	|	|	|	10.23	84.833	0.00	0.66	8.443	O	|	|	|	|	10.00
79.750	0.00	0.67	8.722	O	|	|	|	|	10.23	84.917	0.00	0.66	8.438	O	|	|	|	|	9.99
79.833	0.00	0.67	8.717	O	|	|	|	|	10.22	85.000	0.00	0.66	8.434	O	|	|	|	|	9.99
79.917	0.00	0.67	8.712	O	|	|	|	|	10.22	85.083	0.00	0.66	8.429	O	|	|	|	|	9.98
80.000	0.00	0.67	8.708	O	|	|	|	|	10.22	85.167	0.00	0.66	8.425	O	|	|	|	|	9.98
80.083	0.00	0.67	8.703	O	|	|	|	|	10.21	85.250	0.00	0.66	8.420	O	|	|	|	|	9.98
80.167	0.00	0.67	8.699	O	|	|	|	|	10.21	85.333	0.00	0.66	8.416	O	|	|	|	|	9.97
80.250	0.00	0.67	8.694	O	|	|	|	|	10.20	85.417	0.00	0.66	8.411	O	|	|	|	|	9.97
80.333	0.00	0.67	8.689	O	|	|	|	|	10.20	85.500	0.00	0.66	8.407	O	|	|	|	|	9.96
80.417	0.00	0.67	8.685	O	|	|	|	|	10.20	85.583	0.00	0.66	8.402	O	|	|	|	|	9.96
80.500	0.00	0.67	8.680	O	|	|	|	|	10.19	85.667	0.00	0.66	8.397	O	|	|	|	|	9.96
80.583	0.00	0.67	8.676	O	|	|	|	|	10.19	85.750	0.00	0.66	8.393	O	|	|	|	|	9.95
80.667	0.00	0.67	8.671	O	|	|	|	|	10.19	85.833	0.00	0.66	8.388	O	|	|	|	|	9.95
80.750	0.00	0.67	8.666	O	|	|	|	|	10.18	85.917	0.00	0.66	8.384	O	|	|	|	|	9.94
80.833	0.00	0.67	8.662	O	|	|	|	|	10.18	86.000	0.00	0.66	8.379	O	|	|	|	|	9.94

86.083	0.00	0.66	8.375	O	|	|	|	|	9.94	91.250	0.00	0.65	8.095	O	|	|	|	|	9.69
86.167	0.00	0.66	8.370	O	|	|	|	|	9.93	91.333	0.00	0.65	8.091	O	|	|	|	|	9.68
86.250	0.00	0.66	8.366	O	|	|	|	|	9.93	91.417	0.00	0.65	8.086	O	|	|	|	|	9.68
86.333	0.00	0.66	8.361	O	|	|	|	|	9.92	91.500	0.00	0.65	8.082	O	|	|	|	|	9.68
86.417	0.00	0.66	8.357	O	|	|	|	|	9.92	91.583	0.00	0.65	8.077	O	|	|	|	|	9.67
86.500	0.00	0.66	8.352	O	|	|	|	|	9.92	91.667	0.00	0.65	8.073	O	|	|	|	|	9.67
86.583	0.00	0.66	8.348	O	|	|	|	|	9.91	91.750	0.00	0.65	8.069	O	|	|	|	|	9.66
86.667	0.00	0.66	8.343	O	|	|	|	|	9.91	91.833	0.00	0.65	8.064	O	|	|	|	|	9.66
86.750	0.00	0.66	8.339	O	|	|	|	|	9.90	91.917	0.00	0.65	8.060	O	|	|	|	|	9.66
86.833	0.00	0.66	8.334	O	|	|	|	|	9.90	92.000	0.00	0.65	8.055	O	|	|	|	|	9.65
86.917	0.00	0.66	8.330	O	|	|	|	|	9.90	92.083	0.00	0.65	8.051	O	|	|	|	|	9.65
87.000	0.00	0.66	8.325	O	|	|	|	|	9.89	92.167	0.00	0.65	8.046	O	|	|	|	|	9.64
87.083	0.00	0.66	8.320	O	|	|	|	|	9.89	92.250	0.00	0.65	8.042	O	|	|	|	|	9.64
87.167	0.00	0.66	8.316	O	|	|	|	|	9.88	92.333	0.00	0.65	8.037	O	|	|	|	|	9.64
87.250	0.00	0.66	8.311	O	|	|	|	|	9.88	92.417	0.00	0.65	8.033	O	|	|	|	|	9.63
87.333	0.00	0.66	8.307	O	|	|	|	|	9.88	92.500	0.00	0.65	8.028	O	|	|	|	|	9.63
87.417	0.00	0.66	8.302	O	|	|	|	|	9.87	92.583	0.00	0.65	8.024	O	|	|	|	|	9.62
87.500	0.00	0.66	8.298	O	|	|	|	|	9.87	92.667	0.00	0.65	8.019	O	|	|	|	|	9.62
87.583	0.00	0.66	8.293	O	|	|	|	|	9.86	92.750	0.00	0.65	8.015	O	|	|	|	|	9.62
87.667	0.00	0.66	8.289	O	|	|	|	|	9.86	92.833	0.00	0.65	8.010	O	|	|	|	|	9.61
87.750	0.00	0.66	8.284	O	|	|	|	|	9.86	92.917	0.00	0.65	8.006	O	|	|	|	|	9.61
87.833	0.00	0.66	8.280	O	|	|	|	|	9.85	93.000	0.00	0.65	8.001	O	|	|	|	|	9.60
87.917	0.00	0.66	8.275	O	|	|	|	|	9.85	93.083	0.00	0.65	7.997	O	|	|	|	|	9.60
88.000	0.00	0.66	8.271	O	|	|	|	|	9.84	93.167	0.00	0.65	7.993	O	|	|	|	|	9.60
88.083	0.00	0.66	8.266	O	|	|	|	|	9.84	93.250	0.00	0.65	7.988	O	|	|	|	|	9.59
88.167	0.00	0.66	8.262	O	|	|	|	|	9.84	93.333	0.00	0.65	7.984	O	|	|	|	|	9.59
88.250	0.00	0.65	8.257	O	|	|	|	|	9.83	93.417	0.00	0.65	7.979	O	|	|	|	|	9.59
88.333	0.00	0.65	8.253	O	|	|	|	|	9.83	93.500	0.00	0.65	7.975	O	|	|	|	|	9.58
88.417	0.00	0.65	8.248	O	|	|	|	|	9.82	93.583	0.00	0.65	7.970	O	|	|	|	|	9.58
88.500	0.00	0.65	8.244	O	|	|	|	|	9.82	93.667	0.00	0.65	7.966	O	|	|	|	|	9.57
88.583	0.00	0.65	8.239	O	|	|	|	|	9.82	93.750	0.00	0.65	7.961	O	|	|	|	|	9.57
88.667	0.00	0.65	8.235	O	|	|	|	|	9.81	93.833	0.00	0.65	7.957	O	|	|	|	|	9.57
88.750	0.00	0.65	8.230	O	|	|	|	|	9.81	93.917	0.00	0.65	7.952	O	|	|	|	|	9.56
88.833	0.00	0.65	8.226	O	|	|	|	|	9.80	94.000	0.00	0.65	7.948	O	|	|	|	|	9.56
88.917	0.00	0.65	8.221	O	|	|	|	|	9.80	94.083	0.00	0.65	7.944	O	|	|	|	|	9.55
89.000	0.00	0.65	8.217	O	|	|	|	|	9.80	94.167	0.00	0.65	7.939	O	|	|	|	|	9.55
89.083	0.00	0.65	8.212	O	|	|	|	|	9.79	94.250	0.00	0.65	7.935	O	|	|	|	|	9.55
89.167	0.00	0.65	8.208	O	|	|	|	|	9.79	94.333	0.00	0.65	7.930	O	|	|	|	|	9.54
89.250	0.00	0.65	8.203	O	|	|	|	|	9.78	94.417	0.00	0.65	7.926	O	|	|	|	|	9.54
89.333	0.00	0.65	8.199	O	|	|	|	|	9.78	94.500	0.00	0.65	7.921	O	|	|	|	|	9.53
89.417	0.00	0.65	8.194	O	|	|	|	|	9.78	94.583	0.00	0.65	7.917	O	|	|	|	|	9.53
89.500	0.00	0.65	8.190	O	|	|	|	|	9.77	94.667	0.00	0.65	7.912	O	|	|	|	|	9.53
89.583	0.00	0.65	8.185	O	|	|	|	|	9.77	94.750	0.00	0.65	7.908	O	|	|	|	|	9.52
89.667	0.00	0.65	8.181	O	|	|	|	|	9.76	94.833	0.00	0.65	7.903	O	|	|	|	|	9.52
89.750	0.00	0.65	8.176	O	|	|	|	|	9.76	94.917	0.00	0.65	7.899	O	|	|	|	|	9.51
89.833	0.00	0.65	8.172	O	|	|	|	|	9.76	95.000	0.00	0.65	7.895	O	|	|	|	|	9.51
89.917	0.00	0.65	8.167	O	|	|	|	|	9.75	95.083	0.00	0.65	7.890	O	|	|	|	|	9.51
90.000	0.00	0.65	8.163	O	|	|	|	|	9.75	95.167	0.00	0.65	7.886	O	|	|	|	|	9.50
90.083	0.00	0.65	8.158	O	|	|	|	|	9.74	95.250	0.00	0.64	7.881	O	|	|	|	|	9.50
90.167	0.00	0.65	8.154	O	|	|	|	|	9.74	95.333	0.00	0.64	7.877	O	|	|	|	|	9.49
90.250	0.00	0.65	8.149	O	|	|	|	|	9.74	95.417	0.00	0.64	7.872	O	|	|	|	|	9.49
90.333	0.00	0.65	8.145	O	|	|	|	|	9.73	95.500	0.00	0.64	7.868	O	|	|	|	|	9.49
90.417	0.00	0.65	8.140	O	|	|	|	|	9.73	95.583	0.00	0.64	7.863	O	|	|	|	|	9.48
90.500	0.00	0.65	8.136	O	|	|	|	|	9.72	95.667	0.00	0.64	7.859	O	|	|	|	|	9.48
90.583	0.00	0.65	8.131	O	|	|	|	|	9.72	95.750	0.00	0.64	7.855	O	|	|	|	|	9.47
90.667	0.00	0.65	8.127	O	|	|	|	|	9.72	95.833	0.00	0.64	7.850	O	|	|	|	|	9.47
90.750	0.00	0.65	8.122	O	|	|	|	|	9.71	95.917	0.00	0.64	7.846	O	|	|	|	|	9.47
90.833	0.00	0.65	8.118	O	|	|	|	|	9.71	96.000	0.00	0.64	7.841	O	|	|	|	|	9.46
90.917	0.00	0.65	8.113	O	|	|	|	|	9.70	96.083	0.00	0.64	7.837	O	|	|	|	|	9.46
91.000	0.00	0.65	8.109	O	|	|	|	|	9.70	96.167	0.00	0.64	7.832	O	|	|	|	|	9.46
91.083	0.00	0.65	8.104	O	|	|	|	|	9.70	96.250	0.00	0.64	7.828	O	|	|	|	|	9.45
91.167	0.00	0.65	8.100	O	|	|	|	|	9.69	96.333	0.00	0.64	7.824	O	|	|	|	|	9.45

96.417	0.00	0.64	7.819	O	|	|	|	|	9.44	101.583	0.00	0.64	7.546	O	|	|	|	|	9.20
96.500	0.00	0.64	7.815	O	|	|	|	|	9.44	101.667	0.00	0.64	7.542	O	|	|	|	|	9.20
96.583	0.00	0.64	7.810	O	|	|	|	|	9.44	101.750	0.00	0.64	7.537	O	|	|	|	|	9.19
96.667	0.00	0.64	7.806	O	|	|	|	|	9.43	101.833	0.00	0.64	7.533	O	|	|	|	|	9.19
96.750	0.00	0.64	7.801	O	|	|	|	|	9.43	101.917	0.00	0.64	7.528	O	|	|	|	|	9.19
96.833	0.00	0.64	7.797	O	|	|	|	|	9.42	102.000	0.00	0.64	7.524	O	|	|	|	|	9.18
96.917	0.00	0.64	7.793	O	|	|	|	|	9.42	102.083	0.00	0.64	7.520	O	|	|	|	|	9.18
97.000	0.00	0.64	7.788	O	|	|	|	|	9.42	102.167	0.00	0.64	7.515	O	|	|	|	|	9.17
97.083	0.00	0.64	7.784	O	|	|	|	|	9.41	102.250	0.00	0.64	7.511	O	|	|	|	|	9.17
97.167	0.00	0.64	7.779	O	|	|	|	|	9.41	102.333	0.00	0.64	7.507	O	|	|	|	|	9.17
97.250	0.00	0.64	7.775	O	|	|	|	|	9.40	102.417	0.00	0.63	7.502	O	|	|	|	|	9.16
97.333	0.00	0.64	7.770	O	|	|	|	|	9.40	102.500	0.00	0.63	7.498	O	|	|	|	|	9.16
97.417	0.00	0.64	7.766	O	|	|	|	|	9.40	102.583	0.00	0.63	7.493	O	|	|	|	|	9.16
97.500	0.00	0.64	7.762	O	|	|	|	|	9.39	102.667	0.00	0.63	7.489	O	|	|	|	|	9.15
97.583	0.00	0.64	7.757	O	|	|	|	|	9.39	102.750	0.00	0.63	7.485	O	|	|	|	|	9.15
97.667	0.00	0.64	7.753	O	|	|	|	|	9.38	102.833	0.00	0.63	7.480	O	|	|	|	|	9.14
97.750	0.00	0.64	7.748	O	|	|	|	|	9.38	102.917	0.00	0.63	7.476	O	|	|	|	|	9.14
97.833	0.00	0.64	7.744	O	|	|	|	|	9.38	103.000	0.00	0.63	7.472	O	|	|	|	|	9.14
97.917	0.00	0.64	7.740	O	|	|	|	|	9.37	103.083	0.00	0.63	7.467	O	|	|	|	|	9.13
98.000	0.00	0.64	7.735	O	|	|	|	|	9.37	103.167	0.00	0.63	7.463	O	|	|	|	|	9.13
98.083	0.00	0.64	7.731	O	|	|	|	|	9.37	103.250	0.00	0.63	7.459	O	|	|	|	|	9.12
98.167	0.00	0.64	7.726	O	|	|	|	|	9.36	103.333	0.00	0.63	7.454	O	|	|	|	|	9.12
98.250	0.00	0.64	7.722	O	|	|	|	|	9.36	103.417	0.00	0.63	7.450	O	|	|	|	|	9.12
98.333	0.00	0.64	7.717	O	|	|	|	|	9.35	103.500	0.00	0.63	7.445	O	|	|	|	|	9.11
98.417	0.00	0.64	7.713	O	|	|	|	|	9.35	103.583	0.00	0.63	7.441	O	|	|	|	|	9.11
98.500	0.00	0.64	7.709	O	|	|	|	|	9.35	103.667	0.00	0.63	7.437	O	|	|	|	|	9.11
98.583	0.00	0.64	7.704	O	|	|	|	|	9.34	103.750	0.00	0.63	7.432	O	|	|	|	|	9.10
98.667	0.00	0.64	7.700	O	|	|	|	|	9.34	103.833	0.00	0.63	7.428	O	|	|	|	|	9.10
98.750	0.00	0.64	7.695	O	|	|	|	|	9.33	103.917	0.00	0.63	7.424	O	|	|	|	|	9.09
98.833	0.00	0.64	7.691	O	|	|	|	|	9.33	104.000	0.00	0.63	7.419	O	|	|	|	|	9.09
98.917	0.00	0.64	7.687	O	|	|	|	|	9.33	104.083	0.00	0.63	7.415	O	|	|	|	|	9.09
99.000	0.00	0.64	7.682	O	|	|	|	|	9.32	104.167	0.00	0.63	7.411	O	|	|	|	|	9.08
99.083	0.00	0.64	7.678	O	|	|	|	|	9.32	104.250	0.00	0.63	7.406	O	|	|	|	|	9.08
99.167	0.00	0.64	7.673	O	|	|	|	|	9.31	104.333	0.00	0.63	7.402	O	|	|	|	|	9.07
99.250	0.00	0.64	7.669	O	|	|	|	|	9.31	104.417	0.00	0.63	7.398	O	|	|	|	|	9.07
99.333	0.00	0.64	7.665	O	|	|	|	|	9.31	104.500	0.00	0.63	7.393	O	|	|	|	|	9.07
99.417	0.00	0.64	7.660	O	|	|	|	|	9.30	104.583	0.00	0.63	7.389	O	|	|	|	|	9.06
99.500	0.00	0.64	7.656	O	|	|	|	|	9.30	104.667	0.00	0.63	7.384	O	|	|	|	|	9.06
99.583	0.00	0.64	7.651	O	|	|	|	|	9.30	104.750	0.00	0.63	7.380	O	|	|	|	|	9.05
99.667	0.00	0.64	7.647	O	|	|	|	|	9.29	104.833	0.00	0.63	7.376	O	|	|	|	|	9.05
99.750	0.00	0.64	7.643	O	|	|	|	|	9.29	104.917	0.00	0.63	7.371	O	|	|	|	|	9.05
99.833	0.00	0.64	7.638	O	|	|	|	|	9.28	105.000	0.00	0.63	7.367	O	|	|	|	|	9.04
99.917	0.00	0.64	7.634	O	|	|	|	|	9.28	105.083	0.00	0.63	7.363	O	|	|	|	|	9.04
100.000	0.00	0.64	7.629	O	|	|	|	|	9.28	105.167	0.00	0.63	7.358	O	|	|	|	|	9.04
100.083	0.00	0.64	7.625	O	|	|	|	|	9.27	105.250	0.00	0.63	7.354	O	|	|	|	|	9.03
100.167	0.00	0.64	7.621	O	|	|	|	|	9.27	105.333	0.00	0.63	7.350	O	|	|	|	|	9.03
100.250	0.00	0.64	7.616	O	|	|	|	|	9.26	105.417	0.00	0.63	7.345	O	|	|	|	|	9.02
100.333	0.00	0.64	7.612	O	|	|	|	|	9.26	105.500	0.00	0.63	7.341	O	|	|	|	|	9.02
100.417	0.00	0.64	7.607	O	|	|	|	|	9.26	105.583	0.00	0.63	7.337	O	|	|	|	|	9.02
100.500	0.00	0.64	7.603	O	|	|	|	|	9.25	105.667	0.00	0.63	7.332	O	|	|	|	|	9.01
100.583	0.00	0.64	7.599	O	|	|	|	|	9.25	105.750	0.00	0.63	7.328	O	|	|	|	|	9.01
100.667	0.00	0.64	7.594	O	|	|	|	|	9.24	105.833	0.00	0.63	7.324	O	|	|	|	|	9.00
100.750	0.00	0.64	7.590	O	|	|	|	|	9.24	105.917	0.00	0.63	7.319	O	|	|	|	|	9.00
100.833	0.00	0.64	7.585	O	|	|	|	|	9.24	106.000	0.00	0.63	7.315	O	|	|	|	|	9.00
100.917	0.00	0.64	7.581	O	|	|	|	|	9.23	106.083	0.00	0.63	7.311	O	|	|	|	|	8.99
101.000	0.00	0.64	7.577	O	|	|	|	|	9.23	106.167	0.00	0.63	7.306	O	|	|	|	|	8.99
101.083	0.00	0.64	7.572	O	|	|	|	|	9.23	106.250	0.00	0.63	7.302	O	|	|	|	|	8.98
101.167	0.00	0.64	7.568	O	|	|	|	|	9.22	106.333	0.00	0.63	7.298	O	|	|	|	|	8.98
101.250	0.00	0.64	7.564	O	|	|	|	|	9.22	106.417	0.00	0.63	7.293	O	|	|	|	|	8.98
101.333	0.00	0.64	7.559	O	|	|	|	|	9.21	106.500	0.00	0.63	7.289	O	|	|	|	|	8.97
101.417	0.00	0.64	7.555	O	|	|	|	|	9.21	106.583	0.00	0.63	7.285	O	|	|	|	|	8.97
101.500	0.00	0.64	7.550	O	|	|	|	|	9.21	106.667	0.00	0.63	7.280	O	|	|	|	|	8.96

106.750	0.00	0.63	7.276	O					8.96	111.917	0.00	0.62	7.010	O					8.71
106.833	0.00	0.63	7.272	O					8.96	112.000	0.00	0.62	7.006	O					8.71
106.917	0.00	0.63	7.267	O					8.95	112.083	0.00	0.62	7.001	O					8.70
107.000	0.00	0.63	7.263	O					8.95	112.167	0.00	0.62	6.997	O					8.70
107.083	0.00	0.63	7.259	O					8.94	112.250	0.00	0.62	6.993	O					8.69
107.167	0.00	0.63	7.254	O					8.94	112.333	0.00	0.62	6.988	O					8.69
107.250	0.00	0.63	7.250	O					8.94	112.417	0.00	0.62	6.984	O					8.69
107.333	0.00	0.63	7.246	O					8.93	112.500	0.00	0.62	6.980	O					8.68
107.417	0.00	0.63	7.241	O					8.93	112.583	0.00	0.62	6.976	O					8.68
107.500	0.00	0.63	7.237	O					8.92	112.667	0.00	0.62	6.971	O					8.67
107.583	0.00	0.63	7.233	O					8.92	112.750	0.00	0.62	6.967	O					8.67
107.667	0.00	0.63	7.228	O					8.92	112.833	0.00	0.62	6.963	O					8.67
107.750	0.00	0.63	7.224	O					8.91	112.917	0.00	0.62	6.959	O					8.66
107.833	0.00	0.63	7.220	O					8.91	113.000	0.00	0.62	6.955	O					8.66
107.917	0.00	0.63	7.215	O					8.90	113.083	0.00	0.62	6.950	O					8.65
108.000	0.00	0.63	7.211	O					8.90	113.167	0.00	0.62	6.946	O					8.65
108.083	0.00	0.63	7.207	O					8.90	113.250	0.00	0.62	6.942	O					8.65
108.167	0.00	0.63	7.203	O					8.89	113.333	0.00	0.62	6.938	O					8.64
108.250	0.00	0.63	7.198	O					8.89	113.417	0.00	0.62	6.933	O					8.64
108.333	0.00	0.63	7.194	O					8.88	113.500	0.00	0.62	6.929	O					8.63
108.417	0.00	0.63	7.190	O					8.88	113.583	0.00	0.62	6.925	O					8.63
108.500	0.00	0.62	7.185	O					8.87	113.667	0.00	0.62	6.921	O					8.63
108.583	0.00	0.62	7.181	O					8.87	113.750	0.00	0.61	6.916	O					8.62
108.667	0.00	0.62	7.177	O					8.87	113.833	0.00	0.61	6.912	O					8.62
108.750	0.00	0.62	7.172	O					8.86	113.917	0.00	0.61	6.908	O					8.61
108.833	0.00	0.62	7.168	O					8.86	114.000	0.00	0.61	6.904	O					8.61
108.917	0.00	0.62	7.164	O					8.85	114.083	0.00	0.61	6.899	O					8.61
109.000	0.00	0.62	7.160	O					8.85	114.167	0.00	0.61	6.895	O					8.60
109.083	0.00	0.62	7.155	O					8.85	114.250	0.00	0.61	6.891	O					8.60
109.167	0.00	0.62	7.151	O					8.84	114.333	0.00	0.61	6.887	O					8.59
109.250	0.00	0.62	7.147	O					8.84	114.417	0.00	0.61	6.883	O					8.59
109.333	0.00	0.62	7.142	O					8.83	114.500	0.00	0.61	6.878	O					8.59
109.417	0.00	0.62	7.138	O					8.83	114.583	0.00	0.61	6.874	O					8.58
109.500	0.00	0.62	7.134	O					8.83	114.667	0.00	0.61	6.870	O					8.58
109.583	0.00	0.62	7.129	O					8.82	114.750	0.00	0.61	6.866	O					8.57
109.667	0.00	0.62	7.125	O					8.82	114.833	0.00	0.61	6.861	O					8.57
109.750	0.00	0.62	7.121	O					8.81	114.917	0.00	0.61	6.857	O					8.57
109.833	0.00	0.62	7.117	O					8.81	115.000	0.00	0.61	6.853	O					8.56
109.917	0.00	0.62	7.112	O					8.81	115.083	0.00	0.61	6.849	O					8.56
110.000	0.00	0.62	7.108	O					8.80	115.167	0.00	0.61	6.845	O					8.55
110.083	0.00	0.62	7.104	O					8.80	115.250	0.00	0.61	6.840	O					8.55
110.167	0.00	0.62	7.099	O					8.79	115.333	0.00	0.61	6.836	O					8.55
110.250	0.00	0.62	7.095	O					8.79	115.417	0.00	0.61	6.832	O					8.54
110.333	0.00	0.62	7.091	O					8.79	115.500	0.00	0.61	6.828	O					8.54
110.417	0.00	0.62	7.087	O					8.78	115.583	0.00	0.61	6.823	O					8.53
110.500	0.00	0.62	7.082	O					8.78	115.667	0.00	0.61	6.819	O					8.53
110.583	0.00	0.62	7.078	O					8.77	115.750	0.00	0.61	6.815	O					8.53
110.667	0.00	0.62	7.074	O					8.77	115.833	0.00	0.61	6.811	O					8.52
110.750	0.00	0.62	7.070	O					8.77	115.917	0.00	0.61	6.807	O					8.52
110.833	0.00	0.62	7.065	O					8.76	116.000	0.00	0.61	6.802	O					8.51
110.917	0.00	0.62	7.061	O					8.76	116.083	0.00	0.61	6.798	O					8.51
111.000	0.00	0.62	7.057	O					8.75	116.167	0.00	0.61	6.794	O					8.51
111.083	0.00	0.62	7.052	O					8.75	116.250	0.00	0.61	6.790	O					8.50
111.167	0.00	0.62	7.048	O					8.75	116.333	0.00	0.61	6.786	O					8.50
111.250	0.00	0.62	7.044	O					8.74	116.417	0.00	0.61	6.781	O					8.49
111.333	0.00	0.62	7.040	O					8.74	116.500	0.00	0.61	6.777	O					8.49
111.417	0.00	0.62	7.035	O					8.73	116.583	0.00	0.61	6.773	O					8.49
111.500	0.00	0.62	7.031	O					8.73	116.667	0.00	0.61	6.769	O					8.48
111.583	0.00	0.62	7.027	O					8.73	116.750	0.00	0.61	6.765	O					8.48
111.667	0.00	0.62	7.023	O					8.72	116.833	0.00	0.61	6.760	O					8.47
111.750	0.00	0.62	7.018	O					8.72	116.917	0.00	0.61	6.756	O					8.47
111.833	0.00	0.62	7.014	O					8.71	117.000	0.00	0.61	6.752	O					8.47

117.083	0.00	0.61	6.748	O	|	|	|	|	8.46	122.250	0.00	0.60	6.490	O	|	|	|	|	8.22
117.167	0.00	0.61	6.744	O	|	|	|	|	8.46	122.333	0.00	0.60	6.486	O	|	|	|	|	8.22
117.250	0.00	0.61	6.739	O	|	|	|	|	8.45	122.417	0.00	0.60	6.482	O	|	|	|	|	8.21
117.333	0.00	0.61	6.735	O	|	|	|	|	8.45	122.500	0.00	0.60	6.478	O	|	|	|	|	8.21
117.417	0.00	0.61	6.731	O	|	|	|	|	8.45	122.583	0.00	0.60	6.474	O	|	|	|	|	8.20
117.500	0.00	0.61	6.727	O	|	|	|	|	8.44	122.667	0.00	0.60	6.469	O	|	|	|	|	8.20
117.583	0.00	0.61	6.723	O	|	|	|	|	8.44	122.750	0.00	0.60	6.465	O	|	|	|	|	8.20
117.667	0.00	0.61	6.719	O	|	|	|	|	8.44	122.833	0.00	0.60	6.461	O	|	|	|	|	8.19
117.750	0.00	0.61	6.714	O	|	|	|	|	8.43	122.917	0.00	0.60	6.457	O	|	|	|	|	8.19
117.833	0.00	0.61	6.710	O	|	|	|	|	8.43	123.000	0.00	0.60	6.453	O	|	|	|	|	8.18
117.917	0.00	0.61	6.706	O	|	|	|	|	8.42	123.083	0.00	0.60	6.449	O	|	|	|	|	8.18
118.000	0.00	0.61	6.702	O	|	|	|	|	8.42	123.167	0.00	0.60	6.445	O	|	|	|	|	8.18
118.083	0.00	0.61	6.698	O	|	|	|	|	8.42	123.250	0.00	0.60	6.441	O	|	|	|	|	8.17
118.167	0.00	0.61	6.693	O	|	|	|	|	8.41	123.333	0.00	0.60	6.437	O	|	|	|	|	8.17
118.250	0.00	0.61	6.689	O	|	|	|	|	8.41	123.417	0.00	0.60	6.432	O	|	|	|	|	8.17
118.333	0.00	0.61	6.685	O	|	|	|	|	8.40	123.500	0.00	0.60	6.428	O	|	|	|	|	8.16
118.417	0.00	0.61	6.681	O	|	|	|	|	8.40	123.583	0.00	0.60	6.424	O	|	|	|	|	8.16
118.500	0.00	0.61	6.677	O	|	|	|	|	8.40	123.667	0.00	0.60	6.420	O	|	|	|	|	8.15
118.583	0.00	0.61	6.673	O	|	|	|	|	8.39	123.750	0.00	0.60	6.416	O	|	|	|	|	8.15
118.667	0.00	0.61	6.668	O	|	|	|	|	8.39	123.833	0.00	0.60	6.412	O	|	|	|	|	8.15
118.750	0.00	0.61	6.664	O	|	|	|	|	8.38	123.917	0.00	0.60	6.408	O	|	|	|	|	8.14
118.833	0.00	0.61	6.660	O	|	|	|	|	8.38	124.000	0.00	0.60	6.404	O	|	|	|	|	8.14
118.917	0.00	0.61	6.656	O	|	|	|	|	8.38	124.083	0.00	0.60	6.400	O	|	|	|	|	8.13
119.000	0.00	0.60	6.652	O	|	|	|	|	8.37	124.167	0.00	0.60	6.396	O	|	|	|	|	8.13
119.083	0.00	0.60	6.648	O	|	|	|	|	8.37	124.250	0.00	0.60	6.391	O	|	|	|	|	8.13
119.167	0.00	0.60	6.643	O	|	|	|	|	8.36	124.333	0.00	0.59	6.387	O	|	|	|	|	8.12
119.250	0.00	0.60	6.639	O	|	|	|	|	8.36	124.417	0.00	0.59	6.383	O	|	|	|	|	8.12
119.333	0.00	0.60	6.635	O	|	|	|	|	8.36	124.500	0.00	0.59	6.379	O	|	|	|	|	8.12
119.417	0.00	0.60	6.631	O	|	|	|	|	8.35	124.583	0.00	0.59	6.375	O	|	|	|	|	8.11
119.500	0.00	0.60	6.627	O	|	|	|	|	8.35	124.667	0.00	0.59	6.371	O	|	|	|	|	8.11
119.583	0.00	0.60	6.623	O	|	|	|	|	8.34	124.750	0.00	0.59	6.367	O	|	|	|	|	8.10
119.667	0.00	0.60	6.618	O	|	|	|	|	8.34	124.833	0.00	0.59	6.363	O	|	|	|	|	8.10
119.750	0.00	0.60	6.614	O	|	|	|	|	8.34	124.917	0.00	0.59	6.359	O	|	|	|	|	8.10
119.833	0.00	0.60	6.610	O	|	|	|	|	8.33	125.000	0.00	0.59	6.355	O	|	|	|	|	8.09
119.917	0.00	0.60	6.606	O	|	|	|	|	8.33	125.083	0.00	0.59	6.350	O	|	|	|	|	8.09
120.000	0.00	0.60	6.602	O	|	|	|	|	8.33	125.167	0.00	0.59	6.346	O	|	|	|	|	8.08
120.083	0.00	0.60	6.598	O	|	|	|	|	8.32	125.250	0.00	0.59	6.342	O	|	|	|	|	8.08
120.167	0.00	0.60	6.594	O	|	|	|	|	8.32	125.333	0.00	0.59	6.338	O	|	|	|	|	8.08
120.250	0.00	0.60	6.589	O	|	|	|	|	8.31	125.417	0.00	0.59	6.334	O	|	|	|	|	8.07
120.333	0.00	0.60	6.585	O	|	|	|	|	8.31	125.500	0.00	0.59	6.330	O	|	|	|	|	8.07
120.417	0.00	0.60	6.581	O	|	|	|	|	8.31	125.583	0.00	0.59	6.326	O	|	|	|	|	8.07
120.500	0.00	0.60	6.577	O	|	|	|	|	8.30	125.667	0.00	0.59	6.322	O	|	|	|	|	8.06
120.583	0.00	0.60	6.573	O	|	|	|	|	8.30	125.750	0.00	0.59	6.318	O	|	|	|	|	8.06
120.667	0.00	0.60	6.569	O	|	|	|	|	8.29	125.833	0.00	0.59	6.314	O	|	|	|	|	8.05
120.750	0.00	0.60	6.564	O	|	|	|	|	8.29	125.917	0.00	0.59	6.310	O	|	|	|	|	8.05
120.833	0.00	0.60	6.560	O	|	|	|	|	8.29	126.000	0.00	0.59	6.306	O	|	|	|	|	8.05
120.917	0.00	0.60	6.556	O	|	|	|	|	8.28	126.083	0.00	0.59	6.302	O	|	|	|	|	8.04
121.000	0.00	0.60	6.552	O	|	|	|	|	8.28	126.167	0.00	0.59	6.297	O	|	|	|	|	8.04
121.083	0.00	0.60	6.548	O	|	|	|	|	8.27	126.250	0.00	0.59	6.293	O	|	|	|	|	8.03
121.167	0.00	0.60	6.544	O	|	|	|	|	8.27	126.333	0.00	0.59	6.289	O	|	|	|	|	8.03
121.250	0.00	0.60	6.540	O	|	|	|	|	8.27	126.417	0.00	0.59	6.285	O	|	|	|	|	8.03
121.333	0.00	0.60	6.536	O	|	|	|	|	8.26	126.500	0.00	0.59	6.281	O	|	|	|	|	8.02
121.417	0.00	0.60	6.531	O	|	|	|	|	8.26	126.583	0.00	0.59	6.277	O	|	|	|	|	8.02
121.500	0.00	0.60	6.527	O	|	|	|	|	8.25	126.667	0.00	0.59	6.273	O	|	|	|	|	8.02
121.583	0.00	0.60	6.523	O	|	|	|	|	8.25	126.750	0.00	0.59	6.269	O	|	|	|	|	8.01
121.667	0.00	0.60	6.519	O	|	|	|	|	8.25	126.833	0.00	0.59	6.265	O	|	|	|	|	8.01
121.750	0.00	0.60	6.515	O	|	|	|	|	8.24	126.917	0.00	0.59	6.261	O	|	|	|	|	8.00
121.833	0.00	0.60	6.511	O	|	|	|	|	8.24	127.000	0.00	0.59	6.257	O	|	|	|	|	8.00
121.917	0.00	0.60	6.507	O	|	|	|	|	8.24	127.083	0.00	0.59	6.253	O	|	|	|	|	8.00
122.000	0.00	0.60	6.502	O	|	|	|	|	8.23	127.167	0.00	0.59	6.249	O	|	|	|	|	7.99
122.083	0.00	0.60	6.498	O	|	|	|	|	8.23	127.250	0.00	0.59	6.245	O	|	|	|	|	7.99
122.167	0.00	0.60	6.494	O	|	|	|	|	8.22	127.333	0.00	0.59	6.241	O	|	|	|	|	7.98

127.417	0.00	0.59	6.236	O					7.98	132.583	0.00	0.58	5.987	O					7.73
127.500	0.00	0.59	6.232	O					7.98	132.667	0.00	0.58	5.983	O					7.72
127.583	0.00	0.59	6.228	O					7.97	132.750	0.00	0.58	5.979	O					7.72
127.667	0.00	0.59	6.224	O					7.97	132.833	0.00	0.58	5.975	O					7.72
127.750	0.00	0.59	6.220	O					7.96	132.917	0.00	0.58	5.971	O					7.71
127.833	0.00	0.59	6.216	O					7.96	133.000	0.00	0.58	5.967	O					7.71
127.917	0.00	0.59	6.212	O					7.95	133.083	0.00	0.58	5.963	O					7.70
128.000	0.00	0.59	6.208	O					7.95	133.167	0.00	0.58	5.959	O					7.70
128.083	0.00	0.59	6.204	O					7.95	133.250	0.00	0.58	5.955	O					7.70
128.167	0.00	0.59	6.200	O					7.94	133.333	0.00	0.58	5.951	O					7.69
128.250	0.00	0.59	6.196	O					7.94	133.417	0.00	0.58	5.947	O					7.69
128.333	0.00	0.59	6.192	O					7.93	133.500	0.00	0.58	5.943	O					7.68
128.417	0.00	0.59	6.188	O					7.93	133.583	0.00	0.58	5.939	O					7.68
128.500	0.00	0.59	6.184	O					7.93	133.667	0.00	0.58	5.935	O					7.68
128.583	0.00	0.59	6.180	O					7.92	133.750	0.00	0.58	5.931	O					7.67
128.667	0.00	0.59	6.176	O					7.92	133.833	0.00	0.58	5.927	O					7.67
128.750	0.00	0.59	6.172	O					7.91	133.917	0.00	0.58	5.923	O					7.66
128.833	0.00	0.59	6.168	O					7.91	134.000	0.00	0.58	5.919	O					7.66
128.917	0.00	0.59	6.164	O					7.91	134.083	0.00	0.58	5.915	O					7.66
129.000	0.00	0.59	6.160	O					7.90	134.167	0.00	0.58	5.911	O					7.65
129.083	0.00	0.59	6.156	O					7.90	134.250	0.00	0.58	5.907	O					7.65
129.167	0.00	0.59	6.151	O					7.89	134.333	0.00	0.58	5.904	O					7.64
129.250	0.00	0.59	6.147	O					7.89	134.417	0.00	0.58	5.900	O					7.64
129.333	0.00	0.59	6.143	O					7.89	134.500	0.00	0.58	5.896	O					7.64
129.417	0.00	0.59	6.139	O					7.88	134.583	0.00	0.58	5.892	O					7.63
129.500	0.00	0.59	6.135	O					7.88	134.667	0.00	0.58	5.888	O					7.63
129.583	0.00	0.58	6.131	O					7.87	134.750	0.00	0.57	5.884	O					7.62
129.667	0.00	0.58	6.127	O					7.87	134.833	0.00	0.57	5.880	O					7.62
129.750	0.00	0.58	6.123	O					7.87	134.917	0.00	0.57	5.876	O					7.62
129.833	0.00	0.58	6.119	O					7.86	135.000	0.00	0.57	5.872	O					7.61
129.917	0.00	0.58	6.115	O					7.86	135.083	0.00	0.57	5.868	O					7.61
130.000	0.00	0.58	6.111	O					7.85	135.167	0.00	0.57	5.864	O					7.60
130.083	0.00	0.58	6.107	O					7.85	135.250	0.00	0.57	5.860	O					7.60
130.167	0.00	0.58	6.103	O					7.85	135.333	0.00	0.57	5.856	O					7.60
130.250	0.00	0.58	6.099	O					7.84	135.417	0.00	0.57	5.852	O					7.59
130.333	0.00	0.58	6.095	O					7.84	135.500	0.00	0.57	5.848	O					7.59
130.417	0.00	0.58	6.091	O					7.83	135.583	0.00	0.57	5.844	O					7.58
130.500	0.00	0.58	6.087	O					7.83	135.667	0.00	0.57	5.840	O					7.58
130.583	0.00	0.58	6.083	O					7.83	135.750	0.00	0.57	5.836	O					7.58
130.667	0.00	0.58	6.079	O					7.82	135.833	0.00	0.57	5.832	O					7.57
130.750	0.00	0.58	6.075	O					7.82	135.917	0.00	0.57	5.828	O					7.57
130.833	0.00	0.58	6.071	O					7.81	136.000	0.00	0.57	5.824	O					7.56
130.917	0.00	0.58	6.067	O					7.81	136.083	0.00	0.57	5.820	O					7.56
131.000	0.00	0.58	6.063	O					7.80	136.167	0.00	0.57	5.817	O					7.56
131.083	0.00	0.58	6.059	O					7.80	136.250	0.00	0.57	5.813	O					7.55
131.167	0.00	0.58	6.055	O					7.80	136.333	0.00	0.57	5.809	O					7.55
131.250	0.00	0.58	6.051	O					7.79	136.417	0.00	0.57	5.805	O					7.54
131.333	0.00	0.58	6.047	O					7.79	136.500	0.00	0.57	5.801	O					7.54
131.417	0.00	0.58	6.043	O					7.78	136.583	0.00	0.57	5.797	O					7.54
131.500	0.00	0.58	6.039	O					7.78	136.667	0.00	0.57	5.793	O					7.53
131.583	0.00	0.58	6.035	O					7.78	136.750	0.00	0.57	5.789	O					7.53
131.667	0.00	0.58	6.031	O					7.77	136.833	0.00	0.57	5.785	O					7.53
131.750	0.00	0.58	6.027	O					7.77	136.917	0.00	0.57	5.781	O					7.52
131.833	0.00	0.58	6.023	O					7.76	137.000	0.00	0.57	5.777	O					7.52
131.917	0.00	0.58	6.019	O					7.76	137.083	0.00	0.57	5.773	O					7.51
132.000	0.00	0.58	6.015	O					7.76	137.167	0.00	0.57	5.769	O					7.51
132.083	0.00	0.58	6.011	O					7.75	137.250	0.00	0.57	5.765	O					7.51
132.167	0.00	0.58	6.007	O					7.75	137.333	0.00	0.57	5.761	O					7.50
132.250	0.00	0.58	6.003	O					7.74	137.417	0.00	0.57	5.758	O					7.50
132.333	0.00	0.58	5.999	O					7.74	137.500	0.00	0.57	5.754	O					7.49
132.417	0.00	0.58	5.995	O					7.74	137.583	0.00	0.57	5.750	O					7.49
132.500	0.00	0.58	5.991	O					7.73	137.667	0.00	0.57	5.746	O					7.49

137.750	0.00	0.57	5.742	O					7.48	142.917	0.00	0.56	5.501	O					7.24
137.833	0.00	0.57	5.738	O					7.48	143.000	0.00	0.56	5.497	O					7.24
137.917	0.00	0.57	5.734	O					7.47	143.083	0.00	0.56	5.493	O					7.23
138.000	0.00	0.57	5.730	O					7.47	143.167	0.00	0.56	5.489	O					7.23
138.083	0.00	0.57	5.726	O					7.47	143.250	0.00	0.56	5.485	O					7.22
138.167	0.00	0.57	5.722	O					7.46	143.333	0.00	0.56	5.482	O					7.22
138.250	0.00	0.57	5.718	O					7.46	143.417	0.00	0.56	5.478	O					7.22
138.333	0.00	0.57	5.714	O					7.45	143.500	0.00	0.56	5.474	O					7.21
138.417	0.00	0.57	5.711	O					7.45	143.583	0.00	0.56	5.470	O					7.21
138.500	0.00	0.57	5.707	O					7.45	143.667	0.00	0.56	5.466	O					7.20
138.583	0.00	0.57	5.703	O					7.44	143.750	0.00	0.56	5.462	O					7.20
138.667	0.00	0.57	5.699	O					7.44	143.833	0.00	0.56	5.459	O					7.20
138.750	0.00	0.57	5.695	O					7.43	143.917	0.00	0.56	5.455	O					7.19
138.833	0.00	0.57	5.691	O					7.43	144.000	0.00	0.56	5.451	O					7.19
138.917	0.00	0.57	5.687	O					7.43	144.083	0.00	0.56	5.447	O					7.19
139.000	0.00	0.57	5.683	O					7.42	144.167	0.00	0.56	5.443	O					7.18
139.083	0.00	0.57	5.679	O					7.42	144.250	0.00	0.56	5.439	O					7.18
139.167	0.00	0.57	5.675	O					7.41	144.333	0.00	0.56	5.435	O					7.17
139.250	0.00	0.57	5.671	O					7.41	144.417	0.00	0.56	5.432	O					7.17
139.333	0.00	0.57	5.668	O					7.41	144.500	0.00	0.56	5.428	O					7.17
139.417	0.00	0.57	5.664	O					7.40	144.583	0.00	0.56	5.424	O					7.16
139.500	0.00	0.57	5.660	O					7.40	144.667	0.00	0.56	5.420	O					7.16
139.583	0.00	0.57	5.656	O					7.40	144.750	0.00	0.56	5.416	O					7.15
139.667	0.00	0.57	5.652	O					7.39	144.833	0.00	0.56	5.413	O					7.15
139.750	0.00	0.57	5.648	O					7.39	144.917	0.00	0.56	5.409	O					7.15
139.833	0.00	0.57	5.644	O					7.38	145.000	0.00	0.56	5.405	O					7.14
139.917	0.00	0.57	5.640	O					7.38	145.083	0.00	0.56	5.401	O					7.14
140.000	0.00	0.57	5.636	O					7.38	145.167	0.00	0.56	5.397	O					7.14
140.083	0.00	0.56	5.633	O					7.37	145.250	0.00	0.56	5.393	O					7.13
140.167	0.00	0.56	5.629	O					7.37	145.333	0.00	0.56	5.390	O					7.13
140.250	0.00	0.56	5.625	O					7.36	145.417	0.00	0.55	5.386	O					7.12
140.333	0.00	0.56	5.621	O					7.36	145.500	0.00	0.55	5.382	O					7.12
140.417	0.00	0.56	5.617	O					7.36	145.583	0.00	0.55	5.378	O					7.12
140.500	0.00	0.56	5.613	O					7.35	145.667	0.00	0.55	5.374	O					7.11
140.583	0.00	0.56	5.609	O					7.35	145.750	0.00	0.55	5.370	O					7.11
140.667	0.00	0.56	5.605	O					7.34	145.833	0.00	0.55	5.367	O					7.10
140.750	0.00	0.56	5.601	O					7.34	145.917	0.00	0.55	5.363	O					7.10
140.833	0.00	0.56	5.598	O					7.34	146.000	0.00	0.55	5.359	O					7.10
140.917	0.00	0.56	5.594	O					7.33	146.083	0.00	0.55	5.355	O					7.09
141.000	0.00	0.56	5.590	O					7.33	146.167	0.00	0.55	5.351	O					7.09
141.083	0.00	0.56	5.586	O					7.32	146.250	0.00	0.55	5.348	O					7.09
141.167	0.00	0.56	5.582	O					7.32	146.333	0.00	0.55	5.344	O					7.08
141.250	0.00	0.56	5.578	O					7.32	146.417	0.00	0.55	5.340	O					7.08
141.333	0.00	0.56	5.574	O					7.31	146.500	0.00	0.55	5.336	O					7.07
141.417	0.00	0.56	5.570	O					7.31	146.583	0.00	0.55	5.332	O					7.07
141.500	0.00	0.56	5.567	O					7.31	146.667	0.00	0.55	5.329	O					7.07
141.583	0.00	0.56	5.563	O					7.30	146.750	0.00	0.55	5.325	O					7.06
141.667	0.00	0.56	5.559	O					7.30	146.833	0.00	0.55	5.321	O					7.06
141.750	0.00	0.56	5.555	O					7.29	146.917	0.00	0.55	5.317	O					7.05
141.833	0.00	0.56	5.551	O					7.29	147.000	0.00	0.55	5.313	O					7.05
141.917	0.00	0.56	5.547	O					7.29	147.083	0.00	0.55	5.309	O					7.05
142.000	0.00	0.56	5.543	O					7.28	147.167	0.00	0.55	5.306	O					7.04
142.083	0.00	0.56	5.539	O					7.28	147.250	0.00	0.55	5.302	O					7.04
142.167	0.00	0.56	5.536	O					7.27	147.333	0.00	0.55	5.298	O					7.04
142.250	0.00	0.56	5.532	O					7.27	147.417	0.00	0.55	5.294	O					7.03
142.333	0.00	0.56	5.528	O					7.27	147.500	0.00	0.55	5.291	O					7.03
142.417	0.00	0.56	5.524	O					7.26	147.583	0.00	0.55	5.287	O					7.02
142.500	0.00	0.56	5.520	O					7.26	147.667	0.00	0.55	5.283	O					7.02
142.583	0.00	0.56	5.516	O					7.25	147.750	0.00	0.55	5.279	O					7.02
142.667	0.00	0.56	5.512	O					7.25	147.833	0.00	0.55	5.275	O					7.01
142.750	0.00	0.56	5.509	O					7.25	147.917	0.00	0.55	5.272	O					7.01
142.833	0.00	0.56	5.505	O					7.24	148.000	0.00	0.55	5.268	O					7.00

148.083	0.00	0.55	5.264	O	|	|	|	|	7.00	153.250	0.00	0.54	5.031	O	|	|	|	|	6.75
148.167	0.00	0.55	5.260	O	|	|	|	|	7.00	153.333	0.00	0.54	5.028	O	|	|	|	|	6.75
148.250	0.00	0.55	5.256	O	|	|	|	|	6.99	153.417	0.00	0.54	5.024	O	|	|	|	|	6.74
148.333	0.00	0.55	5.253	O	|	|	|	|	6.99	153.500	0.00	0.54	5.020	O	|	|	|	|	6.74
148.417	0.00	0.55	5.249	O	|	|	|	|	6.98	153.583	0.00	0.54	5.016	O	|	|	|	|	6.73
148.500	0.00	0.55	5.245	O	|	|	|	|	6.98	153.667	0.00	0.54	5.013	O	|	|	|	|	6.73
148.583	0.00	0.55	5.241	O	|	|	|	|	6.98	153.750	0.00	0.54	5.009	O	|	|	|	|	6.73
148.667	0.00	0.55	5.237	O	|	|	|	|	6.97	153.833	0.00	0.54	5.005	O	|	|	|	|	6.72
148.750	0.00	0.55	5.234	O	|	|	|	|	6.97	153.917	0.00	0.54	5.002	O	|	|	|	|	6.72
148.833	0.00	0.55	5.230	O	|	|	|	|	6.96	154.000	0.00	0.54	4.998	O	|	|	|	|	6.71
148.917	0.00	0.55	5.226	O	|	|	|	|	6.96	154.083	0.00	0.54	4.994	O	|	|	|	|	6.71
149.000	0.00	0.55	5.222	O	|	|	|	|	6.96	154.167	0.00	0.54	4.990	O	|	|	|	|	6.71
149.083	0.00	0.55	5.219	O	|	|	|	|	6.95	154.250	0.00	0.54	4.987	O	|	|	|	|	6.70
149.167	0.00	0.55	5.215	O	|	|	|	|	6.95	154.333	0.00	0.54	4.983	O	|	|	|	|	6.70
149.250	0.00	0.55	5.211	O	|	|	|	|	6.94	154.417	0.00	0.54	4.979	O	|	|	|	|	6.69
149.333	0.00	0.55	5.207	O	|	|	|	|	6.94	154.500	0.00	0.54	4.976	O	|	|	|	|	6.69
149.417	0.00	0.55	5.203	O	|	|	|	|	6.94	154.583	0.00	0.54	4.972	O	|	|	|	|	6.69
149.500	0.00	0.55	5.200	O	|	|	|	|	6.93	154.667	0.00	0.54	4.968	O	|	|	|	|	6.68
149.583	0.00	0.55	5.196	O	|	|	|	|	6.93	154.750	0.00	0.54	4.964	O	|	|	|	|	6.68
149.667	0.00	0.55	5.192	O	|	|	|	|	6.92	154.833	0.00	0.54	4.961	O	|	|	|	|	6.68
149.750	0.00	0.55	5.188	O	|	|	|	|	6.92	154.917	0.00	0.54	4.957	O	|	|	|	|	6.67
149.833	0.00	0.55	5.185	O	|	|	|	|	6.92	155.000	0.00	0.54	4.953	O	|	|	|	|	6.67
149.917	0.00	0.55	5.181	O	|	|	|	|	6.91	155.083	0.00	0.54	4.950	O	|	|	|	|	6.66
150.000	0.00	0.55	5.177	O	|	|	|	|	6.91	155.167	0.00	0.54	4.946	O	|	|	|	|	6.66
150.083	0.00	0.55	5.173	O	|	|	|	|	6.90	155.250	0.00	0.54	4.942	O	|	|	|	|	6.66
150.167	0.00	0.55	5.170	O	|	|	|	|	6.90	155.333	0.00	0.54	4.939	O	|	|	|	|	6.65
150.250	0.00	0.55	5.166	O	|	|	|	|	6.90	155.417	0.00	0.54	4.935	O	|	|	|	|	6.65
150.333	0.00	0.55	5.162	O	|	|	|	|	6.89	155.500	0.00	0.54	4.931	O	|	|	|	|	6.64
150.417	0.00	0.55	5.158	O	|	|	|	|	6.89	155.583	0.00	0.54	4.928	O	|	|	|	|	6.64
150.500	0.00	0.55	5.155	O	|	|	|	|	6.88	155.667	0.00	0.54	4.924	O	|	|	|	|	6.64
150.583	0.00	0.55	5.151	O	|	|	|	|	6.88	155.750	0.00	0.54	4.920	O	|	|	|	|	6.63
150.667	0.00	0.55	5.147	O	|	|	|	|	6.88	155.833	0.00	0.54	4.916	O	|	|	|	|	6.63
150.750	0.00	0.54	5.143	O	|	|	|	|	6.87	155.917	0.00	0.53	4.913	O	|	|	|	|	6.62
150.833	0.00	0.54	5.140	O	|	|	|	|	6.87	156.000	0.00	0.53	4.909	O	|	|	|	|	6.62
150.917	0.00	0.54	5.136	O	|	|	|	|	6.86	156.083	0.00	0.53	4.905	O	|	|	|	|	6.62
151.000	0.00	0.54	5.132	O	|	|	|	|	6.86	156.167	0.00	0.53	4.902	O	|	|	|	|	6.61
151.083	0.00	0.54	5.128	O	|	|	|	|	6.86	156.250	0.00	0.53	4.898	O	|	|	|	|	6.61
151.167	0.00	0.54	5.125	O	|	|	|	|	6.85	156.333	0.00	0.53	4.894	O	|	|	|	|	6.60
151.250	0.00	0.54	5.121	O	|	|	|	|	6.85	156.417	0.00	0.53	4.891	O	|	|	|	|	6.60
151.333	0.00	0.54	5.117	O	|	|	|	|	6.84	156.500	0.00	0.53	4.887	O	|	|	|	|	6.60
151.417	0.00	0.54	5.113	O	|	|	|	|	6.84	156.583	0.00	0.53	4.883	O	|	|	|	|	6.59
151.500	0.00	0.54	5.110	O	|	|	|	|	6.84	156.667	0.00	0.53	4.880	O	|	|	|	|	6.59
151.583	0.00	0.54	5.106	O	|	|	|	|	6.83	156.750	0.00	0.53	4.876	O	|	|	|	|	6.58
151.667	0.00	0.54	5.102	O	|	|	|	|	6.83	156.833	0.00	0.53	4.872	O	|	|	|	|	6.58
151.750	0.00	0.54	5.098	O	|	|	|	|	6.82	156.917	0.00	0.53	4.869	O	|	|	|	|	6.58
151.833	0.00	0.54	5.095	O	|	|	|	|	6.82	157.000	0.00	0.53	4.865	O	|	|	|	|	6.57
151.917	0.00	0.54	5.091	O	|	|	|	|	6.81	157.083	0.00	0.53	4.861	O	|	|	|	|	6.57
152.000	0.00	0.54	5.087	O	|	|	|	|	6.81	157.167	0.00	0.53	4.858	O	|	|	|	|	6.56
152.083	0.00	0.54	5.083	O	|	|	|	|	6.81	157.250	0.00	0.53	4.854	O	|	|	|	|	6.56
152.167	0.00	0.54	5.080	O	|	|	|	|	6.80	157.333	0.00	0.53	4.850	O	|	|	|	|	6.56
152.250	0.00	0.54	5.076	O	|	|	|	|	6.80	157.417	0.00	0.53	4.847	O	|	|	|	|	6.55
152.333	0.00	0.54	5.072	O	|	|	|	|	6.79	157.500	0.00	0.53	4.843	O	|	|	|	|	6.55
152.417	0.00	0.54	5.068	O	|	|	|	|	6.79	157.583	0.00	0.53	4.839	O	|	|	|	|	6.54
152.500	0.00	0.54	5.065	O	|	|	|	|	6.79	157.667	0.00	0.53	4.836	O	|	|	|	|	6.54
152.583	0.00	0.54	5.061	O	|	|	|	|	6.78	157.750	0.00	0.53	4.832	O	|	|	|	|	6.54
152.667	0.00	0.54	5.057	O	|	|	|	|	6.78	157.833	0.00	0.53	4.828	O	|	|	|	|	6.53
152.750	0.00	0.54	5.054	O	|	|	|	|	6.77	157.917	0.00	0.53	4.825	O	|	|	|	|	6.53
152.833	0.00	0.54	5.050	O	|	|	|	|	6.77	158.000	0.00	0.53	4.821	O	|	|	|	|	6.52
152.917	0.00	0.54	5.046	O	|	|	|	|	6.77	158.083	0.00	0.53	4.817	O	|	|	|	|	6.52
153.000	0.00	0.54	5.042	O	|	|	|	|	6.76	158.167	0.00	0.53	4.814	O	|	|	|	|	6.52
153.083	0.00	0.54	5.039	O	|	|	|	|	6.76	158.250	0.00	0.53	4.810	O	|	|	|	|	6.51
153.167	0.00	0.54	5.035	O	|	|	|	|	6.75	158.333	0.00	0.53	4.806	O	|	|	|	|	6.51

158.417	0.00	0.53	4.803	O	|	|	|	|	6.51	163.583	0.00	0.52	4.578	O	|	|	|	|	6.26
158.500	0.00	0.53	4.799	O	|	|	|	|	6.50	163.667	0.00	0.52	4.575	O	|	|	|	|	6.26
158.583	0.00	0.53	4.795	O	|	|	|	|	6.50	163.750	0.00	0.52	4.571	O	|	|	|	|	6.26
158.667	0.00	0.53	4.792	O	|	|	|	|	6.49	163.833	0.00	0.52	4.568	O	|	|	|	|	6.25
158.750	0.00	0.53	4.788	O	|	|	|	|	6.49	163.917	0.00	0.52	4.564	O	|	|	|	|	6.25
158.833	0.00	0.53	4.785	O	|	|	|	|	6.49	164.000	0.00	0.52	4.561	O	|	|	|	|	6.24
158.917	0.00	0.53	4.781	O	|	|	|	|	6.48	164.083	0.00	0.52	4.557	O	|	|	|	|	6.24
159.000	0.00	0.53	4.777	O	|	|	|	|	6.48	164.167	0.00	0.52	4.553	O	|	|	|	|	6.24
159.083	0.00	0.53	4.774	O	|	|	|	|	6.47	164.250	0.00	0.52	4.550	O	|	|	|	|	6.23
159.167	0.00	0.53	4.770	O	|	|	|	|	6.47	164.333	0.00	0.52	4.546	O	|	|	|	|	6.23
159.250	0.00	0.53	4.766	O	|	|	|	|	6.47	164.417	0.00	0.52	4.543	O	|	|	|	|	6.23
159.333	0.00	0.53	4.763	O	|	|	|	|	6.46	164.500	0.00	0.52	4.539	O	|	|	|	|	6.22
159.417	0.00	0.53	4.759	O	|	|	|	|	6.46	164.583	0.00	0.52	4.535	O	|	|	|	|	6.22
159.500	0.00	0.53	4.755	O	|	|	|	|	6.45	164.667	0.00	0.52	4.532	O	|	|	|	|	6.21
159.583	0.00	0.53	4.752	O	|	|	|	|	6.45	164.750	0.00	0.52	4.528	O	|	|	|	|	6.21
159.667	0.00	0.53	4.748	O	|	|	|	|	6.45	164.833	0.00	0.52	4.525	O	|	|	|	|	6.21
159.750	0.00	0.53	4.744	O	|	|	|	|	6.44	164.917	0.00	0.52	4.521	O	|	|	|	|	6.20
159.833	0.00	0.53	4.741	O	|	|	|	|	6.44	165.000	0.00	0.52	4.518	O	|	|	|	|	6.20
159.917	0.00	0.53	4.737	O	|	|	|	|	6.43	165.083	0.00	0.52	4.514	O	|	|	|	|	6.19
160.000	0.00	0.53	4.734	O	|	|	|	|	6.43	165.167	0.00	0.52	4.510	O	|	|	|	|	6.19
160.083	0.00	0.53	4.730	O	|	|	|	|	6.43	165.250	0.00	0.52	4.507	O	|	|	|	|	6.19
160.167	0.00	0.53	4.726	O	|	|	|	|	6.42	165.333	0.00	0.52	4.503	O	|	|	|	|	6.18
160.250	0.00	0.53	4.723	O	|	|	|	|	6.42	165.417	0.00	0.52	4.500	O	|	|	|	|	6.18
160.333	0.00	0.53	4.719	O	|	|	|	|	6.42	165.500	0.00	0.52	4.496	O	|	|	|	|	6.18
160.417	0.00	0.53	4.715	O	|	|	|	|	6.41	165.583	0.00	0.52	4.493	O	|	|	|	|	6.17
160.500	0.00	0.53	4.712	O	|	|	|	|	6.41	165.667	0.00	0.52	4.489	O	|	|	|	|	6.17
160.583	0.00	0.53	4.708	O	|	|	|	|	6.40	165.750	0.00	0.52	4.486	O	|	|	|	|	6.16
160.667	0.00	0.53	4.705	O	|	|	|	|	6.40	165.833	0.00	0.52	4.482	O	|	|	|	|	6.16
160.750	0.00	0.53	4.701	O	|	|	|	|	6.40	165.917	0.00	0.52	4.478	O	|	|	|	|	6.16
160.833	0.00	0.53	4.697	O	|	|	|	|	6.39	166.000	0.00	0.52	4.475	O	|	|	|	|	6.15
160.917	0.00	0.53	4.694	O	|	|	|	|	6.39	166.083	0.00	0.52	4.471	O	|	|	|	|	6.15
161.000	0.00	0.53	4.690	O	|	|	|	|	6.38	166.167	0.00	0.52	4.468	O	|	|	|	|	6.14
161.083	0.00	0.53	4.686	O	|	|	|	|	6.38	166.250	0.00	0.52	4.464	O	|	|	|	|	6.14
161.167	0.00	0.53	4.683	O	|	|	|	|	6.38	166.333	0.00	0.52	4.461	O	|	|	|	|	6.14
161.250	0.00	0.52	4.679	O	|	|	|	|	6.37	166.417	0.00	0.52	4.457	O	|	|	|	|	6.13
161.333	0.00	0.52	4.676	O	|	|	|	|	6.37	166.500	0.00	0.52	4.454	O	|	|	|	|	6.13
161.417	0.00	0.52	4.672	O	|	|	|	|	6.36	166.583	0.00	0.52	4.450	O	|	|	|	|	6.13
161.500	0.00	0.52	4.668	O	|	|	|	|	6.36	166.667	0.00	0.51	4.446	O	|	|	|	|	6.12
161.583	0.00	0.52	4.665	O	|	|	|	|	6.36	166.750	0.00	0.51	4.443	O	|	|	|	|	6.12
161.667	0.00	0.52	4.661	O	|	|	|	|	6.35	166.833	0.00	0.51	4.439	O	|	|	|	|	6.11
161.750	0.00	0.52	4.658	O	|	|	|	|	6.35	166.917	0.00	0.51	4.436	O	|	|	|	|	6.11
161.833	0.00	0.52	4.654	O	|	|	|	|	6.35	167.000	0.00	0.51	4.432	O	|	|	|	|	6.11
161.917	0.00	0.52	4.650	O	|	|	|	|	6.34	167.083	0.00	0.51	4.429	O	|	|	|	|	6.10
162.000	0.00	0.52	4.647	O	|	|	|	|	6.34	167.167	0.00	0.51	4.425	O	|	|	|	|	6.10
162.083	0.00	0.52	4.643	O	|	|	|	|	6.33	167.250	0.00	0.51	4.422	O	|	|	|	|	6.10
162.167	0.00	0.52	4.640	O	|	|	|	|	6.33	167.333	0.00	0.51	4.418	O	|	|	|	|	6.09
162.250	0.00	0.52	4.636	O	|	|	|	|	6.33	167.417	0.00	0.51	4.415	O	|	|	|	|	6.09
162.333	0.00	0.52	4.632	O	|	|	|	|	6.32	167.500	0.00	0.51	4.411	O	|	|	|	|	6.08
162.417	0.00	0.52	4.629	O	|	|	|	|	6.32	167.583	0.00	0.51	4.408	O	|	|	|	|	6.08
162.500	0.00	0.52	4.625	O	|	|	|	|	6.31	167.667	0.00	0.51	4.404	O	|	|	|	|	6.08
162.583	0.00	0.52	4.622	O	|	|	|	|	6.31	167.750	0.00	0.51	4.400	O	|	|	|	|	6.07
162.667	0.00	0.52	4.618	O	|	|	|	|	6.31	167.833	0.00	0.51	4.397	O	|	|	|	|	6.07
162.750	0.00	0.52	4.614	O	|	|	|	|	6.30	167.917	0.00	0.51	4.393	O	|	|	|	|	6.06
162.833	0.00	0.52	4.611	O	|	|	|	|	6.30	168.000	0.00	0.51	4.390	O	|	|	|	|	6.06
162.917	0.00	0.52	4.607	O	|	|	|	|	6.29	168.083	0.00	0.51	4.386	O	|	|	|	|	6.06
163.000	0.00	0.52	4.604	O	|	|	|	|	6.29	168.167	0.00	0.51	4.383	O	|	|	|	|	6.05
163.083	0.00	0.52	4.600	O	|	|	|	|	6.29	168.250	0.00	0.51	4.379	O	|	|	|	|	6.05
163.167	0.00	0.52	4.596	O	|	|	|	|	6.28	168.333	0.00	0.51	4.376	O	|	|	|	|	6.05
163.250	0.00	0.52	4.593	O	|	|	|	|	6.28	168.417	0.00	0.51	4.372	O	|	|	|	|	6.04
163.333	0.00	0.52	4.589	O	|	|	|	|	6.28	168.500	0.00	0.51	4.369	O	|	|	|	|	6.04
163.417	0.00	0.52	4.586	O	|	|	|	|	6.27	168.583	0.00	0.51	4.365	O	|	|	|	|	6.03
163.500	0.00	0.52	4.582	O	|	|	|	|	6.27	168.667	0.00	0.51	4.362	O	|	|	|	|	6.03

168.750	0.00	0.51	4.358	O					6.03	173.917	0.00	0.50	4.142	O					5.78
168.833	0.00	0.51	4.355	O					6.02	174.000	0.00	0.50	4.139	O					5.78
168.917	0.00	0.51	4.351	O					6.02	174.083	0.00	0.50	4.135	O					5.77
169.000	0.00	0.51	4.348	O					6.02	174.167	0.00	0.50	4.132	O					5.77
169.083	0.00	0.51	4.344	O					6.01	174.250	0.00	0.50	4.128	O					5.76
169.167	0.00	0.51	4.341	O					6.01	174.333	0.00	0.50	4.125	O					5.76
169.250	0.00	0.51	4.337	O					6.00	174.417	0.00	0.50	4.121	O					5.76
169.333	0.00	0.51	4.334	O					6.00	174.500	0.00	0.50	4.118	O					5.75
169.417	0.00	0.51	4.330	O					6.00	174.583	0.00	0.50	4.114	O					5.75
169.500	0.00	0.51	4.327	O					5.99	174.667	0.00	0.50	4.111	O					5.74
169.583	0.00	0.51	4.323	O					5.99	174.750	0.00	0.50	4.108	O					5.74
169.667	0.00	0.51	4.320	O					5.98	174.833	0.00	0.50	4.104	O					5.74
169.750	0.00	0.51	4.316	O					5.98	174.917	0.00	0.50	4.101	O					5.73
169.833	0.00	0.51	4.313	O					5.98	175.000	0.00	0.50	4.097	O					5.73
169.917	0.00	0.51	4.309	O					5.97	175.083	0.00	0.50	4.094	O					5.72
170.000	0.00	0.51	4.305	O					5.97	175.167	0.00	0.50	4.090	O					5.72
170.083	0.00	0.51	4.302	O					5.96	175.250	0.00	0.50	4.087	O					5.72
170.167	0.00	0.51	4.298	O					5.96	175.333	0.00	0.50	4.084	O					5.71
170.250	0.00	0.51	4.295	O					5.96	175.417	0.00	0.50	4.080	O					5.71
170.333	0.00	0.51	4.291	O					5.95	175.500	0.00	0.50	4.077	O					5.70
170.417	0.00	0.51	4.288	O					5.95	175.583	0.00	0.50	4.073	O					5.70
170.500	0.00	0.51	4.284	O					5.94	175.667	0.00	0.50	4.070	O					5.70
170.583	0.00	0.51	4.281	O					5.94	175.750	0.00	0.50	4.066	O					5.69
170.667	0.00	0.51	4.278	O					5.94	175.833	0.00	0.50	4.063	O					5.69
170.750	0.00	0.51	4.274	O					5.93	175.917	0.00	0.50	4.060	O					5.68
170.833	0.00	0.51	4.271	O					5.93	176.000	0.00	0.50	4.056	O					5.68
170.917	0.00	0.51	4.267	O					5.92	176.083	0.00	0.50	4.053	O					5.68
171.000	0.00	0.51	4.264	O					5.92	176.167	0.00	0.50	4.049	O					5.67
171.083	0.00	0.51	4.260	O					5.92	176.250	0.00	0.50	4.046	O					5.67
171.167	0.00	0.51	4.257	O					5.91	176.333	0.00	0.50	4.042	O					5.67
171.250	0.00	0.51	4.253	O					5.91	176.417	0.00	0.50	4.039	O					5.66
171.333	0.00	0.51	4.250	O					5.90	176.500	0.00	0.50	4.036	O					5.66
171.417	0.00	0.51	4.246	O					5.90	176.583	0.00	0.50	4.032	O					5.65
171.500	0.00	0.51	4.243	O					5.90	176.667	0.00	0.50	4.029	O					5.65
171.583	0.00	0.51	4.239	O					5.89	176.750	0.00	0.50	4.025	O					5.65
171.667	0.00	0.51	4.236	O					5.89	176.833	0.00	0.50	4.022	O					5.64
171.750	0.00	0.51	4.232	O					5.88	176.917	0.00	0.50	4.018	O					5.64
171.833	0.00	0.51	4.229	O					5.88	177.000	0.00	0.50	4.015	O					5.63
171.917	0.00	0.51	4.225	O					5.88	177.083	0.00	0.50	4.012	O					5.63
172.000	0.00	0.50	4.222	O					5.87	177.167	0.00	0.50	4.008	O					5.63
172.083	0.00	0.50	4.218	O					5.87	177.250	0.00	0.49	4.005	O					5.62
172.167	0.00	0.50	4.215	O					5.86	177.333	0.00	0.49	4.001	O					5.62
172.250	0.00	0.50	4.211	O					5.86	177.417	0.00	0.49	3.998	O					5.61
172.333	0.00	0.50	4.208	O					5.86	177.500	0.00	0.49	3.995	O					5.61
172.417	0.00	0.50	4.204	O					5.85	177.583	0.00	0.49	3.991	O					5.61
172.500	0.00	0.50	4.201	O					5.85	177.667	0.00	0.49	3.988	O					5.60
172.583	0.00	0.50	4.197	O					5.84	177.750	0.00	0.49	3.984	O					5.60
172.667	0.00	0.50	4.194	O					5.84	177.833	0.00	0.49	3.981	O					5.59
172.750	0.00	0.50	4.190	O					5.84	177.917	0.00	0.49	3.978	O					5.59
172.833	0.00	0.50	4.187	O					5.83	178.000	0.00	0.49	3.974	O					5.59
172.917	0.00	0.50	4.184	O					5.83	178.083	0.00	0.49	3.971	O					5.58
173.000	0.00	0.50	4.180	O					5.82	178.167	0.00	0.49	3.967	O					5.58
173.083	0.00	0.50	4.177	O					5.82	178.250	0.00	0.49	3.964	O					5.57
173.167	0.00	0.50	4.173	O					5.82	178.333	0.00	0.49	3.961	O					5.57
173.250	0.00	0.50	4.170	O					5.81	178.417	0.00	0.49	3.957	O					5.57
173.333	0.00	0.50	4.166	O					5.81	178.500	0.00	0.49	3.954	O					5.56
173.417	0.00	0.50	4.163	O					5.80	178.583	0.00	0.49	3.950	O					5.56
173.500	0.00	0.50	4.159	O					5.80	178.667	0.00	0.49	3.947	O					5.56
173.583	0.00	0.50	4.156	O					5.80	178.750	0.00	0.49	3.944	O					5.55
173.667	0.00	0.50	4.152	O					5.79	178.833	0.00	0.49	3.940	O					5.55
173.750	0.00	0.50	4.149	O					5.79	178.917	0.00	0.49	3.937	O					5.54
173.833	0.00	0.50	4.146	O					5.78	179.000	0.00	0.49	3.934	O					5.54

179.083	0.00	0.49	3.930	O	|	|	|	|	5.54	184.250	0.00	0.48	3.722	O	|	|	|	|	5.30
179.167	0.00	0.49	3.927	O	|	|	|	|	5.53	184.333	0.00	0.48	3.719	O	|	|	|	|	5.29
179.250	0.00	0.49	3.923	O	|	|	|	|	5.53	184.417	0.00	0.48	3.716	O	|	|	|	|	5.29
179.333	0.00	0.49	3.920	O	|	|	|	|	5.52	184.500	0.00	0.48	3.712	O	|	|	|	|	5.29
179.417	0.00	0.49	3.917	O	|	|	|	|	5.52	184.583	0.00	0.48	3.709	O	|	|	|	|	5.28
179.500	0.00	0.49	3.913	O	|	|	|	|	5.52	184.667	0.00	0.48	3.706	O	|	|	|	|	5.28
179.583	0.00	0.49	3.910	O	|	|	|	|	5.51	184.750	0.00	0.48	3.702	O	|	|	|	|	5.27
179.667	0.00	0.49	3.906	O	|	|	|	|	5.51	184.833	0.00	0.48	3.699	O	|	|	|	|	5.27
179.750	0.00	0.49	3.903	O	|	|	|	|	5.50	184.917	0.00	0.48	3.696	O	|	|	|	|	5.27
179.833	0.00	0.49	3.900	O	|	|	|	|	5.50	185.000	0.00	0.48	3.693	O	|	|	|	|	5.26
179.917	0.00	0.49	3.896	O	|	|	|	|	5.50	185.083	0.00	0.48	3.689	O	|	|	|	|	5.26
180.000	0.00	0.49	3.893	O	|	|	|	|	5.49	185.167	0.00	0.48	3.686	O	|	|	|	|	5.25
180.083	0.00	0.49	3.890	O	|	|	|	|	5.49	185.250	0.00	0.48	3.683	O	|	|	|	|	5.25
180.167	0.00	0.49	3.886	O	|	|	|	|	5.49	185.333	0.00	0.48	3.679	O	|	|	|	|	5.25
180.250	0.00	0.49	3.883	O	|	|	|	|	5.48	185.417	0.00	0.48	3.676	O	|	|	|	|	5.24
180.333	0.00	0.49	3.879	O	|	|	|	|	5.48	185.500	0.00	0.48	3.673	O	|	|	|	|	5.24
180.417	0.00	0.49	3.876	O	|	|	|	|	5.47	185.583	0.00	0.48	3.669	O	|	|	|	|	5.24
180.500	0.00	0.49	3.873	O	|	|	|	|	5.47	185.667	0.00	0.48	3.666	O	|	|	|	|	5.23
180.583	0.00	0.49	3.869	O	|	|	|	|	5.47	185.750	0.00	0.48	3.663	O	|	|	|	|	5.23
180.667	0.00	0.49	3.866	O	|	|	|	|	5.46	185.833	0.00	0.48	3.659	O	|	|	|	|	5.22
180.750	0.00	0.49	3.863	O	|	|	|	|	5.46	185.917	0.00	0.48	3.656	O	|	|	|	|	5.22
180.833	0.00	0.49	3.859	O	|	|	|	|	5.45	186.000	0.00	0.48	3.653	O	|	|	|	|	5.22
180.917	0.00	0.49	3.856	O	|	|	|	|	5.45	186.083	0.00	0.48	3.650	O	|	|	|	|	5.21
181.000	0.00	0.49	3.853	O	|	|	|	|	5.45	186.167	0.00	0.48	3.646	O	|	|	|	|	5.21
181.083	0.00	0.49	3.849	O	|	|	|	|	5.44	186.250	0.00	0.48	3.643	O	|	|	|	|	5.21
181.167	0.00	0.49	3.846	O	|	|	|	|	5.44	186.333	0.00	0.48	3.640	O	|	|	|	|	5.20
181.250	0.00	0.49	3.842	O	|	|	|	|	5.43	186.417	0.00	0.48	3.636	O	|	|	|	|	5.20
181.333	0.00	0.49	3.839	O	|	|	|	|	5.43	186.500	0.00	0.48	3.633	O	|	|	|	|	5.19
181.417	0.00	0.49	3.836	O	|	|	|	|	5.43	186.583	0.00	0.48	3.630	O	|	|	|	|	5.19
181.500	0.00	0.49	3.832	O	|	|	|	|	5.42	186.667	0.00	0.48	3.627	O	|	|	|	|	5.19
181.583	0.00	0.49	3.829	O	|	|	|	|	5.42	186.750	0.00	0.48	3.623	O	|	|	|	|	5.18
181.667	0.00	0.49	3.826	O	|	|	|	|	5.42	186.833	0.00	0.48	3.620	O	|	|	|	|	5.18
181.750	0.00	0.49	3.822	O	|	|	|	|	5.41	186.917	0.00	0.48	3.617	O	|	|	|	|	5.17
181.833	0.00	0.49	3.819	O	|	|	|	|	5.41	187.000	0.00	0.48	3.613	O	|	|	|	|	5.17
181.917	0.00	0.49	3.816	O	|	|	|	|	5.40	187.083	0.00	0.48	3.610	O	|	|	|	|	5.17
182.000	0.00	0.49	3.812	O	|	|	|	|	5.40	187.167	0.00	0.48	3.607	O	|	|	|	|	5.16
182.083	0.00	0.49	3.809	O	|	|	|	|	5.40	187.250	0.00	0.48	3.604	O	|	|	|	|	5.16
182.167	0.00	0.49	3.806	O	|	|	|	|	5.39	187.333	0.00	0.48	3.600	O	|	|	|	|	5.16
182.250	0.00	0.49	3.802	O	|	|	|	|	5.39	187.417	0.00	0.48	3.597	O	|	|	|	|	5.15
182.333	0.00	0.49	3.799	O	|	|	|	|	5.38	187.500	0.00	0.48	3.594	O	|	|	|	|	5.15
182.417	0.00	0.49	3.796	O	|	|	|	|	5.38	187.583	0.00	0.48	3.590	O	|	|	|	|	5.14
182.500	0.00	0.49	3.792	O	|	|	|	|	5.38	187.667	0.00	0.48	3.587	O	|	|	|	|	5.14
182.583	0.00	0.48	3.789	O	|	|	|	|	5.37	187.750	0.00	0.48	3.584	O	|	|	|	|	5.14
182.667	0.00	0.48	3.786	O	|	|	|	|	5.37	187.833	0.00	0.48	3.581	O	|	|	|	|	5.13
182.750	0.00	0.48	3.782	O	|	|	|	|	5.37	187.917	0.00	0.48	3.577	O	|	|	|	|	5.13
182.833	0.00	0.48	3.779	O	|	|	|	|	5.36	188.000	0.00	0.48	3.574	O	|	|	|	|	5.13
182.917	0.00	0.48	3.776	O	|	|	|	|	5.36	188.083	0.00	0.47	3.571	O	|	|	|	|	5.12
183.000	0.00	0.48	3.772	O	|	|	|	|	5.35	188.167	0.00	0.47	3.568	O	|	|	|	|	5.12
183.083	0.00	0.48	3.769	O	|	|	|	|	5.35	188.250	0.00	0.47	3.564	O	|	|	|	|	5.11
183.167	0.00	0.48	3.766	O	|	|	|	|	5.35	188.333	0.00	0.47	3.561	O	|	|	|	|	5.11
183.250	0.00	0.48	3.762	O	|	|	|	|	5.34	188.417	0.00	0.47	3.558	O	|	|	|	|	5.11
183.333	0.00	0.48	3.759	O	|	|	|	|	5.34	188.500	0.00	0.47	3.554	O	|	|	|	|	5.10
183.417	0.00	0.48	3.756	O	|	|	|	|	5.33	188.583	0.00	0.47	3.551	O	|	|	|	|	5.10
183.500	0.00	0.48	3.752	O	|	|	|	|	5.33	188.667	0.00	0.47	3.548	O	|	|	|	|	5.10
183.583	0.00	0.48	3.749	O	|	|	|	|	5.33	188.750	0.00	0.47	3.545	O	|	|	|	|	5.09
183.667	0.00	0.48	3.746	O	|	|	|	|	5.32	188.833	0.00	0.47	3.541	O	|	|	|	|	5.09
183.750	0.00	0.48	3.742	O	|	|	|	|	5.32	188.917	0.00	0.47	3.538	O	|	|	|	|	5.08
183.833	0.00	0.48	3.739	O	|	|	|	|	5.32	189.000	0.00	0.47	3.535	O	|	|	|	|	5.08
183.917	0.00	0.48	3.736	O	|	|	|	|	5.31	189.083	0.00	0.47	3.532	O	|	|	|	|	5.08
184.000	0.00	0.48	3.732	O	|	|	|	|	5.31	189.167	0.00	0.47	3.528	O	|	|	|	|	5.07
184.083	0.00	0.48	3.729	O	|	|	|	|	5.30	189.250	0.00	0.47	3.525	O	|	|	|	|	5.07
184.167	0.00	0.48	3.726	O	|	|	|	|	5.30	189.333	0.00	0.47	3.522	O	|	|	|	|	5.07

189.417	0.00	0.47	3.519	O					5.06	194.583	0.00	0.46	3.319	O					4.82
189.500	0.00	0.47	3.515	O					5.06	194.667	0.00	0.46	3.316	O					4.82
189.583	0.00	0.47	3.512	O					5.05	194.750	0.00	0.46	3.313	O					4.81
189.667	0.00	0.47	3.509	O					5.05	194.833	0.00	0.46	3.310	O					4.81
189.750	0.00	0.47	3.506	O					5.05	194.917	0.00	0.46	3.306	O					4.80
189.833	0.00	0.47	3.502	O					5.04	195.000	0.00	0.46	3.303	O					4.80
189.917	0.00	0.47	3.499	O					5.04	195.083	0.00	0.46	3.300	O					4.80
190.000	0.00	0.47	3.496	O					5.04	195.167	0.00	0.46	3.297	O					4.79
190.083	0.00	0.47	3.493	O					5.03	195.250	0.00	0.46	3.294	O					4.79
190.167	0.00	0.47	3.489	O					5.03	195.333	0.00	0.46	3.291	O					4.78
190.250	0.00	0.47	3.486	O					5.02	195.417	0.00	0.46	3.288	O					4.78
190.333	0.00	0.47	3.483	O					5.02	195.500	0.00	0.46	3.284	O					4.78
190.417	0.00	0.47	3.480	O					5.02	195.583	0.00	0.46	3.281	O					4.77
190.500	0.00	0.47	3.476	O					5.01	195.667	0.00	0.46	3.278	O					4.77
190.583	0.00	0.47	3.473	O					5.01	195.750	0.00	0.46	3.275	O					4.76
190.667	0.00	0.47	3.470	O					5.01	195.833	0.00	0.46	3.272	O					4.76
190.750	0.00	0.47	3.467	O					5.00	195.917	0.00	0.46	3.269	O					4.76
190.833	0.00	0.47	3.463	O					5.00	196.000	0.00	0.46	3.265	O					4.75
190.917	0.00	0.47	3.460	O					4.99	196.083	0.00	0.46	3.262	O					4.75
191.000	0.00	0.47	3.457	O					4.99	196.167	0.00	0.46	3.259	O					4.75
191.083	0.00	0.47	3.454	O					4.99	196.250	0.00	0.46	3.256	O					4.74
191.167	0.00	0.47	3.450	O					4.98	196.333	0.00	0.46	3.253	O					4.74
191.250	0.00	0.47	3.447	O					4.98	196.417	0.00	0.46	3.250	O					4.73
191.333	0.00	0.47	3.444	O					4.97	196.500	0.00	0.46	3.247	O					4.73
191.417	0.00	0.47	3.441	O					4.97	196.583	0.00	0.46	3.243	O					4.73
191.500	0.00	0.47	3.438	O					4.97	196.667	0.00	0.46	3.240	O					4.72
191.583	0.00	0.47	3.434	O					4.96	196.750	0.00	0.46	3.237	O					4.72
191.667	0.00	0.47	3.431	O					4.96	196.833	0.00	0.46	3.234	O					4.71
191.750	0.00	0.47	3.428	O					4.95	196.917	0.00	0.46	3.231	O					4.71
191.833	0.00	0.47	3.425	O					4.95	197.000	0.00	0.46	3.228	O					4.71
191.917	0.00	0.47	3.421	O					4.95	197.083	0.00	0.46	3.225	O					4.70
192.000	0.00	0.47	3.418	O					4.94	197.167	0.00	0.45	3.221	O					4.70
192.083	0.00	0.47	3.415	O					4.94	197.250	0.00	0.45	3.218	O					4.69
192.167	0.00	0.47	3.412	O					4.93	197.333	0.00	0.45	3.215	O					4.69
192.250	0.00	0.47	3.409	O					4.93	197.417	0.00	0.45	3.212	O					4.69
192.333	0.00	0.47	3.405	O					4.93	197.500	0.00	0.45	3.209	O					4.68
192.417	0.00	0.47	3.402	O					4.92	197.583	0.00	0.45	3.206	O					4.68
192.500	0.00	0.47	3.399	O					4.92	197.667	0.00	0.45	3.203	O					4.68
192.583	0.00	0.47	3.396	O					4.91	197.750	0.00	0.45	3.200	O					4.67
192.667	0.00	0.47	3.393	O					4.91	197.833	0.00	0.45	3.196	O					4.67
192.750	0.00	0.47	3.389	O					4.91	197.917	0.00	0.45	3.193	O					4.66
192.833	0.00	0.47	3.386	O					4.90	198.000	0.00	0.45	3.190	O					4.66
192.917	0.00	0.46	3.383	O					4.90	198.083	0.00	0.45	3.187	O					4.66
193.000	0.00	0.46	3.380	O					4.89	198.167	0.00	0.45	3.184	O					4.65
193.083	0.00	0.46	3.377	O					4.89	198.250	0.00	0.45	3.181	O					4.65
193.167	0.00	0.46	3.373	O					4.89	198.333	0.00	0.45	3.178	O					4.64
193.250	0.00	0.46	3.370	O					4.88	198.417	0.00	0.45	3.175	O					4.64
193.333	0.00	0.46	3.367	O					4.88	198.500	0.00	0.45	3.171	O					4.64
193.417	0.00	0.46	3.364	O					4.87	198.583	0.00	0.45	3.168	O					4.63
193.500	0.00	0.46	3.361	O					4.87	198.667	0.00	0.45	3.165	O					4.63
193.583	0.00	0.46	3.357	O					4.87	198.750	0.00	0.45	3.162	O					4.63
193.667	0.00	0.46	3.354	O					4.86	198.833	0.00	0.45	3.159	O					4.62
193.750	0.00	0.46	3.351	O					4.86	198.917	0.00	0.45	3.156	O					4.62
193.833	0.00	0.46	3.348	O					4.85	199.000	0.00	0.45	3.153	O					4.61
193.917	0.00	0.46	3.345	O					4.85	199.083	0.00	0.45	3.150	O					4.61
194.000	0.00	0.46	3.341	O					4.85	199.167	0.00	0.45	3.147	O					4.61
194.083	0.00	0.46	3.338	O					4.84	199.250	0.00	0.45	3.144	O					4.60
194.167	0.00	0.46	3.335	O					4.84	199.333	0.00	0.45	3.140	O					4.60
194.250	0.00	0.46	3.332	O					4.84	199.417	0.00	0.45	3.137	O					4.59
194.333	0.00	0.46	3.329	O					4.83	199.500	0.00	0.45	3.134	O					4.59
194.417	0.00	0.46	3.326	O					4.83	199.583	0.00	0.45	3.131	O					4.59
194.500	0.00	0.46	3.322	O					4.82	199.667	0.00	0.45	3.128	O					4.58

199.750	0.00	0.45	3.125	O	|	|	|	|	4.58	204.917	0.00	0.44	2.936	O	|	|	|	|	4.34
199.833	0.00	0.45	3.122	O	|	|	|	|	4.58	205.000	0.00	0.44	2.933	O	|	|	|	|	4.34
199.917	0.00	0.45	3.119	O	|	|	|	|	4.57	205.083	0.00	0.44	2.930	O	|	|	|	|	4.34
200.000	0.00	0.45	3.116	O	|	|	|	|	4.57	205.167	0.00	0.44	2.927	O	|	|	|	|	4.33
200.083	0.00	0.45	3.113	O	|	|	|	|	4.56	205.250	0.00	0.44	2.924	O	|	|	|	|	4.33
200.167	0.00	0.45	3.109	O	|	|	|	|	4.56	205.333	0.00	0.44	2.921	O	|	|	|	|	4.33
200.250	0.00	0.45	3.106	O	|	|	|	|	4.56	205.417	0.00	0.44	2.918	O	|	|	|	|	4.32
200.333	0.00	0.45	3.103	O	|	|	|	|	4.55	205.500	0.00	0.44	2.915	O	|	|	|	|	4.32
200.417	0.00	0.45	3.100	O	|	|	|	|	4.55	205.583	0.00	0.44	2.912	O	|	|	|	|	4.32
200.500	0.00	0.45	3.097	O	|	|	|	|	4.54	205.667	0.00	0.44	2.909	O	|	|	|	|	4.31
200.583	0.00	0.45	3.094	O	|	|	|	|	4.54	205.750	0.00	0.44	2.906	O	|	|	|	|	4.31
200.667	0.00	0.45	3.091	O	|	|	|	|	4.54	205.833	0.00	0.44	2.903	O	|	|	|	|	4.30
200.750	0.00	0.45	3.088	O	|	|	|	|	4.53	205.917	0.00	0.44	2.900	O	|	|	|	|	4.30
200.833	0.00	0.45	3.085	O	|	|	|	|	4.53	206.000	0.00	0.43	2.897	O	|	|	|	|	4.30
200.917	0.00	0.45	3.082	O	|	|	|	|	4.53	206.083	0.00	0.43	2.894	O	|	|	|	|	4.29
201.000	0.00	0.45	3.079	O	|	|	|	|	4.52	206.167	0.00	0.43	2.891	O	|	|	|	|	4.29
201.083	0.00	0.45	3.076	O	|	|	|	|	4.52	206.250	0.00	0.43	2.888	O	|	|	|	|	4.29
201.167	0.00	0.45	3.073	O	|	|	|	|	4.51	206.333	0.00	0.43	2.885	O	|	|	|	|	4.28
201.250	0.00	0.45	3.069	O	|	|	|	|	4.51	206.417	0.00	0.43	2.882	O	|	|	|	|	4.28
201.333	0.00	0.45	3.066	O	|	|	|	|	4.51	206.500	0.00	0.43	2.879	O	|	|	|	|	4.27
201.417	0.00	0.45	3.063	O	|	|	|	|	4.50	206.583	0.00	0.43	2.876	O	|	|	|	|	4.27
201.500	0.00	0.44	3.060	O	|	|	|	|	4.50	206.667	0.00	0.43	2.873	O	|	|	|	|	4.27
201.583	0.00	0.44	3.057	O	|	|	|	|	4.50	206.750	0.00	0.43	2.870	O	|	|	|	|	4.26
201.667	0.00	0.44	3.054	O	|	|	|	|	4.49	206.833	0.00	0.43	2.867	O	|	|	|	|	4.26
201.750	0.00	0.44	3.051	O	|	|	|	|	4.49	206.917	0.00	0.43	2.864	O	|	|	|	|	4.26
201.833	0.00	0.44	3.048	O	|	|	|	|	4.48	207.000	0.00	0.43	2.861	O	|	|	|	|	4.25
201.917	0.00	0.44	3.045	O	|	|	|	|	4.48	207.083	0.00	0.43	2.858	O	|	|	|	|	4.25
202.000	0.00	0.44	3.042	O	|	|	|	|	4.48	207.167	0.00	0.43	2.855	O	|	|	|	|	4.24
202.083	0.00	0.44	3.039	O	|	|	|	|	4.47	207.250	0.00	0.43	2.852	O	|	|	|	|	4.24
202.167	0.00	0.44	3.036	O	|	|	|	|	4.47	207.333	0.00	0.43	2.849	O	|	|	|	|	4.24
202.250	0.00	0.44	3.033	O	|	|	|	|	4.47	207.417	0.00	0.43	2.846	O	|	|	|	|	4.23
202.333	0.00	0.44	3.030	O	|	|	|	|	4.46	207.500	0.00	0.43	2.843	O	|	|	|	|	4.23
202.417	0.00	0.44	3.027	O	|	|	|	|	4.46	207.583	0.00	0.43	2.840	O	|	|	|	|	4.23
202.500	0.00	0.44	3.024	O	|	|	|	|	4.45	207.667	0.00	0.43	2.837	O	|	|	|	|	4.22
202.583	0.00	0.44	3.021	O	|	|	|	|	4.45	207.750	0.00	0.43	2.834	O	|	|	|	|	4.22
202.667	0.00	0.44	3.018	O	|	|	|	|	4.45	207.833	0.00	0.43	2.831	O	|	|	|	|	4.22
202.750	0.00	0.44	3.014	O	|	|	|	|	4.44	207.917	0.00	0.43	2.828	O	|	|	|	|	4.21
202.833	0.00	0.44	3.011	O	|	|	|	|	4.44	208.000	0.00	0.43	2.825	O	|	|	|	|	4.21
202.917	0.00	0.44	3.008	O	|	|	|	|	4.43	208.083	0.00	0.43	2.822	O	|	|	|	|	4.20
203.000	0.00	0.44	3.005	O	|	|	|	|	4.43	208.167	0.00	0.43	2.819	O	|	|	|	|	4.20
203.083	0.00	0.44	3.002	O	|	|	|	|	4.43	208.250	0.00	0.43	2.816	O	|	|	|	|	4.20
203.167	0.00	0.44	2.999	O	|	|	|	|	4.42	208.333	0.00	0.43	2.813	O	|	|	|	|	4.19
203.250	0.00	0.44	2.996	O	|	|	|	|	4.42	208.417	0.00	0.43	2.810	O	|	|	|	|	4.19
203.333	0.00	0.44	2.993	O	|	|	|	|	4.42	208.500	0.00	0.43	2.807	O	|	|	|	|	4.19
203.417	0.00	0.44	2.990	O	|	|	|	|	4.41	208.583	0.00	0.43	2.804	O	|	|	|	|	4.18
203.500	0.00	0.44	2.987	O	|	|	|	|	4.41	208.667	0.00	0.43	2.802	O	|	|	|	|	4.18
203.583	0.00	0.44	2.984	O	|	|	|	|	4.40	208.750	0.00	0.43	2.799	O	|	|	|	|	4.18
203.667	0.00	0.44	2.981	O	|	|	|	|	4.40	208.833	0.00	0.43	2.796	O	|	|	|	|	4.17
203.750	0.00	0.44	2.978	O	|	|	|	|	4.40	208.917	0.00	0.43	2.793	O	|	|	|	|	4.17
203.833	0.00	0.44	2.975	O	|	|	|	|	4.39	209.000	0.00	0.43	2.790	O	|	|	|	|	4.16
203.917	0.00	0.44	2.972	O	|	|	|	|	4.39	209.083	0.00	0.43	2.787	O	|	|	|	|	4.16
204.000	0.00	0.44	2.969	O	|	|	|	|	4.39	209.167	0.00	0.43	2.784	O	|	|	|	|	4.16
204.083	0.00	0.44	2.966	O	|	|	|	|	4.38	209.250	0.00	0.43	2.781	O	|	|	|	|	4.15
204.167	0.00	0.44	2.963	O	|	|	|	|	4.38	209.333	0.00	0.43	2.778	O	|	|	|	|	4.15
204.250	0.00	0.44	2.960	O	|	|	|	|	4.37	209.417	0.00	0.43	2.775	O	|	|	|	|	4.15
204.333	0.00	0.44	2.957	O	|	|	|	|	4.37	209.500	0.00	0.43	2.772	O	|	|	|	|	4.14
204.417	0.00	0.44	2.954	O	|	|	|	|	4.37	209.583	0.00	0.43	2.769	O	|	|	|	|	4.14
204.500	0.00	0.44	2.951	O	|	|	|	|	4.36	209.667	0.00	0.43	2.766	O	|	|	|	|	4.14
204.583	0.00	0.44	2.948	O	|	|	|	|	4.36	209.750	0.00	0.43	2.763	O	|	|	|	|	4.13
204.667	0.00	0.44	2.945	O	|	|	|	|	4.36	209.833	0.00	0.43	2.760	O	|	|	|	|	4.13
204.750	0.00	0.44	2.942	O	|	|	|	|	4.35	209.917	0.00	0.43	2.757	O	|	|	|	|	4.12
204.833	0.00	0.44	2.939	O	|	|	|	|	4.35	210.000	0.00	0.43	2.754	O	|	|	|	|	4.12

210.083	0.00	0.43	2.751	O	|	|	|	|	4.12	215.250	0.00	0.41	2.572	O	|	|	|	|	3.89
210.167	0.00	0.43	2.749	O	|	|	|	|	4.11	215.333	0.00	0.41	2.569	O	|	|	|	|	3.88
210.250	0.00	0.43	2.746	O	|	|	|	|	4.11	215.417	0.00	0.41	2.566	O	|	|	|	|	3.88
210.333	0.00	0.43	2.743	O	|	|	|	|	4.11	215.500	0.00	0.41	2.564	O	|	|	|	|	3.88
210.417	0.00	0.43	2.740	O	|	|	|	|	4.10	215.583	0.00	0.41	2.561	O	|	|	|	|	3.87
210.500	0.00	0.42	2.737	O	|	|	|	|	4.10	215.667	0.00	0.41	2.558	O	|	|	|	|	3.87
210.583	0.00	0.42	2.734	O	|	|	|	|	4.10	215.750	0.00	0.41	2.555	O	|	|	|	|	3.86
210.667	0.00	0.42	2.731	O	|	|	|	|	4.09	215.833	0.00	0.41	2.552	O	|	|	|	|	3.86
210.750	0.00	0.42	2.728	O	|	|	|	|	4.09	215.917	0.00	0.41	2.549	O	|	|	|	|	3.86
210.833	0.00	0.42	2.725	O	|	|	|	|	4.08	216.000	0.00	0.41	2.547	O	|	|	|	|	3.85
210.917	0.00	0.42	2.722	O	|	|	|	|	4.08	216.083	0.00	0.41	2.544	O	|	|	|	|	3.85
211.000	0.00	0.42	2.719	O	|	|	|	|	4.08	216.167	0.00	0.41	2.541	O	|	|	|	|	3.85
211.083	0.00	0.42	2.716	O	|	|	|	|	4.07	216.250	0.00	0.41	2.538	O	|	|	|	|	3.84
211.167	0.00	0.42	2.713	O	|	|	|	|	4.07	216.333	0.00	0.41	2.535	O	|	|	|	|	3.84
211.250	0.00	0.42	2.711	O	|	|	|	|	4.07	216.417	0.00	0.41	2.532	O	|	|	|	|	3.83
211.333	0.00	0.42	2.708	O	|	|	|	|	4.06	216.500	0.00	0.41	2.530	O	|	|	|	|	3.83
211.417	0.00	0.42	2.705	O	|	|	|	|	4.06	216.583	0.00	0.41	2.527	O	|	|	|	|	3.83
211.500	0.00	0.42	2.702	O	|	|	|	|	4.06	216.667	0.00	0.41	2.524	O	|	|	|	|	3.82
211.583	0.00	0.42	2.699	O	|	|	|	|	4.05	216.750	0.00	0.41	2.521	O	|	|	|	|	3.82
211.667	0.00	0.42	2.696	O	|	|	|	|	4.05	216.833	0.00	0.41	2.518	O	|	|	|	|	3.81
211.750	0.00	0.42	2.693	O	|	|	|	|	4.04	216.917	0.00	0.41	2.516	O	|	|	|	|	3.81
211.833	0.00	0.42	2.690	O	|	|	|	|	4.04	217.000	0.00	0.41	2.513	O	|	|	|	|	3.81
211.917	0.00	0.42	2.687	O	|	|	|	|	4.04	217.083	0.00	0.41	2.510	O	|	|	|	|	3.80
212.000	0.00	0.42	2.684	O	|	|	|	|	4.03	217.167	0.00	0.41	2.507	O	|	|	|	|	3.80
212.083	0.00	0.42	2.681	O	|	|	|	|	4.03	217.250	0.00	0.41	2.504	O	|	|	|	|	3.80
212.167	0.00	0.42	2.679	O	|	|	|	|	4.03	217.333	0.00	0.41	2.502	O	|	|	|	|	3.79
212.250	0.00	0.42	2.676	O	|	|	|	|	4.02	217.417	0.00	0.41	2.499	O	|	|	|	|	3.79
212.333	0.00	0.42	2.673	O	|	|	|	|	4.02	217.500	0.00	0.41	2.496	O	|	|	|	|	3.78
212.417	0.00	0.42	2.670	O	|	|	|	|	4.02	217.583	0.00	0.41	2.493	O	|	|	|	|	3.78
212.500	0.00	0.42	2.667	O	|	|	|	|	4.01	217.667	0.00	0.41	2.490	O	|	|	|	|	3.78
212.583	0.00	0.42	2.664	O	|	|	|	|	4.01	217.750	0.00	0.41	2.488	O	|	|	|	|	3.77
212.667	0.00	0.42	2.661	O	|	|	|	|	4.01	217.833	0.00	0.41	2.485	O	|	|	|	|	3.77
212.750	0.00	0.42	2.658	O	|	|	|	|	4.00	217.917	0.00	0.41	2.482	O	|	|	|	|	3.77
212.833	0.00	0.42	2.655	O	|	|	|	|	4.00	218.000	0.00	0.41	2.479	O	|	|	|	|	3.76
212.917	0.00	0.42	2.652	O	|	|	|	|	3.99	218.083	0.00	0.41	2.476	O	|	|	|	|	3.76
213.000	0.00	0.42	2.650	O	|	|	|	|	3.99	218.167	0.00	0.41	2.474	O	|	|	|	|	3.76
213.083	0.00	0.42	2.647	O	|	|	|	|	3.99	218.250	0.00	0.41	2.471	O	|	|	|	|	3.75
213.167	0.00	0.42	2.644	O	|	|	|	|	3.98	218.333	0.00	0.40	2.468	O	|	|	|	|	3.75
213.250	0.00	0.42	2.641	O	|	|	|	|	3.98	218.417	0.00	0.40	2.465	O	|	|	|	|	3.74
213.333	0.00	0.42	2.638	O	|	|	|	|	3.97	218.500	0.00	0.40	2.462	O	|	|	|	|	3.74
213.417	0.00	0.42	2.635	O	|	|	|	|	3.97	218.583	0.00	0.40	2.460	O	|	|	|	|	3.74
213.500	0.00	0.42	2.632	O	|	|	|	|	3.97	218.667	0.00	0.40	2.457	O	|	|	|	|	3.73
213.583	0.00	0.42	2.629	O	|	|	|	|	3.96	218.750	0.00	0.40	2.454	O	|	|	|	|	3.73
213.667	0.00	0.42	2.627	O	|	|	|	|	3.96	218.833	0.00	0.40	2.451	O	|	|	|	|	3.73
213.750	0.00	0.42	2.624	O	|	|	|	|	3.96	218.917	0.00	0.40	2.448	O	|	|	|	|	3.72
213.833	0.00	0.42	2.621	O	|	|	|	|	3.95	219.000	0.00	0.40	2.446	O	|	|	|	|	3.72
213.917	0.00	0.42	2.618	O	|	|	|	|	3.95	219.083	0.00	0.40	2.443	O	|	|	|	|	3.71
214.000	0.00	0.42	2.615	O	|	|	|	|	3.94	219.167	0.00	0.40	2.440	O	|	|	|	|	3.71
214.083	0.00	0.42	2.612	O	|	|	|	|	3.94	219.250	0.00	0.40	2.437	O	|	|	|	|	3.71
214.167	0.00	0.42	2.609	O	|	|	|	|	3.94	219.333	0.00	0.40	2.435	O	|	|	|	|	3.70
214.250	0.00	0.42	2.606	O	|	|	|	|	3.93	219.417	0.00	0.40	2.432	O	|	|	|	|	3.70
214.333	0.00	0.42	2.604	O	|	|	|	|	3.93	219.500	0.00	0.40	2.429	O	|	|	|	|	3.70
214.417	0.00	0.42	2.601	O	|	|	|	|	3.92	219.583	0.00	0.40	2.426	O	|	|	|	|	3.69
214.500	0.00	0.42	2.598	O	|	|	|	|	3.92	219.667	0.00	0.40	2.424	O	|	|	|	|	3.69
214.583	0.00	0.42	2.595	O	|	|	|	|	3.92	219.750	0.00	0.40	2.421	O	|	|	|	|	3.68
214.667	0.00	0.41	2.592	O	|	|	|	|	3.91	219.833	0.00	0.40	2.418	O	|	|	|	|	3.68
214.750	0.00	0.41	2.589	O	|	|	|	|	3.91	219.917	0.00	0.40	2.415	O	|	|	|	|	3.68
214.833	0.00	0.41	2.586	O	|	|	|	|	3.91	220.000	0.00	0.40	2.412	O	|	|	|	|	3.67
214.917	0.00	0.41	2.584	O	|	|	|	|	3.90	220.083	0.00	0.40	2.410	O	|	|	|	|	3.67
215.000	0.00	0.41	2.581	O	|	|	|	|	3.90	220.167	0.00	0.40	2.407	O	|	|	|	|	3.67
215.083	0.00	0.41	2.578	O	|	|	|	|	3.89	220.250	0.00	0.40	2.404	O	|	|	|	|	3.66
215.167	0.00	0.41	2.575	O	|	|	|	|	3.89	220.333	0.00	0.40	2.401	O	|	|	|	|	3.66

220.417	0.00	0.40	2.399	O	|	|	|	|	3.66	225.583	0.00	0.39	2.231	O	|	|	|	|	3.43
220.500	0.00	0.40	2.396	O	|	|	|	|	3.65	225.667	0.00	0.39	2.228	O	|	|	|	|	3.43
220.583	0.00	0.40	2.393	O	|	|	|	|	3.65	225.750	0.00	0.39	2.226	O	|	|	|	|	3.42
220.667	0.00	0.40	2.390	O	|	|	|	|	3.64	225.833	0.00	0.39	2.223	O	|	|	|	|	3.42
220.750	0.00	0.40	2.388	O	|	|	|	|	3.64	225.917	0.00	0.39	2.220	O	|	|	|	|	3.42
220.833	0.00	0.40	2.385	O	|	|	|	|	3.64	226.000	0.00	0.38	2.218	O	|	|	|	|	3.41
220.917	0.00	0.40	2.382	O	|	|	|	|	3.63	226.083	0.00	0.38	2.215	O	|	|	|	|	3.41
221.000	0.00	0.40	2.380	O	|	|	|	|	3.63	226.167	0.00	0.38	2.213	O	|	|	|	|	3.41
221.083	0.00	0.40	2.377	O	|	|	|	|	3.63	226.250	0.00	0.38	2.210	O	|	|	|	|	3.40
221.167	0.00	0.40	2.374	O	|	|	|	|	3.62	226.333	0.00	0.38	2.207	O	|	|	|	|	3.40
221.250	0.00	0.40	2.371	O	|	|	|	|	3.62	226.417	0.00	0.38	2.205	O	|	|	|	|	3.40
221.333	0.00	0.40	2.369	O	|	|	|	|	3.61	226.500	0.00	0.38	2.202	O	|	|	|	|	3.39
221.417	0.00	0.40	2.366	O	|	|	|	|	3.61	226.583	0.00	0.38	2.199	O	|	|	|	|	3.39
221.500	0.00	0.40	2.363	O	|	|	|	|	3.61	226.667	0.00	0.38	2.197	O	|	|	|	|	3.39
221.583	0.00	0.40	2.360	O	|	|	|	|	3.60	226.750	0.00	0.38	2.194	O	|	|	|	|	3.38
221.667	0.00	0.40	2.358	O	|	|	|	|	3.60	226.833	0.00	0.38	2.191	O	|	|	|	|	3.38
221.750	0.00	0.40	2.355	O	|	|	|	|	3.60	226.917	0.00	0.38	2.189	O	|	|	|	|	3.37
221.833	0.00	0.40	2.352	O	|	|	|	|	3.59	227.000	0.00	0.38	2.186	O	|	|	|	|	3.37
221.917	0.00	0.40	2.349	O	|	|	|	|	3.59	227.083	0.00	0.38	2.184	O	|	|	|	|	3.37
222.000	0.00	0.40	2.347	O	|	|	|	|	3.59	227.167	0.00	0.38	2.181	O	|	|	|	|	3.36
222.083	0.00	0.39	2.344	O	|	|	|	|	3.58	227.250	0.00	0.38	2.178	O	|	|	|	|	3.36
222.167	0.00	0.39	2.341	O	|	|	|	|	3.58	227.333	0.00	0.38	2.176	O	|	|	|	|	3.36
222.250	0.00	0.39	2.339	O	|	|	|	|	3.57	227.417	0.00	0.38	2.173	O	|	|	|	|	3.35
222.333	0.00	0.39	2.336	O	|	|	|	|	3.57	227.500	0.00	0.38	2.170	O	|	|	|	|	3.35
222.417	0.00	0.39	2.333	O	|	|	|	|	3.57	227.583	0.00	0.38	2.168	O	|	|	|	|	3.35
222.500	0.00	0.39	2.330	O	|	|	|	|	3.56	227.667	0.00	0.38	2.165	O	|	|	|	|	3.34
222.583	0.00	0.39	2.328	O	|	|	|	|	3.56	227.750	0.00	0.38	2.163	O	|	|	|	|	3.34
222.667	0.00	0.39	2.325	O	|	|	|	|	3.56	227.833	0.00	0.38	2.160	O	|	|	|	|	3.34
222.750	0.00	0.39	2.322	O	|	|	|	|	3.55	227.917	0.00	0.38	2.157	O	|	|	|	|	3.33
222.833	0.00	0.39	2.320	O	|	|	|	|	3.55	228.000	0.00	0.38	2.155	O	|	|	|	|	3.33
222.917	0.00	0.39	2.317	O	|	|	|	|	3.55	228.083	0.00	0.38	2.152	O	|	|	|	|	3.33
223.000	0.00	0.39	2.314	O	|	|	|	|	3.54	228.167	0.00	0.38	2.149	O	|	|	|	|	3.32
223.083	0.00	0.39	2.311	O	|	|	|	|	3.54	228.250	0.00	0.38	2.147	O	|	|	|	|	3.32
223.167	0.00	0.39	2.309	O	|	|	|	|	3.54	228.333	0.00	0.38	2.144	O	|	|	|	|	3.32
223.250	0.00	0.39	2.306	O	|	|	|	|	3.53	228.417	0.00	0.38	2.142	O	|	|	|	|	3.31
223.333	0.00	0.39	2.303	O	|	|	|	|	3.53	228.500	0.00	0.38	2.139	O	|	|	|	|	3.31
223.417	0.00	0.39	2.301	O	|	|	|	|	3.52	228.583	0.00	0.38	2.136	O	|	|	|	|	3.30
223.500	0.00	0.39	2.298	O	|	|	|	|	3.52	228.667	0.00	0.38	2.134	O	|	|	|	|	3.30
223.583	0.00	0.39	2.295	O	|	|	|	|	3.52	228.750	0.00	0.38	2.131	O	|	|	|	|	3.30
223.667	0.00	0.39	2.293	O	|	|	|	|	3.51	228.833	0.00	0.38	2.129	O	|	|	|	|	3.29
223.750	0.00	0.39	2.290	O	|	|	|	|	3.51	228.917	0.00	0.38	2.126	O	|	|	|	|	3.29
223.833	0.00	0.39	2.287	O	|	|	|	|	3.51	229.000	0.00	0.38	2.123	O	|	|	|	|	3.29
223.917	0.00	0.39	2.285	O	|	|	|	|	3.50	229.083	0.00	0.38	2.121	O	|	|	|	|	3.28
224.000	0.00	0.39	2.282	O	|	|	|	|	3.50	229.167	0.00	0.38	2.118	O	|	|	|	|	3.28
224.083	0.00	0.39	2.279	O	|	|	|	|	3.50	229.250	0.00	0.38	2.116	O	|	|	|	|	3.28
224.167	0.00	0.39	2.276	O	|	|	|	|	3.49	229.333	0.00	0.38	2.113	O	|	|	|	|	3.27
224.250	0.00	0.39	2.274	O	|	|	|	|	3.49	229.417	0.00	0.38	2.110	O	|	|	|	|	3.27
224.333	0.00	0.39	2.271	O	|	|	|	|	3.48	229.500	0.00	0.38	2.108	O	|	|	|	|	3.27
224.417	0.00	0.39	2.268	O	|	|	|	|	3.48	229.583	0.00	0.38	2.105	O	|	|	|	|	3.26
224.500	0.00	0.39	2.266	O	|	|	|	|	3.48	229.667	0.00	0.38	2.103	O	|	|	|	|	3.26
224.583	0.00	0.39	2.263	O	|	|	|	|	3.47	229.750	0.00	0.38	2.100	O	|	|	|	|	3.26
224.667	0.00	0.39	2.260	O	|	|	|	|	3.47	229.833	0.00	0.38	2.097	O	|	|	|	|	3.25
224.750	0.00	0.39	2.258	O	|	|	|	|	3.47	229.917	0.00	0.37	2.095	O	|	|	|	|	3.25
224.833	0.00	0.39	2.255	O	|	|	|	|	3.46	230.000	0.00	0.37	2.092	O	|	|	|	|	3.25
224.917	0.00	0.39	2.252	O	|	|	|	|	3.46	230.083	0.00	0.37	2.090	O	|	|	|	|	3.24
225.000	0.00	0.39	2.250	O	|	|	|	|	3.46	230.167	0.00	0.37	2.087	O	|	|	|	|	3.24
225.083	0.00	0.39	2.247	O	|	|	|	|	3.45	230.250	0.00	0.37	2.085	O	|	|	|	|	3.24
225.167	0.00	0.39	2.244	O	|	|	|	|	3.45	230.333	0.00	0.37	2.082	O	|	|	|	|	3.23
225.250	0.00	0.39	2.242	O	|	|	|	|	3.45	230.417	0.00	0.37	2.079	O	|	|	|	|	3.23
225.333	0.00	0.39	2.239	O	|	|	|	|	3.44	230.500	0.00	0.37	2.077	O	|	|	|	|	3.23
225.417	0.00	0.39	2.236	O	|	|	|	|	3.44	230.583	0.00	0.37	2.074	O	|	|	|	|	3.22
225.500	0.00	0.39	2.234	O	|	|	|	|	3.43	230.667	0.00	0.37	2.072	O	|	|	|	|	3.22

230.750	0.00	0.37	2.069	O	|	|	|	|	3.22	235.917	0.00	0.36	1.913	O	|	|	|	|	3.01
230.833	0.00	0.37	2.067	O	|	|	|	|	3.21	236.000	0.00	0.36	1.910	O	|	|	|	|	3.00
230.917	0.00	0.37	2.064	O	|	|	|	|	3.21	236.083	0.00	0.36	1.908	O	|	|	|	|	3.00
231.000	0.00	0.37	2.061	O	|	|	|	|	3.20	236.167	0.00	0.36	1.905	O	|	|	|	|	3.00
231.083	0.00	0.37	2.059	O	|	|	|	|	3.20	236.250	0.00	0.36	1.903	O	|	|	|	|	2.99
231.167	0.00	0.37	2.056	O	|	|	|	|	3.20	236.333	0.00	0.36	1.900	O	|	|	|	|	2.99
231.250	0.00	0.37	2.054	O	|	|	|	|	3.19	236.417	0.00	0.36	1.898	O	|	|	|	|	2.99
231.333	0.00	0.37	2.051	O	|	|	|	|	3.19	236.500	0.00	0.36	1.895	O	|	|	|	|	2.98
231.417	0.00	0.37	2.049	O	|	|	|	|	3.19	236.583	0.00	0.36	1.893	O	|	|	|	|	2.98
231.500	0.00	0.37	2.046	O	|	|	|	|	3.18	236.667	0.00	0.36	1.890	O	|	|	|	|	2.97
231.583	0.00	0.37	2.044	O	|	|	|	|	3.18	236.750	0.00	0.36	1.888	O	|	|	|	|	2.97
231.667	0.00	0.37	2.041	O	|	|	|	|	3.18	236.833	0.00	0.36	1.885	O	|	|	|	|	2.97
231.750	0.00	0.37	2.038	O	|	|	|	|	3.17	236.917	0.00	0.36	1.883	O	|	|	|	|	2.96
231.833	0.00	0.37	2.036	O	|	|	|	|	3.17	237.000	0.00	0.36	1.880	O	|	|	|	|	2.96
231.917	0.00	0.37	2.033	O	|	|	|	|	3.17	237.083	0.00	0.36	1.878	O	|	|	|	|	2.96
232.000	0.00	0.37	2.031	O	|	|	|	|	3.16	237.167	0.00	0.36	1.876	O	|	|	|	|	2.95
232.083	0.00	0.37	2.028	O	|	|	|	|	3.16	237.250	0.00	0.36	1.873	O	|	|	|	|	2.95
232.167	0.00	0.37	2.026	O	|	|	|	|	3.16	237.333	0.00	0.36	1.871	O	|	|	|	|	2.95
232.250	0.00	0.37	2.023	O	|	|	|	|	3.15	237.417	0.00	0.36	1.868	O	|	|	|	|	2.94
232.333	0.00	0.37	2.021	O	|	|	|	|	3.15	237.500	0.00	0.36	1.866	O	|	|	|	|	2.94
232.417	0.00	0.37	2.018	O	|	|	|	|	3.15	237.583	0.00	0.36	1.863	O	|	|	|	|	2.94
232.500	0.00	0.37	2.015	O	|	|	|	|	3.14	237.667	0.00	0.36	1.861	O	|	|	|	|	2.93
232.583	0.00	0.37	2.013	O	|	|	|	|	3.14	237.750	0.00	0.35	1.858	O	|	|	|	|	2.93
232.667	0.00	0.37	2.010	O	|	|	|	|	3.14	237.833	0.00	0.35	1.856	O	|	|	|	|	2.92
232.750	0.00	0.37	2.008	O	|	|	|	|	3.13	237.917	0.00	0.35	1.853	O	|	|	|	|	2.92
232.833	0.00	0.37	2.005	O	|	|	|	|	3.13	238.000	0.00	0.35	1.851	O	|	|	|	|	2.92
232.917	0.00	0.37	2.003	O	|	|	|	|	3.13	238.083	0.00	0.35	1.849	O	|	|	|	|	2.91
233.000	0.00	0.37	2.000	O	|	|	|	|	3.12	238.167	0.00	0.35	1.846	O	|	|	|	|	2.91
233.083	0.00	0.37	1.998	O	|	|	|	|	3.12	238.250	0.00	0.35	1.844	O	|	|	|	|	2.91
233.167	0.00	0.37	1.995	O	|	|	|	|	3.12	238.333	0.00	0.35	1.841	O	|	|	|	|	2.90
233.250	0.00	0.37	1.993	O	|	|	|	|	3.11	238.417	0.00	0.35	1.839	O	|	|	|	|	2.90
233.333	0.00	0.37	1.990	O	|	|	|	|	3.11	238.500	0.00	0.35	1.836	O	|	|	|	|	2.90
233.417	0.00	0.37	1.988	O	|	|	|	|	3.11	238.583	0.00	0.35	1.834	O	|	|	|	|	2.89
233.500	0.00	0.37	1.985	O	|	|	|	|	3.10	238.667	0.00	0.35	1.832	O	|	|	|	|	2.89
233.583	0.00	0.37	1.983	O	|	|	|	|	3.10	238.750	0.00	0.35	1.829	O	|	|	|	|	2.89
233.667	0.00	0.37	1.980	O	|	|	|	|	3.10	238.833	0.00	0.35	1.827	O	|	|	|	|	2.88
233.750	0.00	0.37	1.978	O	|	|	|	|	3.09	238.917	0.00	0.35	1.824	O	|	|	|	|	2.88
233.833	0.00	0.37	1.975	O	|	|	|	|	3.09	239.000	0.00	0.35	1.822	O	|	|	|	|	2.88
233.917	0.00	0.37	1.973	O	|	|	|	|	3.09	239.083	0.00	0.35	1.819	O	|	|	|	|	2.87
234.000	0.00	0.36	1.970	O	|	|	|	|	3.08	239.167	0.00	0.35	1.817	O	|	|	|	|	2.87
234.083	0.00	0.36	1.968	O	|	|	|	|	3.08	239.250	0.00	0.35	1.815	O	|	|	|	|	2.86
234.167	0.00	0.36	1.965	O	|	|	|	|	3.08	239.333	0.00	0.35	1.812	O	|	|	|	|	2.86
234.250	0.00	0.36	1.962	O	|	|	|	|	3.07	239.417	0.00	0.35	1.810	O	|	|	|	|	2.86
234.333	0.00	0.36	1.960	O	|	|	|	|	3.07	239.500	0.00	0.35	1.807	O	|	|	|	|	2.85
234.417	0.00	0.36	1.957	O	|	|	|	|	3.07	239.583	0.00	0.35	1.805	O	|	|	|	|	2.85
234.500	0.00	0.36	1.955	O	|	|	|	|	3.06	239.667	0.00	0.35	1.803	O	|	|	|	|	2.85
234.583	0.00	0.36	1.952	O	|	|	|	|	3.06	239.750	0.00	0.35	1.800	O	|	|	|	|	2.84
234.667	0.00	0.36	1.950	O	|	|	|	|	3.06	239.833	0.00	0.35	1.798	O	|	|	|	|	2.84
234.750	0.00	0.36	1.947	O	|	|	|	|	3.05	239.917	0.00	0.35	1.795	O	|	|	|	|	2.84
234.833	0.00	0.36	1.945	O	|	|	|	|	3.05	240.000	0.00	0.35	1.793	O	|	|	|	|	2.83
234.917	0.00	0.36	1.942	O	|	|	|	|	3.05	240.083	0.00	0.35	1.791	O	|	|	|	|	2.83
235.000	0.00	0.36	1.940	O	|	|	|	|	3.04	240.167	0.00	0.35	1.788	O	|	|	|	|	2.83
235.083	0.00	0.36	1.937	O	|	|	|	|	3.04	240.250	0.00	0.35	1.786	O	|	|	|	|	2.82
235.167	0.00	0.36	1.935	O	|	|	|	|	3.04	240.333	0.00	0.35	1.783	O	|	|	|	|	2.82
235.250	0.00	0.36	1.932	O	|	|	|	|	3.03	240.417	0.00	0.35	1.781	O	|	|	|	|	2.82
235.333	0.00	0.36	1.930	O	|	|	|	|	3.03	240.500	0.00	0.35	1.779	O	|	|	|	|	2.81
235.417	0.00	0.36	1.927	O	|	|	|	|	3.03	240.583	0.00	0.35	1.776	O	|	|	|	|	2.81
235.500	0.00	0.36	1.925	O	|	|	|	|	3.02	240.667	0.00	0.35	1.774	O	|	|	|	|	2.81
235.583	0.00	0.36	1.923	O	|	|	|	|	3.02	240.750	0.00	0.35	1.771	O	|	|	|	|	2.80
235.667	0.00	0.36	1.920	O	|	|	|	|	3.02	240.833	0.00	0.35	1.769	O	|	|	|	|	2.80
235.750	0.00	0.36	1.918	O	|	|	|	|	3.01	240.917	0.00	0.35	1.767	O	|	|	|	|	2.80
235.833	0.00	0.36	1.915	O	|	|	|	|	3.01	241.000	0.00	0.35	1.764	O	|	|	|	|	2.79

241.083	0.00	0.35	1.762	O	|	|	|	|	2.79	246.250	0.00	0.33	1.618	O	|	|	|	|	2.58
241.167	0.00	0.34	1.760	O	|	|	|	|	2.79	246.333	0.00	0.33	1.615	O	|	|	|	|	2.58
241.250	0.00	0.34	1.757	O	|	|	|	|	2.78	246.417	0.00	0.33	1.613	O	|	|	|	|	2.57
241.333	0.00	0.34	1.755	O	|	|	|	|	2.78	246.500	0.00	0.33	1.611	O	|	|	|	|	2.57
241.417	0.00	0.34	1.752	O	|	|	|	|	2.77	246.583	0.00	0.33	1.609	O	|	|	|	|	2.57
241.500	0.00	0.34	1.750	O	|	|	|	|	2.77	246.667	0.00	0.33	1.606	O	|	|	|	|	2.56
241.583	0.00	0.34	1.748	O	|	|	|	|	2.77	246.750	0.00	0.33	1.604	O	|	|	|	|	2.56
241.667	0.00	0.34	1.745	O	|	|	|	|	2.76	246.833	0.00	0.33	1.602	O	|	|	|	|	2.56
241.750	0.00	0.34	1.743	O	|	|	|	|	2.76	246.917	0.00	0.33	1.600	O	|	|	|	|	2.55
241.833	0.00	0.34	1.741	O	|	|	|	|	2.76	247.000	0.00	0.33	1.597	O	|	|	|	|	2.55
241.917	0.00	0.34	1.738	O	|	|	|	|	2.75	247.083	0.00	0.33	1.595	O	|	|	|	|	2.55
242.000	0.00	0.34	1.736	O	|	|	|	|	2.75	247.167	0.00	0.33	1.593	O	|	|	|	|	2.54
242.083	0.00	0.34	1.734	O	|	|	|	|	2.75	247.250	0.00	0.33	1.590	O	|	|	|	|	2.54
242.167	0.00	0.34	1.731	O	|	|	|	|	2.74	247.333	0.00	0.33	1.588	O	|	|	|	|	2.54
242.250	0.00	0.34	1.729	O	|	|	|	|	2.74	247.417	0.00	0.33	1.586	O	|	|	|	|	2.53
242.333	0.00	0.34	1.726	O	|	|	|	|	2.74	247.500	0.00	0.33	1.584	O	|	|	|	|	2.53
242.417	0.00	0.34	1.724	O	|	|	|	|	2.73	247.583	0.00	0.33	1.581	O	|	|	|	|	2.53
242.500	0.00	0.34	1.722	O	|	|	|	|	2.73	247.667	0.00	0.33	1.579	O	|	|	|	|	2.52
242.583	0.00	0.34	1.719	O	|	|	|	|	2.73	247.750	0.00	0.33	1.577	O	|	|	|	|	2.52
242.667	0.00	0.34	1.717	O	|	|	|	|	2.72	247.833	0.00	0.33	1.575	O	|	|	|	|	2.52
242.750	0.00	0.34	1.715	O	|	|	|	|	2.72	247.917	0.00	0.33	1.572	O	|	|	|	|	2.51
242.833	0.00	0.34	1.712	O	|	|	|	|	2.72	248.000	0.00	0.33	1.570	O	|	|	|	|	2.51
242.917	0.00	0.34	1.710	O	|	|	|	|	2.71	248.083	0.00	0.33	1.568	O	|	|	|	|	2.51
243.000	0.00	0.34	1.708	O	|	|	|	|	2.71	248.167	0.00	0.33	1.566	O	|	|	|	|	2.50
243.083	0.00	0.34	1.705	O	|	|	|	|	2.71	248.250	0.00	0.33	1.563	O	|	|	|	|	2.50
243.167	0.00	0.34	1.703	O	|	|	|	|	2.70	248.333	0.00	0.32	1.561	O	|	|	|	|	2.50
243.250	0.00	0.34	1.701	O	|	|	|	|	2.70	248.417	0.00	0.32	1.559	O	|	|	|	|	2.49
243.333	0.00	0.34	1.698	O	|	|	|	|	2.70	248.500	0.00	0.32	1.557	O	|	|	|	|	2.49
243.417	0.00	0.34	1.696	O	|	|	|	|	2.69	248.583	0.00	0.32	1.555	O	|	|	|	|	2.49
243.500	0.00	0.34	1.694	O	|	|	|	|	2.69	248.667	0.00	0.32	1.552	O	|	|	|	|	2.49
243.583	0.00	0.34	1.691	O	|	|	|	|	2.69	248.750	0.00	0.32	1.550	O	|	|	|	|	2.48
243.667	0.00	0.34	1.689	O	|	|	|	|	2.68	248.833	0.00	0.32	1.548	O	|	|	|	|	2.48
243.750	0.00	0.34	1.687	O	|	|	|	|	2.68	248.917	0.00	0.32	1.546	O	|	|	|	|	2.48
243.833	0.00	0.34	1.684	O	|	|	|	|	2.68	249.000	0.00	0.32	1.543	O	|	|	|	|	2.47
243.917	0.00	0.34	1.682	O	|	|	|	|	2.67	249.083	0.00	0.32	1.541	O	|	|	|	|	2.47
244.000	0.00	0.34	1.680	O	|	|	|	|	2.67	249.167	0.00	0.32	1.539	O	|	|	|	|	2.47
244.083	0.00	0.34	1.677	O	|	|	|	|	2.67	249.250	0.00	0.32	1.537	O	|	|	|	|	2.46
244.167	0.00	0.34	1.675	O	|	|	|	|	2.66	249.333	0.00	0.32	1.535	O	|	|	|	|	2.46
244.250	0.00	0.34	1.673	O	|	|	|	|	2.66	249.417	0.00	0.32	1.532	O	|	|	|	|	2.46
244.333	0.00	0.34	1.670	O	|	|	|	|	2.66	249.500	0.00	0.32	1.530	O	|	|	|	|	2.45
244.417	0.00	0.34	1.668	O	|	|	|	|	2.65	249.583	0.00	0.32	1.528	O	|	|	|	|	2.45
244.500	0.00	0.34	1.666	O	|	|	|	|	2.65	249.667	0.00	0.32	1.526	O	|	|	|	|	2.45
244.583	0.00	0.34	1.664	O	|	|	|	|	2.65	249.750	0.00	0.32	1.523	O	|	|	|	|	2.44
244.667	0.00	0.34	1.661	O	|	|	|	|	2.64	249.833	0.00	0.32	1.521	O	|	|	|	|	2.44
244.750	0.00	0.33	1.659	O	|	|	|	|	2.64	249.917	0.00	0.32	1.519	O	|	|	|	|	2.44
244.833	0.00	0.33	1.657	O	|	|	|	|	2.64	250.000	0.00	0.32	1.517	O	|	|	|	|	2.43
244.917	0.00	0.33	1.654	O	|	|	|	|	2.63	250.083	0.00	0.32	1.515	O	|	|	|	|	2.43
245.000	0.00	0.33	1.652	O	|	|	|	|	2.63	250.167	0.00	0.32	1.512	O	|	|	|	|	2.43
245.083	0.00	0.33	1.650	O	|	|	|	|	2.63	250.250	0.00	0.32	1.510	O	|	|	|	|	2.42
245.167	0.00	0.33	1.647	O	|	|	|	|	2.62	250.333	0.00	0.32	1.508	O	|	|	|	|	2.42
245.250	0.00	0.33	1.645	O	|	|	|	|	2.62	250.417	0.00	0.32	1.506	O	|	|	|	|	2.42
245.333	0.00	0.33	1.643	O	|	|	|	|	2.62	250.500	0.00	0.32	1.504	O	|	|	|	|	2.41
245.417	0.00	0.33	1.641	O	|	|	|	|	2.61	250.583	0.00	0.32	1.501	O	|	|	|	|	2.41
245.500	0.00	0.33	1.638	O	|	|	|	|	2.61	250.667	0.00	0.32	1.499	O	|	|	|	|	2.41
245.583	0.00	0.33	1.636	O	|	|	|	|	2.61	250.750	0.00	0.32	1.497	O	|	|	|	|	2.41
245.667	0.00	0.33	1.634	O	|	|	|	|	2.60	250.833	0.00	0.32	1.495	O	|	|	|	|	2.40
245.750	0.00	0.33	1.631	O	|	|	|	|	2.60	250.917	0.00	0.32	1.493	O	|	|	|	|	2.40
245.833	0.00	0.33	1.629	O	|	|	|	|	2.60	251.000	0.00	0.32	1.490	O	|	|	|	|	2.40
245.917	0.00	0.33	1.627	O	|	|	|	|	2.59	251.083	0.00	0.32	1.488	O	|	|	|	|	2.39
246.000	0.00	0.33	1.625	O	|	|	|	|	2.59	251.167	0.00	0.32	1.486	O	|	|	|	|	2.39
246.083	0.00	0.33	1.622	O	|	|	|	|	2.59	251.250	0.00	0.32	1.484	O	|	|	|	|	2.39
246.167	0.00	0.33	1.620	O	|	|	|	|	2.58	251.333	0.00	0.32	1.482	O	|	|	|	|	2.38

251.417	0.00	0.32	1.480	O					2.38	256.583	0.00	0.30	1.347	O					2.19
251.500	0.00	0.32	1.477	O					2.38	256.667	0.00	0.30	1.345	O					2.19
251.583	0.00	0.32	1.475	O					2.37	256.750	0.00	0.30	1.343	O					2.18
251.667	0.00	0.32	1.473	O					2.37	256.833	0.00	0.30	1.341	O					2.18
251.750	0.00	0.32	1.471	O					2.37	256.917	0.00	0.30	1.339	O					2.18
251.833	0.00	0.32	1.469	O					2.36	257.000	0.00	0.30	1.337	O					2.17
251.917	0.00	0.32	1.466	O					2.36	257.083	0.00	0.30	1.335	O					2.17
252.000	0.00	0.32	1.464	O					2.36	257.167	0.00	0.30	1.333	O					2.17
252.083	0.00	0.31	1.462	O					2.35	257.250	0.00	0.30	1.331	O					2.16
252.167	0.00	0.31	1.460	O					2.35	257.333	0.00	0.30	1.328	O					2.16
252.250	0.00	0.31	1.458	O					2.35	257.417	0.00	0.30	1.326	O					2.16
252.333	0.00	0.31	1.456	O					2.35	257.500	0.00	0.30	1.324	O					2.16
252.417	0.00	0.31	1.453	O					2.34	257.583	0.00	0.30	1.322	O					2.15
252.500	0.00	0.31	1.451	O					2.34	257.667	0.00	0.30	1.320	O					2.15
252.583	0.00	0.31	1.449	O					2.34	257.750	0.00	0.30	1.318	O					2.15
252.667	0.00	0.31	1.447	O					2.33	257.833	0.00	0.30	1.316	O					2.14
252.750	0.00	0.31	1.445	O					2.33	257.917	0.00	0.30	1.314	O					2.14
252.833	0.00	0.31	1.443	O					2.33	258.000	0.00	0.30	1.312	O					2.14
252.917	0.00	0.31	1.441	O					2.32	258.083	0.00	0.30	1.310	O					2.13
253.000	0.00	0.31	1.438	O					2.32	258.167	0.00	0.30	1.308	O					2.13
253.083	0.00	0.31	1.436	O					2.32	258.250	0.00	0.30	1.306	O					2.13
253.167	0.00	0.31	1.434	O					2.31	258.333	0.00	0.30	1.304	O					2.13
253.250	0.00	0.31	1.432	O					2.31	258.417	0.00	0.30	1.302	O					2.12
253.333	0.00	0.31	1.430	O					2.31	258.500	0.00	0.30	1.300	O					2.12
253.417	0.00	0.31	1.428	O					2.30	258.583	0.00	0.30	1.298	O					2.12
253.500	0.00	0.31	1.425	O					2.30	258.667	0.00	0.30	1.295	O					2.11
253.583	0.00	0.31	1.423	O					2.30	258.750	0.00	0.30	1.293	O					2.11
253.667	0.00	0.31	1.421	O					2.30	258.833	0.00	0.30	1.291	O					2.11
253.750	0.00	0.31	1.419	O					2.29	258.917	0.00	0.30	1.289	O					2.10
253.833	0.00	0.31	1.417	O					2.29	259.000	0.00	0.30	1.287	O					2.10
253.917	0.00	0.31	1.415	O					2.29	259.083	0.00	0.30	1.285	O					2.10
254.000	0.00	0.31	1.413	O					2.28	259.167	0.00	0.30	1.283	O					2.10
254.083	0.00	0.31	1.411	O					2.28	259.250	0.00	0.30	1.281	O					2.09
254.167	0.00	0.31	1.408	O					2.28	259.333	0.00	0.30	1.279	O					2.09
254.250	0.00	0.31	1.406	O					2.27	259.417	0.00	0.30	1.277	O					2.09
254.333	0.00	0.31	1.404	O					2.27	259.500	0.00	0.30	1.275	O					2.08
254.417	0.00	0.31	1.402	O					2.27	259.583	0.00	0.30	1.273	O					2.08
254.500	0.00	0.31	1.400	O					2.26	259.667	0.00	0.30	1.271	O					2.08
254.583	0.00	0.31	1.398	O					2.26	259.750	0.00	0.30	1.269	O					2.08
254.667	0.00	0.31	1.396	O					2.26	259.833	0.00	0.30	1.267	O					2.07
254.750	0.00	0.31	1.394	O					2.26	259.917	0.00	0.29	1.265	O					2.07
254.833	0.00	0.31	1.391	O					2.25	260.000	0.00	0.29	1.263	O					2.07
254.917	0.00	0.31	1.389	O					2.25	260.083	0.00	0.29	1.261	O					2.06
255.000	0.00	0.31	1.387	O					2.25	260.167	0.00	0.29	1.259	O					2.06
255.083	0.00	0.31	1.385	O					2.24	260.250	0.00	0.29	1.257	O					2.06
255.167	0.00	0.31	1.383	O					2.24	260.333	0.00	0.29	1.255	O					2.05
255.250	0.00	0.31	1.381	O					2.24	260.417	0.00	0.29	1.253	O					2.05
255.333	0.00	0.31	1.379	O					2.23	260.500	0.00	0.29	1.251	O					2.05
255.417	0.00	0.31	1.377	O					2.23	260.583	0.00	0.29	1.249	O					2.05
255.500	0.00	0.31	1.375	O					2.23	260.667	0.00	0.29	1.247	O					2.04
255.583	0.00	0.31	1.372	O					2.22	260.750	0.00	0.29	1.245	O					2.04
255.667	0.00	0.31	1.370	O					2.22	260.833	0.00	0.29	1.243	O					2.04
255.750	0.00	0.31	1.368	O					2.22	260.917	0.00	0.29	1.241	O					2.03
255.833	0.00	0.31	1.366	O					2.22	261.000	0.00	0.29	1.239	O					2.03
255.917	0.00	0.30	1.364	O					2.21	261.083	0.00	0.29	1.237	O					2.03
256.000	0.00	0.30	1.362	O					2.21	261.167	0.00	0.29	1.235	O					2.03
256.083	0.00	0.30	1.360	O					2.21	261.250	0.00	0.29	1.233	O					2.02
256.167	0.00	0.30	1.358	O					2.20	261.333	0.00	0.29	1.231	O					2.02
256.250	0.00	0.30	1.356	O					2.20	261.417	0.00	0.29	1.229	O					2.02
256.333	0.00	0.30	1.354	O					2.20	261.500	0.00	0.29	1.227	O					2.01
256.417	0.00	0.30	1.351	O					2.19	261.583	0.00	0.29	1.225	O					2.01
256.500	0.00	0.30	1.349	O					2.19	261.667	0.00	0.29	1.223	O					2.01

261.750	0.00	0.29	1.221	O					2.01	266.917	0.00	0.27	1.100	O					1.82
261.833	0.00	0.29	1.219	O					2.00	267.000	0.00	0.27	1.098	O					1.81
261.917	0.00	0.29	1.217	O					2.00	267.083	0.00	0.27	1.096	O					1.81
262.000	0.00	0.29	1.215	O					2.00	267.167	0.00	0.27	1.095	O					1.81
262.083	0.00	0.29	1.213	O					1.99	267.250	0.00	0.27	1.093	O					1.80
262.167	0.00	0.29	1.211	O					1.99	267.333	0.00	0.27	1.091	O					1.80
262.250	0.00	0.29	1.209	O					1.99	267.417	0.00	0.27	1.089	O					1.80
262.333	0.00	0.29	1.207	O					1.98	267.500	0.00	0.27	1.087	O					1.80
262.417	0.00	0.29	1.205	O					1.98	267.583	0.00	0.27	1.085	O					1.79
262.500	0.00	0.29	1.203	O					1.98	267.667	0.00	0.27	1.083	O					1.79
262.583	0.00	0.29	1.201	O					1.97	267.750	0.00	0.27	1.081	O					1.79
262.667	0.00	0.29	1.199	O					1.97	267.833	0.00	0.27	1.080	O					1.78
262.750	0.00	0.29	1.197	O					1.97	267.917	0.00	0.27	1.078	O					1.78
262.833	0.00	0.29	1.195	O					1.96	268.000	0.00	0.27	1.076	O					1.78
262.917	0.00	0.29	1.193	O					1.96	268.083	0.00	0.27	1.074	O					1.78
263.000	0.00	0.29	1.191	O					1.96	268.167	0.00	0.27	1.072	O					1.77
263.083	0.00	0.29	1.189	O					1.96	268.250	0.00	0.27	1.070	O					1.77
263.167	0.00	0.29	1.187	O					1.95	268.333	0.00	0.27	1.068	O					1.77
263.250	0.00	0.29	1.185	O					1.95	268.417	0.00	0.27	1.067	O					1.76
263.333	0.00	0.29	1.183	O					1.95	268.500	0.00	0.27	1.065	O					1.76
263.417	0.00	0.28	1.181	O					1.94	268.583	0.00	0.27	1.063	O					1.76
263.500	0.00	0.28	1.179	O					1.94	268.667	0.00	0.27	1.061	O					1.75
263.583	0.00	0.28	1.177	O					1.94	268.750	0.00	0.27	1.059	O					1.75
263.667	0.00	0.28	1.175	O					1.93	268.833	0.00	0.27	1.057	O					1.75
263.750	0.00	0.28	1.173	O					1.93	268.917	0.00	0.27	1.055	O					1.75
263.833	0.00	0.28	1.171	O					1.93	269.000	0.00	0.27	1.054	O					1.74
263.917	0.00	0.28	1.169	O					1.92	269.083	0.00	0.27	1.052	O					1.74
264.000	0.00	0.28	1.167	O					1.92	269.167	0.00	0.27	1.050	O					1.74
264.083	0.00	0.28	1.165	O					1.92	269.250	0.00	0.27	1.048	O					1.73
264.167	0.00	0.28	1.163	O					1.92	269.333	0.00	0.27	1.046	O					1.73
264.250	0.00	0.28	1.161	O					1.91	269.417	0.00	0.27	1.044	O					1.73
264.333	0.00	0.28	1.159	O					1.91	269.500	0.00	0.27	1.043	O					1.73
264.417	0.00	0.28	1.157	O					1.91	269.583	0.00	0.27	1.041	O					1.72
264.500	0.00	0.28	1.156	O					1.90	269.667	0.00	0.26	1.039	O					1.72
264.583	0.00	0.28	1.154	O					1.90	269.750	0.00	0.26	1.037	O					1.72
264.667	0.00	0.28	1.152	O					1.90	269.833	0.00	0.26	1.035	O					1.71
264.750	0.00	0.28	1.150	O					1.89	269.917	0.00	0.26	1.034	O					1.71
264.833	0.00	0.28	1.148	O					1.89	270.000	0.00	0.26	1.032	O					1.71
264.917	0.00	0.28	1.146	O					1.89	270.083	0.00	0.26	1.030	O					1.71
265.000	0.00	0.28	1.144	O					1.89	270.167	0.00	0.26	1.028	O					1.70
265.083	0.00	0.28	1.142	O					1.88	270.250	0.00	0.26	1.026	O					1.70
265.167	0.00	0.28	1.140	O					1.88	270.333	0.00	0.26	1.024	O					1.70
265.250	0.00	0.28	1.138	O					1.88	270.417	0.00	0.26	1.023	O					1.69
265.333	0.00	0.28	1.136	O					1.87	270.500	0.00	0.26	1.021	O					1.69
265.417	0.00	0.28	1.134	O					1.87	270.583	0.00	0.26	1.019	O					1.69
265.500	0.00	0.28	1.132	O					1.87	270.667	0.00	0.26	1.017	O					1.69
265.583	0.00	0.28	1.131	O					1.86	270.750	0.00	0.26	1.015	O					1.68
265.667	0.00	0.28	1.129	O					1.86	270.833	0.00	0.26	1.014	O					1.68
265.750	0.00	0.28	1.127	O					1.86	270.917	0.00	0.26	1.012	O					1.68
265.833	0.00	0.28	1.125	O					1.86	271.000	0.00	0.26	1.010	O					1.67
265.917	0.00	0.28	1.123	O					1.85	271.083	0.00	0.26	1.008	O					1.67
266.000	0.00	0.28	1.121	O					1.85	271.167	0.00	0.26	1.006	O					1.67
266.083	0.00	0.28	1.119	O					1.85	271.250	0.00	0.26	1.005	O					1.67
266.167	0.00	0.28	1.117	O					1.84	271.333	0.00	0.26	1.003	O					1.66
266.250	0.00	0.28	1.115	O					1.84	271.417	0.00	0.26	1.001	O					1.66
266.333	0.00	0.28	1.113	O					1.84	271.500	0.00	0.26	0.999	O					1.66
266.417	0.00	0.28	1.111	O					1.83	271.583	0.00	0.26	0.998	O					1.65
266.500	0.00	0.27	1.110	O					1.83	271.667	0.00	0.26	0.996	O					1.65
266.583	0.00	0.27	1.108	O					1.83	271.750	0.00	0.26	0.994	O					1.65
266.667	0.00	0.27	1.106	O					1.83	271.833	0.00	0.26	0.992	O					1.65
266.750	0.00	0.27	1.104	O					1.82	271.917	0.00	0.26	0.990	O					1.64
266.833	0.00	0.27	1.102	O					1.82	272.000	0.00	0.26	0.989	O					1.64

272.083	0.00	0.26	0.987	O					1.64	277.250	0.00	0.24	0.880	O					1.47
272.167	0.00	0.26	0.985	O					1.64	277.333	0.00	0.24	0.879	O					1.47
272.250	0.00	0.26	0.983	O					1.63	277.417	0.00	0.24	0.877	O					1.47
272.333	0.00	0.26	0.982	O					1.63	277.500	0.00	0.24	0.875	O					1.46
272.417	0.00	0.26	0.980	O					1.63	277.583	0.00	0.24	0.874	O					1.46
272.500	0.00	0.26	0.978	O					1.62	277.667	0.00	0.24	0.872	O					1.46
272.583	0.00	0.26	0.976	O					1.62	277.750	0.00	0.24	0.870	O					1.45
272.667	0.00	0.26	0.974	O					1.62	277.833	0.00	0.24	0.869	O					1.45
272.750	0.00	0.26	0.973	O					1.62	277.917	0.00	0.24	0.867	O					1.45
272.833	0.00	0.26	0.971	O					1.61	278.000	0.00	0.24	0.865	O					1.45
272.917	0.00	0.25	0.969	O					1.61	278.083	0.00	0.24	0.864	O					1.44
273.000	0.00	0.25	0.967	O					1.61	278.167	0.00	0.24	0.862	O					1.44
273.083	0.00	0.25	0.966	O					1.60	278.250	0.00	0.24	0.860	O					1.44
273.167	0.00	0.25	0.964	O					1.60	278.333	0.00	0.24	0.859	O					1.44
273.250	0.00	0.25	0.962	O					1.60	278.417	0.00	0.24	0.857	O					1.43
273.333	0.00	0.25	0.960	O					1.60	278.500	0.00	0.24	0.855	O					1.43
273.417	0.00	0.25	0.959	O					1.59	278.583	0.00	0.24	0.854	O					1.43
273.500	0.00	0.25	0.957	O					1.59	278.667	0.00	0.24	0.852	O					1.43
273.583	0.00	0.25	0.955	O					1.59	278.750	0.00	0.24	0.850	O					1.42
273.667	0.00	0.25	0.953	O					1.59	278.833	0.00	0.24	0.849	O					1.42
273.750	0.00	0.25	0.952	O					1.58	278.917	0.00	0.24	0.847	O					1.42
273.833	0.00	0.25	0.950	O					1.58	279.000	0.00	0.24	0.845	O					1.42
273.917	0.00	0.25	0.948	O					1.58	279.083	0.00	0.24	0.844	O					1.41
274.000	0.00	0.25	0.947	O					1.57	279.167	0.00	0.24	0.842	O					1.41
274.083	0.00	0.25	0.945	O					1.57	279.250	0.00	0.24	0.841	O					1.41
274.167	0.00	0.25	0.943	O					1.57	279.333	0.00	0.24	0.839	O					1.41
274.250	0.00	0.25	0.941	O					1.57	279.417	0.00	0.24	0.837	O					1.40
274.333	0.00	0.25	0.940	O					1.56	279.500	0.00	0.24	0.836	O					1.40
274.417	0.00	0.25	0.938	O					1.56	279.583	0.00	0.24	0.834	O					1.40
274.500	0.00	0.25	0.936	O					1.56	279.667	0.00	0.24	0.832	O					1.40
274.583	0.00	0.25	0.934	O					1.56	279.750	0.00	0.24	0.831	O					1.39
274.667	0.00	0.25	0.933	O					1.55	279.833	0.00	0.24	0.829	O					1.39
274.750	0.00	0.25	0.931	O					1.55	279.917	0.00	0.23	0.828	O					1.39
274.833	0.00	0.25	0.929	O					1.55	280.000	0.00	0.23	0.826	O					1.39
274.917	0.00	0.25	0.928	O					1.54	280.083	0.00	0.23	0.824	O					1.38
275.000	0.00	0.25	0.926	O					1.54	280.167	0.00	0.23	0.823	O					1.38
275.083	0.00	0.25	0.924	O					1.54	280.250	0.00	0.23	0.821	O					1.38
275.167	0.00	0.25	0.922	O					1.54	280.333	0.00	0.23	0.820	O					1.38
275.250	0.00	0.25	0.921	O					1.53	280.417	0.00	0.23	0.818	O					1.37
275.333	0.00	0.25	0.919	O					1.53	280.500	0.00	0.23	0.816	O					1.37
275.417	0.00	0.25	0.917	O					1.53	280.583	0.00	0.23	0.815	O					1.37
275.500	0.00	0.25	0.916	O					1.53	280.667	0.00	0.23	0.813	O					1.36
275.583	0.00	0.25	0.914	O					1.52	280.750	0.00	0.23	0.812	O					1.36
275.667	0.00	0.25	0.912	O					1.52	280.833	0.00	0.23	0.810	O					1.36
275.750	0.00	0.25	0.910	O					1.52	280.917	0.00	0.23	0.808	O					1.36
275.833	0.00	0.25	0.909	O					1.52	281.000	0.00	0.23	0.807	O					1.35
275.917	0.00	0.25	0.907	O					1.51	281.083	0.00	0.23	0.805	O					1.35
276.000	0.00	0.25	0.905	O					1.51	281.167	0.00	0.23	0.804	O					1.35
276.083	0.00	0.25	0.904	O					1.51	281.250	0.00	0.23	0.802	O					1.35
276.167	0.00	0.25	0.902	O					1.50	281.333	0.00	0.23	0.800	O					1.34
276.250	0.00	0.25	0.900	O					1.50	281.417	0.00	0.23	0.799	O					1.34
276.333	0.00	0.24	0.899	O					1.50	281.500	0.00	0.23	0.797	O					1.34
276.417	0.00	0.24	0.897	O					1.50	281.583	0.00	0.23	0.796	O					1.34
276.500	0.00	0.24	0.895	O					1.49	281.667	0.00	0.23	0.794	O					1.33
276.583	0.00	0.24	0.894	O					1.49	281.750	0.00	0.23	0.792	O					1.33
276.667	0.00	0.24	0.892	O					1.49	281.833	0.00	0.23	0.791	O					1.33
276.750	0.00	0.24	0.890	O					1.49	281.917	0.00	0.23	0.789	O					1.33
276.833	0.00	0.24	0.889	O					1.48	282.000	0.00	0.23	0.788	O					1.32
276.917	0.00	0.24	0.887	O					1.48	282.083	0.00	0.23	0.786	O					1.32
277.000	0.00	0.24	0.885	O					1.48	282.167	0.00	0.23	0.784	O					1.32
277.083	0.00	0.24	0.884	O					1.48	282.250	0.00	0.23	0.783	O					1.32
277.167	0.00	0.24	0.882	O					1.47	282.333	0.00	0.23	0.781	O					1.32

282.417	0.00	0.23	0.780	O					1.31	287.583	0.00	0.21	0.685	O					1.16
282.500	0.00	0.23	0.778	O					1.31	287.667	0.00	0.21	0.684	O					1.16
282.583	0.00	0.23	0.777	O					1.31	287.750	0.00	0.21	0.682	O					1.16
282.667	0.00	0.23	0.775	O					1.31	287.833	0.00	0.21	0.681	O					1.16
282.750	0.00	0.23	0.773	O					1.30	287.917	0.00	0.21	0.679	O					1.15
282.833	0.00	0.23	0.772	O					1.30	288.000	0.00	0.21	0.678	O					1.15
282.917	0.00	0.23	0.770	O					1.30	288.083	0.00	0.21	0.676	O					1.15
283.000	0.00	0.23	0.769	O					1.30	288.167	0.00	0.21	0.675	O					1.15
283.083	0.00	0.23	0.767	O					1.29	288.250	0.00	0.21	0.673	O					1.15
283.167	0.00	0.23	0.766	O					1.29	288.333	0.00	0.21	0.672	O					1.14
283.250	0.00	0.23	0.764	O					1.29	288.417	0.00	0.21	0.671	O					1.14
283.333	0.00	0.23	0.763	O					1.29	288.500	0.00	0.21	0.669	O					1.14
283.417	0.00	0.23	0.761	O					1.28	288.583	0.00	0.21	0.668	O					1.14
283.500	0.00	0.23	0.759	O					1.28	288.667	0.00	0.21	0.666	O					1.13
283.583	0.00	0.23	0.758	O					1.28	288.750	0.00	0.21	0.665	O					1.13
283.667	0.00	0.22	0.756	O					1.28	288.833	0.00	0.21	0.663	O					1.13
283.750	0.00	0.22	0.755	O					1.27	288.917	0.00	0.21	0.662	O					1.13
283.833	0.00	0.22	0.753	O					1.27	289.000	0.00	0.21	0.660	O					1.12
283.917	0.00	0.22	0.752	O					1.27	289.083	0.00	0.21	0.659	O					1.12
284.000	0.00	0.22	0.750	O					1.27	289.167	0.00	0.21	0.657	O					1.12
284.083	0.00	0.22	0.749	O					1.26	289.250	0.00	0.21	0.656	O					1.12
284.167	0.00	0.22	0.747	O					1.26	289.333	0.00	0.21	0.655	O					1.12
284.250	0.00	0.22	0.746	O					1.26	289.417	0.00	0.21	0.653	O					1.11
284.333	0.00	0.22	0.744	O					1.26	289.500	0.00	0.21	0.652	O					1.11
284.417	0.00	0.22	0.743	O					1.25	289.583	0.00	0.21	0.650	O					1.11
284.500	0.00	0.22	0.741	O					1.25	289.667	0.00	0.21	0.649	O					1.11
284.583	0.00	0.22	0.739	O					1.25	289.750	0.00	0.21	0.647	O					1.10
284.667	0.00	0.22	0.738	O					1.25	289.833	0.00	0.21	0.646	O					1.10
284.750	0.00	0.22	0.736	O					1.24	289.917	0.00	0.21	0.644	O					1.10
284.833	0.00	0.22	0.735	O					1.24	290.000	0.00	0.21	0.643	O					1.10
284.917	0.00	0.22	0.733	O					1.24	290.083	0.00	0.21	0.642	O					1.10
285.000	0.00	0.22	0.732	O					1.24	290.167	0.00	0.21	0.640	O					1.09
285.083	0.00	0.22	0.730	O					1.23	290.250	0.00	0.21	0.639	O					1.09
285.167	0.00	0.22	0.729	O					1.23	290.333	0.00	0.21	0.637	O					1.09
285.250	0.00	0.22	0.727	O					1.23	290.417	0.00	0.21	0.636	O					1.09
285.333	0.00	0.22	0.726	O					1.23	290.500	0.00	0.21	0.634	O					1.08
285.417	0.00	0.22	0.724	O					1.23	290.583	0.00	0.21	0.633	O					1.08
285.500	0.00	0.22	0.723	O					1.22	290.667	0.00	0.21	0.631	O					1.08
285.583	0.00	0.22	0.721	O					1.22	290.750	0.00	0.21	0.630	O					1.08
285.667	0.00	0.22	0.720	O					1.22	290.833	0.00	0.21	0.629	O					1.07
285.750	0.00	0.22	0.718	O					1.22	290.917	0.00	0.21	0.627	O					1.07
285.833	0.00	0.22	0.717	O					1.21	291.000	0.00	0.21	0.626	O					1.07
285.917	0.00	0.22	0.715	O					1.21	291.083	0.00	0.21	0.624	O					1.07
286.000	0.00	0.22	0.714	O					1.21	291.167	0.00	0.21	0.623	O					1.07
286.083	0.00	0.22	0.712	O					1.21	291.250	0.00	0.21	0.622	O					1.06
286.167	0.00	0.22	0.711	O					1.20	291.333	0.00	0.21	0.620	O					1.06
286.250	0.00	0.22	0.709	O					1.20	291.417	0.00	0.21	0.619	O					1.06
286.333	0.00	0.22	0.708	O					1.20	291.500	0.00	0.21	0.617	O					1.06
286.417	0.00	0.22	0.706	O					1.20	291.583	0.00	0.20	0.616	O					1.05
286.500	0.00	0.22	0.705	O					1.19	291.667	0.00	0.20	0.614	O					1.05
286.583	0.00	0.22	0.703	O					1.19	291.750	0.00	0.20	0.613	O					1.05
286.667	0.00	0.22	0.702	O					1.19	291.833	0.00	0.20	0.612	O					1.05
286.750	0.00	0.22	0.700	O					1.19	291.917	0.00	0.20	0.610	O					1.05
286.833	0.00	0.22	0.699	O					1.18	292.000	0.00	0.20	0.609	O					1.04
286.917	0.00	0.22	0.697	O					1.18	292.083	0.00	0.20	0.607	O					1.04
287.000	0.00	0.22	0.696	O					1.18	292.167	0.00	0.20	0.606	O					1.04
287.083	0.00	0.22	0.694	O					1.18	292.250	0.00	0.20	0.605	O					1.04
287.167	0.00	0.22	0.693	O					1.18	292.333	0.00	0.20	0.603	O					1.03
287.250	0.00	0.22	0.691	O					1.17	292.417	0.00	0.20	0.602	O					1.03
287.333	0.00	0.22	0.690	O					1.17	292.500	0.00	0.20	0.600	O					1.03
287.417	0.00	0.22	0.688	O					1.17	292.583	0.00	0.20	0.599	O					1.03
287.500	0.00	0.21	0.687	O					1.17	292.667	0.00	0.20	0.598	O					1.03

292.750	0.00	0.20	0.596	O					1.02	297.917	0.00	0.18	0.515	O					0.89
292.833	0.00	0.20	0.595	O					1.02	298.000	0.00	0.18	0.514	O					0.88
292.917	0.00	0.20	0.593	O					1.02	298.083	0.00	0.18	0.512	O					0.88
293.000	0.00	0.20	0.592	O					1.02	298.167	0.00	0.18	0.511	O					0.88
293.083	0.00	0.20	0.591	O					1.02	298.250	0.00	0.18	0.510	O					0.88
293.167	0.00	0.20	0.589	O					1.01	298.333	0.00	0.18	0.509	O					0.88
293.250	0.00	0.20	0.588	O					1.01	298.417	0.00	0.17	0.508	O					0.87
293.333	0.00	0.20	0.587	O					1.01	298.500	0.00	0.17	0.506	O					0.87
293.417	0.00	0.20	0.585	O					1.01	298.583	0.00	0.17	0.505	O					0.87
293.500	0.00	0.20	0.584	O					1.00	298.667	0.00	0.17	0.504	O					0.87
293.583	0.00	0.20	0.582	O					1.00	298.750	0.00	0.17	0.503	O					0.87
293.667	0.00	0.20	0.581	O					1.00	298.833	0.00	0.17	0.502	O					0.86
293.750	0.00	0.20	0.580	O					1.00	298.917	0.00	0.17	0.500	O					0.86
293.833	0.00	0.20	0.578	O					1.00	299.000	0.00	0.17	0.499	O					0.86
293.917	0.00	0.20	0.577	O					0.99	299.083	0.00	0.17	0.498	O					0.86
294.000	0.00	0.20	0.576	O					0.99	299.167	0.00	0.17	0.497	O					0.86
294.083	0.00	0.20	0.574	O					0.99	299.250	0.00	0.17	0.496	O					0.85
294.167	0.00	0.20	0.573	O					0.99	299.333	0.00	0.17	0.495	O					0.85
294.250	0.00	0.20	0.571	O					0.98	299.417	0.00	0.17	0.493	O					0.85
294.333	0.00	0.20	0.570	O					0.98	299.500	0.00	0.17	0.492	O					0.85
294.417	0.00	0.20	0.569	O					0.98	299.583	0.00	0.17	0.491	O					0.85
294.500	0.00	0.20	0.567	O					0.98	299.667	0.00	0.17	0.490	O					0.84
294.583	0.00	0.19	0.566	O					0.97	299.750	0.00	0.17	0.489	O					0.84
294.667	0.00	0.19	0.565	O					0.97	299.833	0.00	0.17	0.488	O					0.84
294.750	0.00	0.19	0.563	O					0.97	299.917	0.00	0.17	0.486	O					0.84
294.833	0.00	0.19	0.562	O					0.97	300.000	0.00	0.17	0.485	O					0.84
294.917	0.00	0.19	0.561	O					0.97	300.083	0.00	0.17	0.484	O					0.83
295.000	0.00	0.19	0.559	O					0.96	300.167	0.00	0.17	0.483	O					0.83
295.083	0.00	0.19	0.558	O					0.96	300.250	0.00	0.17	0.482	O					0.83
295.167	0.00	0.19	0.557	O					0.96	300.333	0.00	0.17	0.481	O					0.83
295.250	0.00	0.19	0.555	O					0.96	300.417	0.00	0.17	0.480	O					0.83
295.333	0.00	0.19	0.554	O					0.95	300.500	0.00	0.16	0.478	O					0.82
295.417	0.00	0.19	0.553	O					0.95	300.583	0.00	0.16	0.477	O					0.82
295.500	0.00	0.19	0.552	O					0.95	300.667	0.00	0.16	0.476	O					0.82
295.583	0.00	0.19	0.550	O					0.95	300.750	0.00	0.16	0.475	O					0.82
295.667	0.00	0.19	0.549	O					0.94	300.833	0.00	0.16	0.474	O					0.82
295.750	0.00	0.19	0.548	O					0.94	300.917	0.00	0.16	0.473	O					0.81
295.833	0.00	0.19	0.546	O					0.94	301.000	0.00	0.16	0.472	O					0.81
295.917	0.00	0.19	0.545	O					0.94	301.083	0.00	0.16	0.471	O					0.81
296.000	0.00	0.19	0.544	O					0.94	301.167	0.00	0.16	0.469	O					0.81
296.083	0.00	0.19	0.542	O					0.93	301.250	0.00	0.16	0.468	O					0.81
296.167	0.00	0.19	0.541	O					0.93	301.333	0.00	0.16	0.467	O					0.80
296.250	0.00	0.19	0.540	O					0.93	301.417	0.00	0.16	0.466	O					0.80
296.333	0.00	0.19	0.539	O					0.93	301.500	0.00	0.16	0.465	O					0.80
296.417	0.00	0.18	0.537	O					0.92	301.583	0.00	0.16	0.464	O					0.80
296.500	0.00	0.18	0.536	O					0.92	301.667	0.00	0.16	0.463	O					0.80
296.583	0.00	0.18	0.535	O					0.92	301.750	0.00	0.16	0.462	O					0.79
296.667	0.00	0.18	0.533	O					0.92	301.833	0.00	0.16	0.461	O					0.79
296.750	0.00	0.18	0.532	O					0.92	301.917	0.00	0.16	0.459	O					0.79
296.833	0.00	0.18	0.531	O					0.91	302.000	0.00	0.16	0.458	O					0.79
296.917	0.00	0.18	0.530	O					0.91	302.083	0.00	0.16	0.457	O					0.79
297.000	0.00	0.18	0.528	O					0.91	302.167	0.00	0.16	0.456	O					0.79
297.083	0.00	0.18	0.527	O					0.91	302.250	0.00	0.16	0.455	O					0.78
297.167	0.00	0.18	0.526	O					0.91	302.333	0.00	0.16	0.454	O					0.78
297.250	0.00	0.18	0.525	O					0.90	302.417	0.00	0.16	0.453	O					0.78
297.333	0.00	0.18	0.523	O					0.90	302.500	0.00	0.16	0.452	O					0.78
297.417	0.00	0.18	0.522	O					0.90	302.583	0.00	0.16	0.451	O					0.78
297.500	0.00	0.18	0.521	O					0.90	302.667	0.00	0.15	0.450	O					0.77
297.583	0.00	0.18	0.520	O					0.89	302.750	0.00	0.15	0.449	O					0.77
297.667	0.00	0.18	0.519	O					0.89	302.833	0.00	0.15	0.448	O					0.77
297.750	0.00	0.18	0.517	O					0.89	302.917	0.00	0.15	0.447	O					0.77
297.833	0.00	0.18	0.516	O					0.89	303.000	0.00	0.15	0.446	O					0.77

303.083	0.00	0.15	0.444	O					0.77	308.250	0.00	0.13	0.384	O					0.66
303.167	0.00	0.15	0.443	O					0.76	308.333	0.00	0.13	0.383	O					0.66
303.250	0.00	0.15	0.442	O					0.76	308.417	0.00	0.13	0.382	O					0.66
303.333	0.00	0.15	0.441	O					0.76	308.500	0.00	0.13	0.381	O					0.66
303.417	0.00	0.15	0.440	O					0.76	308.583	0.00	0.13	0.380	O					0.65
303.500	0.00	0.15	0.439	O					0.76	308.667	0.00	0.13	0.379	O					0.65
303.583	0.00	0.15	0.438	O					0.75	308.750	0.00	0.13	0.378	O					0.65
303.667	0.00	0.15	0.437	O					0.75	308.833	0.00	0.13	0.377	O					0.65
303.750	0.00	0.15	0.436	O					0.75	308.917	0.00	0.13	0.377	O					0.65
303.833	0.00	0.15	0.435	O					0.75	309.000	0.00	0.13	0.376	O					0.65
303.917	0.00	0.15	0.434	O					0.75	309.083	0.00	0.13	0.375	O					0.64
304.000	0.00	0.15	0.433	O					0.75	309.167	0.00	0.13	0.374	O					0.64
304.083	0.00	0.15	0.432	O					0.74	309.250	0.00	0.13	0.373	O					0.64
304.167	0.00	0.15	0.431	O					0.74	309.333	0.00	0.13	0.372	O					0.64
304.250	0.00	0.15	0.430	O					0.74	309.417	0.00	0.13	0.371	O					0.64
304.333	0.00	0.15	0.429	O					0.74	309.500	0.00	0.13	0.370	O					0.64
304.417	0.00	0.15	0.428	O					0.74	309.583	0.00	0.13	0.369	O					0.64
304.500	0.00	0.15	0.427	O					0.73	309.667	0.00	0.13	0.369	O					0.63
304.583	0.00	0.15	0.426	O					0.73	309.750	0.00	0.13	0.368	O					0.63
304.667	0.00	0.15	0.425	O					0.73	309.833	0.00	0.13	0.367	O					0.63
304.750	0.00	0.15	0.424	O					0.73	309.917	0.00	0.13	0.366	O					0.63
304.833	0.00	0.15	0.423	O					0.73	310.000	0.00	0.13	0.365	O					0.63
304.917	0.00	0.15	0.422	O					0.73	310.083	0.00	0.13	0.364	O					0.63
305.000	0.00	0.14	0.421	O					0.72	310.167	0.00	0.13	0.363	O					0.63
305.083	0.00	0.14	0.420	O					0.72	310.250	0.00	0.12	0.362	O					0.62
305.167	0.00	0.14	0.419	O					0.72	310.333	0.00	0.12	0.362	O					0.62
305.250	0.00	0.14	0.418	O					0.72	310.417	0.00	0.12	0.361	O					0.62
305.333	0.00	0.14	0.417	O					0.72	310.500	0.00	0.12	0.360	O					0.62
305.417	0.00	0.14	0.416	O					0.72	310.583	0.00	0.12	0.359	O					0.62
305.500	0.00	0.14	0.415	O					0.71	310.667	0.00	0.12	0.358	O					0.62
305.583	0.00	0.14	0.414	O					0.71	310.750	0.00	0.12	0.357	O					0.62
305.667	0.00	0.14	0.413	O					0.71	310.833	0.00	0.12	0.357	O					0.61
305.750	0.00	0.14	0.412	O					0.71	310.917	0.00	0.12	0.356	O					0.61
305.833	0.00	0.14	0.411	O					0.71	311.000	0.00	0.12	0.355	O					0.61
305.917	0.00	0.14	0.410	O					0.71	311.083	0.00	0.12	0.354	O					0.61
306.000	0.00	0.14	0.409	O					0.70	311.167	0.00	0.12	0.353	O					0.61
306.083	0.00	0.14	0.408	O					0.70	311.250	0.00	0.12	0.352	O					0.61
306.167	0.00	0.14	0.407	O					0.70	311.333	0.00	0.12	0.351	O					0.60
306.250	0.00	0.14	0.406	O					0.70	311.417	0.00	0.12	0.351	O					0.60
306.333	0.00	0.14	0.405	O					0.70	311.500	0.00	0.12	0.350	O					0.60
306.417	0.00	0.14	0.404	O					0.70	311.583	0.00	0.12	0.349	O					0.60
306.500	0.00	0.14	0.403	O					0.69	311.667	0.00	0.12	0.348	O					0.60
306.583	0.00	0.14	0.402	O					0.69	311.750	0.00	0.12	0.347	O					0.60
306.667	0.00	0.14	0.401	O					0.69	311.833	0.00	0.12	0.347	O					0.60
306.750	0.00	0.14	0.400	O					0.69	311.917	0.00	0.12	0.346	O					0.60
306.833	0.00	0.14	0.400	O					0.69	312.000	0.00	0.12	0.345	O					0.59
306.917	0.00	0.14	0.399	O					0.69	312.083	0.00	0.12	0.344	O					0.59
307.000	0.00	0.14	0.398	O					0.68	312.167	0.00	0.12	0.343	O					0.59
307.083	0.00	0.14	0.397	O					0.68	312.250	0.00	0.12	0.342	O					0.59
307.167	0.00	0.14	0.396	O					0.68	312.333	0.00	0.12	0.342	O					0.59
307.250	0.00	0.14	0.395	O					0.68	312.417	0.00	0.12	0.341	O					0.59
307.333	0.00	0.14	0.394	O					0.68	312.500	0.00	0.12	0.340	O					0.59
307.417	0.00	0.14	0.393	O					0.68	312.583	0.00	0.12	0.339	O					0.58
307.500	0.00	0.13	0.392	O					0.67	312.667	0.00	0.12	0.338	O					0.58
307.583	0.00	0.13	0.391	O					0.67	312.750	0.00	0.12	0.338	O					0.58
307.667	0.00	0.13	0.390	O					0.67	312.833	0.00	0.12	0.337	O					0.58
307.750	0.00	0.13	0.389	O					0.67	312.917	0.00	0.12	0.336	O					0.58
307.833	0.00	0.13	0.388	O					0.67	313.000	0.00	0.12	0.335	O					0.58
307.917	0.00	0.13	0.387	O					0.67	313.083	0.00	0.12	0.334	O					0.58
308.000	0.00	0.13	0.386	O					0.67	313.167	0.00	0.11	0.334	O					0.57
308.083	0.00	0.13	0.386	O					0.66	313.250	0.00	0.11	0.333	O					0.57
308.167	0.00	0.13	0.385	O					0.66	313.333	0.00	0.11	0.332	O					0.57

313.417	0.00	0.11	0.331	O	|	|	|	|	0.57	318.583	0.00	0.10	0.286	O	|	|	|	|	0.49
313.500	0.00	0.11	0.330	O	|	|	|	|	0.57	318.667	0.00	0.10	0.285	O	|	|	|	|	0.49
313.583	0.00	0.11	0.330	O	|	|	|	|	0.57	318.750	0.00	0.10	0.285	O	|	|	|	|	0.49
313.667	0.00	0.11	0.329	O	|	|	|	|	0.57	318.833	0.00	0.10	0.284	O	|	|	|	|	0.49
313.750	0.00	0.11	0.328	O	|	|	|	|	0.56	318.917	0.00	0.10	0.283	O	|	|	|	|	0.49
313.833	0.00	0.11	0.327	O	|	|	|	|	0.56	319.000	0.00	0.10	0.283	O	|	|	|	|	0.49
313.917	0.00	0.11	0.327	O	|	|	|	|	0.56	319.083	0.00	0.10	0.282	O	|	|	|	|	0.49
314.000	0.00	0.11	0.326	O	|	|	|	|	0.56	319.167	0.00	0.10	0.281	O	|	|	|	|	0.48
314.083	0.00	0.11	0.325	O	|	|	|	|	0.56	319.250	0.00	0.10	0.281	O	|	|	|	|	0.48
314.167	0.00	0.11	0.324	O	|	|	|	|	0.56	319.333	0.00	0.10	0.280	O	|	|	|	|	0.48
314.250	0.00	0.11	0.324	O	|	|	|	|	0.56	319.417	0.00	0.10	0.279	O	|	|	|	|	0.48
314.333	0.00	0.11	0.323	O	|	|	|	|	0.56	319.500	0.00	0.10	0.279	O	|	|	|	|	0.48
314.417	0.00	0.11	0.322	O	|	|	|	|	0.55	319.583	0.00	0.10	0.278	O	|	|	|	|	0.48
314.500	0.00	0.11	0.321	O	|	|	|	|	0.55	319.667	0.00	0.10	0.277	O	|	|	|	|	0.48
314.583	0.00	0.11	0.320	O	|	|	|	|	0.55	319.750	0.00	0.10	0.277	O	|	|	|	|	0.48
314.667	0.00	0.11	0.320	O	|	|	|	|	0.55	319.833	0.00	0.10	0.276	O	|	|	|	|	0.48
314.750	0.00	0.11	0.319	O	|	|	|	|	0.55	319.917	0.00	0.09	0.275	O	|	|	|	|	0.47
314.833	0.00	0.11	0.318	O	|	|	|	|	0.55	320.000	0.00	0.09	0.275	O	|	|	|	|	0.47
314.917	0.00	0.11	0.317	O	|	|	|	|	0.55	320.083	0.00	0.09	0.274	O	|	|	|	|	0.47
315.000	0.00	0.11	0.317	O	|	|	|	|	0.55	320.167	0.00	0.09	0.273	O	|	|	|	|	0.47
315.083	0.00	0.11	0.316	O	|	|	|	|	0.54	320.250	0.00	0.09	0.273	O	|	|	|	|	0.47
315.167	0.00	0.11	0.315	O	|	|	|	|	0.54	320.333	0.00	0.09	0.272	O	|	|	|	|	0.47
315.250	0.00	0.11	0.314	O	|	|	|	|	0.54	320.417	0.00	0.09	0.271	O	|	|	|	|	0.47
315.333	0.00	0.11	0.314	O	|	|	|	|	0.54	320.500	0.00	0.09	0.271	O	|	|	|	|	0.47
315.417	0.00	0.11	0.313	O	|	|	|	|	0.54	320.583	0.00	0.09	0.270	O	|	|	|	|	0.47
315.500	0.00	0.11	0.312	O	|	|	|	|	0.54	320.667	0.00	0.09	0.270	O	|	|	|	|	0.46
315.583	0.00	0.11	0.311	O	|	|	|	|	0.54	320.750	0.00	0.09	0.269	O	|	|	|	|	0.46
315.667	0.00	0.11	0.311	O	|	|	|	|	0.53	320.833	0.00	0.09	0.268	O	|	|	|	|	0.46
315.750	0.00	0.11	0.310	O	|	|	|	|	0.53	320.917	0.00	0.09	0.268	O	|	|	|	|	0.46
315.833	0.00	0.11	0.309	O	|	|	|	|	0.53	321.000	0.00	0.09	0.267	O	|	|	|	|	0.46
315.917	0.00	0.11	0.309	O	|	|	|	|	0.53	321.083	0.00	0.09	0.266	O	|	|	|	|	0.46
316.000	0.00	0.11	0.308	O	|	|	|	|	0.53	321.167	0.00	0.09	0.266	O	|	|	|	|	0.46
316.083	0.00	0.11	0.307	O	|	|	|	|	0.53	321.250	0.00	0.09	0.265	O	|	|	|	|	0.46
316.167	0.00	0.11	0.306	O	|	|	|	|	0.53	321.333	0.00	0.09	0.264	O	|	|	|	|	0.46
316.250	0.00	0.11	0.306	O	|	|	|	|	0.53	321.417	0.00	0.09	0.264	O	|	|	|	|	0.45
316.333	0.00	0.10	0.305	O	|	|	|	|	0.52	321.500	0.00	0.09	0.263	O	|	|	|	|	0.45
316.417	0.00	0.10	0.304	O	|	|	|	|	0.52	321.583	0.00	0.09	0.263	O	|	|	|	|	0.45
316.500	0.00	0.10	0.303	O	|	|	|	|	0.52	321.667	0.00	0.09	0.262	O	|	|	|	|	0.45
316.583	0.00	0.10	0.303	O	|	|	|	|	0.52	321.750	0.00	0.09	0.261	O	|	|	|	|	0.45
316.667	0.00	0.10	0.302	O	|	|	|	|	0.52	321.833	0.00	0.09	0.261	O	|	|	|	|	0.45
316.750	0.00	0.10	0.301	O	|	|	|	|	0.52	321.917	0.00	0.09	0.260	O	|	|	|	|	0.45
316.833	0.00	0.10	0.301	O	|	|	|	|	0.52	322.000	0.00	0.09	0.259	O	|	|	|	|	0.45
316.917	0.00	0.10	0.300	O	|	|	|	|	0.52	322.083	0.00	0.09	0.259	O	|	|	|	|	0.45
317.000	0.00	0.10	0.299	O	|	|	|	|	0.51	322.167	0.00	0.09	0.258	O	|	|	|	|	0.44
317.083	0.00	0.10	0.298	O	|	|	|	|	0.51	322.250	0.00	0.09	0.258	O	|	|	|	|	0.44
317.167	0.00	0.10	0.298	O	|	|	|	|	0.51	322.333	0.00	0.09	0.257	O	|	|	|	|	0.44
317.250	0.00	0.10	0.297	O	|	|	|	|	0.51	322.417	0.00	0.09	0.256	O	|	|	|	|	0.44
317.333	0.00	0.10	0.296	O	|	|	|	|	0.51	322.500	0.00	0.09	0.256	O	|	|	|	|	0.44
317.417	0.00	0.10	0.296	O	|	|	|	|	0.51	322.583	0.00	0.09	0.255	O	|	|	|	|	0.44
317.500	0.00	0.10	0.295	O	|	|	|	|	0.51	322.667	0.00	0.09	0.255	O	|	|	|	|	0.44
317.583	0.00	0.10	0.294	O	|	|	|	|	0.51	322.750	0.00	0.09	0.254	O	|	|	|	|	0.44
317.667	0.00	0.10	0.294	O	|	|	|	|	0.51	322.833	0.00	0.09	0.253	O	|	|	|	|	0.44
317.750	0.00	0.10	0.293	O	|	|	|	|	0.50	322.917	0.00	0.09	0.253	O	|	|	|	|	0.44
317.833	0.00	0.10	0.292	O	|	|	|	|	0.50	323.000	0.00	0.09	0.252	O	|	|	|	|	0.43
317.917	0.00	0.10	0.291	O	|	|	|	|	0.50	323.083	0.00	0.09	0.252	O	|	|	|	|	0.43
318.000	0.00	0.10	0.291	O	|	|	|	|	0.50	323.167	0.00	0.09	0.251	O	|	|	|	|	0.43
318.083	0.00	0.10	0.290	O	|	|	|	|	0.50	323.250	0.00	0.09	0.250	O	|	|	|	|	0.43
318.167	0.00	0.10	0.289	O	|	|	|	|	0.50	323.333	0.00	0.09	0.250	O	|	|	|	|	0.43
318.250	0.00	0.10	0.289	O	|	|	|	|	0.50	323.417	0.00	0.09	0.249	O	|	|	|	|	0.43
318.333	0.00	0.10	0.288	O	|	|	|	|	0.50	323.500	0.00	0.09	0.249	O	|	|	|	|	0.43
318.417	0.00	0.10	0.287	O	|	|	|	|	0.49	323.583	0.00	0.09	0.248	O	|	|	|	|	0.43
318.500	0.00	0.10	0.287	O	|	|	|	|	0.49	323.667	0.00	0.09	0.247	O	|	|	|	|	0.43

323.750	0.00	0.08	0.247	O	|	|	|	|	0.42	328.917	0.00	0.07	0.213	O	|	|	|	|	0.37
323.833	0.00	0.08	0.246	O	|	|	|	|	0.42	329.000	0.00	0.07	0.213	O	|	|	|	|	0.37
323.917	0.00	0.08	0.246	O	|	|	|	|	0.42	329.083	0.00	0.07	0.212	O	|	|	|	|	0.37
324.000	0.00	0.08	0.245	O	|	|	|	|	0.42	329.167	0.00	0.07	0.212	O	|	|	|	|	0.36
324.083	0.00	0.08	0.245	O	|	|	|	|	0.42	329.250	0.00	0.07	0.211	O	|	|	|	|	0.36
324.167	0.00	0.08	0.244	O	|	|	|	|	0.42	329.333	0.00	0.07	0.211	O	|	|	|	|	0.36
324.250	0.00	0.08	0.243	O	|	|	|	|	0.42	329.417	0.00	0.07	0.210	O	|	|	|	|	0.36
324.333	0.00	0.08	0.243	O	|	|	|	|	0.42	329.500	0.00	0.07	0.210	O	|	|	|	|	0.36
324.417	0.00	0.08	0.242	O	|	|	|	|	0.42	329.583	0.00	0.07	0.209	O	|	|	|	|	0.36
324.500	0.00	0.08	0.242	O	|	|	|	|	0.42	329.667	0.00	0.07	0.209	O	|	|	|	|	0.36
324.583	0.00	0.08	0.241	O	|	|	|	|	0.41	329.750	0.00	0.07	0.208	O	|	|	|	|	0.36
324.667	0.00	0.08	0.241	O	|	|	|	|	0.41	329.833	0.00	0.07	0.208	O	|	|	|	|	0.36
324.750	0.00	0.08	0.240	O	|	|	|	|	0.41	329.917	0.00	0.07	0.207	O	|	|	|	|	0.36
324.833	0.00	0.08	0.239	O	|	|	|	|	0.41	330.000	0.00	0.07	0.207	O	|	|	|	|	0.36
324.917	0.00	0.08	0.239	O	|	|	|	|	0.41	330.083	0.00	0.07	0.206	O	|	|	|	|	0.35
325.000	0.00	0.08	0.238	O	|	|	|	|	0.41	330.167	0.00	0.07	0.206	O	|	|	|	|	0.35
325.083	0.00	0.08	0.238	O	|	|	|	|	0.41	330.250	0.00	0.07	0.205	O	|	|	|	|	0.35
325.167	0.00	0.08	0.237	O	|	|	|	|	0.41	330.333	0.00	0.07	0.205	O	|	|	|	|	0.35
325.250	0.00	0.08	0.237	O	|	|	|	|	0.41	330.417	0.00	0.07	0.204	O	|	|	|	|	0.35
325.333	0.00	0.08	0.236	O	|	|	|	|	0.41	330.500	0.00	0.07	0.204	O	|	|	|	|	0.35
325.417	0.00	0.08	0.235	O	|	|	|	|	0.41	330.583	0.00	0.07	0.203	O	|	|	|	|	0.35
325.500	0.00	0.08	0.235	O	|	|	|	|	0.40	330.667	0.00	0.07	0.203	O	|	|	|	|	0.35
325.583	0.00	0.08	0.234	O	|	|	|	|	0.40	330.750	0.00	0.07	0.202	O	|	|	|	|	0.35
325.667	0.00	0.08	0.234	O	|	|	|	|	0.40	330.833	0.00	0.07	0.202	O	|	|	|	|	0.35
325.750	0.00	0.08	0.233	O	|	|	|	|	0.40	330.917	0.00	0.07	0.201	O	|	|	|	|	0.35
325.833	0.00	0.08	0.233	O	|	|	|	|	0.40	331.000	0.00	0.07	0.201	O	|	|	|	|	0.35
325.917	0.00	0.08	0.232	O	|	|	|	|	0.40	331.083	0.00	0.07	0.200	O	|	|	|	|	0.34
326.000	0.00	0.08	0.232	O	|	|	|	|	0.40	331.167	0.00	0.07	0.200	O	|	|	|	|	0.34
326.083	0.00	0.08	0.231	O	|	|	|	|	0.40	331.250	0.00	0.07	0.199	O	|	|	|	|	0.34
326.167	0.00	0.08	0.230	O	|	|	|	|	0.40	331.333	0.00	0.07	0.199	O	|	|	|	|	0.34
326.250	0.00	0.08	0.230	O	|	|	|	|	0.40	331.417	0.00	0.07	0.199	O	|	|	|	|	0.34
326.333	0.00	0.08	0.229	O	|	|	|	|	0.39	331.500	0.00	0.07	0.198	O	|	|	|	|	0.34
326.417	0.00	0.08	0.229	O	|	|	|	|	0.39	331.583	0.00	0.07	0.198	O	|	|	|	|	0.34
326.500	0.00	0.08	0.228	O	|	|	|	|	0.39	331.667	0.00	0.07	0.197	O	|	|	|	|	0.34
326.583	0.00	0.08	0.228	O	|	|	|	|	0.39	331.750	0.00	0.07	0.197	O	|	|	|	|	0.34
326.667	0.00	0.08	0.227	O	|	|	|	|	0.39	331.833	0.00	0.07	0.196	O	|	|	|	|	0.34
326.750	0.00	0.08	0.227	O	|	|	|	|	0.39	331.917	0.00	0.07	0.196	O	|	|	|	|	0.34
326.833	0.00	0.08	0.226	O	|	|	|	|	0.39	332.000	0.00	0.07	0.195	O	|	|	|	|	0.34
326.917	0.00	0.08	0.226	O	|	|	|	|	0.39	332.083	0.00	0.07	0.195	O	|	|	|	|	0.34
327.000	0.00	0.08	0.225	O	|	|	|	|	0.39	332.167	0.00	0.07	0.194	O	|	|	|	|	0.33
327.083	0.00	0.08	0.225	O	|	|	|	|	0.39	332.250	0.00	0.07	0.194	O	|	|	|	|	0.33
327.167	0.00	0.08	0.224	O	|	|	|	|	0.39	332.333	0.00	0.07	0.193	O	|	|	|	|	0.33
327.250	0.00	0.08	0.223	O	|	|	|	|	0.38	332.417	0.00	0.07	0.193	O	|	|	|	|	0.33
327.333	0.00	0.08	0.223	O	|	|	|	|	0.38	332.500	0.00	0.07	0.192	O	|	|	|	|	0.33
327.417	0.00	0.08	0.222	O	|	|	|	|	0.38	332.583	0.00	0.07	0.192	O	|	|	|	|	0.33
327.500	0.00	0.08	0.222	O	|	|	|	|	0.38	332.667	0.00	0.07	0.192	O	|	|	|	|	0.33
327.583	0.00	0.08	0.221	O	|	|	|	|	0.38	332.750	0.00	0.07	0.191	O	|	|	|	|	0.33
327.667	0.00	0.08	0.221	O	|	|	|	|	0.38	332.833	0.00	0.07	0.191	O	|	|	|	|	0.33
327.750	0.00	0.08	0.220	O	|	|	|	|	0.38	332.917	0.00	0.07	0.190	O	|	|	|	|	0.33
327.833	0.00	0.08	0.220	O	|	|	|	|	0.38	333.000	0.00	0.07	0.190	O	|	|	|	|	0.33
327.917	0.00	0.08	0.219	O	|	|	|	|	0.38	333.083	0.00	0.07	0.189	O	|	|	|	|	0.33
328.000	0.00	0.08	0.219	O	|	|	|	|	0.38	333.167	0.00	0.07	0.189	O	|	|	|	|	0.33
328.083	0.00	0.08	0.218	O	|	|	|	|	0.38	333.250	0.00	0.06	0.188	O	|	|	|	|	0.32
328.167	0.00	0.07	0.218	O	|	|	|	|	0.37	333.333	0.00	0.06	0.188	O	|	|	|	|	0.32
328.250	0.00	0.07	0.217	O	|	|	|	|	0.37	333.417	0.00	0.06	0.188	O	|	|	|	|	0.32
328.333	0.00	0.07	0.217	O	|	|	|	|	0.37	333.500	0.00	0.06	0.187	O	|	|	|	|	0.32
328.417	0.00	0.07	0.216	O	|	|	|	|	0.37	333.583	0.00	0.06	0.187	O	|	|	|	|	0.32
328.500	0.00	0.07	0.216	O	|	|	|	|	0.37	333.667	0.00	0.06	0.186	O	|	|	|	|	0.32
328.583	0.00	0.07	0.215	O	|	|	|	|	0.37	333.750	0.00	0.06	0.186	O	|	|	|	|	0.32
328.667	0.00	0.07	0.215	O	|	|	|	|	0.37	333.833	0.00	0.06	0.185	O	|	|	|	|	0.32
328.750	0.00	0.07	0.214	O	|	|	|	|	0.37	333.917	0.00	0.06	0.185	O	|	|	|	|	0.32
328.833	0.00	0.07	0.214	O	|	|	|	|	0.37	334.000	0.00	0.06	0.184	O	|	|	|	|	0.32

334.083	0.00	0.06	0.184	O	|	|	|	|	0.32	339.250	0.00	0.05	0.159	O	|	|	|	|	0.27
334.167	0.00	0.06	0.184	O	|	|	|	|	0.32	339.333	0.00	0.05	0.158	O	|	|	|	|	0.27
334.250	0.00	0.06	0.183	O	|	|	|	|	0.32	339.417	0.00	0.05	0.158	O	|	|	|	|	0.27
334.333	0.00	0.06	0.183	O	|	|	|	|	0.31	339.500	0.00	0.05	0.158	O	|	|	|	|	0.27
334.417	0.00	0.06	0.182	O	|	|	|	|	0.31	339.583	0.00	0.05	0.157	O	|	|	|	|	0.27
334.500	0.00	0.06	0.182	O	|	|	|	|	0.31	339.667	0.00	0.05	0.157	O	|	|	|	|	0.27
334.583	0.00	0.06	0.181	O	|	|	|	|	0.31	339.750	0.00	0.05	0.157	O	|	|	|	|	0.27
334.667	0.00	0.06	0.181	O	|	|	|	|	0.31	339.833	0.00	0.05	0.156	O	|	|	|	|	0.27
334.750	0.00	0.06	0.181	O	|	|	|	|	0.31	339.917	0.00	0.05	0.156	O	|	|	|	|	0.27
334.833	0.00	0.06	0.180	O	|	|	|	|	0.31	340.000	0.00	0.05	0.156	O	|	|	|	|	0.27
334.917	0.00	0.06	0.180	O	|	|	|	|	0.31	340.083	0.00	0.05	0.155	O	|	|	|	|	0.27
335.000	0.00	0.06	0.179	O	|	|	|	|	0.31	340.167	0.00	0.05	0.155	O	|	|	|	|	0.27
335.083	0.00	0.06	0.179	O	|	|	|	|	0.31	340.250	0.00	0.05	0.154	O	|	|	|	|	0.27
335.167	0.00	0.06	0.178	O	|	|	|	|	0.31	340.333	0.00	0.05	0.154	O	|	|	|	|	0.27
335.250	0.00	0.06	0.178	O	|	|	|	|	0.31	340.417	0.00	0.05	0.154	O	|	|	|	|	0.26
335.333	0.00	0.06	0.178	O	|	|	|	|	0.31	340.500	0.00	0.05	0.153	O	|	|	|	|	0.26
335.417	0.00	0.06	0.177	O	|	|	|	|	0.30	340.583	0.00	0.05	0.153	O	|	|	|	|	0.26
335.500	0.00	0.06	0.177	O	|	|	|	|	0.30	340.667	0.00	0.05	0.153	O	|	|	|	|	0.26
335.583	0.00	0.06	0.176	O	|	|	|	|	0.30	340.750	0.00	0.05	0.152	O	|	|	|	|	0.26
335.667	0.00	0.06	0.176	O	|	|	|	|	0.30	340.833	0.00	0.05	0.152	O	|	|	|	|	0.26
335.750	0.00	0.06	0.175	O	|	|	|	|	0.30	340.917	0.00	0.05	0.151	O	|	|	|	|	0.26
335.833	0.00	0.06	0.175	O	|	|	|	|	0.30	341.000	0.00	0.05	0.151	O	|	|	|	|	0.26
335.917	0.00	0.06	0.175	O	|	|	|	|	0.30	341.083	0.00	0.05	0.151	O	|	|	|	|	0.26
336.000	0.00	0.06	0.174	O	|	|	|	|	0.30	341.167	0.00	0.05	0.150	O	|	|	|	|	0.26
336.083	0.00	0.06	0.174	O	|	|	|	|	0.30	341.250	0.00	0.05	0.150	O	|	|	|	|	0.26
336.167	0.00	0.06	0.173	O	|	|	|	|	0.30	341.333	0.00	0.05	0.150	O	|	|	|	|	0.26
336.250	0.00	0.06	0.173	O	|	|	|	|	0.30	341.417	0.00	0.05	0.149	O	|	|	|	|	0.26
336.333	0.00	0.06	0.173	O	|	|	|	|	0.30	341.500	0.00	0.05	0.149	O	|	|	|	|	0.26
336.417	0.00	0.06	0.172	O	|	|	|	|	0.30	341.583	0.00	0.05	0.149	O	|	|	|	|	0.26
336.500	0.00	0.06	0.172	O	|	|	|	|	0.30	341.667	0.00	0.05	0.148	O	|	|	|	|	0.26
336.583	0.00	0.06	0.171	O	|	|	|	|	0.29	341.750	0.00	0.05	0.148	O	|	|	|	|	0.25
336.667	0.00	0.06	0.171	O	|	|	|	|	0.29	341.833	0.00	0.05	0.148	O	|	|	|	|	0.25
336.750	0.00	0.06	0.171	O	|	|	|	|	0.29	341.917	0.00	0.05	0.147	O	|	|	|	|	0.25
336.833	0.00	0.06	0.170	O	|	|	|	|	0.29	342.000	0.00	0.05	0.147	O	|	|	|	|	0.25
336.917	0.00	0.06	0.170	O	|	|	|	|	0.29	342.083	0.00	0.05	0.147	O	|	|	|	|	0.25
337.000	0.00	0.06	0.169	O	|	|	|	|	0.29	342.167	0.00	0.05	0.146	O	|	|	|	|	0.25
337.083	0.00	0.06	0.169	O	|	|	|	|	0.29	342.250	0.00	0.05	0.146	O	|	|	|	|	0.25
337.167	0.00	0.06	0.169	O	|	|	|	|	0.29	342.333	0.00	0.05	0.146	O	|	|	|	|	0.25
337.250	0.00	0.06	0.168	O	|	|	|	|	0.29	342.417	0.00	0.05	0.145	O	|	|	|	|	0.25
337.333	0.00	0.06	0.168	O	|	|	|	|	0.29	342.500	0.00	0.05	0.145	O	|	|	|	|	0.25
337.417	0.00	0.06	0.167	O	|	|	|	|	0.29	342.583	0.00	0.05	0.144	O	|	|	|	|	0.25
337.500	0.00	0.06	0.167	O	|	|	|	|	0.29	342.667	0.00	0.05	0.144	O	|	|	|	|	0.25
337.583	0.00	0.06	0.167	O	|	|	|	|	0.29	342.750	0.00	0.05	0.144	O	|	|	|	|	0.25
337.667	0.00	0.06	0.166	O	|	|	|	|	0.29	342.833	0.00	0.05	0.143	O	|	|	|	|	0.25
337.750	0.00	0.06	0.166	O	|	|	|	|	0.29	342.917	0.00	0.05	0.143	O	|	|	|	|	0.25
337.833	0.00	0.06	0.165	O	|	|	|	|	0.28	343.000	0.00	0.05	0.143	O	|	|	|	|	0.25
337.917	0.00	0.06	0.165	O	|	|	|	|	0.28	343.083	0.00	0.05	0.142	O	|	|	|	|	0.25
338.000	0.00	0.06	0.165	O	|	|	|	|	0.28	343.167	0.00	0.05	0.142	O	|	|	|	|	0.24
338.083	0.00	0.06	0.164	O	|	|	|	|	0.28	343.250	0.00	0.05	0.142	O	|	|	|	|	0.24
338.167	0.00	0.06	0.164	O	|	|	|	|	0.28	343.333	0.00	0.05	0.141	O	|	|	|	|	0.24
338.250	0.00	0.06	0.163	O	|	|	|	|	0.28	343.417	0.00	0.05	0.141	O	|	|	|	|	0.24
338.333	0.00	0.06	0.163	O	|	|	|	|	0.28	343.500	0.00	0.05	0.141	O	|	|	|	|	0.24
338.417	0.00	0.06	0.163	O	|	|	|	|	0.28	343.583	0.00	0.05	0.140	O	|	|	|	|	0.24
338.500	0.00	0.06	0.162	O	|	|	|	|	0.28	343.667	0.00	0.05	0.140	O	|	|	|	|	0.24
338.583	0.00	0.06	0.162	O	|	|	|	|	0.28	343.750	0.00	0.05	0.140	O	|	|	|	|	0.24
338.667	0.00	0.06	0.162	O	|	|	|	|	0.28	343.833	0.00	0.05	0.139	O	|	|	|	|	0.24
338.750	0.00	0.06	0.161	O	|	|	|	|	0.28	343.917	0.00	0.05	0.139	O	|	|	|	|	0.24
338.833	0.00	0.06	0.161	O	|	|	|	|	0.28	344.000	0.00	0.05	0.139	O	|	|	|	|	0.24
338.917	0.00	0.06	0.160	O	|	|	|	|	0.28	344.083	0.00	0.05	0.138	O	|	|	|	|	0.24
339.000	0.00	0.06	0.160	O	|	|	|	|	0.28	344.167	0.00	0.05	0.138	O	|	|	|	|	0.24
339.083	0.00	0.05	0.160	O	|	|	|	|	0.27	344.250	0.00	0.05	0.138	O	|	|	|	|	0.24
339.167	0.00	0.05	0.159	O	|	|	|	|	0.27	344.333	0.00	0.05	0.137	O	|	|	|	|	0.24

344.417	0.00	0.05	0.137	O	|	|	|	|	0.24	349.583	0.00	0.04	0.118	O	|	|	|	|	0.20
344.500	0.00	0.05	0.137	O	|	|	|	|	0.24	349.667	0.00	0.04	0.118	O	|	|	|	|	0.20
344.583	0.00	0.05	0.136	O	|	|	|	|	0.23	349.750	0.00	0.04	0.118	O	|	|	|	|	0.20
344.667	0.00	0.05	0.136	O	|	|	|	|	0.23	349.833	0.00	0.04	0.118	O	|	|	|	|	0.20
344.750	0.00	0.05	0.136	O	|	|	|	|	0.23	349.917	0.00	0.04	0.117	O	|	|	|	|	0.20
344.833	0.00	0.05	0.136	O	|	|	|	|	0.23	350.000	0.00	0.04	0.117	O	|	|	|	|	0.20
344.917	0.00	0.05	0.135	O	|	|	|	|	0.23	350.083	0.00	0.04	0.117	O	|	|	|	|	0.20
345.000	0.00	0.05	0.135	O	|	|	|	|	0.23	350.167	0.00	0.04	0.116	O	|	|	|	|	0.20
345.083	0.00	0.05	0.135	O	|	|	|	|	0.23	350.250	0.00	0.04	0.116	O	|	|	|	|	0.20
345.167	0.00	0.05	0.134	O	|	|	|	|	0.23	350.333	0.00	0.04	0.116	O	|	|	|	|	0.20
345.250	0.00	0.05	0.134	O	|	|	|	|	0.23	350.417	0.00	0.04	0.116	O	|	|	|	|	0.20
345.333	0.00	0.05	0.134	O	|	|	|	|	0.23	350.500	0.00	0.04	0.115	O	|	|	|	|	0.20
345.417	0.00	0.05	0.133	O	|	|	|	|	0.23	350.583	0.00	0.04	0.115	O	|	|	|	|	0.20
345.500	0.00	0.05	0.133	O	|	|	|	|	0.23	350.667	0.00	0.04	0.115	O	|	|	|	|	0.20
345.583	0.00	0.05	0.133	O	|	|	|	|	0.23	350.750	0.00	0.04	0.115	O	|	|	|	|	0.20
345.667	0.00	0.05	0.132	O	|	|	|	|	0.23	350.833	0.00	0.04	0.114	O	|	|	|	|	0.20
345.750	0.00	0.05	0.132	O	|	|	|	|	0.23	350.917	0.00	0.04	0.114	O	|	|	|	|	0.20
345.833	0.00	0.05	0.132	O	|	|	|	|	0.23	351.000	0.00	0.04	0.114	O	|	|	|	|	0.20
345.917	0.00	0.05	0.131	O	|	|	|	|	0.23	351.083	0.00	0.04	0.113	O	|	|	|	|	0.20
346.000	0.00	0.05	0.131	O	|	|	|	|	0.23	351.167	0.00	0.04	0.113	O	|	|	|	|	0.19
346.083	0.00	0.05	0.131	O	|	|	|	|	0.23	351.250	0.00	0.04	0.113	O	|	|	|	|	0.19
346.167	0.00	0.04	0.130	O	|	|	|	|	0.22	351.333	0.00	0.04	0.113	O	|	|	|	|	0.19
346.250	0.00	0.04	0.130	O	|	|	|	|	0.22	351.417	0.00	0.04	0.112	O	|	|	|	|	0.19
346.333	0.00	0.04	0.130	O	|	|	|	|	0.22	351.500	0.00	0.04	0.112	O	|	|	|	|	0.19
346.417	0.00	0.04	0.130	O	|	|	|	|	0.22	351.583	0.00	0.04	0.112	O	|	|	|	|	0.19
346.500	0.00	0.04	0.129	O	|	|	|	|	0.22	351.667	0.00	0.04	0.112	O	|	|	|	|	0.19
346.583	0.00	0.04	0.129	O	|	|	|	|	0.22	351.750	0.00	0.04	0.111	O	|	|	|	|	0.19
346.667	0.00	0.04	0.129	O	|	|	|	|	0.22	351.833	0.00	0.04	0.111	O	|	|	|	|	0.19
346.750	0.00	0.04	0.128	O	|	|	|	|	0.22	351.917	0.00	0.04	0.111	O	|	|	|	|	0.19
346.833	0.00	0.04	0.128	O	|	|	|	|	0.22	352.000	0.00	0.04	0.111	O	|	|	|	|	0.19
346.917	0.00	0.04	0.128	O	|	|	|	|	0.22	352.083	0.00	0.04	0.110	O	|	|	|	|	0.19
347.000	0.00	0.04	0.127	O	|	|	|	|	0.22	352.167	0.00	0.04	0.110	O	|	|	|	|	0.19
347.083	0.00	0.04	0.127	O	|	|	|	|	0.22	352.250	0.00	0.04	0.110	O	|	|	|	|	0.19
347.167	0.00	0.04	0.127	O	|	|	|	|	0.22	352.333	0.00	0.04	0.109	O	|	|	|	|	0.19
347.250	0.00	0.04	0.127	O	|	|	|	|	0.22	352.417	0.00	0.04	0.109	O	|	|	|	|	0.19
347.333	0.00	0.04	0.126	O	|	|	|	|	0.22	352.500	0.00	0.04	0.109	O	|	|	|	|	0.19
347.417	0.00	0.04	0.126	O	|	|	|	|	0.22	352.583	0.00	0.04	0.109	O	|	|	|	|	0.19
347.500	0.00	0.04	0.126	O	|	|	|	|	0.22	352.667	0.00	0.04	0.108	O	|	|	|	|	0.19
347.583	0.00	0.04	0.125	O	|	|	|	|	0.22	352.750	0.00	0.04	0.108	O	|	|	|	|	0.19
347.667	0.00	0.04	0.125	O	|	|	|	|	0.22	352.833	0.00	0.04	0.108	O	|	|	|	|	0.19
347.750	0.00	0.04	0.125	O	|	|	|	|	0.21	352.917	0.00	0.04	0.108	O	|	|	|	|	0.19
347.833	0.00	0.04	0.124	O	|	|	|	|	0.21	353.000	0.00	0.04	0.107	O	|	|	|	|	0.18
347.917	0.00	0.04	0.124	O	|	|	|	|	0.21	353.083	0.00	0.04	0.107	O	|	|	|	|	0.18
348.000	0.00	0.04	0.124	O	|	|	|	|	0.21	353.167	0.00	0.04	0.107	O	|	|	|	|	0.18
348.083	0.00	0.04	0.124	O	|	|	|	|	0.21	353.250	0.00	0.04	0.107	O	|	|	|	|	0.18
348.167	0.00	0.04	0.123	O	|	|	|	|	0.21	353.333	0.00	0.04	0.106	O	|	|	|	|	0.18
348.250	0.00	0.04	0.123	O	|	|	|	|	0.21	353.417	0.00	0.04	0.106	O	|	|	|	|	0.18
348.333	0.00	0.04	0.123	O	|	|	|	|	0.21	353.500	0.00	0.04	0.106	O	|	|	|	|	0.18
348.417	0.00	0.04	0.122	O	|	|	|	|	0.21	353.583	0.00	0.04	0.106	O	|	|	|	|	0.18
348.500	0.00	0.04	0.122	O	|	|	|	|	0.21	353.667	0.00	0.04	0.105	O	|	|	|	|	0.18
348.583	0.00	0.04	0.122	O	|	|	|	|	0.21	353.750	0.00	0.04	0.105	O	|	|	|	|	0.18
348.667	0.00	0.04	0.122	O	|	|	|	|	0.21	353.833	0.00	0.04	0.105	O	|	|	|	|	0.18
348.750	0.00	0.04	0.121	O	|	|	|	|	0.21	353.917	0.00	0.04	0.105	O	|	|	|	|	0.18
348.833	0.00	0.04	0.121	O	|	|	|	|	0.21	354.000	0.00	0.04	0.104	O	|	|	|	|	0.18
348.917	0.00	0.04	0.121	O	|	|	|	|	0.21	354.083	0.00	0.04	0.104	O	|	|	|	|	0.18
349.000	0.00	0.04	0.120	O	|	|	|	|	0.21	354.167	0.00	0.04	0.104	O	|	|	|	|	0.18
349.083	0.00	0.04	0.120	O	|	|	|	|	0.21	354.250	0.00	0.04	0.104	O	|	|	|	|	0.18
349.167	0.00	0.04	0.120	O	|	|	|	|	0.21	354.333	0.00	0.04	0.103	O	|	|	|	|	0.18
349.250	0.00	0.04	0.120	O	|	|	|	|	0.21	354.417	0.00	0.04	0.103	O	|	|	|	|	0.18
349.333	0.00	0.04	0.119	O	|	|	|	|	0.21	354.500	0.00	0.04	0.103	O	|	|	|	|	0.18
349.417	0.00	0.04	0.119	O	|	|	|	|	0.20	354.583	0.00	0.04	0.103	O	|	|	|	|	0.18
349.500	0.00	0.04	0.119	O	|	|	|	|	0.20	354.667	0.00	0.04	0.102	O	|	|	|	|	0.18

354.750	0.00	0.04	0.102	O	|	|	|	|	0.18	359.917	0.00	0.03	0.088	O	|	|	|	|	0.15
354.833	0.00	0.04	0.102	O	|	|	|	|	0.18	360.000	0.00	0.03	0.088	O	|	|	|	|	0.15
354.917	0.00	0.04	0.102	O	|	|	|	|	0.18	360.083	0.00	0.03	0.088	O	|	|	|	|	0.15
355.000	0.00	0.03	0.101	O	|	|	|	|	0.17	360.167	0.00	0.03	0.088	O	|	|	|	|	0.15
355.083	0.00	0.03	0.101	O	|	|	|	|	0.17	360.250	0.00	0.03	0.087	O	|	|	|	|	0.15
355.167	0.00	0.03	0.101	O	|	|	|	|	0.17	360.333	0.00	0.03	0.087	O	|	|	|	|	0.15
355.250	0.00	0.03	0.101	O	|	|	|	|	0.17	360.417	0.00	0.03	0.087	O	|	|	|	|	0.15
355.333	0.00	0.03	0.101	O	|	|	|	|	0.17	360.500	0.00	0.03	0.087	O	|	|	|	|	0.15
355.417	0.00	0.03	0.100	O	|	|	|	|	0.17	360.583	0.00	0.03	0.087	O	|	|	|	|	0.15
355.500	0.00	0.03	0.100	O	|	|	|	|	0.17	360.667	0.00	0.03	0.086	O	|	|	|	|	0.15
355.583	0.00	0.03	0.100	O	|	|	|	|	0.17	360.750	0.00	0.03	0.086	O	|	|	|	|	0.15
355.667	0.00	0.03	0.100	O	|	|	|	|	0.17	360.833	0.00	0.03	0.086	O	|	|	|	|	0.15
355.750	0.00	0.03	0.099	O	|	|	|	|	0.17	360.917	0.00	0.03	0.086	O	|	|	|	|	0.15
355.833	0.00	0.03	0.099	O	|	|	|	|	0.17	361.000	0.00	0.03	0.086	O	|	|	|	|	0.15
355.917	0.00	0.03	0.099	O	|	|	|	|	0.17	361.083	0.00	0.03	0.085	O	|	|	|	|	0.15
356.000	0.00	0.03	0.099	O	|	|	|	|	0.17	361.167	0.00	0.03	0.085	O	|	|	|	|	0.15
356.083	0.00	0.03	0.098	O	|	|	|	|	0.17	361.250	0.00	0.03	0.085	O	|	|	|	|	0.15
356.167	0.00	0.03	0.098	O	|	|	|	|	0.17	361.333	0.00	0.03	0.085	O	|	|	|	|	0.15
356.250	0.00	0.03	0.098	O	|	|	|	|	0.17	361.417	0.00	0.03	0.085	O	|	|	|	|	0.15
356.333	0.00	0.03	0.098	O	|	|	|	|	0.17	361.500	0.00	0.03	0.084	O	|	|	|	|	0.15
356.417	0.00	0.03	0.097	O	|	|	|	|	0.17	361.583	0.00	0.03	0.084	O	|	|	|	|	0.14
356.500	0.00	0.03	0.097	O	|	|	|	|	0.17	361.667	0.00	0.03	0.084	O	|	|	|	|	0.14
356.583	0.00	0.03	0.097	O	|	|	|	|	0.17	361.750	0.00	0.03	0.084	O	|	|	|	|	0.14
356.667	0.00	0.03	0.097	O	|	|	|	|	0.17	361.833	0.00	0.03	0.084	O	|	|	|	|	0.14
356.750	0.00	0.03	0.097	O	|	|	|	|	0.17	361.917	0.00	0.03	0.083	O	|	|	|	|	0.14
356.833	0.00	0.03	0.096	O	|	|	|	|	0.17	362.000	0.00	0.03	0.083	O	|	|	|	|	0.14
356.917	0.00	0.03	0.096	O	|	|	|	|	0.17	362.083	0.00	0.03	0.083	O	|	|	|	|	0.14
357.000	0.00	0.03	0.096	O	|	|	|	|	0.17	362.167	0.00	0.03	0.083	O	|	|	|	|	0.14
357.083	0.00	0.03	0.096	O	|	|	|	|	0.16	362.250	0.00	0.03	0.083	O	|	|	|	|	0.14
357.167	0.00	0.03	0.095	O	|	|	|	|	0.16	362.333	0.00	0.03	0.082	O	|	|	|	|	0.14
357.250	0.00	0.03	0.095	O	|	|	|	|	0.16	362.417	0.00	0.03	0.082	O	|	|	|	|	0.14
357.333	0.00	0.03	0.095	O	|	|	|	|	0.16	362.500	0.00	0.03	0.082	O	|	|	|	|	0.14
357.417	0.00	0.03	0.095	O	|	|	|	|	0.16	362.583	0.00	0.03	0.082	O	|	|	|	|	0.14
357.500	0.00	0.03	0.095	O	|	|	|	|	0.16	362.667	0.00	0.03	0.082	O	|	|	|	|	0.14
357.583	0.00	0.03	0.094	O	|	|	|	|	0.16	362.750	0.00	0.03	0.081	O	|	|	|	|	0.14
357.667	0.00	0.03	0.094	O	|	|	|	|	0.16	362.833	0.00	0.03	0.081	O	|	|	|	|	0.14
357.750	0.00	0.03	0.094	O	|	|	|	|	0.16	362.917	0.00	0.03	0.081	O	|	|	|	|	0.14
357.833	0.00	0.03	0.094	O	|	|	|	|	0.16	363.000	0.00	0.03	0.081	O	|	|	|	|	0.14
357.917	0.00	0.03	0.093	O	|	|	|	|	0.16	363.083	0.00	0.03	0.081	O	|	|	|	|	0.14
358.000	0.00	0.03	0.093	O	|	|	|	|	0.16	363.167	0.00	0.03	0.080	O	|	|	|	|	0.14
358.083	0.00	0.03	0.093	O	|	|	|	|	0.16	363.250	0.00	0.03	0.080	O	|	|	|	|	0.14
358.167	0.00	0.03	0.093	O	|	|	|	|	0.16	363.333	0.00	0.03	0.080	O	|	|	|	|	0.14
358.250	0.00	0.03	0.093	O	|	|	|	|	0.16	363.417	0.00	0.03	0.080	O	|	|	|	|	0.14
358.333	0.00	0.03	0.092	O	|	|	|	|	0.16	363.500	0.00	0.03	0.080	O	|	|	|	|	0.14
358.417	0.00	0.03	0.092	O	|	|	|	|	0.16	363.583	0.00	0.03	0.079	O	|	|	|	|	0.14
358.500	0.00	0.03	0.092	O	|	|	|	|	0.16	363.667	0.00	0.03	0.079	O	|	|	|	|	0.14
358.583	0.00	0.03	0.092	O	|	|	|	|	0.16	363.750	0.00	0.03	0.079	O	|	|	|	|	0.14
358.667	0.00	0.03	0.091	O	|	|	|	|	0.16	363.833	0.00	0.03	0.079	O	|	|	|	|	0.14
358.750	0.00	0.03	0.091	O	|	|	|	|	0.16	363.917	0.00	0.03	0.079	O	|	|	|	|	0.14
358.833	0.00	0.03	0.091	O	|	|	|	|	0.16	364.000	0.00	0.03	0.079	O	|	|	|	|	0.14
358.917	0.00	0.03	0.091	O	|	|	|	|	0.16	364.083	0.00	0.03	0.078	O	|	|	|	|	0.13
359.000	0.00	0.03	0.091	O	|	|	|	|	0.16	364.167	0.00	0.03	0.078	O	|	|	|	|	0.13
359.083	0.00	0.03	0.090	O	|	|	|	|	0.16	364.250	0.00	0.03	0.078	O	|	|	|	|	0.13
359.167	0.00	0.03	0.090	O	|	|	|	|	0.16	364.333	0.00	0.03	0.078	O	|	|	|	|	0.13
359.250	0.00	0.03	0.090	O	|	|	|	|	0.15	364.417	0.00	0.03	0.078	O	|	|	|	|	0.13
359.333	0.00	0.03	0.090	O	|	|	|	|	0.15	364.500	0.00	0.03	0.077	O	|	|	|	|	0.13
359.417	0.00	0.03	0.090	O	|	|	|	|	0.15	364.583	0.00	0.03	0.077	O	|	|	|	|	0.13
359.500	0.00	0.03	0.089	O	|	|	|	|	0.15	364.667	0.00	0.03	0.077	O	|	|	|	|	0.13
359.583	0.00	0.03	0.089	O	|	|	|	|	0.15	364.750	0.00	0.03	0.077	O	|	|	|	|	0.13
359.667	0.00	0.03	0.089	O	|	|	|	|	0.15	364.833	0.00	0.03	0.077	O	|	|	|	|	0.13
359.750	0.00	0.03	0.089	O	|	|	|	|	0.15	364.917	0.00	0.03	0.077	O	|	|	|	|	0.13
359.833	0.00	0.03	0.088	O	|	|	|	|	0.15	365.000	0.00	0.03	0.076	O	|	|	|	|	0.13

365.083	0.00	0.03	0.076	O					0.13	370.250	0.00	0.02	0.066	O					0.11
365.167	0.00	0.03	0.076	O					0.13	370.333	0.00	0.02	0.066	O					0.11
365.250	0.00	0.03	0.076	O					0.13	370.417	0.00	0.02	0.065	O					0.11
365.333	0.00	0.03	0.076	O					0.13	370.500	0.00	0.02	0.065	O					0.11
365.417	0.00	0.03	0.075	O					0.13	370.583	0.00	0.02	0.065	O					0.11
365.500	0.00	0.03	0.075	O					0.13	370.667	0.00	0.02	0.065	O					0.11
365.583	0.00	0.03	0.075	O					0.13	370.750	0.00	0.02	0.065	O					0.11
365.667	0.00	0.03	0.075	O					0.13	370.833	0.00	0.02	0.065	O					0.11
365.750	0.00	0.03	0.075	O					0.13	370.917	0.00	0.02	0.065	O					0.11
365.833	0.00	0.03	0.075	O					0.13	371.000	0.00	0.02	0.064	O					0.11
365.917	0.00	0.03	0.074	O					0.13	371.083	0.00	0.02	0.064	O					0.11
366.000	0.00	0.03	0.074	O					0.13	371.167	0.00	0.02	0.064	O					0.11
366.083	0.00	0.03	0.074	O					0.13	371.250	0.00	0.02	0.064	O					0.11
366.167	0.00	0.03	0.074	O					0.13	371.333	0.00	0.02	0.064	O					0.11
366.250	0.00	0.03	0.074	O					0.13	371.417	0.00	0.02	0.064	O					0.11
366.333	0.00	0.03	0.074	O					0.13	371.500	0.00	0.02	0.063	O					0.11
366.417	0.00	0.03	0.073	O					0.13	371.583	0.00	0.02	0.063	O					0.11
366.500	0.00	0.03	0.073	O					0.13	371.667	0.00	0.02	0.063	O					0.11
366.583	0.00	0.03	0.073	O					0.13	371.750	0.00	0.02	0.063	O					0.11
366.667	0.00	0.03	0.073	O					0.13	371.833	0.00	0.02	0.063	O					0.11
366.750	0.00	0.03	0.073	O					0.13	371.917	0.00	0.02	0.063	O					0.11
366.833	0.00	0.02	0.072	O					0.12	372.000	0.00	0.02	0.063	O					0.11
366.917	0.00	0.02	0.072	O					0.12	372.083	0.00	0.02	0.062	O					0.11
367.000	0.00	0.02	0.072	O					0.12	372.167	0.00	0.02	0.062	O					0.11
367.083	0.00	0.02	0.072	O					0.12	372.250	0.00	0.02	0.062	O					0.11
367.167	0.00	0.02	0.072	O					0.12	372.333	0.00	0.02	0.062	O					0.11
367.250	0.00	0.02	0.072	O					0.12	372.417	0.00	0.02	0.062	O					0.11
367.333	0.00	0.02	0.071	O					0.12	372.500	0.00	0.02	0.062	O					0.11
367.417	0.00	0.02	0.071	O					0.12	372.583	0.00	0.02	0.062	O					0.11
367.500	0.00	0.02	0.071	O					0.12	372.667	0.00	0.02	0.061	O					0.11
367.583	0.00	0.02	0.071	O					0.12	372.750	0.00	0.02	0.061	O					0.11
367.667	0.00	0.02	0.071	O					0.12	372.833	0.00	0.02	0.061	O					0.11
367.750	0.00	0.02	0.071	O					0.12	372.917	0.00	0.02	0.061	O					0.10
367.833	0.00	0.02	0.070	O					0.12	373.000	0.00	0.02	0.061	O					0.10
367.917	0.00	0.02	0.070	O					0.12	373.083	0.00	0.02	0.061	O					0.10
368.000	0.00	0.02	0.070	O					0.12	373.167	0.00	0.02	0.061	O					0.10
368.083	0.00	0.02	0.070	O					0.12	373.250	0.00	0.02	0.060	O					0.10
368.167	0.00	0.02	0.070	O					0.12	373.333	0.00	0.02	0.060	O					0.10
368.250	0.00	0.02	0.070	O					0.12	373.417	0.00	0.02	0.060	O					0.10
368.333	0.00	0.02	0.069	O					0.12	373.500	0.00	0.02	0.060	O					0.10
368.417	0.00	0.02	0.069	O					0.12	373.583	0.00	0.02	0.060	O					0.10
368.500	0.00	0.02	0.069	O					0.12	373.667	0.00	0.02	0.060	O					0.10
368.583	0.00	0.02	0.069	O					0.12	373.750	0.00	0.02	0.060	O					0.10
368.667	0.00	0.02	0.069	O					0.12	373.833	0.00	0.02	0.059	O					0.10
368.750	0.00	0.02	0.069	O					0.12	373.917	0.00	0.02	0.059	O					0.10
368.833	0.00	0.02	0.068	O					0.12	374.000	0.00	0.02	0.059	O					0.10
368.917	0.00	0.02	0.068	O					0.12	374.083	0.00	0.02	0.059	O					0.10
369.000	0.00	0.02	0.068	O					0.12	374.167	0.00	0.02	0.059	O					0.10
369.083	0.00	0.02	0.068	O					0.12	374.250	0.00	0.02	0.059	O					0.10
369.167	0.00	0.02	0.068	O					0.12	374.333	0.00	0.02	0.059	O					0.10
369.250	0.00	0.02	0.068	O					0.12	374.417	0.00	0.02	0.058	O					0.10
369.333	0.00	0.02	0.068	O					0.12	374.500	0.00	0.02	0.058	O					0.10
369.417	0.00	0.02	0.067	O					0.12	374.583	0.00	0.02	0.058	O					0.10
369.500	0.00	0.02	0.067	O					0.12	374.667	0.00	0.02	0.058	O					0.10
369.583	0.00	0.02	0.067	O					0.12	374.750	0.00	0.02	0.058	O					0.10
369.667	0.00	0.02	0.067	O					0.12	374.833	0.00	0.02	0.058	O					0.10
369.750	0.00	0.02	0.067	O					0.11	374.917	0.00	0.02	0.058	O					0.10
369.833	0.00	0.02	0.067	O					0.11	375.000	0.00	0.02	0.057	O					0.10
369.917	0.00	0.02	0.066	O					0.11	375.083	0.00	0.02	0.057	O					0.10
370.000	0.00	0.02	0.066	O					0.11	375.167	0.00	0.02	0.057	O					0.10
370.083	0.00	0.02	0.066	O					0.11	375.250	0.00	0.02	0.057	O					0.10
370.167	0.00	0.02	0.066	O					0.11	375.333	0.00	0.02	0.057	O					0.10

375.417	0.00	0.02	0.057	O	|	|	|	|	0.10	380.583	0.00	0.02	0.049	O	|	|	|	|	0.08
375.500	0.00	0.02	0.057	O	|	|	|	|	0.10	380.667	0.00	0.02	0.049	O	|	|	|	|	0.08
375.583	0.00	0.02	0.057	O	|	|	|	|	0.10	380.750	0.00	0.02	0.049	O	|	|	|	|	0.08
375.667	0.00	0.02	0.056	O	|	|	|	|	0.10	380.833	0.00	0.02	0.049	O	|	|	|	|	0.08
375.750	0.00	0.02	0.056	O	|	|	|	|	0.10	380.917	0.00	0.02	0.049	O	|	|	|	|	0.08
375.833	0.00	0.02	0.056	O	|	|	|	|	0.10	381.000	0.00	0.02	0.048	O	|	|	|	|	0.08
375.917	0.00	0.02	0.056	O	|	|	|	|	0.10	381.083	0.00	0.02	0.048	O	|	|	|	|	0.08
376.000	0.00	0.02	0.056	O	|	|	|	|	0.10	381.167	0.00	0.02	0.048	O	|	|	|	|	0.08
376.083	0.00	0.02	0.056	O	|	|	|	|	0.10	381.250	0.00	0.02	0.048	O	|	|	|	|	0.08
376.167	0.00	0.02	0.056	O	|	|	|	|	0.10	381.333	0.00	0.02	0.048	O	|	|	|	|	0.08
376.250	0.00	0.02	0.055	O	|	|	|	|	0.10	381.417	0.00	0.02	0.048	O	|	|	|	|	0.08
376.333	0.00	0.02	0.055	O	|	|	|	|	0.10	381.500	0.00	0.02	0.048	O	|	|	|	|	0.08
376.417	0.00	0.02	0.055	O	|	|	|	|	0.09	381.583	0.00	0.02	0.048	O	|	|	|	|	0.08
376.500	0.00	0.02	0.055	O	|	|	|	|	0.09	381.667	0.00	0.02	0.048	O	|	|	|	|	0.08
376.583	0.00	0.02	0.055	O	|	|	|	|	0.09	381.750	0.00	0.02	0.047	O	|	|	|	|	0.08
376.667	0.00	0.02	0.055	O	|	|	|	|	0.09	381.833	0.00	0.02	0.047	O	|	|	|	|	0.08
376.750	0.00	0.02	0.055	O	|	|	|	|	0.09	381.917	0.00	0.02	0.047	O	|	|	|	|	0.08
376.833	0.00	0.02	0.055	O	|	|	|	|	0.09	382.000	0.00	0.02	0.047	O	|	|	|	|	0.08
376.917	0.00	0.02	0.054	O	|	|	|	|	0.09	382.083	0.00	0.02	0.047	O	|	|	|	|	0.08
377.000	0.00	0.02	0.054	O	|	|	|	|	0.09	382.167	0.00	0.02	0.047	O	|	|	|	|	0.08
377.083	0.00	0.02	0.054	O	|	|	|	|	0.09	382.250	0.00	0.02	0.047	O	|	|	|	|	0.08
377.167	0.00	0.02	0.054	O	|	|	|	|	0.09	382.333	0.00	0.02	0.047	O	|	|	|	|	0.08
377.250	0.00	0.02	0.054	O	|	|	|	|	0.09	382.417	0.00	0.02	0.047	O	|	|	|	|	0.08
377.333	0.00	0.02	0.054	O	|	|	|	|	0.09	382.500	0.00	0.02	0.046	O	|	|	|	|	0.08
377.417	0.00	0.02	0.054	O	|	|	|	|	0.09	382.583	0.00	0.02	0.046	O	|	|	|	|	0.08
377.500	0.00	0.02	0.054	O	|	|	|	|	0.09	382.667	0.00	0.02	0.046	O	|	|	|	|	0.08
377.583	0.00	0.02	0.053	O	|	|	|	|	0.09	382.750	0.00	0.02	0.046	O	|	|	|	|	0.08
377.667	0.00	0.02	0.053	O	|	|	|	|	0.09	382.833	0.00	0.02	0.046	O	|	|	|	|	0.08
377.750	0.00	0.02	0.053	O	|	|	|	|	0.09	382.917	0.00	0.02	0.046	O	|	|	|	|	0.08
377.833	0.00	0.02	0.053	O	|	|	|	|	0.09	383.000	0.00	0.02	0.046	O	|	|	|	|	0.08
377.917	0.00	0.02	0.053	O	|	|	|	|	0.09	383.083	0.00	0.02	0.046	O	|	|	|	|	0.08
378.000	0.00	0.02	0.053	O	|	|	|	|	0.09	383.167	0.00	0.02	0.046	O	|	|	|	|	0.08
378.083	0.00	0.02	0.053	O	|	|	|	|	0.09	383.250	0.00	0.02	0.045	O	|	|	|	|	0.08
378.167	0.00	0.02	0.053	O	|	|	|	|	0.09	383.333	0.00	0.02	0.045	O	|	|	|	|	0.08
378.250	0.00	0.02	0.052	O	|	|	|	|	0.09	383.417	0.00	0.02	0.045	O	|	|	|	|	0.08
378.333	0.00	0.02	0.052	O	|	|	|	|	0.09	383.500	0.00	0.02	0.045	O	|	|	|	|	0.08
378.417	0.00	0.02	0.052	O	|	|	|	|	0.09	383.583	0.00	0.02	0.045	O	|	|	|	|	0.08
378.500	0.00	0.02	0.052	O	|	|	|	|	0.09	383.667	0.00	0.02	0.045	O	|	|	|	|	0.08
378.583	0.00	0.02	0.052	O	|	|	|	|	0.09	383.750	0.00	0.02	0.045	O	|	|	|	|	0.08
378.667	0.00	0.02	0.052	O	|	|	|	|	0.09	383.833	0.00	0.02	0.045	O	|	|	|	|	0.08
378.750	0.00	0.02	0.052	O	|	|	|	|	0.09	383.917	0.00	0.02	0.045	O	|	|	|	|	0.08
378.833	0.00	0.02	0.052	O	|	|	|	|	0.09	384.000	0.00	0.02	0.044	O	|	|	|	|	0.08
378.917	0.00	0.02	0.051	O	|	|	|	|	0.09	384.083	0.00	0.02	0.044	O	|	|	|	|	0.08
379.000	0.00	0.02	0.051	O	|	|	|	|	0.09	384.167	0.00	0.02	0.044	O	|	|	|	|	0.08
379.083	0.00	0.02	0.051	O	|	|	|	|	0.09	384.250	0.00	0.02	0.044	O	|	|	|	|	0.08
379.167	0.00	0.02	0.051	O	|	|	|	|	0.09	384.333	0.00	0.02	0.044	O	|	|	|	|	0.08
379.250	0.00	0.02	0.051	O	|	|	|	|	0.09	384.417	0.00	0.02	0.044	O	|	|	|	|	0.08
379.333	0.00	0.02	0.051	O	|	|	|	|	0.09	384.500	0.00	0.02	0.044	O	|	|	|	|	0.08
379.417	0.00	0.02	0.051	O	|	|	|	|	0.09	384.583	0.00	0.02	0.044	O	|	|	|	|	0.08
379.500	0.00	0.02	0.051	O	|	|	|	|	0.09	384.667	0.00	0.02	0.044	O	|	|	|	|	0.08
379.583	0.00	0.02	0.050	O	|	|	|	|	0.09	384.750	0.00	0.01	0.044	O	|	|	|	|	0.07
379.667	0.00	0.02	0.050	O	|	|	|	|	0.09	384.833	0.00	0.01	0.043	O	|	|	|	|	0.07
379.750	0.00	0.02	0.050	O	|	|	|	|	0.09	384.917	0.00	0.01	0.043	O	|	|	|	|	0.07
379.833	0.00	0.02	0.050	O	|	|	|	|	0.09	385.000	0.00	0.01	0.043	O	|	|	|	|	0.07
379.917	0.00	0.02	0.050	O	|	|	|	|	0.09	385.083	0.00	0.01	0.043	O	|	|	|	|	0.07
380.000	0.00	0.02	0.050	O	|	|	|	|	0.09	385.167	0.00	0.01	0.043	O	|	|	|	|	0.07
380.083	0.00	0.02	0.050	O	|	|	|	|	0.09	385.250	0.00	0.01	0.043	O	|	|	|	|	0.07
380.167	0.00	0.02	0.050	O	|	|	|	|	0.09	385.333	0.00	0.01	0.043	O	|	|	|	|	0.07
380.250	0.00	0.02	0.049	O	|	|	|	|	0.09	385.417	0.00	0.01	0.043	O	|	|	|	|	0.07
380.333	0.00	0.02	0.049	O	|	|	|	|	0.08	385.500	0.00	0.01	0.043	O	|	|	|	|	0.07
380.417	0.00	0.02	0.049	O	|	|	|	|	0.08	385.583	0.00	0.01	0.043	O	|	|	|	|	0.07
380.500	0.00	0.02	0.049	O	|	|	|	|	0.08	385.667	0.00	0.01	0.042	O	|	|	|	|	0.07

385.750	0.00	0.01	0.042	O	|	|	|	|	0.07	390.917	0.00	0.01	0.037	O	|	|	|	|	0.06
385.833	0.00	0.01	0.042	O	|	|	|	|	0.07	391.000	0.00	0.01	0.036	O	|	|	|	|	0.06
385.917	0.00	0.01	0.042	O	|	|	|	|	0.07	391.083	0.00	0.01	0.036	O	|	|	|	|	0.06
386.000	0.00	0.01	0.042	O	|	|	|	|	0.07	391.167	0.00	0.01	0.036	O	|	|	|	|	0.06
386.083	0.00	0.01	0.042	O	|	|	|	|	0.07	391.250	0.00	0.01	0.036	O	|	|	|	|	0.06
386.167	0.00	0.01	0.042	O	|	|	|	|	0.07	391.333	0.00	0.01	0.036	O	|	|	|	|	0.06
386.250	0.00	0.01	0.042	O	|	|	|	|	0.07	391.417	0.00	0.01	0.036	O	|	|	|	|	0.06
386.333	0.00	0.01	0.042	O	|	|	|	|	0.07	391.500	0.00	0.01	0.036	O	|	|	|	|	0.06
386.417	0.00	0.01	0.042	O	|	|	|	|	0.07	391.583	0.00	0.01	0.036	O	|	|	|	|	0.06
386.500	0.00	0.01	0.041	O	|	|	|	|	0.07	391.667	0.00	0.01	0.036	O	|	|	|	|	0.06
386.583	0.00	0.01	0.041	O	|	|	|	|	0.07	391.750	0.00	0.01	0.036	O	|	|	|	|	0.06
386.667	0.00	0.01	0.041	O	|	|	|	|	0.07	391.833	0.00	0.01	0.036	O	|	|	|	|	0.06
386.750	0.00	0.01	0.041	O	|	|	|	|	0.07	391.917	0.00	0.01	0.036	O	|	|	|	|	0.06
386.833	0.00	0.01	0.041	O	|	|	|	|	0.07	392.000	0.00	0.01	0.035	O	|	|	|	|	0.06
386.917	0.00	0.01	0.041	O	|	|	|	|	0.07	392.083	0.00	0.01	0.035	O	|	|	|	|	0.06
387.000	0.00	0.01	0.041	O	|	|	|	|	0.07	392.167	0.00	0.01	0.035	O	|	|	|	|	0.06
387.083	0.00	0.01	0.041	O	|	|	|	|	0.07	392.250	0.00	0.01	0.035	O	|	|	|	|	0.06
387.167	0.00	0.01	0.041	O	|	|	|	|	0.07	392.333	0.00	0.01	0.035	O	|	|	|	|	0.06
387.250	0.00	0.01	0.041	O	|	|	|	|	0.07	392.417	0.00	0.01	0.035	O	|	|	|	|	0.06
387.333	0.00	0.01	0.040	O	|	|	|	|	0.07	392.500	0.00	0.01	0.035	O	|	|	|	|	0.06
387.417	0.00	0.01	0.040	O	|	|	|	|	0.07	392.583	0.00	0.01	0.035	O	|	|	|	|	0.06
387.500	0.00	0.01	0.040	O	|	|	|	|	0.07	392.667	0.00	0.01	0.035	O	|	|	|	|	0.06
387.583	0.00	0.01	0.040	O	|	|	|	|	0.07	392.750	0.00	0.01	0.035	O	|	|	|	|	0.06
387.667	0.00	0.01	0.040	O	|	|	|	|	0.07	392.833	0.00	0.01	0.035	O	|	|	|	|	0.06
387.750	0.00	0.01	0.040	O	|	|	|	|	0.07	392.917	0.00	0.01	0.035	O	|	|	|	|	0.06
387.833	0.00	0.01	0.040	O	|	|	|	|	0.07	393.000	0.00	0.01	0.034	O	|	|	|	|	0.06
387.917	0.00	0.01	0.040	O	|	|	|	|	0.07	393.083	0.00	0.01	0.034	O	|	|	|	|	0.06
388.000	0.00	0.01	0.040	O	|	|	|	|	0.07	393.167	0.00	0.01	0.034	O	|	|	|	|	0.06
388.083	0.00	0.01	0.040	O	|	|	|	|	0.07	393.250	0.00	0.01	0.034	O	|	|	|	|	0.06
388.167	0.00	0.01	0.040	O	|	|	|	|	0.07	393.333	0.00	0.01	0.034	O	|	|	|	|	0.06
388.250	0.00	0.01	0.039	O	|	|	|	|	0.07	393.417	0.00	0.01	0.034	O	|	|	|	|	0.06
388.333	0.00	0.01	0.039	O	|	|	|	|	0.07	393.500	0.00	0.01	0.034	O	|	|	|	|	0.06
388.417	0.00	0.01	0.039	O	|	|	|	|	0.07	393.583	0.00	0.01	0.034	O	|	|	|	|	0.06
388.500	0.00	0.01	0.039	O	|	|	|	|	0.07	393.667	0.00	0.01	0.034	O	|	|	|	|	0.06
388.583	0.00	0.01	0.039	O	|	|	|	|	0.07	393.750	0.00	0.01	0.034	O	|	|	|	|	0.06
388.667	0.00	0.01	0.039	O	|	|	|	|	0.07	393.833	0.00	0.01	0.034	O	|	|	|	|	0.06
388.750	0.00	0.01	0.039	O	|	|	|	|	0.07	393.917	0.00	0.01	0.034	O	|	|	|	|	0.06
388.833	0.00	0.01	0.039	O	|	|	|	|	0.07	394.000	0.00	0.01	0.033	O	|	|	|	|	0.06
388.917	0.00	0.01	0.039	O	|	|	|	|	0.07	394.083	0.00	0.01	0.033	O	|	|	|	|	0.06
389.000	0.00	0.01	0.039	O	|	|	|	|	0.07	394.167	0.00	0.01	0.033	O	|	|	|	|	0.06
389.083	0.00	0.01	0.038	O	|	|	|	|	0.07	394.250	0.00	0.01	0.033	O	|	|	|	|	0.06
389.167	0.00	0.01	0.038	O	|	|	|	|	0.07	394.333	0.00	0.01	0.033	O	|	|	|	|	0.06
389.250	0.00	0.01	0.038	O	|	|	|	|	0.07	394.417	0.00	0.01	0.033	O	|	|	|	|	0.06
389.333	0.00	0.01	0.038	O	|	|	|	|	0.07	394.500	0.00	0.01	0.033	O	|	|	|	|	0.06
389.417	0.00	0.01	0.038	O	|	|	|	|	0.07	394.583	0.00	0.01	0.033	O	|	|	|	|	0.06
389.500	0.00	0.01	0.038	O	|	|	|	|	0.07	394.667	0.00	0.01	0.033	O	|	|	|	|	0.06
389.583	0.00	0.01	0.038	O	|	|	|	|	0.07	394.750	0.00	0.01	0.033	O	|	|	|	|	0.06
389.667	0.00	0.01	0.038	O	|	|	|	|	0.07	394.833	0.00	0.01	0.033	O	|	|	|	|	0.06
389.750	0.00	0.01	0.038	O	|	|	|	|	0.06	394.917	0.00	0.01	0.033	O	|	|	|	|	0.06
389.833	0.00	0.01	0.038	O	|	|	|	|	0.06	395.000	0.00	0.01	0.033	O	|	|	|	|	0.06
389.917	0.00	0.01	0.038	O	|	|	|	|	0.06	395.083	0.00	0.01	0.032	O	|	|	|	|	0.06
390.000	0.00	0.01	0.037	O	|	|	|	|	0.06	395.167	0.00	0.01	0.032	O	|	|	|	|	0.06
390.083	0.00	0.01	0.037	O	|	|	|	|	0.06	395.250	0.00	0.01	0.032	O	|	|	|	|	0.06
390.167	0.00	0.01	0.037	O	|	|	|	|	0.06	395.333	0.00	0.01	0.032	O	|	|	|	|	0.06
390.250	0.00	0.01	0.037	O	|	|	|	|	0.06	395.417	0.00	0.01	0.032	O	|	|	|	|	0.06
390.333	0.00	0.01	0.037	O	|	|	|	|	0.06	395.500	0.00	0.01	0.032	O	|	|	|	|	0.06
390.417	0.00	0.01	0.037	O	|	|	|	|	0.06	395.583	0.00	0.01	0.032	O	|	|	|	|	0.06
390.500	0.00	0.01	0.037	O	|	|	|	|	0.06	395.667	0.00	0.01	0.032	O	|	|	|	|	0.05
390.583	0.00	0.01	0.037	O	|	|	|	|	0.06	395.750	0.00	0.01	0.032	O	|	|	|	|	0.05
390.667	0.00	0.01	0.037	O	|	|	|	|	0.06	395.833	0.00	0.01	0.032	O	|	|	|	|	0.05
390.750	0.00	0.01	0.037	O	|	|	|	|	0.06	395.917	0.00	0.01	0.032	O	|	|	|	|	0.05
390.833	0.00	0.01	0.037	O	|	|	|	|	0.06	396.000	0.00	0.01	0.032	O	|	|	|	|	0.05

396.083	0.00	0.01	0.032	O	|	|	|	|	0.05	401.250	0.00	0.01	0.027	O	|	|	|	|	0.05
396.167	0.00	0.01	0.031	O	|	|	|	|	0.05	401.333	0.00	0.01	0.027	O	|	|	|	|	0.05
396.250	0.00	0.01	0.031	O	|	|	|	|	0.05	401.417	0.00	0.01	0.027	O	|	|	|	|	0.05
396.333	0.00	0.01	0.031	O	|	|	|	|	0.05	401.500	0.00	0.01	0.027	O	|	|	|	|	0.05
396.417	0.00	0.01	0.031	O	|	|	|	|	0.05	401.583	0.00	0.01	0.027	O	|	|	|	|	0.05
396.500	0.00	0.01	0.031	O	|	|	|	|	0.05	401.667	0.00	0.01	0.027	O	|	|	|	|	0.05
396.583	0.00	0.01	0.031	O	|	|	|	|	0.05	401.750	0.00	0.01	0.027	O	|	|	|	|	0.05
396.667	0.00	0.01	0.031	O	|	|	|	|	0.05	401.833	0.00	0.01	0.027	O	|	|	|	|	0.05
396.750	0.00	0.01	0.031	O	|	|	|	|	0.05	401.917	0.00	0.01	0.027	O	|	|	|	|	0.05
396.833	0.00	0.01	0.031	O	|	|	|	|	0.05	402.000	0.00	0.01	0.027	O	|	|	|	|	0.05
396.917	0.00	0.01	0.031	O	|	|	|	|	0.05	402.083	0.00	0.01	0.027	O	|	|	|	|	0.05
397.000	0.00	0.01	0.031	O	|	|	|	|	0.05	402.167	0.00	0.01	0.027	O	|	|	|	|	0.05
397.083	0.00	0.01	0.031	O	|	|	|	|	0.05	402.250	0.00	0.01	0.026	O	|	|	|	|	0.05
397.167	0.00	0.01	0.031	O	|	|	|	|	0.05	402.333	0.00	0.01	0.026	O	|	|	|	|	0.05
397.250	0.00	0.01	0.031	O	|	|	|	|	0.05	402.417	0.00	0.01	0.026	O	|	|	|	|	0.05
397.333	0.00	0.01	0.030	O	|	|	|	|	0.05	402.500	0.00	0.01	0.026	O	|	|	|	|	0.05
397.417	0.00	0.01	0.030	O	|	|	|	|	0.05	402.583	0.00	0.01	0.026	O	|	|	|	|	0.05
397.500	0.00	0.01	0.030	O	|	|	|	|	0.05	402.667	0.00	0.01	0.026	O	|	|	|	|	0.05
397.583	0.00	0.01	0.030	O	|	|	|	|	0.05	402.750	0.00	0.01	0.026	O	|	|	|	|	0.04
397.667	0.00	0.01	0.030	O	|	|	|	|	0.05	402.833	0.00	0.01	0.026	O	|	|	|	|	0.04
397.750	0.00	0.01	0.030	O	|	|	|	|	0.05	402.917	0.00	0.01	0.026	O	|	|	|	|	0.04
397.833	0.00	0.01	0.030	O	|	|	|	|	0.05	403.000	0.00	0.01	0.026	O	|	|	|	|	0.04
397.917	0.00	0.01	0.030	O	|	|	|	|	0.05	403.083	0.00	0.01	0.026	O	|	|	|	|	0.04
398.000	0.00	0.01	0.030	O	|	|	|	|	0.05	403.167	0.00	0.01	0.026	O	|	|	|	|	0.04
398.083	0.00	0.01	0.030	O	|	|	|	|	0.05	403.250	0.00	0.01	0.026	O	|	|	|	|	0.04
398.167	0.00	0.01	0.030	O	|	|	|	|	0.05	403.333	0.00	0.01	0.026	O	|	|	|	|	0.04
398.250	0.00	0.01	0.030	O	|	|	|	|	0.05	403.417	0.00	0.01	0.026	O	|	|	|	|	0.04
398.333	0.00	0.01	0.030	O	|	|	|	|	0.05	403.500	0.00	0.01	0.026	O	|	|	|	|	0.04
398.417	0.00	0.01	0.030	O	|	|	|	|	0.05	403.583	0.00	0.01	0.025	O	|	|	|	|	0.04
398.500	0.00	0.01	0.029	O	|	|	|	|	0.05	403.667	0.00	0.01	0.025	O	|	|	|	|	0.04
398.583	0.00	0.01	0.029	O	|	|	|	|	0.05	403.750	0.00	0.01	0.025	O	|	|	|	|	0.04
398.667	0.00	0.01	0.029	O	|	|	|	|	0.05	403.833	0.00	0.01	0.025	O	|	|	|	|	0.04
398.750	0.00	0.01	0.029	O	|	|	|	|	0.05	403.917	0.00	0.01	0.025	O	|	|	|	|	0.04
398.833	0.00	0.01	0.029	O	|	|	|	|	0.05	404.000	0.00	0.01	0.025	O	|	|	|	|	0.04
398.917	0.00	0.01	0.029	O	|	|	|	|	0.05	404.083	0.00	0.01	0.025	O	|	|	|	|	0.04
399.000	0.00	0.01	0.029	O	|	|	|	|	0.05	404.167	0.00	0.01	0.025	O	|	|	|	|	0.04
399.083	0.00	0.01	0.029	O	|	|	|	|	0.05	404.250	0.00	0.01	0.025	O	|	|	|	|	0.04
399.167	0.00	0.01	0.029	O	|	|	|	|	0.05	404.333	0.00	0.01	0.025	O	|	|	|	|	0.04
399.250	0.00	0.01	0.029	O	|	|	|	|	0.05	404.417	0.00	0.01	0.025	O	|	|	|	|	0.04
399.333	0.00	0.01	0.029	O	|	|	|	|	0.05	404.500	0.00	0.01	0.025	O	|	|	|	|	0.04
399.417	0.00	0.01	0.029	O	|	|	|	|	0.05	404.583	0.00	0.01	0.025	O	|	|	|	|	0.04
399.500	0.00	0.01	0.029	O	|	|	|	|	0.05	404.667	0.00	0.01	0.025	O	|	|	|	|	0.04
399.583	0.00	0.01	0.029	O	|	|	|	|	0.05	404.750	0.00	0.01	0.025	O	|	|	|	|	0.04
399.667	0.00	0.01	0.028	O	|	|	|	|	0.05	404.833	0.00	0.01	0.025	O	|	|	|	|	0.04
399.750	0.00	0.01	0.028	O	|	|	|	|	0.05	404.917	0.00	0.01	0.025	O	|	|	|	|	0.04
399.833	0.00	0.01	0.028	O	|	|	|	|	0.05	405.000	0.00	0.01	0.024	O	|	|	|	|	0.04
399.917	0.00	0.01	0.028	O	|	|	|	|	0.05	405.083	0.00	0.01	0.024	O	|	|	|	|	0.04
400.000	0.00	0.01	0.028	O	|	|	|	|	0.05	405.167	0.00	0.01	0.024	O	|	|	|	|	0.04
400.083	0.00	0.01	0.028	O	|	|	|	|	0.05	405.250	0.00	0.01	0.024	O	|	|	|	|	0.04
400.167	0.00	0.01	0.028	O	|	|	|	|	0.05	405.333	0.00	0.01	0.024	O	|	|	|	|	0.04
400.250	0.00	0.01	0.028	O	|	|	|	|	0.05	405.417	0.00	0.01	0.024	O	|	|	|	|	0.04
400.333	0.00	0.01	0.028	O	|	|	|	|	0.05	405.500	0.00	0.01	0.024	O	|	|	|	|	0.04
400.417	0.00	0.01	0.028	O	|	|	|	|	0.05	405.583	0.00	0.01	0.024	O	|	|	|	|	0.04
400.500	0.00	0.01	0.028	O	|	|	|	|	0.05	405.667	0.00	0.01	0.024	O	|	|	|	|	0.04
400.583	0.00	0.01	0.028	O	|	|	|	|	0.05	405.750	0.00	0.01	0.024	O	|	|	|	|	0.04
400.667	0.00	0.01	0.028	O	|	|	|	|	0.05	405.833	0.00	0.01	0.024	O	|	|	|	|	0.04
400.750	0.00	0.01	0.028	O	|	|	|	|	0.05	405.917	0.00	0.01	0.024	O	|	|	|	|	0.04
400.833	0.00	0.01	0.028	O	|	|	|	|	0.05	406.000	0.00	0.01	0.024	O	|	|	|	|	0.04
400.917	0.00	0.01	0.027	O	|	|	|	|	0.05	406.083	0.00	0.01	0.024	O	|	|	|	|	0.04
401.000	0.00	0.01	0.027	O	|	|	|	|	0.05	406.167	0.00	0.01	0.024	O	|	|	|	|	0.04
401.083	0.00	0.01	0.027	O	|	|	|	|	0.05	406.250	0.00	0.01	0.024	O	|	|	|	|	0.04
401.167	0.00	0.01	0.027	O	|	|	|	|	0.05	406.333	0.00	0.01	0.024	O	|	|	|	|	0.04

406.417	0.00	0.01	0.024	O	|	|	|	|	0.04	411.583	0.00	0.01	0.020	O	|	|	|	|	0.03
406.500	0.00	0.01	0.023	O	|	|	|	|	0.04	411.667	0.00	0.01	0.020	O	|	|	|	|	0.03
406.583	0.00	0.01	0.023	O	|	|	|	|	0.04	411.750	0.00	0.01	0.020	O	|	|	|	|	0.03
406.667	0.00	0.01	0.023	O	|	|	|	|	0.04	411.833	0.00	0.01	0.020	O	|	|	|	|	0.03
406.750	0.00	0.01	0.023	O	|	|	|	|	0.04	411.917	0.00	0.01	0.020	O	|	|	|	|	0.03
406.833	0.00	0.01	0.023	O	|	|	|	|	0.04	412.000	0.00	0.01	0.020	O	|	|	|	|	0.03
406.917	0.00	0.01	0.023	O	|	|	|	|	0.04	412.083	0.00	0.01	0.020	O	|	|	|	|	0.03
407.000	0.00	0.01	0.023	O	|	|	|	|	0.04	412.167	0.00	0.01	0.020	O	|	|	|	|	0.03
407.083	0.00	0.01	0.023	O	|	|	|	|	0.04	412.250	0.00	0.01	0.020	O	|	|	|	|	0.03
407.167	0.00	0.01	0.023	O	|	|	|	|	0.04	412.333	0.00	0.01	0.020	O	|	|	|	|	0.03
407.250	0.00	0.01	0.023	O	|	|	|	|	0.04	412.417	0.00	0.01	0.020	O	|	|	|	|	0.03
407.333	0.00	0.01	0.023	O	|	|	|	|	0.04	412.500	0.00	0.01	0.020	O	|	|	|	|	0.03
407.417	0.00	0.01	0.023	O	|	|	|	|	0.04	412.583	0.00	0.01	0.020	O	|	|	|	|	0.03
407.500	0.00	0.01	0.023	O	|	|	|	|	0.04	412.667	0.00	0.01	0.020	O	|	|	|	|	0.03
407.583	0.00	0.01	0.023	O	|	|	|	|	0.04	412.750	0.00	0.01	0.020	O	|	|	|	|	0.03
407.667	0.00	0.01	0.023	O	|	|	|	|	0.04	412.833	0.00	0.01	0.020	O	|	|	|	|	0.03
407.750	0.00	0.01	0.023	O	|	|	|	|	0.04	412.917	0.00	0.01	0.020	O	|	|	|	|	0.03
407.833	0.00	0.01	0.023	O	|	|	|	|	0.04	413.000	0.00	0.01	0.019	O	|	|	|	|	0.03
407.917	0.00	0.01	0.023	O	|	|	|	|	0.04	413.083	0.00	0.01	0.019	O	|	|	|	|	0.03
408.000	0.00	0.01	0.022	O	|	|	|	|	0.04	413.167	0.00	0.01	0.019	O	|	|	|	|	0.03
408.083	0.00	0.01	0.022	O	|	|	|	|	0.04	413.250	0.00	0.01	0.019	O	|	|	|	|	0.03
408.167	0.00	0.01	0.022	O	|	|	|	|	0.04	413.333	0.00	0.01	0.019	O	|	|	|	|	0.03
408.250	0.00	0.01	0.022	O	|	|	|	|	0.04	413.417	0.00	0.01	0.019	O	|	|	|	|	0.03
408.333	0.00	0.01	0.022	O	|	|	|	|	0.04	413.500	0.00	0.01	0.019	O	|	|	|	|	0.03
408.417	0.00	0.01	0.022	O	|	|	|	|	0.04	413.583	0.00	0.01	0.019	O	|	|	|	|	0.03
408.500	0.00	0.01	0.022	O	|	|	|	|	0.04	413.667	0.00	0.01	0.019	O	|	|	|	|	0.03
408.583	0.00	0.01	0.022	O	|	|	|	|	0.04	413.750	0.00	0.01	0.019	O	|	|	|	|	0.03
408.667	0.00	0.01	0.022	O	|	|	|	|	0.04	413.833	0.00	0.01	0.019	O	|	|	|	|	0.03
408.750	0.00	0.01	0.022	O	|	|	|	|	0.04	413.917	0.00	0.01	0.019	O	|	|	|	|	0.03
408.833	0.00	0.01	0.022	O	|	|	|	|	0.04	414.000	0.00	0.01	0.019	O	|	|	|	|	0.03
408.917	0.00	0.01	0.022	O	|	|	|	|	0.04	414.083	0.00	0.01	0.019	O	|	|	|	|	0.03
409.000	0.00	0.01	0.022	O	|	|	|	|	0.04	414.167	0.00	0.01	0.019	O	|	|	|	|	0.03
409.083	0.00	0.01	0.022	O	|	|	|	|	0.04	414.250	0.00	0.01	0.019	O	|	|	|	|	0.03
409.167	0.00	0.01	0.022	O	|	|	|	|	0.04	414.333	0.00	0.01	0.019	O	|	|	|	|	0.03
409.250	0.00	0.01	0.022	O	|	|	|	|	0.04	414.417	0.00	0.01	0.019	O	|	|	|	|	0.03
409.333	0.00	0.01	0.022	O	|	|	|	|	0.04	414.500	0.00	0.01	0.019	O	|	|	|	|	0.03
409.417	0.00	0.01	0.022	O	|	|	|	|	0.04	414.583	0.00	0.01	0.019	O	|	|	|	|	0.03
409.500	0.00	0.01	0.022	O	|	|	|	|	0.04	414.667	0.00	0.01	0.019	O	|	|	|	|	0.03
409.583	0.00	0.01	0.021	O	|	|	|	|	0.04	414.750	0.00	0.01	0.019	O	|	|	|	|	0.03
409.667	0.00	0.01	0.021	O	|	|	|	|	0.04	414.833	0.00	0.01	0.018	O	|	|	|	|	0.03
409.750	0.00	0.01	0.021	O	|	|	|	|	0.04	414.917	0.00	0.01	0.018	O	|	|	|	|	0.03
409.833	0.00	0.01	0.021	O	|	|	|	|	0.04	415.000	0.00	0.01	0.018	O	|	|	|	|	0.03
409.917	0.00	0.01	0.021	O	|	|	|	|	0.04	415.083	0.00	0.01	0.018	O	|	|	|	|	0.03
410.000	0.00	0.01	0.021	O	|	|	|	|	0.04	415.167	0.00	0.01	0.018	O	|	|	|	|	0.03
410.083	0.00	0.01	0.021	O	|	|	|	|	0.04	415.250	0.00	0.01	0.018	O	|	|	|	|	0.03
410.167	0.00	0.01	0.021	O	|	|	|	|	0.04	415.333	0.00	0.01	0.018	O	|	|	|	|	0.03
410.250	0.00	0.01	0.021	O	|	|	|	|	0.04	415.417	0.00	0.01	0.018	O	|	|	|	|	0.03
410.333	0.00	0.01	0.021	O	|	|	|	|	0.04	415.500	0.00	0.01	0.018	O	|	|	|	|	0.03
410.417	0.00	0.01	0.021	O	|	|	|	|	0.04	415.583	0.00	0.01	0.018	O	|	|	|	|	0.03
410.500	0.00	0.01	0.021	O	|	|	|	|	0.04	415.667	0.00	0.01	0.018	O	|	|	|	|	0.03
410.583	0.00	0.01	0.021	O	|	|	|	|	0.04	415.750	0.00	0.01	0.018	O	|	|	|	|	0.03
410.667	0.00	0.01	0.021	O	|	|	|	|	0.04	415.833	0.00	0.01	0.018	O	|	|	|	|	0.03
410.750	0.00	0.01	0.021	O	|	|	|	|	0.04	415.917	0.00	0.01	0.018	O	|	|	|	|	0.03
410.833	0.00	0.01	0.021	O	|	|	|	|	0.04	416.000	0.00	0.01	0.018	O	|	|	|	|	0.03
410.917	0.00	0.01	0.021	O	|	|	|	|	0.04	416.083	0.00	0.01	0.018	O	|	|	|	|	0.03
411.000	0.00	0.01	0.021	O	|	|	|	|	0.04	416.167	0.00	0.01	0.018	O	|	|	|	|	0.03
411.083	0.00	0.01	0.021	O	|	|	|	|	0.04	416.250	0.00	0.01	0.018	O	|	|	|	|	0.03
411.167	0.00	0.01	0.021	O	|	|	|	|	0.04	416.333	0.00	0.01	0.018	O	|	|	|	|	0.03
411.250	0.00	0.01	0.020	O	|	|	|	|	0.04	416.417	0.00	0.01	0.018	O	|	|	|	|	0.03
411.333	0.00	0.01	0.020	O	|	|	|	|	0.04	416.500	0.00	0.01	0.018	O	|	|	|	|	0.03
411.417	0.00	0.01	0.020	O	|	|	|	|	0.04	416.583	0.00	0.01	0.018	O	|	|	|	|	0.03
411.500	0.00	0.01	0.020	O	|	|	|	|	0.04	416.667	0.00	0.01	0.018	O	|	|	|	|	0.03

Remaining water in basin = 0.02 (Ac.Ft)

**********HYDROGRAPH DATA**********
Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.775 (CFS)
Total volume = 13.418 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Process from Point/Station 4.100 to Point/Station 4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 1 with
a starting time of 0.00 hours and ending time of 3.00 hours
With a total volume of 0.11(Ac.Ft)

**********HYDROGRAPH DATA**********
Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.765	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.106	0.000	0.000	0.000	0.000

Process from Point/Station 4.100 to Point/Station 4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
Current stream hydrograph deleted by user.

**********HYDROGRAPH DATA**********
Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.765	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.106	0.000	0.000	0.000	0.000

Process from Point/Station 4.290 to Point/Station 4.200

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP4E1003100.rte

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h
Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0 46.6 93.2 139.8 186.4
0+ 5	6.9444	6.94	Q
0+10	22.7345	22.73	Q
0+15	25.5309	25.53	Q
0+20	26.3167	26.32	Q
0+25	31.6481	31.65	Q
0+30	34.9677	34.97	Q
0+35	37.7565	37.76	Q
0+40	36.5292	36.53	Q
0+45	40.1067	40.11	Q
0+50	39.0871	39.09	Q
0+55	35.6542	35.65	Q
1+ 0	37.2985	37.30	Q
1+ 5	42.8270	42.83	Q
1+10	49.3728	49.37	Q
1+15	51.0597	51.06	Q
1+20	50.2702	50.27	Q
1+25	51.3258	51.33	Q
1+30	59.9341	59.93	Q
1+35	61.4981	61.50	Q
1+40	60.0102	60.01	Q
1+45	67.2830	67.28	Q
1+50	75.5859	75.59	Q
1+55	73.9003	73.90	Q
2+ 0	71.5693	71.57	Q
2+ 5	72.8969	72.90	Q
2+10	81.5142	81.51	Q
2+15	102.8878	102.89	Q
2+20	109.1152	109.12	Q
2+25	112.5695	112.57	Q
2+30	158.9831	158.98	Q
2+35	183.0009	183.00	Q
2+40	186.3633	186.36	Q
2+45	132.9337	132.93	Q
2+50	68.2246	68.22	Q
2+55	48.7399	48.74	Q
3+ 0	35.9438	35.94	Q
3+ 5	14.7367	14.74	Q
3+10	3.8421	3.84	Q
3+15	1.0543	1.05	Q
3+20	0.3050	0.30	Q
3+25	0.0501	0.05	Q

**********HYDROGRAPH DATA**********
Number of intervals = 41
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 186.363 (CFS)
Total volume = 16.545 (Ac.Ft)
Status of hydrographs being held in storage

```
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)       0.765     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)      0.106     0.000     0.000     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.290 to Point/Station        4.300
**** RETARDING BASIN ROUTING ****
_______________________________________________________________________________

User entry of depth-outflow-storage data
-------------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 41
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
-------------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.417      0.240      0.416        0.418
  3.000      1.419      0.430      1.418        1.420
  4.000      2.011      0.500      2.009        2.013
  5.000      2.665      0.560      2.663        2.667
  6.000      3.385      0.620      3.383        3.387
  7.000      4.171      0.670      4.169        4.173
  8.000      5.028      0.710      5.026        5.030
  9.000      5.957      0.760      5.954        5.960
 10.000      6.960      0.840      6.957        6.963
 11.000      8.035      0.880      8.032        8.038
 12.000      9.190      0.910      9.187        9.193
 13.000     10.436      0.950     10.433       10.439
 14.000     11.771      0.980     11.768       11.774
 15.000     13.198      1.010     13.195       13.201
 16.000     14.721      1.050     14.717       14.725
 17.000     16.342     17.120     16.283       16.401
 18.000     18.060     28.890     17.961       18.159
 19.000     19.879     75.840     19.618       20.140
 20.000     21.805    153.440     21.277       22.333
-------------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
-------------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
-------------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                      Depth
(Hours) (CFS)    (CFS)     (Ac.Ft) .0      46.6   93.18  139.77  186.36 (Ft.)
 0.083    6.94    0.01      0.024  OI      |       |       |       |     0.06
 0.167   22.73    0.07      0.126  O  I    |       |       |       |     0.30
 0.250   25.53    0.17      0.291  O   I   |       |       |       |     0.70
 0.333   26.32    0.25      0.468  O   I   |       |       |       |     1.10
 0.417   31.65    0.29      0.666  O    I  |       |       |       |     1.50
 0.500   34.97    0.33      0.893  O     I |       |       |       |     1.95
 0.583   37.76    0.38      1.141  O     I |       |       |       |     2.45
 0.667   36.53    0.43      1.394  O     I |       |       |       |     2.95
 0.750   40.11    0.46      1.655  O     I |       |       |       |     3.40
 0.833   39.09    0.49      1.925  O     I |       |       |       |     3.85
 0.917   35.65    0.52      2.179  O     I |       |       |       |     4.26
 1.000   37.30    0.54      2.426  O     I |       |       |       |     4.63
 1.083   42.83    0.56      2.698  O      I|       |       |       |     5.05
 1.167   49.37    0.59      3.012  O       I       |       |       |     5.48
 1.250   51.06    0.62      3.353  O       I       |       |       |     5.96
 1.333   50.27    0.64      3.698  O       I       |       |       |     6.40
 1.417   51.33    0.66      4.043  O       I       |       |       |     6.84
 1.500   59.93    0.68      4.422  O       | I     |       |       |     7.29
 1.583   61.50    0.70      4.835  O       | I     |       |       |     7.78
 1.667   60.01    0.72      5.249  O       | I     |       |       |     8.24
 1.750   67.28    0.75      5.682  O       |  I    |       |       |     8.70
 1.833   75.59    0.78      6.169  O       |   I   |       |       |     9.21
 1.917   73.90    0.82      6.678  O       |   I   |       |       |     9.72
 2.000   71.57    0.85      7.173  O       |   I   |       |       |    10.20
 2.083   72.90    0.87      7.665  O       |   I   |       |       |    10.66
 2.167   81.51    0.88      8.191  O       |    I  |       |       |    11.13
 2.250  102.89    0.90      8.819  O       |       |I      |       |    11.68
 2.333  109.12    0.92      9.543  O       |       | I     |       |    12.28
 2.417  112.57    0.95     10.300  O       |       |  I    |       |    12.89
 2.500  158.98    0.97     11.229  O       |       |       | I     |    13.59
 2.583  183.00    0.99     12.400  O       |       |       |    I  |    14.44
 2.667  186.36    1.02     13.664  O       |       |       |     I |    15.31
 2.750  132.93    1.39     14.756  O       |       |     I |       |    16.02
 2.833   68.22    7.94     15.416  |O      |   I   |       |       |    16.43
 2.917   48.74   11.28     15.753  |O      |  I    |       |       |    16.64
 3.000   35.94   13.33     15.960  | O    I |       |       |       |    16.76
 3.083   14.74   14.12     16.040  | O     |       |       |       |    16.81
 3.167    3.84   13.80     16.007  I O     |       |       |       |    16.79
 3.250    1.05   13.05     15.932  I O     |       |       |       |    16.75
 3.333    0.30   12.24     15.849  I O     |       |       |       |    16.70
 3.417    0.05   11.44     15.769  IO      |       |       |       |    16.65
 3.500    0.00   10.69     15.693  IO      |       |       |       |    16.60
 3.583    0.00    9.98     15.622  IO      |       |       |       |    16.56
 3.667    0.00    9.32     15.555  IO      |       |       |       |    16.51
 3.750    0.00    8.71     15.493  IO      |       |       |       |    16.48
 3.833    0.00    8.13     15.435  IO      |       |       |       |    16.44
 3.917    0.00    7.60     15.381  IO      |       |       |       |    16.41
 4.000    0.00    7.09     15.331  IO      |       |       |       |    16.38
 4.083    0.00    6.63     15.283  IO      |       |       |       |    16.35
 4.167    0.00    6.19     15.239  IO      |       |       |       |    16.32
 4.250    0.00    5.78     15.198  O       |       |       |       |    16.29
 4.333    0.00    5.40     15.160  O       |       |       |       |    16.27
 4.417    0.00    5.04     15.124  O       |       |       |       |    16.25
 4.500    0.00    4.71     15.090  O       |       |       |       |    16.23
 4.583    0.00    4.40     15.059  O       |       |       |       |    16.21
 4.667    0.00    4.11     15.029  O       |       |       |       |    16.19
 4.750    0.00    3.84     15.002  O       |       |       |       |    16.17
 4.833    0.00    3.58     14.977  O       |       |       |       |    16.16
 4.917    0.00    3.35     14.953  O       |       |       |       |    16.14
 5.000    0.00    3.13     14.930  O       |       |       |       |    16.13
 5.083    0.00    2.92     14.910  O       |       |       |       |    16.12
 5.167    0.00    2.73     14.890  O       |       |       |       |    16.10
 5.250    0.00    2.55     14.872  O       |       |       |       |    16.09
 5.333    0.00    2.38     14.855  O       |       |       |       |    16.08
 5.417    0.00    2.22     14.839  O       |       |       |       |    16.07
 5.500    0.00    2.07     14.824  O       |       |       |       |    16.06
 5.583    0.00    1.94     14.811  O       |       |       |       |    16.06
```

5.667	0.00	1.81	14.798	O	|	|	|	|	16.05	10.833	0.00	1.04	14.332	O	|	|	|	|	15.74
5.750	0.00	1.69	14.786	O	|	|	|	|	16.04	10.917	0.00	1.04	14.325	O	|	|	|	|	15.74
5.833	0.00	1.58	14.774	O	|	|	|	|	16.03	11.000	0.00	1.04	14.318	O	|	|	|	|	15.74
5.917	0.00	1.47	14.764	O	|	|	|	|	16.03	11.083	0.00	1.04	14.311	O	|	|	|	|	15.73
6.000	0.00	1.38	14.754	O	|	|	|	|	16.02	11.167	0.00	1.04	14.304	O	|	|	|	|	15.73
6.083	0.00	1.29	14.745	O	|	|	|	|	16.01	11.250	0.00	1.04	14.296	O	|	|	|	|	15.72
6.167	0.00	1.20	14.736	O	|	|	|	|	16.01	11.333	0.00	1.04	14.289	O	|	|	|	|	15.72
6.250	0.00	1.12	14.728	O	|	|	|	|	16.00	11.417	0.00	1.04	14.282	O	|	|	|	|	15.71
6.333	0.00	1.05	14.721	O	|	|	|	|	16.00	11.500	0.00	1.04	14.275	O	|	|	|	|	15.71
6.417	0.00	1.05	14.714	O	|	|	|	|	16.00	11.583	0.00	1.04	14.268	O	|	|	|	|	15.70
6.500	0.00	1.05	14.706	O	|	|	|	|	15.99	11.667	0.00	1.04	14.261	O	|	|	|	|	15.70
6.583	0.00	1.05	14.699	O	|	|	|	|	15.99	11.750	0.00	1.04	14.253	O	|	|	|	|	15.69
6.667	0.00	1.05	14.692	O	|	|	|	|	15.98	11.833	0.00	1.04	14.246	O	|	|	|	|	15.69
6.750	0.00	1.05	14.685	O	|	|	|	|	15.98	11.917	0.00	1.04	14.239	O	|	|	|	|	15.68
6.833	0.00	1.05	14.677	O	|	|	|	|	15.97	12.000	0.00	1.04	14.232	O	|	|	|	|	15.68
6.917	0.00	1.05	14.670	O	|	|	|	|	15.97	12.083	0.00	1.04	14.225	O	|	|	|	|	15.67
7.000	0.00	1.05	14.663	O	|	|	|	|	15.96	12.167	0.00	1.04	14.218	O	|	|	|	|	15.67
7.083	0.00	1.05	14.656	O	|	|	|	|	15.96	12.250	0.00	1.04	14.211	O	|	|	|	|	15.66
7.167	0.00	1.05	14.649	O	|	|	|	|	15.95	12.333	0.00	1.04	14.203	O	|	|	|	|	15.66
7.250	0.00	1.05	14.641	O	|	|	|	|	15.95	12.417	0.00	1.04	14.196	O	|	|	|	|	15.66
7.333	0.00	1.05	14.634	O	|	|	|	|	15.94	12.500	0.00	1.04	14.189	O	|	|	|	|	15.65
7.417	0.00	1.05	14.627	O	|	|	|	|	15.94	12.583	0.00	1.04	14.182	O	|	|	|	|	15.65
7.500	0.00	1.05	14.620	O	|	|	|	|	15.93	12.667	0.00	1.04	14.175	O	|	|	|	|	15.64
7.583	0.00	1.05	14.612	O	|	|	|	|	15.93	12.750	0.00	1.04	14.168	O	|	|	|	|	15.64
7.667	0.00	1.05	14.605	O	|	|	|	|	15.92	12.833	0.00	1.04	14.161	O	|	|	|	|	15.63
7.750	0.00	1.05	14.598	O	|	|	|	|	15.92	12.917	0.00	1.04	14.154	O	|	|	|	|	15.63
7.833	0.00	1.05	14.591	O	|	|	|	|	15.91	13.000	0.00	1.03	14.146	O	|	|	|	|	15.62
7.917	0.00	1.05	14.584	O	|	|	|	|	15.91	13.083	0.00	1.03	14.139	O	|	|	|	|	15.62
8.000	0.00	1.05	14.576	O	|	|	|	|	15.91	13.167	0.00	1.03	14.132	O	|	|	|	|	15.61
8.083	0.00	1.05	14.569	O	|	|	|	|	15.90	13.250	0.00	1.03	14.125	O	|	|	|	|	15.61
8.167	0.00	1.05	14.562	O	|	|	|	|	15.90	13.333	0.00	1.03	14.118	O	|	|	|	|	15.60
8.250	0.00	1.05	14.555	O	|	|	|	|	15.89	13.417	0.00	1.03	14.111	O	|	|	|	|	15.60
8.333	0.00	1.05	14.548	O	|	|	|	|	15.89	13.500	0.00	1.03	14.104	O	|	|	|	|	15.59
8.417	0.00	1.05	14.540	O	|	|	|	|	15.88	13.583	0.00	1.03	14.097	O	|	|	|	|	15.59
8.500	0.00	1.05	14.533	O	|	|	|	|	15.88	13.667	0.00	1.03	14.089	O	|	|	|	|	15.59
8.583	0.00	1.04	14.526	O	|	|	|	|	15.87	13.750	0.00	1.03	14.082	O	|	|	|	|	15.58
8.667	0.00	1.04	14.519	O	|	|	|	|	15.87	13.833	0.00	1.03	14.075	O	|	|	|	|	15.58
8.750	0.00	1.04	14.512	O	|	|	|	|	15.86	13.917	0.00	1.03	14.068	O	|	|	|	|	15.57
8.833	0.00	1.04	14.504	O	|	|	|	|	15.86	14.000	0.00	1.03	14.061	O	|	|	|	|	15.57
8.917	0.00	1.04	14.497	O	|	|	|	|	15.85	14.083	0.00	1.03	14.054	O	|	|	|	|	15.56
9.000	0.00	1.04	14.490	O	|	|	|	|	15.85	14.167	0.00	1.03	14.047	O	|	|	|	|	15.56
9.083	0.00	1.04	14.483	O	|	|	|	|	15.84	14.250	0.00	1.03	14.040	O	|	|	|	|	15.55
9.167	0.00	1.04	14.476	O	|	|	|	|	15.84	14.333	0.00	1.03	14.033	O	|	|	|	|	15.55
9.250	0.00	1.04	14.468	O	|	|	|	|	15.83	14.417	0.00	1.03	14.025	O	|	|	|	|	15.54
9.333	0.00	1.04	14.461	O	|	|	|	|	15.83	14.500	0.00	1.03	14.018	O	|	|	|	|	15.54
9.417	0.00	1.04	14.454	O	|	|	|	|	15.82	14.583	0.00	1.03	14.011	O	|	|	|	|	15.53
9.500	0.00	1.04	14.447	O	|	|	|	|	15.82	14.667	0.00	1.03	14.004	O	|	|	|	|	15.53
9.583	0.00	1.04	14.440	O	|	|	|	|	15.82	14.750	0.00	1.03	13.997	O	|	|	|	|	15.52
9.667	0.00	1.04	14.433	O	|	|	|	|	15.81	14.833	0.00	1.03	13.990	O	|	|	|	|	15.52
9.750	0.00	1.04	14.425	O	|	|	|	|	15.81	14.917	0.00	1.03	13.983	O	|	|	|	|	15.52
9.833	0.00	1.04	14.418	O	|	|	|	|	15.80	15.000	0.00	1.03	13.976	O	|	|	|	|	15.51
9.917	0.00	1.04	14.411	O	|	|	|	|	15.80	15.083	0.00	1.03	13.969	O	|	|	|	|	15.51
10.000	0.00	1.04	14.404	O	|	|	|	|	15.79	15.167	0.00	1.03	13.962	O	|	|	|	|	15.50
10.083	0.00	1.04	14.397	O	|	|	|	|	15.79	15.250	0.00	1.03	13.954	O	|	|	|	|	15.50
10.167	0.00	1.04	14.390	O	|	|	|	|	15.78	15.333	0.00	1.03	13.947	O	|	|	|	|	15.49
10.250	0.00	1.04	14.382	O	|	|	|	|	15.78	15.417	0.00	1.03	13.940	O	|	|	|	|	15.49
10.333	0.00	1.04	14.375	O	|	|	|	|	15.77	15.500	0.00	1.03	13.933	O	|	|	|	|	15.48
10.417	0.00	1.04	14.368	O	|	|	|	|	15.77	15.583	0.00	1.03	13.926	O	|	|	|	|	15.48
10.500	0.00	1.04	14.361	O	|	|	|	|	15.76	15.667	0.00	1.03	13.919	O	|	|	|	|	15.47
10.583	0.00	1.04	14.354	O	|	|	|	|	15.76	15.750	0.00	1.03	13.912	O	|	|	|	|	15.47
10.667	0.00	1.04	14.347	O	|	|	|	|	15.75	15.833	0.00	1.03	13.905	O	|	|	|	|	15.46
10.750	0.00	1.04	14.339	O	|	|	|	|	15.75	15.917	0.00	1.03	13.898	O	|	|	|	|	15.46

16.000	0.00	1.03	13.891	O	|	|	|	|	15.45	21.167	0.00	1.02	13.454	O	|	|	|	|	15.17
16.083	0.00	1.03	13.884	O	|	|	|	|	15.45	21.250	0.00	1.02	13.447	O	|	|	|	|	15.16
16.167	0.00	1.03	13.877	O	|	|	|	|	15.45	21.333	0.00	1.02	13.440	O	|	|	|	|	15.16
16.250	0.00	1.03	13.869	O	|	|	|	|	15.44	21.417	0.00	1.02	13.433	O	|	|	|	|	15.15
16.333	0.00	1.03	13.862	O	|	|	|	|	15.44	21.500	0.00	1.02	13.426	O	|	|	|	|	15.15
16.417	0.00	1.03	13.855	O	|	|	|	|	15.43	21.583	0.00	1.02	13.419	O	|	|	|	|	15.15
16.500	0.00	1.03	13.848	O	|	|	|	|	15.43	21.667	0.00	1.02	13.412	O	|	|	|	|	15.14
16.583	0.00	1.03	13.841	O	|	|	|	|	15.42	21.750	0.00	1.02	13.405	O	|	|	|	|	15.14
16.667	0.00	1.03	13.834	O	|	|	|	|	15.42	21.833	0.00	1.02	13.398	O	|	|	|	|	15.13
16.750	0.00	1.03	13.827	O	|	|	|	|	15.41	21.917	0.00	1.02	13.391	O	|	|	|	|	15.13
16.833	0.00	1.03	13.820	O	|	|	|	|	15.41	22.000	0.00	1.01	13.384	O	|	|	|	|	15.12
16.917	0.00	1.03	13.813	O	|	|	|	|	15.40	22.083	0.00	1.01	13.377	O	|	|	|	|	15.12
17.000	0.00	1.03	13.806	O	|	|	|	|	15.40	22.167	0.00	1.01	13.370	O	|	|	|	|	15.11
17.083	0.00	1.03	13.799	O	|	|	|	|	15.39	22.250	0.00	1.01	13.363	O	|	|	|	|	15.11
17.167	0.00	1.03	13.792	O	|	|	|	|	15.39	22.333	0.00	1.01	13.356	O	|	|	|	|	15.10
17.250	0.00	1.03	13.785	O	|	|	|	|	15.39	22.417	0.00	1.01	13.349	O	|	|	|	|	15.10
17.333	0.00	1.03	13.778	O	|	|	|	|	15.38	22.500	0.00	1.01	13.342	O	|	|	|	|	15.09
17.417	0.00	1.03	13.770	O	|	|	|	|	15.38	22.583	0.00	1.01	13.335	O	|	|	|	|	15.09
17.500	0.00	1.02	13.763	O	|	|	|	|	15.37	22.667	0.00	1.01	13.328	O	|	|	|	|	15.09
17.583	0.00	1.02	13.756	O	|	|	|	|	15.37	22.750	0.00	1.01	13.321	O	|	|	|	|	15.08
17.667	0.00	1.02	13.749	O	|	|	|	|	15.36	22.833	0.00	1.01	13.314	O	|	|	|	|	15.08
17.750	0.00	1.02	13.742	O	|	|	|	|	15.36	22.917	0.00	1.01	13.307	O	|	|	|	|	15.07
17.833	0.00	1.02	13.735	O	|	|	|	|	15.35	23.000	0.00	1.01	13.300	O	|	|	|	|	15.07
17.917	0.00	1.02	13.728	O	|	|	|	|	15.35	23.083	0.00	1.01	13.293	O	|	|	|	|	15.06
18.000	0.00	1.02	13.721	O	|	|	|	|	15.34	23.167	0.00	1.01	13.286	O	|	|	|	|	15.06
18.083	0.00	1.02	13.714	O	|	|	|	|	15.34	23.250	0.00	1.01	13.279	O	|	|	|	|	15.05
18.167	0.00	1.02	13.707	O	|	|	|	|	15.33	23.333	0.00	1.01	13.272	O	|	|	|	|	15.05
18.250	0.00	1.02	13.700	O	|	|	|	|	15.33	23.417	0.00	1.01	13.265	O	|	|	|	|	15.04
18.333	0.00	1.02	13.693	O	|	|	|	|	15.32	23.500	0.00	1.01	13.259	O	|	|	|	|	15.04
18.417	0.00	1.02	13.686	O	|	|	|	|	15.32	23.583	0.00	1.01	13.252	O	|	|	|	|	15.04
18.500	0.00	1.02	13.679	O	|	|	|	|	15.32	23.667	0.00	1.01	13.245	O	|	|	|	|	15.03
18.583	0.00	1.02	13.672	O	|	|	|	|	15.31	23.750	0.00	1.01	13.238	O	|	|	|	|	15.03
18.667	0.00	1.02	13.665	O	|	|	|	|	15.31	23.833	0.00	1.01	13.231	O	|	|	|	|	15.02
18.750	0.00	1.02	13.658	O	|	|	|	|	15.30	23.917	0.00	1.01	13.224	O	|	|	|	|	15.02
18.833	0.00	1.02	13.651	O	|	|	|	|	15.30	24.000	0.00	1.01	13.217	O	|	|	|	|	15.01
18.917	0.00	1.02	13.644	O	|	|	|	|	15.29	24.083	0.00	1.01	13.210	O	|	|	|	|	15.01
19.000	0.00	1.02	13.637	O	|	|	|	|	15.29	24.167	0.00	1.01	13.203	O	|	|	|	|	15.00
19.083	0.00	1.02	13.630	O	|	|	|	|	15.28	24.250	0.00	1.01	13.196	O	|	|	|	|	15.00
19.167	0.00	1.02	13.623	O	|	|	|	|	15.28	24.333	0.00	1.01	13.189	O	|	|	|	|	14.99
19.250	0.00	1.02	13.615	O	|	|	|	|	15.27	24.417	0.00	1.01	13.182	O	|	|	|	|	14.99
19.333	0.00	1.02	13.608	O	|	|	|	|	15.27	24.500	0.00	1.01	13.175	O	|	|	|	|	14.98
19.417	0.00	1.02	13.601	O	|	|	|	|	15.26	24.583	0.00	1.01	13.168	O	|	|	|	|	14.98
19.500	0.00	1.02	13.594	O	|	|	|	|	15.26	24.667	0.00	1.01	13.161	O	|	|	|	|	14.97
19.583	0.00	1.02	13.587	O	|	|	|	|	15.26	24.750	0.00	1.01	13.154	O	|	|	|	|	14.97
19.667	0.00	1.02	13.580	O	|	|	|	|	15.25	24.833	0.00	1.01	13.147	O	|	|	|	|	14.96
19.750	0.00	1.02	13.573	O	|	|	|	|	15.25	24.917	0.00	1.01	13.140	O	|	|	|	|	14.96
19.833	0.00	1.02	13.566	O	|	|	|	|	15.24	25.000	0.00	1.01	13.133	O	|	|	|	|	14.95
19.917	0.00	1.02	13.559	O	|	|	|	|	15.24	25.083	0.00	1.01	13.126	O	|	|	|	|	14.95
20.000	0.00	1.02	13.552	O	|	|	|	|	15.23	25.167	0.00	1.01	13.119	O	|	|	|	|	14.94
20.083	0.00	1.02	13.545	O	|	|	|	|	15.23	25.250	0.00	1.01	13.112	O	|	|	|	|	14.94
20.167	0.00	1.02	13.538	O	|	|	|	|	15.22	25.333	0.00	1.01	13.106	O	|	|	|	|	14.94
20.250	0.00	1.02	13.531	O	|	|	|	|	15.22	25.417	0.00	1.01	13.099	O	|	|	|	|	14.93
20.333	0.00	1.02	13.524	O	|	|	|	|	15.21	25.500	0.00	1.01	13.092	O	|	|	|	|	14.93
20.417	0.00	1.02	13.517	O	|	|	|	|	15.21	25.583	0.00	1.01	13.085	O	|	|	|	|	14.92
20.500	0.00	1.02	13.510	O	|	|	|	|	15.20	25.667	0.00	1.01	13.078	O	|	|	|	|	14.92
20.583	0.00	1.02	13.503	O	|	|	|	|	15.20	25.750	0.00	1.01	13.071	O	|	|	|	|	14.91
20.667	0.00	1.02	13.496	O	|	|	|	|	15.20	25.833	0.00	1.01	13.064	O	|	|	|	|	14.91
20.750	0.00	1.02	13.489	O	|	|	|	|	15.19	25.917	0.00	1.01	13.057	O	|	|	|	|	14.90
20.833	0.00	1.02	13.482	O	|	|	|	|	15.19	26.000	0.00	1.01	13.050	O	|	|	|	|	14.90
20.917	0.00	1.02	13.475	O	|	|	|	|	15.18	26.083	0.00	1.01	13.043	O	|	|	|	|	14.89
21.000	0.00	1.02	13.468	O	|	|	|	|	15.18	26.167	0.00	1.01	13.036	O	|	|	|	|	14.89
21.083	0.00	1.02	13.461	O	|	|	|	|	15.17	26.250	0.00	1.01	13.029	O	|	|	|	|	14.88

26.333	0.00	1.01	13.022	O	|	|	|	|	14.88	31.500	0.00	1.00	12.595	O	|	|	|	|	14.58
26.417	0.00	1.01	13.015	O	|	|	|	|	14.87	31.583	0.00	1.00	12.588	O	|	|	|	|	14.57
26.500	0.00	1.01	13.008	O	|	|	|	|	14.87	31.667	0.00	1.00	12.581	O	|	|	|	|	14.57
26.583	0.00	1.01	13.002	O	|	|	|	|	14.86	31.750	0.00	1.00	12.574	O	|	|	|	|	14.56
26.667	0.00	1.01	12.995	O	|	|	|	|	14.86	31.833	0.00	1.00	12.567	O	|	|	|	|	14.56
26.750	0.00	1.01	12.988	O	|	|	|	|	14.85	31.917	0.00	1.00	12.560	O	|	|	|	|	14.55
26.833	0.00	1.01	12.981	O	|	|	|	|	14.85	32.000	0.00	1.00	12.553	O	|	|	|	|	14.55
26.917	0.00	1.01	12.974	O	|	|	|	|	14.84	32.083	0.00	1.00	12.546	O	|	|	|	|	14.54
27.000	0.00	1.01	12.967	O	|	|	|	|	14.84	32.167	0.00	1.00	12.540	O	|	|	|	|	14.54
27.083	0.00	1.00	12.960	O	|	|	|	|	14.83	32.250	0.00	1.00	12.533	O	|	|	|	|	14.53
27.167	0.00	1.00	12.953	O	|	|	|	|	14.83	32.333	0.00	1.00	12.526	O	|	|	|	|	14.53
27.250	0.00	1.00	12.946	O	|	|	|	|	14.82	32.417	0.00	1.00	12.519	O	|	|	|	|	14.52
27.333	0.00	1.00	12.939	O	|	|	|	|	14.82	32.500	0.00	1.00	12.512	O	|	|	|	|	14.52
27.417	0.00	1.00	12.932	O	|	|	|	|	14.81	32.583	0.00	1.00	12.505	O	|	|	|	|	14.51
27.500	0.00	1.00	12.925	O	|	|	|	|	14.81	32.667	0.00	1.00	12.498	O	|	|	|	|	14.51
27.583	0.00	1.00	12.918	O	|	|	|	|	14.80	32.750	0.00	1.00	12.492	O	|	|	|	|	14.50
27.667	0.00	1.00	12.912	O	|	|	|	|	14.80	32.833	0.00	1.00	12.485	O	|	|	|	|	14.50
27.750	0.00	1.00	12.905	O	|	|	|	|	14.79	32.917	0.00	0.99	12.478	O	|	|	|	|	14.50
27.833	0.00	1.00	12.898	O	|	|	|	|	14.79	33.000	0.00	0.99	12.471	O	|	|	|	|	14.49
27.917	0.00	1.00	12.891	O	|	|	|	|	14.78	33.083	0.00	0.99	12.464	O	|	|	|	|	14.49
28.000	0.00	1.00	12.884	O	|	|	|	|	14.78	33.167	0.00	0.99	12.457	O	|	|	|	|	14.48
28.083	0.00	1.00	12.877	O	|	|	|	|	14.78	33.250	0.00	0.99	12.451	O	|	|	|	|	14.48
28.167	0.00	1.00	12.870	O	|	|	|	|	14.77	33.333	0.00	0.99	12.444	O	|	|	|	|	14.47
28.250	0.00	1.00	12.863	O	|	|	|	|	14.77	33.417	0.00	0.99	12.437	O	|	|	|	|	14.47
28.333	0.00	1.00	12.856	O	|	|	|	|	14.76	33.500	0.00	0.99	12.430	O	|	|	|	|	14.46
28.417	0.00	1.00	12.849	O	|	|	|	|	14.76	33.583	0.00	0.99	12.423	O	|	|	|	|	14.46
28.500	0.00	1.00	12.842	O	|	|	|	|	14.75	33.667	0.00	0.99	12.416	O	|	|	|	|	14.45
28.583	0.00	1.00	12.836	O	|	|	|	|	14.75	33.750	0.00	0.99	12.409	O	|	|	|	|	14.45
28.667	0.00	1.00	12.829	O	|	|	|	|	14.74	33.833	0.00	0.99	12.403	O	|	|	|	|	14.44
28.750	0.00	1.00	12.822	O	|	|	|	|	14.74	33.917	0.00	0.99	12.396	O	|	|	|	|	14.44
28.833	0.00	1.00	12.815	O	|	|	|	|	14.73	34.000	0.00	0.99	12.389	O	|	|	|	|	14.43
28.917	0.00	1.00	12.808	O	|	|	|	|	14.73	34.083	0.00	0.99	12.382	O	|	|	|	|	14.43
29.000	0.00	1.00	12.801	O	|	|	|	|	14.72	34.167	0.00	0.99	12.375	O	|	|	|	|	14.42
29.083	0.00	1.00	12.794	O	|	|	|	|	14.72	34.250	0.00	0.99	12.368	O	|	|	|	|	14.42
29.167	0.00	1.00	12.787	O	|	|	|	|	14.71	34.333	0.00	0.99	12.362	O	|	|	|	|	14.41
29.250	0.00	1.00	12.780	O	|	|	|	|	14.71	34.417	0.00	0.99	12.355	O	|	|	|	|	14.41
29.333	0.00	1.00	12.773	O	|	|	|	|	14.70	34.500	0.00	0.99	12.348	O	|	|	|	|	14.40
29.417	0.00	1.00	12.767	O	|	|	|	|	14.70	34.583	0.00	0.99	12.341	O	|	|	|	|	14.40
29.500	0.00	1.00	12.760	O	|	|	|	|	14.69	34.667	0.00	0.99	12.334	O	|	|	|	|	14.39
29.583	0.00	1.00	12.753	O	|	|	|	|	14.69	34.750	0.00	0.99	12.327	O	|	|	|	|	14.39
29.667	0.00	1.00	12.746	O	|	|	|	|	14.68	34.833	0.00	0.99	12.321	O	|	|	|	|	14.39
29.750	0.00	1.00	12.739	O	|	|	|	|	14.68	34.917	0.00	0.99	12.314	O	|	|	|	|	14.38
29.833	0.00	1.00	12.732	O	|	|	|	|	14.67	35.000	0.00	0.99	12.307	O	|	|	|	|	14.38
29.917	0.00	1.00	12.725	O	|	|	|	|	14.67	35.083	0.00	0.99	12.300	O	|	|	|	|	14.37
30.000	0.00	1.00	12.718	O	|	|	|	|	14.66	35.167	0.00	0.99	12.293	O	|	|	|	|	14.37
30.083	0.00	1.00	12.711	O	|	|	|	|	14.66	35.250	0.00	0.99	12.286	O	|	|	|	|	14.36
30.167	0.00	1.00	12.705	O	|	|	|	|	14.65	35.333	0.00	0.99	12.280	O	|	|	|	|	14.36
30.250	0.00	1.00	12.698	O	|	|	|	|	14.65	35.417	0.00	0.99	12.273	O	|	|	|	|	14.35
30.333	0.00	1.00	12.691	O	|	|	|	|	14.64	35.500	0.00	0.99	12.266	O	|	|	|	|	14.35
30.417	0.00	1.00	12.684	O	|	|	|	|	14.64	35.583	0.00	0.99	12.259	O	|	|	|	|	14.34
30.500	0.00	1.00	12.677	O	|	|	|	|	14.63	35.667	0.00	0.99	12.252	O	|	|	|	|	14.34
30.583	0.00	1.00	12.670	O	|	|	|	|	14.63	35.750	0.00	0.99	12.246	O	|	|	|	|	14.33
30.667	0.00	1.00	12.663	O	|	|	|	|	14.63	35.833	0.00	0.99	12.239	O	|	|	|	|	14.33
30.750	0.00	1.00	12.656	O	|	|	|	|	14.62	35.917	0.00	0.99	12.232	O	|	|	|	|	14.32
30.833	0.00	1.00	12.650	O	|	|	|	|	14.62	36.000	0.00	0.99	12.225	O	|	|	|	|	14.32
30.917	0.00	1.00	12.643	O	|	|	|	|	14.61	36.083	0.00	0.99	12.218	O	|	|	|	|	14.31
31.000	0.00	1.00	12.636	O	|	|	|	|	14.61	36.167	0.00	0.99	12.211	O	|	|	|	|	14.31
31.083	0.00	1.00	12.629	O	|	|	|	|	14.60	36.250	0.00	0.99	12.205	O	|	|	|	|	14.30
31.167	0.00	1.00	12.622	O	|	|	|	|	14.60	36.333	0.00	0.99	12.198	O	|	|	|	|	14.30
31.250	0.00	1.00	12.615	O	|	|	|	|	14.59	36.417	0.00	0.99	12.191	O	|	|	|	|	14.29
31.333	0.00	1.00	12.608	O	|	|	|	|	14.59	36.500	0.00	0.99	12.184	O	|	|	|	|	14.29
31.417	0.00	1.00	12.601	O	|	|	|	|	14.58	36.583	0.00	0.99	12.177	O	|	|	|	|	14.28

36.667	0.00	0.99	12.171	O	|	|	|	|	14.28	41.833	0.00	0.98	11.750	O	|	|	|	|	13.98
36.750	0.00	0.99	12.164	O	|	|	|	|	14.28	41.917	0.00	0.98	11.744	O	|	|	|	|	13.98
36.833	0.00	0.99	12.157	O	|	|	|	|	14.27	42.000	0.00	0.98	11.737	O	|	|	|	|	13.97
36.917	0.00	0.99	12.150	O	|	|	|	|	14.27	42.083	0.00	0.98	11.730	O	|	|	|	|	13.97
37.000	0.00	0.99	12.143	O	|	|	|	|	14.26	42.167	0.00	0.98	11.723	O	|	|	|	|	13.96
37.083	0.00	0.99	12.137	O	|	|	|	|	14.26	42.250	0.00	0.98	11.717	O	|	|	|	|	13.96
37.167	0.00	0.99	12.130	O	|	|	|	|	14.25	42.333	0.00	0.98	11.710	O	|	|	|	|	13.95
37.250	0.00	0.99	12.123	O	|	|	|	|	14.25	42.417	0.00	0.98	11.703	O	|	|	|	|	13.95
37.333	0.00	0.99	12.116	O	|	|	|	|	14.24	42.500	0.00	0.98	11.696	O	|	|	|	|	13.94
37.417	0.00	0.99	12.109	O	|	|	|	|	14.24	42.583	0.00	0.98	11.690	O	|	|	|	|	13.94
37.500	0.00	0.99	12.103	O	|	|	|	|	14.23	42.667	0.00	0.98	11.683	O	|	|	|	|	13.93
37.583	0.00	0.99	12.096	O	|	|	|	|	14.23	42.750	0.00	0.98	11.676	O	|	|	|	|	13.93
37.667	0.00	0.99	12.089	O	|	|	|	|	14.22	42.833	0.00	0.98	11.670	O	|	|	|	|	13.92
37.750	0.00	0.99	12.082	O	|	|	|	|	14.22	42.917	0.00	0.98	11.663	O	|	|	|	|	13.92
37.833	0.00	0.99	12.075	O	|	|	|	|	14.21	43.000	0.00	0.98	11.656	O	|	|	|	|	13.91
37.917	0.00	0.99	12.069	O	|	|	|	|	14.21	43.083	0.00	0.98	11.649	O	|	|	|	|	13.91
38.000	0.00	0.99	12.062	O	|	|	|	|	14.20	43.167	0.00	0.98	11.643	O	|	|	|	|	13.90
38.083	0.00	0.99	12.055	O	|	|	|	|	14.20	43.250	0.00	0.98	11.636	O	|	|	|	|	13.90
38.167	0.00	0.99	12.048	O	|	|	|	|	14.19	43.333	0.00	0.98	11.629	O	|	|	|	|	13.89
38.250	0.00	0.99	12.041	O	|	|	|	|	14.19	43.417	0.00	0.98	11.622	O	|	|	|	|	13.89
38.333	0.00	0.99	12.035	O	|	|	|	|	14.18	43.500	0.00	0.98	11.616	O	|	|	|	|	13.88
38.417	0.00	0.99	12.028	O	|	|	|	|	14.18	43.583	0.00	0.98	11.609	O	|	|	|	|	13.88
38.500	0.00	0.99	12.021	O	|	|	|	|	14.18	43.667	0.00	0.98	11.602	O	|	|	|	|	13.87
38.583	0.00	0.99	12.014	O	|	|	|	|	14.17	43.750	0.00	0.98	11.596	O	|	|	|	|	13.87
38.667	0.00	0.98	12.008	O	|	|	|	|	14.17	43.833	0.00	0.98	11.589	O	|	|	|	|	13.86
38.750	0.00	0.98	12.001	O	|	|	|	|	14.16	43.917	0.00	0.98	11.582	O	|	|	|	|	13.86
38.833	0.00	0.98	11.994	O	|	|	|	|	14.16	44.000	0.00	0.98	11.575	O	|	|	|	|	13.85
38.917	0.00	0.98	11.987	O	|	|	|	|	14.15	44.083	0.00	0.98	11.569	O	|	|	|	|	13.85
39.000	0.00	0.98	11.980	O	|	|	|	|	14.15	44.167	0.00	0.98	11.562	O	|	|	|	|	13.84
39.083	0.00	0.98	11.974	O	|	|	|	|	14.14	44.250	0.00	0.98	11.555	O	|	|	|	|	13.84
39.167	0.00	0.98	11.967	O	|	|	|	|	14.14	44.333	0.00	0.98	11.549	O	|	|	|	|	13.83
39.250	0.00	0.98	11.960	O	|	|	|	|	14.13	44.417	0.00	0.97	11.542	O	|	|	|	|	13.83
39.333	0.00	0.98	11.953	O	|	|	|	|	14.13	44.500	0.00	0.97	11.535	O	|	|	|	|	13.82
39.417	0.00	0.98	11.946	O	|	|	|	|	14.12	44.583	0.00	0.97	11.528	O	|	|	|	|	13.82
39.500	0.00	0.98	11.940	O	|	|	|	|	14.12	44.667	0.00	0.97	11.522	O	|	|	|	|	13.81
39.583	0.00	0.98	11.933	O	|	|	|	|	14.11	44.750	0.00	0.97	11.515	O	|	|	|	|	13.81
39.667	0.00	0.98	11.926	O	|	|	|	|	14.11	44.833	0.00	0.97	11.508	O	|	|	|	|	13.80
39.750	0.00	0.98	11.919	O	|	|	|	|	14.10	44.917	0.00	0.97	11.502	O	|	|	|	|	13.80
39.833	0.00	0.98	11.913	O	|	|	|	|	14.10	45.000	0.00	0.97	11.495	O	|	|	|	|	13.79
39.917	0.00	0.98	11.906	O	|	|	|	|	14.09	45.083	0.00	0.97	11.488	O	|	|	|	|	13.79
40.000	0.00	0.98	11.899	O	|	|	|	|	14.09	45.167	0.00	0.97	11.481	O	|	|	|	|	13.78
40.083	0.00	0.98	11.892	O	|	|	|	|	14.09	45.250	0.00	0.97	11.475	O	|	|	|	|	13.78
40.167	0.00	0.98	11.886	O	|	|	|	|	14.08	45.333	0.00	0.97	11.468	O	|	|	|	|	13.77
40.250	0.00	0.98	11.879	O	|	|	|	|	14.08	45.417	0.00	0.97	11.461	O	|	|	|	|	13.77
40.333	0.00	0.98	11.872	O	|	|	|	|	14.07	45.500	0.00	0.97	11.455	O	|	|	|	|	13.76
40.417	0.00	0.98	11.865	O	|	|	|	|	14.07	45.583	0.00	0.97	11.448	O	|	|	|	|	13.76
40.500	0.00	0.98	11.859	O	|	|	|	|	14.06	45.667	0.00	0.97	11.441	O	|	|	|	|	13.75
40.583	0.00	0.98	11.852	O	|	|	|	|	14.06	45.750	0.00	0.97	11.435	O	|	|	|	|	13.75
40.667	0.00	0.98	11.845	O	|	|	|	|	14.05	45.833	0.00	0.97	11.428	O	|	|	|	|	13.74
40.750	0.00	0.98	11.838	O	|	|	|	|	14.05	45.917	0.00	0.97	11.421	O	|	|	|	|	13.74
40.833	0.00	0.98	11.831	O	|	|	|	|	14.04	46.000	0.00	0.97	11.414	O	|	|	|	|	13.73
40.917	0.00	0.98	11.825	O	|	|	|	|	14.04	46.083	0.00	0.97	11.408	O	|	|	|	|	13.73
41.000	0.00	0.98	11.818	O	|	|	|	|	14.03	46.167	0.00	0.97	11.401	O	|	|	|	|	13.72
41.083	0.00	0.98	11.811	O	|	|	|	|	14.03	46.250	0.00	0.97	11.394	O	|	|	|	|	13.72
41.167	0.00	0.98	11.804	O	|	|	|	|	14.02	46.333	0.00	0.97	11.388	O	|	|	|	|	13.71
41.250	0.00	0.98	11.798	O	|	|	|	|	14.02	46.417	0.00	0.97	11.381	O	|	|	|	|	13.71
41.333	0.00	0.98	11.791	O	|	|	|	|	14.01	46.500	0.00	0.97	11.374	O	|	|	|	|	13.70
41.417	0.00	0.98	11.784	O	|	|	|	|	14.01	46.583	0.00	0.97	11.368	O	|	|	|	|	13.70
41.500	0.00	0.98	11.777	O	|	|	|	|	14.00	46.667	0.00	0.97	11.361	O	|	|	|	|	13.69
41.583	0.00	0.98	11.771	O	|	|	|	|	14.00	46.750	0.00	0.97	11.354	O	|	|	|	|	13.69
41.667	0.00	0.98	11.764	O	|	|	|	|	13.99	46.833	0.00	0.97	11.348	O	|	|	|	|	13.68
41.750	0.00	0.98	11.757	O	|	|	|	|	13.99	46.917	0.00	0.97	11.341	O	|	|	|	|	13.68

47.000	0.00	0.97	11.334	O	|	|	|	|	13.67	52.167	0.00	0.96	10.922	O	|	|	|	|	13.36
47.083	0.00	0.97	11.327	O	|	|	|	|	13.67	52.250	0.00	0.96	10.915	O	|	|	|	|	13.36
47.167	0.00	0.97	11.321	O	|	|	|	|	13.66	52.333	0.00	0.96	10.909	O	|	|	|	|	13.35
47.250	0.00	0.97	11.314	O	|	|	|	|	13.66	52.417	0.00	0.96	10.902	O	|	|	|	|	13.35
47.333	0.00	0.97	11.307	O	|	|	|	|	13.65	52.500	0.00	0.96	10.895	O	|	|	|	|	13.34
47.417	0.00	0.97	11.301	O	|	|	|	|	13.65	52.583	0.00	0.96	10.889	O	|	|	|	|	13.34
47.500	0.00	0.97	11.294	O	|	|	|	|	13.64	52.667	0.00	0.96	10.882	O	|	|	|	|	13.33
47.583	0.00	0.97	11.287	O	|	|	|	|	13.64	52.750	0.00	0.96	10.876	O	|	|	|	|	13.33
47.667	0.00	0.97	11.281	O	|	|	|	|	13.63	52.833	0.00	0.96	10.869	O	|	|	|	|	13.32
47.750	0.00	0.97	11.274	O	|	|	|	|	13.63	52.917	0.00	0.96	10.862	O	|	|	|	|	13.32
47.833	0.00	0.97	11.267	O	|	|	|	|	13.62	53.000	0.00	0.96	10.856	O	|	|	|	|	13.31
47.917	0.00	0.97	11.261	O	|	|	|	|	13.62	53.083	0.00	0.96	10.849	O	|	|	|	|	13.31
48.000	0.00	0.97	11.254	O	|	|	|	|	13.61	53.167	0.00	0.96	10.843	O	|	|	|	|	13.30
48.083	0.00	0.97	11.247	O	|	|	|	|	13.61	53.250	0.00	0.96	10.836	O	|	|	|	|	13.30
48.167	0.00	0.97	11.241	O	|	|	|	|	13.60	53.333	0.00	0.96	10.829	O	|	|	|	|	13.29
48.250	0.00	0.97	11.234	O	|	|	|	|	13.60	53.417	0.00	0.96	10.823	O	|	|	|	|	13.29
48.333	0.00	0.97	11.227	O	|	|	|	|	13.59	53.500	0.00	0.96	10.816	O	|	|	|	|	13.28
48.417	0.00	0.97	11.221	O	|	|	|	|	13.59	53.583	0.00	0.96	10.810	O	|	|	|	|	13.28
48.500	0.00	0.97	11.214	O	|	|	|	|	13.58	53.667	0.00	0.96	10.803	O	|	|	|	|	13.27
48.583	0.00	0.97	11.207	O	|	|	|	|	13.58	53.750	0.00	0.96	10.796	O	|	|	|	|	13.27
48.667	0.00	0.97	11.201	O	|	|	|	|	13.57	53.833	0.00	0.96	10.790	O	|	|	|	|	13.26
48.750	0.00	0.97	11.194	O	|	|	|	|	13.57	53.917	0.00	0.96	10.783	O	|	|	|	|	13.26
48.833	0.00	0.97	11.187	O	|	|	|	|	13.56	54.000	0.00	0.96	10.777	O	|	|	|	|	13.26
48.917	0.00	0.97	11.181	O	|	|	|	|	13.56	54.083	0.00	0.96	10.770	O	|	|	|	|	13.25
49.000	0.00	0.97	11.174	O	|	|	|	|	13.55	54.167	0.00	0.96	10.763	O	|	|	|	|	13.25
49.083	0.00	0.97	11.167	O	|	|	|	|	13.55	54.250	0.00	0.96	10.757	O	|	|	|	|	13.24
49.167	0.00	0.97	11.161	O	|	|	|	|	13.54	54.333	0.00	0.96	10.750	O	|	|	|	|	13.24
49.250	0.00	0.97	11.154	O	|	|	|	|	13.54	54.417	0.00	0.96	10.744	O	|	|	|	|	13.23
49.333	0.00	0.97	11.147	O	|	|	|	|	13.53	54.500	0.00	0.96	10.737	O	|	|	|	|	13.23
49.417	0.00	0.97	11.141	O	|	|	|	|	13.53	54.583	0.00	0.96	10.730	O	|	|	|	|	13.22
49.500	0.00	0.97	11.134	O	|	|	|	|	13.52	54.667	0.00	0.96	10.724	O	|	|	|	|	13.22
49.583	0.00	0.97	11.128	O	|	|	|	|	13.52	54.750	0.00	0.96	10.717	O	|	|	|	|	13.21
49.667	0.00	0.97	11.121	O	|	|	|	|	13.51	54.833	0.00	0.96	10.711	O	|	|	|	|	13.21
49.750	0.00	0.97	11.114	O	|	|	|	|	13.51	54.917	0.00	0.96	10.704	O	|	|	|	|	13.20
49.833	0.00	0.97	11.108	O	|	|	|	|	13.50	55.000	0.00	0.96	10.697	O	|	|	|	|	13.20
49.917	0.00	0.96	11.101	O	|	|	|	|	13.50	55.083	0.00	0.96	10.691	O	|	|	|	|	13.19
50.000	0.00	0.96	11.094	O	|	|	|	|	13.49	55.167	0.00	0.96	10.684	O	|	|	|	|	13.19
50.083	0.00	0.96	11.088	O	|	|	|	|	13.49	55.250	0.00	0.96	10.678	O	|	|	|	|	13.18
50.167	0.00	0.96	11.081	O	|	|	|	|	13.48	55.333	0.00	0.96	10.671	O	|	|	|	|	13.18
50.250	0.00	0.96	11.074	O	|	|	|	|	13.48	55.417	0.00	0.96	10.665	O	|	|	|	|	13.17
50.333	0.00	0.96	11.068	O	|	|	|	|	13.47	55.500	0.00	0.95	10.658	O	|	|	|	|	13.17
50.417	0.00	0.96	11.061	O	|	|	|	|	13.47	55.583	0.00	0.95	10.651	O	|	|	|	|	13.16
50.500	0.00	0.96	11.054	O	|	|	|	|	13.46	55.667	0.00	0.95	10.645	O	|	|	|	|	13.16
50.583	0.00	0.96	11.048	O	|	|	|	|	13.46	55.750	0.00	0.95	10.638	O	|	|	|	|	13.15
50.667	0.00	0.96	11.041	O	|	|	|	|	13.45	55.833	0.00	0.95	10.632	O	|	|	|	|	13.15
50.750	0.00	0.96	11.035	O	|	|	|	|	13.45	55.917	0.00	0.95	10.625	O	|	|	|	|	13.14
50.833	0.00	0.96	11.028	O	|	|	|	|	13.44	56.000	0.00	0.95	10.619	O	|	|	|	|	13.14
50.917	0.00	0.96	11.021	O	|	|	|	|	13.44	56.083	0.00	0.95	10.612	O	|	|	|	|	13.13
51.000	0.00	0.96	11.015	O	|	|	|	|	13.43	56.167	0.00	0.95	10.605	O	|	|	|	|	13.13
51.083	0.00	0.96	11.008	O	|	|	|	|	13.43	56.250	0.00	0.95	10.599	O	|	|	|	|	13.12
51.167	0.00	0.96	11.001	O	|	|	|	|	13.42	56.333	0.00	0.95	10.592	O	|	|	|	|	13.12
51.250	0.00	0.96	10.995	O	|	|	|	|	13.42	56.417	0.00	0.95	10.586	O	|	|	|	|	13.11
51.333	0.00	0.96	10.988	O	|	|	|	|	13.41	56.500	0.00	0.95	10.579	O	|	|	|	|	13.11
51.417	0.00	0.96	10.981	O	|	|	|	|	13.41	56.583	0.00	0.95	10.573	O	|	|	|	|	13.10
51.500	0.00	0.96	10.975	O	|	|	|	|	13.40	56.667	0.00	0.95	10.566	O	|	|	|	|	13.10
51.583	0.00	0.96	10.968	O	|	|	|	|	13.40	56.750	0.00	0.95	10.559	O	|	|	|	|	13.09
51.667	0.00	0.96	10.962	O	|	|	|	|	13.39	56.833	0.00	0.95	10.553	O	|	|	|	|	13.09
51.750	0.00	0.96	10.955	O	|	|	|	|	13.39	56.917	0.00	0.95	10.546	O	|	|	|	|	13.08
51.833	0.00	0.96	10.948	O	|	|	|	|	13.38	57.000	0.00	0.95	10.540	O	|	|	|	|	13.08
51.917	0.00	0.96	10.942	O	|	|	|	|	13.38	57.083	0.00	0.95	10.533	O	|	|	|	|	13.07
52.000	0.00	0.96	10.935	O	|	|	|	|	13.37	57.167	0.00	0.95	10.527	O	|	|	|	|	13.07
52.083	0.00	0.96	10.929	O	|	|	|	|	13.37	57.250	0.00	0.95	10.520	O	|	|	|	|	13.06

57.333	0.00	0.95	10.514	O	|	|	|	|	13.06	62.500	0.00	0.94	10.110	O	|	|	|	|	12.74
57.417	0.00	0.95	10.507	O	|	|	|	|	13.05	62.583	0.00	0.94	10.103	O	|	|	|	|	12.73
57.500	0.00	0.95	10.500	O	|	|	|	|	13.05	62.667	0.00	0.94	10.097	O	|	|	|	|	12.73
57.583	0.00	0.95	10.494	O	|	|	|	|	13.04	62.750	0.00	0.94	10.090	O	|	|	|	|	12.72
57.667	0.00	0.95	10.487	O	|	|	|	|	13.04	62.833	0.00	0.94	10.084	O	|	|	|	|	12.72
57.750	0.00	0.95	10.481	O	|	|	|	|	13.03	62.917	0.00	0.94	10.077	O	|	|	|	|	12.71
57.833	0.00	0.95	10.474	O	|	|	|	|	13.03	63.000	0.00	0.94	10.071	O	|	|	|	|	12.71
57.917	0.00	0.95	10.468	O	|	|	|	|	13.02	63.083	0.00	0.94	10.064	O	|	|	|	|	12.70
58.000	0.00	0.95	10.461	O	|	|	|	|	13.02	63.167	0.00	0.94	10.058	O	|	|	|	|	12.70
58.083	0.00	0.95	10.455	O	|	|	|	|	13.01	63.250	0.00	0.94	10.051	O	|	|	|	|	12.69
58.167	0.00	0.95	10.448	O	|	|	|	|	13.01	63.333	0.00	0.94	10.045	O	|	|	|	|	12.69
58.250	0.00	0.95	10.442	O	|	|	|	|	13.00	63.417	0.00	0.94	10.039	O	|	|	|	|	12.68
58.333	0.00	0.95	10.435	O	|	|	|	|	13.00	63.500	0.00	0.94	10.032	O	|	|	|	|	12.68
58.417	0.00	0.95	10.428	O	|	|	|	|	12.99	63.583	0.00	0.94	10.026	O	|	|	|	|	12.67
58.500	0.00	0.95	10.422	O	|	|	|	|	12.99	63.667	0.00	0.94	10.019	O	|	|	|	|	12.67
58.583	0.00	0.95	10.415	O	|	|	|	|	12.98	63.750	0.00	0.94	10.013	O	|	|	|	|	12.66
58.667	0.00	0.95	10.409	O	|	|	|	|	12.98	63.833	0.00	0.94	10.006	O	|	|	|	|	12.66
58.750	0.00	0.95	10.402	O	|	|	|	|	12.97	63.917	0.00	0.94	10.000	O	|	|	|	|	12.65
58.833	0.00	0.95	10.396	O	|	|	|	|	12.97	64.000	0.00	0.94	9.993	O	|	|	|	|	12.64
58.917	0.00	0.95	10.389	O	|	|	|	|	12.96	64.083	0.00	0.94	9.987	O	|	|	|	|	12.64
59.000	0.00	0.95	10.383	O	|	|	|	|	12.96	64.167	0.00	0.94	9.981	O	|	|	|	|	12.63
59.083	0.00	0.95	10.376	O	|	|	|	|	12.95	64.250	0.00	0.94	9.974	O	|	|	|	|	12.63
59.167	0.00	0.95	10.370	O	|	|	|	|	12.95	64.333	0.00	0.93	9.968	O	|	|	|	|	12.62
59.250	0.00	0.95	10.363	O	|	|	|	|	12.94	64.417	0.00	0.93	9.961	O	|	|	|	|	12.62
59.333	0.00	0.95	10.357	O	|	|	|	|	12.94	64.500	0.00	0.93	9.955	O	|	|	|	|	12.61
59.417	0.00	0.95	10.350	O	|	|	|	|	12.93	64.583	0.00	0.93	9.948	O	|	|	|	|	12.61
59.500	0.00	0.95	10.344	O	|	|	|	|	12.93	64.667	0.00	0.93	9.942	O	|	|	|	|	12.60
59.583	0.00	0.95	10.337	O	|	|	|	|	12.92	64.750	0.00	0.93	9.935	O	|	|	|	|	12.60
59.667	0.00	0.95	10.330	O	|	|	|	|	12.92	64.833	0.00	0.93	9.929	O	|	|	|	|	12.59
59.750	0.00	0.95	10.324	O	|	|	|	|	12.91	64.917	0.00	0.93	9.923	O	|	|	|	|	12.59
59.833	0.00	0.95	10.317	O	|	|	|	|	12.90	65.000	0.00	0.93	9.916	O	|	|	|	|	12.58
59.917	0.00	0.95	10.311	O	|	|	|	|	12.90	65.083	0.00	0.93	9.910	O	|	|	|	|	12.58
60.000	0.00	0.95	10.304	O	|	|	|	|	12.89	65.167	0.00	0.93	9.903	O	|	|	|	|	12.57
60.083	0.00	0.95	10.298	O	|	|	|	|	12.89	65.250	0.00	0.93	9.897	O	|	|	|	|	12.57
60.167	0.00	0.95	10.291	O	|	|	|	|	12.88	65.333	0.00	0.93	9.890	O	|	|	|	|	12.56
60.250	0.00	0.95	10.285	O	|	|	|	|	12.88	65.417	0.00	0.93	9.884	O	|	|	|	|	12.56
60.333	0.00	0.94	10.278	O	|	|	|	|	12.87	65.500	0.00	0.93	9.878	O	|	|	|	|	12.55
60.417	0.00	0.94	10.272	O	|	|	|	|	12.87	65.583	0.00	0.93	9.871	O	|	|	|	|	12.55
60.500	0.00	0.94	10.265	O	|	|	|	|	12.86	65.667	0.00	0.93	9.865	O	|	|	|	|	12.54
60.583	0.00	0.94	10.259	O	|	|	|	|	12.86	65.750	0.00	0.93	9.858	O	|	|	|	|	12.54
60.667	0.00	0.94	10.252	O	|	|	|	|	12.85	65.833	0.00	0.93	9.852	O	|	|	|	|	12.53
60.750	0.00	0.94	10.246	O	|	|	|	|	12.85	65.917	0.00	0.93	9.846	O	|	|	|	|	12.53
60.833	0.00	0.94	10.239	O	|	|	|	|	12.84	66.000	0.00	0.93	9.839	O	|	|	|	|	12.52
60.917	0.00	0.94	10.233	O	|	|	|	|	12.84	66.083	0.00	0.93	9.833	O	|	|	|	|	12.52
61.000	0.00	0.94	10.226	O	|	|	|	|	12.83	66.167	0.00	0.93	9.826	O	|	|	|	|	12.51
61.083	0.00	0.94	10.220	O	|	|	|	|	12.83	66.250	0.00	0.93	9.820	O	|	|	|	|	12.51
61.167	0.00	0.94	10.213	O	|	|	|	|	12.82	66.333	0.00	0.93	9.814	O	|	|	|	|	12.50
61.250	0.00	0.94	10.207	O	|	|	|	|	12.82	66.417	0.00	0.93	9.807	O	|	|	|	|	12.50
61.333	0.00	0.94	10.200	O	|	|	|	|	12.81	66.500	0.00	0.93	9.801	O	|	|	|	|	12.49
61.417	0.00	0.94	10.194	O	|	|	|	|	12.81	66.583	0.00	0.93	9.794	O	|	|	|	|	12.48
61.500	0.00	0.94	10.187	O	|	|	|	|	12.80	66.667	0.00	0.93	9.788	O	|	|	|	|	12.48
61.583	0.00	0.94	10.181	O	|	|	|	|	12.80	66.750	0.00	0.93	9.781	O	|	|	|	|	12.47
61.667	0.00	0.94	10.174	O	|	|	|	|	12.79	66.833	0.00	0.93	9.775	O	|	|	|	|	12.47
61.750	0.00	0.94	10.168	O	|	|	|	|	12.78	66.917	0.00	0.93	9.769	O	|	|	|	|	12.46
61.833	0.00	0.94	10.161	O	|	|	|	|	12.78	67.000	0.00	0.93	9.762	O	|	|	|	|	12.46
61.917	0.00	0.94	10.155	O	|	|	|	|	12.77	67.083	0.00	0.93	9.756	O	|	|	|	|	12.45
62.000	0.00	0.94	10.148	O	|	|	|	|	12.77	67.167	0.00	0.93	9.750	O	|	|	|	|	12.45
62.083	0.00	0.94	10.142	O	|	|	|	|	12.76	67.250	0.00	0.93	9.743	O	|	|	|	|	12.44
62.167	0.00	0.94	10.136	O	|	|	|	|	12.76	67.333	0.00	0.93	9.737	O	|	|	|	|	12.44
62.250	0.00	0.94	10.129	O	|	|	|	|	12.75	67.417	0.00	0.93	9.730	O	|	|	|	|	12.43
62.333	0.00	0.94	10.123	O	|	|	|	|	12.75	67.500	0.00	0.93	9.724	O	|	|	|	|	12.43
62.417	0.00	0.94	10.116	O	|	|	|	|	12.74	67.583	0.00	0.93	9.718	O	|	|	|	|	12.42

67.667	0.00	0.93	9.711	O	|	|	|	|	12.42	72.833	0.00	0.91	9.318	O	|	|	|	|	12.10
67.750	0.00	0.93	9.705	O	|	|	|	|	12.41	72.917	0.00	0.91	9.312	O	|	|	|	|	12.10
67.833	0.00	0.93	9.698	O	|	|	|	|	12.41	73.000	0.00	0.91	9.306	O	|	|	|	|	12.09
67.917	0.00	0.93	9.692	O	|	|	|	|	12.40	73.083	0.00	0.91	9.299	O	|	|	|	|	12.09
68.000	0.00	0.93	9.686	O	|	|	|	|	12.40	73.167	0.00	0.91	9.293	O	|	|	|	|	12.08
68.083	0.00	0.93	9.679	O	|	|	|	|	12.39	73.250	0.00	0.91	9.287	O	|	|	|	|	12.08
68.167	0.00	0.93	9.673	O	|	|	|	|	12.39	73.333	0.00	0.91	9.280	O	|	|	|	|	12.07
68.250	0.00	0.93	9.667	O	|	|	|	|	12.38	73.417	0.00	0.91	9.274	O	|	|	|	|	12.07
68.333	0.00	0.93	9.660	O	|	|	|	|	12.38	73.500	0.00	0.91	9.268	O	|	|	|	|	12.06
68.417	0.00	0.92	9.654	O	|	|	|	|	12.37	73.583	0.00	0.91	9.262	O	|	|	|	|	12.06
68.500	0.00	0.92	9.647	O	|	|	|	|	12.37	73.667	0.00	0.91	9.255	O	|	|	|	|	12.05
68.583	0.00	0.92	9.641	O	|	|	|	|	12.36	73.750	0.00	0.91	9.249	O	|	|	|	|	12.05
68.667	0.00	0.92	9.635	O	|	|	|	|	12.36	73.833	0.00	0.91	9.243	O	|	|	|	|	12.04
68.750	0.00	0.92	9.628	O	|	|	|	|	12.35	73.917	0.00	0.91	9.236	O	|	|	|	|	12.04
68.833	0.00	0.92	9.622	O	|	|	|	|	12.35	74.000	0.00	0.91	9.230	O	|	|	|	|	12.03
68.917	0.00	0.92	9.616	O	|	|	|	|	12.34	74.083	0.00	0.91	9.224	O	|	|	|	|	12.03
69.000	0.00	0.92	9.609	O	|	|	|	|	12.34	74.167	0.00	0.91	9.218	O	|	|	|	|	12.02
69.083	0.00	0.92	9.603	O	|	|	|	|	12.33	74.250	0.00	0.91	9.211	O	|	|	|	|	12.02
69.167	0.00	0.92	9.597	O	|	|	|	|	12.33	74.333	0.00	0.91	9.205	O	|	|	|	|	12.01
69.250	0.00	0.92	9.590	O	|	|	|	|	12.32	74.417	0.00	0.91	9.199	O	|	|	|	|	12.01
69.333	0.00	0.92	9.584	O	|	|	|	|	12.32	74.500	0.00	0.91	9.193	O	|	|	|	|	12.00
69.417	0.00	0.92	9.577	O	|	|	|	|	12.31	74.583	0.00	0.91	9.186	O	|	|	|	|	12.00
69.500	0.00	0.92	9.571	O	|	|	|	|	12.31	74.667	0.00	0.91	9.180	O	|	|	|	|	11.99
69.583	0.00	0.92	9.565	O	|	|	|	|	12.30	74.750	0.00	0.91	9.174	O	|	|	|	|	11.99
69.667	0.00	0.92	9.558	O	|	|	|	|	12.30	74.833	0.00	0.91	9.167	O	|	|	|	|	11.98
69.750	0.00	0.92	9.552	O	|	|	|	|	12.29	74.917	0.00	0.91	9.161	O	|	|	|	|	11.98
69.833	0.00	0.92	9.546	O	|	|	|	|	12.29	75.000	0.00	0.91	9.155	O	|	|	|	|	11.97
69.917	0.00	0.92	9.539	O	|	|	|	|	12.28	75.083	0.00	0.91	9.149	O	|	|	|	|	11.96
70.000	0.00	0.92	9.533	O	|	|	|	|	12.28	75.167	0.00	0.91	9.142	O	|	|	|	|	11.96
70.083	0.00	0.92	9.527	O	|	|	|	|	12.27	75.250	0.00	0.91	9.136	O	|	|	|	|	11.95
70.167	0.00	0.92	9.520	O	|	|	|	|	12.27	75.333	0.00	0.91	9.130	O	|	|	|	|	11.95
70.250	0.00	0.92	9.514	O	|	|	|	|	12.26	75.417	0.00	0.91	9.124	O	|	|	|	|	11.94
70.333	0.00	0.92	9.508	O	|	|	|	|	12.25	75.500	0.00	0.91	9.117	O	|	|	|	|	11.94
70.417	0.00	0.92	9.501	O	|	|	|	|	12.25	75.583	0.00	0.91	9.111	O	|	|	|	|	11.93
70.500	0.00	0.92	9.495	O	|	|	|	|	12.24	75.667	0.00	0.91	9.105	O	|	|	|	|	11.93
70.583	0.00	0.92	9.489	O	|	|	|	|	12.24	75.750	0.00	0.91	9.099	O	|	|	|	|	11.92
70.667	0.00	0.92	9.482	O	|	|	|	|	12.23	75.833	0.00	0.91	9.092	O	|	|	|	|	11.92
70.750	0.00	0.92	9.476	O	|	|	|	|	12.23	75.917	0.00	0.91	9.086	O	|	|	|	|	11.91
70.833	0.00	0.92	9.470	O	|	|	|	|	12.22	76.000	0.00	0.91	9.080	O	|	|	|	|	11.90
70.917	0.00	0.92	9.463	O	|	|	|	|	12.22	76.083	0.00	0.91	9.074	O	|	|	|	|	11.90
71.000	0.00	0.92	9.457	O	|	|	|	|	12.21	76.167	0.00	0.91	9.067	O	|	|	|	|	11.89
71.083	0.00	0.92	9.451	O	|	|	|	|	12.21	76.250	0.00	0.91	9.061	O	|	|	|	|	11.89
71.167	0.00	0.92	9.444	O	|	|	|	|	12.20	76.333	0.00	0.91	9.055	O	|	|	|	|	11.88
71.250	0.00	0.92	9.438	O	|	|	|	|	12.20	76.417	0.00	0.91	9.049	O	|	|	|	|	11.88
71.333	0.00	0.92	9.432	O	|	|	|	|	12.19	76.500	0.00	0.91	9.042	O	|	|	|	|	11.87
71.417	0.00	0.92	9.425	O	|	|	|	|	12.19	76.583	0.00	0.91	9.036	O	|	|	|	|	11.87
71.500	0.00	0.92	9.419	O	|	|	|	|	12.18	76.667	0.00	0.91	9.030	O	|	|	|	|	11.86
71.583	0.00	0.92	9.413	O	|	|	|	|	12.18	76.750	0.00	0.91	9.024	O	|	|	|	|	11.86
71.667	0.00	0.92	9.406	O	|	|	|	|	12.17	76.833	0.00	0.91	9.017	O	|	|	|	|	11.85
71.750	0.00	0.92	9.400	O	|	|	|	|	12.17	76.917	0.00	0.91	9.011	O	|	|	|	|	11.85
71.833	0.00	0.92	9.394	O	|	|	|	|	12.16	77.000	0.00	0.91	9.005	O	|	|	|	|	11.84
71.917	0.00	0.92	9.388	O	|	|	|	|	12.16	77.083	0.00	0.91	8.999	O	|	|	|	|	11.83
72.000	0.00	0.92	9.381	O	|	|	|	|	12.15	77.167	0.00	0.90	8.993	O	|	|	|	|	11.83
72.083	0.00	0.92	9.375	O	|	|	|	|	12.15	77.250	0.00	0.90	8.986	O	|	|	|	|	11.82
72.167	0.00	0.92	9.369	O	|	|	|	|	12.14	77.333	0.00	0.90	8.980	O	|	|	|	|	11.82
72.250	0.00	0.92	9.362	O	|	|	|	|	12.14	77.417	0.00	0.90	8.974	O	|	|	|	|	11.81
72.333	0.00	0.92	9.356	O	|	|	|	|	12.13	77.500	0.00	0.90	8.968	O	|	|	|	|	11.81
72.417	0.00	0.92	9.350	O	|	|	|	|	12.13	77.583	0.00	0.90	8.961	O	|	|	|	|	11.80
72.500	0.00	0.91	9.343	O	|	|	|	|	12.12	77.667	0.00	0.90	8.955	O	|	|	|	|	11.80
72.583	0.00	0.91	9.337	O	|	|	|	|	12.12	77.750	0.00	0.90	8.949	O	|	|	|	|	11.79
72.667	0.00	0.91	9.331	O	|	|	|	|	12.11	77.833	0.00	0.90	8.943	O	|	|	|	|	11.79
72.750	0.00	0.91	9.324	O	|	|	|	|	12.11	77.917	0.00	0.90	8.937	O	|	|	|	|	11.78

78.000	0.00	0.90	8.930	O	|	|	|	|	11.78	83.167	0.00	0.89	8.547	O	|	|	|	|	11.44
78.083	0.00	0.90	8.924	O	|	|	|	|	11.77	83.250	0.00	0.89	8.541	O	|	|	|	|	11.44
78.167	0.00	0.90	8.918	O	|	|	|	|	11.76	83.333	0.00	0.89	8.534	O	|	|	|	|	11.43
78.250	0.00	0.90	8.912	O	|	|	|	|	11.76	83.417	0.00	0.89	8.528	O	|	|	|	|	11.43
78.333	0.00	0.90	8.905	O	|	|	|	|	11.75	83.500	0.00	0.89	8.522	O	|	|	|	|	11.42
78.417	0.00	0.90	8.899	O	|	|	|	|	11.75	83.583	0.00	0.89	8.516	O	|	|	|	|	11.42
78.500	0.00	0.90	8.893	O	|	|	|	|	11.74	83.667	0.00	0.89	8.510	O	|	|	|	|	11.41
78.583	0.00	0.90	8.887	O	|	|	|	|	11.74	83.750	0.00	0.89	8.504	O	|	|	|	|	11.41
78.667	0.00	0.90	8.881	O	|	|	|	|	11.73	83.833	0.00	0.89	8.498	O	|	|	|	|	11.40
78.750	0.00	0.90	8.874	O	|	|	|	|	11.73	83.917	0.00	0.89	8.491	O	|	|	|	|	11.40
78.833	0.00	0.90	8.868	O	|	|	|	|	11.72	84.000	0.00	0.89	8.485	O	|	|	|	|	11.39
78.917	0.00	0.90	8.862	O	|	|	|	|	11.72	84.083	0.00	0.89	8.479	O	|	|	|	|	11.38
79.000	0.00	0.90	8.856	O	|	|	|	|	11.71	84.167	0.00	0.89	8.473	O	|	|	|	|	11.38
79.083	0.00	0.90	8.850	O	|	|	|	|	11.71	84.250	0.00	0.89	8.467	O	|	|	|	|	11.37
79.167	0.00	0.90	8.843	O	|	|	|	|	11.70	84.333	0.00	0.89	8.461	O	|	|	|	|	11.37
79.250	0.00	0.90	8.837	O	|	|	|	|	11.69	84.417	0.00	0.89	8.455	O	|	|	|	|	11.36
79.333	0.00	0.90	8.831	O	|	|	|	|	11.69	84.500	0.00	0.89	8.448	O	|	|	|	|	11.36
79.417	0.00	0.90	8.825	O	|	|	|	|	11.68	84.583	0.00	0.89	8.442	O	|	|	|	|	11.35
79.500	0.00	0.90	8.819	O	|	|	|	|	11.68	84.667	0.00	0.89	8.436	O	|	|	|	|	11.35
79.583	0.00	0.90	8.812	O	|	|	|	|	11.67	84.750	0.00	0.89	8.430	O	|	|	|	|	11.34
79.667	0.00	0.90	8.806	O	|	|	|	|	11.67	84.833	0.00	0.89	8.424	O	|	|	|	|	11.34
79.750	0.00	0.90	8.800	O	|	|	|	|	11.66	84.917	0.00	0.89	8.418	O	|	|	|	|	11.33
79.833	0.00	0.90	8.794	O	|	|	|	|	11.66	85.000	0.00	0.89	8.412	O	|	|	|	|	11.33
79.917	0.00	0.90	8.788	O	|	|	|	|	11.65	85.083	0.00	0.89	8.406	O	|	|	|	|	11.32
80.000	0.00	0.90	8.781	O	|	|	|	|	11.65	85.167	0.00	0.89	8.399	O	|	|	|	|	11.32
80.083	0.00	0.90	8.775	O	|	|	|	|	11.64	85.250	0.00	0.89	8.393	O	|	|	|	|	11.31
80.167	0.00	0.90	8.769	O	|	|	|	|	11.64	85.333	0.00	0.89	8.387	O	|	|	|	|	11.30
80.250	0.00	0.90	8.763	O	|	|	|	|	11.63	85.417	0.00	0.89	8.381	O	|	|	|	|	11.30
80.333	0.00	0.90	8.757	O	|	|	|	|	11.62	85.500	0.00	0.89	8.375	O	|	|	|	|	11.29
80.417	0.00	0.90	8.750	O	|	|	|	|	11.62	85.583	0.00	0.89	8.369	O	|	|	|	|	11.29
80.500	0.00	0.90	8.744	O	|	|	|	|	11.61	85.667	0.00	0.89	8.363	O	|	|	|	|	11.28
80.583	0.00	0.90	8.738	O	|	|	|	|	11.61	85.750	0.00	0.89	8.357	O	|	|	|	|	11.28
80.667	0.00	0.90	8.732	O	|	|	|	|	11.60	85.833	0.00	0.89	8.350	O	|	|	|	|	11.27
80.750	0.00	0.90	8.726	O	|	|	|	|	11.60	85.917	0.00	0.89	8.344	O	|	|	|	|	11.27
80.833	0.00	0.90	8.719	O	|	|	|	|	11.59	86.000	0.00	0.89	8.338	O	|	|	|	|	11.26
80.917	0.00	0.90	8.713	O	|	|	|	|	11.59	86.083	0.00	0.89	8.332	O	|	|	|	|	11.26
81.000	0.00	0.90	8.707	O	|	|	|	|	11.58	86.167	0.00	0.89	8.326	O	|	|	|	|	11.25
81.083	0.00	0.90	8.701	O	|	|	|	|	11.58	86.250	0.00	0.89	8.320	O	|	|	|	|	11.25
81.167	0.00	0.90	8.695	O	|	|	|	|	11.57	86.333	0.00	0.89	8.314	O	|	|	|	|	11.24
81.250	0.00	0.90	8.689	O	|	|	|	|	11.57	86.417	0.00	0.89	8.308	O	|	|	|	|	11.24
81.333	0.00	0.90	8.682	O	|	|	|	|	11.56	86.500	0.00	0.89	8.302	O	|	|	|	|	11.23
81.417	0.00	0.90	8.676	O	|	|	|	|	11.56	86.583	0.00	0.89	8.295	O	|	|	|	|	11.23
81.500	0.00	0.90	8.670	O	|	|	|	|	11.55	86.667	0.00	0.89	8.289	O	|	|	|	|	11.22
81.583	0.00	0.90	8.664	O	|	|	|	|	11.54	86.750	0.00	0.89	8.283	O	|	|	|	|	11.21
81.667	0.00	0.90	8.658	O	|	|	|	|	11.54	86.833	0.00	0.89	8.277	O	|	|	|	|	11.21
81.750	0.00	0.90	8.651	O	|	|	|	|	11.53	86.917	0.00	0.89	8.271	O	|	|	|	|	11.20
81.833	0.00	0.90	8.645	O	|	|	|	|	11.53	87.000	0.00	0.89	8.265	O	|	|	|	|	11.20
81.917	0.00	0.90	8.639	O	|	|	|	|	11.52	87.083	0.00	0.89	8.259	O	|	|	|	|	11.19
82.000	0.00	0.90	8.633	O	|	|	|	|	11.52	87.167	0.00	0.89	8.253	O	|	|	|	|	11.19
82.083	0.00	0.90	8.627	O	|	|	|	|	11.51	87.250	0.00	0.89	8.247	O	|	|	|	|	11.18
82.167	0.00	0.90	8.621	O	|	|	|	|	11.51	87.333	0.00	0.89	8.241	O	|	|	|	|	11.18
82.250	0.00	0.90	8.614	O	|	|	|	|	11.50	87.417	0.00	0.89	8.234	O	|	|	|	|	11.17
82.333	0.00	0.89	8.608	O	|	|	|	|	11.50	87.500	0.00	0.89	8.228	O	|	|	|	|	11.17
82.417	0.00	0.89	8.602	O	|	|	|	|	11.49	87.583	0.00	0.88	8.222	O	|	|	|	|	11.16
82.500	0.00	0.89	8.596	O	|	|	|	|	11.49	87.667	0.00	0.88	8.216	O	|	|	|	|	11.16
82.583	0.00	0.89	8.590	O	|	|	|	|	11.48	87.750	0.00	0.88	8.210	O	|	|	|	|	11.15
82.667	0.00	0.89	8.584	O	|	|	|	|	11.48	87.833	0.00	0.88	8.204	O	|	|	|	|	11.15
82.750	0.00	0.89	8.578	O	|	|	|	|	11.47	87.917	0.00	0.88	8.198	O	|	|	|	|	11.14
82.833	0.00	0.89	8.571	O	|	|	|	|	11.46	88.000	0.00	0.88	8.192	O	|	|	|	|	11.14
82.917	0.00	0.89	8.565	O	|	|	|	|	11.46	88.083	0.00	0.88	8.186	O	|	|	|	|	11.13
83.000	0.00	0.89	8.559	O	|	|	|	|	11.45	88.167	0.00	0.88	8.180	O	|	|	|	|	11.13
83.083	0.00	0.89	8.553	O	|	|	|	|	11.45	88.250	0.00	0.88	8.174	O	|	|	|	|	11.12

88.333	0.00	0.88	8.167	O	|	|	|	|	11.11	93.500	0.00	0.87	7.793	O	|	|	|	|	10.77
88.417	0.00	0.88	8.161	O	|	|	|	|	11.11	93.583	0.00	0.87	7.787	O	|	|	|	|	10.77
88.500	0.00	0.88	8.155	O	|	|	|	|	11.10	93.667	0.00	0.87	7.781	O	|	|	|	|	10.76
88.583	0.00	0.88	8.149	O	|	|	|	|	11.10	93.750	0.00	0.87	7.775	O	|	|	|	|	10.76
88.667	0.00	0.88	8.143	O	|	|	|	|	11.09	93.833	0.00	0.87	7.769	O	|	|	|	|	10.75
88.750	0.00	0.88	8.137	O	|	|	|	|	11.09	93.917	0.00	0.87	7.763	O	|	|	|	|	10.75
88.833	0.00	0.88	8.131	O	|	|	|	|	11.08	94.000	0.00	0.87	7.757	O	|	|	|	|	10.74
88.917	0.00	0.88	8.125	O	|	|	|	|	11.08	94.083	0.00	0.87	7.751	O	|	|	|	|	10.74
89.000	0.00	0.88	8.119	O	|	|	|	|	11.07	94.167	0.00	0.87	7.745	O	|	|	|	|	10.73
89.083	0.00	0.88	8.113	O	|	|	|	|	11.07	94.250	0.00	0.87	7.739	O	|	|	|	|	10.72
89.167	0.00	0.88	8.107	O	|	|	|	|	11.06	94.333	0.00	0.87	7.733	O	|	|	|	|	10.72
89.250	0.00	0.88	8.101	O	|	|	|	|	11.06	94.417	0.00	0.87	7.727	O	|	|	|	|	10.71
89.333	0.00	0.88	8.094	O	|	|	|	|	11.05	94.500	0.00	0.87	7.721	O	|	|	|	|	10.71
89.417	0.00	0.88	8.088	O	|	|	|	|	11.05	94.583	0.00	0.87	7.715	O	|	|	|	|	10.70
89.500	0.00	0.88	8.082	O	|	|	|	|	11.04	94.667	0.00	0.87	7.709	O	|	|	|	|	10.70
89.583	0.00	0.88	8.076	O	|	|	|	|	11.04	94.750	0.00	0.87	7.703	O	|	|	|	|	10.69
89.667	0.00	0.88	8.070	O	|	|	|	|	11.03	94.833	0.00	0.87	7.697	O	|	|	|	|	10.69
89.750	0.00	0.88	8.064	O	|	|	|	|	11.03	94.917	0.00	0.87	7.691	O	|	|	|	|	10.68
89.833	0.00	0.88	8.058	O	|	|	|	|	11.02	95.000	0.00	0.87	7.685	O	|	|	|	|	10.67
89.917	0.00	0.88	8.052	O	|	|	|	|	11.01	95.083	0.00	0.87	7.679	O	|	|	|	|	10.67
90.000	0.00	0.88	8.046	O	|	|	|	|	11.01	95.167	0.00	0.87	7.673	O	|	|	|	|	10.66
90.083	0.00	0.88	8.040	O	|	|	|	|	11.00	95.250	0.00	0.87	7.667	O	|	|	|	|	10.66
90.167	0.00	0.88	8.034	O	|	|	|	|	11.00	95.333	0.00	0.87	7.661	O	|	|	|	|	10.65
90.250	0.00	0.88	8.028	O	|	|	|	|	10.99	95.417	0.00	0.87	7.655	O	|	|	|	|	10.65
90.333	0.00	0.88	8.022	O	|	|	|	|	10.99	95.500	0.00	0.87	7.649	O	|	|	|	|	10.64
90.417	0.00	0.88	8.016	O	|	|	|	|	10.98	95.583	0.00	0.87	7.643	O	|	|	|	|	10.64
90.500	0.00	0.88	8.010	O	|	|	|	|	10.98	95.667	0.00	0.87	7.637	O	|	|	|	|	10.63
90.583	0.00	0.88	8.004	O	|	|	|	|	10.97	95.750	0.00	0.86	7.631	O	|	|	|	|	10.62
90.667	0.00	0.88	7.997	O	|	|	|	|	10.97	95.833	0.00	0.86	7.625	O	|	|	|	|	10.62
90.750	0.00	0.88	7.991	O	|	|	|	|	10.96	95.917	0.00	0.86	7.619	O	|	|	|	|	10.61
90.833	0.00	0.88	7.985	O	|	|	|	|	10.95	96.000	0.00	0.86	7.613	O	|	|	|	|	10.61
90.917	0.00	0.88	7.979	O	|	|	|	|	10.95	96.083	0.00	0.86	7.607	O	|	|	|	|	10.60
91.000	0.00	0.88	7.973	O	|	|	|	|	10.94	96.167	0.00	0.86	7.601	O	|	|	|	|	10.60
91.083	0.00	0.88	7.967	O	|	|	|	|	10.94	96.250	0.00	0.86	7.596	O	|	|	|	|	10.59
91.167	0.00	0.88	7.961	O	|	|	|	|	10.93	96.333	0.00	0.86	7.590	O	|	|	|	|	10.59
91.250	0.00	0.88	7.955	O	|	|	|	|	10.93	96.417	0.00	0.86	7.584	O	|	|	|	|	10.58
91.333	0.00	0.88	7.949	O	|	|	|	|	10.92	96.500	0.00	0.86	7.578	O	|	|	|	|	10.57
91.417	0.00	0.88	7.943	O	|	|	|	|	10.91	96.583	0.00	0.86	7.572	O	|	|	|	|	10.57
91.500	0.00	0.88	7.937	O	|	|	|	|	10.91	96.667	0.00	0.86	7.566	O	|	|	|	|	10.56
91.583	0.00	0.88	7.931	O	|	|	|	|	10.90	96.750	0.00	0.86	7.560	O	|	|	|	|	10.56
91.667	0.00	0.88	7.925	O	|	|	|	|	10.90	96.833	0.00	0.86	7.554	O	|	|	|	|	10.55
91.750	0.00	0.88	7.919	O	|	|	|	|	10.89	96.917	0.00	0.86	7.548	O	|	|	|	|	10.55
91.833	0.00	0.88	7.913	O	|	|	|	|	10.89	97.000	0.00	0.86	7.542	O	|	|	|	|	10.54
91.917	0.00	0.88	7.907	O	|	|	|	|	10.88	97.083	0.00	0.86	7.536	O	|	|	|	|	10.54
92.000	0.00	0.88	7.901	O	|	|	|	|	10.88	97.167	0.00	0.86	7.530	O	|	|	|	|	10.53
92.083	0.00	0.87	7.895	O	|	|	|	|	10.87	97.250	0.00	0.86	7.524	O	|	|	|	|	10.52
92.167	0.00	0.87	7.889	O	|	|	|	|	10.86	97.333	0.00	0.86	7.518	O	|	|	|	|	10.52
92.250	0.00	0.87	7.883	O	|	|	|	|	10.86	97.417	0.00	0.86	7.512	O	|	|	|	|	10.51
92.333	0.00	0.87	7.877	O	|	|	|	|	10.85	97.500	0.00	0.86	7.506	O	|	|	|	|	10.51
92.417	0.00	0.87	7.871	O	|	|	|	|	10.85	97.583	0.00	0.86	7.501	O	|	|	|	|	10.50
92.500	0.00	0.87	7.865	O	|	|	|	|	10.84	97.667	0.00	0.86	7.495	O	|	|	|	|	10.50
92.583	0.00	0.87	7.859	O	|	|	|	|	10.84	97.750	0.00	0.86	7.489	O	|	|	|	|	10.49
92.667	0.00	0.87	7.853	O	|	|	|	|	10.83	97.833	0.00	0.86	7.483	O	|	|	|	|	10.49
92.750	0.00	0.87	7.847	O	|	|	|	|	10.82	97.917	0.00	0.86	7.477	O	|	|	|	|	10.48
92.833	0.00	0.87	7.841	O	|	|	|	|	10.82	98.000	0.00	0.86	7.471	O	|	|	|	|	10.48
92.917	0.00	0.87	7.835	O	|	|	|	|	10.81	98.083	0.00	0.86	7.465	O	|	|	|	|	10.47
93.000	0.00	0.87	7.829	O	|	|	|	|	10.81	98.167	0.00	0.86	7.459	O	|	|	|	|	10.46
93.083	0.00	0.87	7.823	O	|	|	|	|	10.80	98.250	0.00	0.86	7.453	O	|	|	|	|	10.46
93.167	0.00	0.87	7.817	O	|	|	|	|	10.80	98.333	0.00	0.86	7.447	O	|	|	|	|	10.45
93.250	0.00	0.87	7.811	O	|	|	|	|	10.79	98.417	0.00	0.86	7.441	O	|	|	|	|	10.45
93.333	0.00	0.87	7.805	O	|	|	|	|	10.79	98.500	0.00	0.86	7.435	O	|	|	|	|	10.44
93.417	0.00	0.87	7.799	O	|	|	|	|	10.78	98.583	0.00	0.86	7.430	O	|	|	|	|	10.44

98.667	0.00	0.86	7.424	O	|	|	|	|	10.43	103.833	0.00	0.84	7.061	O	|	|	|	|	10.09
98.750	0.00	0.86	7.418	O	|	|	|	|	10.43	103.917	0.00	0.84	7.055	O	|	|	|	|	10.09
98.833	0.00	0.86	7.412	O	|	|	|	|	10.42	104.000	0.00	0.84	7.049	O	|	|	|	|	10.08
98.917	0.00	0.86	7.406	O	|	|	|	|	10.41	104.083	0.00	0.84	7.043	O	|	|	|	|	10.08
99.000	0.00	0.86	7.400	O	|	|	|	|	10.41	104.167	0.00	0.84	7.037	O	|	|	|	|	10.07
99.083	0.00	0.86	7.394	O	|	|	|	|	10.40	104.250	0.00	0.84	7.031	O	|	|	|	|	10.07
99.167	0.00	0.86	7.388	O	|	|	|	|	10.40	104.333	0.00	0.84	7.026	O	|	|	|	|	10.06
99.250	0.00	0.86	7.382	O	|	|	|	|	10.39	104.417	0.00	0.84	7.020	O	|	|	|	|	10.06
99.333	0.00	0.86	7.377	O	|	|	|	|	10.39	104.500	0.00	0.84	7.014	O	|	|	|	|	10.05
99.417	0.00	0.86	7.371	O	|	|	|	|	10.38	104.583	0.00	0.84	7.008	O	|	|	|	|	10.04
99.500	0.00	0.86	7.365	O	|	|	|	|	10.38	104.667	0.00	0.84	7.002	O	|	|	|	|	10.04
99.583	0.00	0.85	7.359	O	|	|	|	|	10.37	104.750	0.00	0.84	6.997	O	|	|	|	|	10.03
99.667	0.00	0.85	7.353	O	|	|	|	|	10.37	104.833	0.00	0.84	6.991	O	|	|	|	|	10.03
99.750	0.00	0.85	7.347	O	|	|	|	|	10.36	104.917	0.00	0.84	6.985	O	|	|	|	|	10.02
99.833	0.00	0.85	7.341	O	|	|	|	|	10.35	105.000	0.00	0.84	6.979	O	|	|	|	|	10.02
99.917	0.00	0.85	7.335	O	|	|	|	|	10.35	105.083	0.00	0.84	6.974	O	|	|	|	|	10.01
100.000	0.00	0.85	7.329	O	|	|	|	|	10.34	105.167	0.00	0.84	6.968	O	|	|	|	|	10.01
100.083	0.00	0.85	7.324	O	|	|	|	|	10.34	105.250	0.00	0.84	6.962	O	|	|	|	|	10.00
100.167	0.00	0.85	7.318	O	|	|	|	|	10.33	105.333	0.00	0.84	6.956	O	|	|	|	|	10.00
100.250	0.00	0.85	7.312	O	|	|	|	|	10.33	105.417	0.00	0.84	6.950	O	|	|	|	|	9.99
100.333	0.00	0.85	7.306	O	|	|	|	|	10.32	105.500	0.00	0.84	6.945	O	|	|	|	|	9.98
100.417	0.00	0.85	7.300	O	|	|	|	|	10.32	105.583	0.00	0.84	6.939	O	|	|	|	|	9.98
100.500	0.00	0.85	7.294	O	|	|	|	|	10.31	105.667	0.00	0.84	6.933	O	|	|	|	|	9.97
100.583	0.00	0.85	7.288	O	|	|	|	|	10.31	105.750	0.00	0.84	6.927	O	|	|	|	|	9.97
100.667	0.00	0.85	7.282	O	|	|	|	|	10.30	105.833	0.00	0.84	6.922	O	|	|	|	|	9.96
100.750	0.00	0.85	7.277	O	|	|	|	|	10.29	105.917	0.00	0.84	6.916	O	|	|	|	|	9.96
100.833	0.00	0.85	7.271	O	|	|	|	|	10.29	106.000	0.00	0.84	6.910	O	|	|	|	|	9.95
100.917	0.00	0.85	7.265	O	|	|	|	|	10.28	106.083	0.00	0.84	6.904	O	|	|	|	|	9.94
101.000	0.00	0.85	7.259	O	|	|	|	|	10.28	106.167	0.00	0.84	6.899	O	|	|	|	|	9.94
101.083	0.00	0.85	7.253	O	|	|	|	|	10.27	106.250	0.00	0.83	6.893	O	|	|	|	|	9.93
101.167	0.00	0.85	7.247	O	|	|	|	|	10.27	106.333	0.00	0.83	6.887	O	|	|	|	|	9.93
101.250	0.00	0.85	7.241	O	|	|	|	|	10.26	106.417	0.00	0.83	6.881	O	|	|	|	|	9.92
101.333	0.00	0.85	7.236	O	|	|	|	|	10.26	106.500	0.00	0.83	6.876	O	|	|	|	|	9.92
101.417	0.00	0.85	7.230	O	|	|	|	|	10.25	106.583	0.00	0.83	6.870	O	|	|	|	|	9.91
101.500	0.00	0.85	7.224	O	|	|	|	|	10.25	106.667	0.00	0.83	6.864	O	|	|	|	|	9.90
101.583	0.00	0.85	7.218	O	|	|	|	|	10.24	106.750	0.00	0.83	6.858	O	|	|	|	|	9.90
101.667	0.00	0.85	7.212	O	|	|	|	|	10.23	106.833	0.00	0.83	6.853	O	|	|	|	|	9.89
101.750	0.00	0.85	7.206	O	|	|	|	|	10.23	106.917	0.00	0.83	6.847	O	|	|	|	|	9.89
101.833	0.00	0.85	7.200	O	|	|	|	|	10.22	107.000	0.00	0.83	6.841	O	|	|	|	|	9.88
101.917	0.00	0.85	7.195	O	|	|	|	|	10.22	107.083	0.00	0.83	6.835	O	|	|	|	|	9.88
102.000	0.00	0.85	7.189	O	|	|	|	|	10.21	107.167	0.00	0.83	6.830	O	|	|	|	|	9.87
102.083	0.00	0.85	7.183	O	|	|	|	|	10.21	107.250	0.00	0.83	6.824	O	|	|	|	|	9.86
102.167	0.00	0.85	7.177	O	|	|	|	|	10.20	107.333	0.00	0.83	6.818	O	|	|	|	|	9.86
102.250	0.00	0.85	7.171	O	|	|	|	|	10.20	107.417	0.00	0.83	6.813	O	|	|	|	|	9.85
102.333	0.00	0.85	7.165	O	|	|	|	|	10.19	107.500	0.00	0.83	6.807	O	|	|	|	|	9.85
102.417	0.00	0.85	7.160	O	|	|	|	|	10.19	107.583	0.00	0.83	6.801	O	|	|	|	|	9.84
102.500	0.00	0.85	7.154	O	|	|	|	|	10.18	107.667	0.00	0.83	6.795	O	|	|	|	|	9.84
102.583	0.00	0.85	7.148	O	|	|	|	|	10.17	107.750	0.00	0.83	6.790	O	|	|	|	|	9.83
102.667	0.00	0.85	7.142	O	|	|	|	|	10.17	107.833	0.00	0.83	6.784	O	|	|	|	|	9.82
102.750	0.00	0.85	7.136	O	|	|	|	|	10.16	107.917	0.00	0.83	6.778	O	|	|	|	|	9.82
102.833	0.00	0.85	7.130	O	|	|	|	|	10.16	108.000	0.00	0.83	6.773	O	|	|	|	|	9.81
102.917	0.00	0.85	7.125	O	|	|	|	|	10.15	108.083	0.00	0.82	6.767	O	|	|	|	|	9.81
103.000	0.00	0.85	7.119	O	|	|	|	|	10.15	108.167	0.00	0.82	6.761	O	|	|	|	|	9.80
103.083	0.00	0.85	7.113	O	|	|	|	|	10.14	108.250	0.00	0.82	6.756	O	|	|	|	|	9.80
103.167	0.00	0.85	7.107	O	|	|	|	|	10.14	108.333	0.00	0.82	6.750	O	|	|	|	|	9.79
103.250	0.00	0.85	7.101	O	|	|	|	|	10.13	108.417	0.00	0.82	6.744	O	|	|	|	|	9.79
103.333	0.00	0.85	7.095	O	|	|	|	|	10.13	108.500	0.00	0.82	6.739	O	|	|	|	|	9.78
103.417	0.00	0.84	7.090	O	|	|	|	|	10.12	108.583	0.00	0.82	6.733	O	|	|	|	|	9.77
103.500	0.00	0.84	7.084	O	|	|	|	|	10.12	108.667	0.00	0.82	6.727	O	|	|	|	|	9.77
103.583	0.00	0.84	7.078	O	|	|	|	|	10.11	108.750	0.00	0.82	6.722	O	|	|	|	|	9.76
103.667	0.00	0.84	7.072	O	|	|	|	|	10.10	108.833	0.00	0.82	6.716	O	|	|	|	|	9.76
103.750	0.00	0.84	7.066	O	|	|	|	|	10.10	108.917	0.00	0.82	6.710	O	|	|	|	|	9.75

109.000	0.00	0.82	6.705	O	|	|	|	|	9.75	114.167	0.00	0.79	6.361	O	|	|	|	|	9.40
109.083	0.00	0.82	6.699	O	|	|	|	|	9.74	114.250	0.00	0.79	6.355	O	|	|	|	|	9.40
109.167	0.00	0.82	6.693	O	|	|	|	|	9.73	114.333	0.00	0.79	6.350	O	|	|	|	|	9.39
109.250	0.00	0.82	6.688	O	|	|	|	|	9.73	114.417	0.00	0.79	6.344	O	|	|	|	|	9.39
109.333	0.00	0.82	6.682	O	|	|	|	|	9.72	114.500	0.00	0.79	6.339	O	|	|	|	|	9.38
109.417	0.00	0.82	6.677	O	|	|	|	|	9.72	114.583	0.00	0.79	6.333	O	|	|	|	|	9.38
109.500	0.00	0.82	6.671	O	|	|	|	|	9.71	114.667	0.00	0.79	6.328	O	|	|	|	|	9.37
109.583	0.00	0.82	6.665	O	|	|	|	|	9.71	114.750	0.00	0.79	6.323	O	|	|	|	|	9.36
109.667	0.00	0.82	6.660	O	|	|	|	|	9.70	114.833	0.00	0.79	6.317	O	|	|	|	|	9.36
109.750	0.00	0.82	6.654	O	|	|	|	|	9.70	114.917	0.00	0.79	6.312	O	|	|	|	|	9.35
109.833	0.00	0.82	6.648	O	|	|	|	|	9.69	115.000	0.00	0.79	6.306	O	|	|	|	|	9.35
109.917	0.00	0.81	6.643	O	|	|	|	|	9.68	115.083	0.00	0.79	6.301	O	|	|	|	|	9.34
110.000	0.00	0.81	6.637	O	|	|	|	|	9.68	115.167	0.00	0.79	6.295	O	|	|	|	|	9.34
110.083	0.00	0.81	6.632	O	|	|	|	|	9.67	115.250	0.00	0.79	6.290	O	|	|	|	|	9.33
110.167	0.00	0.81	6.626	O	|	|	|	|	9.67	115.333	0.00	0.79	6.285	O	|	|	|	|	9.33
110.250	0.00	0.81	6.620	O	|	|	|	|	9.66	115.417	0.00	0.79	6.279	O	|	|	|	|	9.32
110.333	0.00	0.81	6.615	O	|	|	|	|	9.66	115.500	0.00	0.79	6.274	O	|	|	|	|	9.32
110.417	0.00	0.81	6.609	O	|	|	|	|	9.65	115.583	0.00	0.78	6.268	O	|	|	|	|	9.31
110.500	0.00	0.81	6.604	O	|	|	|	|	9.64	115.667	0.00	0.78	6.263	O	|	|	|	|	9.31
110.583	0.00	0.81	6.598	O	|	|	|	|	9.64	115.750	0.00	0.78	6.258	O	|	|	|	|	9.30
110.667	0.00	0.81	6.592	O	|	|	|	|	9.63	115.833	0.00	0.78	6.252	O	|	|	|	|	9.29
110.750	0.00	0.81	6.587	O	|	|	|	|	9.63	115.917	0.00	0.78	6.247	O	|	|	|	|	9.29
110.833	0.00	0.81	6.581	O	|	|	|	|	9.62	116.000	0.00	0.78	6.241	O	|	|	|	|	9.28
110.917	0.00	0.81	6.576	O	|	|	|	|	9.62	116.083	0.00	0.78	6.236	O	|	|	|	|	9.28
111.000	0.00	0.81	6.570	O	|	|	|	|	9.61	116.167	0.00	0.78	6.231	O	|	|	|	|	9.27
111.083	0.00	0.81	6.565	O	|	|	|	|	9.61	116.250	0.00	0.78	6.225	O	|	|	|	|	9.27
111.167	0.00	0.81	6.559	O	|	|	|	|	9.60	116.333	0.00	0.78	6.220	O	|	|	|	|	9.26
111.250	0.00	0.81	6.553	O	|	|	|	|	9.59	116.417	0.00	0.78	6.214	O	|	|	|	|	9.26
111.333	0.00	0.81	6.548	O	|	|	|	|	9.59	116.500	0.00	0.78	6.209	O	|	|	|	|	9.25
111.417	0.00	0.81	6.542	O	|	|	|	|	9.58	116.583	0.00	0.78	6.204	O	|	|	|	|	9.25
111.500	0.00	0.81	6.537	O	|	|	|	|	9.58	116.667	0.00	0.78	6.198	O	|	|	|	|	9.24
111.583	0.00	0.81	6.531	O	|	|	|	|	9.57	116.750	0.00	0.78	6.193	O	|	|	|	|	9.24
111.667	0.00	0.81	6.526	O	|	|	|	|	9.57	116.833	0.00	0.78	6.188	O	|	|	|	|	9.23
111.750	0.00	0.80	6.520	O	|	|	|	|	9.56	116.917	0.00	0.78	6.182	O	|	|	|	|	9.22
111.833	0.00	0.80	6.515	O	|	|	|	|	9.56	117.000	0.00	0.78	6.177	O	|	|	|	|	9.22
111.917	0.00	0.80	6.509	O	|	|	|	|	9.55	117.083	0.00	0.78	6.172	O	|	|	|	|	9.21
112.000	0.00	0.80	6.504	O	|	|	|	|	9.54	117.167	0.00	0.78	6.166	O	|	|	|	|	9.21
112.083	0.00	0.80	6.498	O	|	|	|	|	9.54	117.250	0.00	0.78	6.161	O	|	|	|	|	9.20
112.167	0.00	0.80	6.492	O	|	|	|	|	9.53	117.333	0.00	0.78	6.156	O	|	|	|	|	9.20
112.250	0.00	0.80	6.487	O	|	|	|	|	9.53	117.417	0.00	0.78	6.150	O	|	|	|	|	9.19
112.333	0.00	0.80	6.481	O	|	|	|	|	9.52	117.500	0.00	0.77	6.145	O	|	|	|	|	9.19
112.417	0.00	0.80	6.476	O	|	|	|	|	9.52	117.583	0.00	0.77	6.139	O	|	|	|	|	9.18
112.500	0.00	0.80	6.470	O	|	|	|	|	9.51	117.667	0.00	0.77	6.134	O	|	|	|	|	9.18
112.583	0.00	0.80	6.465	O	|	|	|	|	9.51	117.750	0.00	0.77	6.129	O	|	|	|	|	9.17
112.667	0.00	0.80	6.459	O	|	|	|	|	9.50	117.833	0.00	0.77	6.123	O	|	|	|	|	9.17
112.750	0.00	0.80	6.454	O	|	|	|	|	9.50	117.917	0.00	0.77	6.118	O	|	|	|	|	9.16
112.833	0.00	0.80	6.448	O	|	|	|	|	9.49	118.000	0.00	0.77	6.113	O	|	|	|	|	9.16
112.917	0.00	0.80	6.443	O	|	|	|	|	9.48	118.083	0.00	0.77	6.108	O	|	|	|	|	9.15
113.000	0.00	0.80	6.437	O	|	|	|	|	9.48	118.167	0.00	0.77	6.102	O	|	|	|	|	9.14
113.083	0.00	0.80	6.432	O	|	|	|	|	9.47	118.250	0.00	0.77	6.097	O	|	|	|	|	9.14
113.167	0.00	0.80	6.426	O	|	|	|	|	9.47	118.333	0.00	0.77	6.092	O	|	|	|	|	9.13
113.250	0.00	0.80	6.421	O	|	|	|	|	9.46	118.417	0.00	0.77	6.086	O	|	|	|	|	9.13
113.333	0.00	0.80	6.415	O	|	|	|	|	9.46	118.500	0.00	0.77	6.081	O	|	|	|	|	9.12
113.417	0.00	0.80	6.410	O	|	|	|	|	9.45	118.583	0.00	0.77	6.076	O	|	|	|	|	9.12
113.500	0.00	0.80	6.404	O	|	|	|	|	9.45	118.667	0.00	0.77	6.070	O	|	|	|	|	9.11
113.583	0.00	0.80	6.399	O	|	|	|	|	9.44	118.750	0.00	0.77	6.065	O	|	|	|	|	9.11
113.667	0.00	0.79	6.393	O	|	|	|	|	9.44	118.833	0.00	0.77	6.060	O	|	|	|	|	9.10
113.750	0.00	0.79	6.388	O	|	|	|	|	9.43	118.917	0.00	0.77	6.055	O	|	|	|	|	9.10
113.833	0.00	0.79	6.383	O	|	|	|	|	9.42	119.000	0.00	0.77	6.049	O	|	|	|	|	9.09
113.917	0.00	0.79	6.377	O	|	|	|	|	9.42	119.083	0.00	0.77	6.044	O	|	|	|	|	9.09
114.000	0.00	0.79	6.372	O	|	|	|	|	9.41	119.167	0.00	0.77	6.039	O	|	|	|	|	9.08
114.083	0.00	0.79	6.366	O	|	|	|	|	9.41	119.250	0.00	0.77	6.033	O	|	|	|	|	9.08

119.333	0.00	0.77	6.028	O					9.07	124.500	0.00	0.75	5.706	O					8.73
119.417	0.00	0.77	6.023	O					9.07	124.583	0.00	0.75	5.700	O					8.72
119.500	0.00	0.76	6.018	O					9.06	124.667	0.00	0.75	5.695	O					8.72
119.583	0.00	0.76	6.012	O					9.06	124.750	0.00	0.75	5.690	O					8.71
119.667	0.00	0.76	6.007	O					9.05	124.833	0.00	0.75	5.685	O					8.71
119.750	0.00	0.76	6.002	O					9.04	124.917	0.00	0.75	5.680	O					8.70
119.833	0.00	0.76	5.997	O					9.04	125.000	0.00	0.74	5.675	O					8.70
119.917	0.00	0.76	5.991	O					9.03	125.083	0.00	0.74	5.670	O					8.69
120.000	0.00	0.76	5.986	O					9.03	125.167	0.00	0.74	5.665	O					8.69
120.083	0.00	0.76	5.981	O					9.02	125.250	0.00	0.74	5.659	O					8.68
120.167	0.00	0.76	5.976	O					9.02	125.333	0.00	0.74	5.654	O					8.67
120.250	0.00	0.76	5.970	O					9.01	125.417	0.00	0.74	5.649	O					8.67
120.333	0.00	0.76	5.965	O					9.01	125.500	0.00	0.74	5.644	O					8.66
120.417	0.00	0.76	5.960	O					9.00	125.583	0.00	0.74	5.639	O					8.66
120.500	0.00	0.76	5.955	O					9.00	125.667	0.00	0.74	5.634	O					8.65
120.583	0.00	0.76	5.949	O					8.99	125.750	0.00	0.74	5.629	O					8.65
120.667	0.00	0.76	5.944	O					8.99	125.833	0.00	0.74	5.624	O					8.64
120.750	0.00	0.76	5.939	O					8.98	125.917	0.00	0.74	5.618	O					8.64
120.833	0.00	0.76	5.934	O					8.97	126.000	0.00	0.74	5.613	O					8.63
120.917	0.00	0.76	5.928	O					8.97	126.083	0.00	0.74	5.608	O					8.62
121.000	0.00	0.76	5.923	O					8.96	126.167	0.00	0.74	5.603	O					8.62
121.083	0.00	0.76	5.918	O					8.96	126.250	0.00	0.74	5.598	O					8.61
121.167	0.00	0.76	5.913	O					8.95	126.333	0.00	0.74	5.593	O					8.61
121.250	0.00	0.76	5.908	O					8.95	126.417	0.00	0.74	5.588	O					8.60
121.333	0.00	0.76	5.902	O					8.94	126.500	0.00	0.74	5.583	O					8.60
121.417	0.00	0.76	5.897	O					8.94	126.583	0.00	0.74	5.578	O					8.59
121.500	0.00	0.76	5.892	O					8.93	126.667	0.00	0.74	5.573	O					8.59
121.583	0.00	0.76	5.887	O					8.92	126.750	0.00	0.74	5.567	O					8.58
121.667	0.00	0.76	5.881	O					8.92	126.833	0.00	0.74	5.562	O					8.58
121.750	0.00	0.76	5.876	O					8.91	126.917	0.00	0.74	5.557	O					8.57
121.833	0.00	0.76	5.871	O					8.91	127.000	0.00	0.74	5.552	O					8.56
121.917	0.00	0.76	5.866	O					8.90	127.083	0.00	0.74	5.547	O					8.56
122.000	0.00	0.75	5.861	O					8.90	127.167	0.00	0.74	5.542	O					8.55
122.083	0.00	0.75	5.855	O					8.89	127.250	0.00	0.74	5.537	O					8.55
122.167	0.00	0.75	5.850	O					8.89	127.333	0.00	0.74	5.532	O					8.54
122.250	0.00	0.75	5.845	O					8.88	127.417	0.00	0.74	5.527	O					8.54
122.333	0.00	0.75	5.840	O					8.87	127.500	0.00	0.74	5.522	O					8.53
122.417	0.00	0.75	5.835	O					8.87	127.583	0.00	0.74	5.517	O					8.53
122.500	0.00	0.75	5.830	O					8.86	127.667	0.00	0.74	5.512	O					8.52
122.583	0.00	0.75	5.824	O					8.86	127.750	0.00	0.74	5.507	O					8.52
122.667	0.00	0.75	5.819	O					8.85	127.833	0.00	0.74	5.501	O					8.51
122.750	0.00	0.75	5.814	O					8.85	127.917	0.00	0.74	5.496	O					8.50
122.833	0.00	0.75	5.809	O					8.84	128.000	0.00	0.73	5.491	O					8.50
122.917	0.00	0.75	5.804	O					8.83	128.083	0.00	0.73	5.486	O					8.49
123.000	0.00	0.75	5.798	O					8.83	128.167	0.00	0.73	5.481	O					8.49
123.083	0.00	0.75	5.793	O					8.82	128.250	0.00	0.73	5.476	O					8.48
123.167	0.00	0.75	5.788	O					8.82	128.333	0.00	0.73	5.471	O					8.48
123.250	0.00	0.75	5.783	O					8.81	128.417	0.00	0.73	5.466	O					8.47
123.333	0.00	0.75	5.778	O					8.81	128.500	0.00	0.73	5.461	O					8.47
123.417	0.00	0.75	5.773	O					8.80	128.583	0.00	0.73	5.456	O					8.46
123.500	0.00	0.75	5.767	O					8.80	128.667	0.00	0.73	5.451	O					8.46
123.583	0.00	0.75	5.762	O					8.79	128.750	0.00	0.73	5.446	O					8.45
123.667	0.00	0.75	5.757	O					8.78	128.833	0.00	0.73	5.441	O					8.44
123.750	0.00	0.75	5.752	O					8.78	128.917	0.00	0.73	5.436	O					8.44
123.833	0.00	0.75	5.747	O					8.77	129.000	0.00	0.73	5.431	O					8.43
123.917	0.00	0.75	5.742	O					8.77	129.083	0.00	0.73	5.426	O					8.43
124.000	0.00	0.75	5.736	O					8.76	129.167	0.00	0.73	5.421	O					8.42
124.083	0.00	0.75	5.731	O					8.76	129.250	0.00	0.73	5.416	O					8.42
124.167	0.00	0.75	5.726	O					8.75	129.333	0.00	0.73	5.411	O					8.41
124.250	0.00	0.75	5.721	O					8.75	129.417	0.00	0.73	5.406	O					8.41
124.333	0.00	0.75	5.716	O					8.74	129.500	0.00	0.73	5.401	O					8.40
124.417	0.00	0.75	5.711	O					8.73	129.583	0.00	0.73	5.396	O					8.40

129.667	0.00	0.73	5.390	O	|	|	|	|	8.39	134.833	0.00	0.71	5.083	O	|	|	|	|	8.06
129.750	0.00	0.73	5.385	O	|	|	|	|	8.38	134.917	0.00	0.71	5.078	O	|	|	|	|	8.05
129.833	0.00	0.73	5.380	O	|	|	|	|	8.38	135.000	0.00	0.71	5.073	O	|	|	|	|	8.05
129.917	0.00	0.73	5.375	O	|	|	|	|	8.37	135.083	0.00	0.71	5.068	O	|	|	|	|	8.04
130.000	0.00	0.73	5.370	O	|	|	|	|	8.37	135.167	0.00	0.71	5.063	O	|	|	|	|	8.04
130.083	0.00	0.73	5.365	O	|	|	|	|	8.36	135.250	0.00	0.71	5.058	O	|	|	|	|	8.03
130.167	0.00	0.73	5.360	O	|	|	|	|	8.36	135.333	0.00	0.71	5.053	O	|	|	|	|	8.03
130.250	0.00	0.73	5.355	O	|	|	|	|	8.35	135.417	0.00	0.71	5.048	O	|	|	|	|	8.02
130.333	0.00	0.73	5.350	O	|	|	|	|	8.35	135.500	0.00	0.71	5.043	O	|	|	|	|	8.02
130.417	0.00	0.73	5.345	O	|	|	|	|	8.34	135.583	0.00	0.71	5.038	O	|	|	|	|	8.01
130.500	0.00	0.73	5.340	O	|	|	|	|	8.34	135.667	0.00	0.71	5.034	O	|	|	|	|	8.01
130.583	0.00	0.73	5.335	O	|	|	|	|	8.33	135.750	0.00	0.71	5.029	O	|	|	|	|	8.00
130.667	0.00	0.73	5.330	O	|	|	|	|	8.33	135.833	0.00	0.71	5.024	O	|	|	|	|	8.00
130.750	0.00	0.73	5.325	O	|	|	|	|	8.32	135.917	0.00	0.71	5.019	O	|	|	|	|	7.99
130.833	0.00	0.73	5.320	O	|	|	|	|	8.31	136.000	0.00	0.71	5.014	O	|	|	|	|	7.98
130.917	0.00	0.73	5.315	O	|	|	|	|	8.31	136.083	0.00	0.71	5.009	O	|	|	|	|	7.98
131.000	0.00	0.73	5.310	O	|	|	|	|	8.30	136.167	0.00	0.71	5.004	O	|	|	|	|	7.97
131.083	0.00	0.72	5.305	O	|	|	|	|	8.30	136.250	0.00	0.71	4.999	O	|	|	|	|	7.97
131.167	0.00	0.72	5.300	O	|	|	|	|	8.29	136.333	0.00	0.71	4.994	O	|	|	|	|	7.96
131.250	0.00	0.72	5.295	O	|	|	|	|	8.29	136.417	0.00	0.71	4.990	O	|	|	|	|	7.96
131.333	0.00	0.72	5.290	O	|	|	|	|	8.28	136.500	0.00	0.71	4.985	O	|	|	|	|	7.95
131.417	0.00	0.72	5.285	O	|	|	|	|	8.28	136.583	0.00	0.71	4.980	O	|	|	|	|	7.94
131.500	0.00	0.72	5.280	O	|	|	|	|	8.27	136.667	0.00	0.71	4.975	O	|	|	|	|	7.94
131.583	0.00	0.72	5.275	O	|	|	|	|	8.27	136.750	0.00	0.71	4.970	O	|	|	|	|	7.93
131.667	0.00	0.72	5.270	O	|	|	|	|	8.26	136.833	0.00	0.71	4.965	O	|	|	|	|	7.93
131.750	0.00	0.72	5.265	O	|	|	|	|	8.26	136.917	0.00	0.71	4.960	O	|	|	|	|	7.92
131.833	0.00	0.72	5.260	O	|	|	|	|	8.25	137.000	0.00	0.71	4.955	O	|	|	|	|	7.92
131.917	0.00	0.72	5.256	O	|	|	|	|	8.24	137.083	0.00	0.71	4.951	O	|	|	|	|	7.91
132.000	0.00	0.72	5.251	O	|	|	|	|	8.24	137.167	0.00	0.71	4.946	O	|	|	|	|	7.90
132.083	0.00	0.72	5.246	O	|	|	|	|	8.23	137.250	0.00	0.71	4.941	O	|	|	|	|	7.90
132.167	0.00	0.72	5.241	O	|	|	|	|	8.23	137.333	0.00	0.71	4.936	O	|	|	|	|	7.89
132.250	0.00	0.72	5.236	O	|	|	|	|	8.22	137.417	0.00	0.71	4.931	O	|	|	|	|	7.89
132.333	0.00	0.72	5.231	O	|	|	|	|	8.22	137.500	0.00	0.71	4.926	O	|	|	|	|	7.88
132.417	0.00	0.72	5.226	O	|	|	|	|	8.21	137.583	0.00	0.71	4.921	O	|	|	|	|	7.88
132.500	0.00	0.72	5.221	O	|	|	|	|	8.21	137.667	0.00	0.70	4.917	O	|	|	|	|	7.87
132.583	0.00	0.72	5.216	O	|	|	|	|	8.20	137.750	0.00	0.70	4.912	O	|	|	|	|	7.86
132.667	0.00	0.72	5.211	O	|	|	|	|	8.20	137.833	0.00	0.70	4.907	O	|	|	|	|	7.86
132.750	0.00	0.72	5.206	O	|	|	|	|	8.19	137.917	0.00	0.70	4.902	O	|	|	|	|	7.85
132.833	0.00	0.72	5.201	O	|	|	|	|	8.19	138.000	0.00	0.70	4.897	O	|	|	|	|	7.85
132.917	0.00	0.72	5.196	O	|	|	|	|	8.18	138.083	0.00	0.70	4.892	O	|	|	|	|	7.84
133.000	0.00	0.72	5.191	O	|	|	|	|	8.18	138.167	0.00	0.70	4.887	O	|	|	|	|	7.84
133.083	0.00	0.72	5.186	O	|	|	|	|	8.17	138.250	0.00	0.70	4.883	O	|	|	|	|	7.83
133.167	0.00	0.72	5.181	O	|	|	|	|	8.16	138.333	0.00	0.70	4.878	O	|	|	|	|	7.82
133.250	0.00	0.72	5.176	O	|	|	|	|	8.16	138.417	0.00	0.70	4.873	O	|	|	|	|	7.82
133.333	0.00	0.72	5.171	O	|	|	|	|	8.15	138.500	0.00	0.70	4.868	O	|	|	|	|	7.81
133.417	0.00	0.72	5.166	O	|	|	|	|	8.15	138.583	0.00	0.70	4.863	O	|	|	|	|	7.81
133.500	0.00	0.72	5.161	O	|	|	|	|	8.14	138.667	0.00	0.70	4.858	O	|	|	|	|	7.80
133.583	0.00	0.72	5.156	O	|	|	|	|	8.14	138.750	0.00	0.70	4.854	O	|	|	|	|	7.80
133.667	0.00	0.72	5.151	O	|	|	|	|	8.13	138.833	0.00	0.70	4.849	O	|	|	|	|	7.79
133.750	0.00	0.72	5.147	O	|	|	|	|	8.13	138.917	0.00	0.70	4.844	O	|	|	|	|	7.79
133.833	0.00	0.72	5.142	O	|	|	|	|	8.12	139.000	0.00	0.70	4.839	O	|	|	|	|	7.78
133.917	0.00	0.72	5.137	O	|	|	|	|	8.12	139.083	0.00	0.70	4.834	O	|	|	|	|	7.77
134.000	0.00	0.72	5.132	O	|	|	|	|	8.11	139.167	0.00	0.70	4.829	O	|	|	|	|	7.77
134.083	0.00	0.72	5.127	O	|	|	|	|	8.11	139.250	0.00	0.70	4.825	O	|	|	|	|	7.76
134.167	0.00	0.72	5.122	O	|	|	|	|	8.10	139.333	0.00	0.70	4.820	O	|	|	|	|	7.76
134.250	0.00	0.71	5.117	O	|	|	|	|	8.10	139.417	0.00	0.70	4.815	O	|	|	|	|	7.75
134.333	0.00	0.71	5.112	O	|	|	|	|	8.09	139.500	0.00	0.70	4.810	O	|	|	|	|	7.75
134.417	0.00	0.71	5.107	O	|	|	|	|	8.09	139.583	0.00	0.70	4.805	O	|	|	|	|	7.74
134.500	0.00	0.71	5.102	O	|	|	|	|	8.08	139.667	0.00	0.70	4.801	O	|	|	|	|	7.73
134.583	0.00	0.71	5.097	O	|	|	|	|	8.07	139.750	0.00	0.70	4.796	O	|	|	|	|	7.73
134.667	0.00	0.71	5.092	O	|	|	|	|	8.07	139.833	0.00	0.70	4.791	O	|	|	|	|	7.72
134.750	0.00	0.71	5.087	O	|	|	|	|	8.06	139.917	0.00	0.70	4.786	O	|	|	|	|	7.72

140.000	0.00	0.70	4.781	O	|	|	|	|	7.71	145.167	0.00	0.68	4.486	O	|	|	|	|	7.37
140.083	0.00	0.70	4.776	O	|	|	|	|	7.71	145.250	0.00	0.68	4.481	O	|	|	|	|	7.36
140.167	0.00	0.70	4.772	O	|	|	|	|	7.70	145.333	0.00	0.68	4.477	O	|	|	|	|	7.36
140.250	0.00	0.70	4.767	O	|	|	|	|	7.70	145.417	0.00	0.68	4.472	O	|	|	|	|	7.35
140.333	0.00	0.70	4.762	O	|	|	|	|	7.69	145.500	0.00	0.68	4.467	O	|	|	|	|	7.35
140.417	0.00	0.70	4.757	O	|	|	|	|	7.68	145.583	0.00	0.68	4.462	O	|	|	|	|	7.34
140.500	0.00	0.70	4.752	O	|	|	|	|	7.68	145.667	0.00	0.68	4.458	O	|	|	|	|	7.33
140.583	0.00	0.70	4.748	O	|	|	|	|	7.67	145.750	0.00	0.68	4.453	O	|	|	|	|	7.33
140.667	0.00	0.70	4.743	O	|	|	|	|	7.67	145.833	0.00	0.68	4.448	O	|	|	|	|	7.32
140.750	0.00	0.70	4.738	O	|	|	|	|	7.66	145.917	0.00	0.68	4.444	O	|	|	|	|	7.32
140.833	0.00	0.70	4.733	O	|	|	|	|	7.66	146.000	0.00	0.68	4.439	O	|	|	|	|	7.31
140.917	0.00	0.70	4.728	O	|	|	|	|	7.65	146.083	0.00	0.68	4.434	O	|	|	|	|	7.31
141.000	0.00	0.70	4.724	O	|	|	|	|	7.64	146.167	0.00	0.68	4.430	O	|	|	|	|	7.30
141.083	0.00	0.70	4.719	O	|	|	|	|	7.64	146.250	0.00	0.68	4.425	O	|	|	|	|	7.30
141.167	0.00	0.70	4.714	O	|	|	|	|	7.63	146.333	0.00	0.68	4.420	O	|	|	|	|	7.29
141.250	0.00	0.70	4.709	O	|	|	|	|	7.63	146.417	0.00	0.68	4.415	O	|	|	|	|	7.29
141.333	0.00	0.69	4.705	O	|	|	|	|	7.62	146.500	0.00	0.68	4.411	O	|	|	|	|	7.28
141.417	0.00	0.69	4.700	O	|	|	|	|	7.62	146.583	0.00	0.68	4.406	O	|	|	|	|	7.27
141.500	0.00	0.69	4.695	O	|	|	|	|	7.61	146.667	0.00	0.68	4.401	O	|	|	|	|	7.27
141.583	0.00	0.69	4.690	O	|	|	|	|	7.61	146.750	0.00	0.68	4.397	O	|	|	|	|	7.26
141.667	0.00	0.69	4.685	O	|	|	|	|	7.60	146.833	0.00	0.68	4.392	O	|	|	|	|	7.26
141.750	0.00	0.69	4.681	O	|	|	|	|	7.59	146.917	0.00	0.68	4.387	O	|	|	|	|	7.25
141.833	0.00	0.69	4.676	O	|	|	|	|	7.59	147.000	0.00	0.68	4.383	O	|	|	|	|	7.25
141.917	0.00	0.69	4.671	O	|	|	|	|	7.58	147.083	0.00	0.68	4.378	O	|	|	|	|	7.24
142.000	0.00	0.69	4.666	O	|	|	|	|	7.58	147.167	0.00	0.68	4.373	O	|	|	|	|	7.24
142.083	0.00	0.69	4.662	O	|	|	|	|	7.57	147.250	0.00	0.68	4.369	O	|	|	|	|	7.23
142.167	0.00	0.69	4.657	O	|	|	|	|	7.57	147.333	0.00	0.68	4.364	O	|	|	|	|	7.23
142.250	0.00	0.69	4.652	O	|	|	|	|	7.56	147.417	0.00	0.68	4.359	O	|	|	|	|	7.22
142.333	0.00	0.69	4.647	O	|	|	|	|	7.56	147.500	0.00	0.68	4.355	O	|	|	|	|	7.21
142.417	0.00	0.69	4.642	O	|	|	|	|	7.55	147.583	0.00	0.68	4.350	O	|	|	|	|	7.21
142.500	0.00	0.69	4.638	O	|	|	|	|	7.54	147.667	0.00	0.68	4.345	O	|	|	|	|	7.20
142.583	0.00	0.69	4.633	O	|	|	|	|	7.54	147.750	0.00	0.68	4.341	O	|	|	|	|	7.20
142.667	0.00	0.69	4.628	O	|	|	|	|	7.53	147.833	0.00	0.68	4.336	O	|	|	|	|	7.19
142.750	0.00	0.69	4.623	O	|	|	|	|	7.53	147.917	0.00	0.68	4.331	O	|	|	|	|	7.19
142.833	0.00	0.69	4.619	O	|	|	|	|	7.52	148.000	0.00	0.68	4.327	O	|	|	|	|	7.18
142.917	0.00	0.69	4.614	O	|	|	|	|	7.52	148.083	0.00	0.68	4.322	O	|	|	|	|	7.18
143.000	0.00	0.69	4.609	O	|	|	|	|	7.51	148.167	0.00	0.68	4.317	O	|	|	|	|	7.17
143.083	0.00	0.69	4.604	O	|	|	|	|	7.51	148.250	0.00	0.68	4.313	O	|	|	|	|	7.17
143.167	0.00	0.69	4.600	O	|	|	|	|	7.50	148.333	0.00	0.68	4.308	O	|	|	|	|	7.16
143.250	0.00	0.69	4.595	O	|	|	|	|	7.49	148.417	0.00	0.68	4.303	O	|	|	|	|	7.15
143.333	0.00	0.69	4.590	O	|	|	|	|	7.49	148.500	0.00	0.68	4.299	O	|	|	|	|	7.15
143.417	0.00	0.69	4.585	O	|	|	|	|	7.48	148.583	0.00	0.68	4.294	O	|	|	|	|	7.14
143.500	0.00	0.69	4.581	O	|	|	|	|	7.48	148.667	0.00	0.68	4.289	O	|	|	|	|	7.14
143.583	0.00	0.69	4.576	O	|	|	|	|	7.47	148.750	0.00	0.68	4.285	O	|	|	|	|	7.13
143.667	0.00	0.69	4.571	O	|	|	|	|	7.47	148.833	0.00	0.68	4.280	O	|	|	|	|	7.13
143.750	0.00	0.69	4.566	O	|	|	|	|	7.46	148.917	0.00	0.67	4.275	O	|	|	|	|	7.12
143.833	0.00	0.69	4.562	O	|	|	|	|	7.46	149.000	0.00	0.67	4.271	O	|	|	|	|	7.12
143.917	0.00	0.69	4.557	O	|	|	|	|	7.45	149.083	0.00	0.67	4.266	O	|	|	|	|	7.11
144.000	0.00	0.69	4.552	O	|	|	|	|	7.44	149.167	0.00	0.67	4.261	O	|	|	|	|	7.11
144.083	0.00	0.69	4.547	O	|	|	|	|	7.44	149.250	0.00	0.67	4.257	O	|	|	|	|	7.10
144.167	0.00	0.69	4.543	O	|	|	|	|	7.43	149.333	0.00	0.67	4.252	O	|	|	|	|	7.09
144.250	0.00	0.69	4.538	O	|	|	|	|	7.43	149.417	0.00	0.67	4.247	O	|	|	|	|	7.09
144.333	0.00	0.69	4.533	O	|	|	|	|	7.42	149.500	0.00	0.67	4.243	O	|	|	|	|	7.08
144.417	0.00	0.69	4.528	O	|	|	|	|	7.42	149.583	0.00	0.67	4.238	O	|	|	|	|	7.08
144.500	0.00	0.69	4.524	O	|	|	|	|	7.41	149.667	0.00	0.67	4.234	O	|	|	|	|	7.07
144.583	0.00	0.69	4.519	O	|	|	|	|	7.41	149.750	0.00	0.67	4.229	O	|	|	|	|	7.07
144.667	0.00	0.69	4.514	O	|	|	|	|	7.40	149.833	0.00	0.67	4.224	O	|	|	|	|	7.06
144.750	0.00	0.69	4.510	O	|	|	|	|	7.40	149.917	0.00	0.67	4.220	O	|	|	|	|	7.06
144.833	0.00	0.69	4.505	O	|	|	|	|	7.39	150.000	0.00	0.67	4.215	O	|	|	|	|	7.05
144.917	0.00	0.69	4.500	O	|	|	|	|	7.38	150.083	0.00	0.67	4.210	O	|	|	|	|	7.05
145.000	0.00	0.69	4.495	O	|	|	|	|	7.38	150.167	0.00	0.67	4.206	O	|	|	|	|	7.04
145.083	0.00	0.68	4.491	O	|	|	|	|	7.37	150.250	0.00	0.67	4.201	O	|	|	|	|	7.04

150.333	0.00	0.67	4.197	O	|	|	|	|	7.03	155.500	0.00	0.65	3.914	O	|	|	|	|	6.67
150.417	0.00	0.67	4.192	O	|	|	|	|	7.02	155.583	0.00	0.65	3.909	O	|	|	|	|	6.67
150.500	0.00	0.67	4.187	O	|	|	|	|	7.02	155.667	0.00	0.65	3.905	O	|	|	|	|	6.66
150.583	0.00	0.67	4.183	O	|	|	|	|	7.01	155.750	0.00	0.65	3.900	O	|	|	|	|	6.66
150.667	0.00	0.67	4.178	O	|	|	|	|	7.01	155.833	0.00	0.65	3.896	O	|	|	|	|	6.65
150.750	0.00	0.67	4.173	O	|	|	|	|	7.00	155.917	0.00	0.65	3.891	O	|	|	|	|	6.64
150.833	0.00	0.67	4.169	O	|	|	|	|	7.00	156.000	0.00	0.65	3.887	O	|	|	|	|	6.64
150.917	0.00	0.67	4.164	O	|	|	|	|	6.99	156.083	0.00	0.65	3.882	O	|	|	|	|	6.63
151.000	0.00	0.67	4.160	O	|	|	|	|	6.99	156.167	0.00	0.65	3.878	O	|	|	|	|	6.63
151.083	0.00	0.67	4.155	O	|	|	|	|	6.98	156.250	0.00	0.65	3.873	O	|	|	|	|	6.62
151.167	0.00	0.67	4.150	O	|	|	|	|	6.97	156.333	0.00	0.65	3.869	O	|	|	|	|	6.62
151.250	0.00	0.67	4.146	O	|	|	|	|	6.97	156.417	0.00	0.65	3.864	O	|	|	|	|	6.61
151.333	0.00	0.67	4.141	O	|	|	|	|	6.96	156.500	0.00	0.65	3.860	O	|	|	|	|	6.60
151.417	0.00	0.67	4.137	O	|	|	|	|	6.96	156.583	0.00	0.65	3.855	O	|	|	|	|	6.60
151.500	0.00	0.67	4.132	O	|	|	|	|	6.95	156.667	0.00	0.65	3.851	O	|	|	|	|	6.59
151.583	0.00	0.67	4.127	O	|	|	|	|	6.94	156.750	0.00	0.65	3.846	O	|	|	|	|	6.59
151.667	0.00	0.67	4.123	O	|	|	|	|	6.94	156.833	0.00	0.65	3.842	O	|	|	|	|	6.58
151.750	0.00	0.67	4.118	O	|	|	|	|	6.93	156.917	0.00	0.65	3.837	O	|	|	|	|	6.58
151.833	0.00	0.67	4.114	O	|	|	|	|	6.93	157.000	0.00	0.65	3.833	O	|	|	|	|	6.57
151.917	0.00	0.67	4.109	O	|	|	|	|	6.92	157.083	0.00	0.65	3.828	O	|	|	|	|	6.56
152.000	0.00	0.67	4.104	O	|	|	|	|	6.92	157.167	0.00	0.65	3.824	O	|	|	|	|	6.56
152.083	0.00	0.67	4.100	O	|	|	|	|	6.91	157.250	0.00	0.65	3.820	O	|	|	|	|	6.55
152.167	0.00	0.67	4.095	O	|	|	|	|	6.90	157.333	0.00	0.65	3.815	O	|	|	|	|	6.55
152.250	0.00	0.66	4.091	O	|	|	|	|	6.90	157.417	0.00	0.65	3.811	O	|	|	|	|	6.54
152.333	0.00	0.66	4.086	O	|	|	|	|	6.89	157.500	0.00	0.65	3.806	O	|	|	|	|	6.54
152.417	0.00	0.66	4.082	O	|	|	|	|	6.89	157.583	0.00	0.65	3.802	O	|	|	|	|	6.53
152.500	0.00	0.66	4.077	O	|	|	|	|	6.88	157.667	0.00	0.65	3.797	O	|	|	|	|	6.52
152.583	0.00	0.66	4.072	O	|	|	|	|	6.87	157.750	0.00	0.65	3.793	O	|	|	|	|	6.52
152.667	0.00	0.66	4.068	O	|	|	|	|	6.87	157.833	0.00	0.65	3.788	O	|	|	|	|	6.51
152.750	0.00	0.66	4.063	O	|	|	|	|	6.86	157.917	0.00	0.65	3.784	O	|	|	|	|	6.51
152.833	0.00	0.66	4.059	O	|	|	|	|	6.86	158.000	0.00	0.65	3.779	O	|	|	|	|	6.50
152.917	0.00	0.66	4.054	O	|	|	|	|	6.85	158.083	0.00	0.64	3.775	O	|	|	|	|	6.50
153.000	0.00	0.66	4.050	O	|	|	|	|	6.85	158.167	0.00	0.64	3.771	O	|	|	|	|	6.49
153.083	0.00	0.66	4.045	O	|	|	|	|	6.84	158.250	0.00	0.64	3.766	O	|	|	|	|	6.48
153.167	0.00	0.66	4.040	O	|	|	|	|	6.83	158.333	0.00	0.64	3.762	O	|	|	|	|	6.48
153.250	0.00	0.66	4.036	O	|	|	|	|	6.83	158.417	0.00	0.64	3.757	O	|	|	|	|	6.47
153.333	0.00	0.66	4.031	O	|	|	|	|	6.82	158.500	0.00	0.64	3.753	O	|	|	|	|	6.47
153.417	0.00	0.66	4.027	O	|	|	|	|	6.82	158.583	0.00	0.64	3.748	O	|	|	|	|	6.46
153.500	0.00	0.66	4.022	O	|	|	|	|	6.81	158.667	0.00	0.64	3.744	O	|	|	|	|	6.46
153.583	0.00	0.66	4.018	O	|	|	|	|	6.80	158.750	0.00	0.64	3.740	O	|	|	|	|	6.45
153.667	0.00	0.66	4.013	O	|	|	|	|	6.80	158.833	0.00	0.64	3.735	O	|	|	|	|	6.45
153.750	0.00	0.66	4.009	O	|	|	|	|	6.79	158.917	0.00	0.64	3.731	O	|	|	|	|	6.44
153.833	0.00	0.66	4.004	O	|	|	|	|	6.79	159.000	0.00	0.64	3.726	O	|	|	|	|	6.43
153.917	0.00	0.66	3.999	O	|	|	|	|	6.78	159.083	0.00	0.64	3.722	O	|	|	|	|	6.43
154.000	0.00	0.66	3.995	O	|	|	|	|	6.78	159.167	0.00	0.64	3.717	O	|	|	|	|	6.42
154.083	0.00	0.66	3.990	O	|	|	|	|	6.77	159.250	0.00	0.64	3.713	O	|	|	|	|	6.42
154.167	0.00	0.66	3.986	O	|	|	|	|	6.76	159.333	0.00	0.64	3.709	O	|	|	|	|	6.41
154.250	0.00	0.66	3.981	O	|	|	|	|	6.76	159.417	0.00	0.64	3.704	O	|	|	|	|	6.41
154.333	0.00	0.66	3.977	O	|	|	|	|	6.75	159.500	0.00	0.64	3.700	O	|	|	|	|	6.40
154.417	0.00	0.66	3.972	O	|	|	|	|	6.75	159.583	0.00	0.64	3.695	O	|	|	|	|	6.39
154.500	0.00	0.66	3.968	O	|	|	|	|	6.74	159.667	0.00	0.64	3.691	O	|	|	|	|	6.39
154.583	0.00	0.66	3.963	O	|	|	|	|	6.74	159.750	0.00	0.64	3.687	O	|	|	|	|	6.38
154.667	0.00	0.66	3.959	O	|	|	|	|	6.73	159.833	0.00	0.64	3.682	O	|	|	|	|	6.38
154.750	0.00	0.66	3.954	O	|	|	|	|	6.72	159.917	0.00	0.64	3.678	O	|	|	|	|	6.37
154.833	0.00	0.66	3.950	O	|	|	|	|	6.72	160.000	0.00	0.64	3.673	O	|	|	|	|	6.37
154.917	0.00	0.66	3.945	O	|	|	|	|	6.71	160.083	0.00	0.64	3.669	O	|	|	|	|	6.36
155.000	0.00	0.66	3.941	O	|	|	|	|	6.71	160.167	0.00	0.64	3.665	O	|	|	|	|	6.36
155.083	0.00	0.66	3.936	O	|	|	|	|	6.70	160.250	0.00	0.64	3.660	O	|	|	|	|	6.35
155.167	0.00	0.65	3.932	O	|	|	|	|	6.70	160.333	0.00	0.64	3.656	O	|	|	|	|	6.34
155.250	0.00	0.65	3.927	O	|	|	|	|	6.69	160.417	0.00	0.64	3.651	O	|	|	|	|	6.34
155.333	0.00	0.65	3.923	O	|	|	|	|	6.68	160.500	0.00	0.64	3.647	O	|	|	|	|	6.33
155.417	0.00	0.65	3.918	O	|	|	|	|	6.68	160.583	0.00	0.64	3.643	O	|	|	|	|	6.33

160.667	0.00	0.64	3.638	O					6.32	165.833	0.00	0.62	3.370	O					5.98
160.750	0.00	0.64	3.634	O					6.32	165.917	0.00	0.62	3.366	O					5.97
160.833	0.00	0.64	3.630	O					6.31	166.000	0.00	0.62	3.362	O					5.97
160.917	0.00	0.64	3.625	O					6.31	166.083	0.00	0.62	3.358	O					5.96
161.000	0.00	0.63	3.621	O					6.30	166.167	0.00	0.62	3.353	O					5.96
161.083	0.00	0.63	3.616	O					6.29	166.250	0.00	0.62	3.349	O					5.95
161.167	0.00	0.63	3.612	O					6.29	166.333	0.00	0.62	3.345	O					5.94
161.250	0.00	0.63	3.608	O					6.28	166.417	0.00	0.62	3.341	O					5.94
161.333	0.00	0.63	3.603	O					6.28	166.500	0.00	0.62	3.336	O					5.93
161.417	0.00	0.63	3.599	O					6.27	166.583	0.00	0.62	3.332	O					5.93
161.500	0.00	0.63	3.595	O					6.27	166.667	0.00	0.62	3.328	O					5.92
161.583	0.00	0.63	3.590	O					6.26	166.750	0.00	0.61	3.324	O					5.91
161.667	0.00	0.63	3.586	O					6.26	166.833	0.00	0.61	3.319	O					5.91
161.750	0.00	0.63	3.581	O					6.25	166.917	0.00	0.61	3.315	O					5.90
161.833	0.00	0.63	3.577	O					6.24	167.000	0.00	0.61	3.311	O					5.90
161.917	0.00	0.63	3.573	O					6.24	167.083	0.00	0.61	3.307	O					5.89
162.000	0.00	0.63	3.568	O					6.23	167.167	0.00	0.61	3.302	O					5.89
162.083	0.00	0.63	3.564	O					6.23	167.250	0.00	0.61	3.298	O					5.88
162.167	0.00	0.63	3.560	O					6.22	167.333	0.00	0.61	3.294	O					5.87
162.250	0.00	0.63	3.555	O					6.22	167.417	0.00	0.61	3.290	O					5.87
162.333	0.00	0.63	3.551	O					6.21	167.500	0.00	0.61	3.286	O					5.86
162.417	0.00	0.63	3.547	O					6.21	167.583	0.00	0.61	3.281	O					5.86
162.500	0.00	0.63	3.542	O					6.20	167.667	0.00	0.61	3.277	O					5.85
162.583	0.00	0.63	3.538	O					6.19	167.750	0.00	0.61	3.273	O					5.84
162.667	0.00	0.63	3.534	O					6.19	167.833	0.00	0.61	3.269	O					5.84
162.750	0.00	0.63	3.529	O					6.18	167.917	0.00	0.61	3.265	O					5.83
162.833	0.00	0.63	3.525	O					6.18	168.000	0.00	0.61	3.260	O					5.83
162.917	0.00	0.63	3.521	O					6.17	168.083	0.00	0.61	3.256	O					5.82
163.000	0.00	0.63	3.516	O					6.17	168.167	0.00	0.61	3.252	O					5.82
163.083	0.00	0.63	3.512	O					6.16	168.250	0.00	0.61	3.248	O					5.81
163.167	0.00	0.63	3.508	O					6.16	168.333	0.00	0.61	3.244	O					5.80
163.250	0.00	0.63	3.503	O					6.15	168.417	0.00	0.61	3.239	O					5.80
163.333	0.00	0.63	3.499	O					6.15	168.500	0.00	0.61	3.235	O					5.79
163.417	0.00	0.63	3.495	O					6.14	168.583	0.00	0.61	3.231	O					5.79
163.500	0.00	0.63	3.490	O					6.13	168.667	0.00	0.61	3.227	O					5.78
163.583	0.00	0.63	3.486	O					6.13	168.750	0.00	0.61	3.223	O					5.77
163.667	0.00	0.63	3.482	O					6.12	168.833	0.00	0.61	3.218	O					5.77
163.750	0.00	0.63	3.477	O					6.12	168.917	0.00	0.61	3.214	O					5.76
163.833	0.00	0.63	3.473	O					6.11	169.000	0.00	0.61	3.210	O					5.76
163.917	0.00	0.63	3.469	O					6.11	169.083	0.00	0.61	3.206	O					5.75
164.000	0.00	0.63	3.465	O					6.10	169.167	0.00	0.60	3.202	O					5.75
164.083	0.00	0.62	3.460	O					6.10	169.250	0.00	0.60	3.198	O					5.74
164.167	0.00	0.62	3.456	O					6.09	169.333	0.00	0.60	3.193	O					5.73
164.250	0.00	0.62	3.452	O					6.08	169.417	0.00	0.60	3.189	O					5.73
164.333	0.00	0.62	3.447	O					6.08	169.500	0.00	0.60	3.185	O					5.72
164.417	0.00	0.62	3.443	O					6.07	169.583	0.00	0.60	3.181	O					5.72
164.500	0.00	0.62	3.439	O					6.07	169.667	0.00	0.60	3.177	O					5.71
164.583	0.00	0.62	3.434	O					6.06	169.750	0.00	0.60	3.173	O					5.71
164.667	0.00	0.62	3.430	O					6.06	169.833	0.00	0.60	3.169	O					5.70
164.750	0.00	0.62	3.426	O					6.05	169.917	0.00	0.60	3.164	O					5.69
164.833	0.00	0.62	3.422	O					6.05	170.000	0.00	0.60	3.160	O					5.69
164.917	0.00	0.62	3.417	O					6.04	170.083	0.00	0.60	3.156	O					5.68
165.000	0.00	0.62	3.413	O					6.04	170.167	0.00	0.60	3.152	O					5.68
165.083	0.00	0.62	3.409	O					6.03	170.250	0.00	0.60	3.148	O					5.67
165.167	0.00	0.62	3.404	O					6.02	170.333	0.00	0.60	3.144	O					5.66
165.250	0.00	0.62	3.400	O					6.02	170.417	0.00	0.60	3.140	O					5.66
165.333	0.00	0.62	3.396	O					6.01	170.500	0.00	0.60	3.135	O					5.65
165.417	0.00	0.62	3.392	O					6.01	170.583	0.00	0.60	3.131	O					5.65
165.500	0.00	0.62	3.387	O					6.00	170.667	0.00	0.60	3.127	O					5.64
165.583	0.00	0.62	3.383	O					6.00	170.750	0.00	0.60	3.123	O					5.64
165.667	0.00	0.62	3.379	O					5.99	170.833	0.00	0.60	3.119	O					5.63
165.750	0.00	0.62	3.375	O					5.99	170.917	0.00	0.60	3.115	O					5.62

171.000	0.00	0.60	3.111	O	|	|	|	|	5.62	176.167	0.00	0.58	2.860	O	|	|	|	|	5.27
171.083	0.00	0.60	3.107	O	|	|	|	|	5.61	176.250	0.00	0.58	2.856	O	|	|	|	|	5.27
171.167	0.00	0.60	3.103	O	|	|	|	|	5.61	176.333	0.00	0.58	2.852	O	|	|	|	|	5.26
171.250	0.00	0.60	3.098	O	|	|	|	|	5.60	176.417	0.00	0.58	2.848	O	|	|	|	|	5.25
171.333	0.00	0.60	3.094	O	|	|	|	|	5.60	176.500	0.00	0.57	2.844	O	|	|	|	|	5.25
171.417	0.00	0.60	3.090	O	|	|	|	|	5.59	176.583	0.00	0.57	2.840	O	|	|	|	|	5.24
171.500	0.00	0.60	3.086	O	|	|	|	|	5.58	176.667	0.00	0.57	2.836	O	|	|	|	|	5.24
171.583	0.00	0.59	3.082	O	|	|	|	|	5.58	176.750	0.00	0.57	2.833	O	|	|	|	|	5.23
171.667	0.00	0.59	3.078	O	|	|	|	|	5.57	176.833	0.00	0.57	2.829	O	|	|	|	|	5.23
171.750	0.00	0.59	3.074	O	|	|	|	|	5.57	176.917	0.00	0.57	2.825	O	|	|	|	|	5.22
171.833	0.00	0.59	3.070	O	|	|	|	|	5.56	177.000	0.00	0.57	2.821	O	|	|	|	|	5.22
171.917	0.00	0.59	3.066	O	|	|	|	|	5.56	177.083	0.00	0.57	2.817	O	|	|	|	|	5.21
172.000	0.00	0.59	3.062	O	|	|	|	|	5.55	177.167	0.00	0.57	2.813	O	|	|	|	|	5.21
172.083	0.00	0.59	3.057	O	|	|	|	|	5.55	177.250	0.00	0.57	2.809	O	|	|	|	|	5.20
172.167	0.00	0.59	3.053	O	|	|	|	|	5.54	177.333	0.00	0.57	2.805	O	|	|	|	|	5.19
172.250	0.00	0.59	3.049	O	|	|	|	|	5.53	177.417	0.00	0.57	2.801	O	|	|	|	|	5.19
172.333	0.00	0.59	3.045	O	|	|	|	|	5.53	177.500	0.00	0.57	2.797	O	|	|	|	|	5.18
172.417	0.00	0.59	3.041	O	|	|	|	|	5.52	177.583	0.00	0.57	2.793	O	|	|	|	|	5.18
172.500	0.00	0.59	3.037	O	|	|	|	|	5.52	177.667	0.00	0.57	2.789	O	|	|	|	|	5.17
172.583	0.00	0.59	3.033	O	|	|	|	|	5.51	177.750	0.00	0.57	2.785	O	|	|	|	|	5.17
172.667	0.00	0.59	3.029	O	|	|	|	|	5.51	177.833	0.00	0.57	2.781	O	|	|	|	|	5.16
172.750	0.00	0.59	3.025	O	|	|	|	|	5.50	177.917	0.00	0.57	2.777	O	|	|	|	|	5.16
172.833	0.00	0.59	3.021	O	|	|	|	|	5.49	178.000	0.00	0.57	2.773	O	|	|	|	|	5.15
172.917	0.00	0.59	3.017	O	|	|	|	|	5.49	178.083	0.00	0.57	2.770	O	|	|	|	|	5.15
173.000	0.00	0.59	3.013	O	|	|	|	|	5.48	178.167	0.00	0.57	2.766	O	|	|	|	|	5.14
173.083	0.00	0.59	3.009	O	|	|	|	|	5.48	178.250	0.00	0.57	2.762	O	|	|	|	|	5.13
173.167	0.00	0.59	3.005	O	|	|	|	|	5.47	178.333	0.00	0.57	2.758	O	|	|	|	|	5.13
173.250	0.00	0.59	3.001	O	|	|	|	|	5.47	178.417	0.00	0.57	2.754	O	|	|	|	|	5.12
173.333	0.00	0.59	2.997	O	|	|	|	|	5.46	178.500	0.00	0.57	2.750	O	|	|	|	|	5.12
173.417	0.00	0.59	2.992	O	|	|	|	|	5.45	178.583	0.00	0.57	2.746	O	|	|	|	|	5.11
173.500	0.00	0.59	2.988	O	|	|	|	|	5.45	178.667	0.00	0.57	2.742	O	|	|	|	|	5.11
173.583	0.00	0.59	2.984	O	|	|	|	|	5.44	178.750	0.00	0.57	2.738	O	|	|	|	|	5.10
173.667	0.00	0.59	2.980	O	|	|	|	|	5.44	178.833	0.00	0.57	2.734	O	|	|	|	|	5.10
173.750	0.00	0.59	2.976	O	|	|	|	|	5.43	178.917	0.00	0.57	2.730	O	|	|	|	|	5.09
173.833	0.00	0.59	2.972	O	|	|	|	|	5.43	179.000	0.00	0.57	2.727	O	|	|	|	|	5.09
173.917	0.00	0.59	2.968	O	|	|	|	|	5.42	179.083	0.00	0.56	2.723	O	|	|	|	|	5.08
174.000	0.00	0.58	2.964	O	|	|	|	|	5.42	179.167	0.00	0.56	2.719	O	|	|	|	|	5.07
174.083	0.00	0.58	2.960	O	|	|	|	|	5.41	179.250	0.00	0.56	2.715	O	|	|	|	|	5.07
174.167	0.00	0.58	2.956	O	|	|	|	|	5.40	179.333	0.00	0.56	2.711	O	|	|	|	|	5.06
174.250	0.00	0.58	2.952	O	|	|	|	|	5.40	179.417	0.00	0.56	2.707	O	|	|	|	|	5.06
174.333	0.00	0.58	2.948	O	|	|	|	|	5.39	179.500	0.00	0.56	2.703	O	|	|	|	|	5.05
174.417	0.00	0.58	2.944	O	|	|	|	|	5.39	179.583	0.00	0.56	2.699	O	|	|	|	|	5.05
174.500	0.00	0.58	2.940	O	|	|	|	|	5.38	179.667	0.00	0.56	2.696	O	|	|	|	|	5.04
174.583	0.00	0.58	2.936	O	|	|	|	|	5.38	179.750	0.00	0.56	2.692	O	|	|	|	|	5.04
174.667	0.00	0.58	2.932	O	|	|	|	|	5.37	179.833	0.00	0.56	2.688	O	|	|	|	|	5.03
174.750	0.00	0.58	2.928	O	|	|	|	|	5.37	179.917	0.00	0.56	2.684	O	|	|	|	|	5.03
174.833	0.00	0.58	2.924	O	|	|	|	|	5.36	180.000	0.00	0.56	2.680	O	|	|	|	|	5.02
174.917	0.00	0.58	2.920	O	|	|	|	|	5.35	180.083	0.00	0.56	2.676	O	|	|	|	|	5.02
175.000	0.00	0.58	2.916	O	|	|	|	|	5.35	180.167	0.00	0.56	2.672	O	|	|	|	|	5.01
175.083	0.00	0.58	2.912	O	|	|	|	|	5.34	180.250	0.00	0.56	2.668	O	|	|	|	|	5.00
175.167	0.00	0.58	2.908	O	|	|	|	|	5.34	180.333	0.00	0.56	2.665	O	|	|	|	|	5.00
175.250	0.00	0.58	2.904	O	|	|	|	|	5.33	180.417	0.00	0.56	2.661	O	|	|	|	|	4.99
175.333	0.00	0.58	2.900	O	|	|	|	|	5.33	180.500	0.00	0.56	2.657	O	|	|	|	|	4.99
175.417	0.00	0.58	2.896	O	|	|	|	|	5.32	180.583	0.00	0.56	2.653	O	|	|	|	|	4.98
175.500	0.00	0.58	2.892	O	|	|	|	|	5.32	180.667	0.00	0.56	2.649	O	|	|	|	|	4.98
175.583	0.00	0.58	2.888	O	|	|	|	|	5.31	180.750	0.00	0.56	2.645	O	|	|	|	|	4.97
175.667	0.00	0.58	2.884	O	|	|	|	|	5.30	180.833	0.00	0.56	2.642	O	|	|	|	|	4.96
175.750	0.00	0.58	2.880	O	|	|	|	|	5.30	180.917	0.00	0.56	2.638	O	|	|	|	|	4.96
175.833	0.00	0.58	2.876	O	|	|	|	|	5.29	181.000	0.00	0.56	2.634	O	|	|	|	|	4.95
175.917	0.00	0.58	2.872	O	|	|	|	|	5.29	181.083	0.00	0.56	2.630	O	|	|	|	|	4.95
176.000	0.00	0.58	2.868	O	|	|	|	|	5.28	181.167	0.00	0.56	2.626	O	|	|	|	|	4.94
176.083	0.00	0.58	2.864	O	|	|	|	|	5.28	181.250	0.00	0.56	2.622	O	|	|	|	|	4.93

181.333	0.00	0.56	2.619	O	|	|	|	|	4.93	186.500	0.00	0.53	2.386	O	|	|	|	|	4.57
181.417	0.00	0.56	2.615	O	|	|	|	|	4.92	186.583	0.00	0.53	2.382	O	|	|	|	|	4.57
181.500	0.00	0.56	2.611	O	|	|	|	|	4.92	186.667	0.00	0.53	2.378	O	|	|	|	|	4.56
181.583	0.00	0.55	2.607	O	|	|	|	|	4.91	186.750	0.00	0.53	2.375	O	|	|	|	|	4.56
181.667	0.00	0.55	2.603	O	|	|	|	|	4.91	186.833	0.00	0.53	2.371	O	|	|	|	|	4.55
181.750	0.00	0.55	2.599	O	|	|	|	|	4.90	186.917	0.00	0.53	2.367	O	|	|	|	|	4.55
181.833	0.00	0.55	2.596	O	|	|	|	|	4.89	187.000	0.00	0.53	2.364	O	|	|	|	|	4.54
181.917	0.00	0.55	2.592	O	|	|	|	|	4.89	187.083	0.00	0.53	2.360	O	|	|	|	|	4.53
182.000	0.00	0.55	2.588	O	|	|	|	|	4.88	187.167	0.00	0.53	2.356	O	|	|	|	|	4.53
182.083	0.00	0.55	2.584	O	|	|	|	|	4.88	187.250	0.00	0.53	2.353	O	|	|	|	|	4.52
182.167	0.00	0.55	2.580	O	|	|	|	|	4.87	187.333	0.00	0.53	2.349	O	|	|	|	|	4.52
182.250	0.00	0.55	2.577	O	|	|	|	|	4.86	187.417	0.00	0.53	2.345	O	|	|	|	|	4.51
182.333	0.00	0.55	2.573	O	|	|	|	|	4.86	187.500	0.00	0.53	2.342	O	|	|	|	|	4.51
182.417	0.00	0.55	2.569	O	|	|	|	|	4.85	187.583	0.00	0.53	2.338	O	|	|	|	|	4.50
182.500	0.00	0.55	2.565	O	|	|	|	|	4.85	187.667	0.00	0.53	2.335	O	|	|	|	|	4.49
182.583	0.00	0.55	2.561	O	|	|	|	|	4.84	187.750	0.00	0.53	2.331	O	|	|	|	|	4.49
182.667	0.00	0.55	2.558	O	|	|	|	|	4.84	187.833	0.00	0.53	2.327	O	|	|	|	|	4.48
182.750	0.00	0.55	2.554	O	|	|	|	|	4.83	187.917	0.00	0.53	2.324	O	|	|	|	|	4.48
182.833	0.00	0.55	2.550	O	|	|	|	|	4.82	188.000	0.00	0.53	2.320	O	|	|	|	|	4.47
182.917	0.00	0.55	2.546	O	|	|	|	|	4.82	188.083	0.00	0.53	2.316	O	|	|	|	|	4.47
183.000	0.00	0.55	2.542	O	|	|	|	|	4.81	188.167	0.00	0.53	2.313	O	|	|	|	|	4.46
183.083	0.00	0.55	2.539	O	|	|	|	|	4.81	188.250	0.00	0.53	2.309	O	|	|	|	|	4.46
183.167	0.00	0.55	2.535	O	|	|	|	|	4.80	188.333	0.00	0.53	2.305	O	|	|	|	|	4.45
183.250	0.00	0.55	2.531	O	|	|	|	|	4.80	188.417	0.00	0.53	2.302	O	|	|	|	|	4.44
183.333	0.00	0.55	2.527	O	|	|	|	|	4.79	188.500	0.00	0.53	2.298	O	|	|	|	|	4.44
183.417	0.00	0.55	2.524	O	|	|	|	|	4.78	188.583	0.00	0.53	2.295	O	|	|	|	|	4.43
183.500	0.00	0.55	2.520	O	|	|	|	|	4.78	188.667	0.00	0.53	2.291	O	|	|	|	|	4.43
183.583	0.00	0.55	2.516	O	|	|	|	|	4.77	188.750	0.00	0.53	2.287	O	|	|	|	|	4.42
183.667	0.00	0.55	2.512	O	|	|	|	|	4.77	188.833	0.00	0.53	2.284	O	|	|	|	|	4.42
183.750	0.00	0.55	2.509	O	|	|	|	|	4.76	188.917	0.00	0.52	2.280	O	|	|	|	|	4.41
183.833	0.00	0.55	2.505	O	|	|	|	|	4.76	189.000	0.00	0.52	2.276	O	|	|	|	|	4.41
183.917	0.00	0.54	2.501	O	|	|	|	|	4.75	189.083	0.00	0.52	2.273	O	|	|	|	|	4.40
184.000	0.00	0.54	2.497	O	|	|	|	|	4.74	189.167	0.00	0.52	2.269	O	|	|	|	|	4.39
184.083	0.00	0.54	2.494	O	|	|	|	|	4.74	189.250	0.00	0.52	2.266	O	|	|	|	|	4.39
184.167	0.00	0.54	2.490	O	|	|	|	|	4.73	189.333	0.00	0.52	2.262	O	|	|	|	|	4.38
184.250	0.00	0.54	2.486	O	|	|	|	|	4.73	189.417	0.00	0.52	2.258	O	|	|	|	|	4.38
184.333	0.00	0.54	2.482	O	|	|	|	|	4.72	189.500	0.00	0.52	2.255	O	|	|	|	|	4.37
184.417	0.00	0.54	2.479	O	|	|	|	|	4.71	189.583	0.00	0.52	2.251	O	|	|	|	|	4.37
184.500	0.00	0.54	2.475	O	|	|	|	|	4.71	189.667	0.00	0.52	2.248	O	|	|	|	|	4.36
184.583	0.00	0.54	2.471	O	|	|	|	|	4.70	189.750	0.00	0.52	2.244	O	|	|	|	|	4.36
184.667	0.00	0.54	2.467	O	|	|	|	|	4.70	189.833	0.00	0.52	2.240	O	|	|	|	|	4.35
184.750	0.00	0.54	2.464	O	|	|	|	|	4.69	189.917	0.00	0.52	2.237	O	|	|	|	|	4.35
184.833	0.00	0.54	2.460	O	|	|	|	|	4.69	190.000	0.00	0.52	2.233	O	|	|	|	|	4.34
184.917	0.00	0.54	2.456	O	|	|	|	|	4.68	190.083	0.00	0.52	2.230	O	|	|	|	|	4.33
185.000	0.00	0.54	2.452	O	|	|	|	|	4.67	190.167	0.00	0.52	2.226	O	|	|	|	|	4.33
185.083	0.00	0.54	2.449	O	|	|	|	|	4.67	190.250	0.00	0.52	2.223	O	|	|	|	|	4.32
185.167	0.00	0.54	2.445	O	|	|	|	|	4.66	190.333	0.00	0.52	2.219	O	|	|	|	|	4.32
185.250	0.00	0.54	2.441	O	|	|	|	|	4.66	190.417	0.00	0.52	2.215	O	|	|	|	|	4.31
185.333	0.00	0.54	2.438	O	|	|	|	|	4.65	190.500	0.00	0.52	2.212	O	|	|	|	|	4.31
185.417	0.00	0.54	2.434	O	|	|	|	|	4.65	190.583	0.00	0.52	2.208	O	|	|	|	|	4.30
185.500	0.00	0.54	2.430	O	|	|	|	|	4.64	190.667	0.00	0.52	2.205	O	|	|	|	|	4.30
185.583	0.00	0.54	2.426	O	|	|	|	|	4.64	190.750	0.00	0.52	2.201	O	|	|	|	|	4.29
185.667	0.00	0.54	2.423	O	|	|	|	|	4.63	190.833	0.00	0.52	2.198	O	|	|	|	|	4.29
185.750	0.00	0.54	2.419	O	|	|	|	|	4.62	190.917	0.00	0.52	2.194	O	|	|	|	|	4.28
185.833	0.00	0.54	2.415	O	|	|	|	|	4.62	191.000	0.00	0.52	2.190	O	|	|	|	|	4.27
185.917	0.00	0.54	2.412	O	|	|	|	|	4.61	191.083	0.00	0.52	2.187	O	|	|	|	|	4.27
186.000	0.00	0.54	2.408	O	|	|	|	|	4.61	191.167	0.00	0.52	2.183	O	|	|	|	|	4.26
186.083	0.00	0.54	2.404	O	|	|	|	|	4.60	191.250	0.00	0.52	2.180	O	|	|	|	|	4.26
186.167	0.00	0.54	2.401	O	|	|	|	|	4.60	191.333	0.00	0.52	2.176	O	|	|	|	|	4.25
186.250	0.00	0.54	2.397	O	|	|	|	|	4.59	191.417	0.00	0.51	2.173	O	|	|	|	|	4.25
186.333	0.00	0.54	2.393	O	|	|	|	|	4.58	191.500	0.00	0.51	2.169	O	|	|	|	|	4.24
186.417	0.00	0.53	2.389	O	|	|	|	|	4.58	191.583	0.00	0.51	2.166	O	|	|	|	|	4.24

191.667	0.00	0.51	2.162	O	|	|	|	|	4.23	196.833	0.00	0.49	1.947	O	|	|	|	|	3.89
191.750	0.00	0.51	2.158	O	|	|	|	|	4.23	196.917	0.00	0.49	1.944	O	|	|	|	|	3.89
191.833	0.00	0.51	2.155	O	|	|	|	|	4.22	197.000	0.00	0.49	1.940	O	|	|	|	|	3.88
191.917	0.00	0.51	2.151	O	|	|	|	|	4.21	197.083	0.00	0.49	1.937	O	|	|	|	|	3.87
192.000	0.00	0.51	2.148	O	|	|	|	|	4.21	197.167	0.00	0.49	1.933	O	|	|	|	|	3.87
192.083	0.00	0.51	2.144	O	|	|	|	|	4.20	197.250	0.00	0.49	1.930	O	|	|	|	|	3.86
192.167	0.00	0.51	2.141	O	|	|	|	|	4.20	197.333	0.00	0.49	1.927	O	|	|	|	|	3.86
192.250	0.00	0.51	2.137	O	|	|	|	|	4.19	197.417	0.00	0.49	1.923	O	|	|	|	|	3.85
192.333	0.00	0.51	2.134	O	|	|	|	|	4.19	197.500	0.00	0.49	1.920	O	|	|	|	|	3.85
192.417	0.00	0.51	2.130	O	|	|	|	|	4.18	197.583	0.00	0.49	1.917	O	|	|	|	|	3.84
192.500	0.00	0.51	2.127	O	|	|	|	|	4.18	197.667	0.00	0.49	1.913	O	|	|	|	|	3.83
192.583	0.00	0.51	2.123	O	|	|	|	|	4.17	197.750	0.00	0.49	1.910	O	|	|	|	|	3.83
192.667	0.00	0.51	2.120	O	|	|	|	|	4.17	197.833	0.00	0.49	1.906	O	|	|	|	|	3.82
192.750	0.00	0.51	2.116	O	|	|	|	|	4.16	197.917	0.00	0.49	1.903	O	|	|	|	|	3.82
192.833	0.00	0.51	2.113	O	|	|	|	|	4.16	198.000	0.00	0.49	1.900	O	|	|	|	|	3.81
192.917	0.00	0.51	2.109	O	|	|	|	|	4.15	198.083	0.00	0.49	1.896	O	|	|	|	|	3.81
193.000	0.00	0.51	2.106	O	|	|	|	|	4.14	198.167	0.00	0.49	1.893	O	|	|	|	|	3.80
193.083	0.00	0.51	2.102	O	|	|	|	|	4.14	198.250	0.00	0.49	1.890	O	|	|	|	|	3.80
193.167	0.00	0.51	2.099	O	|	|	|	|	4.13	198.333	0.00	0.49	1.886	O	|	|	|	|	3.79
193.250	0.00	0.51	2.095	O	|	|	|	|	4.13	198.417	0.00	0.48	1.883	O	|	|	|	|	3.78
193.333	0.00	0.51	2.092	O	|	|	|	|	4.12	198.500	0.00	0.48	1.880	O	|	|	|	|	3.78
193.417	0.00	0.51	2.088	O	|	|	|	|	4.12	198.583	0.00	0.48	1.876	O	|	|	|	|	3.77
193.500	0.00	0.51	2.085	O	|	|	|	|	4.11	198.667	0.00	0.48	1.873	O	|	|	|	|	3.77
193.583	0.00	0.51	2.081	O	|	|	|	|	4.11	198.750	0.00	0.48	1.870	O	|	|	|	|	3.76
193.667	0.00	0.51	2.078	O	|	|	|	|	4.10	198.833	0.00	0.48	1.866	O	|	|	|	|	3.76
193.750	0.00	0.51	2.074	O	|	|	|	|	4.10	198.917	0.00	0.48	1.863	O	|	|	|	|	3.75
193.833	0.00	0.51	2.071	O	|	|	|	|	4.09	199.000	0.00	0.48	1.860	O	|	|	|	|	3.74
193.917	0.00	0.51	2.067	O	|	|	|	|	4.09	199.083	0.00	0.48	1.856	O	|	|	|	|	3.74
194.000	0.00	0.50	2.064	O	|	|	|	|	4.08	199.167	0.00	0.48	1.853	O	|	|	|	|	3.73
194.083	0.00	0.50	2.060	O	|	|	|	|	4.08	199.250	0.00	0.48	1.850	O	|	|	|	|	3.73
194.167	0.00	0.50	2.057	O	|	|	|	|	4.07	199.333	0.00	0.48	1.846	O	|	|	|	|	3.72
194.250	0.00	0.50	2.053	O	|	|	|	|	4.06	199.417	0.00	0.48	1.843	O	|	|	|	|	3.72
194.333	0.00	0.50	2.050	O	|	|	|	|	4.06	199.500	0.00	0.48	1.840	O	|	|	|	|	3.71
194.417	0.00	0.50	2.046	O	|	|	|	|	4.05	199.583	0.00	0.48	1.837	O	|	|	|	|	3.71
194.500	0.00	0.50	2.043	O	|	|	|	|	4.05	199.667	0.00	0.48	1.833	O	|	|	|	|	3.70
194.583	0.00	0.50	2.040	O	|	|	|	|	4.04	199.750	0.00	0.48	1.830	O	|	|	|	|	3.69
194.667	0.00	0.50	2.036	O	|	|	|	|	4.04	199.833	0.00	0.48	1.827	O	|	|	|	|	3.69
194.750	0.00	0.50	2.033	O	|	|	|	|	4.03	199.917	0.00	0.48	1.823	O	|	|	|	|	3.68
194.833	0.00	0.50	2.029	O	|	|	|	|	4.03	200.000	0.00	0.48	1.820	O	|	|	|	|	3.68
194.917	0.00	0.50	2.026	O	|	|	|	|	4.02	200.083	0.00	0.48	1.817	O	|	|	|	|	3.67
195.000	0.00	0.50	2.022	O	|	|	|	|	4.02	200.167	0.00	0.48	1.814	O	|	|	|	|	3.67
195.083	0.00	0.50	2.019	O	|	|	|	|	4.01	200.250	0.00	0.48	1.810	O	|	|	|	|	3.66
195.167	0.00	0.50	2.015	O	|	|	|	|	4.01	200.333	0.00	0.48	1.807	O	|	|	|	|	3.66
195.250	0.00	0.50	2.012	O	|	|	|	|	4.00	200.417	0.00	0.48	1.804	O	|	|	|	|	3.65
195.333	0.00	0.50	2.008	O	|	|	|	|	4.00	200.500	0.00	0.48	1.800	O	|	|	|	|	3.64
195.417	0.00	0.50	2.005	O	|	|	|	|	3.99	200.583	0.00	0.47	1.797	O	|	|	|	|	3.64
195.500	0.00	0.50	2.002	O	|	|	|	|	3.98	200.667	0.00	0.47	1.794	O	|	|	|	|	3.63
195.583	0.00	0.50	1.998	O	|	|	|	|	3.98	200.750	0.00	0.47	1.791	O	|	|	|	|	3.63
195.667	0.00	0.50	1.995	O	|	|	|	|	3.97	200.833	0.00	0.47	1.787	O	|	|	|	|	3.62
195.750	0.00	0.50	1.991	O	|	|	|	|	3.97	200.917	0.00	0.47	1.784	O	|	|	|	|	3.62
195.833	0.00	0.50	1.988	O	|	|	|	|	3.96	201.000	0.00	0.47	1.781	O	|	|	|	|	3.61
195.917	0.00	0.50	1.984	O	|	|	|	|	3.96	201.083	0.00	0.47	1.778	O	|	|	|	|	3.61
196.000	0.00	0.50	1.981	O	|	|	|	|	3.95	201.167	0.00	0.47	1.774	O	|	|	|	|	3.60
196.083	0.00	0.50	1.978	O	|	|	|	|	3.94	201.250	0.00	0.47	1.771	O	|	|	|	|	3.59
196.167	0.00	0.50	1.974	O	|	|	|	|	3.94	201.333	0.00	0.47	1.768	O	|	|	|	|	3.59
196.250	0.00	0.50	1.971	O	|	|	|	|	3.93	201.417	0.00	0.47	1.765	O	|	|	|	|	3.58
196.333	0.00	0.49	1.967	O	|	|	|	|	3.93	201.500	0.00	0.47	1.761	O	|	|	|	|	3.58
196.417	0.00	0.49	1.964	O	|	|	|	|	3.92	201.583	0.00	0.47	1.758	O	|	|	|	|	3.57
196.500	0.00	0.49	1.961	O	|	|	|	|	3.91	201.667	0.00	0.47	1.755	O	|	|	|	|	3.57
196.583	0.00	0.49	1.957	O	|	|	|	|	3.91	201.750	0.00	0.47	1.752	O	|	|	|	|	3.56
196.667	0.00	0.49	1.954	O	|	|	|	|	3.90	201.833	0.00	0.47	1.748	O	|	|	|	|	3.56
196.750	0.00	0.49	1.950	O	|	|	|	|	3.90	201.917	0.00	0.47	1.745	O	|	|	|	|	3.55

202.000	0.00	0.47	1.742	O	|	|	|	|	3.55	207.167	0.00	0.45	1.547	O	|	|	|	|	3.22
202.083	0.00	0.47	1.739	O	|	|	|	|	3.54	207.250	0.00	0.44	1.544	O	|	|	|	|	3.21
202.167	0.00	0.47	1.735	O	|	|	|	|	3.53	207.333	0.00	0.44	1.541	O	|	|	|	|	3.21
202.250	0.00	0.47	1.732	O	|	|	|	|	3.53	207.417	0.00	0.44	1.538	O	|	|	|	|	3.20
202.333	0.00	0.47	1.729	O	|	|	|	|	3.52	207.500	0.00	0.44	1.535	O	|	|	|	|	3.20
202.417	0.00	0.47	1.726	O	|	|	|	|	3.52	207.583	0.00	0.44	1.532	O	|	|	|	|	3.19
202.500	0.00	0.47	1.723	O	|	|	|	|	3.51	207.667	0.00	0.44	1.529	O	|	|	|	|	3.19
202.583	0.00	0.47	1.719	O	|	|	|	|	3.51	207.750	0.00	0.44	1.526	O	|	|	|	|	3.18
202.667	0.00	0.47	1.716	O	|	|	|	|	3.50	207.833	0.00	0.44	1.523	O	|	|	|	|	3.17
202.750	0.00	0.46	1.713	O	|	|	|	|	3.50	207.917	0.00	0.44	1.519	O	|	|	|	|	3.17
202.833	0.00	0.46	1.710	O	|	|	|	|	3.49	208.000	0.00	0.44	1.516	O	|	|	|	|	3.16
202.917	0.00	0.46	1.707	O	|	|	|	|	3.49	208.083	0.00	0.44	1.513	O	|	|	|	|	3.16
203.000	0.00	0.46	1.703	O	|	|	|	|	3.48	208.167	0.00	0.44	1.510	O	|	|	|	|	3.15
203.083	0.00	0.46	1.700	O	|	|	|	|	3.48	208.250	0.00	0.44	1.507	O	|	|	|	|	3.15
203.167	0.00	0.46	1.697	O	|	|	|	|	3.47	208.333	0.00	0.44	1.504	O	|	|	|	|	3.14
203.250	0.00	0.46	1.694	O	|	|	|	|	3.46	208.417	0.00	0.44	1.501	O	|	|	|	|	3.14
203.333	0.00	0.46	1.691	O	|	|	|	|	3.46	208.500	0.00	0.44	1.498	O	|	|	|	|	3.13
203.417	0.00	0.46	1.687	O	|	|	|	|	3.45	208.583	0.00	0.44	1.495	O	|	|	|	|	3.13
203.500	0.00	0.46	1.684	O	|	|	|	|	3.45	208.667	0.00	0.44	1.492	O	|	|	|	|	3.12
203.583	0.00	0.46	1.681	O	|	|	|	|	3.44	208.750	0.00	0.44	1.489	O	|	|	|	|	3.12
203.667	0.00	0.46	1.678	O	|	|	|	|	3.44	208.833	0.00	0.44	1.486	O	|	|	|	|	3.11
203.750	0.00	0.46	1.675	O	|	|	|	|	3.43	208.917	0.00	0.44	1.483	O	|	|	|	|	3.11
203.833	0.00	0.46	1.672	O	|	|	|	|	3.43	209.000	0.00	0.44	1.480	O	|	|	|	|	3.10
203.917	0.00	0.46	1.668	O	|	|	|	|	3.42	209.083	0.00	0.44	1.477	O	|	|	|	|	3.10
204.000	0.00	0.46	1.665	O	|	|	|	|	3.42	209.167	0.00	0.44	1.474	O	|	|	|	|	3.09
204.083	0.00	0.46	1.662	O	|	|	|	|	3.41	209.250	0.00	0.44	1.471	O	|	|	|	|	3.09
204.167	0.00	0.46	1.659	O	|	|	|	|	3.41	209.333	0.00	0.44	1.468	O	|	|	|	|	3.08
204.250	0.00	0.46	1.656	O	|	|	|	|	3.40	209.417	0.00	0.44	1.465	O	|	|	|	|	3.08
204.333	0.00	0.46	1.653	O	|	|	|	|	3.39	209.500	0.00	0.44	1.462	O	|	|	|	|	3.07
204.417	0.00	0.46	1.650	O	|	|	|	|	3.39	209.583	0.00	0.43	1.459	O	|	|	|	|	3.07
204.500	0.00	0.46	1.646	O	|	|	|	|	3.38	209.667	0.00	0.43	1.456	O	|	|	|	|	3.06
204.583	0.00	0.46	1.643	O	|	|	|	|	3.38	209.750	0.00	0.43	1.453	O	|	|	|	|	3.06
204.667	0.00	0.46	1.640	O	|	|	|	|	3.37	209.833	0.00	0.43	1.450	O	|	|	|	|	3.05
204.750	0.00	0.46	1.637	O	|	|	|	|	3.37	209.917	0.00	0.43	1.447	O	|	|	|	|	3.05
204.833	0.00	0.46	1.634	O	|	|	|	|	3.36	210.000	0.00	0.43	1.444	O	|	|	|	|	3.04
204.917	0.00	0.46	1.631	O	|	|	|	|	3.36	210.083	0.00	0.43	1.441	O	|	|	|	|	3.04
205.000	0.00	0.45	1.628	O	|	|	|	|	3.35	210.167	0.00	0.43	1.438	O	|	|	|	|	3.03
205.083	0.00	0.45	1.624	O	|	|	|	|	3.35	210.250	0.00	0.43	1.435	O	|	|	|	|	3.03
205.167	0.00	0.45	1.621	O	|	|	|	|	3.34	210.333	0.00	0.43	1.432	O	|	|	|	|	3.02
205.250	0.00	0.45	1.618	O	|	|	|	|	3.34	210.417	0.00	0.43	1.429	O	|	|	|	|	3.02
205.333	0.00	0.45	1.615	O	|	|	|	|	3.33	210.500	0.00	0.43	1.426	O	|	|	|	|	3.01
205.417	0.00	0.45	1.612	O	|	|	|	|	3.33	210.583	0.00	0.43	1.423	O	|	|	|	|	3.01
205.500	0.00	0.45	1.609	O	|	|	|	|	3.32	210.667	0.00	0.43	1.420	O	|	|	|	|	3.00
205.583	0.00	0.45	1.606	O	|	|	|	|	3.32	210.750	0.00	0.43	1.417	O	|	|	|	|	3.00
205.667	0.00	0.45	1.603	O	|	|	|	|	3.31	210.833	0.00	0.43	1.414	O	|	|	|	|	2.99
205.750	0.00	0.45	1.599	O	|	|	|	|	3.30	210.917	0.00	0.43	1.412	O	|	|	|	|	2.99
205.833	0.00	0.45	1.596	O	|	|	|	|	3.30	211.000	0.00	0.43	1.409	O	|	|	|	|	2.98
205.917	0.00	0.45	1.593	O	|	|	|	|	3.29	211.083	0.00	0.43	1.406	O	|	|	|	|	2.97
206.000	0.00	0.45	1.590	O	|	|	|	|	3.29	211.167	0.00	0.43	1.403	O	|	|	|	|	2.97
206.083	0.00	0.45	1.587	O	|	|	|	|	3.28	211.250	0.00	0.43	1.400	O	|	|	|	|	2.96
206.167	0.00	0.45	1.584	O	|	|	|	|	3.28	211.333	0.00	0.43	1.397	O	|	|	|	|	2.96
206.250	0.00	0.45	1.581	O	|	|	|	|	3.27	211.417	0.00	0.43	1.394	O	|	|	|	|	2.95
206.333	0.00	0.45	1.578	O	|	|	|	|	3.27	211.500	0.00	0.42	1.391	O	|	|	|	|	2.94
206.417	0.00	0.45	1.575	O	|	|	|	|	3.26	211.583	0.00	0.42	1.388	O	|	|	|	|	2.94
206.500	0.00	0.45	1.572	O	|	|	|	|	3.26	211.667	0.00	0.42	1.385	O	|	|	|	|	2.93
206.583	0.00	0.45	1.568	O	|	|	|	|	3.25	211.750	0.00	0.42	1.382	O	|	|	|	|	2.93
206.667	0.00	0.45	1.565	O	|	|	|	|	3.25	211.833	0.00	0.42	1.379	O	|	|	|	|	2.92
206.750	0.00	0.45	1.562	O	|	|	|	|	3.24	211.917	0.00	0.42	1.376	O	|	|	|	|	2.91
206.833	0.00	0.45	1.559	O	|	|	|	|	3.24	212.000	0.00	0.42	1.373	O	|	|	|	|	2.91
206.917	0.00	0.45	1.556	O	|	|	|	|	3.23	212.083	0.00	0.42	1.371	O	|	|	|	|	2.90
207.000	0.00	0.45	1.553	O	|	|	|	|	3.23	212.167	0.00	0.42	1.368	O	|	|	|	|	2.90
207.083	0.00	0.45	1.550	O	|	|	|	|	3.22	212.250	0.00	0.42	1.365	O	|	|	|	|	2.89

212.333	0.00	0.42	1.362	O	|	|	|	|	2.89	217.500	0.00	0.39	1.190	O	|	|	|	|	2.54
212.417	0.00	0.42	1.359	O	|	|	|	|	2.88	217.583	0.00	0.39	1.187	O	|	|	|	|	2.54
212.500	0.00	0.42	1.356	O	|	|	|	|	2.87	217.667	0.00	0.39	1.185	O	|	|	|	|	2.53
212.583	0.00	0.42	1.353	O	|	|	|	|	2.87	217.750	0.00	0.39	1.182	O	|	|	|	|	2.53
212.667	0.00	0.42	1.350	O	|	|	|	|	2.86	217.833	0.00	0.38	1.179	O	|	|	|	|	2.52
212.750	0.00	0.42	1.348	O	|	|	|	|	2.86	217.917	0.00	0.38	1.177	O	|	|	|	|	2.52
212.833	0.00	0.42	1.345	O	|	|	|	|	2.85	218.000	0.00	0.38	1.174	O	|	|	|	|	2.51
212.917	0.00	0.42	1.342	O	|	|	|	|	2.85	218.083	0.00	0.38	1.171	O	|	|	|	|	2.51
213.000	0.00	0.41	1.339	O	|	|	|	|	2.84	218.167	0.00	0.38	1.169	O	|	|	|	|	2.50
213.083	0.00	0.41	1.336	O	|	|	|	|	2.83	218.250	0.00	0.38	1.166	O	|	|	|	|	2.50
213.167	0.00	0.41	1.333	O	|	|	|	|	2.83	218.333	0.00	0.38	1.164	O	|	|	|	|	2.49
213.250	0.00	0.41	1.330	O	|	|	|	|	2.82	218.417	0.00	0.38	1.161	O	|	|	|	|	2.48
213.333	0.00	0.41	1.328	O	|	|	|	|	2.82	218.500	0.00	0.38	1.158	O	|	|	|	|	2.48
213.417	0.00	0.41	1.325	O	|	|	|	|	2.81	218.583	0.00	0.38	1.156	O	|	|	|	|	2.47
213.500	0.00	0.41	1.322	O	|	|	|	|	2.81	218.667	0.00	0.38	1.153	O	|	|	|	|	2.47
213.583	0.00	0.41	1.319	O	|	|	|	|	2.80	218.750	0.00	0.38	1.150	O	|	|	|	|	2.46
213.667	0.00	0.41	1.316	O	|	|	|	|	2.79	218.833	0.00	0.38	1.148	O	|	|	|	|	2.46
213.750	0.00	0.41	1.313	O	|	|	|	|	2.79	218.917	0.00	0.38	1.145	O	|	|	|	|	2.45
213.833	0.00	0.41	1.311	O	|	|	|	|	2.78	219.000	0.00	0.38	1.143	O	|	|	|	|	2.45
213.917	0.00	0.41	1.308	O	|	|	|	|	2.78	219.083	0.00	0.38	1.140	O	|	|	|	|	2.44
214.000	0.00	0.41	1.305	O	|	|	|	|	2.77	219.167	0.00	0.38	1.137	O	|	|	|	|	2.44
214.083	0.00	0.41	1.302	O	|	|	|	|	2.77	219.250	0.00	0.38	1.135	O	|	|	|	|	2.43
214.167	0.00	0.41	1.299	O	|	|	|	|	2.76	219.333	0.00	0.38	1.132	O	|	|	|	|	2.43
214.250	0.00	0.41	1.296	O	|	|	|	|	2.76	219.417	0.00	0.38	1.130	O	|	|	|	|	2.42
214.333	0.00	0.41	1.294	O	|	|	|	|	2.75	219.500	0.00	0.37	1.127	O	|	|	|	|	2.42
214.417	0.00	0.41	1.291	O	|	|	|	|	2.74	219.583	0.00	0.37	1.124	O	|	|	|	|	2.41
214.500	0.00	0.41	1.288	O	|	|	|	|	2.74	219.667	0.00	0.37	1.122	O	|	|	|	|	2.41
214.583	0.00	0.40	1.285	O	|	|	|	|	2.73	219.750	0.00	0.37	1.119	O	|	|	|	|	2.40
214.667	0.00	0.40	1.283	O	|	|	|	|	2.73	219.833	0.00	0.37	1.117	O	|	|	|	|	2.40
214.750	0.00	0.40	1.280	O	|	|	|	|	2.72	219.917	0.00	0.37	1.114	O	|	|	|	|	2.39
214.833	0.00	0.40	1.277	O	|	|	|	|	2.72	220.000	0.00	0.37	1.112	O	|	|	|	|	2.39
214.917	0.00	0.40	1.274	O	|	|	|	|	2.71	220.083	0.00	0.37	1.109	O	|	|	|	|	2.38
215.000	0.00	0.40	1.271	O	|	|	|	|	2.71	220.167	0.00	0.37	1.107	O	|	|	|	|	2.38
215.083	0.00	0.40	1.269	O	|	|	|	|	2.70	220.250	0.00	0.37	1.104	O	|	|	|	|	2.37
215.167	0.00	0.40	1.266	O	|	|	|	|	2.69	220.333	0.00	0.37	1.101	O	|	|	|	|	2.37
215.250	0.00	0.40	1.263	O	|	|	|	|	2.69	220.417	0.00	0.37	1.099	O	|	|	|	|	2.36
215.333	0.00	0.40	1.260	O	|	|	|	|	2.68	220.500	0.00	0.37	1.096	O	|	|	|	|	2.36
215.417	0.00	0.40	1.258	O	|	|	|	|	2.68	220.583	0.00	0.37	1.094	O	|	|	|	|	2.35
215.500	0.00	0.40	1.255	O	|	|	|	|	2.67	220.667	0.00	0.37	1.091	O	|	|	|	|	2.35
215.583	0.00	0.40	1.252	O	|	|	|	|	2.67	220.750	0.00	0.37	1.089	O	|	|	|	|	2.34
215.667	0.00	0.40	1.249	O	|	|	|	|	2.66	220.833	0.00	0.37	1.086	O	|	|	|	|	2.34
215.750	0.00	0.40	1.247	O	|	|	|	|	2.66	220.917	0.00	0.37	1.084	O	|	|	|	|	2.33
215.833	0.00	0.40	1.244	O	|	|	|	|	2.65	221.000	0.00	0.37	1.081	O	|	|	|	|	2.33
215.917	0.00	0.40	1.241	O	|	|	|	|	2.65	221.083	0.00	0.37	1.079	O	|	|	|	|	2.32
216.000	0.00	0.40	1.238	O	|	|	|	|	2.64	221.167	0.00	0.36	1.076	O	|	|	|	|	2.32
216.083	0.00	0.40	1.236	O	|	|	|	|	2.63	221.250	0.00	0.36	1.074	O	|	|	|	|	2.31
216.167	0.00	0.39	1.233	O	|	|	|	|	2.63	221.333	0.00	0.36	1.071	O	|	|	|	|	2.31
216.250	0.00	0.39	1.230	O	|	|	|	|	2.62	221.417	0.00	0.36	1.069	O	|	|	|	|	2.30
216.333	0.00	0.39	1.228	O	|	|	|	|	2.62	221.500	0.00	0.36	1.066	O	|	|	|	|	2.30
216.417	0.00	0.39	1.225	O	|	|	|	|	2.61	221.583	0.00	0.36	1.064	O	|	|	|	|	2.29
216.500	0.00	0.39	1.222	O	|	|	|	|	2.61	221.667	0.00	0.36	1.061	O	|	|	|	|	2.29
216.583	0.00	0.39	1.219	O	|	|	|	|	2.60	221.750	0.00	0.36	1.059	O	|	|	|	|	2.28
216.667	0.00	0.39	1.217	O	|	|	|	|	2.60	221.833	0.00	0.36	1.056	O	|	|	|	|	2.28
216.750	0.00	0.39	1.214	O	|	|	|	|	2.59	221.917	0.00	0.36	1.054	O	|	|	|	|	2.27
216.833	0.00	0.39	1.211	O	|	|	|	|	2.59	222.000	0.00	0.36	1.051	O	|	|	|	|	2.27
216.917	0.00	0.39	1.209	O	|	|	|	|	2.58	222.083	0.00	0.36	1.049	O	|	|	|	|	2.26
217.000	0.00	0.39	1.206	O	|	|	|	|	2.57	222.167	0.00	0.36	1.046	O	|	|	|	|	2.26
217.083	0.00	0.39	1.203	O	|	|	|	|	2.57	222.250	0.00	0.36	1.044	O	|	|	|	|	2.25
217.167	0.00	0.39	1.201	O	|	|	|	|	2.56	222.333	0.00	0.36	1.041	O	|	|	|	|	2.25
217.250	0.00	0.39	1.198	O	|	|	|	|	2.56	222.417	0.00	0.36	1.039	O	|	|	|	|	2.24
217.333	0.00	0.39	1.195	O	|	|	|	|	2.55	222.500	0.00	0.36	1.036	O	|	|	|	|	2.24
217.417	0.00	0.39	1.193	O	|	|	|	|	2.55	222.583	0.00	0.36	1.034	O	|	|	|	|	2.23

222.667	0.00	0.36	1.031	O					2.23	227.833	0.00	0.33	0.885	O					1.93
222.750	0.00	0.36	1.029	O					2.22	227.917	0.00	0.33	0.883	O					1.93
222.833	0.00	0.36	1.027	O					2.22	228.000	0.00	0.33	0.881	O					1.93
222.917	0.00	0.36	1.024	O					2.21	228.083	0.00	0.33	0.878	O					1.92
223.000	0.00	0.35	1.022	O					2.21	228.167	0.00	0.33	0.876	O					1.92
223.083	0.00	0.35	1.019	O					2.20	228.250	0.00	0.33	0.874	O					1.91
223.167	0.00	0.35	1.017	O					2.20	228.333	0.00	0.33	0.872	O					1.91
223.250	0.00	0.35	1.014	O					2.19	228.417	0.00	0.33	0.869	O					1.90
223.333	0.00	0.35	1.012	O					2.19	228.500	0.00	0.33	0.867	O					1.90
223.417	0.00	0.35	1.009	O					2.18	228.583	0.00	0.32	0.865	O					1.89
223.500	0.00	0.35	1.007	O					2.18	228.667	0.00	0.32	0.863	O					1.89
223.583	0.00	0.35	1.005	O					2.17	228.750	0.00	0.32	0.860	O					1.89
223.667	0.00	0.35	1.002	O					2.17	228.833	0.00	0.32	0.858	O					1.88
223.750	0.00	0.35	1.000	O					2.16	228.917	0.00	0.32	0.856	O					1.88
223.833	0.00	0.35	0.997	O					2.16	229.000	0.00	0.32	0.854	O					1.87
223.917	0.00	0.35	0.995	O					2.15	229.083	0.00	0.32	0.852	O					1.87
224.000	0.00	0.35	0.993	O					2.15	229.167	0.00	0.32	0.849	O					1.86
224.083	0.00	0.35	0.990	O					2.14	229.250	0.00	0.32	0.847	O					1.86
224.167	0.00	0.35	0.988	O					2.14	229.333	0.00	0.32	0.845	O					1.85
224.250	0.00	0.35	0.985	O					2.13	229.417	0.00	0.32	0.843	O					1.85
224.333	0.00	0.35	0.983	O					2.13	229.500	0.00	0.32	0.840	O					1.85
224.417	0.00	0.35	0.981	O					2.12	229.583	0.00	0.32	0.838	O					1.84
224.500	0.00	0.35	0.978	O					2.12	229.667	0.00	0.32	0.836	O					1.84
224.583	0.00	0.35	0.976	O					2.12	229.750	0.00	0.32	0.834	O					1.83
224.667	0.00	0.35	0.973	O					2.11	229.833	0.00	0.32	0.832	O					1.83
224.750	0.00	0.35	0.971	O					2.11	229.917	0.00	0.32	0.829	O					1.82
224.833	0.00	0.34	0.969	O					2.10	230.000	0.00	0.32	0.827	O					1.82
224.917	0.00	0.34	0.966	O					2.10	230.083	0.00	0.32	0.825	O					1.81
225.000	0.00	0.34	0.964	O					2.09	230.167	0.00	0.32	0.823	O					1.81
225.083	0.00	0.34	0.962	O					2.09	230.250	0.00	0.32	0.821	O					1.81
225.167	0.00	0.34	0.959	O					2.08	230.333	0.00	0.32	0.819	O					1.80
225.250	0.00	0.34	0.957	O					2.08	230.417	0.00	0.32	0.816	O					1.80
225.333	0.00	0.34	0.954	O					2.07	230.500	0.00	0.32	0.814	O					1.79
225.417	0.00	0.34	0.952	O					2.07	230.583	0.00	0.31	0.812	O					1.79
225.500	0.00	0.34	0.950	O					2.06	230.667	0.00	0.31	0.810	O					1.78
225.583	0.00	0.34	0.947	O					2.06	230.750	0.00	0.31	0.808	O					1.78
225.667	0.00	0.34	0.945	O					2.05	230.833	0.00	0.31	0.806	O					1.78
225.750	0.00	0.34	0.943	O					2.05	230.917	0.00	0.31	0.803	O					1.77
225.833	0.00	0.34	0.940	O					2.04	231.000	0.00	0.31	0.801	O					1.77
225.917	0.00	0.34	0.938	O					2.04	231.083	0.00	0.31	0.799	O					1.76
226.000	0.00	0.34	0.936	O					2.04	231.167	0.00	0.31	0.797	O					1.76
226.083	0.00	0.34	0.933	O					2.03	231.250	0.00	0.31	0.795	O					1.75
226.167	0.00	0.34	0.931	O					2.03	231.333	0.00	0.31	0.793	O					1.75
226.250	0.00	0.34	0.929	O					2.02	231.417	0.00	0.31	0.790	O					1.75
226.333	0.00	0.34	0.926	O					2.02	231.500	0.00	0.31	0.788	O					1.74
226.417	0.00	0.34	0.924	O					2.01	231.583	0.00	0.31	0.786	O					1.74
226.500	0.00	0.34	0.922	O					2.01	231.667	0.00	0.31	0.784	O					1.73
226.583	0.00	0.34	0.919	O					2.00	231.750	0.00	0.31	0.782	O					1.73
226.667	0.00	0.33	0.917	O					2.00	231.833	0.00	0.31	0.780	O					1.72
226.750	0.00	0.33	0.915	O					1.99	231.917	0.00	0.31	0.778	O					1.72
226.833	0.00	0.33	0.913	O					1.99	232.000	0.00	0.31	0.776	O					1.72
226.917	0.00	0.33	0.910	O					1.98	232.083	0.00	0.31	0.773	O					1.71
227.000	0.00	0.33	0.908	O					1.98	232.167	0.00	0.31	0.771	O					1.71
227.083	0.00	0.33	0.906	O					1.98	232.250	0.00	0.31	0.769	O					1.70
227.167	0.00	0.33	0.903	O					1.97	232.333	0.00	0.31	0.767	O					1.70
227.250	0.00	0.33	0.901	O					1.97	232.417	0.00	0.31	0.765	O					1.69
227.333	0.00	0.33	0.899	O					1.96	232.500	0.00	0.31	0.763	O					1.69
227.417	0.00	0.33	0.897	O					1.96	232.583	0.00	0.31	0.761	O					1.69
227.500	0.00	0.33	0.894	O					1.95	232.667	0.00	0.30	0.759	O					1.68
227.583	0.00	0.33	0.892	O					1.95	232.750	0.00	0.30	0.757	O					1.68
227.667	0.00	0.33	0.890	O					1.94	232.833	0.00	0.30	0.755	O					1.67
227.750	0.00	0.33	0.887	O					1.94	232.917	0.00	0.30	0.752	O					1.67

233.000	0.00	0.30	0.750	O	|	|	|	|	1.67	238.167	0.00	0.28	0.626	O	|	|	|	|	1.42
233.083	0.00	0.30	0.748	O	|	|	|	|	1.66	238.250	0.00	0.28	0.624	O	|	|	|	|	1.41
233.167	0.00	0.30	0.746	O	|	|	|	|	1.66	238.333	0.00	0.28	0.622	O	|	|	|	|	1.41
233.250	0.00	0.30	0.744	O	|	|	|	|	1.65	238.417	0.00	0.28	0.620	O	|	|	|	|	1.41
233.333	0.00	0.30	0.742	O	|	|	|	|	1.65	238.500	0.00	0.28	0.618	O	|	|	|	|	1.40
233.417	0.00	0.30	0.740	O	|	|	|	|	1.64	238.583	0.00	0.28	0.616	O	|	|	|	|	1.40
233.500	0.00	0.30	0.738	O	|	|	|	|	1.64	238.667	0.00	0.28	0.614	O	|	|	|	|	1.39
233.583	0.00	0.30	0.736	O	|	|	|	|	1.64	238.750	0.00	0.28	0.613	O	|	|	|	|	1.39
233.667	0.00	0.30	0.734	O	|	|	|	|	1.63	238.833	0.00	0.28	0.611	O	|	|	|	|	1.39
233.750	0.00	0.30	0.732	O	|	|	|	|	1.63	238.917	0.00	0.28	0.609	O	|	|	|	|	1.38
233.833	0.00	0.30	0.730	O	|	|	|	|	1.62	239.000	0.00	0.28	0.607	O	|	|	|	|	1.38
233.917	0.00	0.30	0.728	O	|	|	|	|	1.62	239.083	0.00	0.28	0.605	O	|	|	|	|	1.38
234.000	0.00	0.30	0.725	O	|	|	|	|	1.62	239.167	0.00	0.28	0.603	O	|	|	|	|	1.37
234.083	0.00	0.30	0.723	O	|	|	|	|	1.61	239.250	0.00	0.27	0.601	O	|	|	|	|	1.37
234.167	0.00	0.30	0.721	O	|	|	|	|	1.61	239.333	0.00	0.27	0.599	O	|	|	|	|	1.36
234.250	0.00	0.30	0.719	O	|	|	|	|	1.60	239.417	0.00	0.27	0.597	O	|	|	|	|	1.36
234.333	0.00	0.30	0.717	O	|	|	|	|	1.60	239.500	0.00	0.27	0.595	O	|	|	|	|	1.36
234.417	0.00	0.30	0.715	O	|	|	|	|	1.60	239.583	0.00	0.27	0.594	O	|	|	|	|	1.35
234.500	0.00	0.30	0.713	O	|	|	|	|	1.59	239.667	0.00	0.27	0.592	O	|	|	|	|	1.35
234.583	0.00	0.30	0.711	O	|	|	|	|	1.59	239.750	0.00	0.27	0.590	O	|	|	|	|	1.34
234.667	0.00	0.30	0.709	O	|	|	|	|	1.58	239.833	0.00	0.27	0.588	O	|	|	|	|	1.34
234.750	0.00	0.30	0.707	O	|	|	|	|	1.58	239.917	0.00	0.27	0.586	O	|	|	|	|	1.34
234.833	0.00	0.29	0.705	O	|	|	|	|	1.57	240.000	0.00	0.27	0.584	O	|	|	|	|	1.33
234.917	0.00	0.29	0.703	O	|	|	|	|	1.57	240.083	0.00	0.27	0.582	O	|	|	|	|	1.33
235.000	0.00	0.29	0.701	O	|	|	|	|	1.57	240.167	0.00	0.27	0.580	O	|	|	|	|	1.33
235.083	0.00	0.29	0.699	O	|	|	|	|	1.56	240.250	0.00	0.27	0.579	O	|	|	|	|	1.32
235.167	0.00	0.29	0.697	O	|	|	|	|	1.56	240.333	0.00	0.27	0.577	O	|	|	|	|	1.32
235.250	0.00	0.29	0.695	O	|	|	|	|	1.55	240.417	0.00	0.27	0.575	O	|	|	|	|	1.32
235.333	0.00	0.29	0.693	O	|	|	|	|	1.55	240.500	0.00	0.27	0.573	O	|	|	|	|	1.31
235.417	0.00	0.29	0.691	O	|	|	|	|	1.55	240.583	0.00	0.27	0.571	O	|	|	|	|	1.31
235.500	0.00	0.29	0.689	O	|	|	|	|	1.54	240.667	0.00	0.27	0.569	O	|	|	|	|	1.30
235.583	0.00	0.29	0.687	O	|	|	|	|	1.54	240.750	0.00	0.27	0.567	O	|	|	|	|	1.30
235.667	0.00	0.29	0.685	O	|	|	|	|	1.53	240.833	0.00	0.27	0.566	O	|	|	|	|	1.30
235.750	0.00	0.29	0.683	O	|	|	|	|	1.53	240.917	0.00	0.27	0.564	O	|	|	|	|	1.29
235.833	0.00	0.29	0.681	O	|	|	|	|	1.53	241.000	0.00	0.27	0.562	O	|	|	|	|	1.29
235.917	0.00	0.29	0.679	O	|	|	|	|	1.52	241.083	0.00	0.27	0.560	O	|	|	|	|	1.29
236.000	0.00	0.29	0.677	O	|	|	|	|	1.52	241.167	0.00	0.27	0.558	O	|	|	|	|	1.28
236.083	0.00	0.29	0.675	O	|	|	|	|	1.51	241.250	0.00	0.27	0.556	O	|	|	|	|	1.28
236.167	0.00	0.29	0.673	O	|	|	|	|	1.51	241.333	0.00	0.27	0.555	O	|	|	|	|	1.27
236.250	0.00	0.29	0.671	O	|	|	|	|	1.51	241.417	0.00	0.27	0.553	O	|	|	|	|	1.27
236.333	0.00	0.29	0.669	O	|	|	|	|	1.50	241.500	0.00	0.27	0.551	O	|	|	|	|	1.27
236.417	0.00	0.29	0.667	O	|	|	|	|	1.50	241.583	0.00	0.27	0.549	O	|	|	|	|	1.26
236.500	0.00	0.29	0.665	O	|	|	|	|	1.49	241.667	0.00	0.26	0.547	O	|	|	|	|	1.26
236.583	0.00	0.29	0.663	O	|	|	|	|	1.49	241.750	0.00	0.26	0.545	O	|	|	|	|	1.26
236.667	0.00	0.29	0.661	O	|	|	|	|	1.49	241.833	0.00	0.26	0.544	O	|	|	|	|	1.25
236.750	0.00	0.29	0.659	O	|	|	|	|	1.48	241.917	0.00	0.26	0.542	O	|	|	|	|	1.25
236.833	0.00	0.29	0.657	O	|	|	|	|	1.48	242.000	0.00	0.26	0.540	O	|	|	|	|	1.25
236.917	0.00	0.29	0.655	O	|	|	|	|	1.48	242.083	0.00	0.26	0.538	O	|	|	|	|	1.24
237.000	0.00	0.28	0.653	O	|	|	|	|	1.47	242.167	0.00	0.26	0.536	O	|	|	|	|	1.24
237.083	0.00	0.28	0.651	O	|	|	|	|	1.47	242.250	0.00	0.26	0.535	O	|	|	|	|	1.23
237.167	0.00	0.28	0.649	O	|	|	|	|	1.46	242.333	0.00	0.26	0.533	O	|	|	|	|	1.23
237.250	0.00	0.28	0.647	O	|	|	|	|	1.46	242.417	0.00	0.26	0.531	O	|	|	|	|	1.23
237.333	0.00	0.28	0.645	O	|	|	|	|	1.46	242.500	0.00	0.26	0.529	O	|	|	|	|	1.22
237.417	0.00	0.28	0.643	O	|	|	|	|	1.45	242.583	0.00	0.26	0.527	O	|	|	|	|	1.22
237.500	0.00	0.28	0.641	O	|	|	|	|	1.45	242.667	0.00	0.26	0.526	O	|	|	|	|	1.22
237.583	0.00	0.28	0.640	O	|	|	|	|	1.44	242.750	0.00	0.26	0.524	O	|	|	|	|	1.21
237.667	0.00	0.28	0.638	O	|	|	|	|	1.44	242.833	0.00	0.26	0.522	O	|	|	|	|	1.21
237.750	0.00	0.28	0.636	O	|	|	|	|	1.44	242.917	0.00	0.26	0.520	O	|	|	|	|	1.21
237.833	0.00	0.28	0.634	O	|	|	|	|	1.43	243.000	0.00	0.26	0.518	O	|	|	|	|	1.20
237.917	0.00	0.28	0.632	O	|	|	|	|	1.43	243.083	0.00	0.26	0.517	O	|	|	|	|	1.20
238.000	0.00	0.28	0.630	O	|	|	|	|	1.42	243.167	0.00	0.26	0.515	O	|	|	|	|	1.20
238.083	0.00	0.28	0.628	O	|	|	|	|	1.42	243.250	0.00	0.26	0.513	O	|	|	|	|	1.19

243.333	0.00	0.26	0.511	O	|	|	|	|	1.19	248.500	0.00	0.23	0.406	O	|	|	|	|	0.97
243.417	0.00	0.26	0.509	O	|	|	|	|	1.18	248.583	0.00	0.23	0.404	O	|	|	|	|	0.97
243.500	0.00	0.26	0.508	O	|	|	|	|	1.18	248.667	0.00	0.23	0.402	O	|	|	|	|	0.96
243.583	0.00	0.26	0.506	O	|	|	|	|	1.18	248.750	0.00	0.23	0.401	O	|	|	|	|	0.96
243.667	0.00	0.26	0.504	O	|	|	|	|	1.17	248.833	0.00	0.23	0.399	O	|	|	|	|	0.96
243.750	0.00	0.26	0.502	O	|	|	|	|	1.17	248.917	0.00	0.23	0.398	O	|	|	|	|	0.95
243.833	0.00	0.26	0.501	O	|	|	|	|	1.17	249.000	0.00	0.23	0.396	O	|	|	|	|	0.95
243.917	0.00	0.26	0.499	O	|	|	|	|	1.16	249.083	0.00	0.23	0.395	O	|	|	|	|	0.95
244.000	0.00	0.26	0.497	O	|	|	|	|	1.16	249.167	0.00	0.23	0.393	O	|	|	|	|	0.94
244.083	0.00	0.25	0.495	O	|	|	|	|	1.16	249.250	0.00	0.23	0.391	O	|	|	|	|	0.94
244.167	0.00	0.25	0.494	O	|	|	|	|	1.15	249.333	0.00	0.22	0.390	O	|	|	|	|	0.93
244.250	0.00	0.25	0.492	O	|	|	|	|	1.15	249.417	0.00	0.22	0.388	O	|	|	|	|	0.93
244.333	0.00	0.25	0.490	O	|	|	|	|	1.15	249.500	0.00	0.22	0.387	O	|	|	|	|	0.93
244.417	0.00	0.25	0.488	O	|	|	|	|	1.14	249.583	0.00	0.22	0.385	O	|	|	|	|	0.92
244.500	0.00	0.25	0.487	O	|	|	|	|	1.14	249.667	0.00	0.22	0.384	O	|	|	|	|	0.92
244.583	0.00	0.25	0.485	O	|	|	|	|	1.14	249.750	0.00	0.22	0.382	O	|	|	|	|	0.92
244.667	0.00	0.25	0.483	O	|	|	|	|	1.13	249.833	0.00	0.22	0.381	O	|	|	|	|	0.91
244.750	0.00	0.25	0.481	O	|	|	|	|	1.13	249.917	0.00	0.22	0.379	O	|	|	|	|	0.91
244.833	0.00	0.25	0.480	O	|	|	|	|	1.13	250.000	0.00	0.22	0.378	O	|	|	|	|	0.91
244.917	0.00	0.25	0.478	O	|	|	|	|	1.12	250.083	0.00	0.22	0.376	O	|	|	|	|	0.90
245.000	0.00	0.25	0.476	O	|	|	|	|	1.12	250.167	0.00	0.22	0.375	O	|	|	|	|	0.90
245.083	0.00	0.25	0.474	O	|	|	|	|	1.11	250.250	0.00	0.21	0.373	O	|	|	|	|	0.89
245.167	0.00	0.25	0.473	O	|	|	|	|	1.11	250.333	0.00	0.21	0.372	O	|	|	|	|	0.89
245.250	0.00	0.25	0.471	O	|	|	|	|	1.11	250.417	0.00	0.21	0.370	O	|	|	|	|	0.89
245.333	0.00	0.25	0.469	O	|	|	|	|	1.10	250.500	0.00	0.21	0.369	O	|	|	|	|	0.88
245.417	0.00	0.25	0.468	O	|	|	|	|	1.10	250.583	0.00	0.21	0.367	O	|	|	|	|	0.88
245.500	0.00	0.25	0.466	O	|	|	|	|	1.10	250.667	0.00	0.21	0.366	O	|	|	|	|	0.88
245.583	0.00	0.25	0.464	O	|	|	|	|	1.09	250.750	0.00	0.21	0.364	O	|	|	|	|	0.87
245.667	0.00	0.25	0.462	O	|	|	|	|	1.09	250.833	0.00	0.21	0.363	O	|	|	|	|	0.87
245.750	0.00	0.25	0.461	O	|	|	|	|	1.09	250.917	0.00	0.21	0.362	O	|	|	|	|	0.87
245.833	0.00	0.25	0.459	O	|	|	|	|	1.08	251.000	0.00	0.21	0.360	O	|	|	|	|	0.86
245.917	0.00	0.25	0.457	O	|	|	|	|	1.08	251.083	0.00	0.21	0.359	O	|	|	|	|	0.86
246.000	0.00	0.25	0.456	O	|	|	|	|	1.08	251.167	0.00	0.21	0.357	O	|	|	|	|	0.86
246.083	0.00	0.25	0.454	O	|	|	|	|	1.07	251.250	0.00	0.20	0.356	O	|	|	|	|	0.85
246.167	0.00	0.25	0.452	O	|	|	|	|	1.07	251.333	0.00	0.20	0.354	O	|	|	|	|	0.85
246.250	0.00	0.25	0.451	O	|	|	|	|	1.07	251.417	0.00	0.20	0.353	O	|	|	|	|	0.85
246.333	0.00	0.25	0.449	O	|	|	|	|	1.06	251.500	0.00	0.20	0.352	O	|	|	|	|	0.84
246.417	0.00	0.25	0.447	O	|	|	|	|	1.06	251.583	0.00	0.20	0.350	O	|	|	|	|	0.84
246.500	0.00	0.25	0.445	O	|	|	|	|	1.06	251.667	0.00	0.20	0.349	O	|	|	|	|	0.84
246.583	0.00	0.25	0.444	O	|	|	|	|	1.05	251.750	0.00	0.20	0.348	O	|	|	|	|	0.83
246.667	0.00	0.24	0.442	O	|	|	|	|	1.05	251.833	0.00	0.20	0.346	O	|	|	|	|	0.83
246.750	0.00	0.24	0.440	O	|	|	|	|	1.05	251.917	0.00	0.20	0.345	O	|	|	|	|	0.83
246.833	0.00	0.24	0.439	O	|	|	|	|	1.04	252.000	0.00	0.20	0.343	O	|	|	|	|	0.82
246.917	0.00	0.24	0.437	O	|	|	|	|	1.04	252.083	0.00	0.20	0.342	O	|	|	|	|	0.82
247.000	0.00	0.24	0.435	O	|	|	|	|	1.04	252.167	0.00	0.20	0.341	O	|	|	|	|	0.82
247.083	0.00	0.24	0.434	O	|	|	|	|	1.03	252.250	0.00	0.20	0.339	O	|	|	|	|	0.81
247.167	0.00	0.24	0.432	O	|	|	|	|	1.03	252.333	0.00	0.19	0.338	O	|	|	|	|	0.81
247.250	0.00	0.24	0.430	O	|	|	|	|	1.03	252.417	0.00	0.19	0.337	O	|	|	|	|	0.81
247.333	0.00	0.24	0.429	O	|	|	|	|	1.02	252.500	0.00	0.19	0.335	O	|	|	|	|	0.80
247.417	0.00	0.24	0.427	O	|	|	|	|	1.02	252.583	0.00	0.19	0.334	O	|	|	|	|	0.80
247.500	0.00	0.24	0.425	O	|	|	|	|	1.02	252.667	0.00	0.19	0.333	O	|	|	|	|	0.80
247.583	0.00	0.24	0.424	O	|	|	|	|	1.01	252.750	0.00	0.19	0.331	O	|	|	|	|	0.79
247.667	0.00	0.24	0.422	O	|	|	|	|	1.01	252.833	0.00	0.19	0.330	O	|	|	|	|	0.79
247.750	0.00	0.24	0.420	O	|	|	|	|	1.01	252.917	0.00	0.19	0.329	O	|	|	|	|	0.79
247.833	0.00	0.24	0.419	O	|	|	|	|	1.00	253.000	0.00	0.19	0.327	O	|	|	|	|	0.79
247.917	0.00	0.24	0.417	O	|	|	|	|	1.00	253.083	0.00	0.19	0.326	O	|	|	|	|	0.78
248.000	0.00	0.24	0.415	O	|	|	|	|	1.00	253.167	0.00	0.19	0.325	O	|	|	|	|	0.78
248.083	0.00	0.24	0.414	O	|	|	|	|	0.99	253.250	0.00	0.19	0.324	O	|	|	|	|	0.78
248.167	0.00	0.24	0.412	O	|	|	|	|	0.99	253.333	0.00	0.19	0.322	O	|	|	|	|	0.77
248.250	0.00	0.24	0.410	O	|	|	|	|	0.98	253.417	0.00	0.18	0.321	O	|	|	|	|	0.77
248.333	0.00	0.24	0.409	O	|	|	|	|	0.98	253.500	0.00	0.18	0.320	O	|	|	|	|	0.77
248.417	0.00	0.23	0.407	O	|	|	|	|	0.98	253.583	0.00	0.18	0.318	O	|	|	|	|	0.76

253.667	0.00	0.18	0.317	O	|	|	|	|	0.76	258.833	0.00	0.14	0.248	O	|	|	|	|	0.59
253.750	0.00	0.18	0.316	O	|	|	|	|	0.76	258.917	0.00	0.14	0.247	O	|	|	|	|	0.59
253.833	0.00	0.18	0.315	O	|	|	|	|	0.75	259.000	0.00	0.14	0.246	O	|	|	|	|	0.59
253.917	0.00	0.18	0.313	O	|	|	|	|	0.75	259.083	0.00	0.14	0.245	O	|	|	|	|	0.59
254.000	0.00	0.18	0.312	O	|	|	|	|	0.75	259.167	0.00	0.14	0.244	O	|	|	|	|	0.59
254.083	0.00	0.18	0.311	O	|	|	|	|	0.75	259.250	0.00	0.14	0.243	O	|	|	|	|	0.58
254.167	0.00	0.18	0.310	O	|	|	|	|	0.74	259.333	0.00	0.14	0.242	O	|	|	|	|	0.58
254.250	0.00	0.18	0.309	O	|	|	|	|	0.74	259.417	0.00	0.14	0.241	O	|	|	|	|	0.58
254.333	0.00	0.18	0.307	O	|	|	|	|	0.74	259.500	0.00	0.14	0.240	O	|	|	|	|	0.58
254.417	0.00	0.18	0.306	O	|	|	|	|	0.73	259.583	0.00	0.14	0.239	O	|	|	|	|	0.57
254.500	0.00	0.18	0.305	O	|	|	|	|	0.73	259.667	0.00	0.14	0.238	O	|	|	|	|	0.57
254.583	0.00	0.17	0.304	O	|	|	|	|	0.73	259.750	0.00	0.14	0.238	O	|	|	|	|	0.57
254.667	0.00	0.17	0.302	O	|	|	|	|	0.73	259.833	0.00	0.14	0.237	O	|	|	|	|	0.57
254.750	0.00	0.17	0.301	O	|	|	|	|	0.72	259.917	0.00	0.14	0.236	O	|	|	|	|	0.57
254.833	0.00	0.17	0.300	O	|	|	|	|	0.72	260.000	0.00	0.14	0.235	O	|	|	|	|	0.56
254.917	0.00	0.17	0.299	O	|	|	|	|	0.72	260.083	0.00	0.13	0.234	O	|	|	|	|	0.56
255.000	0.00	0.17	0.298	O	|	|	|	|	0.71	260.167	0.00	0.13	0.233	O	|	|	|	|	0.56
255.083	0.00	0.17	0.297	O	|	|	|	|	0.71	260.250	0.00	0.13	0.232	O	|	|	|	|	0.56
255.167	0.00	0.17	0.295	O	|	|	|	|	0.71	260.333	0.00	0.13	0.231	O	|	|	|	|	0.55
255.250	0.00	0.17	0.294	O	|	|	|	|	0.71	260.417	0.00	0.13	0.230	O	|	|	|	|	0.55
255.333	0.00	0.17	0.293	O	|	|	|	|	0.70	260.500	0.00	0.13	0.229	O	|	|	|	|	0.55
255.417	0.00	0.17	0.292	O	|	|	|	|	0.70	260.583	0.00	0.13	0.228	O	|	|	|	|	0.55
255.500	0.00	0.17	0.291	O	|	|	|	|	0.70	260.667	0.00	0.13	0.227	O	|	|	|	|	0.55
255.583	0.00	0.17	0.290	O	|	|	|	|	0.69	260.750	0.00	0.13	0.226	O	|	|	|	|	0.54
255.667	0.00	0.17	0.288	O	|	|	|	|	0.69	260.833	0.00	0.13	0.226	O	|	|	|	|	0.54
255.750	0.00	0.17	0.287	O	|	|	|	|	0.69	260.917	0.00	0.13	0.225	O	|	|	|	|	0.54
255.833	0.00	0.16	0.286	O	|	|	|	|	0.69	261.000	0.00	0.13	0.224	O	|	|	|	|	0.54
255.917	0.00	0.16	0.285	O	|	|	|	|	0.68	261.083	0.00	0.13	0.223	O	|	|	|	|	0.53
256.000	0.00	0.16	0.284	O	|	|	|	|	0.68	261.167	0.00	0.13	0.222	O	|	|	|	|	0.53
256.083	0.00	0.16	0.283	O	|	|	|	|	0.68	261.250	0.00	0.13	0.221	O	|	|	|	|	0.53
256.167	0.00	0.16	0.282	O	|	|	|	|	0.68	261.333	0.00	0.13	0.220	O	|	|	|	|	0.53
256.250	0.00	0.16	0.281	O	|	|	|	|	0.67	261.417	0.00	0.13	0.219	O	|	|	|	|	0.53
256.333	0.00	0.16	0.279	O	|	|	|	|	0.67	261.500	0.00	0.13	0.219	O	|	|	|	|	0.52
256.417	0.00	0.16	0.278	O	|	|	|	|	0.67	261.583	0.00	0.13	0.218	O	|	|	|	|	0.52
256.500	0.00	0.16	0.277	O	|	|	|	|	0.66	261.667	0.00	0.12	0.217	O	|	|	|	|	0.52
256.583	0.00	0.16	0.276	O	|	|	|	|	0.66	261.750	0.00	0.12	0.216	O	|	|	|	|	0.52
256.667	0.00	0.16	0.275	O	|	|	|	|	0.66	261.833	0.00	0.12	0.215	O	|	|	|	|	0.52
256.750	0.00	0.16	0.274	O	|	|	|	|	0.66	261.917	0.00	0.12	0.214	O	|	|	|	|	0.51
256.833	0.00	0.16	0.273	O	|	|	|	|	0.65	262.000	0.00	0.12	0.213	O	|	|	|	|	0.51
256.917	0.00	0.16	0.272	O	|	|	|	|	0.65	262.083	0.00	0.12	0.213	O	|	|	|	|	0.51
257.000	0.00	0.16	0.271	O	|	|	|	|	0.65	262.167	0.00	0.12	0.212	O	|	|	|	|	0.51
257.083	0.00	0.16	0.270	O	|	|	|	|	0.65	262.250	0.00	0.12	0.211	O	|	|	|	|	0.51
257.167	0.00	0.15	0.269	O	|	|	|	|	0.64	262.333	0.00	0.12	0.210	O	|	|	|	|	0.50
257.250	0.00	0.15	0.268	O	|	|	|	|	0.64	262.417	0.00	0.12	0.209	O	|	|	|	|	0.50
257.333	0.00	0.15	0.266	O	|	|	|	|	0.64	262.500	0.00	0.12	0.208	O	|	|	|	|	0.50
257.417	0.00	0.15	0.265	O	|	|	|	|	0.64	262.583	0.00	0.12	0.208	O	|	|	|	|	0.50
257.500	0.00	0.15	0.264	O	|	|	|	|	0.63	262.667	0.00	0.12	0.207	O	|	|	|	|	0.50
257.583	0.00	0.15	0.263	O	|	|	|	|	0.63	262.750	0.00	0.12	0.206	O	|	|	|	|	0.49
257.667	0.00	0.15	0.262	O	|	|	|	|	0.63	262.833	0.00	0.12	0.205	O	|	|	|	|	0.49
257.750	0.00	0.15	0.261	O	|	|	|	|	0.63	262.917	0.00	0.12	0.204	O	|	|	|	|	0.49
257.833	0.00	0.15	0.260	O	|	|	|	|	0.62	263.000	0.00	0.12	0.204	O	|	|	|	|	0.49
257.917	0.00	0.15	0.259	O	|	|	|	|	0.62	263.083	0.00	0.12	0.203	O	|	|	|	|	0.49
258.000	0.00	0.15	0.258	O	|	|	|	|	0.62	263.167	0.00	0.12	0.202	O	|	|	|	|	0.48
258.083	0.00	0.15	0.257	O	|	|	|	|	0.62	263.250	0.00	0.12	0.201	O	|	|	|	|	0.48
258.167	0.00	0.15	0.256	O	|	|	|	|	0.61	263.333	0.00	0.12	0.200	O	|	|	|	|	0.48
258.250	0.00	0.15	0.255	O	|	|	|	|	0.61	263.417	0.00	0.11	0.200	O	|	|	|	|	0.48
258.333	0.00	0.15	0.254	O	|	|	|	|	0.61	263.500	0.00	0.11	0.199	O	|	|	|	|	0.48
258.417	0.00	0.15	0.253	O	|	|	|	|	0.61	263.583	0.00	0.11	0.198	O	|	|	|	|	0.47
258.500	0.00	0.15	0.252	O	|	|	|	|	0.60	263.667	0.00	0.11	0.197	O	|	|	|	|	0.47
258.583	0.00	0.14	0.251	O	|	|	|	|	0.60	263.750	0.00	0.11	0.196	O	|	|	|	|	0.47
258.667	0.00	0.14	0.250	O	|	|	|	|	0.60	263.833	0.00	0.11	0.196	O	|	|	|	|	0.47
258.750	0.00	0.14	0.249	O	|	|	|	|	0.60	263.917	0.00	0.11	0.195	O	|	|	|	|	0.47

264.000	0.00	0.11	0.194	O	|	|	|	|	0.47	269.167	0.00	0.09	0.152	O	|	|	|	|	0.36
264.083	0.00	0.11	0.193	O	|	|	|	|	0.46	269.250	0.00	0.09	0.151	O	|	|	|	|	0.36
264.167	0.00	0.11	0.193	O	|	|	|	|	0.46	269.333	0.00	0.09	0.151	O	|	|	|	|	0.36
264.250	0.00	0.11	0.192	O	|	|	|	|	0.46	269.417	0.00	0.09	0.150	O	|	|	|	|	0.36
264.333	0.00	0.11	0.191	O	|	|	|	|	0.46	269.500	0.00	0.09	0.149	O	|	|	|	|	0.36
264.417	0.00	0.11	0.190	O	|	|	|	|	0.46	269.583	0.00	0.09	0.149	O	|	|	|	|	0.36
264.500	0.00	0.11	0.189	O	|	|	|	|	0.45	269.667	0.00	0.09	0.148	O	|	|	|	|	0.36
264.583	0.00	0.11	0.189	O	|	|	|	|	0.45	269.750	0.00	0.08	0.148	O	|	|	|	|	0.35
264.667	0.00	0.11	0.188	O	|	|	|	|	0.45	269.833	0.00	0.08	0.147	O	|	|	|	|	0.35
264.750	0.00	0.11	0.187	O	|	|	|	|	0.45	269.917	0.00	0.08	0.146	O	|	|	|	|	0.35
264.833	0.00	0.11	0.187	O	|	|	|	|	0.45	270.000	0.00	0.08	0.146	O	|	|	|	|	0.35
264.917	0.00	0.11	0.186	O	|	|	|	|	0.45	270.083	0.00	0.08	0.145	O	|	|	|	|	0.35
265.000	0.00	0.11	0.185	O	|	|	|	|	0.44	270.167	0.00	0.08	0.145	O	|	|	|	|	0.35
265.083	0.00	0.11	0.184	O	|	|	|	|	0.44	270.250	0.00	0.08	0.144	O	|	|	|	|	0.35
265.167	0.00	0.11	0.184	O	|	|	|	|	0.44	270.333	0.00	0.08	0.144	O	|	|	|	|	0.34
265.250	0.00	0.11	0.183	O	|	|	|	|	0.44	270.417	0.00	0.08	0.143	O	|	|	|	|	0.34
265.333	0.00	0.10	0.182	O	|	|	|	|	0.44	270.500	0.00	0.08	0.142	O	|	|	|	|	0.34
265.417	0.00	0.10	0.181	O	|	|	|	|	0.44	270.583	0.00	0.08	0.142	O	|	|	|	|	0.34
265.500	0.00	0.10	0.181	O	|	|	|	|	0.43	270.667	0.00	0.08	0.141	O	|	|	|	|	0.34
265.583	0.00	0.10	0.180	O	|	|	|	|	0.43	270.750	0.00	0.08	0.141	O	|	|	|	|	0.34
265.667	0.00	0.10	0.179	O	|	|	|	|	0.43	270.833	0.00	0.08	0.140	O	|	|	|	|	0.34
265.750	0.00	0.10	0.179	O	|	|	|	|	0.43	270.917	0.00	0.08	0.140	O	|	|	|	|	0.33
265.833	0.00	0.10	0.178	O	|	|	|	|	0.43	271.000	0.00	0.08	0.139	O	|	|	|	|	0.33
265.917	0.00	0.10	0.177	O	|	|	|	|	0.42	271.083	0.00	0.08	0.139	O	|	|	|	|	0.33
266.000	0.00	0.10	0.176	O	|	|	|	|	0.42	271.167	0.00	0.08	0.138	O	|	|	|	|	0.33
266.083	0.00	0.10	0.176	O	|	|	|	|	0.42	271.250	0.00	0.08	0.137	O	|	|	|	|	0.33
266.167	0.00	0.10	0.175	O	|	|	|	|	0.42	271.333	0.00	0.08	0.137	O	|	|	|	|	0.33
266.250	0.00	0.10	0.174	O	|	|	|	|	0.42	271.417	0.00	0.08	0.136	O	|	|	|	|	0.33
266.333	0.00	0.10	0.174	O	|	|	|	|	0.42	271.500	0.00	0.08	0.136	O	|	|	|	|	0.33
266.417	0.00	0.10	0.173	O	|	|	|	|	0.41	271.583	0.00	0.08	0.135	O	|	|	|	|	0.32
266.500	0.00	0.10	0.172	O	|	|	|	|	0.41	271.667	0.00	0.08	0.135	O	|	|	|	|	0.32
266.583	0.00	0.10	0.172	O	|	|	|	|	0.41	271.750	0.00	0.08	0.134	O	|	|	|	|	0.32
266.667	0.00	0.10	0.171	O	|	|	|	|	0.41	271.833	0.00	0.08	0.134	O	|	|	|	|	0.32
266.750	0.00	0.10	0.170	O	|	|	|	|	0.41	271.917	0.00	0.08	0.133	O	|	|	|	|	0.32
266.833	0.00	0.10	0.170	O	|	|	|	|	0.41	272.000	0.00	0.08	0.133	O	|	|	|	|	0.32
266.917	0.00	0.10	0.169	O	|	|	|	|	0.41	272.083	0.00	0.08	0.132	O	|	|	|	|	0.32
267.000	0.00	0.10	0.168	O	|	|	|	|	0.40	272.167	0.00	0.08	0.132	O	|	|	|	|	0.32
267.083	0.00	0.10	0.168	O	|	|	|	|	0.40	272.250	0.00	0.08	0.131	O	|	|	|	|	0.31
267.167	0.00	0.10	0.167	O	|	|	|	|	0.40	272.333	0.00	0.08	0.131	O	|	|	|	|	0.31
267.250	0.00	0.10	0.166	O	|	|	|	|	0.40	272.417	0.00	0.07	0.130	O	|	|	|	|	0.31
267.333	0.00	0.10	0.166	O	|	|	|	|	0.40	272.500	0.00	0.07	0.130	O	|	|	|	|	0.31
267.417	0.00	0.09	0.165	O	|	|	|	|	0.40	272.583	0.00	0.07	0.129	O	|	|	|	|	0.31
267.500	0.00	0.09	0.164	O	|	|	|	|	0.39	272.667	0.00	0.07	0.128	O	|	|	|	|	0.31
267.583	0.00	0.09	0.164	O	|	|	|	|	0.39	272.750	0.00	0.07	0.128	O	|	|	|	|	0.31
267.667	0.00	0.09	0.163	O	|	|	|	|	0.39	272.833	0.00	0.07	0.127	O	|	|	|	|	0.31
267.750	0.00	0.09	0.162	O	|	|	|	|	0.39	272.917	0.00	0.07	0.127	O	|	|	|	|	0.30
267.833	0.00	0.09	0.162	O	|	|	|	|	0.39	273.000	0.00	0.07	0.126	O	|	|	|	|	0.30
267.917	0.00	0.09	0.161	O	|	|	|	|	0.39	273.083	0.00	0.07	0.126	O	|	|	|	|	0.30
268.000	0.00	0.09	0.160	O	|	|	|	|	0.38	273.167	0.00	0.07	0.125	O	|	|	|	|	0.30
268.083	0.00	0.09	0.160	O	|	|	|	|	0.38	273.250	0.00	0.07	0.125	O	|	|	|	|	0.30
268.167	0.00	0.09	0.159	O	|	|	|	|	0.38	273.333	0.00	0.07	0.124	O	|	|	|	|	0.30
268.250	0.00	0.09	0.159	O	|	|	|	|	0.38	273.417	0.00	0.07	0.124	O	|	|	|	|	0.30
268.333	0.00	0.09	0.158	O	|	|	|	|	0.38	273.500	0.00	0.07	0.123	O	|	|	|	|	0.30
268.417	0.00	0.09	0.157	O	|	|	|	|	0.38	273.583	0.00	0.07	0.123	O	|	|	|	|	0.29
268.500	0.00	0.09	0.157	O	|	|	|	|	0.38	273.667	0.00	0.07	0.123	O	|	|	|	|	0.29
268.583	0.00	0.09	0.156	O	|	|	|	|	0.37	273.750	0.00	0.07	0.122	O	|	|	|	|	0.29
268.667	0.00	0.09	0.155	O	|	|	|	|	0.37	273.833	0.00	0.07	0.122	O	|	|	|	|	0.29
268.750	0.00	0.09	0.155	O	|	|	|	|	0.37	273.917	0.00	0.07	0.121	O	|	|	|	|	0.29
268.833	0.00	0.09	0.154	O	|	|	|	|	0.37	274.000	0.00	0.07	0.121	O	|	|	|	|	0.29
268.917	0.00	0.09	0.154	O	|	|	|	|	0.37	274.083	0.00	0.07	0.120	O	|	|	|	|	0.29
269.000	0.00	0.09	0.153	O	|	|	|	|	0.37	274.167	0.00	0.07	0.120	O	|	|	|	|	0.29
269.083	0.00	0.09	0.152	O	|	|	|	|	0.37	274.250	0.00	0.07	0.119	O	|	|	|	|	0.29

274.333	0.00	0.07	0.119	O	|	|	|	|	0.28	279.500	0.00	0.05	0.093	O	|	|	|	|	0.22
274.417	0.00	0.07	0.118	O	|	|	|	|	0.28	279.583	0.00	0.05	0.092	O	|	|	|	|	0.22
274.500	0.00	0.07	0.118	O	|	|	|	|	0.28	279.667	0.00	0.05	0.092	O	|	|	|	|	0.22
274.583	0.00	0.07	0.117	O	|	|	|	|	0.28	279.750	0.00	0.05	0.092	O	|	|	|	|	0.22
274.667	0.00	0.07	0.117	O	|	|	|	|	0.28	279.833	0.00	0.05	0.091	O	|	|	|	|	0.22
274.750	0.00	0.07	0.116	O	|	|	|	|	0.28	279.917	0.00	0.05	0.091	O	|	|	|	|	0.22
274.833	0.00	0.07	0.116	O	|	|	|	|	0.28	280.000	0.00	0.05	0.091	O	|	|	|	|	0.22
274.917	0.00	0.07	0.115	O	|	|	|	|	0.28	280.083	0.00	0.05	0.090	O	|	|	|	|	0.22
275.000	0.00	0.07	0.115	O	|	|	|	|	0.28	280.167	0.00	0.05	0.090	O	|	|	|	|	0.22
275.083	0.00	0.07	0.115	O	|	|	|	|	0.27	280.250	0.00	0.05	0.090	O	|	|	|	|	0.21
275.167	0.00	0.07	0.114	O	|	|	|	|	0.27	280.333	0.00	0.05	0.089	O	|	|	|	|	0.21
275.250	0.00	0.07	0.114	O	|	|	|	|	0.27	280.417	0.00	0.05	0.089	O	|	|	|	|	0.21
275.333	0.00	0.07	0.113	O	|	|	|	|	0.27	280.500	0.00	0.05	0.089	O	|	|	|	|	0.21
275.417	0.00	0.06	0.113	O	|	|	|	|	0.27	280.583	0.00	0.05	0.088	O	|	|	|	|	0.21
275.500	0.00	0.06	0.112	O	|	|	|	|	0.27	280.667	0.00	0.05	0.088	O	|	|	|	|	0.21
275.583	0.00	0.06	0.112	O	|	|	|	|	0.27	280.750	0.00	0.05	0.087	O	|	|	|	|	0.21
275.667	0.00	0.06	0.111	O	|	|	|	|	0.27	280.833	0.00	0.05	0.087	O	|	|	|	|	0.21
275.750	0.00	0.06	0.111	O	|	|	|	|	0.27	280.917	0.00	0.05	0.087	O	|	|	|	|	0.21
275.833	0.00	0.06	0.111	O	|	|	|	|	0.27	281.000	0.00	0.05	0.086	O	|	|	|	|	0.21
275.917	0.00	0.06	0.110	O	|	|	|	|	0.26	281.083	0.00	0.05	0.086	O	|	|	|	|	0.21
276.000	0.00	0.06	0.110	O	|	|	|	|	0.26	281.167	0.00	0.05	0.086	O	|	|	|	|	0.21
276.083	0.00	0.06	0.109	O	|	|	|	|	0.26	281.250	0.00	0.05	0.085	O	|	|	|	|	0.20
276.167	0.00	0.06	0.109	O	|	|	|	|	0.26	281.333	0.00	0.05	0.085	O	|	|	|	|	0.20
276.250	0.00	0.06	0.108	O	|	|	|	|	0.26	281.417	0.00	0.05	0.085	O	|	|	|	|	0.20
276.333	0.00	0.06	0.108	O	|	|	|	|	0.26	281.500	0.00	0.05	0.084	O	|	|	|	|	0.20
276.417	0.00	0.06	0.108	O	|	|	|	|	0.26	281.583	0.00	0.05	0.084	O	|	|	|	|	0.20
276.500	0.00	0.06	0.107	O	|	|	|	|	0.26	281.667	0.00	0.05	0.084	O	|	|	|	|	0.20
276.583	0.00	0.06	0.107	O	|	|	|	|	0.26	281.750	0.00	0.05	0.083	O	|	|	|	|	0.20
276.667	0.00	0.06	0.106	O	|	|	|	|	0.25	281.833	0.00	0.05	0.083	O	|	|	|	|	0.20
276.750	0.00	0.06	0.106	O	|	|	|	|	0.25	281.917	0.00	0.05	0.083	O	|	|	|	|	0.20
276.833	0.00	0.06	0.105	O	|	|	|	|	0.25	282.000	0.00	0.05	0.082	O	|	|	|	|	0.20
276.917	0.00	0.06	0.105	O	|	|	|	|	0.25	282.083	0.00	0.05	0.082	O	|	|	|	|	0.20
277.000	0.00	0.06	0.105	O	|	|	|	|	0.25	282.167	0.00	0.05	0.082	O	|	|	|	|	0.20
277.083	0.00	0.06	0.104	O	|	|	|	|	0.25	282.250	0.00	0.05	0.081	O	|	|	|	|	0.20
277.167	0.00	0.06	0.104	O	|	|	|	|	0.25	282.333	0.00	0.05	0.081	O	|	|	|	|	0.19
277.250	0.00	0.06	0.103	O	|	|	|	|	0.25	282.417	0.00	0.05	0.081	O	|	|	|	|	0.19
277.333	0.00	0.06	0.103	O	|	|	|	|	0.25	282.500	0.00	0.05	0.080	O	|	|	|	|	0.19
277.417	0.00	0.06	0.103	O	|	|	|	|	0.25	282.583	0.00	0.05	0.080	O	|	|	|	|	0.19
277.500	0.00	0.06	0.102	O	|	|	|	|	0.24	282.667	0.00	0.05	0.080	O	|	|	|	|	0.19
277.583	0.00	0.06	0.102	O	|	|	|	|	0.24	282.750	0.00	0.05	0.080	O	|	|	|	|	0.19
277.667	0.00	0.06	0.101	O	|	|	|	|	0.24	282.833	0.00	0.05	0.079	O	|	|	|	|	0.19
277.750	0.00	0.06	0.101	O	|	|	|	|	0.24	282.917	0.00	0.05	0.079	O	|	|	|	|	0.19
277.833	0.00	0.06	0.100	O	|	|	|	|	0.24	283.000	0.00	0.05	0.079	O	|	|	|	|	0.19
277.917	0.00	0.06	0.100	O	|	|	|	|	0.24	283.083	0.00	0.05	0.078	O	|	|	|	|	0.19
278.000	0.00	0.06	0.100	O	|	|	|	|	0.24	283.167	0.00	0.04	0.078	O	|	|	|	|	0.19
278.083	0.00	0.06	0.099	O	|	|	|	|	0.24	283.250	0.00	0.04	0.078	O	|	|	|	|	0.19
278.167	0.00	0.06	0.099	O	|	|	|	|	0.24	283.333	0.00	0.04	0.077	O	|	|	|	|	0.19
278.250	0.00	0.06	0.099	O	|	|	|	|	0.24	283.417	0.00	0.04	0.077	O	|	|	|	|	0.18
278.333	0.00	0.06	0.098	O	|	|	|	|	0.24	283.500	0.00	0.04	0.077	O	|	|	|	|	0.18
278.417	0.00	0.06	0.098	O	|	|	|	|	0.23	283.583	0.00	0.04	0.076	O	|	|	|	|	0.18
278.500	0.00	0.06	0.097	O	|	|	|	|	0.23	283.667	0.00	0.04	0.076	O	|	|	|	|	0.18
278.583	0.00	0.06	0.097	O	|	|	|	|	0.23	283.750	0.00	0.04	0.076	O	|	|	|	|	0.18
278.667	0.00	0.06	0.097	O	|	|	|	|	0.23	283.833	0.00	0.04	0.076	O	|	|	|	|	0.18
278.750	0.00	0.06	0.096	O	|	|	|	|	0.23	283.917	0.00	0.04	0.075	O	|	|	|	|	0.18
278.833	0.00	0.06	0.096	O	|	|	|	|	0.23	284.000	0.00	0.04	0.075	O	|	|	|	|	0.18
278.917	0.00	0.05	0.095	O	|	|	|	|	0.23	284.083	0.00	0.04	0.075	O	|	|	|	|	0.18
279.000	0.00	0.05	0.095	O	|	|	|	|	0.23	284.167	0.00	0.04	0.074	O	|	|	|	|	0.18
279.083	0.00	0.05	0.095	O	|	|	|	|	0.23	284.250	0.00	0.04	0.074	O	|	|	|	|	0.18
279.167	0.00	0.05	0.094	O	|	|	|	|	0.23	284.333	0.00	0.04	0.074	O	|	|	|	|	0.18
279.250	0.00	0.05	0.094	O	|	|	|	|	0.23	284.417	0.00	0.04	0.073	O	|	|	|	|	0.18
279.333	0.00	0.05	0.094	O	|	|	|	|	0.22	284.500	0.00	0.04	0.073	O	|	|	|	|	0.18
279.417	0.00	0.05	0.093	O	|	|	|	|	0.22	284.583	0.00	0.04	0.073	O	|	|	|	|	0.17

284.667	0.00	0.04	0.073	O	|	|	|	|	0.17	289.833	0.00	0.03	0.057	O	|	|	|	|	0.14
284.750	0.00	0.04	0.072	O	|	|	|	|	0.17	289.917	0.00	0.03	0.057	O	|	|	|	|	0.14
284.833	0.00	0.04	0.072	O	|	|	|	|	0.17	290.000	0.00	0.03	0.056	O	|	|	|	|	0.14
284.917	0.00	0.04	0.072	O	|	|	|	|	0.17	290.083	0.00	0.03	0.056	O	|	|	|	|	0.13
285.000	0.00	0.04	0.071	O	|	|	|	|	0.17	290.167	0.00	0.03	0.056	O	|	|	|	|	0.13
285.083	0.00	0.04	0.071	O	|	|	|	|	0.17	290.250	0.00	0.03	0.056	O	|	|	|	|	0.13
285.167	0.00	0.04	0.071	O	|	|	|	|	0.17	290.333	0.00	0.03	0.055	O	|	|	|	|	0.13
285.250	0.00	0.04	0.071	O	|	|	|	|	0.17	290.417	0.00	0.03	0.055	O	|	|	|	|	0.13
285.333	0.00	0.04	0.070	O	|	|	|	|	0.17	290.500	0.00	0.03	0.055	O	|	|	|	|	0.13
285.417	0.00	0.04	0.070	O	|	|	|	|	0.17	290.583	0.00	0.03	0.055	O	|	|	|	|	0.13
285.500	0.00	0.04	0.070	O	|	|	|	|	0.17	290.667	0.00	0.03	0.055	O	|	|	|	|	0.13
285.583	0.00	0.04	0.070	O	|	|	|	|	0.17	290.750	0.00	0.03	0.054	O	|	|	|	|	0.13
285.667	0.00	0.04	0.069	O	|	|	|	|	0.17	290.833	0.00	0.03	0.054	O	|	|	|	|	0.13
285.750	0.00	0.04	0.069	O	|	|	|	|	0.17	290.917	0.00	0.03	0.054	O	|	|	|	|	0.13
285.833	0.00	0.04	0.069	O	|	|	|	|	0.16	291.000	0.00	0.03	0.054	O	|	|	|	|	0.13
285.917	0.00	0.04	0.068	O	|	|	|	|	0.16	291.083	0.00	0.03	0.054	O	|	|	|	|	0.13
286.000	0.00	0.04	0.068	O	|	|	|	|	0.16	291.167	0.00	0.03	0.053	O	|	|	|	|	0.13
286.083	0.00	0.04	0.068	O	|	|	|	|	0.16	291.250	0.00	0.03	0.053	O	|	|	|	|	0.13
286.167	0.00	0.04	0.068	O	|	|	|	|	0.16	291.333	0.00	0.03	0.053	O	|	|	|	|	0.13
286.250	0.00	0.04	0.067	O	|	|	|	|	0.16	291.417	0.00	0.03	0.053	O	|	|	|	|	0.13
286.333	0.00	0.04	0.067	O	|	|	|	|	0.16	291.500	0.00	0.03	0.052	O	|	|	|	|	0.13
286.417	0.00	0.04	0.067	O	|	|	|	|	0.16	291.583	0.00	0.03	0.052	O	|	|	|	|	0.13
286.500	0.00	0.04	0.067	O	|	|	|	|	0.16	291.667	0.00	0.03	0.052	O	|	|	|	|	0.12
286.583	0.00	0.04	0.066	O	|	|	|	|	0.16	291.750	0.00	0.03	0.052	O	|	|	|	|	0.12
286.667	0.00	0.04	0.066	O	|	|	|	|	0.16	291.833	0.00	0.03	0.052	O	|	|	|	|	0.12
286.750	0.00	0.04	0.066	O	|	|	|	|	0.16	291.917	0.00	0.03	0.051	O	|	|	|	|	0.12
286.833	0.00	0.04	0.065	O	|	|	|	|	0.16	292.000	0.00	0.03	0.051	O	|	|	|	|	0.12
286.917	0.00	0.04	0.065	O	|	|	|	|	0.16	292.083	0.00	0.03	0.051	O	|	|	|	|	0.12
287.000	0.00	0.04	0.065	O	|	|	|	|	0.16	292.167	0.00	0.03	0.051	O	|	|	|	|	0.12
287.083	0.00	0.04	0.065	O	|	|	|	|	0.16	292.250	0.00	0.03	0.051	O	|	|	|	|	0.12
287.167	0.00	0.04	0.064	O	|	|	|	|	0.15	292.333	0.00	0.03	0.050	O	|	|	|	|	0.12
287.250	0.00	0.04	0.064	O	|	|	|	|	0.15	292.417	0.00	0.03	0.050	O	|	|	|	|	0.12
287.333	0.00	0.04	0.064	O	|	|	|	|	0.15	292.500	0.00	0.03	0.050	O	|	|	|	|	0.12
287.417	0.00	0.04	0.064	O	|	|	|	|	0.15	292.583	0.00	0.03	0.050	O	|	|	|	|	0.12
287.500	0.00	0.04	0.063	O	|	|	|	|	0.15	292.667	0.00	0.03	0.050	O	|	|	|	|	0.12
287.583	0.00	0.04	0.063	O	|	|	|	|	0.15	292.750	0.00	0.03	0.049	O	|	|	|	|	0.12
287.667	0.00	0.04	0.063	O	|	|	|	|	0.15	292.833	0.00	0.03	0.049	O	|	|	|	|	0.12
287.750	0.00	0.04	0.063	O	|	|	|	|	0.15	292.917	0.00	0.03	0.049	O	|	|	|	|	0.12
287.833	0.00	0.04	0.062	O	|	|	|	|	0.15	293.000	0.00	0.03	0.049	O	|	|	|	|	0.12
287.917	0.00	0.04	0.062	O	|	|	|	|	0.15	293.083	0.00	0.03	0.049	O	|	|	|	|	0.12
288.000	0.00	0.04	0.062	O	|	|	|	|	0.15	293.167	0.00	0.03	0.048	O	|	|	|	|	0.12
288.083	0.00	0.04	0.062	O	|	|	|	|	0.15	293.250	0.00	0.03	0.048	O	|	|	|	|	0.12
288.167	0.00	0.04	0.061	O	|	|	|	|	0.15	293.333	0.00	0.03	0.048	O	|	|	|	|	0.12
288.250	0.00	0.04	0.061	O	|	|	|	|	0.15	293.417	0.00	0.03	0.048	O	|	|	|	|	0.11
288.333	0.00	0.04	0.061	O	|	|	|	|	0.15	293.500	0.00	0.03	0.048	O	|	|	|	|	0.11
288.417	0.00	0.03	0.061	O	|	|	|	|	0.15	293.583	0.00	0.03	0.048	O	|	|	|	|	0.11
288.500	0.00	0.03	0.061	O	|	|	|	|	0.15	293.667	0.00	0.03	0.047	O	|	|	|	|	0.11
288.583	0.00	0.03	0.060	O	|	|	|	|	0.14	293.750	0.00	0.03	0.047	O	|	|	|	|	0.11
288.667	0.00	0.03	0.060	O	|	|	|	|	0.14	293.833	0.00	0.03	0.047	O	|	|	|	|	0.11
288.750	0.00	0.03	0.060	O	|	|	|	|	0.14	293.917	0.00	0.03	0.047	O	|	|	|	|	0.11
288.833	0.00	0.03	0.060	O	|	|	|	|	0.14	294.000	0.00	0.03	0.047	O	|	|	|	|	0.11
288.917	0.00	0.03	0.059	O	|	|	|	|	0.14	294.083	0.00	0.03	0.046	O	|	|	|	|	0.11
289.000	0.00	0.03	0.059	O	|	|	|	|	0.14	294.167	0.00	0.03	0.046	O	|	|	|	|	0.11
289.083	0.00	0.03	0.059	O	|	|	|	|	0.14	294.250	0.00	0.03	0.046	O	|	|	|	|	0.11
289.167	0.00	0.03	0.059	O	|	|	|	|	0.14	294.333	0.00	0.03	0.046	O	|	|	|	|	0.11
289.250	0.00	0.03	0.058	O	|	|	|	|	0.14	294.417	0.00	0.03	0.046	O	|	|	|	|	0.11
289.333	0.00	0.03	0.058	O	|	|	|	|	0.14	294.500	0.00	0.03	0.045	O	|	|	|	|	0.11
289.417	0.00	0.03	0.058	O	|	|	|	|	0.14	294.583	0.00	0.03	0.045	O	|	|	|	|	0.11
289.500	0.00	0.03	0.058	O	|	|	|	|	0.14	294.667	0.00	0.03	0.045	O	|	|	|	|	0.11
289.583	0.00	0.03	0.057	O	|	|	|	|	0.14	294.750	0.00	0.03	0.045	O	|	|	|	|	0.11
289.667	0.00	0.03	0.057	O	|	|	|	|	0.14	294.833	0.00	0.03	0.045	O	|	|	|	|	0.11
289.750	0.00	0.03	0.057	O	|	|	|	|	0.14	294.917	0.00	0.03	0.045	O	|	|	|	|	0.11

295.000	0.00	0.03	0.044	O	|	|	|	|	0.11	300.167	0.00	0.02	0.035	O	|	|	|	|	0.08
295.083	0.00	0.03	0.044	O	|	|	|	|	0.11	300.250	0.00	0.02	0.035	O	|	|	|	|	0.08
295.167	0.00	0.03	0.044	O	|	|	|	|	0.11	300.333	0.00	0.02	0.034	O	|	|	|	|	0.08
295.250	0.00	0.03	0.044	O	|	|	|	|	0.11	300.417	0.00	0.02	0.034	O	|	|	|	|	0.08
295.333	0.00	0.03	0.044	O	|	|	|	|	0.10	300.500	0.00	0.02	0.034	O	|	|	|	|	0.08
295.417	0.00	0.03	0.044	O	|	|	|	|	0.10	300.583	0.00	0.02	0.034	O	|	|	|	|	0.08
295.500	0.00	0.02	0.043	O	|	|	|	|	0.10	300.667	0.00	0.02	0.034	O	|	|	|	|	0.08
295.583	0.00	0.02	0.043	O	|	|	|	|	0.10	300.750	0.00	0.02	0.034	O	|	|	|	|	0.08
295.667	0.00	0.02	0.043	O	|	|	|	|	0.10	300.833	0.00	0.02	0.034	O	|	|	|	|	0.08
295.750	0.00	0.02	0.043	O	|	|	|	|	0.10	300.917	0.00	0.02	0.034	O	|	|	|	|	0.08
295.833	0.00	0.02	0.043	O	|	|	|	|	0.10	301.000	0.00	0.02	0.033	O	|	|	|	|	0.08
295.917	0.00	0.02	0.043	O	|	|	|	|	0.10	301.083	0.00	0.02	0.033	O	|	|	|	|	0.08
296.000	0.00	0.02	0.042	O	|	|	|	|	0.10	301.167	0.00	0.02	0.033	O	|	|	|	|	0.08
296.083	0.00	0.02	0.042	O	|	|	|	|	0.10	301.250	0.00	0.02	0.033	O	|	|	|	|	0.08
296.167	0.00	0.02	0.042	O	|	|	|	|	0.10	301.333	0.00	0.02	0.033	O	|	|	|	|	0.08
296.250	0.00	0.02	0.042	O	|	|	|	|	0.10	301.417	0.00	0.02	0.033	O	|	|	|	|	0.08
296.333	0.00	0.02	0.042	O	|	|	|	|	0.10	301.500	0.00	0.02	0.033	O	|	|	|	|	0.08
296.417	0.00	0.02	0.042	O	|	|	|	|	0.10	301.583	0.00	0.02	0.032	O	|	|	|	|	0.08
296.500	0.00	0.02	0.041	O	|	|	|	|	0.10	301.667	0.00	0.02	0.032	O	|	|	|	|	0.08
296.583	0.00	0.02	0.041	O	|	|	|	|	0.10	301.750	0.00	0.02	0.032	O	|	|	|	|	0.08
296.667	0.00	0.02	0.041	O	|	|	|	|	0.10	301.833	0.00	0.02	0.032	O	|	|	|	|	0.08
296.750	0.00	0.02	0.041	O	|	|	|	|	0.10	301.917	0.00	0.02	0.032	O	|	|	|	|	0.08
296.833	0.00	0.02	0.041	O	|	|	|	|	0.10	302.000	0.00	0.02	0.032	O	|	|	|	|	0.08
296.917	0.00	0.02	0.041	O	|	|	|	|	0.10	302.083	0.00	0.02	0.032	O	|	|	|	|	0.08
297.000	0.00	0.02	0.040	O	|	|	|	|	0.10	302.167	0.00	0.02	0.032	O	|	|	|	|	0.08
297.083	0.00	0.02	0.040	O	|	|	|	|	0.10	302.250	0.00	0.02	0.031	O	|	|	|	|	0.08
297.167	0.00	0.02	0.040	O	|	|	|	|	0.10	302.333	0.00	0.02	0.031	O	|	|	|	|	0.08
297.250	0.00	0.02	0.040	O	|	|	|	|	0.10	302.417	0.00	0.02	0.031	O	|	|	|	|	0.07
297.333	0.00	0.02	0.040	O	|	|	|	|	0.10	302.500	0.00	0.02	0.031	O	|	|	|	|	0.07
297.417	0.00	0.02	0.040	O	|	|	|	|	0.09	302.583	0.00	0.02	0.031	O	|	|	|	|	0.07
297.500	0.00	0.02	0.039	O	|	|	|	|	0.09	302.667	0.00	0.02	0.031	O	|	|	|	|	0.07
297.583	0.00	0.02	0.039	O	|	|	|	|	0.09	302.750	0.00	0.02	0.031	O	|	|	|	|	0.07
297.667	0.00	0.02	0.039	O	|	|	|	|	0.09	302.833	0.00	0.02	0.031	O	|	|	|	|	0.07
297.750	0.00	0.02	0.039	O	|	|	|	|	0.09	302.917	0.00	0.02	0.030	O	|	|	|	|	0.07
297.833	0.00	0.02	0.039	O	|	|	|	|	0.09	303.000	0.00	0.02	0.030	O	|	|	|	|	0.07
297.917	0.00	0.02	0.039	O	|	|	|	|	0.09	303.083	0.00	0.02	0.030	O	|	|	|	|	0.07
298.000	0.00	0.02	0.039	O	|	|	|	|	0.09	303.167	0.00	0.02	0.030	O	|	|	|	|	0.07
298.083	0.00	0.02	0.038	O	|	|	|	|	0.09	303.250	0.00	0.02	0.030	O	|	|	|	|	0.07
298.167	0.00	0.02	0.038	O	|	|	|	|	0.09	303.333	0.00	0.02	0.030	O	|	|	|	|	0.07
298.250	0.00	0.02	0.038	O	|	|	|	|	0.09	303.417	0.00	0.02	0.030	O	|	|	|	|	0.07
298.333	0.00	0.02	0.038	O	|	|	|	|	0.09	303.500	0.00	0.02	0.030	O	|	|	|	|	0.07
298.417	0.00	0.02	0.038	O	|	|	|	|	0.09	303.583	0.00	0.02	0.030	O	|	|	|	|	0.07
298.500	0.00	0.02	0.038	O	|	|	|	|	0.09	303.667	0.00	0.02	0.029	O	|	|	|	|	0.07
298.583	0.00	0.02	0.037	O	|	|	|	|	0.09	303.750	0.00	0.02	0.029	O	|	|	|	|	0.07
298.667	0.00	0.02	0.037	O	|	|	|	|	0.09	303.833	0.00	0.02	0.029	O	|	|	|	|	0.07
298.750	0.00	0.02	0.037	O	|	|	|	|	0.09	303.917	0.00	0.02	0.029	O	|	|	|	|	0.07
298.833	0.00	0.02	0.037	O	|	|	|	|	0.09	304.000	0.00	0.02	0.029	O	|	|	|	|	0.07
298.917	0.00	0.02	0.037	O	|	|	|	|	0.09	304.083	0.00	0.02	0.029	O	|	|	|	|	0.07
299.000	0.00	0.02	0.037	O	|	|	|	|	0.09	304.167	0.00	0.02	0.029	O	|	|	|	|	0.07
299.083	0.00	0.02	0.037	O	|	|	|	|	0.09	304.250	0.00	0.02	0.029	O	|	|	|	|	0.07
299.167	0.00	0.02	0.036	O	|	|	|	|	0.09	304.333	0.00	0.02	0.028	O	|	|	|	|	0.07
299.250	0.00	0.02	0.036	O	|	|	|	|	0.09	304.417	0.00	0.02	0.028	O	|	|	|	|	0.07
299.333	0.00	0.02	0.036	O	|	|	|	|	0.09	304.500	0.00	0.02	0.028	O	|	|	|	|	0.07
299.417	0.00	0.02	0.036	O	|	|	|	|	0.09	304.583	0.00	0.02	0.028	O	|	|	|	|	0.07
299.500	0.00	0.02	0.036	O	|	|	|	|	0.09	304.667	0.00	0.02	0.028	O	|	|	|	|	0.07
299.583	0.00	0.02	0.036	O	|	|	|	|	0.09	304.750	0.00	0.02	0.028	O	|	|	|	|	0.07
299.667	0.00	0.02	0.036	O	|	|	|	|	0.09	304.833	0.00	0.02	0.028	O	|	|	|	|	0.07
299.750	0.00	0.02	0.035	O	|	|	|	|	0.08	304.917	0.00	0.02	0.028	O	|	|	|	|	0.07
299.833	0.00	0.02	0.035	O	|	|	|	|	0.08	305.000	0.00	0.02	0.028	O	|	|	|	|	0.07
299.917	0.00	0.02	0.035	O	|	|	|	|	0.08	305.083	0.00	0.02	0.027	O	|	|	|	|	0.07
300.000	0.00	0.02	0.035	O	|	|	|	|	0.08	305.167	0.00	0.02	0.027	O	|	|	|	|	0.07
300.083	0.00	0.02	0.035	O	|	|	|	|	0.08	305.250	0.00	0.02	0.027	O	|	|	|	|	0.07

305.333	0.00	0.02	0.027	O	|	|	|	|	0.07	310.500	0.00	0.01	0.021	O	|	|	|	|	0.05
305.417	0.00	0.02	0.027	O	|	|	|	|	0.06	310.583	0.00	0.01	0.021	O	|	|	|	|	0.05
305.500	0.00	0.02	0.027	O	|	|	|	|	0.06	310.667	0.00	0.01	0.021	O	|	|	|	|	0.05
305.583	0.00	0.02	0.027	O	|	|	|	|	0.06	310.750	0.00	0.01	0.021	O	|	|	|	|	0.05
305.667	0.00	0.02	0.027	O	|	|	|	|	0.06	310.833	0.00	0.01	0.021	O	|	|	|	|	0.05
305.750	0.00	0.02	0.027	O	|	|	|	|	0.06	310.917	0.00	0.01	0.021	O	|	|	|	|	0.05
305.833	0.00	0.02	0.027	O	|	|	|	|	0.06	311.000	0.00	0.01	0.021	O	|	|	|	|	0.05
305.917	0.00	0.02	0.026	O	|	|	|	|	0.06	311.083	0.00	0.01	0.021	O	|	|	|	|	0.05
306.000	0.00	0.02	0.026	O	|	|	|	|	0.06	311.167	0.00	0.01	0.021	O	|	|	|	|	0.05
306.083	0.00	0.02	0.026	O	|	|	|	|	0.06	311.250	0.00	0.01	0.021	O	|	|	|	|	0.05
306.167	0.00	0.02	0.026	O	|	|	|	|	0.06	311.333	0.00	0.01	0.020	O	|	|	|	|	0.05
306.250	0.00	0.01	0.026	O	|	|	|	|	0.06	311.417	0.00	0.01	0.020	O	|	|	|	|	0.05
306.333	0.00	0.01	0.026	O	|	|	|	|	0.06	311.500	0.00	0.01	0.020	O	|	|	|	|	0.05
306.417	0.00	0.01	0.026	O	|	|	|	|	0.06	311.583	0.00	0.01	0.020	O	|	|	|	|	0.05
306.500	0.00	0.01	0.026	O	|	|	|	|	0.06	311.667	0.00	0.01	0.020	O	|	|	|	|	0.05
306.583	0.00	0.01	0.026	O	|	|	|	|	0.06	311.750	0.00	0.01	0.020	O	|	|	|	|	0.05
306.667	0.00	0.01	0.025	O	|	|	|	|	0.06	311.833	0.00	0.01	0.020	O	|	|	|	|	0.05
306.750	0.00	0.01	0.025	O	|	|	|	|	0.06	311.917	0.00	0.01	0.020	O	|	|	|	|	0.05
306.833	0.00	0.01	0.025	O	|	|	|	|	0.06	312.000	0.00	0.01	0.020	O	|	|	|	|	0.05
306.917	0.00	0.01	0.025	O	|	|	|	|	0.06	312.083	0.00	0.01	0.020	O	|	|	|	|	0.05
307.000	0.00	0.01	0.025	O	|	|	|	|	0.06	312.167	0.00	0.01	0.020	O	|	|	|	|	0.05
307.083	0.00	0.01	0.025	O	|	|	|	|	0.06	312.250	0.00	0.01	0.020	O	|	|	|	|	0.05
307.167	0.00	0.01	0.025	O	|	|	|	|	0.06	312.333	0.00	0.01	0.019	O	|	|	|	|	0.05
307.250	0.00	0.01	0.025	O	|	|	|	|	0.06	312.417	0.00	0.01	0.019	O	|	|	|	|	0.05
307.333	0.00	0.01	0.025	O	|	|	|	|	0.06	312.500	0.00	0.01	0.019	O	|	|	|	|	0.05
307.417	0.00	0.01	0.025	O	|	|	|	|	0.06	312.583	0.00	0.01	0.019	O	|	|	|	|	0.05
307.500	0.00	0.01	0.025	O	|	|	|	|	0.06	312.667	0.00	0.01	0.019	O	|	|	|	|	0.05
307.583	0.00	0.01	0.024	O	|	|	|	|	0.06	312.750	0.00	0.01	0.019	O	|	|	|	|	0.05
307.667	0.00	0.01	0.024	O	|	|	|	|	0.06	312.833	0.00	0.01	0.019	O	|	|	|	|	0.05
307.750	0.00	0.01	0.024	O	|	|	|	|	0.06	312.917	0.00	0.01	0.019	O	|	|	|	|	0.05
307.833	0.00	0.01	0.024	O	|	|	|	|	0.06	313.000	0.00	0.01	0.019	O	|	|	|	|	0.05
307.917	0.00	0.01	0.024	O	|	|	|	|	0.06	313.083	0.00	0.01	0.019	O	|	|	|	|	0.05
308.000	0.00	0.01	0.024	O	|	|	|	|	0.06	313.167	0.00	0.01	0.019	O	|	|	|	|	0.04
308.083	0.00	0.01	0.024	O	|	|	|	|	0.06	313.250	0.00	0.01	0.019	O	|	|	|	|	0.04
308.167	0.00	0.01	0.024	O	|	|	|	|	0.06	313.333	0.00	0.01	0.019	O	|	|	|	|	0.04
308.250	0.00	0.01	0.024	O	|	|	|	|	0.06	313.417	0.00	0.01	0.018	O	|	|	|	|	0.04
308.333	0.00	0.01	0.024	O	|	|	|	|	0.06	313.500	0.00	0.01	0.018	O	|	|	|	|	0.04
308.417	0.00	0.01	0.023	O	|	|	|	|	0.06	313.583	0.00	0.01	0.018	O	|	|	|	|	0.04
308.500	0.00	0.01	0.023	O	|	|	|	|	0.06	313.667	0.00	0.01	0.018	O	|	|	|	|	0.04
308.583	0.00	0.01	0.023	O	|	|	|	|	0.06	313.750	0.00	0.01	0.018	O	|	|	|	|	0.04
308.667	0.00	0.01	0.023	O	|	|	|	|	0.06	313.833	0.00	0.01	0.018	O	|	|	|	|	0.04
308.750	0.00	0.01	0.023	O	|	|	|	|	0.06	313.917	0.00	0.01	0.018	O	|	|	|	|	0.04
308.833	0.00	0.01	0.023	O	|	|	|	|	0.06	314.000	0.00	0.01	0.018	O	|	|	|	|	0.04
308.917	0.00	0.01	0.023	O	|	|	|	|	0.05	314.083	0.00	0.01	0.018	O	|	|	|	|	0.04
309.000	0.00	0.01	0.023	O	|	|	|	|	0.05	314.167	0.00	0.01	0.018	O	|	|	|	|	0.04
309.083	0.00	0.01	0.023	O	|	|	|	|	0.05	314.250	0.00	0.01	0.018	O	|	|	|	|	0.04
309.167	0.00	0.01	0.023	O	|	|	|	|	0.05	314.333	0.00	0.01	0.018	O	|	|	|	|	0.04
309.250	0.00	0.01	0.023	O	|	|	|	|	0.05	314.417	0.00	0.01	0.018	O	|	|	|	|	0.04
309.333	0.00	0.01	0.022	O	|	|	|	|	0.05	314.500	0.00	0.01	0.018	O	|	|	|	|	0.04
309.417	0.00	0.01	0.022	O	|	|	|	|	0.05	314.583	0.00	0.01	0.017	O	|	|	|	|	0.04
309.500	0.00	0.01	0.022	O	|	|	|	|	0.05	314.667	0.00	0.01	0.017	O	|	|	|	|	0.04
309.583	0.00	0.01	0.022	O	|	|	|	|	0.05	314.750	0.00	0.01	0.017	O	|	|	|	|	0.04
309.667	0.00	0.01	0.022	O	|	|	|	|	0.05	314.833	0.00	0.01	0.017	O	|	|	|	|	0.04
309.750	0.00	0.01	0.022	O	|	|	|	|	0.05	314.917	0.00	0.01	0.017	O	|	|	|	|	0.04
309.833	0.00	0.01	0.022	O	|	|	|	|	0.05	315.000	0.00	0.01	0.017	O	|	|	|	|	0.04
309.917	0.00	0.01	0.022	O	|	|	|	|	0.05	315.083	0.00	0.01	0.017	O	|	|	|	|	0.04
310.000	0.00	0.01	0.022	O	|	|	|	|	0.05	315.167	0.00	0.01	0.017	O	|	|	|	|	0.04
310.083	0.00	0.01	0.022	O	|	|	|	|	0.05	315.250	0.00	0.01	0.017	O	|	|	|	|	0.04
310.167	0.00	0.01	0.022	O	|	|	|	|	0.05	315.333	0.00	0.01	0.017	O	|	|	|	|	0.04
310.250	0.00	0.01	0.022	O	|	|	|	|	0.05	315.417	0.00	0.01	0.017	O	|	|	|	|	0.04
310.333	0.00	0.01	0.021	O	|	|	|	|	0.05	315.500	0.00	0.01	0.017	O	|	|	|	|	0.04
310.417	0.00	0.01	0.021	O	|	|	|	|	0.05	315.583	0.00	0.01	0.017	O	|	|	|	|	0.04

315.667	0.00	0.01	0.017	O	|	|	|	|	0.04	320.833	0.00	0.01	0.013	O	|	|	|	|	0.03
315.750	0.00	0.01	0.017	O	|	|	|	|	0.04	320.917	0.00	0.01	0.013	O	|	|	|	|	0.03
315.833	0.00	0.01	0.016	O	|	|	|	|	0.04	321.000	0.00	0.01	0.013	O	|	|	|	|	0.03
315.917	0.00	0.01	0.016	O	|	|	|	|	0.04	321.083	0.00	0.01	0.013	O	|	|	|	|	0.03
316.000	0.00	0.01	0.016	O	|	|	|	|	0.04	321.167	0.00	0.01	0.013	O	|	|	|	|	0.03
316.083	0.00	0.01	0.016	O	|	|	|	|	0.04	321.250	0.00	0.01	0.013	O	|	|	|	|	0.03
316.167	0.00	0.01	0.016	O	|	|	|	|	0.04	321.333	0.00	0.01	0.013	O	|	|	|	|	0.03
316.250	0.00	0.01	0.016	O	|	|	|	|	0.04	321.417	0.00	0.01	0.013	O	|	|	|	|	0.03
316.333	0.00	0.01	0.016	O	|	|	|	|	0.04	321.500	0.00	0.01	0.013	O	|	|	|	|	0.03
316.417	0.00	0.01	0.016	O	|	|	|	|	0.04	321.583	0.00	0.01	0.013	O	|	|	|	|	0.03
316.500	0.00	0.01	0.016	O	|	|	|	|	0.04	321.667	0.00	0.01	0.012	O	|	|	|	|	0.03
316.583	0.00	0.01	0.016	O	|	|	|	|	0.04	321.750	0.00	0.01	0.012	O	|	|	|	|	0.03
316.667	0.00	0.01	0.016	O	|	|	|	|	0.04	321.833	0.00	0.01	0.012	O	|	|	|	|	0.03
316.750	0.00	0.01	0.016	O	|	|	|	|	0.04	321.917	0.00	0.01	0.012	O	|	|	|	|	0.03
316.833	0.00	0.01	0.016	O	|	|	|	|	0.04	322.000	0.00	0.01	0.012	O	|	|	|	|	0.03
316.917	0.00	0.01	0.016	O	|	|	|	|	0.04	322.083	0.00	0.01	0.012	O	|	|	|	|	0.03
317.000	0.00	0.01	0.016	O	|	|	|	|	0.04	322.167	0.00	0.01	0.012	O	|	|	|	|	0.03
317.083	0.00	0.01	0.016	O	|	|	|	|	0.04	322.250	0.00	0.01	0.012	O	|	|	|	|	0.03
317.167	0.00	0.01	0.015	O	|	|	|	|	0.04	322.333	0.00	0.01	0.012	O	|	|	|	|	0.03
317.250	0.00	0.01	0.015	O	|	|	|	|	0.04	322.417	0.00	0.01	0.012	O	|	|	|	|	0.03
317.333	0.00	0.01	0.015	O	|	|	|	|	0.04	322.500	0.00	0.01	0.012	O	|	|	|	|	0.03
317.417	0.00	0.01	0.015	O	|	|	|	|	0.04	322.583	0.00	0.01	0.012	O	|	|	|	|	0.03
317.500	0.00	0.01	0.015	O	|	|	|	|	0.04	322.667	0.00	0.01	0.012	O	|	|	|	|	0.03
317.583	0.00	0.01	0.015	O	|	|	|	|	0.04	322.750	0.00	0.01	0.012	O	|	|	|	|	0.03
317.667	0.00	0.01	0.015	O	|	|	|	|	0.04	322.833	0.00	0.01	0.012	O	|	|	|	|	0.03
317.750	0.00	0.01	0.015	O	|	|	|	|	0.04	322.917	0.00	0.01	0.012	O	|	|	|	|	0.03
317.833	0.00	0.01	0.015	O	|	|	|	|	0.04	323.000	0.00	0.01	0.012	O	|	|	|	|	0.03
317.917	0.00	0.01	0.015	O	|	|	|	|	0.04	323.083	0.00	0.01	0.012	O	|	|	|	|	0.03
318.000	0.00	0.01	0.015	O	|	|	|	|	0.04	323.167	0.00	0.01	0.012	O	|	|	|	|	0.03
318.083	0.00	0.01	0.015	O	|	|	|	|	0.04	323.250	0.00	0.01	0.012	O	|	|	|	|	0.03
318.167	0.00	0.01	0.015	O	|	|	|	|	0.04	323.333	0.00	0.01	0.012	O	|	|	|	|	0.03
318.250	0.00	0.01	0.015	O	|	|	|	|	0.04	323.417	0.00	0.01	0.011	O	|	|	|	|	0.03
318.333	0.00	0.01	0.015	O	|	|	|	|	0.04	323.500	0.00	0.01	0.011	O	|	|	|	|	0.03
318.417	0.00	0.01	0.015	O	|	|	|	|	0.03	323.583	0.00	0.01	0.011	O	|	|	|	|	0.03
318.500	0.00	0.01	0.015	O	|	|	|	|	0.03	323.667	0.00	0.01	0.011	O	|	|	|	|	0.03
318.583	0.00	0.01	0.014	O	|	|	|	|	0.03	323.750	0.00	0.01	0.011	O	|	|	|	|	0.03
318.667	0.00	0.01	0.014	O	|	|	|	|	0.03	323.833	0.00	0.01	0.011	O	|	|	|	|	0.03
318.750	0.00	0.01	0.014	O	|	|	|	|	0.03	323.917	0.00	0.01	0.011	O	|	|	|	|	0.03
318.833	0.00	0.01	0.014	O	|	|	|	|	0.03	324.000	0.00	0.01	0.011	O	|	|	|	|	0.03
318.917	0.00	0.01	0.014	O	|	|	|	|	0.03	324.083	0.00	0.01	0.011	O	|	|	|	|	0.03
319.000	0.00	0.01	0.014	O	|	|	|	|	0.03	324.167	0.00	0.01	0.011	O	|	|	|	|	0.03
319.083	0.00	0.01	0.014	O	|	|	|	|	0.03	324.250	0.00	0.01	0.011	O	|	|	|	|	0.03
319.167	0.00	0.01	0.014	O	|	|	|	|	0.03	324.333	0.00	0.01	0.011	O	|	|	|	|	0.03
319.250	0.00	0.01	0.014	O	|	|	|	|	0.03	324.417	0.00	0.01	0.011	O	|	|	|	|	0.03
319.333	0.00	0.01	0.014	O	|	|	|	|	0.03	324.500	0.00	0.01	0.011	O	|	|	|	|	0.03
319.417	0.00	0.01	0.014	O	|	|	|	|	0.03	324.583	0.00	0.01	0.011	O	|	|	|	|	0.03
319.500	0.00	0.01	0.014	O	|	|	|	|	0.03	324.667	0.00	0.01	0.011	O	|	|	|	|	0.03
319.583	0.00	0.01	0.014	O	|	|	|	|	0.03	324.750	0.00	0.01	0.011	O	|	|	|	|	0.03
319.667	0.00	0.01	0.014	O	|	|	|	|	0.03	324.833	0.00	0.01	0.011	O	|	|	|	|	0.03
319.750	0.00	0.01	0.014	O	|	|	|	|	0.03	324.917	0.00	0.01	0.011	O	|	|	|	|	0.03
319.833	0.00	0.01	0.014	O	|	|	|	|	0.03	325.000	0.00	0.01	0.011	O	|	|	|	|	0.03
319.917	0.00	0.01	0.014	O	|	|	|	|	0.03	325.083	0.00	0.01	0.011	O	|	|	|	|	0.03
320.000	0.00	0.01	0.014	O	|	|	|	|	0.03	325.167	0.00	0.01	0.011	O	|	|	|	|	0.03
320.083	0.00	0.01	0.013	O	|	|	|	|	0.03	325.250	0.00	0.01	0.011	O	|	|	|	|	0.03
320.167	0.00	0.01	0.013	O	|	|	|	|	0.03	325.333	0.00	0.01	0.010	O	|	|	|	|	0.03
320.250	0.00	0.01	0.013	O	|	|	|	|	0.03	325.417	0.00	0.01	0.010	O	|	|	|	|	0.03
320.333	0.00	0.01	0.013	O	|	|	|	|	0.03	325.500	0.00	0.01	0.010	O	|	|	|	|	0.02
320.417	0.00	0.01	0.013	O	|	|	|	|	0.03	325.583	0.00	0.01	0.010	O	|	|	|	|	0.02
320.500	0.00	0.01	0.013	O	|	|	|	|	0.03	325.667	0.00	0.01	0.010	O	|	|	|	|	0.02
320.583	0.00	0.01	0.013	O	|	|	|	|	0.03	325.750	0.00	0.01	0.010	O	|	|	|	|	0.02
320.667	0.00	0.01	0.013	O	|	|	|	|	0.03	325.833	0.00	0.01	0.010	O	|	|	|	|	0.02
320.750	0.00	0.01	0.013	O	|	|	|	|	0.03	325.917	0.00	0.01	0.010	O	|	|	|	|	0.02

326.000	0.00	0.01	0.010	O	|	|	|	|	0.02	331.167	0.00	0.00	0.008	O	|	|	|	|	0.02
326.083	0.00	0.01	0.010	O	|	|	|	|	0.02	331.250	0.00	0.00	0.008	O	|	|	|	|	0.02
326.167	0.00	0.01	0.010	O	|	|	|	|	0.02	331.333	0.00	0.00	0.008	O	|	|	|	|	0.02
326.250	0.00	0.01	0.010	O	|	|	|	|	0.02	331.417	0.00	0.00	0.008	O	|	|	|	|	0.02
326.333	0.00	0.01	0.010	O	|	|	|	|	0.02	331.500	0.00	0.00	0.008	O	|	|	|	|	0.02
326.417	0.00	0.01	0.010	O	|	|	|	|	0.02	331.583	0.00	0.00	0.008	O	|	|	|	|	0.02
326.500	0.00	0.01	0.010	O	|	|	|	|	0.02	331.667	0.00	0.00	0.008	O	|	|	|	|	0.02
326.583	0.00	0.01	0.010	O	|	|	|	|	0.02	331.750	0.00	0.00	0.008	O	|	|	|	|	0.02
326.667	0.00	0.01	0.010	O	|	|	|	|	0.02	331.833	0.00	0.00	0.008	O	|	|	|	|	0.02
326.750	0.00	0.01	0.010	O	|	|	|	|	0.02	331.917	0.00	0.00	0.008	O	|	|	|	|	0.02
326.833	0.00	0.01	0.010	O	|	|	|	|	0.02	332.000	0.00	0.00	0.008	O	|	|	|	|	0.02
326.917	0.00	0.01	0.010	O	|	|	|	|	0.02	332.083	0.00	0.00	0.008	O	|	|	|	|	0.02
327.000	0.00	0.01	0.010	O	|	|	|	|	0.02	332.167	0.00	0.00	0.008	O	|	|	|	|	0.02
327.083	0.00	0.01	0.010	O	|	|	|	|	0.02	332.250	0.00	0.00	0.008	O	|	|	|	|	0.02
327.167	0.00	0.01	0.010	O	|	|	|	|	0.02	332.333	0.00	0.00	0.008	O	|	|	|	|	0.02
327.250	0.00	0.01	0.010	O	|	|	|	|	0.02	332.417	0.00	0.00	0.007	O	|	|	|	|	0.02
327.333	0.00	0.01	0.010	O	|	|	|	|	0.02	332.500	0.00	0.00	0.007	O	|	|	|	|	0.02
327.417	0.00	0.01	0.010	O	|	|	|	|	0.02	332.583	0.00	0.00	0.007	O	|	|	|	|	0.02
327.500	0.00	0.01	0.009	O	|	|	|	|	0.02	332.667	0.00	0.00	0.007	O	|	|	|	|	0.02
327.583	0.00	0.01	0.009	O	|	|	|	|	0.02	332.750	0.00	0.00	0.007	O	|	|	|	|	0.02
327.667	0.00	0.01	0.009	O	|	|	|	|	0.02	332.833	0.00	0.00	0.007	O	|	|	|	|	0.02
327.750	0.00	0.01	0.009	O	|	|	|	|	0.02	332.917	0.00	0.00	0.007	O	|	|	|	|	0.02
327.833	0.00	0.01	0.009	O	|	|	|	|	0.02	333.000	0.00	0.00	0.007	O	|	|	|	|	0.02
327.917	0.00	0.01	0.009	O	|	|	|	|	0.02	333.083	0.00	0.00	0.007	O	|	|	|	|	0.02
328.000	0.00	0.01	0.009	O	|	|	|	|	0.02	333.167	0.00	0.00	0.007	O	|	|	|	|	0.02
328.083	0.00	0.01	0.009	O	|	|	|	|	0.02	333.250	0.00	0.00	0.007	O	|	|	|	|	0.02
328.167	0.00	0.01	0.009	O	|	|	|	|	0.02	333.333	0.00	0.00	0.007	O	|	|	|	|	0.02
328.250	0.00	0.01	0.009	O	|	|	|	|	0.02	333.417	0.00	0.00	0.007	O	|	|	|	|	0.02
328.333	0.00	0.01	0.009	O	|	|	|	|	0.02	333.500	0.00	0.00	0.007	O	|	|	|	|	0.02
328.417	0.00	0.01	0.009	O	|	|	|	|	0.02	333.583	0.00	0.00	0.007	O	|	|	|	|	0.02
328.500	0.00	0.01	0.009	O	|	|	|	|	0.02	333.667	0.00	0.00	0.007	O	|	|	|	|	0.02
328.583	0.00	0.01	0.009	O	|	|	|	|	0.02	333.750	0.00	0.00	0.007	O	|	|	|	|	0.02
328.667	0.00	0.01	0.009	O	|	|	|	|	0.02	333.833	0.00	0.00	0.007	O	|	|	|	|	0.02
328.750	0.00	0.01	0.009	O	|	|	|	|	0.02	333.917	0.00	0.00	0.007	O	|	|	|	|	0.02
328.833	0.00	0.01	0.009	O	|	|	|	|	0.02	334.000	0.00	0.00	0.007	O	|	|	|	|	0.02
328.917	0.00	0.01	0.009	O	|	|	|	|	0.02	334.083	0.00	0.00	0.007	O	|	|	|	|	0.02
329.000	0.00	0.01	0.009	O	|	|	|	|	0.02	334.167	0.00	0.00	0.007	O	|	|	|	|	0.02
329.083	0.00	0.01	0.009	O	|	|	|	|	0.02	334.250	0.00	0.00	0.007	O	|	|	|	|	0.02
329.167	0.00	0.01	0.009	O	|	|	|	|	0.02	334.333	0.00	0.00	0.007	O	|	|	|	|	0.02
329.250	0.00	0.01	0.009	O	|	|	|	|	0.02	334.417	0.00	0.00	0.007	O	|	|	|	|	0.02
329.333	0.00	0.00	0.009	O	|	|	|	|	0.02	334.500	0.00	0.00	0.007	O	|	|	|	|	0.02
329.417	0.00	0.00	0.009	O	|	|	|	|	0.02	334.583	0.00	0.00	0.007	O	|	|	|	|	0.02
329.500	0.00	0.00	0.009	O	|	|	|	|	0.02	334.667	0.00	0.00	0.007	O	|	|	|	|	0.02
329.583	0.00	0.00	0.009	O	|	|	|	|	0.02	334.750	0.00	0.00	0.007	O	|	|	|	|	0.02
329.667	0.00	0.00	0.009	O	|	|	|	|	0.02	334.833	0.00	0.00	0.007	O	|	|	|	|	0.02
329.750	0.00	0.00	0.009	O	|	|	|	|	0.02	334.917	0.00	0.00	0.007	O	|	|	|	|	0.02
329.833	0.00	0.00	0.008	O	|	|	|	|	0.02	335.000	0.00	0.00	0.007	O	|	|	|	|	0.02
329.917	0.00	0.00	0.008	O	|	|	|	|	0.02	335.083	0.00	0.00	0.007	O	|	|	|	|	0.02
330.000	0.00	0.00	0.008	O	|	|	|	|	0.02	335.167	0.00	0.00	0.007	O	|	|	|	|	0.02
330.083	0.00	0.00	0.008	O	|	|	|	|	0.02	335.250	0.00	0.00	0.007	O	|	|	|	|	0.02
330.167	0.00	0.00	0.008	O	|	|	|	|	0.02	335.333	0.00	0.00	0.007	O	|	|	|	|	0.02
330.250	0.00	0.00	0.008	O	|	|	|	|	0.02	335.417	0.00	0.00	0.006	O	|	|	|	|	0.02
330.333	0.00	0.00	0.008	O	|	|	|	|	0.02	335.500	0.00	0.00	0.006	O	|	|	|	|	0.02
330.417	0.00	0.00	0.008	O	|	|	|	|	0.02	335.583	0.00	0.00	0.006	O	|	|	|	|	0.02
330.500	0.00	0.00	0.008	O	|	|	|	|	0.02	335.667	0.00	0.00	0.006	O	|	|	|	|	0.02
330.583	0.00	0.00	0.008	O	|	|	|	|	0.02	335.750	0.00	0.00	0.006	O	|	|	|	|	0.02
330.667	0.00	0.00	0.008	O	|	|	|	|	0.02	335.833	0.00	0.00	0.006	O	|	|	|	|	0.02
330.750	0.00	0.00	0.008	O	|	|	|	|	0.02	335.917	0.00	0.00	0.006	O	|	|	|	|	0.02
330.833	0.00	0.00	0.008	O	|	|	|	|	0.02	336.000	0.00	0.00	0.006	O	|	|	|	|	0.02
330.917	0.00	0.00	0.008	O	|	|	|	|	0.02	336.083	0.00	0.00	0.006	O	|	|	|	|	0.02
331.000	0.00	0.00	0.008	O	|	|	|	|	0.02	336.167	0.00	0.00	0.006	O	|	|	|	|	0.02
331.083	0.00	0.00	0.008	O	|	|	|	|	0.02	336.250	0.00	0.00	0.006	O	|	|	|	|	0.01

336.333	0.00	0.00	0.006	O	|	|	|	|	0.01	341.500	0.00	0.00	0.005	O	|	|	|	|	0.01
336.417	0.00	0.00	0.006	O	|	|	|	|	0.01	341.583	0.00	0.00	0.005	O	|	|	|	|	0.01
336.500	0.00	0.00	0.006	O	|	|	|	|	0.01	341.667	0.00	0.00	0.005	O	|	|	|	|	0.01
336.583	0.00	0.00	0.006	O	|	|	|	|	0.01	341.750	0.00	0.00	0.005	O	|	|	|	|	0.01
336.667	0.00	0.00	0.006	O	|	|	|	|	0.01	341.833	0.00	0.00	0.005	O	|	|	|	|	0.01
336.750	0.00	0.00	0.006	O	|	|	|	|	0.01	341.917	0.00	0.00	0.005	O	|	|	|	|	0.01
336.833	0.00	0.00	0.006	O	|	|	|	|	0.01	342.000	0.00	0.00	0.005	O	|	|	|	|	0.01
336.917	0.00	0.00	0.006	O	|	|	|	|	0.01	342.083	0.00	0.00	0.005	O	|	|	|	|	0.01
337.000	0.00	0.00	0.006	O	|	|	|	|	0.01	342.167	0.00	0.00	0.005	O	|	|	|	|	0.01
337.083	0.00	0.00	0.006	O	|	|	|	|	0.01	342.250	0.00	0.00	0.005	O	|	|	|	|	0.01
337.167	0.00	0.00	0.006	O	|	|	|	|	0.01	342.333	0.00	0.00	0.005	O	|	|	|	|	0.01
337.250	0.00	0.00	0.006	O	|	|	|	|	0.01	342.417	0.00	0.00	0.005	O	|	|	|	|	0.01
337.333	0.00	0.00	0.006	O	|	|	|	|	0.01	342.500	0.00	0.00	0.005	O	|	|	|	|	0.01
337.417	0.00	0.00	0.006	O	|	|	|	|	0.01	342.583	0.00	0.00	0.005	O	|	|	|	|	0.01
337.500	0.00	0.00	0.006	O	|	|	|	|	0.01	342.667	0.00	0.00	0.005	O	|	|	|	|	0.01
337.583	0.00	0.00	0.006	O	|	|	|	|	0.01	342.750	0.00	0.00	0.005	O	|	|	|	|	0.01
337.667	0.00	0.00	0.006	O	|	|	|	|	0.01	342.833	0.00	0.00	0.005	O	|	|	|	|	0.01
337.750	0.00	0.00	0.006	O	|	|	|	|	0.01	342.917	0.00	0.00	0.005	O	|	|	|	|	0.01
337.833	0.00	0.00	0.006	O	|	|	|	|	0.01	343.000	0.00	0.00	0.005	O	|	|	|	|	0.01
337.917	0.00	0.00	0.006	O	|	|	|	|	0.01	343.083	0.00	0.00	0.005	O	|	|	|	|	0.01
338.000	0.00	0.00	0.006	O	|	|	|	|	0.01	343.167	0.00	0.00	0.004	O	|	|	|	|	0.01
338.083	0.00	0.00	0.006	O	|	|	|	|	0.01	343.250	0.00	0.00	0.004	O	|	|	|	|	0.01
338.167	0.00	0.00	0.006	O	|	|	|	|	0.01	343.333	0.00	0.00	0.004	O	|	|	|	|	0.01
338.250	0.00	0.00	0.006	O	|	|	|	|	0.01	343.417	0.00	0.00	0.004	O	|	|	|	|	0.01
338.333	0.00	0.00	0.006	O	|	|	|	|	0.01	343.500	0.00	0.00	0.004	O	|	|	|	|	0.01
338.417	0.00	0.00	0.006	O	|	|	|	|	0.01	343.583	0.00	0.00	0.004	O	|	|	|	|	0.01
338.500	0.00	0.00	0.006	O	|	|	|	|	0.01	343.667	0.00	0.00	0.004	O	|	|	|	|	0.01
338.583	0.00	0.00	0.006	O	|	|	|	|	0.01	343.750	0.00	0.00	0.004	O	|	|	|	|	0.01
338.667	0.00	0.00	0.006	O	|	|	|	|	0.01	343.833	0.00	0.00	0.004	O	|	|	|	|	0.01
338.750	0.00	0.00	0.006	O	|	|	|	|	0.01	343.917	0.00	0.00	0.004	O	|	|	|	|	0.01
338.833	0.00	0.00	0.006	O	|	|	|	|	0.01	344.000	0.00	0.00	0.004	O	|	|	|	|	0.01
338.917	0.00	0.00	0.005	O	|	|	|	|	0.01	344.083	0.00	0.00	0.004	O	|	|	|	|	0.01
339.000	0.00	0.00	0.005	O	|	|	|	|	0.01	344.167	0.00	0.00	0.004	O	|	|	|	|	0.01
339.083	0.00	0.00	0.005	O	|	|	|	|	0.01	344.250	0.00	0.00	0.004	O	|	|	|	|	0.01
339.167	0.00	0.00	0.005	O	|	|	|	|	0.01	344.333	0.00	0.00	0.004	O	|	|	|	|	0.01
339.250	0.00	0.00	0.005	O	|	|	|	|	0.01	344.417	0.00	0.00	0.004	O	|	|	|	|	0.01
339.333	0.00	0.00	0.005	O	|	|	|	|	0.01	344.500	0.00	0.00	0.004	O	|	|	|	|	0.01
339.417	0.00	0.00	0.005	O	|	|	|	|	0.01	344.583	0.00	0.00	0.004	O	|	|	|	|	0.01
339.500	0.00	0.00	0.005	O	|	|	|	|	0.01	344.667	0.00	0.00	0.004	O	|	|	|	|	0.01
339.583	0.00	0.00	0.005	O	|	|	|	|	0.01	344.750	0.00	0.00	0.004	O	|	|	|	|	0.01
339.667	0.00	0.00	0.005	O	|	|	|	|	0.01	344.833	0.00	0.00	0.004	O	|	|	|	|	0.01
339.750	0.00	0.00	0.005	O	|	|	|	|	0.01	344.917	0.00	0.00	0.004	O	|	|	|	|	0.01
339.833	0.00	0.00	0.005	O	|	|	|	|	0.01	345.000	0.00	0.00	0.004	O	|	|	|	|	0.01
339.917	0.00	0.00	0.005	O	|	|	|	|	0.01	345.083	0.00	0.00	0.004	O	|	|	|	|	0.01
340.000	0.00	0.00	0.005	O	|	|	|	|	0.01	345.167	0.00	0.00	0.004	O	|	|	|	|	0.01
340.083	0.00	0.00	0.005	O	|	|	|	|	0.01	345.250	0.00	0.00	0.004	O	|	|	|	|	0.01
340.167	0.00	0.00	0.005	O	|	|	|	|	0.01	345.333	0.00	0.00	0.004	O	|	|	|	|	0.01
340.250	0.00	0.00	0.005	O	|	|	|	|	0.01	345.417	0.00	0.00	0.004	O	|	|	|	|	0.01
340.333	0.00	0.00	0.005	O	|	|	|	|	0.01	345.500	0.00	0.00	0.004	O	|	|	|	|	0.01
340.417	0.00	0.00	0.005	O	|	|	|	|	0.01	345.583	0.00	0.00	0.004	O	|	|	|	|	0.01
340.500	0.00	0.00	0.005	O	|	|	|	|	0.01	345.667	0.00	0.00	0.004	O	|	|	|	|	0.01
340.583	0.00	0.00	0.005	O	|	|	|	|	0.01	345.750	0.00	0.00	0.004	O	|	|	|	|	0.01
340.667	0.00	0.00	0.005	O	|	|	|	|	0.01	345.833	0.00	0.00	0.004	O	|	|	|	|	0.01
340.750	0.00	0.00	0.005	O	|	|	|	|	0.01	345.917	0.00	0.00	0.004	O	|	|	|	|	0.01
340.833	0.00	0.00	0.005	O	|	|	|	|	0.01	346.000	0.00	0.00	0.004	O	|	|	|	|	0.01
340.917	0.00	0.00	0.005	O	|	|	|	|	0.01	346.083	0.00	0.00	0.004	O	|	|	|	|	0.01
341.000	0.00	0.00	0.005	O	|	|	|	|	0.01	346.167	0.00	0.00	0.004	O	|	|	|	|	0.01
341.083	0.00	0.00	0.005	O	|	|	|	|	0.01	346.250	0.00	0.00	0.004	O	|	|	|	|	0.01
341.167	0.00	0.00	0.005	O	|	|	|	|	0.01	346.333	0.00	0.00	0.004	O	|	|	|	|	0.01
341.250	0.00	0.00	0.005	O	|	|	|	|	0.01	346.417	0.00	0.00	0.004	O	|	|	|	|	0.01
341.333	0.00	0.00	0.005	O	|	|	|	|	0.01	346.500	0.00	0.00	0.004	O	|	|	|	|	0.01
341.417	0.00	0.00	0.005	O	|	|	|	|	0.01	346.583	0.00	0.00	0.004	O	|	|	|	|	0.01

346.667	0.00	0.00	0.004	O	|	|	|	|	0.01	351.833	0.00	0.00	0.003	O	|	|	|	|	0.01
346.750	0.00	0.00	0.004	O	|	|	|	|	0.01	351.917	0.00	0.00	0.003	O	|	|	|	|	0.01
346.833	0.00	0.00	0.004	O	|	|	|	|	0.01	352.000	0.00	0.00	0.003	O	|	|	|	|	0.01
346.917	0.00	0.00	0.004	O	|	|	|	|	0.01	352.083	0.00	0.00	0.003	O	|	|	|	|	0.01
347.000	0.00	0.00	0.004	O	|	|	|	|	0.01	352.167	0.00	0.00	0.003	O	|	|	|	|	0.01
347.083	0.00	0.00	0.004	O	|	|	|	|	0.01	352.250	0.00	0.00	0.003	O	|	|	|	|	0.01
347.167	0.00	0.00	0.004	O	|	|	|	|	0.01	352.333	0.00	0.00	0.003	O	|	|	|	|	0.01
347.250	0.00	0.00	0.004	O	|	|	|	|	0.01	352.417	0.00	0.00	0.003	O	|	|	|	|	0.01
347.333	0.00	0.00	0.004	O	|	|	|	|	0.01	352.500	0.00	0.00	0.003	O	|	|	|	|	0.01
347.417	0.00	0.00	0.004	O	|	|	|	|	0.01	352.583	0.00	0.00	0.003	O	|	|	|	|	0.01
347.500	0.00	0.00	0.004	O	|	|	|	|	0.01	352.667	0.00	0.00	0.003	O	|	|	|	|	0.01
347.583	0.00	0.00	0.004	O	|	|	|	|	0.01	352.750	0.00	0.00	0.003	O	|	|	|	|	0.01
347.667	0.00	0.00	0.004	O	|	|	|	|	0.01	352.833	0.00	0.00	0.003	O	|	|	|	|	0.01
347.750	0.00	0.00	0.004	O	|	|	|	|	0.01	352.917	0.00	0.00	0.003	O	|	|	|	|	0.01
347.833	0.00	0.00	0.004	O	|	|	|	|	0.01	353.000	0.00	0.00	0.003	O	|	|	|	|	0.01
347.917	0.00	0.00	0.004	O	|	|	|	|	0.01	353.083	0.00	0.00	0.003	O	|	|	|	|	0.01
348.000	0.00	0.00	0.004	O	|	|	|	|	0.01	353.167	0.00	0.00	0.003	O	|	|	|	|	0.01
348.083	0.00	0.00	0.004	O	|	|	|	|	0.01	353.250	0.00	0.00	0.003	O	|	|	|	|	0.01
348.167	0.00	0.00	0.004	O	|	|	|	|	0.01	353.333	0.00	0.00	0.003	O	|	|	|	|	0.01
348.250	0.00	0.00	0.004	O	|	|	|	|	0.01	353.417	0.00	0.00	0.003	O	|	|	|	|	0.01
348.333	0.00	0.00	0.004	O	|	|	|	|	0.01	353.500	0.00	0.00	0.003	O	|	|	|	|	0.01
348.417	0.00	0.00	0.004	O	|	|	|	|	0.01	353.583	0.00	0.00	0.003	O	|	|	|	|	0.01
348.500	0.00	0.00	0.003	O	|	|	|	|	0.01	353.667	0.00	0.00	0.003	O	|	|	|	|	0.01
348.583	0.00	0.00	0.003	O	|	|	|	|	0.01	353.750	0.00	0.00	0.003	O	|	|	|	|	0.01
348.667	0.00	0.00	0.003	O	|	|	|	|	0.01	353.833	0.00	0.00	0.003	O	|	|	|	|	0.01
348.750	0.00	0.00	0.003	O	|	|	|	|	0.01	353.917	0.00	0.00	0.003	O	|	|	|	|	0.01
348.833	0.00	0.00	0.003	O	|	|	|	|	0.01	354.000	0.00	0.00	0.003	O	|	|	|	|	0.01
348.917	0.00	0.00	0.003	O	|	|	|	|	0.01	354.083	0.00	0.00	0.003	O	|	|	|	|	0.01
349.000	0.00	0.00	0.003	O	|	|	|	|	0.01	354.167	0.00	0.00	0.003	O	|	|	|	|	0.01
349.083	0.00	0.00	0.003	O	|	|	|	|	0.01	354.250	0.00	0.00	0.003	O	|	|	|	|	0.01
349.167	0.00	0.00	0.003	O	|	|	|	|	0.01	354.333	0.00	0.00	0.003	O	|	|	|	|	0.01
349.250	0.00	0.00	0.003	O	|	|	|	|	0.01	354.417	0.00	0.00	0.003	O	|	|	|	|	0.01
349.333	0.00	0.00	0.003	O	|	|	|	|	0.01	354.500	0.00	0.00	0.003	O	|	|	|	|	0.01
349.417	0.00	0.00	0.003	O	|	|	|	|	0.01	354.583	0.00	0.00	0.003	O	|	|	|	|	0.01
349.500	0.00	0.00	0.003	O	|	|	|	|	0.01	354.667	0.00	0.00	0.003	O	|	|	|	|	0.01
349.583	0.00	0.00	0.003	O	|	|	|	|	0.01	354.750	0.00	0.00	0.003	O	|	|	|	|	0.01
349.667	0.00	0.00	0.003	O	|	|	|	|	0.01	354.833	0.00	0.00	0.003	O	|	|	|	|	0.01
349.750	0.00	0.00	0.003	O	|	|	|	|	0.01	354.917	0.00	0.00	0.003	O	|	|	|	|	0.01
349.833	0.00	0.00	0.003	O	|	|	|	|	0.01	355.000	0.00	0.00	0.003	O	|	|	|	|	0.01
349.917	0.00	0.00	0.003	O	|	|	|	|	0.01	355.083	0.00	0.00	0.003	O	|	|	|	|	0.01
350.000	0.00	0.00	0.003	O	|	|	|	|	0.01	355.167	0.00	0.00	0.003	O	|	|	|	|	0.01
350.083	0.00	0.00	0.003	O	|	|	|	|	0.01	355.250	0.00	0.00	0.003	O	|	|	|	|	0.01
350.167	0.00	0.00	0.003	O	|	|	|	|	0.01	355.333	0.00	0.00	0.003	O	|	|	|	|	0.01
350.250	0.00	0.00	0.003	O	|	|	|	|	0.01	355.417	0.00	0.00	0.003	O	|	|	|	|	0.01
350.333	0.00	0.00	0.003	O	|	|	|	|	0.01	355.500	0.00	0.00	0.002	O	|	|	|	|	0.01
350.417	0.00	0.00	0.003	O	|	|	|	|	0.01	355.583	0.00	0.00	0.002	O	|	|	|	|	0.01
350.500	0.00	0.00	0.003	O	|	|	|	|	0.01	355.667	0.00	0.00	0.002	O	|	|	|	|	0.01
350.583	0.00	0.00	0.003	O	|	|	|	|	0.01	355.750	0.00	0.00	0.002	O	|	|	|	|	0.01
350.667	0.00	0.00	0.003	O	|	|	|	|	0.01	355.833	0.00	0.00	0.002	O	|	|	|	|	0.01
350.750	0.00	0.00	0.003	O	|	|	|	|	0.01	355.917	0.00	0.00	0.002	O	|	|	|	|	0.01
350.833	0.00	0.00	0.003	O	|	|	|	|	0.01	356.000	0.00	0.00	0.002	O	|	|	|	|	0.01
350.917	0.00	0.00	0.003	O	|	|	|	|	0.01	356.083	0.00	0.00	0.002	O	|	|	|	|	0.01
351.000	0.00	0.00	0.003	O	|	|	|	|	0.01	356.167	0.00	0.00	0.002	O	|	|	|	|	0.01
351.083	0.00	0.00	0.003	O	|	|	|	|	0.01	356.250	0.00	0.00	0.002	O	|	|	|	|	0.01
351.167	0.00	0.00	0.003	O	|	|	|	|	0.01	356.333	0.00	0.00	0.002	O	|	|	|	|	0.01
351.250	0.00	0.00	0.003	O	|	|	|	|	0.01	356.417	0.00	0.00	0.002	O	|	|	|	|	0.01
351.333	0.00	0.00	0.003	O	|	|	|	|	0.01	356.500	0.00	0.00	0.002	O	|	|	|	|	0.01
351.417	0.00	0.00	0.003	O	|	|	|	|	0.01	356.583	0.00	0.00	0.002	O	|	|	|	|	0.01
351.500	0.00	0.00	0.003	O	|	|	|	|	0.01	356.667	0.00	0.00	0.002	O	|	|	|	|	0.01
351.583	0.00	0.00	0.003	O	|	|	|	|	0.01	356.750	0.00	0.00	0.002	O	|	|	|	|	0.01
351.667	0.00	0.00	0.003	O	|	|	|	|	0.01	356.833	0.00	0.00	0.002	O	|	|	|	|	0.01
351.750	0.00	0.00	0.003	O	|	|	|	|	0.01	356.917	0.00	0.00	0.002	O	|	|	|	|	0.01

357.000	0.00	0.00	0.002	O	|	|	|	|	0.01
357.083	0.00	0.00	0.002	O	|	|	|	|	0.01
357.167	0.00	0.00	0.002	O	|	|	|	|	0.01
357.250	0.00	0.00	0.002	O	|	|	|	|	0.01
357.333	0.00	0.00	0.002	O	|	|	|	|	0.01
357.417	0.00	0.00	0.002	O	|	|	|	|	0.01
357.500	0.00	0.00	0.002	O	|	|	|	|	0.01
357.583	0.00	0.00	0.002	O	|	|	|	|	0.01
357.667	0.00	0.00	0.002	O	|	|	|	|	0.01
357.750	0.00	0.00	0.002	O	|	|	|	|	0.01
357.833	0.00	0.00	0.002	O	|	|	|	|	0.01
357.917	0.00	0.00	0.002	O	|	|	|	|	0.01
358.000	0.00	0.00	0.002	O	|	|	|	|	0.01
358.083	0.00	0.00	0.002	O	|	|	|	|	0.01
358.167	0.00	0.00	0.002	O	|	|	|	|	0.01
358.250	0.00	0.00	0.002	O	|	|	|	|	0.01
358.333	0.00	0.00	0.002	O	|	|	|	|	0.01
358.417	0.00	0.00	0.002	O	|	|	|	|	0.01
358.500	0.00	0.00	0.002	O	|	|	|	|	0.01
358.583	0.00	0.00	0.002	O	|	|	|	|	0.01
358.667	0.00	0.00	0.002	O	|	|	|	|	0.01
358.750	0.00	0.00	0.002	O	|	|	|	|	0.01
358.833	0.00	0.00	0.002	O	|	|	|	|	0.01
358.917	0.00	0.00	0.002	O	|	|	|	|	0.01
359.000	0.00	0.00	0.002	O	|	|	|	|	0.01
359.083	0.00	0.00	0.002	O	|	|	|	|	0.01
359.167	0.00	0.00	0.002	O	|	|	|	|	0.01
359.250	0.00	0.00	0.002	O	|	|	|	|	0.01
359.333	0.00	0.00	0.002	O	|	|	|	|	0.00
359.417	0.00	0.00	0.002	O	|	|	|	|	0.00
359.500	0.00	0.00	0.002	O	|	|	|	|	0.00
359.583	0.00	0.00	0.002	O	|	|	|	|	0.00
359.667	0.00	0.00	0.002	O	|	|	|	|	0.00
359.750	0.00	0.00	0.002	O	|	|	|	|	0.00
359.833	0.00	0.00	0.002	O	|	|	|	|	0.00
359.917	0.00	0.00	0.002	O	|	|	|	|	0.00
360.000	0.00	0.00	0.002	O	|	|	|	|	0.00
360.083	0.00	0.00	0.002	O	|	|	|	|	0.00
360.167	0.00	0.00	0.002	O	|	|	|	|	0.00
360.250	0.00	0.00	0.002	O	|	|	|	|	0.00
360.333	0.00	0.00	0.002	O	|	|	|	|	0.00
360.417	0.00	0.00	0.002	O	|	|	|	|	0.00
360.500	0.00	0.00	0.002	O	|	|	|	|	0.00
360.583	0.00	0.00	0.002	O	|	|	|	|	0.00
360.667	0.00	0.00	0.002	O	|	|	|	|	0.00
360.750	0.00	0.00	0.002	O	|	|	|	|	0.00
360.833	0.00	0.00	0.002	O	|	|	|	|	0.00
360.917	0.00	0.00	0.002	O	|	|	|	|	0.00
361.000	0.00	0.00	0.002	O	|	|	|	|	0.00
361.083	0.00	0.00	0.002	O	|	|	|	|	0.00
361.167	0.00	0.00	0.002	O	|	|	|	|	0.00
361.250	0.00	0.00	0.002	O	|	|	|	|	0.00
361.333	0.00	0.00	0.002	O	|	|	|	|	0.00
361.417	0.00	0.00	0.002	O	|	|	|	|	0.00
361.500	0.00	0.00	0.002	O	|	|	|	|	0.00
361.583	0.00	0.00	0.002	O	|	|	|	|	0.00
361.667	0.00	0.00	0.002	O	|	|	|	|	0.00
361.750	0.00	0.00	0.002	O	|	|	|	|	0.00
361.833	0.00	0.00	0.002	O	|	|	|	|	0.00
361.917	0.00	0.00	0.002	O	|	|	|	|	0.00
362.000	0.00	0.00	0.002	O	|	|	|	|	0.00
362.083	0.00	0.00	0.002	O	|	|	|	|	0.00
362.167	0.00	0.00	0.002	O	|	|	|	|	0.00
362.250	0.00	0.00	0.002	O	|	|	|	|	0.00
362.333	0.00	0.00	0.002	O	|	|	|	|	0.00
362.417	0.00	0.00	0.002	O	|	|	|	|	0.00
362.500	0.00	0.00	0.002	O	|	|	|	|	0.00
362.583	0.00	0.00	0.002	O	|	|	|	|	0.00
362.667	0.00	0.00	0.002	O	|	|	|	|	0.00
362.750	0.00	0.00	0.002	O	|	|	|	|	0.00
362.833	0.00	0.00	0.002	O	|	|	|	|	0.00
362.917	0.00	0.00	0.002	O	|	|	|	|	0.00
363.000	0.00	0.00	0.002	O	|	|	|	|	0.00
363.083	0.00	0.00	0.002	O	|	|	|	|	0.00
363.167	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 4358
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 14.123 (CFS)
Total volume = 16.544 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.765	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.106	0.000	0.000	0.000	0.000

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Process from Point/Station 4.200 to Point/Station 4.200

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 1 the total
volume of 0.11 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	3.5	7.1	10.6	14.1
0+ 5	0.0023	0.02	Q	|	|	|	|
0+10	0.0195	0.09	Q	|	|	|	|
0+15	0.0563	0.22	Q	|	|	|	|
0+20	0.1012	0.35	Q	|	|	|	|
0+25	0.1520	0.44	qQ	|	|	|	|
0+30	0.2045	0.53	qQ	|	|	|	|
0+35	0.2315	0.61	qQ	|	|	|	|
0+40	0.2600	0.69	qQ	|	|	|	|
0+45	0.2893	0.75	q Q	|	|	|	|
0+50	0.3115	0.80	q Q	|	|	|	|
0+55	0.3331	0.85	q Q	|	|	|	|
1+ 0	0.3539	0.89	|qQ	|	|	|	|
1+ 5	0.3723	0.94	|qQ	|	|	|	|

1+10	0.3914	0.98	|qQ	|	|	|	|		6+20	0.0000	1.05	q Q	|	|	|	|
1+15	0.4126	1.03	|qQ	|	|	|	|		6+25	0.0000	1.05	q Q	|	|	|	|
1+20	0.4314	1.07	|q Q	|	|	|	|		6+30	0.0000	1.05	q Q	|	|	|	|
1+25	0.4485	1.11	|q Q	|	|	|	|		6+35	0.0000	1.05	q Q	|	|	|	|
1+30	0.4667	1.15	|q Q	|	|	|	|		6+40	0.0000	1.05	q Q	|	|	|	|
1+35	0.4823	1.18	|q Q	|	|	|	|		6+45	0.0000	1.05	q Q	|	|	|	|
1+40	0.4976	1.22	|q Q	|	|	|	|		6+50	0.0000	1.05	q Q	|	|	|	|
1+45	0.5130	1.26	|q Q	|	|	|	|		6+55	0.0000	1.05	q Q	|	|	|	|
1+50	0.5291	1.31	|q Q	|	|	|	|		7+ 0	0.0000	1.05	q Q	|	|	|	|
1+55	0.5463	1.36	|q Q	|	|	|	|		7+ 5	0.0000	1.05	q Q	|	|	|	|
2+ 0	0.5627	1.41	|q Q	|	|	|	|		7+10	0.0000	1.05	q Q	|	|	|	|
2+ 5	0.5787	1.44	|q Q	|	|	|	|		7+15	0.0000	1.05	q Q	|	|	|	|
2+10	0.5949	1.48	|q Q	|	|	|	|		7+20	0.0000	1.05	q Q	|	|	|	|
2+15	0.6124	1.51	|q Q	|	|	|	|		7+25	0.0000	1.05	q Q	|	|	|	|
2+20	0.6321	1.55	|q Q	|	|	|	|		7+30	0.0000	1.05	q Q	|	|	|	|
2+25	0.6474	1.59	|q Q	|	|	|	|		7+35	0.0000	1.05	q Q	|	|	|	|
2+30	0.6648	1.63	|q Q	|	|	|	|		7+40	0.0000	1.05	q Q	|	|	|	|
2+35	0.6856	1.68	|q Q	|	|	|	|		7+45	0.0000	1.05	q Q	|	|	|	|
2+40	0.7151	1.74	| q Q	|	|	|	|		7+50	0.0000	1.05	q Q	|	|	|	|
2+45	0.7408	2.13	| q Q	|	|	|	|		7+55	0.0000	1.05	q Q	|	|	|	|
2+50	0.7570	8.70	| q	|	| Q	|	|		8+ 0	0.0000	1.05	q Q	|	|	|	|
2+55	0.7647	12.04	| q	|	|	Q	|		8+ 5	0.0000	1.05	q Q	|	|	|	|
3+ 0	0.0000	13.33	q	|	|	| Q	|		8+10	0.0000	1.05	q Q	|	|	|	|
3+ 5	0.0000	14.12	q	|	|	| Q	|		8+15	0.0000	1.05	q Q	|	|	|	|
3+10	0.0000	13.80	q	|	|	| Q	|		8+20	0.0000	1.05	q Q	|	|	|	|
3+15	0.0000	13.05	q	|	|	| Q	|		8+25	0.0000	1.05	q Q	|	|	|	|
3+20	0.0000	12.24	q	|	|	| Q	|		8+30	0.0000	1.05	q Q	|	|	|	|
3+25	0.0000	11.44	q	|	|	Q	|		8+35	0.0000	1.04	q Q	|	|	|	|
3+30	0.0000	10.69	q	|	|	Q	|		8+40	0.0000	1.04	q Q	|	|	|	|
3+35	0.0000	9.98	q	|	|	Q	|		8+45	0.0000	1.04	q Q	|	|	|	|
3+40	0.0000	9.32	q	|	| Q	|			8+50	0.0000	1.04	q Q	|	|	|	|
3+45	0.0000	8.71	q	|	| Q	|			8+55	0.0000	1.04	q Q	|	|	|	|
3+50	0.0000	8.13	q	|	Q	|				9+ 0	0.0000	1.04	q Q	|	|	|	|
3+55	0.0000	7.60	q	|	Q	|				9+ 5	0.0000	1.04	q Q	|	|	|	|
4+ 0	0.0000	7.09	q	|	Q	|				9+10	0.0000	1.04	q Q	|	|	|	|
4+ 5	0.0000	6.63	q	|	Q	|				9+15	0.0000	1.04	q Q	|	|	|	|
4+10	0.0000	6.19	q	|	Q	|				9+20	0.0000	1.04	q Q	|	|	|	|
4+15	0.0000	5.78	q	|	Q	|				9+25	0.0000	1.04	q Q	|	|	|	|
4+20	0.0000	5.40	q	|	Q	|				9+30	0.0000	1.04	q Q	|	|	|	|
4+25	0.0000	5.04	q	|	Q	|				9+35	0.0000	1.04	q Q	|	|	|	|
4+30	0.0000	4.71	q	|	Q	|				9+40	0.0000	1.04	q Q	|	|	|	|
4+35	0.0000	4.40	q	| Q	|					9+45	0.0000	1.04	q Q	|	|	|	|
4+40	0.0000	4.11	q	|Q	|					9+50	0.0000	1.04	q Q	|	|	|	|
4+45	0.0000	3.84	q	Q	|					9+55	0.0000	1.04	q Q	|	|	|	|
4+50	0.0000	3.58	q	Q	|					10+ 0	0.0000	1.04	q Q	|	|	|	|
4+55	0.0000	3.35	q	Q|	|					10+ 5	0.0000	1.04	q Q	|	|	|	|
5+ 0	0.0000	3.13	q	Q |	|					10+10	0.0000	1.04	q Q	|	|	|	|
5+ 5	0.0000	2.92	q	Q |	|					10+15	0.0000	1.04	q Q	|	|	|	|
5+10	0.0000	2.73	q	Q |	|					10+20	0.0000	1.04	q Q	|	|	|	|
5+15	0.0000	2.55	q	Q |	|					10+25	0.0000	1.04	q Q	|	|	|	|
5+20	0.0000	2.38	q	Q |	|					10+30	0.0000	1.04	q Q	|	|	|	|
5+25	0.0000	2.22	q	Q |	|					10+35	0.0000	1.04	q Q	|	|	|	|
5+30	0.0000	2.07	q	Q |	|					10+40	0.0000	1.04	q Q	|	|	|	|
5+35	0.0000	1.94	q	Q |	|					10+45	0.0000	1.04	q Q	|	|	|	|
5+40	0.0000	1.81	q	Q |	|					10+50	0.0000	1.04	q Q	|	|	|	|
5+45	0.0000	1.69	q	Q |	|					10+55	0.0000	1.04	q Q	|	|	|	|
5+50	0.0000	1.58	q	Q |	|					11+ 0	0.0000	1.04	q Q	|	|	|	|
5+55	0.0000	1.47	q	Q |	|					11+ 5	0.0000	1.04	q Q	|	|	|	|
6+ 0	0.0000	1.38	q	Q |	|					11+10	0.0000	1.04	q Q	|	|	|	|
6+ 5	0.0000	1.29	q	Q |	|					11+15	0.0000	1.04	q Q	|	|	|	|
6+10	0.0000	1.20	q	Q |	|					11+20	0.0000	1.04	q Q	|	|	|	|
6+15	0.0000	1.12	q	Q |	|					11+25	0.0000	1.04	q Q	|	|	|	|

11+30	0.0000	1.04	q	Q					16+40	0.0000	1.03	q	Q				
11+35	0.0000	1.04	q	Q					16+45	0.0000	1.03	q	Q				
11+40	0.0000	1.04	q	Q					16+50	0.0000	1.03	q	Q				
11+45	0.0000	1.04	q	Q					16+55	0.0000	1.03	q	Q				
11+50	0.0000	1.04	q	Q					17+ 0	0.0000	1.03	q	Q				
11+55	0.0000	1.04	q	Q					17+ 5	0.0000	1.03	q	Q				
12+ 0	0.0000	1.04	q	Q					17+10	0.0000	1.03	q	Q				
12+ 5	0.0000	1.04	q	Q					17+15	0.0000	1.03	q	Q				
12+10	0.0000	1.04	q	Q					17+20	0.0000	1.03	q	Q				
12+15	0.0000	1.04	q	Q					17+25	0.0000	1.03	q	Q				
12+20	0.0000	1.04	q	Q					17+30	0.0000	1.02	q	Q				
12+25	0.0000	1.04	q	Q					17+35	0.0000	1.02	q	Q				
12+30	0.0000	1.04	q	Q					17+40	0.0000	1.02	q	Q				
12+35	0.0000	1.04	q	Q					17+45	0.0000	1.02	q	Q				
12+40	0.0000	1.04	q	Q					17+50	0.0000	1.02	q	Q				
12+45	0.0000	1.04	q	Q					17+55	0.0000	1.02	q	Q				
12+50	0.0000	1.04	q	Q					18+ 0	0.0000	1.02	q	Q				
12+55	0.0000	1.04	q	Q					18+ 5	0.0000	1.02	q	Q				
13+ 0	0.0000	1.03	q	Q					18+10	0.0000	1.02	q	Q				
13+ 5	0.0000	1.03	q	Q					18+15	0.0000	1.02	q	Q				
13+10	0.0000	1.03	q	Q					18+20	0.0000	1.02	q	Q				
13+15	0.0000	1.03	q	Q					18+25	0.0000	1.02	q	Q				
13+20	0.0000	1.03	q	Q					18+30	0.0000	1.02	q	Q				
13+25	0.0000	1.03	q	Q					18+35	0.0000	1.02	q	Q				
13+30	0.0000	1.03	q	Q					18+40	0.0000	1.02	q	Q				
13+35	0.0000	1.03	q	Q					18+45	0.0000	1.02	q	Q				
13+40	0.0000	1.03	q	Q					18+50	0.0000	1.02	q	Q				
13+45	0.0000	1.03	q	Q					18+55	0.0000	1.02	q	Q				
13+50	0.0000	1.03	q	Q					19+ 0	0.0000	1.02	q	Q				
13+55	0.0000	1.03	q	Q					19+ 5	0.0000	1.02	q	Q				
14+ 0	0.0000	1.03	q	Q					19+10	0.0000	1.02	q	Q				
14+ 5	0.0000	1.03	q	Q					19+15	0.0000	1.02	q	Q				
14+10	0.0000	1.03	q	Q					19+20	0.0000	1.02	q	Q				
14+15	0.0000	1.03	q	Q					19+25	0.0000	1.02	q	Q				
14+20	0.0000	1.03	q	Q					19+30	0.0000	1.02	q	Q				
14+25	0.0000	1.03	q	Q					19+35	0.0000	1.02	q	Q				
14+30	0.0000	1.03	q	Q					19+40	0.0000	1.02	q	Q				
14+35	0.0000	1.03	q	Q					19+45	0.0000	1.02	q	Q				
14+40	0.0000	1.03	q	Q					19+50	0.0000	1.02	q	Q				
14+45	0.0000	1.03	q	Q					19+55	0.0000	1.02	q	Q				
14+50	0.0000	1.03	q	Q					20+ 0	0.0000	1.02	q	Q				
14+55	0.0000	1.03	q	Q					20+ 5	0.0000	1.02	q	Q				
15+ 0	0.0000	1.03	q	Q					20+10	0.0000	1.02	q	Q				
15+ 5	0.0000	1.03	q	Q					20+15	0.0000	1.02	q	Q				
15+10	0.0000	1.03	q	Q					20+20	0.0000	1.02	q	Q				
15+15	0.0000	1.03	q	Q					20+25	0.0000	1.02	q	Q				
15+20	0.0000	1.03	q	Q					20+30	0.0000	1.02	q	Q				
15+25	0.0000	1.03	q	Q					20+35	0.0000	1.02	q	Q				
15+30	0.0000	1.03	q	Q					20+40	0.0000	1.02	q	Q				
15+35	0.0000	1.03	q	Q					20+45	0.0000	1.02	q	Q				
15+40	0.0000	1.03	q	Q					20+50	0.0000	1.02	q	Q				
15+45	0.0000	1.03	q	Q					20+55	0.0000	1.02	q	Q				
15+50	0.0000	1.03	q	Q					21+ 0	0.0000	1.02	q	Q				
15+55	0.0000	1.03	q	Q					21+ 5	0.0000	1.02	q	Q				
16+ 0	0.0000	1.03	q	Q					21+10	0.0000	1.02	q	Q				
16+ 5	0.0000	1.03	q	Q					21+15	0.0000	1.02	q	Q				
16+10	0.0000	1.03	q	Q					21+20	0.0000	1.02	q	Q				
16+15	0.0000	1.03	q	Q					21+25	0.0000	1.02	q	Q				
16+20	0.0000	1.03	q	Q					21+30	0.0000	1.02	q	Q				
16+25	0.0000	1.03	q	Q					21+35	0.0000	1.02	q	Q				
16+30	0.0000	1.03	q	Q					21+40	0.0000	1.02	q	Q				
16+35	0.0000	1.03	q	Q					21+45	0.0000	1.02	q	Q				

21+50	0.0000	1.02	q	Q	|	|	|	|	27+ 0	0.0000	1.01	q	Q	|	|	|	|
21+55	0.0000	1.02	q	Q	|	|	|	|	27+ 5	0.0000	1.00	q	Q	|	|	|	|
22+ 0	0.0000	1.01	q	Q	|	|	|	|	27+10	0.0000	1.00	q	Q	|	|	|	|
22+ 5	0.0000	1.01	q	Q	|	|	|	|	27+15	0.0000	1.00	q	Q	|	|	|	|
22+10	0.0000	1.01	q	Q	|	|	|	|	27+20	0.0000	1.00	q	Q	|	|	|	|
22+15	0.0000	1.01	q	Q	|	|	|	|	27+25	0.0000	1.00	q	Q	|	|	|	|
22+20	0.0000	1.01	q	Q	|	|	|	|	27+30	0.0000	1.00	q	Q	|	|	|	|
22+25	0.0000	1.01	q	Q	|	|	|	|	27+35	0.0000	1.00	q	Q	|	|	|	|
22+30	0.0000	1.01	q	Q	|	|	|	|	27+40	0.0000	1.00	q	Q	|	|	|	|
22+35	0.0000	1.01	q	Q	|	|	|	|	27+45	0.0000	1.00	q	Q	|	|	|	|
22+40	0.0000	1.01	q	Q	|	|	|	|	27+50	0.0000	1.00	q	Q	|	|	|	|
22+45	0.0000	1.01	q	Q	|	|	|	|	27+55	0.0000	1.00	q	Q	|	|	|	|
22+50	0.0000	1.01	q	Q	|	|	|	|	28+ 0	0.0000	1.00	q	Q	|	|	|	|
22+55	0.0000	1.01	q	Q	|	|	|	|	28+ 5	0.0000	1.00	q	Q	|	|	|	|
23+ 0	0.0000	1.01	q	Q	|	|	|	|	28+10	0.0000	1.00	q	Q	|	|	|	|
23+ 5	0.0000	1.01	q	Q	|	|	|	|	28+15	0.0000	1.00	q	Q	|	|	|	|
23+10	0.0000	1.01	q	Q	|	|	|	|	28+20	0.0000	1.00	q	Q	|	|	|	|
23+15	0.0000	1.01	q	Q	|	|	|	|	28+25	0.0000	1.00	q	Q	|	|	|	|
23+20	0.0000	1.01	q	Q	|	|	|	|	28+30	0.0000	1.00	q	Q	|	|	|	|
23+25	0.0000	1.01	q	Q	|	|	|	|	28+35	0.0000	1.00	q	Q	|	|	|	|
23+30	0.0000	1.01	q	Q	|	|	|	|	28+40	0.0000	1.00	q	Q	|	|	|	|
23+35	0.0000	1.01	q	Q	|	|	|	|	28+45	0.0000	1.00	q	Q	|	|	|	|
23+40	0.0000	1.01	q	Q	|	|	|	|	28+50	0.0000	1.00	q	Q	|	|	|	|
23+45	0.0000	1.01	q	Q	|	|	|	|	28+55	0.0000	1.00	q	Q	|	|	|	|
23+50	0.0000	1.01	q	Q	|	|	|	|	29+ 0	0.0000	1.00	q	Q	|	|	|	|
23+55	0.0000	1.01	q	Q	|	|	|	|	29+ 5	0.0000	1.00	q	Q	|	|	|	|
24+ 0	0.0000	1.01	q	Q	|	|	|	|	29+10	0.0000	1.00	q	Q	|	|	|	|
24+ 5	0.0000	1.01	q	Q	|	|	|	|	29+15	0.0000	1.00	q	Q	|	|	|	|
24+10	0.0000	1.01	q	Q	|	|	|	|	29+20	0.0000	1.00	q	Q	|	|	|	|
24+15	0.0000	1.01	q	Q	|	|	|	|	29+25	0.0000	1.00	q	Q	|	|	|	|
24+20	0.0000	1.01	q	Q	|	|	|	|	29+30	0.0000	1.00	q	Q	|	|	|	|
24+25	0.0000	1.01	q	Q	|	|	|	|	29+35	0.0000	1.00	q	Q	|	|	|	|
24+30	0.0000	1.01	q	Q	|	|	|	|	29+40	0.0000	1.00	q	Q	|	|	|	|
24+35	0.0000	1.01	q	Q	|	|	|	|	29+45	0.0000	1.00	q	Q	|	|	|	|
24+40	0.0000	1.01	q	Q	|	|	|	|	29+50	0.0000	1.00	q	Q	|	|	|	|
24+45	0.0000	1.01	q	Q	|	|	|	|	29+55	0.0000	1.00	q	Q	|	|	|	|
24+50	0.0000	1.01	q	Q	|	|	|	|	30+ 0	0.0000	1.00	q	Q	|	|	|	|
24+55	0.0000	1.01	q	Q	|	|	|	|	30+ 5	0.0000	1.00	q	Q	|	|	|	|
25+ 0	0.0000	1.01	q	Q	|	|	|	|	30+10	0.0000	1.00	q	Q	|	|	|	|
25+ 5	0.0000	1.01	q	Q	|	|	|	|	30+15	0.0000	1.00	q	Q	|	|	|	|
25+10	0.0000	1.01	q	Q	|	|	|	|	30+20	0.0000	1.00	q	Q	|	|	|	|
25+15	0.0000	1.01	q	Q	|	|	|	|	30+25	0.0000	1.00	q	Q	|	|	|	|
25+20	0.0000	1.01	q	Q	|	|	|	|	30+30	0.0000	1.00	q	Q	|	|	|	|
25+25	0.0000	1.01	q	Q	|	|	|	|	30+35	0.0000	1.00	q	Q	|	|	|	|
25+30	0.0000	1.01	q	Q	|	|	|	|	30+40	0.0000	1.00	q	Q	|	|	|	|
25+35	0.0000	1.01	q	Q	|	|	|	|	30+45	0.0000	1.00	q	Q	|	|	|	|
25+40	0.0000	1.01	q	Q	|	|	|	|	30+50	0.0000	1.00	q	Q	|	|	|	|
25+45	0.0000	1.01	q	Q	|	|	|	|	30+55	0.0000	1.00	q	Q	|	|	|	|
25+50	0.0000	1.01	q	Q	|	|	|	|	31+ 0	0.0000	1.00	q	Q	|	|	|	|
25+55	0.0000	1.01	q	Q	|	|	|	|	31+ 5	0.0000	1.00	q	Q	|	|	|	|
26+ 0	0.0000	1.01	q	Q	|	|	|	|	31+10	0.0000	1.00	q	Q	|	|	|	|
26+ 5	0.0000	1.01	q	Q	|	|	|	|	31+15	0.0000	1.00	q	Q	|	|	|	|
26+10	0.0000	1.01	q	Q	|	|	|	|	31+20	0.0000	1.00	q	Q	|	|	|	|
26+15	0.0000	1.01	q	Q	|	|	|	|	31+25	0.0000	1.00	q	Q	|	|	|	|
26+20	0.0000	1.01	q	Q	|	|	|	|	31+30	0.0000	1.00	q	Q	|	|	|	|
26+25	0.0000	1.01	q	Q	|	|	|	|	31+35	0.0000	1.00	q	Q	|	|	|	|
26+30	0.0000	1.01	q	Q	|	|	|	|	31+40	0.0000	1.00	q	Q	|	|	|	|
26+35	0.0000	1.01	q	Q	|	|	|	|	31+45	0.0000	1.00	q	Q	|	|	|	|
26+40	0.0000	1.01	q	Q	|	|	|	|	31+50	0.0000	1.00	q	Q	|	|	|	|
26+45	0.0000	1.01	q	Q	|	|	|	|	31+55	0.0000	1.00	q	Q	|	|	|	|
26+50	0.0000	1.01	q	Q	|	|	|	|	32+ 0	0.0000	1.00	q	Q	|	|	|	|
26+55	0.0000	1.01	q	Q	|	|	|	|	32+ 5	0.0000	1.00	q	Q	|	|	|	|

32+10	0.0000	1.00	q	Q					37+20	0.0000	0.99	q	Q				
32+15	0.0000	1.00	q	Q					37+25	0.0000	0.99	q	Q				
32+20	0.0000	1.00	q	Q					37+30	0.0000	0.99	q	Q				
32+25	0.0000	1.00	q	Q					37+35	0.0000	0.99	q	Q				
32+30	0.0000	1.00	q	Q					37+40	0.0000	0.99	q	Q				
32+35	0.0000	1.00	q	Q					37+45	0.0000	0.99	q	Q				
32+40	0.0000	1.00	q	Q					37+50	0.0000	0.99	q	Q				
32+45	0.0000	1.00	q	Q					37+55	0.0000	0.99	q	Q				
32+50	0.0000	1.00	q	Q					38+ 0	0.0000	0.99	q	Q				
32+55	0.0000	0.99	q	Q					38+ 5	0.0000	0.99	q	Q				
33+ 0	0.0000	0.99	q	Q					38+10	0.0000	0.99	q	Q				
33+ 5	0.0000	0.99	q	Q					38+15	0.0000	0.99	q	Q				
33+10	0.0000	0.99	q	Q					38+20	0.0000	0.99	q	Q				
33+15	0.0000	0.99	q	Q					38+25	0.0000	0.99	q	Q				
33+20	0.0000	0.99	q	Q					38+30	0.0000	0.99	q	Q				
33+25	0.0000	0.99	q	Q					38+35	0.0000	0.99	q	Q				
33+30	0.0000	0.99	q	Q					38+40	0.0000	0.98	q	Q				
33+35	0.0000	0.99	q	Q					38+45	0.0000	0.98	q	Q				
33+40	0.0000	0.99	q	Q					38+50	0.0000	0.98	q	Q				
33+45	0.0000	0.99	q	Q					38+55	0.0000	0.98	q	Q				
33+50	0.0000	0.99	q	Q					39+ 0	0.0000	0.98	q	Q				
33+55	0.0000	0.99	q	Q					39+ 5	0.0000	0.98	q	Q				
34+ 0	0.0000	0.99	q	Q					39+10	0.0000	0.98	q	Q				
34+ 5	0.0000	0.99	q	Q					39+15	0.0000	0.98	q	Q				
34+10	0.0000	0.99	q	Q					39+20	0.0000	0.98	q	Q				
34+15	0.0000	0.99	q	Q					39+25	0.0000	0.98	q	Q				
34+20	0.0000	0.99	q	Q					39+30	0.0000	0.98	q	Q				
34+25	0.0000	0.99	q	Q					39+35	0.0000	0.98	q	Q				
34+30	0.0000	0.99	q	Q					39+40	0.0000	0.98	q	Q				
34+35	0.0000	0.99	q	Q					39+45	0.0000	0.98	q	Q				
34+40	0.0000	0.99	q	Q					39+50	0.0000	0.98	q	Q				
34+45	0.0000	0.99	q	Q					39+55	0.0000	0.98	q	Q				
34+50	0.0000	0.99	q	Q					40+ 0	0.0000	0.98	q	Q				
34+55	0.0000	0.99	q	Q					40+ 5	0.0000	0.98	q	Q				
35+ 0	0.0000	0.99	q	Q					40+10	0.0000	0.98	q	Q				
35+ 5	0.0000	0.99	q	Q					40+15	0.0000	0.98	q	Q				
35+10	0.0000	0.99	q	Q					40+20	0.0000	0.98	q	Q				
35+15	0.0000	0.99	q	Q					40+25	0.0000	0.98	q	Q				
35+20	0.0000	0.99	q	Q					40+30	0.0000	0.98	q	Q				
35+25	0.0000	0.99	q	Q					40+35	0.0000	0.98	q	Q				
35+30	0.0000	0.99	q	Q					40+40	0.0000	0.98	q	Q				
35+35	0.0000	0.99	q	Q					40+45	0.0000	0.98	q	Q				
35+40	0.0000	0.99	q	Q					40+50	0.0000	0.98	q	Q				
35+45	0.0000	0.99	q	Q					40+55	0.0000	0.98	q	Q				
35+50	0.0000	0.99	q	Q					41+ 0	0.0000	0.98	q	Q				
35+55	0.0000	0.99	q	Q					41+ 5	0.0000	0.98	q	Q				
36+ 0	0.0000	0.99	q	Q					41+10	0.0000	0.98	q	Q				
36+ 5	0.0000	0.99	q	Q					41+15	0.0000	0.98	q	Q				
36+10	0.0000	0.99	q	Q					41+20	0.0000	0.98	q	Q				
36+15	0.0000	0.99	q	Q					41+25	0.0000	0.98	q	Q				
36+20	0.0000	0.99	q	Q					41+30	0.0000	0.98	q	Q				
36+25	0.0000	0.99	q	Q					41+35	0.0000	0.98	q	Q				
36+30	0.0000	0.99	q	Q					41+40	0.0000	0.98	q	Q				
36+35	0.0000	0.99	q	Q					41+45	0.0000	0.98	q	Q				
36+40	0.0000	0.99	q	Q					41+50	0.0000	0.98	q	Q				
36+45	0.0000	0.99	q	Q					41+55	0.0000	0.98	q	Q				
36+50	0.0000	0.99	q	Q					42+ 0	0.0000	0.98	q	Q				
36+55	0.0000	0.99	q	Q					42+ 5	0.0000	0.98	q	Q				
37+ 0	0.0000	0.99	q	Q					42+10	0.0000	0.98	q	Q				
37+ 5	0.0000	0.99	q	Q					42+15	0.0000	0.98	q	Q				
37+10	0.0000	0.99	q	Q					42+20	0.0000	0.98	q	Q				
37+15	0.0000	0.99	q	Q					42+25	0.0000	0.98	q	Q				

42+30	0.0000	0.98	q	Q					47+40	0.0000	0.97	q	Q				
42+35	0.0000	0.98	q	Q					47+45	0.0000	0.97	q	Q				
42+40	0.0000	0.98	q	Q					47+50	0.0000	0.97	q	Q				
42+45	0.0000	0.98	q	Q					47+55	0.0000	0.97	q	Q				
42+50	0.0000	0.98	q	Q					48+ 0	0.0000	0.97	q	Q				
42+55	0.0000	0.98	q	Q					48+ 5	0.0000	0.97	q	Q				
43+ 0	0.0000	0.98	q	Q					48+10	0.0000	0.97	q	Q				
43+ 5	0.0000	0.98	q	Q					48+15	0.0000	0.97	q	Q				
43+10	0.0000	0.98	q	Q					48+20	0.0000	0.97	q	Q				
43+15	0.0000	0.98	q	Q					48+25	0.0000	0.97	q	Q				
43+20	0.0000	0.98	q	Q					48+30	0.0000	0.97	q	Q				
43+25	0.0000	0.98	q	Q					48+35	0.0000	0.97	q	Q				
43+30	0.0000	0.98	q	Q					48+40	0.0000	0.97	q	Q				
43+35	0.0000	0.98	q	Q					48+45	0.0000	0.97	q	Q				
43+40	0.0000	0.98	q	Q					48+50	0.0000	0.97	q	Q				
43+45	0.0000	0.98	q	Q					48+55	0.0000	0.97	q	Q				
43+50	0.0000	0.98	q	Q					49+ 0	0.0000	0.97	q	Q				
43+55	0.0000	0.98	q	Q					49+ 5	0.0000	0.97	q	Q				
44+ 0	0.0000	0.98	q	Q					49+10	0.0000	0.97	q	Q				
44+ 5	0.0000	0.98	q	Q					49+15	0.0000	0.97	q	Q				
44+10	0.0000	0.98	q	Q					49+20	0.0000	0.97	q	Q				
44+15	0.0000	0.98	q	Q					49+25	0.0000	0.97	q	Q				
44+20	0.0000	0.98	q	Q					49+30	0.0000	0.97	q	Q				
44+25	0.0000	0.97	q	Q					49+35	0.0000	0.97	q	Q				
44+30	0.0000	0.97	q	Q					49+40	0.0000	0.97	q	Q				
44+35	0.0000	0.97	q	Q					49+45	0.0000	0.97	q	Q				
44+40	0.0000	0.97	q	Q					49+50	0.0000	0.97	q	Q				
44+45	0.0000	0.97	q	Q					49+55	0.0000	0.96	q	Q				
44+50	0.0000	0.97	q	Q					50+ 0	0.0000	0.96	q	Q				
44+55	0.0000	0.97	q	Q					50+ 5	0.0000	0.96	q	Q				
45+ 0	0.0000	0.97	q	Q					50+10	0.0000	0.96	q	Q				
45+ 5	0.0000	0.97	q	Q					50+15	0.0000	0.96	q	Q				
45+10	0.0000	0.97	q	Q					50+20	0.0000	0.96	q	Q				
45+15	0.0000	0.97	q	Q					50+25	0.0000	0.96	q	Q				
45+20	0.0000	0.97	q	Q					50+30	0.0000	0.96	q	Q				
45+25	0.0000	0.97	q	Q					50+35	0.0000	0.96	q	Q				
45+30	0.0000	0.97	q	Q					50+40	0.0000	0.96	q	Q				
45+35	0.0000	0.97	q	Q					50+45	0.0000	0.96	q	Q				
45+40	0.0000	0.97	q	Q					50+50	0.0000	0.96	q	Q				
45+45	0.0000	0.97	q	Q					50+55	0.0000	0.96	q	Q				
45+50	0.0000	0.97	q	Q					51+ 0	0.0000	0.96	q	Q				
45+55	0.0000	0.97	q	Q					51+ 5	0.0000	0.96	q	Q				
46+ 0	0.0000	0.97	q	Q					51+10	0.0000	0.96	q	Q				
46+ 5	0.0000	0.97	q	Q					51+15	0.0000	0.96	q	Q				
46+10	0.0000	0.97	q	Q					51+20	0.0000	0.96	q	Q				
46+15	0.0000	0.97	q	Q					51+25	0.0000	0.96	q	Q				
46+20	0.0000	0.97	q	Q					51+30	0.0000	0.96	q	Q				
46+25	0.0000	0.97	q	Q					51+35	0.0000	0.96	q	Q				
46+30	0.0000	0.97	q	Q					51+40	0.0000	0.96	q	Q				
46+35	0.0000	0.97	q	Q					51+45	0.0000	0.96	q	Q				
46+40	0.0000	0.97	q	Q					51+50	0.0000	0.96	q	Q				
46+45	0.0000	0.97	q	Q					51+55	0.0000	0.96	q	Q				
46+50	0.0000	0.97	q	Q					52+ 0	0.0000	0.96	q	Q				
46+55	0.0000	0.97	q	Q					52+ 5	0.0000	0.96	q	Q				
47+ 0	0.0000	0.97	q	Q					52+10	0.0000	0.96	q	Q				
47+ 5	0.0000	0.97	q	Q					52+15	0.0000	0.96	q	Q				
47+10	0.0000	0.97	q	Q					52+20	0.0000	0.96	q	Q				
47+15	0.0000	0.97	q	Q					52+25	0.0000	0.96	q	Q				
47+20	0.0000	0.97	q	Q					52+30	0.0000	0.96	q	Q				
47+25	0.0000	0.97	q	Q					52+35	0.0000	0.96	q	Q				
47+30	0.0000	0.97	q	Q					52+40	0.0000	0.96	q	Q				
47+35	0.0000	0.97	q	Q					52+45	0.0000	0.96	q	Q				

52+50	0.0000	0.96	q	Q					58+ 0	0.0000	0.95	q	Q				
52+55	0.0000	0.96	q	Q					58+ 5	0.0000	0.95	q	Q				
53+ 0	0.0000	0.96	q	Q					58+10	0.0000	0.95	q	Q				
53+ 5	0.0000	0.96	q	Q					58+15	0.0000	0.95	q	Q				
53+10	0.0000	0.96	q	Q					58+20	0.0000	0.95	q	Q				
53+15	0.0000	0.96	q	Q					58+25	0.0000	0.95	q	Q				
53+20	0.0000	0.96	q	Q					58+30	0.0000	0.95	q	Q				
53+25	0.0000	0.96	q	Q					58+35	0.0000	0.95	q	Q				
53+30	0.0000	0.96	q	Q					58+40	0.0000	0.95	q	Q				
53+35	0.0000	0.96	q	Q					58+45	0.0000	0.95	q	Q				
53+40	0.0000	0.96	q	Q					58+50	0.0000	0.95	q	Q				
53+45	0.0000	0.96	q	Q					58+55	0.0000	0.95	q	Q				
53+50	0.0000	0.96	q	Q					59+ 0	0.0000	0.95	q	Q				
53+55	0.0000	0.96	q	Q					59+ 5	0.0000	0.95	q	Q				
54+ 0	0.0000	0.96	q	Q					59+10	0.0000	0.95	q	Q				
54+ 5	0.0000	0.96	q	Q					59+15	0.0000	0.95	q	Q				
54+10	0.0000	0.96	q	Q					59+20	0.0000	0.95	q	Q				
54+15	0.0000	0.96	q	Q					59+25	0.0000	0.95	q	Q				
54+20	0.0000	0.96	q	Q					59+30	0.0000	0.95	q	Q				
54+25	0.0000	0.96	q	Q					59+35	0.0000	0.95	q	Q				
54+30	0.0000	0.96	q	Q					59+40	0.0000	0.95	q	Q				
54+35	0.0000	0.96	q	Q					59+45	0.0000	0.95	q	Q				
54+40	0.0000	0.96	q	Q					59+50	0.0000	0.95	q	Q				
54+45	0.0000	0.96	q	Q					59+55	0.0000	0.95	q	Q				
54+50	0.0000	0.96	q	Q					60+ 0	0.0000	0.95	q	Q				
54+55	0.0000	0.96	q	Q					60+ 5	0.0000	0.95	q	Q				
55+ 0	0.0000	0.96	q	Q					60+10	0.0000	0.95	q	Q				
55+ 5	0.0000	0.96	q	Q					60+15	0.0000	0.95	q	Q				
55+10	0.0000	0.96	q	Q					60+20	0.0000	0.94	q	Q				
55+15	0.0000	0.96	q	Q					60+25	0.0000	0.94	q	Q				
55+20	0.0000	0.96	q	Q					60+30	0.0000	0.94	q	Q				
55+25	0.0000	0.96	q	Q					60+35	0.0000	0.94	q	Q				
55+30	0.0000	0.95	q	Q					60+40	0.0000	0.94	q	Q				
55+35	0.0000	0.95	q	Q					60+45	0.0000	0.94	q	Q				
55+40	0.0000	0.95	q	Q					60+50	0.0000	0.94	q	Q				
55+45	0.0000	0.95	q	Q					60+55	0.0000	0.94	q	Q				
55+50	0.0000	0.95	q	Q					61+ 0	0.0000	0.94	q	Q				
55+55	0.0000	0.95	q	Q					61+ 5	0.0000	0.94	q	Q				
56+ 0	0.0000	0.95	q	Q					61+10	0.0000	0.94	q	Q				
56+ 5	0.0000	0.95	q	Q					61+15	0.0000	0.94	q	Q				
56+10	0.0000	0.95	q	Q					61+20	0.0000	0.94	q	Q				
56+15	0.0000	0.95	q	Q					61+25	0.0000	0.94	q	Q				
56+20	0.0000	0.95	q	Q					61+30	0.0000	0.94	q	Q				
56+25	0.0000	0.95	q	Q					61+35	0.0000	0.94	q	Q				
56+30	0.0000	0.95	q	Q					61+40	0.0000	0.94	q	Q				
56+35	0.0000	0.95	q	Q					61+45	0.0000	0.94	q	Q				
56+40	0.0000	0.95	q	Q					61+50	0.0000	0.94	q	Q				
56+45	0.0000	0.95	q	Q					61+55	0.0000	0.94	q	Q				
56+50	0.0000	0.95	q	Q					62+ 0	0.0000	0.94	q	Q				
56+55	0.0000	0.95	q	Q					62+ 5	0.0000	0.94	q	Q				
57+ 0	0.0000	0.95	q	Q					62+10	0.0000	0.94	q	Q				
57+ 5	0.0000	0.95	q	Q					62+15	0.0000	0.94	q	Q				
57+10	0.0000	0.95	q	Q					62+20	0.0000	0.94	q	Q				
57+15	0.0000	0.95	q	Q					62+25	0.0000	0.94	q	Q				
57+20	0.0000	0.95	q	Q					62+30	0.0000	0.94	q	Q				
57+25	0.0000	0.95	q	Q					62+35	0.0000	0.94	q	Q				
57+30	0.0000	0.95	q	Q					62+40	0.0000	0.94	q	Q				
57+35	0.0000	0.95	q	Q					62+45	0.0000	0.94	q	Q				
57+40	0.0000	0.95	q	Q					62+50	0.0000	0.94	q	Q				
57+45	0.0000	0.95	q	Q					62+55	0.0000	0.94	q	Q				
57+50	0.0000	0.95	q	Q					63+ 0	0.0000	0.94	q	Q				
57+55	0.0000	0.95	q	Q					63+ 5	0.0000	0.94	q	Q				

63+10	0.0000	0.94	q	Q					68+20	0.0000	0.93	q	Q				
63+15	0.0000	0.94	q	Q					68+25	0.0000	0.92	q	Q				
63+20	0.0000	0.94	q	Q					68+30	0.0000	0.92	q	Q				
63+25	0.0000	0.94	q	Q					68+35	0.0000	0.92	q	Q				
63+30	0.0000	0.94	q	Q					68+40	0.0000	0.92	q	Q				
63+35	0.0000	0.94	q	Q					68+45	0.0000	0.92	q	Q				
63+40	0.0000	0.94	q	Q					68+50	0.0000	0.92	q	Q				
63+45	0.0000	0.94	q	Q					68+55	0.0000	0.92	q	Q				
63+50	0.0000	0.94	q	Q					69+ 0	0.0000	0.92	q	Q				
63+55	0.0000	0.94	q	Q					69+ 5	0.0000	0.92	q	Q				
64+ 0	0.0000	0.94	q	Q					69+10	0.0000	0.92	q	Q				
64+ 5	0.0000	0.94	q	Q					69+15	0.0000	0.92	q	Q				
64+10	0.0000	0.94	q	Q					69+20	0.0000	0.92	q	Q				
64+15	0.0000	0.94	q	Q					69+25	0.0000	0.92	q	Q				
64+20	0.0000	0.93	q	Q					69+30	0.0000	0.92	q	Q				
64+25	0.0000	0.93	q	Q					69+35	0.0000	0.92	q	Q				
64+30	0.0000	0.93	q	Q					69+40	0.0000	0.92	q	Q				
64+35	0.0000	0.93	q	Q					69+45	0.0000	0.92	q	Q				
64+40	0.0000	0.93	q	Q					69+50	0.0000	0.92	q	Q				
64+45	0.0000	0.93	q	Q					69+55	0.0000	0.92	q	Q				
64+50	0.0000	0.93	q	Q					70+ 0	0.0000	0.92	q	Q				
64+55	0.0000	0.93	q	Q					70+ 5	0.0000	0.92	q	Q				
65+ 0	0.0000	0.93	q	Q					70+10	0.0000	0.92	q	Q				
65+ 5	0.0000	0.93	q	Q					70+15	0.0000	0.92	q	Q				
65+10	0.0000	0.93	q	Q					70+20	0.0000	0.92	q	Q				
65+15	0.0000	0.93	q	Q					70+25	0.0000	0.92	q	Q				
65+20	0.0000	0.93	q	Q					70+30	0.0000	0.92	q	Q				
65+25	0.0000	0.93	q	Q					70+35	0.0000	0.92	q	Q				
65+30	0.0000	0.93	q	Q					70+40	0.0000	0.92	q	Q				
65+35	0.0000	0.93	q	Q					70+45	0.0000	0.92	q	Q				
65+40	0.0000	0.93	q	Q					70+50	0.0000	0.92	q	Q				
65+45	0.0000	0.93	q	Q					70+55	0.0000	0.92	q	Q				
65+50	0.0000	0.93	q	Q					71+ 0	0.0000	0.92	q	Q				
65+55	0.0000	0.93	q	Q					71+ 5	0.0000	0.92	q	Q				
66+ 0	0.0000	0.93	q	Q					71+10	0.0000	0.92	q	Q				
66+ 5	0.0000	0.93	q	Q					71+15	0.0000	0.92	q	Q				
66+10	0.0000	0.93	q	Q					71+20	0.0000	0.92	q	Q				
66+15	0.0000	0.93	q	Q					71+25	0.0000	0.92	q	Q				
66+20	0.0000	0.93	q	Q					71+30	0.0000	0.92	q	Q				
66+25	0.0000	0.93	q	Q					71+35	0.0000	0.92	q	Q				
66+30	0.0000	0.93	q	Q					71+40	0.0000	0.92	q	Q				
66+35	0.0000	0.93	q	Q					71+45	0.0000	0.92	q	Q				
66+40	0.0000	0.93	q	Q					71+50	0.0000	0.92	q	Q				
66+45	0.0000	0.93	q	Q					71+55	0.0000	0.92	q	Q				
66+50	0.0000	0.93	q	Q					72+ 0	0.0000	0.92	q	Q				
66+55	0.0000	0.93	q	Q					72+ 5	0.0000	0.92	q	Q				
67+ 0	0.0000	0.93	q	Q					72+10	0.0000	0.92	q	Q				
67+ 5	0.0000	0.93	q	Q					72+15	0.0000	0.92	q	Q				
67+10	0.0000	0.93	q	Q					72+20	0.0000	0.92	q	Q				
67+15	0.0000	0.93	q	Q					72+25	0.0000	0.92	q	Q				
67+20	0.0000	0.93	q	Q					72+30	0.0000	0.91	q	Q				
67+25	0.0000	0.93	q	Q					72+35	0.0000	0.91	q	Q				
67+30	0.0000	0.93	q	Q					72+40	0.0000	0.91	q	Q				
67+35	0.0000	0.93	q	Q					72+45	0.0000	0.91	q	Q				
67+40	0.0000	0.93	q	Q					72+50	0.0000	0.91	q	Q				
67+45	0.0000	0.93	q	Q					72+55	0.0000	0.91	q	Q				
67+50	0.0000	0.93	q	Q					73+ 0	0.0000	0.91	q	Q				
67+55	0.0000	0.93	q	Q					73+ 5	0.0000	0.91	q	Q				
68+ 0	0.0000	0.93	q	Q					73+10	0.0000	0.91	q	Q				
68+ 5	0.0000	0.93	q	Q					73+15	0.0000	0.91	q	Q				
68+10	0.0000	0.93	q	Q					73+20	0.0000	0.91	q	Q				
68+15	0.0000	0.93	q	Q					73+25	0.0000	0.91	q	Q				

73+30	0.0000	0.91	q	Q					78+40	0.0000	0.90	q	Q				
73+35	0.0000	0.91	q	Q					78+45	0.0000	0.90	q	Q				
73+40	0.0000	0.91	q	Q					78+50	0.0000	0.90	q	Q				
73+45	0.0000	0.91	q	Q					78+55	0.0000	0.90	q	Q				
73+50	0.0000	0.91	q	Q					79+ 0	0.0000	0.90	q	Q				
73+55	0.0000	0.91	q	Q					79+ 5	0.0000	0.90	q	Q				
74+ 0	0.0000	0.91	q	Q					79+10	0.0000	0.90	q	Q				
74+ 5	0.0000	0.91	q	Q					79+15	0.0000	0.90	q	Q				
74+10	0.0000	0.91	q	Q					79+20	0.0000	0.90	q	Q				
74+15	0.0000	0.91	q	Q					79+25	0.0000	0.90	q	Q				
74+20	0.0000	0.91	q	Q					79+30	0.0000	0.90	q	Q				
74+25	0.0000	0.91	q	Q					79+35	0.0000	0.90	q	Q				
74+30	0.0000	0.91	q	Q					79+40	0.0000	0.90	q	Q				
74+35	0.0000	0.91	q	Q					79+45	0.0000	0.90	q	Q				
74+40	0.0000	0.91	q	Q					79+50	0.0000	0.90	q	Q				
74+45	0.0000	0.91	q	Q					79+55	0.0000	0.90	q	Q				
74+50	0.0000	0.91	q	Q					80+ 0	0.0000	0.90	q	Q				
74+55	0.0000	0.91	q	Q					80+ 5	0.0000	0.90	q	Q				
75+ 0	0.0000	0.91	q	Q					80+10	0.0000	0.90	q	Q				
75+ 5	0.0000	0.91	q	Q					80+15	0.0000	0.90	q	Q				
75+10	0.0000	0.91	q	Q					80+20	0.0000	0.90	q	Q				
75+15	0.0000	0.91	q	Q					80+25	0.0000	0.90	q	Q				
75+20	0.0000	0.91	q	Q					80+30	0.0000	0.90	q	Q				
75+25	0.0000	0.91	q	Q					80+35	0.0000	0.90	q	Q				
75+30	0.0000	0.91	q	Q					80+40	0.0000	0.90	q	Q				
75+35	0.0000	0.91	q	Q					80+45	0.0000	0.90	q	Q				
75+40	0.0000	0.91	q	Q					80+50	0.0000	0.90	q	Q				
75+45	0.0000	0.91	q	Q					80+55	0.0000	0.90	q	Q				
75+50	0.0000	0.91	q	Q					81+ 0	0.0000	0.90	q	Q				
75+55	0.0000	0.91	q	Q					81+ 5	0.0000	0.90	q	Q				
76+ 0	0.0000	0.91	q	Q					81+10	0.0000	0.90	q	Q				
76+ 5	0.0000	0.91	q	Q					81+15	0.0000	0.90	q	Q				
76+10	0.0000	0.91	q	Q					81+20	0.0000	0.90	q	Q				
76+15	0.0000	0.91	q	Q					81+25	0.0000	0.90	q	Q				
76+20	0.0000	0.91	q	Q					81+30	0.0000	0.90	q	Q				
76+25	0.0000	0.91	q	Q					81+35	0.0000	0.90	q	Q				
76+30	0.0000	0.91	q	Q					81+40	0.0000	0.90	q	Q				
76+35	0.0000	0.91	q	Q					81+45	0.0000	0.90	q	Q				
76+40	0.0000	0.91	q	Q					81+50	0.0000	0.90	q	Q				
76+45	0.0000	0.91	q	Q					81+55	0.0000	0.90	q	Q				
76+50	0.0000	0.91	q	Q					82+ 0	0.0000	0.90	q	Q				
76+55	0.0000	0.91	q	Q					82+ 5	0.0000	0.90	q	Q				
77+ 0	0.0000	0.91	q	Q					82+10	0.0000	0.90	q	Q				
77+ 5	0.0000	0.91	q	Q					82+15	0.0000	0.90	q	Q				
77+10	0.0000	0.90	q	Q					82+20	0.0000	0.89	q	Q				
77+15	0.0000	0.90	q	Q					82+25	0.0000	0.89	q	Q				
77+20	0.0000	0.90	q	Q					82+30	0.0000	0.89	q	Q				
77+25	0.0000	0.90	q	Q					82+35	0.0000	0.89	q	Q				
77+30	0.0000	0.90	q	Q					82+40	0.0000	0.89	q	Q				
77+35	0.0000	0.90	q	Q					82+45	0.0000	0.89	q	Q				
77+40	0.0000	0.90	q	Q					82+50	0.0000	0.89	q	Q				
77+45	0.0000	0.90	q	Q					82+55	0.0000	0.89	q	Q				
77+50	0.0000	0.90	q	Q					83+ 0	0.0000	0.89	q	Q				
77+55	0.0000	0.90	q	Q					83+ 5	0.0000	0.89	q	Q				
78+ 0	0.0000	0.90	q	Q					83+10	0.0000	0.89	q	Q				
78+ 5	0.0000	0.90	q	Q					83+15	0.0000	0.89	q	Q				
78+10	0.0000	0.90	q	Q					83+20	0.0000	0.89	q	Q				
78+15	0.0000	0.90	q	Q					83+25	0.0000	0.89	q	Q				
78+20	0.0000	0.90	q	Q					83+30	0.0000	0.89	q	Q				
78+25	0.0000	0.90	q	Q					83+35	0.0000	0.89	q	Q				
78+30	0.0000	0.90	q	Q					83+40	0.0000	0.89	q	Q				
78+35	0.0000	0.90	q	Q					83+45	0.0000	0.89	q	Q				

83+50	0.0000	0.89	q	Q					89+ 0	0.0000	0.88	q	Q				
83+55	0.0000	0.89	q	Q					89+ 5	0.0000	0.88	q	Q				
84+ 0	0.0000	0.89	q	Q					89+10	0.0000	0.88	q	Q				
84+ 5	0.0000	0.89	q	Q					89+15	0.0000	0.88	q	Q				
84+10	0.0000	0.89	q	Q					89+20	0.0000	0.88	q	Q				
84+15	0.0000	0.89	q	Q					89+25	0.0000	0.88	q	Q				
84+20	0.0000	0.89	q	Q					89+30	0.0000	0.88	q	Q				
84+25	0.0000	0.89	q	Q					89+35	0.0000	0.88	q	Q				
84+30	0.0000	0.89	q	Q					89+40	0.0000	0.88	q	Q				
84+35	0.0000	0.89	q	Q					89+45	0.0000	0.88	q	Q				
84+40	0.0000	0.89	q	Q					89+50	0.0000	0.88	q	Q				
84+45	0.0000	0.89	q	Q					89+55	0.0000	0.88	q	Q				
84+50	0.0000	0.89	q	Q					90+ 0	0.0000	0.88	q	Q				
84+55	0.0000	0.89	q	Q					90+ 5	0.0000	0.88	q	Q				
85+ 0	0.0000	0.89	q	Q					90+10	0.0000	0.88	q	Q				
85+ 5	0.0000	0.89	q	Q					90+15	0.0000	0.88	q	Q				
85+10	0.0000	0.89	q	Q					90+20	0.0000	0.88	q	Q				
85+15	0.0000	0.89	q	Q					90+25	0.0000	0.88	q	Q				
85+20	0.0000	0.89	q	Q					90+30	0.0000	0.88	q	Q				
85+25	0.0000	0.89	q	Q					90+35	0.0000	0.88	q	Q				
85+30	0.0000	0.89	q	Q					90+40	0.0000	0.88	q	Q				
85+35	0.0000	0.89	q	Q					90+45	0.0000	0.88	q	Q				
85+40	0.0000	0.89	q	Q					90+50	0.0000	0.88	q	Q				
85+45	0.0000	0.89	q	Q					90+55	0.0000	0.88	q	Q				
85+50	0.0000	0.89	q	Q					91+ 0	0.0000	0.88	q	Q				
85+55	0.0000	0.89	q	Q					91+ 5	0.0000	0.88	q	Q				
86+ 0	0.0000	0.89	q	Q					91+10	0.0000	0.88	q	Q				
86+ 5	0.0000	0.89	q	Q					91+15	0.0000	0.88	q	Q				
86+10	0.0000	0.89	q	Q					91+20	0.0000	0.88	q	Q				
86+15	0.0000	0.89	q	Q					91+25	0.0000	0.88	q	Q				
86+20	0.0000	0.89	q	Q					91+30	0.0000	0.88	q	Q				
86+25	0.0000	0.89	q	Q					91+35	0.0000	0.88	q	Q				
86+30	0.0000	0.89	q	Q					91+40	0.0000	0.88	q	Q				
86+35	0.0000	0.89	q	Q					91+45	0.0000	0.88	q	Q				
86+40	0.0000	0.89	q	Q					91+50	0.0000	0.88	q	Q				
86+45	0.0000	0.89	q	Q					91+55	0.0000	0.88	q	Q				
86+50	0.0000	0.89	q	Q					92+ 0	0.0000	0.88	q	Q				
86+55	0.0000	0.89	q	Q					92+ 5	0.0000	0.87	q	Q				
87+ 0	0.0000	0.89	q	Q					92+10	0.0000	0.87	q	Q				
87+ 5	0.0000	0.89	q	Q					92+15	0.0000	0.87	q	Q				
87+10	0.0000	0.89	q	Q					92+20	0.0000	0.87	q	Q				
87+15	0.0000	0.89	q	Q					92+25	0.0000	0.87	q	Q				
87+20	0.0000	0.89	q	Q					92+30	0.0000	0.87	q	Q				
87+25	0.0000	0.89	q	Q					92+35	0.0000	0.87	q	Q				
87+30	0.0000	0.89	q	Q					92+40	0.0000	0.87	q	Q				
87+35	0.0000	0.88	q	Q					92+45	0.0000	0.87	q	Q				
87+40	0.0000	0.88	q	Q					92+50	0.0000	0.87	q	Q				
87+45	0.0000	0.88	q	Q					92+55	0.0000	0.87	q	Q				
87+50	0.0000	0.88	q	Q					93+ 0	0.0000	0.87	q	Q				
87+55	0.0000	0.88	q	Q					93+ 5	0.0000	0.87	q	Q				
88+ 0	0.0000	0.88	q	Q					93+10	0.0000	0.87	q	Q				
88+ 5	0.0000	0.88	q	Q					93+15	0.0000	0.87	q	Q				
88+10	0.0000	0.88	q	Q					93+20	0.0000	0.87	q	Q				
88+15	0.0000	0.88	q	Q					93+25	0.0000	0.87	q	Q				
88+20	0.0000	0.88	q	Q					93+30	0.0000	0.87	q	Q				
88+25	0.0000	0.88	q	Q					93+35	0.0000	0.87	q	Q				
88+30	0.0000	0.88	q	Q					93+40	0.0000	0.87	q	Q				
88+35	0.0000	0.88	q	Q					93+45	0.0000	0.87	q	Q				
88+40	0.0000	0.88	q	Q					93+50	0.0000	0.87	q	Q				
88+45	0.0000	0.88	q	Q					93+55	0.0000	0.87	q	Q				
88+50	0.0000	0.88	q	Q					94+ 0	0.0000	0.87	q	Q				
88+55	0.0000	0.88	q	Q					94+ 5	0.0000	0.87	q	Q				

94+10	0.0000	0.87	q	Q					99+20	0.0000	0.86	q	Q				
94+15	0.0000	0.87	q	Q					99+25	0.0000	0.86	q	Q				
94+20	0.0000	0.87	q	Q					99+30	0.0000	0.86	q	Q				
94+25	0.0000	0.87	q	Q					99+35	0.0000	0.85	q	Q				
94+30	0.0000	0.87	q	Q					99+40	0.0000	0.85	q	Q				
94+35	0.0000	0.87	q	Q					99+45	0.0000	0.85	q	Q				
94+40	0.0000	0.87	q	Q					99+50	0.0000	0.85	q	Q				
94+45	0.0000	0.87	q	Q					99+55	0.0000	0.85	q	Q				
94+50	0.0000	0.87	q	Q					100+ 0	0.0000	0.85	q	Q				
94+55	0.0000	0.87	q	Q					100+ 5	0.0000	0.85	q	Q				
95+ 0	0.0000	0.87	q	Q					100+10	0.0000	0.85	q	Q				
95+ 5	0.0000	0.87	q	Q					100+15	0.0000	0.85	q	Q				
95+10	0.0000	0.87	q	Q					100+20	0.0000	0.85	q	Q				
95+15	0.0000	0.87	q	Q					100+25	0.0000	0.85	q	Q				
95+20	0.0000	0.87	q	Q					100+30	0.0000	0.85	q	Q				
95+25	0.0000	0.87	q	Q					100+35	0.0000	0.85	q	Q				
95+30	0.0000	0.87	q	Q					100+40	0.0000	0.85	q	Q				
95+35	0.0000	0.87	q	Q					100+45	0.0000	0.85	q	Q				
95+40	0.0000	0.87	q	Q					100+50	0.0000	0.85	q	Q				
95+45	0.0000	0.86	q	Q					100+55	0.0000	0.85	q	Q				
95+50	0.0000	0.86	q	Q					101+ 0	0.0000	0.85	q	Q				
95+55	0.0000	0.86	q	Q					101+ 5	0.0000	0.85	q	Q				
96+ 0	0.0000	0.86	q	Q					101+10	0.0000	0.85	q	Q				
96+ 5	0.0000	0.86	q	Q					101+15	0.0000	0.85	q	Q				
96+10	0.0000	0.86	q	Q					101+20	0.0000	0.85	q	Q				
96+15	0.0000	0.86	q	Q					101+25	0.0000	0.85	q	Q				
96+20	0.0000	0.86	q	Q					101+30	0.0000	0.85	q	Q				
96+25	0.0000	0.86	q	Q					101+35	0.0000	0.85	q	Q				
96+30	0.0000	0.86	q	Q					101+40	0.0000	0.85	q	Q				
96+35	0.0000	0.86	q	Q					101+45	0.0000	0.85	q	Q				
96+40	0.0000	0.86	q	Q					101+50	0.0000	0.85	q	Q				
96+45	0.0000	0.86	q	Q					101+55	0.0000	0.85	q	Q				
96+50	0.0000	0.86	q	Q					102+ 0	0.0000	0.85	q	Q				
96+55	0.0000	0.86	q	Q					102+ 5	0.0000	0.85	q	Q				
97+ 0	0.0000	0.86	q	Q					102+10	0.0000	0.85	q	Q				
97+ 5	0.0000	0.86	q	Q					102+15	0.0000	0.85	q	Q				
97+10	0.0000	0.86	q	Q					102+20	0.0000	0.85	q	Q				
97+15	0.0000	0.86	q	Q					102+25	0.0000	0.85	q	Q				
97+20	0.0000	0.86	q	Q					102+30	0.0000	0.85	q	Q				
97+25	0.0000	0.86	q	Q					102+35	0.0000	0.85	q	Q				
97+30	0.0000	0.86	q	Q					102+40	0.0000	0.85	q	Q				
97+35	0.0000	0.86	q	Q					102+45	0.0000	0.85	q	Q				
97+40	0.0000	0.86	q	Q					102+50	0.0000	0.85	q	Q				
97+45	0.0000	0.86	q	Q					102+55	0.0000	0.85	q	Q				
97+50	0.0000	0.86	q	Q					103+ 0	0.0000	0.85	q	Q				
97+55	0.0000	0.86	q	Q					103+ 5	0.0000	0.85	q	Q				
98+ 0	0.0000	0.86	q	Q					103+10	0.0000	0.85	q	Q				
98+ 5	0.0000	0.86	q	Q					103+15	0.0000	0.85	q	Q				
98+10	0.0000	0.86	q	Q					103+20	0.0000	0.85	q	Q				
98+15	0.0000	0.86	q	Q					103+25	0.0000	0.84	q	Q				
98+20	0.0000	0.86	q	Q					103+30	0.0000	0.84	q	Q				
98+25	0.0000	0.86	q	Q					103+35	0.0000	0.84	q	Q				
98+30	0.0000	0.86	q	Q					103+40	0.0000	0.84	q	Q				
98+35	0.0000	0.86	q	Q					103+45	0.0000	0.84	q	Q				
98+40	0.0000	0.86	q	Q					103+50	0.0000	0.84	q	Q				
98+45	0.0000	0.86	q	Q					103+55	0.0000	0.84	q	Q				
98+50	0.0000	0.86	q	Q					104+ 0	0.0000	0.84	q	Q				
98+55	0.0000	0.86	q	Q					104+ 5	0.0000	0.84	q	Q				
99+ 0	0.0000	0.86	q	Q					104+10	0.0000	0.84	q	Q				
99+ 5	0.0000	0.86	q	Q					104+15	0.0000	0.84	q	Q				
99+10	0.0000	0.86	q	Q					104+20	0.0000	0.84	q	Q				
99+15	0.0000	0.86	q	Q					104+25	0.0000	0.84	q	Q				

104+30	0.0000	0.84	q	Q					109+40	0.0000	0.82	q	Q				
104+35	0.0000	0.84	q	Q					109+45	0.0000	0.82	q	Q				
104+40	0.0000	0.84	q	Q					109+50	0.0000	0.82	q	Q				
104+45	0.0000	0.84	q	Q					109+55	0.0000	0.81	q	Q				
104+50	0.0000	0.84	q	Q					110+ 0	0.0000	0.81	q	Q				
104+55	0.0000	0.84	q	Q					110+ 5	0.0000	0.81	q	Q				
105+ 0	0.0000	0.84	q	Q					110+10	0.0000	0.81	q	Q				
105+ 5	0.0000	0.84	q	Q					110+15	0.0000	0.81	q	Q				
105+10	0.0000	0.84	q	Q					110+20	0.0000	0.81	q	Q				
105+15	0.0000	0.84	q	Q					110+25	0.0000	0.81	q	Q				
105+20	0.0000	0.84	q	Q					110+30	0.0000	0.81	q	Q				
105+25	0.0000	0.84	q	Q					110+35	0.0000	0.81	q	Q				
105+30	0.0000	0.84	q	Q					110+40	0.0000	0.81	q	Q				
105+35	0.0000	0.84	q	Q					110+45	0.0000	0.81	q	Q				
105+40	0.0000	0.84	q	Q					110+50	0.0000	0.81	q	Q				
105+45	0.0000	0.84	q	Q					110+55	0.0000	0.81	q	Q				
105+50	0.0000	0.84	q	Q					111+ 0	0.0000	0.81	q	Q				
105+55	0.0000	0.84	q	Q					111+ 5	0.0000	0.81	q	Q				
106+ 0	0.0000	0.84	q	Q					111+10	0.0000	0.81	q	Q				
106+ 5	0.0000	0.84	q	Q					111+15	0.0000	0.81	q	Q				
106+10	0.0000	0.84	q	Q					111+20	0.0000	0.81	q	Q				
106+15	0.0000	0.83	q	Q					111+25	0.0000	0.81	q	Q				
106+20	0.0000	0.83	q	Q					111+30	0.0000	0.81	q	Q				
106+25	0.0000	0.83	q	Q					111+35	0.0000	0.81	q	Q				
106+30	0.0000	0.83	q	Q					111+40	0.0000	0.81	q	Q				
106+35	0.0000	0.83	q	Q					111+45	0.0000	0.80	q	Q				
106+40	0.0000	0.83	q	Q					111+50	0.0000	0.80	q	Q				
106+45	0.0000	0.83	q	Q					111+55	0.0000	0.80	q	Q				
106+50	0.0000	0.83	q	Q					112+ 0	0.0000	0.80	q	Q				
106+55	0.0000	0.83	q	Q					112+ 5	0.0000	0.80	q	Q				
107+ 0	0.0000	0.83	q	Q					112+10	0.0000	0.80	q	Q				
107+ 5	0.0000	0.83	q	Q					112+15	0.0000	0.80	q	Q				
107+10	0.0000	0.83	q	Q					112+20	0.0000	0.80	q	Q				
107+15	0.0000	0.83	q	Q					112+25	0.0000	0.80	q	Q				
107+20	0.0000	0.83	q	Q					112+30	0.0000	0.80	q	Q				
107+25	0.0000	0.83	q	Q					112+35	0.0000	0.80	q	Q				
107+30	0.0000	0.83	q	Q					112+40	0.0000	0.80	q	Q				
107+35	0.0000	0.83	q	Q					112+45	0.0000	0.80	q	Q				
107+40	0.0000	0.83	q	Q					112+50	0.0000	0.80	q	Q				
107+45	0.0000	0.83	q	Q					112+55	0.0000	0.80	q	Q				
107+50	0.0000	0.83	q	Q					113+ 0	0.0000	0.80	q	Q				
107+55	0.0000	0.83	q	Q					113+ 5	0.0000	0.80	q	Q				
108+ 0	0.0000	0.83	q	Q					113+10	0.0000	0.80	q	Q				
108+ 5	0.0000	0.82	q	Q					113+15	0.0000	0.80	q	Q				
108+10	0.0000	0.82	q	Q					113+20	0.0000	0.80	q	Q				
108+15	0.0000	0.82	q	Q					113+25	0.0000	0.80	q	Q				
108+20	0.0000	0.82	q	Q					113+30	0.0000	0.80	q	Q				
108+25	0.0000	0.82	q	Q					113+35	0.0000	0.80	q	Q				
108+30	0.0000	0.82	q	Q					113+40	0.0000	0.79	q	Q				
108+35	0.0000	0.82	q	Q					113+45	0.0000	0.79	q	Q				
108+40	0.0000	0.82	q	Q					113+50	0.0000	0.79	q	Q				
108+45	0.0000	0.82	q	Q					113+55	0.0000	0.79	q	Q				
108+50	0.0000	0.82	q	Q					114+ 0	0.0000	0.79	q	Q				
108+55	0.0000	0.82	q	Q					114+ 5	0.0000	0.79	q	Q				
109+ 0	0.0000	0.82	q	Q					114+10	0.0000	0.79	q	Q				
109+ 5	0.0000	0.82	q	Q					114+15	0.0000	0.79	q	Q				
109+10	0.0000	0.82	q	Q					114+20	0.0000	0.79	q	Q				
109+15	0.0000	0.82	q	Q					114+25	0.0000	0.79	q	Q				
109+20	0.0000	0.82	q	Q					114+30	0.0000	0.79	q	Q				
109+25	0.0000	0.82	q	Q					114+35	0.0000	0.79	q	Q				
109+30	0.0000	0.82	q	Q					114+40	0.0000	0.79	q	Q				
109+35	0.0000	0.82	q	Q					114+45	0.0000	0.79	q	Q				

114+50	0.0000	0.79	q	Q					120+ 0	0.0000	0.76	q	Q				
114+55	0.0000	0.79	q	Q					120+ 5	0.0000	0.76	q	Q				
115+ 0	0.0000	0.79	q	Q					120+10	0.0000	0.76	q	Q				
115+ 5	0.0000	0.79	q	Q					120+15	0.0000	0.76	q	Q				
115+10	0.0000	0.79	q	Q					120+20	0.0000	0.76	q	Q				
115+15	0.0000	0.79	q	Q					120+25	0.0000	0.76	q	Q				
115+20	0.0000	0.79	q	Q					120+30	0.0000	0.76	q	Q				
115+25	0.0000	0.79	q	Q					120+35	0.0000	0.76	q	Q				
115+30	0.0000	0.79	q	Q					120+40	0.0000	0.76	q	Q				
115+35	0.0000	0.78	q	Q					120+45	0.0000	0.76	q	Q				
115+40	0.0000	0.78	q	Q					120+50	0.0000	0.76	q	Q				
115+45	0.0000	0.78	q	Q					120+55	0.0000	0.76	q	Q				
115+50	0.0000	0.78	q	Q					121+ 0	0.0000	0.76	q	Q				
115+55	0.0000	0.78	q	Q					121+ 5	0.0000	0.76	q	Q				
116+ 0	0.0000	0.78	q	Q					121+10	0.0000	0.76	q	Q				
116+ 5	0.0000	0.78	q	Q					121+15	0.0000	0.76	q	Q				
116+10	0.0000	0.78	q	Q					121+20	0.0000	0.76	q	Q				
116+15	0.0000	0.78	q	Q					121+25	0.0000	0.76	q	Q				
116+20	0.0000	0.78	q	Q					121+30	0.0000	0.76	q	Q				
116+25	0.0000	0.78	q	Q					121+35	0.0000	0.76	q	Q				
116+30	0.0000	0.78	q	Q					121+40	0.0000	0.76	q	Q				
116+35	0.0000	0.78	q	Q					121+45	0.0000	0.76	q	Q				
116+40	0.0000	0.78	q	Q					121+50	0.0000	0.76	q	Q				
116+45	0.0000	0.78	q	Q					121+55	0.0000	0.76	q	Q				
116+50	0.0000	0.78	q	Q					122+ 0	0.0000	0.75	q	Q				
116+55	0.0000	0.78	q	Q					122+ 5	0.0000	0.75	q	Q				
117+ 0	0.0000	0.78	q	Q					122+10	0.0000	0.75	q	Q				
117+ 5	0.0000	0.78	q	Q					122+15	0.0000	0.75	q	Q				
117+10	0.0000	0.78	q	Q					122+20	0.0000	0.75	q	Q				
117+15	0.0000	0.78	q	Q					122+25	0.0000	0.75	q	Q				
117+20	0.0000	0.78	q	Q					122+30	0.0000	0.75	q	Q				
117+25	0.0000	0.78	q	Q					122+35	0.0000	0.75	q	Q				
117+30	0.0000	0.77	q	Q					122+40	0.0000	0.75	q	Q				
117+35	0.0000	0.77	q	Q					122+45	0.0000	0.75	q	Q				
117+40	0.0000	0.77	q	Q					122+50	0.0000	0.75	q	Q				
117+45	0.0000	0.77	q	Q					122+55	0.0000	0.75	q	Q				
117+50	0.0000	0.77	q	Q					123+ 0	0.0000	0.75	q	Q				
117+55	0.0000	0.77	q	Q					123+ 5	0.0000	0.75	q	Q				
118+ 0	0.0000	0.77	q	Q					123+10	0.0000	0.75	q	Q				
118+ 5	0.0000	0.77	q	Q					123+15	0.0000	0.75	q	Q				
118+10	0.0000	0.77	q	Q					123+20	0.0000	0.75	q	Q				
118+15	0.0000	0.77	q	Q					123+25	0.0000	0.75	q	Q				
118+20	0.0000	0.77	q	Q					123+30	0.0000	0.75	q	Q				
118+25	0.0000	0.77	q	Q					123+35	0.0000	0.75	q	Q				
118+30	0.0000	0.77	q	Q					123+40	0.0000	0.75	q	Q				
118+35	0.0000	0.77	q	Q					123+45	0.0000	0.75	q	Q				
118+40	0.0000	0.77	q	Q					123+50	0.0000	0.75	q	Q				
118+45	0.0000	0.77	q	Q					123+55	0.0000	0.75	q	Q				
118+50	0.0000	0.77	q	Q					124+ 0	0.0000	0.75	q	Q				
118+55	0.0000	0.77	q	Q					124+ 5	0.0000	0.75	q	Q				
119+ 0	0.0000	0.77	q	Q					124+10	0.0000	0.75	q	Q				
119+ 5	0.0000	0.77	q	Q					124+15	0.0000	0.75	q	Q				
119+10	0.0000	0.77	q	Q					124+20	0.0000	0.75	q	Q				
119+15	0.0000	0.77	q	Q					124+25	0.0000	0.75	q	Q				
119+20	0.0000	0.77	q	Q					124+30	0.0000	0.75	q	Q				
119+25	0.0000	0.77	q	Q					124+35	0.0000	0.75	q	Q				
119+30	0.0000	0.76	q	Q					124+40	0.0000	0.75	q	Q				
119+35	0.0000	0.76	q	Q					124+45	0.0000	0.75	q	Q				
119+40	0.0000	0.76	q	Q					124+50	0.0000	0.75	q	Q				
119+45	0.0000	0.76	q	Q					124+55	0.0000	0.75	q	Q				
119+50	0.0000	0.76	q	Q					125+ 0	0.0000	0.74	q	Q				
119+55	0.0000	0.76	q	Q					125+ 5	0.0000	0.74	q	Q				

125+10	0.0000	0.74	q	Q					130+20	0.0000	0.73	q	Q				
125+15	0.0000	0.74	q	Q					130+25	0.0000	0.73	q	Q				
125+20	0.0000	0.74	q	Q					130+30	0.0000	0.73	q	Q				
125+25	0.0000	0.74	q	Q					130+35	0.0000	0.73	q	Q				
125+30	0.0000	0.74	q	Q					130+40	0.0000	0.73	q	Q				
125+35	0.0000	0.74	q	Q					130+45	0.0000	0.73	q	Q				
125+40	0.0000	0.74	q	Q					130+50	0.0000	0.73	q	Q				
125+45	0.0000	0.74	q	Q					130+55	0.0000	0.73	q	Q				
125+50	0.0000	0.74	q	Q					131+ 0	0.0000	0.73	q	Q				
125+55	0.0000	0.74	q	Q					131+ 5	0.0000	0.72	q	Q				
126+ 0	0.0000	0.74	q	Q					131+10	0.0000	0.72	q	Q				
126+ 5	0.0000	0.74	q	Q					131+15	0.0000	0.72	q	Q				
126+10	0.0000	0.74	q	Q					131+20	0.0000	0.72	q	Q				
126+15	0.0000	0.74	q	Q					131+25	0.0000	0.72	q	Q				
126+20	0.0000	0.74	q	Q					131+30	0.0000	0.72	q	Q				
126+25	0.0000	0.74	q	Q					131+35	0.0000	0.72	q	Q				
126+30	0.0000	0.74	q	Q					131+40	0.0000	0.72	q	Q				
126+35	0.0000	0.74	q	Q					131+45	0.0000	0.72	q	Q				
126+40	0.0000	0.74	q	Q					131+50	0.0000	0.72	q	Q				
126+45	0.0000	0.74	q	Q					131+55	0.0000	0.72	q	Q				
126+50	0.0000	0.74	q	Q					132+ 0	0.0000	0.72	q	Q				
126+55	0.0000	0.74	q	Q					132+ 5	0.0000	0.72	q	Q				
127+ 0	0.0000	0.74	q	Q					132+10	0.0000	0.72	q	Q				
127+ 5	0.0000	0.74	q	Q					132+15	0.0000	0.72	q	Q				
127+10	0.0000	0.74	q	Q					132+20	0.0000	0.72	q	Q				
127+15	0.0000	0.74	q	Q					132+25	0.0000	0.72	q	Q				
127+20	0.0000	0.74	q	Q					132+30	0.0000	0.72	q	Q				
127+25	0.0000	0.74	q	Q					132+35	0.0000	0.72	q	Q				
127+30	0.0000	0.74	q	Q					132+40	0.0000	0.72	q	Q				
127+35	0.0000	0.74	q	Q					132+45	0.0000	0.72	q	Q				
127+40	0.0000	0.74	q	Q					132+50	0.0000	0.72	q	Q				
127+45	0.0000	0.74	q	Q					132+55	0.0000	0.72	q	Q				
127+50	0.0000	0.74	q	Q					133+ 0	0.0000	0.72	q	Q				
127+55	0.0000	0.74	q	Q					133+ 5	0.0000	0.72	q	Q				
128+ 0	0.0000	0.73	q	Q					133+10	0.0000	0.72	q	Q				
128+ 5	0.0000	0.73	q	Q					133+15	0.0000	0.72	q	Q				
128+10	0.0000	0.73	q	Q					133+20	0.0000	0.72	q	Q				
128+15	0.0000	0.73	q	Q					133+25	0.0000	0.72	q	Q				
128+20	0.0000	0.73	q	Q					133+30	0.0000	0.72	q	Q				
128+25	0.0000	0.73	q	Q					133+35	0.0000	0.72	q	Q				
128+30	0.0000	0.73	q	Q					133+40	0.0000	0.72	q	Q				
128+35	0.0000	0.73	q	Q					133+45	0.0000	0.72	q	Q				
128+40	0.0000	0.73	q	Q					133+50	0.0000	0.72	q	Q				
128+45	0.0000	0.73	q	Q					133+55	0.0000	0.72	q	Q				
128+50	0.0000	0.73	q	Q					134+ 0	0.0000	0.72	q	Q				
128+55	0.0000	0.73	q	Q					134+ 5	0.0000	0.72	q	Q				
129+ 0	0.0000	0.73	q	Q					134+10	0.0000	0.72	q	Q				
129+ 5	0.0000	0.73	q	Q					134+15	0.0000	0.71	q	Q				
129+10	0.0000	0.73	q	Q					134+20	0.0000	0.71	q	Q				
129+15	0.0000	0.73	q	Q					134+25	0.0000	0.71	q	Q				
129+20	0.0000	0.73	q	Q					134+30	0.0000	0.71	q	Q				
129+25	0.0000	0.73	q	Q					134+35	0.0000	0.71	q	Q				
129+30	0.0000	0.73	q	Q					134+40	0.0000	0.71	q	Q				
129+35	0.0000	0.73	q	Q					134+45	0.0000	0.71	q	Q				
129+40	0.0000	0.73	q	Q					134+50	0.0000	0.71	q	Q				
129+45	0.0000	0.73	q	Q					134+55	0.0000	0.71	q	Q				
129+50	0.0000	0.73	q	Q					135+ 0	0.0000	0.71	q	Q				
129+55	0.0000	0.73	q	Q					135+ 5	0.0000	0.71	q	Q				
130+ 0	0.0000	0.73	q	Q					135+10	0.0000	0.71	q	Q				
130+ 5	0.0000	0.73	q	Q					135+15	0.0000	0.71	q	Q				
130+10	0.0000	0.73	q	Q					135+20	0.0000	0.71	q	Q				
130+15	0.0000	0.73	q	Q					135+25	0.0000	0.71	q	Q				

```
 135+30       0.0000      0.71  q Q       |         |         |         |
 135+35       0.0000      0.71  q Q       |         |         |         |
 135+40       0.0000      0.71  q Q       |         |         |         |
 135+45       0.0000      0.71  q Q       |         |         |         |
 135+50       0.0000      0.71  q Q       |         |         |         |
 135+55       0.0000      0.71  q Q       |         |         |         |
 136+ 0       0.0000      0.71  q Q       |         |         |         |
 136+ 5       0.0000      0.71  q Q       |         |         |         |
 136+10       0.0000      0.71  q Q       |         |         |         |
 136+15       0.0000      0.71  q Q       |         |         |         |
 136+20       0.0000      0.71  q Q       |         |         |         |
 136+25       0.0000      0.71  q Q       |         |         |         |
 136+30       0.0000      0.71  q Q       |         |         |         |
 136+35       0.0000      0.71  q Q       |         |         |         |
 136+40       0.0000      0.71  q Q       |         |         |         |
 136+45       0.0000      0.71  q Q       |         |         |         |
 136+50       0.0000      0.71  q Q       |         |         |         |
 136+55       0.0000      0.71  q Q       |         |         |         |
 137+ 0       0.0000      0.71  q Q       |         |         |         |
 137+ 5       0.0000      0.71  q Q       |         |         |         |
 137+10       0.0000      0.71  q Q       |         |         |         |
 137+15       0.0000      0.71  qQ        |         |         |         |
 137+20       0.0000      0.71  qQ        |         |         |         |
 137+25       0.0000      0.71  qQ        |         |         |         |
 137+30       0.0000      0.71  qQ        |         |         |         |
 137+35       0.0000      0.71  qQ        |         |         |         |
 137+40       0.0000      0.70  qQ        |         |         |         |
 137+45       0.0000      0.70  qQ        |         |         |         |
 137+50       0.0000      0.70  qQ        |         |         |         |
 137+55       0.0000      0.70  qQ        |         |         |         |
 138+ 0       0.0000      0.70  qQ        |         |         |         |
 138+ 5       0.0000      0.70  qQ        |         |         |         |
 138+10       0.0000      0.70  qQ        |         |         |         |
 138+15       0.0000      0.70  qQ        |         |         |         |
 138+20       0.0000      0.70  qQ        |         |         |         |
 138+25       0.0000      0.70  qQ        |         |         |         |
 138+30       0.0000      0.70  qQ        |         |         |         |
 138+35       0.0000      0.70  qQ        |         |         |         |
 138+40       0.0000      0.70  qQ        |         |         |         |
 138+45       0.0000      0.70  qQ        |         |         |         |
 138+50       0.0000      0.70  qQ        |         |         |         |
 138+55       0.0000      0.70  qQ        |         |         |         |
 139+ 0       0.0000      0.70  qQ        |         |         |         |
 139+ 5       0.0000      0.70  qQ        |         |         |         |
 139+10       0.0000      0.70  qQ        |         |         |         |
 139+15       0.0000      0.70  qQ        |         |         |         |
 139+20       0.0000      0.70  qQ        |         |         |         |
 139+25       0.0000      0.70  qQ        |         |         |         |
 139+30       0.0000      0.70  qQ        |         |         |         |
 139+35       0.0000      0.70  qQ        |         |         |         |
 139+40       0.0000      0.70  qQ        |         |         |         |
 139+45       0.0000      0.70  qQ        |         |         |         |
 139+50       0.0000      0.70  qQ        |         |         |         |
 139+55       0.0000      0.70  qQ        |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  5002
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       14.123 (CFS)
                    Total volume =      16.649 (Ac.Ft)
              Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.200 to Point/Station        4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
_______________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 2 with
a starting time of   0.00 hours and ending time of   3.00 hours
With a total volume of       0.38(Ac.Ft)
****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
              Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000    12.044     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.384     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.200 to Point/Station        4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
_______________________________________________________________________________
Current stream hydrograph deleted by user.
****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
              Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000    12.044     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.384     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.390 to Point/Station        4.400
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
_______________________________________________________________________________
********************* HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP4C1003100.rte
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                  P R I N T   O F   S T O R M
               R u n o f f     H y d r o g r a p h
-------------------------------------------------------------------
           Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------
```

Time(h+m)	Add q(CFS)	Tot. Q	0	2.9	5.9	8.8	11.8
0+ 5	0.1554	0.16	Q				
0+10	0.4502	0.45	Q				
0+15	0.4214	0.42	Q				
0+20	0.4561	0.46	Q				
0+25	0.8056	0.81	Q				
0+30	1.0453	1.05	Q				
0+35	1.2049	1.20	Q				
0+40	1.1383	1.14	Q				
0+45	1.3876	1.39	Q				
0+50	1.2879	1.29	Q				
0+55	1.0468	1.05	Q				
1+ 0	1.1908	1.19	Q				
1+ 5	1.6150	1.61	Q				
1+10	2.0661	2.07	Q				
1+15	2.1713	2.17	Q				
1+20	2.0887	2.09	Q				
1+25	2.2140	2.21	Q				
1+30	2.8287	2.83	Q				
1+35	2.8994	2.90	Q				
1+40	2.8055	2.81	Q				
1+45	3.3765	3.38	Q				
1+50	3.9341	3.93	Q				
1+55	3.7739	3.77	Q				
2+ 0	3.6143	3.61	Q				
2+ 5	3.7238	3.72	Q				
2+10	4.4216	4.42	Q				
2+15	5.9875	5.99	Q				
2+20	6.2604	6.26	Q				
2+25	6.7464	6.75	Q				
2+30	10.0688	10.07	Q				
2+35	11.7634	11.76	Q				
2+40	11.7026	11.70	Q				
2+45	7.5892	7.59	Q				
2+50	3.0513	3.05	Q				
2+55	1.8409	1.84	Q				
3+ 0	1.1619	1.16	Q				
3+ 5	0.3042	0.30	Q				
3+10	0.0693	0.07	Q				
3+15	0.0182	0.02	Q				
3+20	0.0012	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 40
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 11.763 (CFS)
Total volume = 0.817 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	12.044	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.384	0.000	0.000	0.000

****

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Process from Point/Station 4.400 to Point/Station 4.200

**** STREAM ROUTING SCS CONVEX METHOD ****

HYDROGRAPH STREAM ROUTING DATA:

Length of stream = 794.00 (Ft.)
Elevation difference = 4.00 (Ft.)
Slope of channel = 0.005038 (Vert/Horiz)
Channel type - Pipe

Pipe length = 794.00(Ft.) Elevation difference = 4.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow = 3.401(CFS)
Nearest computed pipe diameter = 15.00(In.)
Calculated individual pipe flow = 3.401(CFS)
Normal flow depth in pipe = 9.62(In.)
Flow top width inside pipe = 14.39(In.)
Critical Depth = 0.74(Ft.)
Pipe flow velocity = 4.09(Ft/s)
Travel time through pipe = 3.23 min.

Pipe length = 794.00(Ft.) Elevation difference = 4.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow = 11.763(CFS)
Nearest computed pipe diameter = 24.00(In.)
Calculated individual pipe flow = 11.763(CFS)
Normal flow depth in pipe = 15.26(In.)
Flow top width inside pipe = 23.10(In.)
Critical Depth = 1.23(Ft.)
Pipe flow velocity = 5.58(Ft/s)
Travel time through pipe = 2.37 min.

********** SCS CONVEX CHANNEL ROUTING **********

Convex method of stream routing data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
where c* = 1 - (1-c)^e and dt = c(length)/velocity
c(v/v+1.7) = 0.7666 Travel time = 2.37 (min.)
dt*(unit time interval) = 5.00(min.), e= 2.1678
dt(routing time-step) = 1.82 (min.), c* = 0.9573

Output hydrograph delayed by 0 unit time increments

++

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	2.9	5.9	8.8	11.8
0+ 5	0.0947	0.16	O				
0+10	0.3325	0.45	O				
0+15	0.4276	0.42	O				
0+20	0.4428	0.46	O				
0+25	0.6685	0.81	O				
0+30	0.9458	1.05	O				
0+35	1.1383	1.20	OI				
0+40	1.1615	1.14	O				
0+45	1.2912	1.39	O				

```
   0+50       1.3227      1.29  |   O     |         |         |         |
   0+55       1.1425      1.05  |  O      |         |         |         |
   1+ 0       1.1386      1.19  |  OI     |         |         |         |
   1+ 5       1.4470      1.61  |   OI    |         |         |         |
   1+10       1.8827      2.07  |     OI  |         |         |         |
   1+15       2.1224      2.17  |      O  |         |         |         |
   1+20       2.1189      2.09  |      O  |         |         |         |
   1+25       2.1664      2.21  |      O  |         |         |         |
   1+30       2.5866      2.83  |       OI|         |         |         |
   1+35       2.8614      2.90  |        O|         |         |         |
   1+40       2.8406      2.81  |        O|         |         |         |
   1+45       3.1550      3.38  |         OI        |         |         |
   1+50       3.7068      3.93  |          | OI     |         |         |
   1+55       3.8268      3.77  |          | IO     |         |         |
   2+ 0       3.6789      3.61  |          | O      |         |         |
   2+ 5       3.6838      3.72  |          | O      |         |         |
   2+10       4.1473      4.42  |          |   OI   |         |         |
   2+15       5.3641      5.99  |          |      O I         |         |
   2+20       6.1272      6.26  |          |        OI        |         |
   2+25       6.5509      6.75  |          |         | O      |         |
   2+30       8.7627     10.07  |          |         |       O|   I     |
   2+35      11.0457     11.76  |          |         |        |     O  I
   2+40      11.6957     11.70  |          |         |        |       O|
   2+45       9.1956      7.59  |          |         |    I   |O        |
   2+50       4.8923      3.05  |          |        I     O  |         |
   2+55       2.3923      1.84  |          |     I O |        |         |
   3+ 0       1.4506      1.16  |  IO      |         |        |         |
   3+ 5       0.6515      0.30  |IO        |         |        |         |
   3+10       0.1759      0.07  O          |         |        |         |
   3+15       0.0427      0.02  O          |         |        |         |
   3+20       0.0089      0.00  O          |         |        |         |
   3+25       0.0000      0.00  O          |         |        |         |
-------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                     Number of intervals =    41
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       11.696 (CFS)
                     Total volume =       0.817 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000    12.044     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.384     0.000     0.000     0.000
      ***********************************************************************

      -----------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.200 to Point/Station        4.200
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      _______________________________________________________________________
      From stored stream number 2 the total
      volume of       0.38 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
      -----------------------------------------------------------------------
                Hydrograph in   5   Minute intervals (CFS)

      -----------------------------------------------------------------------
```

```
Time(h+m) Add q(CFS)  Tot. Q   0        3.6       7.2       10.8      14.4
-------------------------------------------------------------------------
  0+ 5       0.0160      0.11  Q         |         |         |         |
  0+10       0.0919      0.42  qQ        |         |         |         |
  0+15       0.2238      0.65  qQ        |         |         |         |
  0+20       0.3509      0.79  q Q       |         |         |         |
  0+25       0.4392      1.11  |q Q      |         |         |         |
  0+30       0.5348      1.48  |q  Q     |         |         |         |
  0+35       0.6088      1.75  |q  Q     |         |         |         |
  0+40       0.6853      1.85  |q   Q    |         |         |         |
  0+45       0.7472      2.04  | q  Q    |         |         |         |
  0+50       0.8013      2.12  | q  Q    |         |         |         |
  0+55       0.8485      1.99  | q  Q    |         |         |         |
  1+ 0       0.8920      2.03  | q  Q    |         |         |         |
  1+ 5       0.9350      2.38  | q   Q   |         |         |         |
  1+10       0.9803      2.86  | q    Q  |         |         |         |
  1+15       1.0300      3.15  | q     Q |         |         |         |
  1+20       1.0713      3.19  | q     Q |         |         |         |
  1+25       1.1104      3.28  |  q     Q|         |         |         |
  1+30       1.1484      3.73  |  q      Q         |         |         |
  1+35       1.1834      4.04  |  q      |Q        |         |         |
  1+40       1.2195      4.06  |  q      |Q        |         |         |
  1+45       1.2582      4.41  |  q      | Q       |         |         |
  1+50       1.3060      5.01  |  q      |  Q      |         |         |
  1+55       1.3638      5.19  |  q      |   Q     |         |         |
  2+ 0       1.4106      5.09  |  q      |   Q     |         |         |
  2+ 5       1.4450      5.13  |   q     |   Q     |         |         |
  2+10       1.4790      5.63  |   q     |    Q    |         |         |
  2+15       1.5128      6.88  |   q     |      Q  |         |         |
  2+20       1.5534      7.68  |   q     |       Q |         |         |
  2+25       1.5931      8.14  |   q     |        Q|         |         |
  2+30       1.6326     10.40  |   q     |         |        Q|         |
  2+35       1.6789     12.72  |   q     |         |         |    Q    |
  2+40       1.7374     13.43  |   q     |         |         |      Q  |
  2+45       2.1345     11.33  |    q    |         |         |Q        |
  2+50       8.6991     13.59  |         |         |   q     |      Q  |
  2+55      12.0435     14.44  |         |         |         |  q      Q
  3+ 0       0.0000      1.45  q   Q     |         |         |         |
  3+ 5       0.0000      0.65  qQ        |         |         |         |
  3+10       0.0000      0.18  Q         |         |         |         |
  3+15       0.0000      0.04  Q         |         |         |         |
  3+20       0.0000      0.01  Q         |         |         |         |
  3+25       0.0000      0.00  Q         |         |         |         |
  3+30       0.0000      0.00  Q         |         |         |         |
  3+35       0.0000      0.00  Q         |         |         |         |
  3+40       0.0000      0.00  Q         |         |         |         |
  3+45       0.0000      0.00  Q         |         |         |         |
  3+50       0.0000      0.00  Q         |         |         |         |
  3+55       0.0000      0.00  Q         |         |         |         |
  4+ 0       0.0000      0.00  Q         |         |         |         |
  4+ 5       0.0000      0.00  Q         |         |         |         |
  4+10       0.0000      0.00  Q         |         |         |         |
  4+15       0.0000      0.00  Q         |         |         |         |
  4+20       0.0000      0.00  Q         |         |         |         |
  4+25       0.0000      0.00  Q         |         |         |         |
  4+30       0.0000      0.00  Q         |         |         |         |
  4+35       0.0000      0.00  Q         |         |         |         |
  4+40       0.0000      0.00  Q         |         |         |         |
  4+45       0.0000      0.00  Q         |         |         |         |
  4+50       0.0000      0.00  Q         |         |         |         |
  4+55       0.0000      0.00  Q         |         |         |         |
  5+ 0       0.0000      0.00  Q         |         |         |         |
```

5+ 5	0.0000	0.00	Q					10+15	0.0000	0.00	Q				
5+10	0.0000	0.00	Q					10+20	0.0000	0.00	Q				
5+15	0.0000	0.00	Q					10+25	0.0000	0.00	Q				
5+20	0.0000	0.00	Q					10+30	0.0000	0.00	Q				
5+25	0.0000	0.00	Q					10+35	0.0000	0.00	Q				
5+30	0.0000	0.00	Q					10+40	0.0000	0.00	Q				
5+35	0.0000	0.00	Q					10+45	0.0000	0.00	Q				
5+40	0.0000	0.00	Q					10+50	0.0000	0.00	Q				
5+45	0.0000	0.00	Q					10+55	0.0000	0.00	Q				
5+50	0.0000	0.00	Q					11+ 0	0.0000	0.00	Q				
5+55	0.0000	0.00	Q					11+ 5	0.0000	0.00	Q				
6+ 0	0.0000	0.00	Q					11+10	0.0000	0.00	Q				
6+ 5	0.0000	0.00	Q					11+15	0.0000	0.00	Q				
6+10	0.0000	0.00	Q					11+20	0.0000	0.00	Q				
6+15	0.0000	0.00	Q					11+25	0.0000	0.00	Q				
6+20	0.0000	0.00	Q					11+30	0.0000	0.00	Q				
6+25	0.0000	0.00	Q					11+35	0.0000	0.00	Q				
6+30	0.0000	0.00	Q					11+40	0.0000	0.00	Q				
6+35	0.0000	0.00	Q					11+45	0.0000	0.00	Q				
6+40	0.0000	0.00	Q					11+50	0.0000	0.00	Q				
6+45	0.0000	0.00	Q					11+55	0.0000	0.00	Q				
6+50	0.0000	0.00	Q					12+ 0	0.0000	0.00	Q				
6+55	0.0000	0.00	Q					12+ 5	0.0000	0.00	Q				
7+ 0	0.0000	0.00	Q					12+10	0.0000	0.00	Q				
7+ 5	0.0000	0.00	Q					12+15	0.0000	0.00	Q				
7+10	0.0000	0.00	Q					12+20	0.0000	0.00	Q				
7+15	0.0000	0.00	Q					12+25	0.0000	0.00	Q				
7+20	0.0000	0.00	Q					12+30	0.0000	0.00	Q				
7+25	0.0000	0.00	Q					12+35	0.0000	0.00	Q				
7+30	0.0000	0.00	Q					12+40	0.0000	0.00	Q				
7+35	0.0000	0.00	Q					12+45	0.0000	0.00	Q				
7+40	0.0000	0.00	Q					12+50	0.0000	0.00	Q				
7+45	0.0000	0.00	Q					12+55	0.0000	0.00	Q				
7+50	0.0000	0.00	Q					13+ 0	0.0000	0.00	Q				
7+55	0.0000	0.00	Q					13+ 5	0.0000	0.00	Q				
8+ 0	0.0000	0.00	Q					13+10	0.0000	0.00	Q				
8+ 5	0.0000	0.00	Q					13+15	0.0000	0.00	Q				
8+10	0.0000	0.00	Q					13+20	0.0000	0.00	Q				
8+15	0.0000	0.00	Q					13+25	0.0000	0.00	Q				
8+20	0.0000	0.00	Q					13+30	0.0000	0.00	Q				
8+25	0.0000	0.00	Q					13+35	0.0000	0.00	Q				
8+30	0.0000	0.00	Q					13+40	0.0000	0.00	Q				
8+35	0.0000	0.00	Q					13+45	0.0000	0.00	Q				
8+40	0.0000	0.00	Q					13+50	0.0000	0.00	Q				
8+45	0.0000	0.00	Q					13+55	0.0000	0.00	Q				
8+50	0.0000	0.00	Q					14+ 0	0.0000	0.00	Q				
8+55	0.0000	0.00	Q					14+ 5	0.0000	0.00	Q				
9+ 0	0.0000	0.00	Q					14+10	0.0000	0.00	Q				
9+ 5	0.0000	0.00	Q					14+15	0.0000	0.00	Q				
9+10	0.0000	0.00	Q					14+20	0.0000	0.00	Q				
9+15	0.0000	0.00	Q					14+25	0.0000	0.00	Q				
9+20	0.0000	0.00	Q					14+30	0.0000	0.00	Q				
9+25	0.0000	0.00	Q					14+35	0.0000	0.00	Q				
9+30	0.0000	0.00	Q					14+40	0.0000	0.00	Q				
9+35	0.0000	0.00	Q					14+45	0.0000	0.00	Q				
9+40	0.0000	0.00	Q					14+50	0.0000	0.00	Q				
9+45	0.0000	0.00	Q					14+55	0.0000	0.00	Q				
9+50	0.0000	0.00	Q					15+ 0	0.0000	0.00	Q				
9+55	0.0000	0.00	Q					15+ 5	0.0000	0.00	Q				
10+ 0	0.0000	0.00	Q					15+10	0.0000	0.00	Q				
10+ 5	0.0000	0.00	Q					15+15	0.0000	0.00	Q				
10+10	0.0000	0.00	Q					15+20	0.0000	0.00	Q				

15+25	0.0000	0.00	Q					20+35	0.0000	0.00	Q				
15+30	0.0000	0.00	Q					20+40	0.0000	0.00	Q				
15+35	0.0000	0.00	Q					20+45	0.0000	0.00	Q				
15+40	0.0000	0.00	Q					20+50	0.0000	0.00	Q				
15+45	0.0000	0.00	Q					20+55	0.0000	0.00	Q				
15+50	0.0000	0.00	Q					21+ 0	0.0000	0.00	Q				
15+55	0.0000	0.00	Q					21+ 5	0.0000	0.00	Q				
16+ 0	0.0000	0.00	Q					21+10	0.0000	0.00	Q				
16+ 5	0.0000	0.00	Q					21+15	0.0000	0.00	Q				
16+10	0.0000	0.00	Q					21+20	0.0000	0.00	Q				
16+15	0.0000	0.00	Q					21+25	0.0000	0.00	Q				
16+20	0.0000	0.00	Q					21+30	0.0000	0.00	Q				
16+25	0.0000	0.00	Q					21+35	0.0000	0.00	Q				
16+30	0.0000	0.00	Q					21+40	0.0000	0.00	Q				
16+35	0.0000	0.00	Q					21+45	0.0000	0.00	Q				
16+40	0.0000	0.00	Q					21+50	0.0000	0.00	Q				
16+45	0.0000	0.00	Q					21+55	0.0000	0.00	Q				
16+50	0.0000	0.00	Q					22+ 0	0.0000	0.00	Q				
16+55	0.0000	0.00	Q					22+ 5	0.0000	0.00	Q				
17+ 0	0.0000	0.00	Q					22+10	0.0000	0.00	Q				
17+ 5	0.0000	0.00	Q					22+15	0.0000	0.00	Q				
17+10	0.0000	0.00	Q					22+20	0.0000	0.00	Q				
17+15	0.0000	0.00	Q					22+25	0.0000	0.00	Q				
17+20	0.0000	0.00	Q					22+30	0.0000	0.00	Q				
17+25	0.0000	0.00	Q					22+35	0.0000	0.00	Q				
17+30	0.0000	0.00	Q					22+40	0.0000	0.00	Q				
17+35	0.0000	0.00	Q					22+45	0.0000	0.00	Q				
17+40	0.0000	0.00	Q					22+50	0.0000	0.00	Q				
17+45	0.0000	0.00	Q					22+55	0.0000	0.00	Q				
17+50	0.0000	0.00	Q					23+ 0	0.0000	0.00	Q				
17+55	0.0000	0.00	Q					23+ 5	0.0000	0.00	Q				
18+ 0	0.0000	0.00	Q					23+10	0.0000	0.00	Q				
18+ 5	0.0000	0.00	Q					23+15	0.0000	0.00	Q				
18+10	0.0000	0.00	Q					23+20	0.0000	0.00	Q				
18+15	0.0000	0.00	Q					23+25	0.0000	0.00	Q				
18+20	0.0000	0.00	Q					23+30	0.0000	0.00	Q				
18+25	0.0000	0.00	Q					23+35	0.0000	0.00	Q				
18+30	0.0000	0.00	Q					23+40	0.0000	0.00	Q				
18+35	0.0000	0.00	Q					23+45	0.0000	0.00	Q				
18+40	0.0000	0.00	Q					23+50	0.0000	0.00	Q				
18+45	0.0000	0.00	Q					23+55	0.0000	0.00	Q				
18+50	0.0000	0.00	Q					24+ 0	0.0000	0.00	Q				
18+55	0.0000	0.00	Q					24+ 5	0.0000	0.00	Q				
19+ 0	0.0000	0.00	Q					24+10	0.0000	0.00	Q				
19+ 5	0.0000	0.00	Q					24+15	0.0000	0.00	Q				
19+10	0.0000	0.00	Q					24+20	0.0000	0.00	Q				
19+15	0.0000	0.00	Q					24+25	0.0000	0.00	Q				
19+20	0.0000	0.00	Q					24+30	0.0000	0.00	Q				
19+25	0.0000	0.00	Q					24+35	0.0000	0.00	Q				
19+30	0.0000	0.00	Q					24+40	0.0000	0.00	Q				
19+35	0.0000	0.00	Q					24+45	0.0000	0.00	Q				
19+40	0.0000	0.00	Q					24+50	0.0000	0.00	Q				
19+45	0.0000	0.00	Q					24+55	0.0000	0.00	Q				
19+50	0.0000	0.00	Q					25+ 0	0.0000	0.00	Q				
19+55	0.0000	0.00	Q					25+ 5	0.0000	0.00	Q				
20+ 0	0.0000	0.00	Q					25+10	0.0000	0.00	Q				
20+ 5	0.0000	0.00	Q					25+15	0.0000	0.00	Q				
20+10	0.0000	0.00	Q					25+20	0.0000	0.00	Q				
20+15	0.0000	0.00	Q					25+25	0.0000	0.00	Q				
20+20	0.0000	0.00	Q					25+30	0.0000	0.00	Q				
20+25	0.0000	0.00	Q					25+35	0.0000	0.00	Q				
20+30	0.0000	0.00	Q					25+40	0.0000	0.00	Q				

25+45	0.0000	0.00	Q					30+55	0.0000	0.00	Q				
25+50	0.0000	0.00	Q					31+ 0	0.0000	0.00	Q				
25+55	0.0000	0.00	Q					31+ 5	0.0000	0.00	Q				
26+ 0	0.0000	0.00	Q					31+10	0.0000	0.00	Q				
26+ 5	0.0000	0.00	Q					31+15	0.0000	0.00	Q				
26+10	0.0000	0.00	Q					31+20	0.0000	0.00	Q				
26+15	0.0000	0.00	Q					31+25	0.0000	0.00	Q				
26+20	0.0000	0.00	Q					31+30	0.0000	0.00	Q				
26+25	0.0000	0.00	Q					31+35	0.0000	0.00	Q				
26+30	0.0000	0.00	Q					31+40	0.0000	0.00	Q				
26+35	0.0000	0.00	Q					31+45	0.0000	0.00	Q				
26+40	0.0000	0.00	Q					31+50	0.0000	0.00	Q				
26+45	0.0000	0.00	Q					31+55	0.0000	0.00	Q				
26+50	0.0000	0.00	Q					32+ 0	0.0000	0.00	Q				
26+55	0.0000	0.00	Q					32+ 5	0.0000	0.00	Q				
27+ 0	0.0000	0.00	Q					32+10	0.0000	0.00	Q				
27+ 5	0.0000	0.00	Q					32+15	0.0000	0.00	Q				
27+10	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+50	0.0000	0.00	Q				
27+45	0.0000	0.00	Q					32+55	0.0000	0.00	Q				
27+50	0.0000	0.00	Q					33+ 0	0.0000	0.00	Q				
27+55	0.0000	0.00	Q					33+ 5	0.0000	0.00	Q				
28+ 0	0.0000	0.00	Q					33+10	0.0000	0.00	Q				
28+ 5	0.0000	0.00	Q					33+15	0.0000	0.00	Q				
28+10	0.0000	0.00	Q					33+20	0.0000	0.00	Q				
28+15	0.0000	0.00	Q					33+25	0.0000	0.00	Q				
28+20	0.0000	0.00	Q					33+30	0.0000	0.00	Q				
28+25	0.0000	0.00	Q					33+35	0.0000	0.00	Q				
28+30	0.0000	0.00	Q					33+40	0.0000	0.00	Q				
28+35	0.0000	0.00	Q					33+45	0.0000	0.00	Q				
28+40	0.0000	0.00	Q					33+50	0.0000	0.00	Q				
28+45	0.0000	0.00	Q					33+55	0.0000	0.00	Q				
28+50	0.0000	0.00	Q					34+ 0	0.0000	0.00	Q				
28+55	0.0000	0.00	Q					34+ 5	0.0000	0.00	Q				
29+ 0	0.0000	0.00	Q					34+10	0.0000	0.00	Q				
29+ 5	0.0000	0.00	Q					34+15	0.0000	0.00	Q				
29+10	0.0000	0.00	Q					34+20	0.0000	0.00	Q				
29+15	0.0000	0.00	Q					34+25	0.0000	0.00	Q				
29+20	0.0000	0.00	Q					34+30	0.0000	0.00	Q				
29+25	0.0000	0.00	Q					34+35	0.0000	0.00	Q				
29+30	0.0000	0.00	Q					34+40	0.0000	0.00	Q				
29+35	0.0000	0.00	Q					34+45	0.0000	0.00	Q				
29+40	0.0000	0.00	Q					34+50	0.0000	0.00	Q				
29+45	0.0000	0.00	Q					34+55	0.0000	0.00	Q				
29+50	0.0000	0.00	Q					35+ 0	0.0000	0.00	Q				
29+55	0.0000	0.00	Q					35+ 5	0.0000	0.00	Q				
30+ 0	0.0000	0.00	Q					35+10	0.0000	0.00	Q				
30+ 5	0.0000	0.00	Q					35+15	0.0000	0.00	Q				
30+10	0.0000	0.00	Q					35+20	0.0000	0.00	Q				
30+15	0.0000	0.00	Q					35+25	0.0000	0.00	Q				
30+20	0.0000	0.00	Q					35+30	0.0000	0.00	Q				
30+25	0.0000	0.00	Q					35+35	0.0000	0.00	Q				
30+30	0.0000	0.00	Q					35+40	0.0000	0.00	Q				
30+35	0.0000	0.00	Q					35+45	0.0000	0.00	Q				
30+40	0.0000	0.00	Q					35+50	0.0000	0.00	Q				
30+45	0.0000	0.00	Q					35+55	0.0000	0.00	Q				
30+50	0.0000	0.00	Q					36+ 0	0.0000	0.00	Q				

36+ 5	0.0000	0.00	Q					41+15	0.0000	0.00	Q				
36+10	0.0000	0.00	Q					41+20	0.0000	0.00	Q				
36+15	0.0000	0.00	Q					41+25	0.0000	0.00	Q				
36+20	0.0000	0.00	Q					41+30	0.0000	0.00	Q				
36+25	0.0000	0.00	Q					41+35	0.0000	0.00	Q				
36+30	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+35	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+20	0.0000	0.00	Q				
38+15	0.0000	0.00	Q					43+25	0.0000	0.00	Q				
38+20	0.0000	0.00	Q					43+30	0.0000	0.00	Q				
38+25	0.0000	0.00	Q					43+35	0.0000	0.00	Q				
38+30	0.0000	0.00	Q					43+40	0.0000	0.00	Q				
38+35	0.0000	0.00	Q					43+45	0.0000	0.00	Q				
38+40	0.0000	0.00	Q					43+50	0.0000	0.00	Q				
38+45	0.0000	0.00	Q					43+55	0.0000	0.00	Q				
38+50	0.0000	0.00	Q					44+ 0	0.0000	0.00	Q				
38+55	0.0000	0.00	Q					44+ 5	0.0000	0.00	Q				
39+ 0	0.0000	0.00	Q					44+10	0.0000	0.00	Q				
39+ 5	0.0000	0.00	Q					44+15	0.0000	0.00	Q				
39+10	0.0000	0.00	Q					44+20	0.0000	0.00	Q				
39+15	0.0000	0.00	Q					44+25	0.0000	0.00	Q				
39+20	0.0000	0.00	Q					44+30	0.0000	0.00	Q				
39+25	0.0000	0.00	Q					44+35	0.0000	0.00	Q				
39+30	0.0000	0.00	Q					44+40	0.0000	0.00	Q				
39+35	0.0000	0.00	Q					44+45	0.0000	0.00	Q				
39+40	0.0000	0.00	Q					44+50	0.0000	0.00	Q				
39+45	0.0000	0.00	Q					44+55	0.0000	0.00	Q				
39+50	0.0000	0.00	Q					45+ 0	0.0000	0.00	Q				
39+55	0.0000	0.00	Q					45+ 5	0.0000	0.00	Q				
40+ 0	0.0000	0.00	Q					45+10	0.0000	0.00	Q				
40+ 5	0.0000	0.00	Q					45+15	0.0000	0.00	Q				
40+10	0.0000	0.00	Q					45+20	0.0000	0.00	Q				
40+15	0.0000	0.00	Q					45+25	0.0000	0.00	Q				
40+20	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+20	0.0000	0.00	Q				

46+25	0.0000	0.00	Q					51+35	0.0000	0.00	Q				
46+30	0.0000	0.00	Q					51+40	0.0000	0.00	Q				
46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+30	0.0000	0.00	Q				
48+25	0.0000	0.00	Q					53+35	0.0000	0.00	Q				
48+30	0.0000	0.00	Q					53+40	0.0000	0.00	Q				
48+35	0.0000	0.00	Q					53+45	0.0000	0.00	Q				
48+40	0.0000	0.00	Q					53+50	0.0000	0.00	Q				
48+45	0.0000	0.00	Q					53+55	0.0000	0.00	Q				
48+50	0.0000	0.00	Q					54+ 0	0.0000	0.00	Q				
48+55	0.0000	0.00	Q					54+ 5	0.0000	0.00	Q				
49+ 0	0.0000	0.00	Q					54+10	0.0000	0.00	Q				
49+ 5	0.0000	0.00	Q					54+15	0.0000	0.00	Q				
49+10	0.0000	0.00	Q					54+20	0.0000	0.00	Q				
49+15	0.0000	0.00	Q					54+25	0.0000	0.00	Q				
49+20	0.0000	0.00	Q					54+30	0.0000	0.00	Q				
49+25	0.0000	0.00	Q					54+35	0.0000	0.00	Q				
49+30	0.0000	0.00	Q					54+40	0.0000	0.00	Q				
49+35	0.0000	0.00	Q					54+45	0.0000	0.00	Q				
49+40	0.0000	0.00	Q					54+50	0.0000	0.00	Q				
49+45	0.0000	0.00	Q					54+55	0.0000	0.00	Q				
49+50	0.0000	0.00	Q					55+ 0	0.0000	0.00	Q				
49+55	0.0000	0.00	Q					55+ 5	0.0000	0.00	Q				
50+ 0	0.0000	0.00	Q					55+10	0.0000	0.00	Q				
50+ 5	0.0000	0.00	Q					55+15	0.0000	0.00	Q				
50+10	0.0000	0.00	Q					55+20	0.0000	0.00	Q				
50+15	0.0000	0.00	Q					55+25	0.0000	0.00	Q				
50+20	0.0000	0.00	Q					55+30	0.0000	0.00	Q				
50+25	0.0000	0.00	Q					55+35	0.0000	0.00	Q				
50+30	0.0000	0.00	Q					55+40	0.0000	0.00	Q				
50+35	0.0000	0.00	Q					55+45	0.0000	0.00	Q				
50+40	0.0000	0.00	Q					55+50	0.0000	0.00	Q				
50+45	0.0000	0.00	Q					55+55	0.0000	0.00	Q				
50+50	0.0000	0.00	Q					56+ 0	0.0000	0.00	Q				
50+55	0.0000	0.00	Q					56+ 5	0.0000	0.00	Q				
51+ 0	0.0000	0.00	Q					56+10	0.0000	0.00	Q				
51+ 5	0.0000	0.00	Q					56+15	0.0000	0.00	Q				
51+10	0.0000	0.00	Q					56+20	0.0000	0.00	Q				
51+15	0.0000	0.00	Q					56+25	0.0000	0.00	Q				
51+20	0.0000	0.00	Q					56+30	0.0000	0.00	Q				
51+25	0.0000	0.00	Q					56+35	0.0000	0.00	Q				
51+30	0.0000	0.00	Q					56+40	0.0000	0.00	Q				

56+45	0.0000	0.00	Q					61+55	0.0000	0.00	Q				
56+50	0.0000	0.00	Q					62+ 0	0.0000	0.00	Q				
56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				
58+55	0.0000	0.00	Q					64+ 5	0.0000	0.00	Q				
59+ 0	0.0000	0.00	Q					64+10	0.0000	0.00	Q				
59+ 5	0.0000	0.00	Q					64+15	0.0000	0.00	Q				
59+10	0.0000	0.00	Q					64+20	0.0000	0.00	Q				
59+15	0.0000	0.00	Q					64+25	0.0000	0.00	Q				
59+20	0.0000	0.00	Q					64+30	0.0000	0.00	Q				
59+25	0.0000	0.00	Q					64+35	0.0000	0.00	Q				
59+30	0.0000	0.00	Q					64+40	0.0000	0.00	Q				
59+35	0.0000	0.00	Q					64+45	0.0000	0.00	Q				
59+40	0.0000	0.00	Q					64+50	0.0000	0.00	Q				
59+45	0.0000	0.00	Q					64+55	0.0000	0.00	Q				
59+50	0.0000	0.00	Q					65+ 0	0.0000	0.00	Q				
59+55	0.0000	0.00	Q					65+ 5	0.0000	0.00	Q				
60+ 0	0.0000	0.00	Q					65+10	0.0000	0.00	Q				
60+ 5	0.0000	0.00	Q					65+15	0.0000	0.00	Q				
60+10	0.0000	0.00	Q					65+20	0.0000	0.00	Q				
60+15	0.0000	0.00	Q					65+25	0.0000	0.00	Q				
60+20	0.0000	0.00	Q					65+30	0.0000	0.00	Q				
60+25	0.0000	0.00	Q					65+35	0.0000	0.00	Q				
60+30	0.0000	0.00	Q					65+40	0.0000	0.00	Q				
60+35	0.0000	0.00	Q					65+45	0.0000	0.00	Q				
60+40	0.0000	0.00	Q					65+50	0.0000	0.00	Q				
60+45	0.0000	0.00	Q					65+55	0.0000	0.00	Q				
60+50	0.0000	0.00	Q					66+ 0	0.0000	0.00	Q				
60+55	0.0000	0.00	Q					66+ 5	0.0000	0.00	Q				
61+ 0	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				

67+ 5	0.0000	0.00	Q					72+15	0.0000	0.00	Q				
67+10	0.0000	0.00	Q					72+20	0.0000	0.00	Q				
67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+10	0.0000	0.00	Q				
69+ 5	0.0000	0.00	Q					74+15	0.0000	0.00	Q				
69+10	0.0000	0.00	Q					74+20	0.0000	0.00	Q				
69+15	0.0000	0.00	Q					74+25	0.0000	0.00	Q				
69+20	0.0000	0.00	Q					74+30	0.0000	0.00	Q				
69+25	0.0000	0.00	Q					74+35	0.0000	0.00	Q				
69+30	0.0000	0.00	Q					74+40	0.0000	0.00	Q				
69+35	0.0000	0.00	Q					74+45	0.0000	0.00	Q				
69+40	0.0000	0.00	Q					74+50	0.0000	0.00	Q				
69+45	0.0000	0.00	Q					74+55	0.0000	0.00	Q				
69+50	0.0000	0.00	Q					75+ 0	0.0000	0.00	Q				
69+55	0.0000	0.00	Q					75+ 5	0.0000	0.00	Q				
70+ 0	0.0000	0.00	Q					75+10	0.0000	0.00	Q				
70+ 5	0.0000	0.00	Q					75+15	0.0000	0.00	Q				
70+10	0.0000	0.00	Q					75+20	0.0000	0.00	Q				
70+15	0.0000	0.00	Q					75+25	0.0000	0.00	Q				
70+20	0.0000	0.00	Q					75+30	0.0000	0.00	Q				
70+25	0.0000	0.00	Q					75+35	0.0000	0.00	Q				
70+30	0.0000	0.00	Q					75+40	0.0000	0.00	Q				
70+35	0.0000	0.00	Q					75+45	0.0000	0.00	Q				
70+40	0.0000	0.00	Q					75+50	0.0000	0.00	Q				
70+45	0.0000	0.00	Q					75+55	0.0000	0.00	Q				
70+50	0.0000	0.00	Q					76+ 0	0.0000	0.00	Q				
70+55	0.0000	0.00	Q					76+ 5	0.0000	0.00	Q				
71+ 0	0.0000	0.00	Q					76+10	0.0000	0.00	Q				
71+ 5	0.0000	0.00	Q					76+15	0.0000	0.00	Q				
71+10	0.0000	0.00	Q					76+20	0.0000	0.00	Q				
71+15	0.0000	0.00	Q					76+25	0.0000	0.00	Q				
71+20	0.0000	0.00	Q					76+30	0.0000	0.00	Q				
71+25	0.0000	0.00	Q					76+35	0.0000	0.00	Q				
71+30	0.0000	0.00	Q					76+40	0.0000	0.00	Q				
71+35	0.0000	0.00	Q					76+45	0.0000	0.00	Q				
71+40	0.0000	0.00	Q					76+50	0.0000	0.00	Q				
71+45	0.0000	0.00	Q					76+55	0.0000	0.00	Q				
71+50	0.0000	0.00	Q					77+ 0	0.0000	0.00	Q				
71+55	0.0000	0.00	Q					77+ 5	0.0000	0.00	Q				
72+ 0	0.0000	0.00	Q					77+10	0.0000	0.00	Q				
72+ 5	0.0000	0.00	Q					77+15	0.0000	0.00	Q				
72+10	0.0000	0.00	Q					77+20	0.0000	0.00	Q				

77+25	0.0000	0.00	Q					82+35	0.0000	0.00	Q				
77+30	0.0000	0.00	Q					82+40	0.0000	0.00	Q				
77+35	0.0000	0.00	Q					82+45	0.0000	0.00	Q				
77+40	0.0000	0.00	Q					82+50	0.0000	0.00	Q				
77+45	0.0000	0.00	Q					82+55	0.0000	0.00	Q				
77+50	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q				
77+55	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q				
78+ 0	0.0000	0.00	Q					83+10	0.0000	0.00	Q				
78+ 5	0.0000	0.00	Q					83+15	0.0000	0.00	Q				
78+10	0.0000	0.00	Q					83+20	0.0000	0.00	Q				
78+15	0.0000	0.00	Q					83+25	0.0000	0.00	Q				
78+20	0.0000	0.00	Q					83+30	0.0000	0.00	Q				
78+25	0.0000	0.00	Q					83+35	0.0000	0.00	Q				
78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				
79+25	0.0000	0.00	Q					84+35	0.0000	0.00	Q				
79+30	0.0000	0.00	Q					84+40	0.0000	0.00	Q				
79+35	0.0000	0.00	Q					84+45	0.0000	0.00	Q				
79+40	0.0000	0.00	Q					84+50	0.0000	0.00	Q				
79+45	0.0000	0.00	Q					84+55	0.0000	0.00	Q				
79+50	0.0000	0.00	Q					85+ 0	0.0000	0.00	Q				
79+55	0.0000	0.00	Q					85+ 5	0.0000	0.00	Q				
80+ 0	0.0000	0.00	Q					85+10	0.0000	0.00	Q				
80+ 5	0.0000	0.00	Q					85+15	0.0000	0.00	Q				
80+10	0.0000	0.00	Q					85+20	0.0000	0.00	Q				
80+15	0.0000	0.00	Q					85+25	0.0000	0.00	Q				
80+20	0.0000	0.00	Q					85+30	0.0000	0.00	Q				
80+25	0.0000	0.00	Q					85+35	0.0000	0.00	Q				
80+30	0.0000	0.00	Q					85+40	0.0000	0.00	Q				
80+35	0.0000	0.00	Q					85+45	0.0000	0.00	Q				
80+40	0.0000	0.00	Q					85+50	0.0000	0.00	Q				
80+45	0.0000	0.00	Q					85+55	0.0000	0.00	Q				
80+50	0.0000	0.00	Q					86+ 0	0.0000	0.00	Q				
80+55	0.0000	0.00	Q					86+ 5	0.0000	0.00	Q				
81+ 0	0.0000	0.00	Q					86+10	0.0000	0.00	Q				
81+ 5	0.0000	0.00	Q					86+15	0.0000	0.00	Q				
81+10	0.0000	0.00	Q					86+20	0.0000	0.00	Q				
81+15	0.0000	0.00	Q					86+25	0.0000	0.00	Q				
81+20	0.0000	0.00	Q					86+30	0.0000	0.00	Q				
81+25	0.0000	0.00	Q					86+35	0.0000	0.00	Q				
81+30	0.0000	0.00	Q					86+40	0.0000	0.00	Q				
81+35	0.0000	0.00	Q					86+45	0.0000	0.00	Q				
81+40	0.0000	0.00	Q					86+50	0.0000	0.00	Q				
81+45	0.0000	0.00	Q					86+55	0.0000	0.00	Q				
81+50	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q				
81+55	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q				
82+ 0	0.0000	0.00	Q					87+10	0.0000	0.00	Q				
82+ 5	0.0000	0.00	Q					87+15	0.0000	0.00	Q				
82+10	0.0000	0.00	Q					87+20	0.0000	0.00	Q				
82+15	0.0000	0.00	Q					87+25	0.0000	0.00	Q				
82+20	0.0000	0.00	Q					87+30	0.0000	0.00	Q				
82+25	0.0000	0.00	Q					87+35	0.0000	0.00	Q				
82+30	0.0000	0.00	Q					87+40	0.0000	0.00	Q				

87+45	0.0000	0.00	Q					92+55	0.0000	0.00	Q				
87+50	0.0000	0.00	Q					93+ 0	0.0000	0.00	Q				
87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+50	0.0000	0.00	Q				
89+45	0.0000	0.00	Q					94+55	0.0000	0.00	Q				
89+50	0.0000	0.00	Q					95+ 0	0.0000	0.00	Q				
89+55	0.0000	0.00	Q					95+ 5	0.0000	0.00	Q				
90+ 0	0.0000	0.00	Q					95+10	0.0000	0.00	Q				
90+ 5	0.0000	0.00	Q					95+15	0.0000	0.00	Q				
90+10	0.0000	0.00	Q					95+20	0.0000	0.00	Q				
90+15	0.0000	0.00	Q					95+25	0.0000	0.00	Q				
90+20	0.0000	0.00	Q					95+30	0.0000	0.00	Q				
90+25	0.0000	0.00	Q					95+35	0.0000	0.00	Q				
90+30	0.0000	0.00	Q					95+40	0.0000	0.00	Q				
90+35	0.0000	0.00	Q					95+45	0.0000	0.00	Q				
90+40	0.0000	0.00	Q					95+50	0.0000	0.00	Q				
90+45	0.0000	0.00	Q					95+55	0.0000	0.00	Q				
90+50	0.0000	0.00	Q					96+ 0	0.0000	0.00	Q				
90+55	0.0000	0.00	Q					96+ 5	0.0000	0.00	Q				
91+ 0	0.0000	0.00	Q					96+10	0.0000	0.00	Q				
91+ 5	0.0000	0.00	Q					96+15	0.0000	0.00	Q				
91+10	0.0000	0.00	Q					96+20	0.0000	0.00	Q				
91+15	0.0000	0.00	Q					96+25	0.0000	0.00	Q				
91+20	0.0000	0.00	Q					96+30	0.0000	0.00	Q				
91+25	0.0000	0.00	Q					96+35	0.0000	0.00	Q				
91+30	0.0000	0.00	Q					96+40	0.0000	0.00	Q				
91+35	0.0000	0.00	Q					96+45	0.0000	0.00	Q				
91+40	0.0000	0.00	Q					96+50	0.0000	0.00	Q				
91+45	0.0000	0.00	Q					96+55	0.0000	0.00	Q				
91+50	0.0000	0.00	Q					97+ 0	0.0000	0.00	Q				
91+55	0.0000	0.00	Q					97+ 5	0.0000	0.00	Q				
92+ 0	0.0000	0.00	Q					97+10	0.0000	0.00	Q				
92+ 5	0.0000	0.00	Q					97+15	0.0000	0.00	Q				
92+10	0.0000	0.00	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.00	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.00	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.00	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.00	Q					97+40	0.0000	0.00	Q				
92+35	0.0000	0.00	Q					97+45	0.0000	0.00	Q				
92+40	0.0000	0.00	Q					97+50	0.0000	0.00	Q				
92+45	0.0000	0.00	Q					97+55	0.0000	0.00	Q				
92+50	0.0000	0.00	Q					98+ 0	0.0000	0.00	Q				

98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				
102+55	0.0000	0.00	Q					108+ 5	0.0000	0.00	Q				
103+ 0	0.0000	0.00	Q					108+10	0.0000	0.00	Q				
103+ 5	0.0000	0.00	Q					108+15	0.0000	0.00	Q				
103+10	0.0000	0.00	Q					108+20	0.0000	0.00	Q				

108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				

118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q				
123+50	0.0000	0.00	Q					129+ 0	0.0000	0.00	Q				

129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+10	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+15	0.0000	0.00	Q				
133+10	0.0000	0.00	Q					138+20	0.0000	0.00	Q				
133+15	0.0000	0.00	Q					138+25	0.0000	0.00	Q				
133+20	0.0000	0.00	Q					138+30	0.0000	0.00	Q				
133+25	0.0000	0.00	Q					138+35	0.0000	0.00	Q				
133+30	0.0000	0.00	Q					138+40	0.0000	0.00	Q				
133+35	0.0000	0.00	Q					138+45	0.0000	0.00	Q				
133+40	0.0000	0.00	Q					138+50	0.0000	0.00	Q				
133+45	0.0000	0.00	Q					138+55	0.0000	0.00	Q				
133+50	0.0000	0.00	Q					139+ 0	0.0000	0.00	Q				
133+55	0.0000	0.00	Q					139+ 5	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q					139+10	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q					139+15	0.0000	0.00	Q				
134+10	0.0000	0.00	Q					139+20	0.0000	0.00	Q				

```
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                     Number of intervals =  5003
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       14.436 (CFS)
                     Total volume =       1.201 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.500
        **** STREAM ROUTING SCS CONVEX METHOD ****
        _____________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =   3440.00 (Ft.)
        Elevation difference =  109.00 (Ft.)
        Slope of channel =  0.031686 (Vert/Horiz)
        Channel type - Improved Channel


        Channel length =  3440.00(Ft.)     Elevation difference = 109.00(Ft.)
        Channel evaluation using mean flow rate of hydrograph
        Channel base width  =  180.000(Ft.)
        Slope or 'Z' of left channel bank =   2.000
        Slope or 'Z' of right channel bank =   2.000
        Manning's 'N'    = 0.030
        Maximum depth of channel  =   20.000(Ft.)
        Flow(q) thru subarea =      4.918(CFS)
        Depth of flow =     0.031(Ft.)
        Average velocity =     0.874(Ft/s)
        Total flow rate =     4.918(CFS)
        Channel flow top width =  180.125(Ft.)
        Depth of flow in channel =   0.03(Ft.)
        Total number of channels (same dimensions) = 1
        Flow Velocity =    0.87(Ft/s)
        Travel time  =    2.37 min.
        Individual channel flow =    4.918(CFS)
        Total capacity of improved channels =      4.918(CFS)
        Critical Depth in Channel =    0.03(Ft.)


        Channel evaluation using maximum flow rate of hydrograph
        Flow(q) thru subarea =     14.436(CFS)
        Depth of flow =     0.060(Ft.)
        Average velocity =     1.345(Ft/s)
        Total flow rate =    14.436(CFS)
        Channel flow top width =  180.238(Ft.)
        Depth of flow in channel =   0.06(Ft.)
        Total number of channels (same dimensions) = 1
        Flow Velocity =    1.34(Ft/s)
        Travel time  =    2.37 min.
        Individual channel flow =   14.436(CFS)
        Total capacity of improved channels =     14.436(CFS)
        Critical Depth in Channel =    0.06(Ft.)


        ********************** SCS CONVEX CHANNEL ROUTING *********************
        Convex method of stream routing  data items:
        Using equation: Outflow =
        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.4416   Travel time =  42.64 (min.)
                dt*(unit time interval) =   5.00(min.),  e=   0.5103
                dt(routing time-step) =  18.83 (min.),   c* =   0.2573

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        3.6       7.2       10.8      14.4
---------------------------------------------------------------------------
  0+ 5       0.0209      0.11  O         |         |         |         |
  0+10       0.1033      0.42  OI        |         |         |         |
  0+15       0.2288      0.65  OI        |         |         |         |
  0+20       0.3644      0.79  |OI       |         |         |         |
  0+25       0.5342      1.11  |O I      |         |         |         |
  0+30       0.7522      1.48  | O I     |         |         |         |
  0+35       0.9899      1.75  | O I     |         |         |         |
  0+40       1.2036      1.85  |  O I    |         |         |         |
  0+45       1.4053      2.04  |  O I    |         |         |         |
  0+50       1.5843      2.12  |   OI    |         |         |         |
  0+55       1.6980      1.99  |   OI    |         |         |         |
  1+ 0       1.7809      2.03  |   OI    |         |         |         |
  1+ 5       1.9115      2.38  |    OI   |         |         |         |
  1+10       2.1235      2.86  |    O I  |         |         |         |
  1+15       2.3684      3.15  |     O I |         |         |         |
  1+20       2.5772      3.19  |      OI |         |         |         |
  1+25       2.7513      3.28  |      O I|         |         |         |
  1+30       2.9730      3.73  |       O I         |         |         |
  1+35       3.2276      4.04  |       O |I        |         |         |
  1+40       3.4407      4.06  |        O|I        |         |         |
  1+45       3.6667      4.41  |         O I       |         |         |
  1+50       3.9721      5.01  |         |O I      |         |         |
  1+55       4.2734      5.19  |         |O  I     |         |         |
  2+ 0       4.4903      5.09  |         | O I     |         |         |
  2+ 5       4.6518      5.13  |         | O I     |         |         |
  2+10       4.8685      5.63  |         |  O I    |         |         |
  2+15       5.2998      6.88  |         |   O    I|         |         |
  2+20       5.8574      7.68  |         |     O   |I        |         |
  2+25       6.4140      8.14  |         |      O  | I       |         |
  2+30       7.2844     10.40  |         |         O       I |         |
  2+35       8.5248     12.72  |         |         |  O      |    I    |
  2+40       9.7391     13.43  |         |         |     O   |       I |
  2+45      10.2920     11.33  |         |         |        O|I        |
  2+50      10.9864     13.59  |         |         |         O       I |
```

| | | |

13+15	0.0000	0.00	O					18+25	0.0000	0.00	O				
13+20	0.0000	0.00	O					18+30	0.0000	0.00	O				
13+25	0.0000	0.00	O					18+35	0.0000	0.00	O				
13+30	0.0000	0.00	O					18+40	0.0000	0.00	O				
13+35	0.0000	0.00	O					18+45	0.0000	0.00	O				
13+40	0.0000	0.00	O					18+50	0.0000	0.00	O				
13+45	0.0000	0.00	O					18+55	0.0000	0.00	O				
13+50	0.0000	0.00	O					19+ 0	0.0000	0.00	O				
13+55	0.0000	0.00	O					19+ 5	0.0000	0.00	O				
14+ 0	0.0000	0.00	O					19+10	0.0000	0.00	O				
14+ 5	0.0000	0.00	O					19+15	0.0000	0.00	O				
14+10	0.0000	0.00	O					19+20	0.0000	0.00	O				
14+15	0.0000	0.00	O					19+25	0.0000	0.00	O				
14+20	0.0000	0.00	O					19+30	0.0000	0.00	O				
14+25	0.0000	0.00	O					19+35	0.0000	0.00	O				
14+30	0.0000	0.00	O					19+40	0.0000	0.00	O				
14+35	0.0000	0.00	O					19+45	0.0000	0.00	O				
14+40	0.0000	0.00	O					19+50	0.0000	0.00	O				
14+45	0.0000	0.00	O					19+55	0.0000	0.00	O				
14+50	0.0000	0.00	O					20+ 0	0.0000	0.00	O				
14+55	0.0000	0.00	O					20+ 5	0.0000	0.00	O				
15+ 0	0.0000	0.00	O					20+10	0.0000	0.00	O				
15+ 5	0.0000	0.00	O					20+15	0.0000	0.00	O				
15+10	0.0000	0.00	O					20+20	0.0000	0.00	O				
15+15	0.0000	0.00	O					20+25	0.0000	0.00	O				
15+20	0.0000	0.00	O					20+30	0.0000	0.00	O				
15+25	0.0000	0.00	O					20+35	0.0000	0.00	O				
15+30	0.0000	0.00	O					20+40	0.0000	0.00	O				
15+35	0.0000	0.00	O					20+45	0.0000	0.00	O				
15+40	0.0000	0.00	O					20+50	0.0000	0.00	O				
15+45	0.0000	0.00	O					20+55	0.0000	0.00	O				
15+50	0.0000	0.00	O					21+ 0	0.0000	0.00	O				
15+55	0.0000	0.00	O					21+ 5	0.0000	0.00	O				
16+ 0	0.0000	0.00	O					21+10	0.0000	0.00	O				
16+ 5	0.0000	0.00	O					21+15	0.0000	0.00	O				
16+10	0.0000	0.00	O					21+20	0.0000	0.00	O				
16+15	0.0000	0.00	O					21+25	0.0000	0.00	O				
16+20	0.0000	0.00	O					21+30	0.0000	0.00	O				
16+25	0.0000	0.00	O					21+35	0.0000	0.00	O				
16+30	0.0000	0.00	O					21+40	0.0000	0.00	O				
16+35	0.0000	0.00	O					21+45	0.0000	0.00	O				
16+40	0.0000	0.00	O					21+50	0.0000	0.00	O				
16+45	0.0000	0.00	O					21+55	0.0000	0.00	O				
16+50	0.0000	0.00	O					22+ 0	0.0000	0.00	O				
16+55	0.0000	0.00	O					22+ 5	0.0000	0.00	O				
17+ 0	0.0000	0.00	O					22+10	0.0000	0.00	O				
17+ 5	0.0000	0.00	O					22+15	0.0000	0.00	O				
17+10	0.0000	0.00	O					22+20	0.0000	0.00	O				
17+15	0.0000	0.00	O					22+25	0.0000	0.00	O				
17+20	0.0000	0.00	O					22+30	0.0000	0.00	O				
17+25	0.0000	0.00	O					22+35	0.0000	0.00	O				
17+30	0.0000	0.00	O					22+40	0.0000	0.00	O				
17+35	0.0000	0.00	O					22+45	0.0000	0.00	O				
17+40	0.0000	0.00	O					22+50	0.0000	0.00	O				
17+45	0.0000	0.00	O					22+55	0.0000	0.00	O				
17+50	0.0000	0.00	O					23+ 0	0.0000	0.00	O				
17+55	0.0000	0.00	O					23+ 5	0.0000	0.00	O				
18+ 0	0.0000	0.00	O					23+10	0.0000	0.00	O				
18+ 5	0.0000	0.00	O					23+15	0.0000	0.00	O				
18+10	0.0000	0.00	O					23+20	0.0000	0.00	O				
18+15	0.0000	0.00	O					23+25	0.0000	0.00	O				
18+20	0.0000	0.00	O					23+30	0.0000	0.00	O				

23+35	0.0000	0.00	O					28+45	0.0000	0.00	O				
23+40	0.0000	0.00	O					28+50	0.0000	0.00	O				
23+45	0.0000	0.00	O					28+55	0.0000	0.00	O				
23+50	0.0000	0.00	O					29+ 0	0.0000	0.00	O				
23+55	0.0000	0.00	O					29+ 5	0.0000	0.00	O				
24+ 0	0.0000	0.00	O					29+10	0.0000	0.00	O				
24+ 5	0.0000	0.00	O					29+15	0.0000	0.00	O				
24+10	0.0000	0.00	O					29+20	0.0000	0.00	O				
24+15	0.0000	0.00	O					29+25	0.0000	0.00	O				
24+20	0.0000	0.00	O					29+30	0.0000	0.00	O				
24+25	0.0000	0.00	O					29+35	0.0000	0.00	O				
24+30	0.0000	0.00	O					29+40	0.0000	0.00	O				
24+35	0.0000	0.00	O					29+45	0.0000	0.00	O				
24+40	0.0000	0.00	O					29+50	0.0000	0.00	O				
24+45	0.0000	0.00	O					29+55	0.0000	0.00	O				
24+50	0.0000	0.00	O					30+ 0	0.0000	0.00	O				
24+55	0.0000	0.00	O					30+ 5	0.0000	0.00	O				
25+ 0	0.0000	0.00	O					30+10	0.0000	0.00	O				
25+ 5	0.0000	0.00	O					30+15	0.0000	0.00	O				
25+10	0.0000	0.00	O					30+20	0.0000	0.00	O				
25+15	0.0000	0.00	O					30+25	0.0000	0.00	O				
25+20	0.0000	0.00	O					30+30	0.0000	0.00	O				
25+25	0.0000	0.00	O					30+35	0.0000	0.00	O				
25+30	0.0000	0.00	O					30+40	0.0000	0.00	O				
25+35	0.0000	0.00	O					30+45	0.0000	0.00	O				
25+40	0.0000	0.00	O					30+50	0.0000	0.00	O				
25+45	0.0000	0.00	O					30+55	0.0000	0.00	O				
25+50	0.0000	0.00	O					31+ 0	0.0000	0.00	O				
25+55	0.0000	0.00	O					31+ 5	0.0000	0.00	O				
26+ 0	0.0000	0.00	O					31+10	0.0000	0.00	O				
26+ 5	0.0000	0.00	O					31+15	0.0000	0.00	O				
26+10	0.0000	0.00	O					31+20	0.0000	0.00	O				
26+15	0.0000	0.00	O					31+25	0.0000	0.00	O				
26+20	0.0000	0.00	O					31+30	0.0000	0.00	O				
26+25	0.0000	0.00	O					31+35	0.0000	0.00	O				
26+30	0.0000	0.00	O					31+40	0.0000	0.00	O				
26+35	0.0000	0.00	O					31+45	0.0000	0.00	O				
26+40	0.0000	0.00	O					31+50	0.0000	0.00	O				
26+45	0.0000	0.00	O					31+55	0.0000	0.00	O				
26+50	0.0000	0.00	O					32+ 0	0.0000	0.00	O				
26+55	0.0000	0.00	O					32+ 5	0.0000	0.00	O				
27+ 0	0.0000	0.00	O					32+10	0.0000	0.00	O				
27+ 5	0.0000	0.00	O					32+15	0.0000	0.00	O				
27+10	0.0000	0.00	O					32+20	0.0000	0.00	O				
27+15	0.0000	0.00	O					32+25	0.0000	0.00	O				
27+20	0.0000	0.00	O					32+30	0.0000	0.00	O				
27+25	0.0000	0.00	O					32+35	0.0000	0.00	O				
27+30	0.0000	0.00	O					32+40	0.0000	0.00	O				
27+35	0.0000	0.00	O					32+45	0.0000	0.00	O				
27+40	0.0000	0.00	O					32+50	0.0000	0.00	O				
27+45	0.0000	0.00	O					32+55	0.0000	0.00	O				
27+50	0.0000	0.00	O					33+ 0	0.0000	0.00	O				
27+55	0.0000	0.00	O					33+ 5	0.0000	0.00	O				
28+ 0	0.0000	0.00	O					33+10	0.0000	0.00	O				
28+ 5	0.0000	0.00	O					33+15	0.0000	0.00	O				
28+10	0.0000	0.00	O					33+20	0.0000	0.00	O				
28+15	0.0000	0.00	O					33+25	0.0000	0.00	O				
28+20	0.0000	0.00	O					33+30	0.0000	0.00	O				
28+25	0.0000	0.00	O					33+35	0.0000	0.00	O				
28+30	0.0000	0.00	O					33+40	0.0000	0.00	O				
28+35	0.0000	0.00	O					33+45	0.0000	0.00	O				
28+40	0.0000	0.00	O					33+50	0.0000	0.00	O				

33+55	0.0000	0.00	O					39+ 5	0.0000	0.00	O				
34+ 0	0.0000	0.00	O					39+10	0.0000	0.00	O				
34+ 5	0.0000	0.00	O					39+15	0.0000	0.00	O				
34+10	0.0000	0.00	O					39+20	0.0000	0.00	O				
34+15	0.0000	0.00	O					39+25	0.0000	0.00	O				
34+20	0.0000	0.00	O					39+30	0.0000	0.00	O				
34+25	0.0000	0.00	O					39+35	0.0000	0.00	O				
34+30	0.0000	0.00	O					39+40	0.0000	0.00	O				
34+35	0.0000	0.00	O					39+45	0.0000	0.00	O				
34+40	0.0000	0.00	O					39+50	0.0000	0.00	O				
34+45	0.0000	0.00	O					39+55	0.0000	0.00	O				
34+50	0.0000	0.00	O					40+ 0	0.0000	0.00	O				
34+55	0.0000	0.00	O					40+ 5	0.0000	0.00	O				
35+ 0	0.0000	0.00	O					40+10	0.0000	0.00	O				
35+ 5	0.0000	0.00	O					40+15	0.0000	0.00	O				
35+10	0.0000	0.00	O					40+20	0.0000	0.00	O				
35+15	0.0000	0.00	O					40+25	0.0000	0.00	O				
35+20	0.0000	0.00	O					40+30	0.0000	0.00	O				
35+25	0.0000	0.00	O					40+35	0.0000	0.00	O				
35+30	0.0000	0.00	O					40+40	0.0000	0.00	O				
35+35	0.0000	0.00	O					40+45	0.0000	0.00	O				
35+40	0.0000	0.00	O					40+50	0.0000	0.00	O				
35+45	0.0000	0.00	O					40+55	0.0000	0.00	O				
35+50	0.0000	0.00	O					41+ 0	0.0000	0.00	O				
35+55	0.0000	0.00	O					41+ 5	0.0000	0.00	O				
36+ 0	0.0000	0.00	O					41+10	0.0000	0.00	O				
36+ 5	0.0000	0.00	O					41+15	0.0000	0.00	O				
36+10	0.0000	0.00	O					41+20	0.0000	0.00	O				
36+15	0.0000	0.00	O					41+25	0.0000	0.00	O				
36+20	0.0000	0.00	O					41+30	0.0000	0.00	O				
36+25	0.0000	0.00	O					41+35	0.0000	0.00	O				
36+30	0.0000	0.00	O					41+40	0.0000	0.00	O				
36+35	0.0000	0.00	O					41+45	0.0000	0.00	O				
36+40	0.0000	0.00	O					41+50	0.0000	0.00	O				
36+45	0.0000	0.00	O					41+55	0.0000	0.00	O				
36+50	0.0000	0.00	O					42+ 0	0.0000	0.00	O				
36+55	0.0000	0.00	O					42+ 5	0.0000	0.00	O				
37+ 0	0.0000	0.00	O					42+10	0.0000	0.00	O				
37+ 5	0.0000	0.00	O					42+15	0.0000	0.00	O				
37+10	0.0000	0.00	O					42+20	0.0000	0.00	O				
37+15	0.0000	0.00	O					42+25	0.0000	0.00	O				
37+20	0.0000	0.00	O					42+30	0.0000	0.00	O				
37+25	0.0000	0.00	O					42+35	0.0000	0.00	O				
37+30	0.0000	0.00	O					42+40	0.0000	0.00	O				
37+35	0.0000	0.00	O					42+45	0.0000	0.00	O				
37+40	0.0000	0.00	O					42+50	0.0000	0.00	O				
37+45	0.0000	0.00	O					42+55	0.0000	0.00	O				
37+50	0.0000	0.00	O					43+ 0	0.0000	0.00	O				
37+55	0.0000	0.00	O					43+ 5	0.0000	0.00	O				
38+ 0	0.0000	0.00	O					43+10	0.0000	0.00	O				
38+ 5	0.0000	0.00	O					43+15	0.0000	0.00	O				
38+10	0.0000	0.00	O					43+20	0.0000	0.00	O				
38+15	0.0000	0.00	O					43+25	0.0000	0.00	O				
38+20	0.0000	0.00	O					43+30	0.0000	0.00	O				
38+25	0.0000	0.00	O					43+35	0.0000	0.00	O				
38+30	0.0000	0.00	O					43+40	0.0000	0.00	O				
38+35	0.0000	0.00	O					43+45	0.0000	0.00	O				
38+40	0.0000	0.00	O					43+50	0.0000	0.00	O				
38+45	0.0000	0.00	O					43+55	0.0000	0.00	O				
38+50	0.0000	0.00	O					44+ 0	0.0000	0.00	O				
38+55	0.0000	0.00	O					44+ 5	0.0000	0.00	O				
39+ 0	0.0000	0.00	O					44+10	0.0000	0.00	O				

44+15	0.0000	0.00	O					49+25	0.0000	0.00	O				
44+20	0.0000	0.00	O					49+30	0.0000	0.00	O				
44+25	0.0000	0.00	O					49+35	0.0000	0.00	O				
44+30	0.0000	0.00	O					49+40	0.0000	0.00	O				
44+35	0.0000	0.00	O					49+45	0.0000	0.00	O				
44+40	0.0000	0.00	O					49+50	0.0000	0.00	O				
44+45	0.0000	0.00	O					49+55	0.0000	0.00	O				
44+50	0.0000	0.00	O					50+ 0	0.0000	0.00	O				
44+55	0.0000	0.00	O					50+ 5	0.0000	0.00	O				
45+ 0	0.0000	0.00	O					50+10	0.0000	0.00	O				
45+ 5	0.0000	0.00	O					50+15	0.0000	0.00	O				
45+10	0.0000	0.00	O					50+20	0.0000	0.00	O				
45+15	0.0000	0.00	O					50+25	0.0000	0.00	O				
45+20	0.0000	0.00	O					50+30	0.0000	0.00	O				
45+25	0.0000	0.00	O					50+35	0.0000	0.00	O				
45+30	0.0000	0.00	O					50+40	0.0000	0.00	O				
45+35	0.0000	0.00	O					50+45	0.0000	0.00	O				
45+40	0.0000	0.00	O					50+50	0.0000	0.00	O				
45+45	0.0000	0.00	O					50+55	0.0000	0.00	O				
45+50	0.0000	0.00	O					51+ 0	0.0000	0.00	O				
45+55	0.0000	0.00	O					51+ 5	0.0000	0.00	O				
46+ 0	0.0000	0.00	O					51+10	0.0000	0.00	O				
46+ 5	0.0000	0.00	O					51+15	0.0000	0.00	O				
46+10	0.0000	0.00	O					51+20	0.0000	0.00	O				
46+15	0.0000	0.00	O					51+25	0.0000	0.00	O				
46+20	0.0000	0.00	O					51+30	0.0000	0.00	O				
46+25	0.0000	0.00	O					51+35	0.0000	0.00	O				
46+30	0.0000	0.00	O					51+40	0.0000	0.00	O				
46+35	0.0000	0.00	O					51+45	0.0000	0.00	O				
46+40	0.0000	0.00	O					51+50	0.0000	0.00	O				
46+45	0.0000	0.00	O					51+55	0.0000	0.00	O				
46+50	0.0000	0.00	O					52+ 0	0.0000	0.00	O				
46+55	0.0000	0.00	O					52+ 5	0.0000	0.00	O				
47+ 0	0.0000	0.00	O					52+10	0.0000	0.00	O				
47+ 5	0.0000	0.00	O					52+15	0.0000	0.00	O				
47+10	0.0000	0.00	O					52+20	0.0000	0.00	O				
47+15	0.0000	0.00	O					52+25	0.0000	0.00	O				
47+20	0.0000	0.00	O					52+30	0.0000	0.00	O				
47+25	0.0000	0.00	O					52+35	0.0000	0.00	O				
47+30	0.0000	0.00	O					52+40	0.0000	0.00	O				
47+35	0.0000	0.00	O					52+45	0.0000	0.00	O				
47+40	0.0000	0.00	O					52+50	0.0000	0.00	O				
47+45	0.0000	0.00	O					52+55	0.0000	0.00	O				
47+50	0.0000	0.00	O					53+ 0	0.0000	0.00	O				
47+55	0.0000	0.00	O					53+ 5	0.0000	0.00	O				
48+ 0	0.0000	0.00	O					53+10	0.0000	0.00	O				
48+ 5	0.0000	0.00	O					53+15	0.0000	0.00	O				
48+10	0.0000	0.00	O					53+20	0.0000	0.00	O				
48+15	0.0000	0.00	O					53+25	0.0000	0.00	O				
48+20	0.0000	0.00	O					53+30	0.0000	0.00	O				
48+25	0.0000	0.00	O					53+35	0.0000	0.00	O				
48+30	0.0000	0.00	O					53+40	0.0000	0.00	O				
48+35	0.0000	0.00	O					53+45	0.0000	0.00	O				
48+40	0.0000	0.00	O					53+50	0.0000	0.00	O				
48+45	0.0000	0.00	O					53+55	0.0000	0.00	O				
48+50	0.0000	0.00	O					54+ 0	0.0000	0.00	O				
48+55	0.0000	0.00	O					54+ 5	0.0000	0.00	O				
49+ 0	0.0000	0.00	O					54+10	0.0000	0.00	O				
49+ 5	0.0000	0.00	O					54+15	0.0000	0.00	O				
49+10	0.0000	0.00	O					54+20	0.0000	0.00	O				
49+15	0.0000	0.00	O					54+25	0.0000	0.00	O				
49+20	0.0000	0.00	O					54+30	0.0000	0.00	O				

54+35	0.0000	0.00	O					59+45	0.0000	0.00	O				
54+40	0.0000	0.00	O					59+50	0.0000	0.00	O				
54+45	0.0000	0.00	O					59+55	0.0000	0.00	O				
54+50	0.0000	0.00	O					60+ 0	0.0000	0.00	O				
54+55	0.0000	0.00	O					60+ 5	0.0000	0.00	O				
55+ 0	0.0000	0.00	O					60+10	0.0000	0.00	O				
55+ 5	0.0000	0.00	O					60+15	0.0000	0.00	O				
55+10	0.0000	0.00	O					60+20	0.0000	0.00	O				
55+15	0.0000	0.00	O					60+25	0.0000	0.00	O				
55+20	0.0000	0.00	O					60+30	0.0000	0.00	O				
55+25	0.0000	0.00	O					60+35	0.0000	0.00	O				
55+30	0.0000	0.00	O					60+40	0.0000	0.00	O				
55+35	0.0000	0.00	O					60+45	0.0000	0.00	O				
55+40	0.0000	0.00	O					60+50	0.0000	0.00	O				
55+45	0.0000	0.00	O					60+55	0.0000	0.00	O				
55+50	0.0000	0.00	O					61+ 0	0.0000	0.00	O				
55+55	0.0000	0.00	O					61+ 5	0.0000	0.00	O				
56+ 0	0.0000	0.00	O					61+10	0.0000	0.00	O				
56+ 5	0.0000	0.00	O					61+15	0.0000	0.00	O				
56+10	0.0000	0.00	O					61+20	0.0000	0.00	O				
56+15	0.0000	0.00	O					61+25	0.0000	0.00	O				
56+20	0.0000	0.00	O					61+30	0.0000	0.00	O				
56+25	0.0000	0.00	O					61+35	0.0000	0.00	O				
56+30	0.0000	0.00	O					61+40	0.0000	0.00	O				
56+35	0.0000	0.00	O					61+45	0.0000	0.00	O				
56+40	0.0000	0.00	O					61+50	0.0000	0.00	O				
56+45	0.0000	0.00	O					61+55	0.0000	0.00	O				
56+50	0.0000	0.00	O					62+ 0	0.0000	0.00	O				
56+55	0.0000	0.00	O					62+ 5	0.0000	0.00	O				
57+ 0	0.0000	0.00	O					62+10	0.0000	0.00	O				
57+ 5	0.0000	0.00	O					62+15	0.0000	0.00	O				
57+10	0.0000	0.00	O					62+20	0.0000	0.00	O				
57+15	0.0000	0.00	O					62+25	0.0000	0.00	O				
57+20	0.0000	0.00	O					62+30	0.0000	0.00	O				
57+25	0.0000	0.00	O					62+35	0.0000	0.00	O				
57+30	0.0000	0.00	O					62+40	0.0000	0.00	O				
57+35	0.0000	0.00	O					62+45	0.0000	0.00	O				
57+40	0.0000	0.00	O					62+50	0.0000	0.00	O				
57+45	0.0000	0.00	O					62+55	0.0000	0.00	O				
57+50	0.0000	0.00	O					63+ 0	0.0000	0.00	O				
57+55	0.0000	0.00	O					63+ 5	0.0000	0.00	O				
58+ 0	0.0000	0.00	O					63+10	0.0000	0.00	O				
58+ 5	0.0000	0.00	O					63+15	0.0000	0.00	O				
58+10	0.0000	0.00	O					63+20	0.0000	0.00	O				
58+15	0.0000	0.00	O					63+25	0.0000	0.00	O				
58+20	0.0000	0.00	O					63+30	0.0000	0.00	O				
58+25	0.0000	0.00	O					63+35	0.0000	0.00	O				
58+30	0.0000	0.00	O					63+40	0.0000	0.00	O				
58+35	0.0000	0.00	O					63+45	0.0000	0.00	O				
58+40	0.0000	0.00	O					63+50	0.0000	0.00	O				
58+45	0.0000	0.00	O					63+55	0.0000	0.00	O				
58+50	0.0000	0.00	O					64+ 0	0.0000	0.00	O				
58+55	0.0000	0.00	O					64+ 5	0.0000	0.00	O				
59+ 0	0.0000	0.00	O					64+10	0.0000	0.00	O				
59+ 5	0.0000	0.00	O					64+15	0.0000	0.00	O				
59+10	0.0000	0.00	O					64+20	0.0000	0.00	O				
59+15	0.0000	0.00	O					64+25	0.0000	0.00	O				
59+20	0.0000	0.00	O					64+30	0.0000	0.00	O				
59+25	0.0000	0.00	O					64+35	0.0000	0.00	O				
59+30	0.0000	0.00	O					64+40	0.0000	0.00	O				
59+35	0.0000	0.00	O					64+45	0.0000	0.00	O				
59+40	0.0000	0.00	O					64+50	0.0000	0.00	O				

64+55	0.0000	0.00	O					70+ 5	0.0000	0.00	O				
65+ 0	0.0000	0.00	O					70+10	0.0000	0.00	O				
65+ 5	0.0000	0.00	O					70+15	0.0000	0.00	O				
65+10	0.0000	0.00	O					70+20	0.0000	0.00	O				
65+15	0.0000	0.00	O					70+25	0.0000	0.00	O				
65+20	0.0000	0.00	O					70+30	0.0000	0.00	O				
65+25	0.0000	0.00	O					70+35	0.0000	0.00	O				
65+30	0.0000	0.00	O					70+40	0.0000	0.00	O				
65+35	0.0000	0.00	O					70+45	0.0000	0.00	O				
65+40	0.0000	0.00	O					70+50	0.0000	0.00	O				
65+45	0.0000	0.00	O					70+55	0.0000	0.00	O				
65+50	0.0000	0.00	O					71+ 0	0.0000	0.00	O				
65+55	0.0000	0.00	O					71+ 5	0.0000	0.00	O				
66+ 0	0.0000	0.00	O					71+10	0.0000	0.00	O				
66+ 5	0.0000	0.00	O					71+15	0.0000	0.00	O				
66+10	0.0000	0.00	O					71+20	0.0000	0.00	O				
66+15	0.0000	0.00	O					71+25	0.0000	0.00	O				
66+20	0.0000	0.00	O					71+30	0.0000	0.00	O				
66+25	0.0000	0.00	O					71+35	0.0000	0.00	O				
66+30	0.0000	0.00	O					71+40	0.0000	0.00	O				
66+35	0.0000	0.00	O					71+45	0.0000	0.00	O				
66+40	0.0000	0.00	O					71+50	0.0000	0.00	O				
66+45	0.0000	0.00	O					71+55	0.0000	0.00	O				
66+50	0.0000	0.00	O					72+ 0	0.0000	0.00	O				
66+55	0.0000	0.00	O					72+ 5	0.0000	0.00	O				
67+ 0	0.0000	0.00	O					72+10	0.0000	0.00	O				
67+ 5	0.0000	0.00	O					72+15	0.0000	0.00	O				
67+10	0.0000	0.00	O					72+20	0.0000	0.00	O				
67+15	0.0000	0.00	O					72+25	0.0000	0.00	O				
67+20	0.0000	0.00	O					72+30	0.0000	0.00	O				
67+25	0.0000	0.00	O					72+35	0.0000	0.00	O				
67+30	0.0000	0.00	O					72+40	0.0000	0.00	O				
67+35	0.0000	0.00	O					72+45	0.0000	0.00	O				
67+40	0.0000	0.00	O					72+50	0.0000	0.00	O				
67+45	0.0000	0.00	O					72+55	0.0000	0.00	O				
67+50	0.0000	0.00	O					73+ 0	0.0000	0.00	O				
67+55	0.0000	0.00	O					73+ 5	0.0000	0.00	O				
68+ 0	0.0000	0.00	O					73+10	0.0000	0.00	O				
68+ 5	0.0000	0.00	O					73+15	0.0000	0.00	O				
68+10	0.0000	0.00	O					73+20	0.0000	0.00	O				
68+15	0.0000	0.00	O					73+25	0.0000	0.00	O				
68+20	0.0000	0.00	O					73+30	0.0000	0.00	O				
68+25	0.0000	0.00	O					73+35	0.0000	0.00	O				
68+30	0.0000	0.00	O					73+40	0.0000	0.00	O				
68+35	0.0000	0.00	O					73+45	0.0000	0.00	O				
68+40	0.0000	0.00	O					73+50	0.0000	0.00	O				
68+45	0.0000	0.00	O					73+55	0.0000	0.00	O				
68+50	0.0000	0.00	O					74+ 0	0.0000	0.00	O				
68+55	0.0000	0.00	O					74+ 5	0.0000	0.00	O				
69+ 0	0.0000	0.00	O					74+10	0.0000	0.00	O				
69+ 5	0.0000	0.00	O					74+15	0.0000	0.00	O				
69+10	0.0000	0.00	O					74+20	0.0000	0.00	O				
69+15	0.0000	0.00	O					74+25	0.0000	0.00	O				
69+20	0.0000	0.00	O					74+30	0.0000	0.00	O				
69+25	0.0000	0.00	O					74+35	0.0000	0.00	O				
69+30	0.0000	0.00	O					74+40	0.0000	0.00	O				
69+35	0.0000	0.00	O					74+45	0.0000	0.00	O				
69+40	0.0000	0.00	O					74+50	0.0000	0.00	O				
69+45	0.0000	0.00	O					74+55	0.0000	0.00	O				
69+50	0.0000	0.00	O					75+ 0	0.0000	0.00	O				
69+55	0.0000	0.00	O					75+ 5	0.0000	0.00	O				
70+ 0	0.0000	0.00	O					75+10	0.0000	0.00	O				

75+15	0.0000	0.00	O					80+25	0.0000	0.00	O				
75+20	0.0000	0.00	O					80+30	0.0000	0.00	O				
75+25	0.0000	0.00	O					80+35	0.0000	0.00	O				
75+30	0.0000	0.00	O					80+40	0.0000	0.00	O				
75+35	0.0000	0.00	O					80+45	0.0000	0.00	O				
75+40	0.0000	0.00	O					80+50	0.0000	0.00	O				
75+45	0.0000	0.00	O					80+55	0.0000	0.00	O				
75+50	0.0000	0.00	O					81+ 0	0.0000	0.00	O				
75+55	0.0000	0.00	O					81+ 5	0.0000	0.00	O				
76+ 0	0.0000	0.00	O					81+10	0.0000	0.00	O				
76+ 5	0.0000	0.00	O					81+15	0.0000	0.00	O				
76+10	0.0000	0.00	O					81+20	0.0000	0.00	O				
76+15	0.0000	0.00	O					81+25	0.0000	0.00	O				
76+20	0.0000	0.00	O					81+30	0.0000	0.00	O				
76+25	0.0000	0.00	O					81+35	0.0000	0.00	O				
76+30	0.0000	0.00	O					81+40	0.0000	0.00	O				
76+35	0.0000	0.00	O					81+45	0.0000	0.00	O				
76+40	0.0000	0.00	O					81+50	0.0000	0.00	O				
76+45	0.0000	0.00	O					81+55	0.0000	0.00	O				
76+50	0.0000	0.00	O					82+ 0	0.0000	0.00	O				
76+55	0.0000	0.00	O					82+ 5	0.0000	0.00	O				
77+ 0	0.0000	0.00	O					82+10	0.0000	0.00	O				
77+ 5	0.0000	0.00	O					82+15	0.0000	0.00	O				
77+10	0.0000	0.00	O					82+20	0.0000	0.00	O				
77+15	0.0000	0.00	O					82+25	0.0000	0.00	O				
77+20	0.0000	0.00	O					82+30	0.0000	0.00	O				
77+25	0.0000	0.00	O					82+35	0.0000	0.00	O				
77+30	0.0000	0.00	O					82+40	0.0000	0.00	O				
77+35	0.0000	0.00	O					82+45	0.0000	0.00	O				
77+40	0.0000	0.00	O					82+50	0.0000	0.00	O				
77+45	0.0000	0.00	O					82+55	0.0000	0.00	O				
77+50	0.0000	0.00	O					83+ 0	0.0000	0.00	O				
77+55	0.0000	0.00	O					83+ 5	0.0000	0.00	O				
78+ 0	0.0000	0.00	O					83+10	0.0000	0.00	O				
78+ 5	0.0000	0.00	O					83+15	0.0000	0.00	O				
78+10	0.0000	0.00	O					83+20	0.0000	0.00	O				
78+15	0.0000	0.00	O					83+25	0.0000	0.00	O				
78+20	0.0000	0.00	O					83+30	0.0000	0.00	O				
78+25	0.0000	0.00	O					83+35	0.0000	0.00	O				
78+30	0.0000	0.00	O					83+40	0.0000	0.00	O				
78+35	0.0000	0.00	O					83+45	0.0000	0.00	O				
78+40	0.0000	0.00	O					83+50	0.0000	0.00	O				
78+45	0.0000	0.00	O					83+55	0.0000	0.00	O				
78+50	0.0000	0.00	O					84+ 0	0.0000	0.00	O				
78+55	0.0000	0.00	O					84+ 5	0.0000	0.00	O				
79+ 0	0.0000	0.00	O					84+10	0.0000	0.00	O				
79+ 5	0.0000	0.00	O					84+15	0.0000	0.00	O				
79+10	0.0000	0.00	O					84+20	0.0000	0.00	O				
79+15	0.0000	0.00	O					84+25	0.0000	0.00	O				
79+20	0.0000	0.00	O					84+30	0.0000	0.00	O				
79+25	0.0000	0.00	O					84+35	0.0000	0.00	O				
79+30	0.0000	0.00	O					84+40	0.0000	0.00	O				
79+35	0.0000	0.00	O					84+45	0.0000	0.00	O				
79+40	0.0000	0.00	O					84+50	0.0000	0.00	O				
79+45	0.0000	0.00	O					84+55	0.0000	0.00	O				
79+50	0.0000	0.00	O					85+ 0	0.0000	0.00	O				
79+55	0.0000	0.00	O					85+ 5	0.0000	0.00	O				
80+ 0	0.0000	0.00	O					85+10	0.0000	0.00	O				
80+ 5	0.0000	0.00	O					85+15	0.0000	0.00	O				
80+10	0.0000	0.00	O					85+20	0.0000	0.00	O				
80+15	0.0000	0.00	O					85+25	0.0000	0.00	O				
80+20	0.0000	0.00	O					85+30	0.0000	0.00	O				

85+35	0.0000	0.00	O					90+45	0.0000	0.00	O				
85+40	0.0000	0.00	O					90+50	0.0000	0.00	O				
85+45	0.0000	0.00	O					90+55	0.0000	0.00	O				
85+50	0.0000	0.00	O					91+ 0	0.0000	0.00	O				
85+55	0.0000	0.00	O					91+ 5	0.0000	0.00	O				
86+ 0	0.0000	0.00	O					91+10	0.0000	0.00	O				
86+ 5	0.0000	0.00	O					91+15	0.0000	0.00	O				
86+10	0.0000	0.00	O					91+20	0.0000	0.00	O				
86+15	0.0000	0.00	O					91+25	0.0000	0.00	O				
86+20	0.0000	0.00	O					91+30	0.0000	0.00	O				
86+25	0.0000	0.00	O					91+35	0.0000	0.00	O				
86+30	0.0000	0.00	O					91+40	0.0000	0.00	O				
86+35	0.0000	0.00	O					91+45	0.0000	0.00	O				
86+40	0.0000	0.00	O					91+50	0.0000	0.00	O				
86+45	0.0000	0.00	O					91+55	0.0000	0.00	O				
86+50	0.0000	0.00	O					92+ 0	0.0000	0.00	O				
86+55	0.0000	0.00	O					92+ 5	0.0000	0.00	O				
87+ 0	0.0000	0.00	O					92+10	0.0000	0.00	O				
87+ 5	0.0000	0.00	O					92+15	0.0000	0.00	O				
87+10	0.0000	0.00	O					92+20	0.0000	0.00	O				
87+15	0.0000	0.00	O					92+25	0.0000	0.00	O				
87+20	0.0000	0.00	O					92+30	0.0000	0.00	O				
87+25	0.0000	0.00	O					92+35	0.0000	0.00	O				
87+30	0.0000	0.00	O					92+40	0.0000	0.00	O				
87+35	0.0000	0.00	O					92+45	0.0000	0.00	O				
87+40	0.0000	0.00	O					92+50	0.0000	0.00	O				
87+45	0.0000	0.00	O					92+55	0.0000	0.00	O				
87+50	0.0000	0.00	O					93+ 0	0.0000	0.00	O				
87+55	0.0000	0.00	O					93+ 5	0.0000	0.00	O				
88+ 0	0.0000	0.00	O					93+10	0.0000	0.00	O				
88+ 5	0.0000	0.00	O					93+15	0.0000	0.00	O				
88+10	0.0000	0.00	O					93+20	0.0000	0.00	O				
88+15	0.0000	0.00	O					93+25	0.0000	0.00	O				
88+20	0.0000	0.00	O					93+30	0.0000	0.00	O				
88+25	0.0000	0.00	O					93+35	0.0000	0.00	O				
88+30	0.0000	0.00	O					93+40	0.0000	0.00	O				
88+35	0.0000	0.00	O					93+45	0.0000	0.00	O				
88+40	0.0000	0.00	O					93+50	0.0000	0.00	O				
88+45	0.0000	0.00	O					93+55	0.0000	0.00	O				
88+50	0.0000	0.00	O					94+ 0	0.0000	0.00	O				
88+55	0.0000	0.00	O					94+ 5	0.0000	0.00	O				
89+ 0	0.0000	0.00	O					94+10	0.0000	0.00	O				
89+ 5	0.0000	0.00	O					94+15	0.0000	0.00	O				
89+10	0.0000	0.00	O					94+20	0.0000	0.00	O				
89+15	0.0000	0.00	O					94+25	0.0000	0.00	O				
89+20	0.0000	0.00	O					94+30	0.0000	0.00	O				
89+25	0.0000	0.00	O					94+35	0.0000	0.00	O				
89+30	0.0000	0.00	O					94+40	0.0000	0.00	O				
89+35	0.0000	0.00	O					94+45	0.0000	0.00	O				
89+40	0.0000	0.00	O					94+50	0.0000	0.00	O				
89+45	0.0000	0.00	O					94+55	0.0000	0.00	O				
89+50	0.0000	0.00	O					95+ 0	0.0000	0.00	O				
89+55	0.0000	0.00	O					95+ 5	0.0000	0.00	O				
90+ 0	0.0000	0.00	O					95+10	0.0000	0.00	O				
90+ 5	0.0000	0.00	O					95+15	0.0000	0.00	O				
90+10	0.0000	0.00	O					95+20	0.0000	0.00	O				
90+15	0.0000	0.00	O					95+25	0.0000	0.00	O				
90+20	0.0000	0.00	O					95+30	0.0000	0.00	O				
90+25	0.0000	0.00	O					95+35	0.0000	0.00	O				
90+30	0.0000	0.00	O					95+40	0.0000	0.00	O				
90+35	0.0000	0.00	O					95+45	0.0000	0.00	O				
90+40	0.0000	0.00	O					95+50	0.0000	0.00	O				

95+55	0.0000	0.00	O					101+ 5	0.0000	0.00	O				
96+ 0	0.0000	0.00	O					101+10	0.0000	0.00	O				
96+ 5	0.0000	0.00	O					101+15	0.0000	0.00	O				
96+10	0.0000	0.00	O					101+20	0.0000	0.00	O				
96+15	0.0000	0.00	O					101+25	0.0000	0.00	O				
96+20	0.0000	0.00	O					101+30	0.0000	0.00	O				
96+25	0.0000	0.00	O					101+35	0.0000	0.00	O				
96+30	0.0000	0.00	O					101+40	0.0000	0.00	O				
96+35	0.0000	0.00	O					101+45	0.0000	0.00	O				
96+40	0.0000	0.00	O					101+50	0.0000	0.00	O				
96+45	0.0000	0.00	O					101+55	0.0000	0.00	O				
96+50	0.0000	0.00	O					102+ 0	0.0000	0.00	O				
96+55	0.0000	0.00	O					102+ 5	0.0000	0.00	O				
97+ 0	0.0000	0.00	O					102+10	0.0000	0.00	O				
97+ 5	0.0000	0.00	O					102+15	0.0000	0.00	O				
97+10	0.0000	0.00	O					102+20	0.0000	0.00	O				
97+15	0.0000	0.00	O					102+25	0.0000	0.00	O				
97+20	0.0000	0.00	O					102+30	0.0000	0.00	O				
97+25	0.0000	0.00	O					102+35	0.0000	0.00	O				
97+30	0.0000	0.00	O					102+40	0.0000	0.00	O				
97+35	0.0000	0.00	O					102+45	0.0000	0.00	O				
97+40	0.0000	0.00	O					102+50	0.0000	0.00	O				
97+45	0.0000	0.00	O					102+55	0.0000	0.00	O				
97+50	0.0000	0.00	O					103+ 0	0.0000	0.00	O				
97+55	0.0000	0.00	O					103+ 5	0.0000	0.00	O				
98+ 0	0.0000	0.00	O					103+10	0.0000	0.00	O				
98+ 5	0.0000	0.00	O					103+15	0.0000	0.00	O				
98+10	0.0000	0.00	O					103+20	0.0000	0.00	O				
98+15	0.0000	0.00	O					103+25	0.0000	0.00	O				
98+20	0.0000	0.00	O					103+30	0.0000	0.00	O				
98+25	0.0000	0.00	O					103+35	0.0000	0.00	O				
98+30	0.0000	0.00	O					103+40	0.0000	0.00	O				
98+35	0.0000	0.00	O					103+45	0.0000	0.00	O				
98+40	0.0000	0.00	O					103+50	0.0000	0.00	O				
98+45	0.0000	0.00	O					103+55	0.0000	0.00	O				
98+50	0.0000	0.00	O					104+ 0	0.0000	0.00	O				
98+55	0.0000	0.00	O					104+ 5	0.0000	0.00	O				
99+ 0	0.0000	0.00	O					104+10	0.0000	0.00	O				
99+ 5	0.0000	0.00	O					104+15	0.0000	0.00	O				
99+10	0.0000	0.00	O					104+20	0.0000	0.00	O				
99+15	0.0000	0.00	O					104+25	0.0000	0.00	O				
99+20	0.0000	0.00	O					104+30	0.0000	0.00	O				
99+25	0.0000	0.00	O					104+35	0.0000	0.00	O				
99+30	0.0000	0.00	O					104+40	0.0000	0.00	O				
99+35	0.0000	0.00	O					104+45	0.0000	0.00	O				
99+40	0.0000	0.00	O					104+50	0.0000	0.00	O				
99+45	0.0000	0.00	O					104+55	0.0000	0.00	O				
99+50	0.0000	0.00	O					105+ 0	0.0000	0.00	O				
99+55	0.0000	0.00	O					105+ 5	0.0000	0.00	O				
100+ 0	0.0000	0.00	O					105+10	0.0000	0.00	O				
100+ 5	0.0000	0.00	O					105+15	0.0000	0.00	O				
100+10	0.0000	0.00	O					105+20	0.0000	0.00	O				
100+15	0.0000	0.00	O					105+25	0.0000	0.00	O				
100+20	0.0000	0.00	O					105+30	0.0000	0.00	O				
100+25	0.0000	0.00	O					105+35	0.0000	0.00	O				
100+30	0.0000	0.00	O					105+40	0.0000	0.00	O				
100+35	0.0000	0.00	O					105+45	0.0000	0.00	O				
100+40	0.0000	0.00	O					105+50	0.0000	0.00	O				
100+45	0.0000	0.00	O					105+55	0.0000	0.00	O				
100+50	0.0000	0.00	O					106+ 0	0.0000	0.00	O				
100+55	0.0000	0.00	O					106+ 5	0.0000	0.00	O				
101+ 0	0.0000	0.00	O					106+10	0.0000	0.00	O				

106+15	0.0000	0.00	O					111+25	0.0000	0.00	O				
106+20	0.0000	0.00	O					111+30	0.0000	0.00	O				
106+25	0.0000	0.00	O					111+35	0.0000	0.00	O				
106+30	0.0000	0.00	O					111+40	0.0000	0.00	O				
106+35	0.0000	0.00	O					111+45	0.0000	0.00	O				
106+40	0.0000	0.00	O					111+50	0.0000	0.00	O				
106+45	0.0000	0.00	O					111+55	0.0000	0.00	O				
106+50	0.0000	0.00	O					112+ 0	0.0000	0.00	O				
106+55	0.0000	0.00	O					112+ 5	0.0000	0.00	O				
107+ 0	0.0000	0.00	O					112+10	0.0000	0.00	O				
107+ 5	0.0000	0.00	O					112+15	0.0000	0.00	O				
107+10	0.0000	0.00	O					112+20	0.0000	0.00	O				
107+15	0.0000	0.00	O					112+25	0.0000	0.00	O				
107+20	0.0000	0.00	O					112+30	0.0000	0.00	O				
107+25	0.0000	0.00	O					112+35	0.0000	0.00	O				
107+30	0.0000	0.00	O					112+40	0.0000	0.00	O				
107+35	0.0000	0.00	O					112+45	0.0000	0.00	O				
107+40	0.0000	0.00	O					112+50	0.0000	0.00	O				
107+45	0.0000	0.00	O					112+55	0.0000	0.00	O				
107+50	0.0000	0.00	O					113+ 0	0.0000	0.00	O				
107+55	0.0000	0.00	O					113+ 5	0.0000	0.00	O				
108+ 0	0.0000	0.00	O					113+10	0.0000	0.00	O				
108+ 5	0.0000	0.00	O					113+15	0.0000	0.00	O				
108+10	0.0000	0.00	O					113+20	0.0000	0.00	O				
108+15	0.0000	0.00	O					113+25	0.0000	0.00	O				
108+20	0.0000	0.00	O					113+30	0.0000	0.00	O				
108+25	0.0000	0.00	O					113+35	0.0000	0.00	O				
108+30	0.0000	0.00	O					113+40	0.0000	0.00	O				
108+35	0.0000	0.00	O					113+45	0.0000	0.00	O				
108+40	0.0000	0.00	O					113+50	0.0000	0.00	O				
108+45	0.0000	0.00	O					113+55	0.0000	0.00	O				
108+50	0.0000	0.00	O					114+ 0	0.0000	0.00	O				
108+55	0.0000	0.00	O					114+ 5	0.0000	0.00	O				
109+ 0	0.0000	0.00	O					114+10	0.0000	0.00	O				
109+ 5	0.0000	0.00	O					114+15	0.0000	0.00	O				
109+10	0.0000	0.00	O					114+20	0.0000	0.00	O				
109+15	0.0000	0.00	O					114+25	0.0000	0.00	O				
109+20	0.0000	0.00	O					114+30	0.0000	0.00	O				
109+25	0.0000	0.00	O					114+35	0.0000	0.00	O				
109+30	0.0000	0.00	O					114+40	0.0000	0.00	O				
109+35	0.0000	0.00	O					114+45	0.0000	0.00	O				
109+40	0.0000	0.00	O					114+50	0.0000	0.00	O				
109+45	0.0000	0.00	O					114+55	0.0000	0.00	O				
109+50	0.0000	0.00	O					115+ 0	0.0000	0.00	O				
109+55	0.0000	0.00	O					115+ 5	0.0000	0.00	O				
110+ 0	0.0000	0.00	O					115+10	0.0000	0.00	O				
110+ 5	0.0000	0.00	O					115+15	0.0000	0.00	O				
110+10	0.0000	0.00	O					115+20	0.0000	0.00	O				
110+15	0.0000	0.00	O					115+25	0.0000	0.00	O				
110+20	0.0000	0.00	O					115+30	0.0000	0.00	O				
110+25	0.0000	0.00	O					115+35	0.0000	0.00	O				
110+30	0.0000	0.00	O					115+40	0.0000	0.00	O				
110+35	0.0000	0.00	O					115+45	0.0000	0.00	O				
110+40	0.0000	0.00	O					115+50	0.0000	0.00	O				
110+45	0.0000	0.00	O					115+55	0.0000	0.00	O				
110+50	0.0000	0.00	O					116+ 0	0.0000	0.00	O				
110+55	0.0000	0.00	O					116+ 5	0.0000	0.00	O				
111+ 0	0.0000	0.00	O					116+10	0.0000	0.00	O				
111+ 5	0.0000	0.00	O					116+15	0.0000	0.00	O				
111+10	0.0000	0.00	O					116+20	0.0000	0.00	O				
111+15	0.0000	0.00	O					116+25	0.0000	0.00	O				
111+20	0.0000	0.00	O					116+30	0.0000	0.00	O				

116+35	0.0000	0.00	O					121+45	0.0000	0.00	O				
116+40	0.0000	0.00	O					121+50	0.0000	0.00	O				
116+45	0.0000	0.00	O					121+55	0.0000	0.00	O				
116+50	0.0000	0.00	O					122+ 0	0.0000	0.00	O				
116+55	0.0000	0.00	O					122+ 5	0.0000	0.00	O				
117+ 0	0.0000	0.00	O					122+10	0.0000	0.00	O				
117+ 5	0.0000	0.00	O					122+15	0.0000	0.00	O				
117+10	0.0000	0.00	O					122+20	0.0000	0.00	O				
117+15	0.0000	0.00	O					122+25	0.0000	0.00	O				
117+20	0.0000	0.00	O					122+30	0.0000	0.00	O				
117+25	0.0000	0.00	O					122+35	0.0000	0.00	O				
117+30	0.0000	0.00	O					122+40	0.0000	0.00	O				
117+35	0.0000	0.00	O					122+45	0.0000	0.00	O				
117+40	0.0000	0.00	O					122+50	0.0000	0.00	O				
117+45	0.0000	0.00	O					122+55	0.0000	0.00	O				
117+50	0.0000	0.00	O					123+ 0	0.0000	0.00	O				
117+55	0.0000	0.00	O					123+ 5	0.0000	0.00	O				
118+ 0	0.0000	0.00	O					123+10	0.0000	0.00	O				
118+ 5	0.0000	0.00	O					123+15	0.0000	0.00	O				
118+10	0.0000	0.00	O					123+20	0.0000	0.00	O				
118+15	0.0000	0.00	O					123+25	0.0000	0.00	O				
118+20	0.0000	0.00	O					123+30	0.0000	0.00	O				
118+25	0.0000	0.00	O					123+35	0.0000	0.00	O				
118+30	0.0000	0.00	O					123+40	0.0000	0.00	O				
118+35	0.0000	0.00	O					123+45	0.0000	0.00	O				
118+40	0.0000	0.00	O					123+50	0.0000	0.00	O				
118+45	0.0000	0.00	O					123+55	0.0000	0.00	O				
118+50	0.0000	0.00	O					124+ 0	0.0000	0.00	O				
118+55	0.0000	0.00	O					124+ 5	0.0000	0.00	O				
119+ 0	0.0000	0.00	O					124+10	0.0000	0.00	O				
119+ 5	0.0000	0.00	O					124+15	0.0000	0.00	O				
119+10	0.0000	0.00	O					124+20	0.0000	0.00	O				
119+15	0.0000	0.00	O					124+25	0.0000	0.00	O				
119+20	0.0000	0.00	O					124+30	0.0000	0.00	O				
119+25	0.0000	0.00	O					124+35	0.0000	0.00	O				
119+30	0.0000	0.00	O					124+40	0.0000	0.00	O				
119+35	0.0000	0.00	O					124+45	0.0000	0.00	O				
119+40	0.0000	0.00	O					124+50	0.0000	0.00	O				
119+45	0.0000	0.00	O					124+55	0.0000	0.00	O				
119+50	0.0000	0.00	O					125+ 0	0.0000	0.00	O				
119+55	0.0000	0.00	O					125+ 5	0.0000	0.00	O				
120+ 0	0.0000	0.00	O					125+10	0.0000	0.00	O				
120+ 5	0.0000	0.00	O					125+15	0.0000	0.00	O				
120+10	0.0000	0.00	O					125+20	0.0000	0.00	O				
120+15	0.0000	0.00	O					125+25	0.0000	0.00	O				
120+20	0.0000	0.00	O					125+30	0.0000	0.00	O				
120+25	0.0000	0.00	O					125+35	0.0000	0.00	O				
120+30	0.0000	0.00	O					125+40	0.0000	0.00	O				
120+35	0.0000	0.00	O					125+45	0.0000	0.00	O				
120+40	0.0000	0.00	O					125+50	0.0000	0.00	O				
120+45	0.0000	0.00	O					125+55	0.0000	0.00	O				
120+50	0.0000	0.00	O					126+ 0	0.0000	0.00	O				
120+55	0.0000	0.00	O					126+ 5	0.0000	0.00	O				
121+ 0	0.0000	0.00	O					126+10	0.0000	0.00	O				
121+ 5	0.0000	0.00	O					126+15	0.0000	0.00	O				
121+10	0.0000	0.00	O					126+20	0.0000	0.00	O				
121+15	0.0000	0.00	O					126+25	0.0000	0.00	O				
121+20	0.0000	0.00	O					126+30	0.0000	0.00	O				
121+25	0.0000	0.00	O					126+35	0.0000	0.00	O				
121+30	0.0000	0.00	O					126+40	0.0000	0.00	O				
121+35	0.0000	0.00	O					126+45	0.0000	0.00	O				
121+40	0.0000	0.00	O					126+50	0.0000	0.00	O				

126+55	0.0000	0.00	O					132+ 5	0.0000	0.00	O				
127+ 0	0.0000	0.00	O					132+10	0.0000	0.00	O				
127+ 5	0.0000	0.00	O					132+15	0.0000	0.00	O				
127+10	0.0000	0.00	O					132+20	0.0000	0.00	O				
127+15	0.0000	0.00	O					132+25	0.0000	0.00	O				
127+20	0.0000	0.00	O					132+30	0.0000	0.00	O				
127+25	0.0000	0.00	O					132+35	0.0000	0.00	O				
127+30	0.0000	0.00	O					132+40	0.0000	0.00	O				
127+35	0.0000	0.00	O					132+45	0.0000	0.00	O				
127+40	0.0000	0.00	O					132+50	0.0000	0.00	O				
127+45	0.0000	0.00	O					132+55	0.0000	0.00	O				
127+50	0.0000	0.00	O					133+ 0	0.0000	0.00	O				
127+55	0.0000	0.00	O					133+ 5	0.0000	0.00	O				
128+ 0	0.0000	0.00	O					133+10	0.0000	0.00	O				
128+ 5	0.0000	0.00	O					133+15	0.0000	0.00	O				
128+10	0.0000	0.00	O					133+20	0.0000	0.00	O				
128+15	0.0000	0.00	O					133+25	0.0000	0.00	O				
128+20	0.0000	0.00	O					133+30	0.0000	0.00	O				
128+25	0.0000	0.00	O					133+35	0.0000	0.00	O				
128+30	0.0000	0.00	O					133+40	0.0000	0.00	O				
128+35	0.0000	0.00	O					133+45	0.0000	0.00	O				
128+40	0.0000	0.00	O					133+50	0.0000	0.00	O				
128+45	0.0000	0.00	O					133+55	0.0000	0.00	O				
128+50	0.0000	0.00	O					134+ 0	0.0000	0.00	O				
128+55	0.0000	0.00	O					134+ 5	0.0000	0.00	O				
129+ 0	0.0000	0.00	O					134+10	0.0000	0.00	O				
129+ 5	0.0000	0.00	O					134+15	0.0000	0.00	O				
129+10	0.0000	0.00	O					134+20	0.0000	0.00	O				
129+15	0.0000	0.00	O					134+25	0.0000	0.00	O				
129+20	0.0000	0.00	O					134+30	0.0000	0.00	O				
129+25	0.0000	0.00	O					134+35	0.0000	0.00	O				
129+30	0.0000	0.00	O					134+40	0.0000	0.00	O				
129+35	0.0000	0.00	O					134+45	0.0000	0.00	O				
129+40	0.0000	0.00	O					134+50	0.0000	0.00	O				
129+45	0.0000	0.00	O					134+55	0.0000	0.00	O				
129+50	0.0000	0.00	O					135+ 0	0.0000	0.00	O				
129+55	0.0000	0.00	O					135+ 5	0.0000	0.00	O				
130+ 0	0.0000	0.00	O					135+10	0.0000	0.00	O				
130+ 5	0.0000	0.00	O					135+15	0.0000	0.00	O				
130+10	0.0000	0.00	O					135+20	0.0000	0.00	O				
130+15	0.0000	0.00	O					135+25	0.0000	0.00	O				
130+20	0.0000	0.00	O					135+30	0.0000	0.00	O				
130+25	0.0000	0.00	O					135+35	0.0000	0.00	O				
130+30	0.0000	0.00	O					135+40	0.0000	0.00	O				
130+35	0.0000	0.00	O					135+45	0.0000	0.00	O				
130+40	0.0000	0.00	O					135+50	0.0000	0.00	O				
130+45	0.0000	0.00	O					135+55	0.0000	0.00	O				
130+50	0.0000	0.00	O					136+ 0	0.0000	0.00	O				
130+55	0.0000	0.00	O					136+ 5	0.0000	0.00	O				
131+ 0	0.0000	0.00	O					136+10	0.0000	0.00	O				
131+ 5	0.0000	0.00	O					136+15	0.0000	0.00	O				
131+10	0.0000	0.00	O					136+20	0.0000	0.00	O				
131+15	0.0000	0.00	O					136+25	0.0000	0.00	O				
131+20	0.0000	0.00	O					136+30	0.0000	0.00	O				
131+25	0.0000	0.00	O					136+35	0.0000	0.00	O				
131+30	0.0000	0.00	O					136+40	0.0000	0.00	O				
131+35	0.0000	0.00	O					136+45	0.0000	0.00	O				
131+40	0.0000	0.00	O					136+50	0.0000	0.00	O				
131+45	0.0000	0.00	O					136+55	0.0000	0.00	O				
131+50	0.0000	0.00	O					137+ 0	0.0000	0.00	O				
131+55	0.0000	0.00	O					137+ 5	0.0000	0.00	O				
132+ 0	0.0000	0.00	O					137+10	0.0000	0.00	O				

137+15	0.0000	0.00	O				
137+20	0.0000	0.00	O				
137+25	0.0000	0.00	O				
137+30	0.0000	0.00	O				
137+35	0.0000	0.00	O				
137+40	0.0000	0.00	O				
137+45	0.0000	0.00	O				
137+50	0.0000	0.00	O				
137+55	0.0000	0.00	O				
138+ 0	0.0000	0.00	O				
138+ 5	0.0000	0.00	O				
138+10	0.0000	0.00	O				
138+15	0.0000	0.00	O				
138+20	0.0000	0.00	O				
138+25	0.0000	0.00	O				
138+30	0.0000	0.00	O				
138+35	0.0000	0.00	O				
138+40	0.0000	0.00	O				
138+45	0.0000	0.00	O				
138+50	0.0000	0.00	O				
138+55	0.0000	0.00	O				
139+ 0	0.0000	0.00	O				
139+ 5	0.0000	0.00	O				
139+10	0.0000	0.00	O				
139+15	0.0000	0.00	O				
139+20	0.0000	0.00	O				
139+25	0.0000	0.00	O				
139+30	0.0000	0.00	O				
139+35	0.0000	0.00	O				
139+40	0.0000	0.00	O				
139+45	0.0000	0.00	O				
139+50	0.0000	0.00	O				
139+55	0.0000	0.00	O				

**********HYDROGRAPH DATA**********

Number of intervals = 5000
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 11.816 (CFS)
Total volume = 1.201 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

Process from Point/Station 4.200 to Point/Station 4.500
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP4F1003100.rte

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0 17.7 35.3 53.0 70.7
0+ 5	0.1392	0.16	Q
0+10	0.8822	0.99	Q
0+15	1.8830	2.11	|Q
0+20	2.2253	2.59	|Q
0+25	2.7235	3.26	|Q
0+30	3.5675	4.32	| Q
0+35	4.5355	5.53	| qQ
0+40	5.1678	6.37	| qQ
0+45	5.3642	6.77	| Q
0+50	6.2565	7.84	| qQ
0+55	5.8265	7.52	| qQ
1+ 0	5.2449	7.03	| qQ
1+ 5	6.1136	8.03	| qQ
1+10	8.0101	10.13	| qQ
1+15	9.8430	12.21	| qQ
1+20	10.4568	13.03	| q Q
1+25	10.6398	13.39	| qQ
1+30	11.9006	14.87	| q Q
1+35	14.2547	17.48	| qQ|
1+40	14.7258	18.17	| q Q
1+45	15.2955	18.96	| q Q
1+50	18.0126	21.98	| q Q
1+55	20.1123	24.39	| q Q
2+ 0	19.8969	24.39	| q Q
2+ 5	19.7796	24.43	| q Q
2+10	20.9842	25.85	| q Q
2+15	25.0655	30.37	| q Q
2+20	31.0563	36.91	| q Q
2+25	33.3620	39.78	| q | Q
2+30	39.3037	46.59	| q Q
2+35	53.3300	61.85	| q Q
2+40	60.9440	70.68	| q Q
2+45	58.9452	69.24	| q Q|
2+50	41.8317	52.82	| q Q|
2+55	24.5547	36.37	| q Q
3+ 0	17.1036	27.14	| q| Q
3+ 5	11.3054	18.98	| q Q
3+10	6.1500	11.93	| q Q
3+15	3.3383	7.65	|q Q
3+20	1.9830	5.19	|qQ
3+25	1.2833	3.67	q Q
3+30	0.7777	2.55	qQ
3+35	0.4149	1.73	Q
3+40	0.1815	1.16	Q
3+45	0.0714	0.80	Q
3+50	0.0386	0.58	Q
3+55	0.0156	0.42	Q
4+ 0	0.0021	0.30	Q
4+ 5	0.0000	0.22	Q
4+10	0.0000	0.16	Q
4+15	0.0000	0.12	Q
4+20	0.0000	0.09	Q
4+25	0.0000	0.07	Q
4+30	0.0000	0.05	Q
4+35	0.0000	0.04	Q
4+40	0.0000	0.03	Q
4+45	0.0000	0.02	Q
4+50	0.0000	0.02	Q
4+55	0.0000	0.01	Q
5+ 0	0.0000	0.01	Q

5+ 5	0.0000	0.01	Q					10+15	0.0000	0.00	Q				
5+10	0.0000	0.00	Q					10+20	0.0000	0.00	Q				
5+15	0.0000	0.00	Q					10+25	0.0000	0.00	Q				
5+20	0.0000	0.00	Q					10+30	0.0000	0.00	Q				
5+25	0.0000	0.00	Q					10+35	0.0000	0.00	Q				
5+30	0.0000	0.00	Q					10+40	0.0000	0.00	Q				
5+35	0.0000	0.00	Q					10+45	0.0000	0.00	Q				
5+40	0.0000	0.00	Q					10+50	0.0000	0.00	Q				
5+45	0.0000	0.00	Q					10+55	0.0000	0.00	Q				
5+50	0.0000	0.00	Q					11+ 0	0.0000	0.00	Q				
5+55	0.0000	0.00	Q					11+ 5	0.0000	0.00	Q				
6+ 0	0.0000	0.00	Q					11+10	0.0000	0.00	Q				
6+ 5	0.0000	0.00	Q					11+15	0.0000	0.00	Q				
6+10	0.0000	0.00	Q					11+20	0.0000	0.00	Q				
6+15	0.0000	0.00	Q					11+25	0.0000	0.00	Q				
6+20	0.0000	0.00	Q					11+30	0.0000	0.00	Q				
6+25	0.0000	0.00	Q					11+35	0.0000	0.00	Q				
6+30	0.0000	0.00	Q					11+40	0.0000	0.00	Q				
6+35	0.0000	0.00	Q					11+45	0.0000	0.00	Q				
6+40	0.0000	0.00	Q					11+50	0.0000	0.00	Q				
6+45	0.0000	0.00	Q					11+55	0.0000	0.00	Q				
6+50	0.0000	0.00	Q					12+ 0	0.0000	0.00	Q				
6+55	0.0000	0.00	Q					12+ 5	0.0000	0.00	Q				
7+ 0	0.0000	0.00	Q					12+10	0.0000	0.00	Q				
7+ 5	0.0000	0.00	Q					12+15	0.0000	0.00	Q				
7+10	0.0000	0.00	Q					12+20	0.0000	0.00	Q				
7+15	0.0000	0.00	Q					12+25	0.0000	0.00	Q				
7+20	0.0000	0.00	Q					12+30	0.0000	0.00	Q				
7+25	0.0000	0.00	Q					12+35	0.0000	0.00	Q				
7+30	0.0000	0.00	Q					12+40	0.0000	0.00	Q				
7+35	0.0000	0.00	Q					12+45	0.0000	0.00	Q				
7+40	0.0000	0.00	Q					12+50	0.0000	0.00	Q				
7+45	0.0000	0.00	Q					12+55	0.0000	0.00	Q				
7+50	0.0000	0.00	Q					13+ 0	0.0000	0.00	Q				
7+55	0.0000	0.00	Q					13+ 5	0.0000	0.00	Q				
8+ 0	0.0000	0.00	Q					13+10	0.0000	0.00	Q				
8+ 5	0.0000	0.00	Q					13+15	0.0000	0.00	Q				
8+10	0.0000	0.00	Q					13+20	0.0000	0.00	Q				
8+15	0.0000	0.00	Q					13+25	0.0000	0.00	Q				
8+20	0.0000	0.00	Q					13+30	0.0000	0.00	Q				
8+25	0.0000	0.00	Q					13+35	0.0000	0.00	Q				
8+30	0.0000	0.00	Q					13+40	0.0000	0.00	Q				
8+35	0.0000	0.00	Q					13+45	0.0000	0.00	Q				
8+40	0.0000	0.00	Q					13+50	0.0000	0.00	Q				
8+45	0.0000	0.00	Q					13+55	0.0000	0.00	Q				
8+50	0.0000	0.00	Q					14+ 0	0.0000	0.00	Q				
8+55	0.0000	0.00	Q					14+ 5	0.0000	0.00	Q				
9+ 0	0.0000	0.00	Q					14+10	0.0000	0.00	Q				
9+ 5	0.0000	0.00	Q					14+15	0.0000	0.00	Q				
9+10	0.0000	0.00	Q					14+20	0.0000	0.00	Q				
9+15	0.0000	0.00	Q					14+25	0.0000	0.00	Q				
9+20	0.0000	0.00	Q					14+30	0.0000	0.00	Q				
9+25	0.0000	0.00	Q					14+35	0.0000	0.00	Q				
9+30	0.0000	0.00	Q					14+40	0.0000	0.00	Q				
9+35	0.0000	0.00	Q					14+45	0.0000	0.00	Q				
9+40	0.0000	0.00	Q					14+50	0.0000	0.00	Q				
9+45	0.0000	0.00	Q					14+55	0.0000	0.00	Q				
9+50	0.0000	0.00	Q					15+ 0	0.0000	0.00	Q				
9+55	0.0000	0.00	Q					15+ 5	0.0000	0.00	Q				
10+ 0	0.0000	0.00	Q					15+10	0.0000	0.00	Q				
10+ 5	0.0000	0.00	Q					15+15	0.0000	0.00	Q				
10+10	0.0000	0.00	Q					15+20	0.0000	0.00	Q				

15+25	0.0000	0.00	Q					20+35	0.0000	0.00	Q				
15+30	0.0000	0.00	Q					20+40	0.0000	0.00	Q				
15+35	0.0000	0.00	Q					20+45	0.0000	0.00	Q				
15+40	0.0000	0.00	Q					20+50	0.0000	0.00	Q				
15+45	0.0000	0.00	Q					20+55	0.0000	0.00	Q				
15+50	0.0000	0.00	Q					21+ 0	0.0000	0.00	Q				
15+55	0.0000	0.00	Q					21+ 5	0.0000	0.00	Q				
16+ 0	0.0000	0.00	Q					21+10	0.0000	0.00	Q				
16+ 5	0.0000	0.00	Q					21+15	0.0000	0.00	Q				
16+10	0.0000	0.00	Q					21+20	0.0000	0.00	Q				
16+15	0.0000	0.00	Q					21+25	0.0000	0.00	Q				
16+20	0.0000	0.00	Q					21+30	0.0000	0.00	Q				
16+25	0.0000	0.00	Q					21+35	0.0000	0.00	Q				
16+30	0.0000	0.00	Q					21+40	0.0000	0.00	Q				
16+35	0.0000	0.00	Q					21+45	0.0000	0.00	Q				
16+40	0.0000	0.00	Q					21+50	0.0000	0.00	Q				
16+45	0.0000	0.00	Q					21+55	0.0000	0.00	Q				
16+50	0.0000	0.00	Q					22+ 0	0.0000	0.00	Q				
16+55	0.0000	0.00	Q					22+ 5	0.0000	0.00	Q				
17+ 0	0.0000	0.00	Q					22+10	0.0000	0.00	Q				
17+ 5	0.0000	0.00	Q					22+15	0.0000	0.00	Q				
17+10	0.0000	0.00	Q					22+20	0.0000	0.00	Q				
17+15	0.0000	0.00	Q					22+25	0.0000	0.00	Q				
17+20	0.0000	0.00	Q					22+30	0.0000	0.00	Q				
17+25	0.0000	0.00	Q					22+35	0.0000	0.00	Q				
17+30	0.0000	0.00	Q					22+40	0.0000	0.00	Q				
17+35	0.0000	0.00	Q					22+45	0.0000	0.00	Q				
17+40	0.0000	0.00	Q					22+50	0.0000	0.00	Q				
17+45	0.0000	0.00	Q					22+55	0.0000	0.00	Q				
17+50	0.0000	0.00	Q					23+ 0	0.0000	0.00	Q				
17+55	0.0000	0.00	Q					23+ 5	0.0000	0.00	Q				
18+ 0	0.0000	0.00	Q					23+10	0.0000	0.00	Q				
18+ 5	0.0000	0.00	Q					23+15	0.0000	0.00	Q				
18+10	0.0000	0.00	Q					23+20	0.0000	0.00	Q				
18+15	0.0000	0.00	Q					23+25	0.0000	0.00	Q				
18+20	0.0000	0.00	Q					23+30	0.0000	0.00	Q				
18+25	0.0000	0.00	Q					23+35	0.0000	0.00	Q				
18+30	0.0000	0.00	Q					23+40	0.0000	0.00	Q				
18+35	0.0000	0.00	Q					23+45	0.0000	0.00	Q				
18+40	0.0000	0.00	Q					23+50	0.0000	0.00	Q				
18+45	0.0000	0.00	Q					23+55	0.0000	0.00	Q				
18+50	0.0000	0.00	Q					24+ 0	0.0000	0.00	Q				
18+55	0.0000	0.00	Q					24+ 5	0.0000	0.00	Q				
19+ 0	0.0000	0.00	Q					24+10	0.0000	0.00	Q				
19+ 5	0.0000	0.00	Q					24+15	0.0000	0.00	Q				
19+10	0.0000	0.00	Q					24+20	0.0000	0.00	Q				
19+15	0.0000	0.00	Q					24+25	0.0000	0.00	Q				
19+20	0.0000	0.00	Q					24+30	0.0000	0.00	Q				
19+25	0.0000	0.00	Q					24+35	0.0000	0.00	Q				
19+30	0.0000	0.00	Q					24+40	0.0000	0.00	Q				
19+35	0.0000	0.00	Q					24+45	0.0000	0.00	Q				
19+40	0.0000	0.00	Q					24+50	0.0000	0.00	Q				
19+45	0.0000	0.00	Q					24+55	0.0000	0.00	Q				
19+50	0.0000	0.00	Q					25+ 0	0.0000	0.00	Q				
19+55	0.0000	0.00	Q					25+ 5	0.0000	0.00	Q				
20+ 0	0.0000	0.00	Q					25+10	0.0000	0.00	Q				
20+ 5	0.0000	0.00	Q					25+15	0.0000	0.00	Q				
20+10	0.0000	0.00	Q					25+20	0.0000	0.00	Q				
20+15	0.0000	0.00	Q					25+25	0.0000	0.00	Q				
20+20	0.0000	0.00	Q					25+30	0.0000	0.00	Q				
20+25	0.0000	0.00	Q					25+35	0.0000	0.00	Q				
20+30	0.0000	0.00	Q					25+40	0.0000	0.00	Q				

25+45	0.0000	0.00	Q					30+55	0.0000	0.00	Q				
25+50	0.0000	0.00	Q					31+ 0	0.0000	0.00	Q				
25+55	0.0000	0.00	Q					31+ 5	0.0000	0.00	Q				
26+ 0	0.0000	0.00	Q					31+10	0.0000	0.00	Q				
26+ 5	0.0000	0.00	Q					31+15	0.0000	0.00	Q				
26+10	0.0000	0.00	Q					31+20	0.0000	0.00	Q				
26+15	0.0000	0.00	Q					31+25	0.0000	0.00	Q				
26+20	0.0000	0.00	Q					31+30	0.0000	0.00	Q				
26+25	0.0000	0.00	Q					31+35	0.0000	0.00	Q				
26+30	0.0000	0.00	Q					31+40	0.0000	0.00	Q				
26+35	0.0000	0.00	Q					31+45	0.0000	0.00	Q				
26+40	0.0000	0.00	Q					31+50	0.0000	0.00	Q				
26+45	0.0000	0.00	Q					31+55	0.0000	0.00	Q				
26+50	0.0000	0.00	Q					32+ 0	0.0000	0.00	Q				
26+55	0.0000	0.00	Q					32+ 5	0.0000	0.00	Q				
27+ 0	0.0000	0.00	Q					32+10	0.0000	0.00	Q				
27+ 5	0.0000	0.00	Q					32+15	0.0000	0.00	Q				
27+10	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+50	0.0000	0.00	Q				
27+45	0.0000	0.00	Q					32+55	0.0000	0.00	Q				
27+50	0.0000	0.00	Q					33+ 0	0.0000	0.00	Q				
27+55	0.0000	0.00	Q					33+ 5	0.0000	0.00	Q				
28+ 0	0.0000	0.00	Q					33+10	0.0000	0.00	Q				
28+ 5	0.0000	0.00	Q					33+15	0.0000	0.00	Q				
28+10	0.0000	0.00	Q					33+20	0.0000	0.00	Q				
28+15	0.0000	0.00	Q					33+25	0.0000	0.00	Q				
28+20	0.0000	0.00	Q					33+30	0.0000	0.00	Q				
28+25	0.0000	0.00	Q					33+35	0.0000	0.00	Q				
28+30	0.0000	0.00	Q					33+40	0.0000	0.00	Q				
28+35	0.0000	0.00	Q					33+45	0.0000	0.00	Q				
28+40	0.0000	0.00	Q					33+50	0.0000	0.00	Q				
28+45	0.0000	0.00	Q					33+55	0.0000	0.00	Q				
28+50	0.0000	0.00	Q					34+ 0	0.0000	0.00	Q				
28+55	0.0000	0.00	Q					34+ 5	0.0000	0.00	Q				
29+ 0	0.0000	0.00	Q					34+10	0.0000	0.00	Q				
29+ 5	0.0000	0.00	Q					34+15	0.0000	0.00	Q				
29+10	0.0000	0.00	Q					34+20	0.0000	0.00	Q				
29+15	0.0000	0.00	Q					34+25	0.0000	0.00	Q				
29+20	0.0000	0.00	Q					34+30	0.0000	0.00	Q				
29+25	0.0000	0.00	Q					34+35	0.0000	0.00	Q				
29+30	0.0000	0.00	Q					34+40	0.0000	0.00	Q				
29+35	0.0000	0.00	Q					34+45	0.0000	0.00	Q				
29+40	0.0000	0.00	Q					34+50	0.0000	0.00	Q				
29+45	0.0000	0.00	Q					34+55	0.0000	0.00	Q				
29+50	0.0000	0.00	Q					35+ 0	0.0000	0.00	Q				
29+55	0.0000	0.00	Q					35+ 5	0.0000	0.00	Q				
30+ 0	0.0000	0.00	Q					35+10	0.0000	0.00	Q				
30+ 5	0.0000	0.00	Q					35+15	0.0000	0.00	Q				
30+10	0.0000	0.00	Q					35+20	0.0000	0.00	Q				
30+15	0.0000	0.00	Q					35+25	0.0000	0.00	Q				
30+20	0.0000	0.00	Q					35+30	0.0000	0.00	Q				
30+25	0.0000	0.00	Q					35+35	0.0000	0.00	Q				
30+30	0.0000	0.00	Q					35+40	0.0000	0.00	Q				
30+35	0.0000	0.00	Q					35+45	0.0000	0.00	Q				
30+40	0.0000	0.00	Q					35+50	0.0000	0.00	Q				
30+45	0.0000	0.00	Q					35+55	0.0000	0.00	Q				
30+50	0.0000	0.00	Q					36+ 0	0.0000	0.00	Q				

36+ 5	0.0000	0.00	Q					41+15	0.0000	0.00	Q				
36+10	0.0000	0.00	Q					41+20	0.0000	0.00	Q				
36+15	0.0000	0.00	Q					41+25	0.0000	0.00	Q				
36+20	0.0000	0.00	Q					41+30	0.0000	0.00	Q				
36+25	0.0000	0.00	Q					41+35	0.0000	0.00	Q				
36+30	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+35	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+20	0.0000	0.00	Q				
38+15	0.0000	0.00	Q					43+25	0.0000	0.00	Q				
38+20	0.0000	0.00	Q					43+30	0.0000	0.00	Q				
38+25	0.0000	0.00	Q					43+35	0.0000	0.00	Q				
38+30	0.0000	0.00	Q					43+40	0.0000	0.00	Q				
38+35	0.0000	0.00	Q					43+45	0.0000	0.00	Q				
38+40	0.0000	0.00	Q					43+50	0.0000	0.00	Q				
38+45	0.0000	0.00	Q					43+55	0.0000	0.00	Q				
38+50	0.0000	0.00	Q					44+ 0	0.0000	0.00	Q				
38+55	0.0000	0.00	Q					44+ 5	0.0000	0.00	Q				
39+ 0	0.0000	0.00	Q					44+10	0.0000	0.00	Q				
39+ 5	0.0000	0.00	Q					44+15	0.0000	0.00	Q				
39+10	0.0000	0.00	Q					44+20	0.0000	0.00	Q				
39+15	0.0000	0.00	Q					44+25	0.0000	0.00	Q				
39+20	0.0000	0.00	Q					44+30	0.0000	0.00	Q				
39+25	0.0000	0.00	Q					44+35	0.0000	0.00	Q				
39+30	0.0000	0.00	Q					44+40	0.0000	0.00	Q				
39+35	0.0000	0.00	Q					44+45	0.0000	0.00	Q				
39+40	0.0000	0.00	Q					44+50	0.0000	0.00	Q				
39+45	0.0000	0.00	Q					44+55	0.0000	0.00	Q				
39+50	0.0000	0.00	Q					45+ 0	0.0000	0.00	Q				
39+55	0.0000	0.00	Q					45+ 5	0.0000	0.00	Q				
40+ 0	0.0000	0.00	Q					45+10	0.0000	0.00	Q				
40+ 5	0.0000	0.00	Q					45+15	0.0000	0.00	Q				
40+10	0.0000	0.00	Q					45+20	0.0000	0.00	Q				
40+15	0.0000	0.00	Q					45+25	0.0000	0.00	Q				
40+20	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+20	0.0000	0.00	Q				

46+25	0.0000	0.00	Q					51+35	0.0000	0.00	Q				
46+30	0.0000	0.00	Q					51+40	0.0000	0.00	Q				
46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+30	0.0000	0.00	Q				
48+25	0.0000	0.00	Q					53+35	0.0000	0.00	Q				
48+30	0.0000	0.00	Q					53+40	0.0000	0.00	Q				
48+35	0.0000	0.00	Q					53+45	0.0000	0.00	Q				
48+40	0.0000	0.00	Q					53+50	0.0000	0.00	Q				
48+45	0.0000	0.00	Q					53+55	0.0000	0.00	Q				
48+50	0.0000	0.00	Q					54+ 0	0.0000	0.00	Q				
48+55	0.0000	0.00	Q					54+ 5	0.0000	0.00	Q				
49+ 0	0.0000	0.00	Q					54+10	0.0000	0.00	Q				
49+ 5	0.0000	0.00	Q					54+15	0.0000	0.00	Q				
49+10	0.0000	0.00	Q					54+20	0.0000	0.00	Q				
49+15	0.0000	0.00	Q					54+25	0.0000	0.00	Q				
49+20	0.0000	0.00	Q					54+30	0.0000	0.00	Q				
49+25	0.0000	0.00	Q					54+35	0.0000	0.00	Q				
49+30	0.0000	0.00	Q					54+40	0.0000	0.00	Q				
49+35	0.0000	0.00	Q					54+45	0.0000	0.00	Q				
49+40	0.0000	0.00	Q					54+50	0.0000	0.00	Q				
49+45	0.0000	0.00	Q					54+55	0.0000	0.00	Q				
49+50	0.0000	0.00	Q					55+ 0	0.0000	0.00	Q				
49+55	0.0000	0.00	Q					55+ 5	0.0000	0.00	Q				
50+ 0	0.0000	0.00	Q					55+10	0.0000	0.00	Q				
50+ 5	0.0000	0.00	Q					55+15	0.0000	0.00	Q				
50+10	0.0000	0.00	Q					55+20	0.0000	0.00	Q				
50+15	0.0000	0.00	Q					55+25	0.0000	0.00	Q				
50+20	0.0000	0.00	Q					55+30	0.0000	0.00	Q				
50+25	0.0000	0.00	Q					55+35	0.0000	0.00	Q				
50+30	0.0000	0.00	Q					55+40	0.0000	0.00	Q				
50+35	0.0000	0.00	Q					55+45	0.0000	0.00	Q				
50+40	0.0000	0.00	Q					55+50	0.0000	0.00	Q				
50+45	0.0000	0.00	Q					55+55	0.0000	0.00	Q				
50+50	0.0000	0.00	Q					56+ 0	0.0000	0.00	Q				
50+55	0.0000	0.00	Q					56+ 5	0.0000	0.00	Q				
51+ 0	0.0000	0.00	Q					56+10	0.0000	0.00	Q				
51+ 5	0.0000	0.00	Q					56+15	0.0000	0.00	Q				
51+10	0.0000	0.00	Q					56+20	0.0000	0.00	Q				
51+15	0.0000	0.00	Q					56+25	0.0000	0.00	Q				
51+20	0.0000	0.00	Q					56+30	0.0000	0.00	Q				
51+25	0.0000	0.00	Q					56+35	0.0000	0.00	Q				
51+30	0.0000	0.00	Q					56+40	0.0000	0.00	Q				

56+45	0.0000	0.00	Q					61+55	0.0000	0.00	Q				
56+50	0.0000	0.00	Q					62+ 0	0.0000	0.00	Q				
56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				
58+55	0.0000	0.00	Q					64+ 5	0.0000	0.00	Q				
59+ 0	0.0000	0.00	Q					64+10	0.0000	0.00	Q				
59+ 5	0.0000	0.00	Q					64+15	0.0000	0.00	Q				
59+10	0.0000	0.00	Q					64+20	0.0000	0.00	Q				
59+15	0.0000	0.00	Q					64+25	0.0000	0.00	Q				
59+20	0.0000	0.00	Q					64+30	0.0000	0.00	Q				
59+25	0.0000	0.00	Q					64+35	0.0000	0.00	Q				
59+30	0.0000	0.00	Q					64+40	0.0000	0.00	Q				
59+35	0.0000	0.00	Q					64+45	0.0000	0.00	Q				
59+40	0.0000	0.00	Q					64+50	0.0000	0.00	Q				
59+45	0.0000	0.00	Q					64+55	0.0000	0.00	Q				
59+50	0.0000	0.00	Q					65+ 0	0.0000	0.00	Q				
59+55	0.0000	0.00	Q					65+ 5	0.0000	0.00	Q				
60+ 0	0.0000	0.00	Q					65+10	0.0000	0.00	Q				
60+ 5	0.0000	0.00	Q					65+15	0.0000	0.00	Q				
60+10	0.0000	0.00	Q					65+20	0.0000	0.00	Q				
60+15	0.0000	0.00	Q					65+25	0.0000	0.00	Q				
60+20	0.0000	0.00	Q					65+30	0.0000	0.00	Q				
60+25	0.0000	0.00	Q					65+35	0.0000	0.00	Q				
60+30	0.0000	0.00	Q					65+40	0.0000	0.00	Q				
60+35	0.0000	0.00	Q					65+45	0.0000	0.00	Q				
60+40	0.0000	0.00	Q					65+50	0.0000	0.00	Q				
60+45	0.0000	0.00	Q					65+55	0.0000	0.00	Q				
60+50	0.0000	0.00	Q					66+ 0	0.0000	0.00	Q				
60+55	0.0000	0.00	Q					66+ 5	0.0000	0.00	Q				
61+ 0	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				

67+ 5	0.0000	0.00	Q					72+15	0.0000	0.00	Q				
67+10	0.0000	0.00	Q					72+20	0.0000	0.00	Q				
67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+10	0.0000	0.00	Q				
69+ 5	0.0000	0.00	Q					74+15	0.0000	0.00	Q				
69+10	0.0000	0.00	Q					74+20	0.0000	0.00	Q				
69+15	0.0000	0.00	Q					74+25	0.0000	0.00	Q				
69+20	0.0000	0.00	Q					74+30	0.0000	0.00	Q				
69+25	0.0000	0.00	Q					74+35	0.0000	0.00	Q				
69+30	0.0000	0.00	Q					74+40	0.0000	0.00	Q				
69+35	0.0000	0.00	Q					74+45	0.0000	0.00	Q				
69+40	0.0000	0.00	Q					74+50	0.0000	0.00	Q				
69+45	0.0000	0.00	Q					74+55	0.0000	0.00	Q				
69+50	0.0000	0.00	Q					75+ 0	0.0000	0.00	Q				
69+55	0.0000	0.00	Q					75+ 5	0.0000	0.00	Q				
70+ 0	0.0000	0.00	Q					75+10	0.0000	0.00	Q				
70+ 5	0.0000	0.00	Q					75+15	0.0000	0.00	Q				
70+10	0.0000	0.00	Q					75+20	0.0000	0.00	Q				
70+15	0.0000	0.00	Q					75+25	0.0000	0.00	Q				
70+20	0.0000	0.00	Q					75+30	0.0000	0.00	Q				
70+25	0.0000	0.00	Q					75+35	0.0000	0.00	Q				
70+30	0.0000	0.00	Q					75+40	0.0000	0.00	Q				
70+35	0.0000	0.00	Q					75+45	0.0000	0.00	Q				
70+40	0.0000	0.00	Q					75+50	0.0000	0.00	Q				
70+45	0.0000	0.00	Q					75+55	0.0000	0.00	Q				
70+50	0.0000	0.00	Q					76+ 0	0.0000	0.00	Q				
70+55	0.0000	0.00	Q					76+ 5	0.0000	0.00	Q				
71+ 0	0.0000	0.00	Q					76+10	0.0000	0.00	Q				
71+ 5	0.0000	0.00	Q					76+15	0.0000	0.00	Q				
71+10	0.0000	0.00	Q					76+20	0.0000	0.00	Q				
71+15	0.0000	0.00	Q					76+25	0.0000	0.00	Q				
71+20	0.0000	0.00	Q					76+30	0.0000	0.00	Q				
71+25	0.0000	0.00	Q					76+35	0.0000	0.00	Q				
71+30	0.0000	0.00	Q					76+40	0.0000	0.00	Q				
71+35	0.0000	0.00	Q					76+45	0.0000	0.00	Q				
71+40	0.0000	0.00	Q					76+50	0.0000	0.00	Q				
71+45	0.0000	0.00	Q					76+55	0.0000	0.00	Q				
71+50	0.0000	0.00	Q					77+ 0	0.0000	0.00	Q				
71+55	0.0000	0.00	Q					77+ 5	0.0000	0.00	Q				
72+ 0	0.0000	0.00	Q					77+10	0.0000	0.00	Q				
72+ 5	0.0000	0.00	Q					77+15	0.0000	0.00	Q				
72+10	0.0000	0.00	Q					77+20	0.0000	0.00	Q				

77+25	0.0000	0.00	Q					82+35	0.0000	0.00	Q				
77+30	0.0000	0.00	Q					82+40	0.0000	0.00	Q				
77+35	0.0000	0.00	Q					82+45	0.0000	0.00	Q				
77+40	0.0000	0.00	Q					82+50	0.0000	0.00	Q				
77+45	0.0000	0.00	Q					82+55	0.0000	0.00	Q				
77+50	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q				
77+55	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q				
78+ 0	0.0000	0.00	Q					83+10	0.0000	0.00	Q				
78+ 5	0.0000	0.00	Q					83+15	0.0000	0.00	Q				
78+10	0.0000	0.00	Q					83+20	0.0000	0.00	Q				
78+15	0.0000	0.00	Q					83+25	0.0000	0.00	Q				
78+20	0.0000	0.00	Q					83+30	0.0000	0.00	Q				
78+25	0.0000	0.00	Q					83+35	0.0000	0.00	Q				
78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				
79+25	0.0000	0.00	Q					84+35	0.0000	0.00	Q				
79+30	0.0000	0.00	Q					84+40	0.0000	0.00	Q				
79+35	0.0000	0.00	Q					84+45	0.0000	0.00	Q				
79+40	0.0000	0.00	Q					84+50	0.0000	0.00	Q				
79+45	0.0000	0.00	Q					84+55	0.0000	0.00	Q				
79+50	0.0000	0.00	Q					85+ 0	0.0000	0.00	Q				
79+55	0.0000	0.00	Q					85+ 5	0.0000	0.00	Q				
80+ 0	0.0000	0.00	Q					85+10	0.0000	0.00	Q				
80+ 5	0.0000	0.00	Q					85+15	0.0000	0.00	Q				
80+10	0.0000	0.00	Q					85+20	0.0000	0.00	Q				
80+15	0.0000	0.00	Q					85+25	0.0000	0.00	Q				
80+20	0.0000	0.00	Q					85+30	0.0000	0.00	Q				
80+25	0.0000	0.00	Q					85+35	0.0000	0.00	Q				
80+30	0.0000	0.00	Q					85+40	0.0000	0.00	Q				
80+35	0.0000	0.00	Q					85+45	0.0000	0.00	Q				
80+40	0.0000	0.00	Q					85+50	0.0000	0.00	Q				
80+45	0.0000	0.00	Q					85+55	0.0000	0.00	Q				
80+50	0.0000	0.00	Q					86+ 0	0.0000	0.00	Q				
80+55	0.0000	0.00	Q					86+ 5	0.0000	0.00	Q				
81+ 0	0.0000	0.00	Q					86+10	0.0000	0.00	Q				
81+ 5	0.0000	0.00	Q					86+15	0.0000	0.00	Q				
81+10	0.0000	0.00	Q					86+20	0.0000	0.00	Q				
81+15	0.0000	0.00	Q					86+25	0.0000	0.00	Q				
81+20	0.0000	0.00	Q					86+30	0.0000	0.00	Q				
81+25	0.0000	0.00	Q					86+35	0.0000	0.00	Q				
81+30	0.0000	0.00	Q					86+40	0.0000	0.00	Q				
81+35	0.0000	0.00	Q					86+45	0.0000	0.00	Q				
81+40	0.0000	0.00	Q					86+50	0.0000	0.00	Q				
81+45	0.0000	0.00	Q					86+55	0.0000	0.00	Q				
81+50	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q				
81+55	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q				
82+ 0	0.0000	0.00	Q					87+10	0.0000	0.00	Q				
82+ 5	0.0000	0.00	Q					87+15	0.0000	0.00	Q				
82+10	0.0000	0.00	Q					87+20	0.0000	0.00	Q				
82+15	0.0000	0.00	Q					87+25	0.0000	0.00	Q				
82+20	0.0000	0.00	Q					87+30	0.0000	0.00	Q				
82+25	0.0000	0.00	Q					87+35	0.0000	0.00	Q				
82+30	0.0000	0.00	Q					87+40	0.0000	0.00	Q				

87+45	0.0000	0.00	Q					92+55	0.0000	0.00	Q				
87+50	0.0000	0.00	Q					93+ 0	0.0000	0.00	Q				
87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+50	0.0000	0.00	Q				
89+45	0.0000	0.00	Q					94+55	0.0000	0.00	Q				
89+50	0.0000	0.00	Q					95+ 0	0.0000	0.00	Q				
89+55	0.0000	0.00	Q					95+ 5	0.0000	0.00	Q				
90+ 0	0.0000	0.00	Q					95+10	0.0000	0.00	Q				
90+ 5	0.0000	0.00	Q					95+15	0.0000	0.00	Q				
90+10	0.0000	0.00	Q					95+20	0.0000	0.00	Q				
90+15	0.0000	0.00	Q					95+25	0.0000	0.00	Q				
90+20	0.0000	0.00	Q					95+30	0.0000	0.00	Q				
90+25	0.0000	0.00	Q					95+35	0.0000	0.00	Q				
90+30	0.0000	0.00	Q					95+40	0.0000	0.00	Q				
90+35	0.0000	0.00	Q					95+45	0.0000	0.00	Q				
90+40	0.0000	0.00	Q					95+50	0.0000	0.00	Q				
90+45	0.0000	0.00	Q					95+55	0.0000	0.00	Q				
90+50	0.0000	0.00	Q					96+ 0	0.0000	0.00	Q				
90+55	0.0000	0.00	Q					96+ 5	0.0000	0.00	Q				
91+ 0	0.0000	0.00	Q					96+10	0.0000	0.00	Q				
91+ 5	0.0000	0.00	Q					96+15	0.0000	0.00	Q				
91+10	0.0000	0.00	Q					96+20	0.0000	0.00	Q				
91+15	0.0000	0.00	Q					96+25	0.0000	0.00	Q				
91+20	0.0000	0.00	Q					96+30	0.0000	0.00	Q				
91+25	0.0000	0.00	Q					96+35	0.0000	0.00	Q				
91+30	0.0000	0.00	Q					96+40	0.0000	0.00	Q				
91+35	0.0000	0.00	Q					96+45	0.0000	0.00	Q				
91+40	0.0000	0.00	Q					96+50	0.0000	0.00	Q				
91+45	0.0000	0.00	Q					96+55	0.0000	0.00	Q				
91+50	0.0000	0.00	Q					97+ 0	0.0000	0.00	Q				
91+55	0.0000	0.00	Q					97+ 5	0.0000	0.00	Q				
92+ 0	0.0000	0.00	Q					97+10	0.0000	0.00	Q				
92+ 5	0.0000	0.00	Q					97+15	0.0000	0.00	Q				
92+10	0.0000	0.00	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.00	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.00	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.00	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.00	Q					97+40	0.0000	0.00	Q				
92+35	0.0000	0.00	Q					97+45	0.0000	0.00	Q				
92+40	0.0000	0.00	Q					97+50	0.0000	0.00	Q				
92+45	0.0000	0.00	Q					97+55	0.0000	0.00	Q				
92+50	0.0000	0.00	Q					98+ 0	0.0000	0.00	Q				

98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				
102+55	0.0000	0.00	Q					108+ 5	0.0000	0.00	Q				
103+ 0	0.0000	0.00	Q					108+10	0.0000	0.00	Q				
103+ 5	0.0000	0.00	Q					108+15	0.0000	0.00	Q				
103+10	0.0000	0.00	Q					108+20	0.0000	0.00	Q				

108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				

118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q				
123+50	0.0000	0.00	Q					129+ 0	0.0000	0.00	Q				

129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+10	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+15	0.0000	0.00	Q				
133+10	0.0000	0.00	Q					138+20	0.0000	0.00	Q				
133+15	0.0000	0.00	Q					138+25	0.0000	0.00	Q				
133+20	0.0000	0.00	Q					138+30	0.0000	0.00	Q				
133+25	0.0000	0.00	Q					138+35	0.0000	0.00	Q				
133+30	0.0000	0.00	Q					138+40	0.0000	0.00	Q				
133+35	0.0000	0.00	Q					138+45	0.0000	0.00	Q				
133+40	0.0000	0.00	Q					138+50	0.0000	0.00	Q				
133+45	0.0000	0.00	Q					138+55	0.0000	0.00	Q				
133+50	0.0000	0.00	Q					139+ 0	0.0000	0.00	Q				
133+55	0.0000	0.00	Q					139+ 5	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q					139+10	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q					139+15	0.0000	0.00	Q				
134+10	0.0000	0.00	Q					139+20	0.0000	0.00	Q				

```
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                     Number of intervals =  5000
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       70.683 (CFS)
                     Total volume =       5.712 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.500 to Point/Station        4.610
        **** STREAM ROUTING SCS CONVEX METHOD ****
        ________________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =    653.00 (Ft.)
        Elevation difference =   20.00 (Ft.)
        Slope of channel =  0.030628 (Vert/Horiz)
        Channel type - Pipe


        Pipe length  =   653.00(Ft.)   Elevation difference =  20.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using mean flow rate of hydrograph
        Required pipe flow  =    21.326(CFS)
        Given pipe size =     24.00(In.)
        Calculated individual pipe flow  =    21.326(CFS)
        Normal flow depth in pipe =   12.54(In.)
        Flow top width inside pipe =   23.98(In.)
        Critical Depth =    1.65(Ft.)
        Pipe flow velocity =     12.83(Ft/s)
        Travel time through pipe =    0.85 min.


        Pipe length  =   653.00(Ft.)   Elevation difference =  20.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using maximum flow rate of hydrograph
        Required pipe flow  =    70.683(CFS)
        Given pipe size =     24.00(In.)
        NOTE: Normal flow is pressure flow.
        The total friction loss through the pipe is     20.000(Ft.)
        Pipe friction loss =     16.875(Ft.)
        Minor friction loss =      3.121(Ft.)     K-factor =   1.50
        Maximum capacity of pipe(s) =   36.37(CFS)
        Pipe flow velocity =     11.58(Ft/s)
        Travel time through pipe =    0.94 min.


        ********************** SCS CONVEX CHANNEL ROUTING *********************
        Convex method of stream routing  data items:

        Using equation: Outflow =
        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.8719   Travel time =   0.94 (min.)
                dt*(unit time interval) =   5.00(min.),  e=   4.3995
                dt(routing time-step) =   0.82 (min.),   c* =   0.9999

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals (CFS)
        ------------------------------------------------------------------------
      Time(h+m) Out = O(CFS) In = I  0       17.7      35.3      53.0      70.7
      ------------------------------------------------------------------------
        0+ 5       0.1338      0.16  O         |         |         |         |
        0+10       0.8501      0.99  O         |         |         |         |
        0+15       1.9270      2.11  |O        |         |         |         |
        0+20       2.5112      2.59  |O        |         |         |         |
        0+25       3.1481      3.26  |O        |         |         |         |
        0+30       4.1454      4.32  | O       |         |         |         |
        0+35       5.3276      5.53  |  O      |         |         |         |
        0+40       6.2326      6.37  |  O      |         |         |         |
        0+45       6.7041      6.77  |  O      |         |         |         |
        0+50       7.6650      7.84  |   O     |         |         |         |
        0+55       7.5764      7.52  |   O     |         |         |         |
        1+ 0       7.1076      7.03  |  IO     |         |         |         |
        1+ 5       7.8612      8.03  |   O     |         |         |         |
        1+10       9.7876     10.13  |    O    |         |         |         |
        1+15      11.8705     12.21  |     O   |         |         |         |
        1+20      12.8990     13.03  |      O  |         |         |         |
        1+25      13.3325     13.39  |      O  |         |         |         |
        1+30      14.6304     14.87  |       O |         |         |         |
        1+35      17.0542     17.48  |        O|         |         |         |
        1+40      18.0541     18.17  |         O         |         |         |
        1+45      18.8317     18.96  |         O         |         |         |
        1+50      21.4888     21.98  |         | O       |         |         |
        1+55      23.9918     24.39  |         |  O      |         |         |
        2+ 0      24.3869     24.39  |         |  O      |         |         |
        2+ 5      24.4242     24.43  |         |  O      |         |         |
        2+10      25.6196     25.85  |         |   O     |         |         |
        2+15      29.6249     30.37  |         |     OI  |         |         |
        2+20      36.3667     36.91  |         |         O         |         |
        2+25      36.3667     39.78  |         |         O I       |         |
        2+30      36.3667     46.59  |         |         O     I   |         |
        2+35      36.3667     61.85  |         |         O         |    I    |
        2+40      36.3667     70.68  |         |         O         |         I
        2+45      36.3667     69.24  |         |         O         |        I|
        2+50      36.3667     52.82  |         |         O        I|         |
        2+55      36.3667     36.37  |         |         O         |         |
        3+ 0      36.3667     27.14  |         |    I    O         |         |
        3+ 5      36.3667     18.98  |        I          O         |         |
        3+10      36.3667     11.93  |     I   |         O         |         |
        3+15      36.3667      7.65  |   I     |         O         |         |
        3+20      29.3999      5.19  | I       |     O   |         |         |
        3+25       0.0000      3.67  O I       |         |         |         |
      ------------------------------------------------------------------------
```

```
Note: For pressure channel flow, the basin storage requirements
at the headworks of this channel =     0.85 (Ac.Ft)

*****************************HYDROGRAPH DATA*****************************
                Number of intervals =    41
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       36.367 (CFS)
                Total volume =       5.461 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*************************************************************************

-------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.500 to Point/Station        4.610
**** STORE OR DELETE CURRENT HYDROGRAPH ****
_________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 3 with
a starting time of   0.00 hours and ending time of   3.00 hours
With a total volume of       4.26(Ac.Ft)
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000    36.367     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     4.257     0.000     0.000
*************************************************************************

-------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.500 to Point/Station        4.610
**** STORE OR DELETE CURRENT HYDROGRAPH ****
_________________________________________________________________________
Current stream hydrograph deleted by user.
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000    36.367     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     4.257     0.000     0.000
*************************************************************************

-------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.700 to Point/Station        4.600
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
```

```
_________________________________________________________________________
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP4A1003100.rte
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                  P R I N T   O F   S T O R M
                R u n o f f     H y d r o g r a p h
-------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0      113.8     227.6     341.4     455.2
-------------------------------------------------------------------------
  0+ 5       5.5768      5.58  Q         |         |         |         |
  0+10      36.3132     36.31  |  Q      |         |         |         |
  0+15      52.2017     52.20  |   Q     |         |         |         |
  0+20      54.9667     54.97  |   Q     |         |         |         |
  0+25      67.2475     67.25  |    Q    |         |         |         |
  0+30      75.7977     75.80  |     Q   |         |         |         |
  0+35      85.7790     85.78  |      Q  |         |         |         |
  0+40      84.7908     84.79  |      Q  |         |         |         |
  0+45      91.5872     91.59  |       Q |         |         |         |
  0+50      94.2417     94.24  |       Q |         |         |         |
  0+55      87.1259     87.13  |      Q  |         |         |         |
  1+ 0      87.0587     87.06  |      Q  |         |         |         |
  1+ 5      95.4932     95.49  |       Q |         |         |         |
  1+10     110.8289    110.83  |        Q|         |         |         |
  1+15     118.8597    118.86  |         Q         |         |         |
  1+20     121.1194    121.12  |         Q         |         |         |
  1+25     119.9642    119.96  |         Q         |         |         |
  1+30     136.0982    136.10  |         |Q        |         |         |
  1+35     146.5781    146.58  |         | Q       |         |         |
  1+40     144.2503    144.25  |         | Q       |         |         |
  1+45     154.2014    154.20  |         |  Q      |         |         |
  1+50     175.6154    175.62  |         |    Q    |         |         |
  1+55     179.8723    179.87  |         |    Q    |         |         |
  2+ 0      175.7239    175.72  |         |    Q    |         |         |
  2+ 5      177.1361    177.14  |         |    Q    |         |         |
  2+10     186.9443    186.94  |         |     Q   |         |         |
  2+15     226.6650    226.66  |         |         Q|        |         |
  2+20     262.2048    262.20  |         |          |  Q      |         |
  2+25     255.9462    255.95  |         |          | Q       |         |
  2+30     343.2615    343.26  |         |          |         Q         |
  2+35     413.6298    413.63  |         |          |         |     Q   |
  2+40     455.2369    455.24  |         |          |         |         Q
  2+45     391.9357    391.94  |         |          |         |   Q     |
  2+50     245.2523    245.25  |         |          |        Q|         |
  2+55     163.4480    163.45  |         |          |   Q     |         |
  3+ 0      122.6650    122.67  |         |         Q|         |         |
  3+ 5       69.6145     69.61  |         |     Q    |         |         |
  3+10       32.0570     32.06  | Q       |          |         |         |
  3+15       15.2354     15.24  |Q        |          |         |         |
  3+20        6.8337      6.83  Q         |          |         |         |
  3+25        2.6982      2.70  Q         |          |         |         |
  3+30        1.2338      1.23  Q         |          |         |         |
  3+35        0.6124      0.61  Q         |          |         |         |
  3+40        0.1969      0.20  Q         |          |         |         |
  3+45        0.0260      0.03  Q         |          |         |         |
-------------------------------------------------------------------------

*****************************HYDROGRAPH DATA*****************************
                Number of intervals =    45
                Time interval =    5.0 (Min.)
```

```
                Maximum/Peak flow rate =      455.237 (CFS)
                Total volume =      40.455 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000    36.367     0.000     0.000
          Vol (Ac.Ft)      0.000     0.000     4.257     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.600 to Point/Station        4.600
**** FLOWBY BASIN ROUTING OR SPLIT FLOW ****
_______________________________________________________________________________
All flow in excess of     3.90(CFS) is diverted
into stream number 4
Total volume of excess flow diverted into flowby
basin (stream number 4 ) is      39.35(Ac.Ft)
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    P R I N T   O F   S T O R M
                  R u n o f f      H y d r o g r a p h
-------------------------------------------------------------------------------
              Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------------------
Time(h+m) Volume(Ac.Ft)   Q(CFS)  0        1.0       2.0       2.9       3.9
-------------------------------------------------------------------------------
  0+ 5       0.0269      3.90  V         |         |         |         Q
  0+10       0.0537      3.90  |V        |         |         |         Q
  0+15       0.0806      3.90  | V       |         |         |         Q
  0+20       0.1074      3.90  |  V      |         |         |         Q
  0+25       0.1343      3.90  |   V     |         |         |         Q
  0+30       0.1612      3.90  |    V    |         |         |         Q
  0+35       0.1880      3.90  |     V   |         |         |         Q
  0+40       0.2149      3.90  |      V  |         |         |         Q
  0+45       0.2417      3.90  |       V |         |         |         Q
  0+50       0.2686      3.90  |        V|         |         |         Q
  0+55       0.2955      3.90  |         V         |         |         Q
  1+ 0       0.3223      3.90  |          V        |         |         Q
  1+ 5       0.3492      3.90  |          | V      |         |         Q
  1+10       0.3760      3.90  |          |  V     |         |         Q
  1+15       0.4029      3.90  |          |   V    |         |         Q
  1+20       0.4298      3.90  |          |    V   |         |         Q
  1+25       0.4566      3.90  |          |     V  |         |         Q
  1+30       0.4835      3.90  |          |      V |         |         Q
  1+35       0.5103      3.90  |          |       V|         |         Q
  1+40       0.5372      3.90  |          |        V         |         Q
  1+45       0.5640      3.90  |          |         V        |         Q
  1+50       0.5909      3.90  |          |          V       |         Q
  1+55       0.6178      3.90  |          |          | V     |         Q
  2+ 0       0.6446      3.90  |          |          |  V    |         Q
  2+ 5       0.6715      3.90  |          |          |   V   |         Q
  2+10       0.6983      3.90  |          |          |    V  |         Q
  2+15       0.7252      3.90  |          |          |     V |         Q
  2+20       0.7521      3.90  |          |          |      V|         Q
  2+25       0.7789      3.90  |          |          |       V         Q
  2+30       0.8058      3.90  |          |          |        V        Q
  2+35       0.8326      3.90  |          |          |         V       Q
  2+40       0.8595      3.90  |          |          |          V      Q
  2+45       0.8864      3.90  |          |          |          | V    Q
  2+50       0.9132      3.90  |          |          |          | V    Q
  2+55       0.9401      3.90  |          |          |          |  V   Q
  3+ 0       0.9669      3.90  |          |          |          |   V  Q
  3+ 5       0.9938      3.90  |          |          |          |    V Q
  3+10       1.0207      3.90  |          |          |          |     V Q
  3+15       1.0475      3.90  |          |          |          |      V Q
  3+20       1.0744      3.90  |          |          |          |       V Q
  3+25       1.0930      2.70  |          |          |       Q  |        V|
  3+30       1.1015      1.23  |          |  Q       |          |        V|
  3+35       1.1057      0.61  |     Q    |          |          |        V|
  3+40       1.1070      0.20  |  Q       |          |          |        V|
  3+45       1.1072      0.03  Q          |          |          |        V|
-------------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    45
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        3.900 (CFS)
                    Total volume =       1.107 (Ac.Ft)
              Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000    36.367   451.337     0.000
              Vol (Ac.Ft)      0.000     0.000     4.257    39.348     0.000
      *******************************************************************************

      -------------------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.600 to Point/Station        4.610
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      _______________________________________________________________________________
      From stored stream number 3 the total
      volume of       4.26 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    P R I N T   O F   S T O R M
                  R u n o f f      H y d r o g r a p h
      -------------------------------------------------------------------------------
              Hydrograph in   5   Minute intervals (CFS)

      -------------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        10.1      20.1      30.2      40.3
-------------------------------------------------------------------------------
  0+ 5       0.1338      4.03  q   Q     |         |         |         |
  0+10       0.8501      4.75  q   Q     |         |         |         |
  0+15       1.9270      5.83  |q   Q     |         |         |         |
  0+20       2.5112      6.41  | q   Q    |         |         |         |
  0+25       3.1481      7.05  |  q   Q   |         |         |         |
  0+30       4.1454      8.05  |   q  Q   |         |         |         |
  0+35       5.3276      9.23  |    q   Q|         |         |         |
  0+40       6.2326     10.13  |     q   Q         |         |         |
  0+45       6.7041     10.60  |     q   Q         |         |         |
  0+50       7.6650     11.57  |      q  |Q        |         |         |
  0+55       7.5764     11.48  |      q  |Q        |         |         |
  1+ 0       7.1076     11.01  |      q  Q         |         |         |
  1+ 5       7.8612     11.76  |      q  |Q        |         |         |
  1+10       9.7876     13.69  |        q|  Q      |         |         |
  1+15      11.8705     15.77  |         |q   Q    |         |         |
  1+20      12.8990     16.80  |         | q   Q   |         |         |
  1+25      13.3325     17.23  |         |  q   Q  |         |         |
  1+30      14.6304     18.53  |         |   q   Q |         |         |
  1+35      17.0542     20.95  |         |     q   Q         |         |
```

```
 1+40      18.0541     21.95  |          |      q  |Q         |          |
 1+45      18.8317     22.73  |          |       q | Q        |          |
 1+50      21.4888     25.39  |          |         |q   Q     |          |
 1+55      23.9918     27.89  |          |         |  q   Q   |          |
 2+ 0      24.3869     28.29  |          |         |    q   Q |          |
 2+ 5      24.4242     28.32  |          |         |    q   Q |          |
 2+10      25.6196     29.52  |          |         |     q   Q|          |
 2+15      29.6249     33.52  |          |         |         q|  Q       |
 2+20      36.3667     40.27  |          |         |          |     q   Q
 2+25      36.3667     40.27  |          |         |          |     q   Q
 2+30      36.3667     40.27  |          |         |          |     q   Q
 2+35      36.3667     40.27  |          |         |          |     q   Q
 2+40      36.3667     40.27  |          |         |          |     q   Q
 2+45      36.3667     40.27  |          |         |          |     q   Q
 2+50      36.3667     40.27  |          |         |          |     q   Q
 2+55      36.3667     40.27  |          |         |          |     q   Q
 3+ 0       0.0000      3.90  q  Q       |         |          |         |
 3+ 5       0.0000      3.90  q  Q       |         |          |         |
 3+10       0.0000      3.90  q  Q       |         |          |         |
 3+15       0.0000      3.90  q  Q       |         |          |         |
 3+20       0.0000      3.90  q  Q       |         |          |         |
 3+25       0.0000      2.70  q Q        |         |          |         |
 3+30       0.0000      1.23  qQ         |         |          |         |
 3+35       0.0000      0.61  Q          |         |          |         |
 3+40       0.0000      0.20  Q          |         |          |         |
 3+45       0.0000      0.03  Q          |         |          |         |
-------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                     Number of intervals =    45
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       40.267 (CFS)
                     Total volume =       5.364 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000     0.000     0.000   451.337     0.000
             Vol (Ac.Ft)     0.000     0.000     0.000    39.348     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.610 to Point/Station        4.800
      **** STREAM ROUTING SCS CONVEX METHOD ****
      _____________________________________________________________________
      HYDROGRAPH STREAM ROUTING DATA:
      Length of stream =     54.00 (Ft.)
      Elevation difference =    2.00 (Ft.)
      Slope of channel =  0.037037 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =    54.00(Ft.)   Elevation difference =   2.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =    21.561(CFS)
      Nearest computed pipe diameter  =     18.00(In.)
      Calculated individual pipe flow  =    21.561(CFS)
      Normal flow depth in pipe =   16.20(In.)
      Flow top width inside pipe =   10.80(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =     12.86(Ft/s)
      Travel time through pipe =    0.07 min.


      Pipe length  =    54.00(Ft.)   Elevation difference =   2.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =    40.267(CFS)
      Nearest computed pipe diameter  =     24.00(In.)
      Calculated individual pipe flow  =    40.267(CFS)
      Normal flow depth in pipe =   18.23(In.)
      Flow top width inside pipe =   20.51(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =     15.73(Ft/s)
      Travel time through pipe =    0.06 min.


      ********************** SCS CONVEX CHANNEL ROUTING **********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.9025   Travel time =   0.06 (min.)
               dt*(unit time interval) =   5.00(min.),  e=  64.9012
               dt(routing time-step) =   0.05 (min.),   c* =   1.0000

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)
      ---------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       10.1      20.1      30.2      40.3
---------------------------------------------------------------------------
  0+ 5       3.9922      4.03  |  OI     |         |         |         |
  0+10       4.7427      4.75  |   O     |         |         |         |
  0+15       5.8159      5.83  |    O    |         |         |         |
  0+20       6.4052      6.41  |     O   |         |         |         |
  0+25       7.0415      7.05  |     OI  |         |         |         |
  0+30       8.0352      8.05  |      O  |         |         |         |
  0+35       9.2154      9.23  |        O|         |         |         |
  0+40      10.1232     10.13  |         O         |         |         |
  0+45      10.5992     10.60  |         O         |         |         |
  0+50      11.5551     11.57  |         |O        |         |         |
  0+55      11.4773     11.48  |         |O        |         |         |
  1+ 0      11.0124     11.01  |         O         |         |         |
  1+ 5      11.7534     11.76  |         |O        |         |         |
  1+10      13.6677     13.69  |         |  O      |         |         |
  1+15      15.7490     15.77  |         |    O    |         |         |
  1+20      16.7884     16.80  |         |     O   |         |         |
  1+25      17.2280     17.23  |         |      O  |         |         |
  1+30      18.5170     18.53  |         |       O |         |         |
  1+35      20.9292     20.95  |         |         O         |         |
  1+40      21.9438     21.95  |         |         |O        |         |
  1+45      22.7237     22.73  |         |         | O       |         |
  1+50      25.3613     25.39  |         |         |    O    |         |
  1+55      27.8659     27.89  |         |         |      O  |         |
  2+ 0      28.2828     28.29  |         |         |       O |         |
  2+ 5      28.3238     28.32  |         |         |       O |         |
```

```
    2+10      29.5073     29.52  |          |          |        O|          |
    2+15      33.4836     33.52  |          |          |         |  O       |
    2+20      40.1971     40.27  |          |          |         |         OI
    2+25      40.2667     40.27  |          |          |         |          O
    2+30      40.2667     40.27  |          |          |         |          O
    2+35      40.2667     40.27  |          |          |         |          O
    2+40      40.2667     40.27  |          |          |         |          O
    2+45      40.2667     40.27  |          |          |         |          O
    2+50      40.2667     40.27  |          |          |         |          O
    2+55      40.2667     40.27  |          |          |         |          O
    3+ 0       4.2755      3.90  |  IO      |          |         |          |
    3+ 5       3.9000      3.90  |  O       |          |         |          |
    3+10       3.9000      3.90  |  O       |          |         |          |
    3+15       3.9000      3.90  |  O       |          |         |          |
    3+20       3.9000      3.90  |  O       |          |         |          |
    3+25       2.7106      2.70  | O        |          |         |          |
    3+30       1.2489      1.23  |O         |          |         |          |
    3+35       0.6188      0.61  O          |          |         |          |
    3+40       0.2011      0.20  O          |          |         |          |
    3+45       0.0278      0.03  O          |          |         |          |
    3+50       0.0000      0.00  O          |          |         |          |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    46
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       40.267 (CFS)
                    Total volume =       5.364 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000   451.337     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000    39.348     0.000
        ********************************************************************************

        --------------------------------------------------------------------

        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.610 to Point/Station        4.800
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ______________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 5 with
        a starting time of   0.00 hours and ending time of   3.00 hours
        With a total volume of       5.19(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000   451.337    40.267
            Vol (Ac.Ft)      0.000     0.000     0.000    39.348     5.194
        ********************************************************************************

        --------------------------------------------------------------------

        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.610 to Point/Station        4.800
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ______________________________________________________________________
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        Current stream hydrograph deleted by user.
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000   451.337    40.267
            Vol (Ac.Ft)      0.000     0.000     0.000    39.348     5.194
        ********************************************************************************

        --------------------------------------------------------------------

        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.810 to Point/Station        4.820
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ______________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP4B1003100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f     H y d r o g r a p h
        ----------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ----------------------------------------------------------------------
    Time(h+m) Add q(CFS)  Tot. Q   0         5.9       11.7       17.6       23.4
    ----------------------------------------------------------------------------
      0+ 5       0.3083      0.31  Q          |          |          |          |
      0+10       0.7236      0.72  |Q         |          |          |          |
      0+15       0.6349      0.63  |Q         |          |          |          |
      0+20       0.8718      0.87  |Q         |          |          |          |
      0+25       1.4219      1.42  | Q        |          |          |          |
      0+30       1.9263      1.93  |  Q       |          |          |          |
      0+35       2.0889      2.09  |  Q       |          |          |          |
      0+40       2.0346      2.03  |  Q       |          |          |          |
      0+45       2.5231      2.52  |   Q      |          |          |          |
      0+50       2.1792      2.18  |  Q       |          |          |          |
      0+55       1.7738      1.77  |  Q       |          |          |          |
      1+ 0       2.1487      2.15  |  Q       |          |          |          |
      1+ 5       3.0920      3.09  |    Q     |          |          |          |
      1+10       3.9067      3.91  |     Q    |          |          |          |
      1+15       4.0387      4.04  |     Q    |          |          |          |
      1+20       3.7837      3.78  |     Q    |          |          |          |
      1+25       4.2433      4.24  |      Q   |          |          |          |
      1+30       5.4453      5.45  |        Q |          |          |          |
      1+35       5.3846      5.38  |        Q |          |          |          |
      1+40       5.3046      5.30  |        Q |          |          |          |
      1+45       6.6156      6.62  |          |Q         |          |          |
      1+50       7.5339      7.53  |          | Q        |          |          |
      1+55       7.0794      7.08  |          | Q        |          |          |
      2+ 0       6.8183      6.82  |          |Q         |          |          |
      2+ 5       7.0728      7.07  |          | Q        |          |          |
      2+10       8.8076      8.81  |          |    Q     |          |          |
      2+15      12.0147     12.01  |          |          Q          |          |
      2+20      11.7643     11.76  |          |          Q          |          |
      2+25      13.8473     13.85  |          |          |  Q       |          |
      2+30      20.3144     20.31  |          |          |          |   Q      |
      2+35      23.4088     23.41  |          |          |          |          Q
```

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  2+40      22.2368     22.24  |          |          |          |      Q   |
  2+45      12.8098     12.81  |          |          |Q         |          |
  2+50       4.5901      4.59  |          |      Q   |          |          |
  2+55       2.9092      2.91  |          |   Q      |          |          |
  3+ 0       1.7050      1.70  |          | Q        |          |          |
  3+ 5       0.3711      0.37  |          Q          |          |          |
  3+10       0.0595      0.06  |          Q          |          |          |
  3+15       0.0034      0.00  |          Q          |          |          |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                      Number of intervals =    39
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =       23.409 (CFS)
                      Total volume =       1.541 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000   451.337    40.267
              Vol (Ac.Ft)     0.000     0.000     0.000    39.348     5.194
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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.820 to Point/Station        4.600
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        From stored stream number 4 the total
        volume of      39.35 (Ac.Ft) is being added to the
        current hydrograph at its original rate from user
        with a delay time to start of addition of    0.00 hours.
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0      118.4     236.8     355.2     473.6
 --------------------------------------------------------------------------
   0+ 5       1.6768      1.99  Q         |         |         |         |
   0+10      32.4132     33.14  | Q       |         |         |         |
   0+15      48.3017     48.94  |   Q     |         |         |         |
   0+20      51.0667     51.94  |   Q     |         |         |         |
   0+25      63.3475     64.77  |    Q    |         |         |         |
   0+30      71.8977     73.82  |     Q   |         |         |         |
   0+35      81.8790     83.97  |     qQ  |         |         |         |
   0+40      80.8908     82.93  |     qQ  |         |         |         |
   0+45      87.6872     90.21  |      Q  |         |         |         |
   0+50      90.3417     92.52  |      Q  |         |         |         |
   0+55      83.2259     85.00  |      Q  |         |         |         |
   1+ 0      83.1587     85.31  |      Q  |         |         |         |
   1+ 5      91.5932     94.69  |      Q  |         |         |         |
   1+10     106.9289    110.84  |        Q|         |         |         |
   1+15     114.9597    119.00  |        qQ         |         |         |
   1+20     117.2194    121.00  |        qQ         |         |         |
   1+25     116.0642    120.31  |        qQ         |         |         |
   1+30     132.1982    137.64  |         |Q        |         |         |
   1+35     142.6781    148.06  |         | Q       |         |         |
   1+40     140.3503    145.65  |         |qQ       |         |         |
   1+45     150.3014    156.92  |         | qQ      |         |         |
   1+50     171.7154    179.25  |         |   qQ    |         |         |
   1+55     175.9723    183.05  |         |   qQ    |         |         |
   2+ 0     171.8239    178.64  |         |   qQ    |         |         |
   2+ 5     173.2361    180.31  |         |   qQ    |         |         |
   2+10     183.0443    191.85  |         |    qQ   |         |         |
   2+15     222.7650    234.78  |         |      qQ |         |         |
   2+20     258.3048    270.07  |         |         |qQ       |         |
   2+25     252.0462    265.89  |         |         |qQ       |         |
   2+30     339.3615    359.68  |         |         |       q Q         |
   2+35     409.7298    433.14  |         |         |         |   q Q   |
   2+40     451.3369    473.57  |         |         |         |       q Q
   2+45     388.0357    400.85  |         |         |         | qQ      |
   2+50     241.3523    245.94  |         |         |Q        |         |
   2+55     159.5480    162.46  |         |   Q     |         |         |
   3+ 0     118.7650    120.47  |         |Q        |         |         |
   3+ 5      65.7145     66.09  |    Q    |         |         |         |
   3+10      28.1570     28.22  | Q       |         |         |         |
   3+15      11.3354     11.34  Q         |         |         |         |
   3+20       2.9337      2.93  Q         |         |         |         |
   3+25       0.0000      0.00  Q         |         |         |         |
   3+30       0.0000      0.00  Q         |         |         |         |
   3+35       0.0000      0.00  Q         |         |         |         |
   3+40       0.0000      0.00  Q         |         |         |         |
   3+45       0.0000      0.00  Q         |         |         |         |
   3+50       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                      Number of intervals =    46
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =      473.574 (CFS)
                      Total volume =      40.889 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000    40.267
              Vol (Ac.Ft)     0.000     0.000     0.000     0.000     5.194
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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.820 to Point/Station        4.600
        **** RETARDING BASIN ROUTING ****
        ________________________________________________________________________

        User entry of depth-outflow-storage data
        ------------------------------------------------------------------------
        Total number of inflow hydrograph intervals = 46
        Hydrograph time unit =  5.000 (Min.)
        Initial depth in storage basin =   0.00(Ft.)
        ------------------------------------------------------------------------
        ------------------------------------------------------------------------
        Initial basin depth =   0.00 (Ft.)
        Initial basin storage =      0.00 (Ac.Ft)
        Initial basin outflow =   0.00 (CFS)
        ------------------------------------------------------------------------
        ------------------------------------------------------------------------
        Depth vs. Storage and Depth vs. Discharge data:
         Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
             (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
        ------------------------------------------------------------------------
          0.000      0.000      0.000      0.000        0.000
          1.000      1.289      0.440      1.287        1.291
```

2.000	2.686	0.650	2.684	2.688
3.000	4.190	0.800	4.187	4.193
5.000	7.522	1.040	7.518	7.526
6.000	9.358	1.150	9.354	9.362
7.000	11.310	1.240	11.306	11.314
8.000	13.381	1.330	13.376	13.386
9.000	15.571	1.410	15.566	15.576
10.000	17.884	1.490	17.879	17.889
11.000	20.321	1.560	20.316	20.326
12.000	22.886	1.630	22.880	22.892
13.000	25.542	1.700	25.536	25.548
14.000	28.253	1.760	28.247	28.259
15.000	31.104	1.820	31.098	31.110
16.000	34.179	28.620	34.080	34.278
17.000	37.445	48.260	37.279	37.611
18.000	40.867	61.790	40.654	41.080
19.000	44.460	131.050	44.009	44.911
20.000	48.242	247.070	47.391	49.093

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 118.4 236.79 355.18 473.57	Depth (Ft.)
0.083	1.99	0.00	0.007	O	0.01
0.167	33.14	0.04	0.128	O I	0.10
0.250	48.94	0.14	0.410	O I	0.32
0.333	51.94	0.26	0.756	O I	0.59
0.417	64.77	0.39	1.155	O I	0.90
0.500	73.82	0.49	1.629	O I	1.24
0.583	83.97	0.57	2.169	O I	1.63
0.667	82.93	0.66	2.740	O I	2.04
0.750	90.21	0.71	3.331	O I	2.43
0.833	92.52	0.78	3.955	O I	2.84
0.917	85.00	0.83	4.561	O I	3.22
1.000	85.31	0.87	5.142	O I	3.57
1.083	94.69	0.91	5.755	O I	3.94
1.167	110.84	0.96	6.457	O I	4.36
1.250	119.00	1.02	7.241	O I	4.83
1.333	121.00	1.07	8.060	O I	5.29
1.417	120.31	1.12	8.884	O I	5.74
1.500	137.64	1.17	9.764	O I	6.21
1.583	148.06	1.21	10.740	O I	6.71
1.667	145.65	1.26	11.743	O I	7.21
1.750	156.92	1.30	12.776	O I	7.71
1.833	179.25	1.35	13.924	O I	8.25
1.917	183.05	1.40	15.162	O I	8.81
2.000	178.64	1.44	16.398	O I	9.36
2.083	180.31	1.48	17.624	O I	9.89
2.167	191.85	1.52	18.895	O I	10.42
2.250	234.78	1.56	20.354	O I	11.01
2.333	270.07	1.61	22.081	O I	11.69
2.417	265.89	1.66	23.916	O I	12.39
2.500	359.68	1.71	26.058	O I	13.19
2.583	433.14	1.77	28.776	O I	14.18
2.667	473.57	8.44	31.864	O I	15.25
2.750	400.85	31.97	34.736	O I	16.17
2.833	245.94	43.79	36.702	O I	16.77
2.917	162.46	49.61	37.787	O I	17.10
3.000	120.47	52.08	38.411	O I	17.28
3.083	66.09	53.18	38.691	OI	17.36
3.167	28.22	53.02	38.650	I O	17.35
3.250	11.34	52.13	38.424	I O	17.29
3.333	2.93	50.92	38.118	I O	17.20
3.417	0.00	49.59	37.782	I O	17.10
3.500	0.00	48.26	37.445	I O	17.00
3.583	0.00	46.30	37.119	I O	16.90
3.667	0.00	44.42	36.807	I O	16.80
3.750	0.00	42.62	36.507	I O	16.71
3.833	0.00	40.89	36.220	I O	16.62
3.917	0.00	39.23	35.944	I O	16.54
4.000	0.00	37.64	35.679	I O	16.46
4.083	0.00	36.11	35.425	I O	16.38
4.167	0.00	34.65	35.181	I O	16.31
4.250	0.00	33.24	34.948	I O	16.24
4.333	0.00	31.89	34.723	I O	16.17
4.417	0.00	30.60	34.508	I O	16.10
4.500	0.00	29.36	34.302	IO	16.04
4.583	0.00	27.97	34.104	IO	15.98
4.667	0.00	26.34	33.917	IO	15.91
4.750	0.00	24.80	33.741	IO	15.86
4.833	0.00	23.36	33.575	IO	15.80
4.917	0.00	22.00	33.419	IO	15.75
5.000	0.00	20.72	33.272	IO	15.71
5.083	0.00	19.51	33.134	IO	15.66
5.167	0.00	18.37	33.003	IO	15.62
5.250	0.00	17.30	32.880	IO	15.58
5.333	0.00	16.29	32.765	IO	15.54
5.417	0.00	15.34	32.656	IO	15.50
5.500	0.00	14.45	32.553	O	15.47
5.583	0.00	13.61	32.456	O	15.44
5.667	0.00	12.81	32.365	O	15.41
5.750	0.00	12.07	32.280	O	15.38
5.833	0.00	11.36	32.199	O	15.36
5.917	0.00	10.70	32.123	O	15.33
6.000	0.00	10.08	32.052	O	15.31
6.083	0.00	9.49	31.984	O	15.29
6.167	0.00	8.94	31.921	O	15.27
6.250	0.00	8.42	31.861	O	15.25
6.333	0.00	7.93	31.805	O	15.23
6.417	0.00	7.46	31.752	O	15.21
6.500	0.00	7.03	31.702	O	15.19
6.583	0.00	6.62	31.655	O	15.18
6.667	0.00	6.23	31.610	O	15.16
6.750	0.00	5.87	31.569	O	15.15
6.833	0.00	5.53	31.530	O	15.14
6.917	0.00	5.21	31.493	O	15.13
7.000	0.00	4.90	31.458	O	15.12
7.083	0.00	4.62	31.425	O	15.10
7.167	0.00	4.35	31.394	O	15.09
7.250	0.00	4.09	31.365	O	15.08
7.333	0.00	3.86	31.338	O	15.08
7.417	0.00	3.63	31.312	O	15.07
7.500	0.00	3.42	31.288	O	15.06
7.583	0.00	3.22	31.265	O	15.05
7.667	0.00	3.03	31.243	O	15.05
7.750	0.00	2.86	31.223	O	15.04
7.833	0.00	2.69	31.204	O	15.03
7.917	0.00	2.53	31.186	O	15.03
8.000	0.00	2.39	31.169	O	15.02
8.083	0.00	2.25	31.153	O	15.02
8.167	0.00	2.12	31.138	O	15.01

8.250	0.00	1.99	31.124	O	|	|	|	|	15.01	13.417	0.00	1.80	30.349	O	|	|	|	|	14.74
8.333	0.00	1.88	31.110	O	|	|	|	|	15.00	13.500	0.00	1.80	30.337	O	|	|	|	|	14.73
8.417	0.00	1.82	31.098	O	|	|	|	|	15.00	13.583	0.00	1.80	30.324	O	|	|	|	|	14.73
8.500	0.00	1.82	31.085	O	|	|	|	|	14.99	13.667	0.00	1.80	30.312	O	|	|	|	|	14.72
8.583	0.00	1.82	31.073	O	|	|	|	|	14.99	13.750	0.00	1.80	30.299	O	|	|	|	|	14.72
8.667	0.00	1.82	31.060	O	|	|	|	|	14.98	13.833	0.00	1.80	30.287	O	|	|	|	|	14.71
8.750	0.00	1.82	31.048	O	|	|	|	|	14.98	13.917	0.00	1.80	30.274	O	|	|	|	|	14.71
8.833	0.00	1.82	31.035	O	|	|	|	|	14.98	14.000	0.00	1.80	30.262	O	|	|	|	|	14.70
8.917	0.00	1.82	31.023	O	|	|	|	|	14.97	14.083	0.00	1.80	30.250	O	|	|	|	|	14.70
9.000	0.00	1.82	31.010	O	|	|	|	|	14.97	14.167	0.00	1.80	30.237	O	|	|	|	|	14.70
9.083	0.00	1.82	30.998	O	|	|	|	|	14.96	14.250	0.00	1.80	30.225	O	|	|	|	|	14.69
9.167	0.00	1.82	30.985	O	|	|	|	|	14.96	14.333	0.00	1.80	30.212	O	|	|	|	|	14.69
9.250	0.00	1.82	30.972	O	|	|	|	|	14.95	14.417	0.00	1.80	30.200	O	|	|	|	|	14.68
9.333	0.00	1.82	30.960	O	|	|	|	|	14.95	14.500	0.00	1.80	30.188	O	|	|	|	|	14.68
9.417	0.00	1.82	30.947	O	|	|	|	|	14.95	14.583	0.00	1.80	30.175	O	|	|	|	|	14.67
9.500	0.00	1.82	30.935	O	|	|	|	|	14.94	14.667	0.00	1.80	30.163	O	|	|	|	|	14.67
9.583	0.00	1.82	30.922	O	|	|	|	|	14.94	14.750	0.00	1.80	30.150	O	|	|	|	|	14.67
9.667	0.00	1.82	30.910	O	|	|	|	|	14.93	14.833	0.00	1.80	30.138	O	|	|	|	|	14.66
9.750	0.00	1.82	30.897	O	|	|	|	|	14.93	14.917	0.00	1.80	30.126	O	|	|	|	|	14.66
9.833	0.00	1.82	30.885	O	|	|	|	|	14.92	15.000	0.00	1.80	30.113	O	|	|	|	|	14.65
9.917	0.00	1.82	30.872	O	|	|	|	|	14.92	15.083	0.00	1.80	30.101	O	|	|	|	|	14.65
10.000	0.00	1.81	30.860	O	|	|	|	|	14.91	15.167	0.00	1.80	30.088	O	|	|	|	|	14.64
10.083	0.00	1.81	30.847	O	|	|	|	|	14.91	15.250	0.00	1.80	30.076	O	|	|	|	|	14.64
10.167	0.00	1.81	30.835	O	|	|	|	|	14.91	15.333	0.00	1.80	30.064	O	|	|	|	|	14.64
10.250	0.00	1.81	30.822	O	|	|	|	|	14.90	15.417	0.00	1.80	30.051	O	|	|	|	|	14.63
10.333	0.00	1.81	30.810	O	|	|	|	|	14.90	15.500	0.00	1.80	30.039	O	|	|	|	|	14.63
10.417	0.00	1.81	30.797	O	|	|	|	|	14.89	15.583	0.00	1.80	30.027	O	|	|	|	|	14.62
10.500	0.00	1.81	30.785	O	|	|	|	|	14.89	15.667	0.00	1.80	30.014	O	|	|	|	|	14.62
10.583	0.00	1.81	30.772	O	|	|	|	|	14.88	15.750	0.00	1.80	30.002	O	|	|	|	|	14.61
10.667	0.00	1.81	30.760	O	|	|	|	|	14.88	15.833	0.00	1.80	29.989	O	|	|	|	|	14.61
10.750	0.00	1.81	30.747	O	|	|	|	|	14.87	15.917	0.00	1.80	29.977	O	|	|	|	|	14.60
10.833	0.00	1.81	30.735	O	|	|	|	|	14.87	16.000	0.00	1.80	29.965	O	|	|	|	|	14.60
10.917	0.00	1.81	30.723	O	|	|	|	|	14.87	16.083	0.00	1.80	29.952	O	|	|	|	|	14.60
11.000	0.00	1.81	30.710	O	|	|	|	|	14.86	16.167	0.00	1.80	29.940	O	|	|	|	|	14.59
11.083	0.00	1.81	30.698	O	|	|	|	|	14.86	16.250	0.00	1.80	29.928	O	|	|	|	|	14.59
11.167	0.00	1.81	30.685	O	|	|	|	|	14.85	16.333	0.00	1.79	29.915	O	|	|	|	|	14.58
11.250	0.00	1.81	30.673	O	|	|	|	|	14.85	16.417	0.00	1.79	29.903	O	|	|	|	|	14.58
11.333	0.00	1.81	30.660	O	|	|	|	|	14.84	16.500	0.00	1.79	29.890	O	|	|	|	|	14.57
11.417	0.00	1.81	30.648	O	|	|	|	|	14.84	16.583	0.00	1.79	29.878	O	|	|	|	|	14.57
11.500	0.00	1.81	30.635	O	|	|	|	|	14.84	16.667	0.00	1.79	29.866	O	|	|	|	|	14.57
11.583	0.00	1.81	30.623	O	|	|	|	|	14.83	16.750	0.00	1.79	29.853	O	|	|	|	|	14.56
11.667	0.00	1.81	30.610	O	|	|	|	|	14.83	16.833	0.00	1.79	29.841	O	|	|	|	|	14.56
11.750	0.00	1.81	30.598	O	|	|	|	|	14.82	16.917	0.00	1.79	29.829	O	|	|	|	|	14.55
11.833	0.00	1.81	30.585	O	|	|	|	|	14.82	17.000	0.00	1.79	29.816	O	|	|	|	|	14.55
11.917	0.00	1.81	30.573	O	|	|	|	|	14.81	17.083	0.00	1.79	29.804	O	|	|	|	|	14.54
12.000	0.00	1.81	30.560	O	|	|	|	|	14.81	17.167	0.00	1.79	29.792	O	|	|	|	|	14.54
12.083	0.00	1.81	30.548	O	|	|	|	|	14.80	17.250	0.00	1.79	29.779	O	|	|	|	|	14.54
12.167	0.00	1.81	30.536	O	|	|	|	|	14.80	17.333	0.00	1.79	29.767	O	|	|	|	|	14.53
12.250	0.00	1.81	30.523	O	|	|	|	|	14.80	17.417	0.00	1.79	29.755	O	|	|	|	|	14.53
12.333	0.00	1.81	30.511	O	|	|	|	|	14.79	17.500	0.00	1.79	29.742	O	|	|	|	|	14.52
12.417	0.00	1.81	30.498	O	|	|	|	|	14.79	17.583	0.00	1.79	29.730	O	|	|	|	|	14.52
12.500	0.00	1.81	30.486	O	|	|	|	|	14.78	17.667	0.00	1.79	29.718	O	|	|	|	|	14.51
12.583	0.00	1.81	30.473	O	|	|	|	|	14.78	17.750	0.00	1.79	29.705	O	|	|	|	|	14.51
12.667	0.00	1.81	30.461	O	|	|	|	|	14.77	17.833	0.00	1.79	29.693	O	|	|	|	|	14.51
12.750	0.00	1.81	30.448	O	|	|	|	|	14.77	17.917	0.00	1.79	29.681	O	|	|	|	|	14.50
12.833	0.00	1.81	30.436	O	|	|	|	|	14.77	18.000	0.00	1.79	29.668	O	|	|	|	|	14.50
12.917	0.00	1.81	30.424	O	|	|	|	|	14.76	18.083	0.00	1.79	29.656	O	|	|	|	|	14.49
13.000	0.00	1.81	30.411	O	|	|	|	|	14.76	18.167	0.00	1.79	29.644	O	|	|	|	|	14.49
13.083	0.00	1.81	30.399	O	|	|	|	|	14.75	18.250	0.00	1.79	29.631	O	|	|	|	|	14.48
13.167	0.00	1.80	30.386	O	|	|	|	|	14.75	18.333	0.00	1.79	29.619	O	|	|	|	|	14.48
13.250	0.00	1.80	30.374	O	|	|	|	|	14.74	18.417	0.00	1.79	29.607	O	|	|	|	|	14.47
13.333	0.00	1.80	30.361	O	|	|	|	|	14.74	18.500	0.00	1.79	29.594	O	|	|	|	|	14.47

18.583	0.00	1.79	29.582	O	|	|	|	|	14.47	23.750	0.00	1.77	28.822	O	|	|	|	|	14.20
18.667	0.00	1.79	29.570	O	|	|	|	|	14.46	23.833	0.00	1.77	28.810	O	|	|	|	|	14.20
18.750	0.00	1.79	29.557	O	|	|	|	|	14.46	23.917	0.00	1.77	28.798	O	|	|	|	|	14.19
18.833	0.00	1.79	29.545	O	|	|	|	|	14.45	24.000	0.00	1.77	28.785	O	|	|	|	|	14.19
18.917	0.00	1.79	29.533	O	|	|	|	|	14.45	24.083	0.00	1.77	28.773	O	|	|	|	|	14.18
19.000	0.00	1.79	29.521	O	|	|	|	|	14.44	24.167	0.00	1.77	28.761	O	|	|	|	|	14.18
19.083	0.00	1.79	29.508	O	|	|	|	|	14.44	24.250	0.00	1.77	28.749	O	|	|	|	|	14.17
19.167	0.00	1.79	29.496	O	|	|	|	|	14.44	24.333	0.00	1.77	28.737	O	|	|	|	|	14.17
19.250	0.00	1.79	29.484	O	|	|	|	|	14.43	24.417	0.00	1.77	28.724	O	|	|	|	|	14.17
19.333	0.00	1.79	29.471	O	|	|	|	|	14.43	24.500	0.00	1.77	28.712	O	|	|	|	|	14.16
19.417	0.00	1.79	29.459	O	|	|	|	|	14.42	24.583	0.00	1.77	28.700	O	|	|	|	|	14.16
19.500	0.00	1.79	29.447	O	|	|	|	|	14.42	24.667	0.00	1.77	28.688	O	|	|	|	|	14.15
19.583	0.00	1.78	29.434	O	|	|	|	|	14.41	24.750	0.00	1.77	28.676	O	|	|	|	|	14.15
19.667	0.00	1.78	29.422	O	|	|	|	|	14.41	24.833	0.00	1.77	28.664	O	|	|	|	|	14.14
19.750	0.00	1.78	29.410	O	|	|	|	|	14.41	24.917	0.00	1.77	28.651	O	|	|	|	|	14.14
19.833	0.00	1.78	29.398	O	|	|	|	|	14.40	25.000	0.00	1.77	28.639	O	|	|	|	|	14.14
19.917	0.00	1.78	29.385	O	|	|	|	|	14.40	25.083	0.00	1.77	28.627	O	|	|	|	|	14.13
20.000	0.00	1.78	29.373	O	|	|	|	|	14.39	25.167	0.00	1.77	28.615	O	|	|	|	|	14.13
20.083	0.00	1.78	29.361	O	|	|	|	|	14.39	25.250	0.00	1.77	28.603	O	|	|	|	|	14.12
20.167	0.00	1.78	29.348	O	|	|	|	|	14.38	25.333	0.00	1.77	28.590	O	|	|	|	|	14.12
20.250	0.00	1.78	29.336	O	|	|	|	|	14.38	25.417	0.00	1.77	28.578	O	|	|	|	|	14.11
20.333	0.00	1.78	29.324	O	|	|	|	|	14.38	25.500	0.00	1.77	28.566	O	|	|	|	|	14.11
20.417	0.00	1.78	29.312	O	|	|	|	|	14.37	25.583	0.00	1.77	28.554	O	|	|	|	|	14.11
20.500	0.00	1.78	29.299	O	|	|	|	|	14.37	25.667	0.00	1.77	28.542	O	|	|	|	|	14.10
20.583	0.00	1.78	29.287	O	|	|	|	|	14.36	25.750	0.00	1.77	28.530	O	|	|	|	|	14.10
20.667	0.00	1.78	29.275	O	|	|	|	|	14.36	25.833	0.00	1.77	28.517	O	|	|	|	|	14.09
20.750	0.00	1.78	29.263	O	|	|	|	|	14.35	25.917	0.00	1.77	28.505	O	|	|	|	|	14.09
20.833	0.00	1.78	29.250	O	|	|	|	|	14.35	26.000	0.00	1.77	28.493	O	|	|	|	|	14.08
20.917	0.00	1.78	29.238	O	|	|	|	|	14.35	26.083	0.00	1.76	28.481	O	|	|	|	|	14.08
21.000	0.00	1.78	29.226	O	|	|	|	|	14.34	26.167	0.00	1.76	28.469	O	|	|	|	|	14.08
21.083	0.00	1.78	29.213	O	|	|	|	|	14.34	26.250	0.00	1.76	28.457	O	|	|	|	|	14.07
21.167	0.00	1.78	29.201	O	|	|	|	|	14.33	26.333	0.00	1.76	28.445	O	|	|	|	|	14.07
21.250	0.00	1.78	29.189	O	|	|	|	|	14.33	26.417	0.00	1.76	28.432	O	|	|	|	|	14.06
21.333	0.00	1.78	29.177	O	|	|	|	|	14.32	26.500	0.00	1.76	28.420	O	|	|	|	|	14.06
21.417	0.00	1.78	29.164	O	|	|	|	|	14.32	26.583	0.00	1.76	28.408	O	|	|	|	|	14.05
21.500	0.00	1.78	29.152	O	|	|	|	|	14.32	26.667	0.00	1.76	28.396	O	|	|	|	|	14.05
21.583	0.00	1.78	29.140	O	|	|	|	|	14.31	26.750	0.00	1.76	28.384	O	|	|	|	|	14.05
21.667	0.00	1.78	29.128	O	|	|	|	|	14.31	26.833	0.00	1.76	28.372	O	|	|	|	|	14.04
21.750	0.00	1.78	29.115	O	|	|	|	|	14.30	26.917	0.00	1.76	28.360	O	|	|	|	|	14.04
21.833	0.00	1.78	29.103	O	|	|	|	|	14.30	27.000	0.00	1.76	28.347	O	|	|	|	|	14.03
21.917	0.00	1.78	29.091	O	|	|	|	|	14.29	27.083	0.00	1.76	28.335	O	|	|	|	|	14.03
22.000	0.00	1.78	29.079	O	|	|	|	|	14.29	27.167	0.00	1.76	28.323	O	|	|	|	|	14.02
22.083	0.00	1.78	29.066	O	|	|	|	|	14.29	27.250	0.00	1.76	28.311	O	|	|	|	|	14.02
22.167	0.00	1.78	29.054	O	|	|	|	|	14.28	27.333	0.00	1.76	28.299	O	|	|	|	|	14.02
22.250	0.00	1.78	29.042	O	|	|	|	|	14.28	27.417	0.00	1.76	28.287	O	|	|	|	|	14.01
22.333	0.00	1.78	29.030	O	|	|	|	|	14.27	27.500	0.00	1.76	28.275	O	|	|	|	|	14.01
22.417	0.00	1.78	29.018	O	|	|	|	|	14.27	27.583	0.00	1.76	28.263	O	|	|	|	|	14.00
22.500	0.00	1.78	29.005	O	|	|	|	|	14.26	27.667	0.00	1.76	28.250	O	|	|	|	|	14.00
22.583	0.00	1.78	28.993	O	|	|	|	|	14.26	27.750	0.00	1.76	28.238	O	|	|	|	|	13.99
22.667	0.00	1.78	28.981	O	|	|	|	|	14.26	27.833	0.00	1.76	28.226	O	|	|	|	|	13.99
22.750	0.00	1.78	28.969	O	|	|	|	|	14.25	27.917	0.00	1.76	28.214	O	|	|	|	|	13.99
22.833	0.00	1.77	28.956	O	|	|	|	|	14.25	28.000	0.00	1.76	28.202	O	|	|	|	|	13.98
22.917	0.00	1.77	28.944	O	|	|	|	|	14.24	28.083	0.00	1.76	28.190	O	|	|	|	|	13.98
23.000	0.00	1.77	28.932	O	|	|	|	|	14.24	28.167	0.00	1.76	28.178	O	|	|	|	|	13.97
23.083	0.00	1.77	28.920	O	|	|	|	|	14.23	28.250	0.00	1.76	28.166	O	|	|	|	|	13.97
23.167	0.00	1.77	28.907	O	|	|	|	|	14.23	28.333	0.00	1.76	28.153	O	|	|	|	|	13.96
23.250	0.00	1.77	28.895	O	|	|	|	|	14.23	28.417	0.00	1.76	28.141	O	|	|	|	|	13.96
23.333	0.00	1.77	28.883	O	|	|	|	|	14.22	28.500	0.00	1.76	28.129	O	|	|	|	|	13.95
23.417	0.00	1.77	28.871	O	|	|	|	|	14.22	28.583	0.00	1.76	28.117	O	|	|	|	|	13.95
23.500	0.00	1.77	28.859	O	|	|	|	|	14.21	28.667	0.00	1.76	28.105	O	|	|	|	|	13.95
23.583	0.00	1.77	28.846	O	|	|	|	|	14.21	28.750	0.00	1.76	28.093	O	|	|	|	|	13.94
23.667	0.00	1.77	28.834	O	|	|	|	|	14.20	28.833	0.00	1.76	28.081	O	|	|	|	|	13.94

28.917	0.00	1.76	28.069	O					13.93	34.083	0.00	1.74	27.323	O					13.66
29.000	0.00	1.76	28.057	O					13.93	34.167	0.00	1.74	27.311	O					13.65
29.083	0.00	1.76	28.045	O					13.92	34.250	0.00	1.74	27.299	O					13.65
29.167	0.00	1.76	28.033	O					13.92	34.333	0.00	1.74	27.287	O					13.64
29.250	0.00	1.75	28.020	O					13.91	34.417	0.00	1.74	27.275	O					13.64
29.333	0.00	1.75	28.008	O					13.91	34.500	0.00	1.74	27.263	O					13.63
29.417	0.00	1.75	27.996	O					13.91	34.583	0.00	1.74	27.251	O					13.63
29.500	0.00	1.75	27.984	O					13.90	34.667	0.00	1.74	27.239	O					13.63
29.583	0.00	1.75	27.972	O					13.90	34.750	0.00	1.74	27.227	O					13.62
29.667	0.00	1.75	27.960	O					13.89	34.833	0.00	1.74	27.215	O					13.62
29.750	0.00	1.75	27.948	O					13.89	34.917	0.00	1.74	27.203	O					13.61
29.833	0.00	1.75	27.936	O					13.88	35.000	0.00	1.74	27.191	O					13.61
29.917	0.00	1.75	27.924	O					13.88	35.083	0.00	1.74	27.179	O					13.60
30.000	0.00	1.75	27.912	O					13.87	35.167	0.00	1.74	27.167	O					13.60
30.083	0.00	1.75	27.900	O					13.87	35.250	0.00	1.74	27.155	O					13.59
30.167	0.00	1.75	27.888	O					13.87	35.333	0.00	1.74	27.143	O					13.59
30.250	0.00	1.75	27.876	O					13.86	35.417	0.00	1.74	27.131	O					13.59
30.333	0.00	1.75	27.863	O					13.86	35.500	0.00	1.73	27.119	O					13.58
30.417	0.00	1.75	27.851	O					13.85	35.583	0.00	1.73	27.107	O					13.58
30.500	0.00	1.75	27.839	O					13.85	35.667	0.00	1.73	27.095	O					13.57
30.583	0.00	1.75	27.827	O					13.84	35.750	0.00	1.73	27.083	O					13.57
30.667	0.00	1.75	27.815	O					13.84	35.833	0.00	1.73	27.071	O					13.56
30.750	0.00	1.75	27.803	O					13.83	35.917	0.00	1.73	27.059	O					13.56
30.833	0.00	1.75	27.791	O					13.83	36.000	0.00	1.73	27.048	O					13.56
30.917	0.00	1.75	27.779	O					13.83	36.083	0.00	1.73	27.036	O					13.55
31.000	0.00	1.75	27.767	O					13.82	36.167	0.00	1.73	27.024	O					13.55
31.083	0.00	1.75	27.755	O					13.82	36.250	0.00	1.73	27.012	O					13.54
31.167	0.00	1.75	27.743	O					13.81	36.333	0.00	1.73	27.000	O					13.54
31.250	0.00	1.75	27.731	O					13.81	36.417	0.00	1.73	26.988	O					13.53
31.333	0.00	1.75	27.719	O					13.80	36.500	0.00	1.73	26.976	O					13.53
31.417	0.00	1.75	27.707	O					13.80	36.583	0.00	1.73	26.964	O					13.52
31.500	0.00	1.75	27.695	O					13.79	36.667	0.00	1.73	26.952	O					13.52
31.583	0.00	1.75	27.683	O					13.79	36.750	0.00	1.73	26.940	O					13.52
31.667	0.00	1.75	27.671	O					13.79	36.833	0.00	1.73	26.928	O					13.51
31.750	0.00	1.75	27.659	O					13.78	36.917	0.00	1.73	26.916	O					13.51
31.833	0.00	1.75	27.647	O					13.78	37.000	0.00	1.73	26.904	O					13.50
31.917	0.00	1.75	27.635	O					13.77	37.083	0.00	1.73	26.892	O					13.50
32.000	0.00	1.75	27.623	O					13.77	37.167	0.00	1.73	26.881	O					13.49
32.083	0.00	1.75	27.611	O					13.76	37.250	0.00	1.73	26.869	O					13.49
32.167	0.00	1.75	27.599	O					13.76	37.333	0.00	1.73	26.857	O					13.48
32.250	0.00	1.75	27.587	O					13.75	37.417	0.00	1.73	26.845	O					13.48
32.333	0.00	1.74	27.575	O					13.75	37.500	0.00	1.73	26.833	O					13.48
32.417	0.00	1.74	27.563	O					13.75	37.583	0.00	1.73	26.821	O					13.47
32.500	0.00	1.74	27.550	O					13.74	37.667	0.00	1.73	26.809	O					13.47
32.583	0.00	1.74	27.538	O					13.74	37.750	0.00	1.73	26.797	O					13.46
32.667	0.00	1.74	27.526	O					13.73	37.833	0.00	1.73	26.785	O					13.46
32.750	0.00	1.74	27.514	O					13.73	37.917	0.00	1.73	26.773	O					13.45
32.833	0.00	1.74	27.502	O					13.72	38.000	0.00	1.73	26.762	O					13.45
32.917	0.00	1.74	27.490	O					13.72	38.083	0.00	1.73	26.750	O					13.45
33.000	0.00	1.74	27.478	O					13.71	38.167	0.00	1.73	26.738	O					13.44
33.083	0.00	1.74	27.466	O					13.71	38.250	0.00	1.73	26.726	O					13.44
33.167	0.00	1.74	27.454	O					13.71	38.333	0.00	1.73	26.714	O					13.43
33.250	0.00	1.74	27.442	O					13.70	38.417	0.00	1.73	26.702	O					13.43
33.333	0.00	1.74	27.430	O					13.70	38.500	0.00	1.73	26.690	O					13.42
33.417	0.00	1.74	27.418	O					13.69	38.583	0.00	1.73	26.678	O					13.42
33.500	0.00	1.74	27.406	O					13.69	38.667	0.00	1.72	26.666	O					13.41
33.583	0.00	1.74	27.394	O					13.68	38.750	0.00	1.72	26.655	O					13.41
33.667	0.00	1.74	27.382	O					13.68	38.833	0.00	1.72	26.643	O					13.41
33.750	0.00	1.74	27.370	O					13.67	38.917	0.00	1.72	26.631	O					13.40
33.833	0.00	1.74	27.358	O					13.67	39.000	0.00	1.72	26.619	O					13.40
33.917	0.00	1.74	27.347	O					13.67	39.083	0.00	1.72	26.607	O					13.39
34.000	0.00	1.74	27.335	O					13.66	39.167	0.00	1.72	26.595	O					13.39

39.250	0.00	1.72	26.583	O	|	|	|	|	13.38	44.417	0.00	1.71	25.851	O	|	|	|	|	13.11
39.333	0.00	1.72	26.571	O	|	|	|	|	13.38	44.500	0.00	1.71	25.839	O	|	|	|	|	13.11
39.417	0.00	1.72	26.560	O	|	|	|	|	13.38	44.583	0.00	1.71	25.828	O	|	|	|	|	13.11
39.500	0.00	1.72	26.548	O	|	|	|	|	13.37	44.667	0.00	1.71	25.816	O	|	|	|	|	13.10
39.583	0.00	1.72	26.536	O	|	|	|	|	13.37	44.750	0.00	1.71	25.804	O	|	|	|	|	13.10
39.667	0.00	1.72	26.524	O	|	|	|	|	13.36	44.833	0.00	1.71	25.792	O	|	|	|	|	13.09
39.750	0.00	1.72	26.512	O	|	|	|	|	13.36	44.917	0.00	1.71	25.781	O	|	|	|	|	13.09
39.833	0.00	1.72	26.500	O	|	|	|	|	13.35	45.000	0.00	1.71	25.769	O	|	|	|	|	13.08
39.917	0.00	1.72	26.488	O	|	|	|	|	13.35	45.083	0.00	1.70	25.757	O	|	|	|	|	13.08
40.000	0.00	1.72	26.477	O	|	|	|	|	13.34	45.167	0.00	1.70	25.745	O	|	|	|	|	13.08
40.083	0.00	1.72	26.465	O	|	|	|	|	13.34	45.250	0.00	1.70	25.734	O	|	|	|	|	13.07
40.167	0.00	1.72	26.453	O	|	|	|	|	13.34	45.333	0.00	1.70	25.722	O	|	|	|	|	13.07
40.250	0.00	1.72	26.441	O	|	|	|	|	13.33	45.417	0.00	1.70	25.710	O	|	|	|	|	13.06
40.333	0.00	1.72	26.429	O	|	|	|	|	13.33	45.500	0.00	1.70	25.698	O	|	|	|	|	13.06
40.417	0.00	1.72	26.417	O	|	|	|	|	13.32	45.583	0.00	1.70	25.687	O	|	|	|	|	13.05
40.500	0.00	1.72	26.406	O	|	|	|	|	13.32	45.667	0.00	1.70	25.675	O	|	|	|	|	13.05
40.583	0.00	1.72	26.394	O	|	|	|	|	13.31	45.750	0.00	1.70	25.663	O	|	|	|	|	13.04
40.667	0.00	1.72	26.382	O	|	|	|	|	13.31	45.833	0.00	1.70	25.651	O	|	|	|	|	13.04
40.750	0.00	1.72	26.370	O	|	|	|	|	13.31	45.917	0.00	1.70	25.640	O	|	|	|	|	13.04
40.833	0.00	1.72	26.358	O	|	|	|	|	13.30	46.000	0.00	1.70	25.628	O	|	|	|	|	13.03
40.917	0.00	1.72	26.346	O	|	|	|	|	13.30	46.083	0.00	1.70	25.616	O	|	|	|	|	13.03
41.000	0.00	1.72	26.335	O	|	|	|	|	13.29	46.167	0.00	1.70	25.605	O	|	|	|	|	13.02
41.083	0.00	1.72	26.323	O	|	|	|	|	13.29	46.250	0.00	1.70	25.593	O	|	|	|	|	13.02
41.167	0.00	1.72	26.311	O	|	|	|	|	13.28	46.333	0.00	1.70	25.581	O	|	|	|	|	13.01
41.250	0.00	1.72	26.299	O	|	|	|	|	13.28	46.417	0.00	1.70	25.569	O	|	|	|	|	13.01
41.333	0.00	1.72	26.287	O	|	|	|	|	13.27	46.500	0.00	1.70	25.558	O	|	|	|	|	13.01
41.417	0.00	1.72	26.275	O	|	|	|	|	13.27	46.583	0.00	1.70	25.546	O	|	|	|	|	13.00
41.500	0.00	1.72	26.264	O	|	|	|	|	13.27	46.667	0.00	1.70	25.534	O	|	|	|	|	13.00
41.583	0.00	1.72	26.252	O	|	|	|	|	13.26	46.750	0.00	1.70	25.523	O	|	|	|	|	12.99
41.667	0.00	1.72	26.240	O	|	|	|	|	13.26	46.833	0.00	1.70	25.511	O	|	|	|	|	12.99
41.750	0.00	1.72	26.228	O	|	|	|	|	13.25	46.917	0.00	1.70	25.499	O	|	|	|	|	12.98
41.833	0.00	1.71	26.216	O	|	|	|	|	13.25	47.000	0.00	1.70	25.488	O	|	|	|	|	12.98
41.917	0.00	1.71	26.205	O	|	|	|	|	13.24	47.083	0.00	1.70	25.476	O	|	|	|	|	12.98
42.000	0.00	1.71	26.193	O	|	|	|	|	13.24	47.167	0.00	1.70	25.464	O	|	|	|	|	12.97
42.083	0.00	1.71	26.181	O	|	|	|	|	13.24	47.250	0.00	1.70	25.452	O	|	|	|	|	12.97
42.167	0.00	1.71	26.169	O	|	|	|	|	13.23	47.333	0.00	1.70	25.441	O	|	|	|	|	12.96
42.250	0.00	1.71	26.157	O	|	|	|	|	13.23	47.417	0.00	1.70	25.429	O	|	|	|	|	12.96
42.333	0.00	1.71	26.145	O	|	|	|	|	13.22	47.500	0.00	1.70	25.417	O	|	|	|	|	12.95
42.417	0.00	1.71	26.134	O	|	|	|	|	13.22	47.583	0.00	1.70	25.406	O	|	|	|	|	12.95
42.500	0.00	1.71	26.122	O	|	|	|	|	13.21	47.667	0.00	1.70	25.394	O	|	|	|	|	12.94
42.583	0.00	1.71	26.110	O	|	|	|	|	13.21	47.750	0.00	1.70	25.382	O	|	|	|	|	12.94
42.667	0.00	1.71	26.098	O	|	|	|	|	13.21	47.833	0.00	1.70	25.371	O	|	|	|	|	12.94
42.750	0.00	1.71	26.087	O	|	|	|	|	13.20	47.917	0.00	1.70	25.359	O	|	|	|	|	12.93
42.833	0.00	1.71	26.075	O	|	|	|	|	13.20	48.000	0.00	1.69	25.347	O	|	|	|	|	12.93
42.917	0.00	1.71	26.063	O	|	|	|	|	13.19	48.083	0.00	1.69	25.336	O	|	|	|	|	12.92
43.000	0.00	1.71	26.051	O	|	|	|	|	13.19	48.167	0.00	1.69	25.324	O	|	|	|	|	12.92
43.083	0.00	1.71	26.039	O	|	|	|	|	13.18	48.250	0.00	1.69	25.312	O	|	|	|	|	12.91
43.167	0.00	1.71	26.028	O	|	|	|	|	13.18	48.333	0.00	1.69	25.301	O	|	|	|	|	12.91
43.250	0.00	1.71	26.016	O	|	|	|	|	13.17	48.417	0.00	1.69	25.289	O	|	|	|	|	12.90
43.333	0.00	1.71	26.004	O	|	|	|	|	13.17	48.500	0.00	1.69	25.277	O	|	|	|	|	12.90
43.417	0.00	1.71	25.992	O	|	|	|	|	13.17	48.583	0.00	1.69	25.266	O	|	|	|	|	12.90
43.500	0.00	1.71	25.980	O	|	|	|	|	13.16	48.667	0.00	1.69	25.254	O	|	|	|	|	12.89
43.583	0.00	1.71	25.969	O	|	|	|	|	13.16	48.750	0.00	1.69	25.242	O	|	|	|	|	12.89
43.667	0.00	1.71	25.957	O	|	|	|	|	13.15	48.833	0.00	1.69	25.231	O	|	|	|	|	12.88
43.750	0.00	1.71	25.945	O	|	|	|	|	13.15	48.917	0.00	1.69	25.219	O	|	|	|	|	12.88
43.833	0.00	1.71	25.933	O	|	|	|	|	13.14	49.000	0.00	1.69	25.207	O	|	|	|	|	12.87
43.917	0.00	1.71	25.922	O	|	|	|	|	13.14	49.083	0.00	1.69	25.196	O	|	|	|	|	12.87
44.000	0.00	1.71	25.910	O	|	|	|	|	13.14	49.167	0.00	1.69	25.184	O	|	|	|	|	12.87
44.083	0.00	1.71	25.898	O	|	|	|	|	13.13	49.250	0.00	1.69	25.172	O	|	|	|	|	12.86
44.167	0.00	1.71	25.886	O	|	|	|	|	13.13	49.333	0.00	1.69	25.161	O	|	|	|	|	12.86
44.250	0.00	1.71	25.875	O	|	|	|	|	13.12	49.417	0.00	1.69	25.149	O	|	|	|	|	12.85
44.333	0.00	1.71	25.863	O	|	|	|	|	13.12	49.500	0.00	1.69	25.138	O	|	|	|	|	12.85

49.583	0.00	1.69	25.126	O	|	|	|	|	12.84	54.750	0.00	1.67	24.409	O	|	|	|	|	12.57
49.667	0.00	1.69	25.114	O	|	|	|	|	12.84	54.833	0.00	1.67	24.397	O	|	|	|	|	12.57
49.750	0.00	1.69	25.103	O	|	|	|	|	12.83	54.917	0.00	1.67	24.386	O	|	|	|	|	12.56
49.833	0.00	1.69	25.091	O	|	|	|	|	12.83	55.000	0.00	1.67	24.374	O	|	|	|	|	12.56
49.917	0.00	1.69	25.079	O	|	|	|	|	12.83	55.083	0.00	1.67	24.363	O	|	|	|	|	12.56
50.000	0.00	1.69	25.068	O	|	|	|	|	12.82	55.167	0.00	1.67	24.351	O	|	|	|	|	12.55
50.083	0.00	1.69	25.056	O	|	|	|	|	12.82	55.250	0.00	1.67	24.340	O	|	|	|	|	12.55
50.167	0.00	1.69	25.045	O	|	|	|	|	12.81	55.333	0.00	1.67	24.328	O	|	|	|	|	12.54
50.250	0.00	1.69	25.033	O	|	|	|	|	12.81	55.417	0.00	1.67	24.317	O	|	|	|	|	12.54
50.333	0.00	1.69	25.021	O	|	|	|	|	12.80	55.500	0.00	1.67	24.305	O	|	|	|	|	12.53
50.417	0.00	1.69	25.010	O	|	|	|	|	12.80	55.583	0.00	1.67	24.294	O	|	|	|	|	12.53
50.500	0.00	1.69	24.998	O	|	|	|	|	12.80	55.667	0.00	1.67	24.282	O	|	|	|	|	12.53
50.583	0.00	1.69	24.986	O	|	|	|	|	12.79	55.750	0.00	1.67	24.271	O	|	|	|	|	12.52
50.667	0.00	1.69	24.975	O	|	|	|	|	12.79	55.833	0.00	1.67	24.259	O	|	|	|	|	12.52
50.750	0.00	1.68	24.963	O	|	|	|	|	12.78	55.917	0.00	1.67	24.248	O	|	|	|	|	12.51
50.833	0.00	1.68	24.952	O	|	|	|	|	12.78	56.000	0.00	1.67	24.236	O	|	|	|	|	12.51
50.917	0.00	1.68	24.940	O	|	|	|	|	12.77	56.083	0.00	1.67	24.225	O	|	|	|	|	12.50
51.000	0.00	1.68	24.928	O	|	|	|	|	12.77	56.167	0.00	1.66	24.213	O	|	|	|	|	12.50
51.083	0.00	1.68	24.917	O	|	|	|	|	12.76	56.250	0.00	1.66	24.202	O	|	|	|	|	12.50
51.167	0.00	1.68	24.905	O	|	|	|	|	12.76	56.333	0.00	1.66	24.191	O	|	|	|	|	12.49
51.250	0.00	1.68	24.894	O	|	|	|	|	12.76	56.417	0.00	1.66	24.179	O	|	|	|	|	12.49
51.333	0.00	1.68	24.882	O	|	|	|	|	12.75	56.500	0.00	1.66	24.168	O	|	|	|	|	12.48
51.417	0.00	1.68	24.870	O	|	|	|	|	12.75	56.583	0.00	1.66	24.156	O	|	|	|	|	12.48
51.500	0.00	1.68	24.859	O	|	|	|	|	12.74	56.667	0.00	1.66	24.145	O	|	|	|	|	12.47
51.583	0.00	1.68	24.847	O	|	|	|	|	12.74	56.750	0.00	1.66	24.133	O	|	|	|	|	12.47
51.667	0.00	1.68	24.836	O	|	|	|	|	12.73	56.833	0.00	1.66	24.122	O	|	|	|	|	12.47
51.750	0.00	1.68	24.824	O	|	|	|	|	12.73	56.917	0.00	1.66	24.110	O	|	|	|	|	12.46
51.833	0.00	1.68	24.813	O	|	|	|	|	12.73	57.000	0.00	1.66	24.099	O	|	|	|	|	12.46
51.917	0.00	1.68	24.801	O	|	|	|	|	12.72	57.083	0.00	1.66	24.087	O	|	|	|	|	12.45
52.000	0.00	1.68	24.789	O	|	|	|	|	12.72	57.167	0.00	1.66	24.076	O	|	|	|	|	12.45
52.083	0.00	1.68	24.778	O	|	|	|	|	12.71	57.250	0.00	1.66	24.065	O	|	|	|	|	12.44
52.167	0.00	1.68	24.766	O	|	|	|	|	12.71	57.333	0.00	1.66	24.053	O	|	|	|	|	12.44
52.250	0.00	1.68	24.755	O	|	|	|	|	12.70	57.417	0.00	1.66	24.042	O	|	|	|	|	12.44
52.333	0.00	1.68	24.743	O	|	|	|	|	12.70	57.500	0.00	1.66	24.030	O	|	|	|	|	12.43
52.417	0.00	1.68	24.732	O	|	|	|	|	12.69	57.583	0.00	1.66	24.019	O	|	|	|	|	12.43
52.500	0.00	1.68	24.720	O	|	|	|	|	12.69	57.667	0.00	1.66	24.007	O	|	|	|	|	12.42
52.583	0.00	1.68	24.708	O	|	|	|	|	12.69	57.750	0.00	1.66	23.996	O	|	|	|	|	12.42
52.667	0.00	1.68	24.697	O	|	|	|	|	12.68	57.833	0.00	1.66	23.985	O	|	|	|	|	12.41
52.750	0.00	1.68	24.685	O	|	|	|	|	12.68	57.917	0.00	1.66	23.973	O	|	|	|	|	12.41
52.833	0.00	1.68	24.674	O	|	|	|	|	12.67	58.000	0.00	1.66	23.962	O	|	|	|	|	12.41
52.917	0.00	1.68	24.662	O	|	|	|	|	12.67	58.083	0.00	1.66	23.950	O	|	|	|	|	12.40
53.000	0.00	1.68	24.651	O	|	|	|	|	12.66	58.167	0.00	1.66	23.939	O	|	|	|	|	12.40
53.083	0.00	1.68	24.639	O	|	|	|	|	12.66	58.250	0.00	1.66	23.927	O	|	|	|	|	12.39
53.167	0.00	1.68	24.628	O	|	|	|	|	12.66	58.333	0.00	1.66	23.916	O	|	|	|	|	12.39
53.250	0.00	1.68	24.616	O	|	|	|	|	12.65	58.417	0.00	1.66	23.905	O	|	|	|	|	12.38
53.333	0.00	1.68	24.605	O	|	|	|	|	12.65	58.500	0.00	1.66	23.893	O	|	|	|	|	12.38
53.417	0.00	1.67	24.593	O	|	|	|	|	12.64	58.583	0.00	1.66	23.882	O	|	|	|	|	12.37
53.500	0.00	1.67	24.581	O	|	|	|	|	12.64	58.667	0.00	1.66	23.870	O	|	|	|	|	12.37
53.583	0.00	1.67	24.570	O	|	|	|	|	12.63	58.750	0.00	1.66	23.859	O	|	|	|	|	12.37
53.667	0.00	1.67	24.558	O	|	|	|	|	12.63	58.833	0.00	1.66	23.848	O	|	|	|	|	12.36
53.750	0.00	1.67	24.547	O	|	|	|	|	12.63	58.917	0.00	1.66	23.836	O	|	|	|	|	12.36
53.833	0.00	1.67	24.535	O	|	|	|	|	12.62	59.000	0.00	1.65	23.825	O	|	|	|	|	12.35
53.917	0.00	1.67	24.524	O	|	|	|	|	12.62	59.083	0.00	1.65	23.813	O	|	|	|	|	12.35
54.000	0.00	1.67	24.512	O	|	|	|	|	12.61	59.167	0.00	1.65	23.802	O	|	|	|	|	12.34
54.083	0.00	1.67	24.501	O	|	|	|	|	12.61	59.250	0.00	1.65	23.791	O	|	|	|	|	12.34
54.167	0.00	1.67	24.489	O	|	|	|	|	12.60	59.333	0.00	1.65	23.779	O	|	|	|	|	12.34
54.250	0.00	1.67	24.478	O	|	|	|	|	12.60	59.417	0.00	1.65	23.768	O	|	|	|	|	12.33
54.333	0.00	1.67	24.466	O	|	|	|	|	12.59	59.500	0.00	1.65	23.756	O	|	|	|	|	12.33
54.417	0.00	1.67	24.455	O	|	|	|	|	12.59	59.583	0.00	1.65	23.745	O	|	|	|	|	12.32
54.500	0.00	1.67	24.443	O	|	|	|	|	12.59	59.667	0.00	1.65	23.734	O	|	|	|	|	12.32
54.583	0.00	1.67	24.432	O	|	|	|	|	12.58	59.750	0.00	1.65	23.722	O	|	|	|	|	12.31
54.667	0.00	1.67	24.420	O	|	|	|	|	12.58	59.833	0.00	1.65	23.711	O	|	|	|	|	12.31

59.917	0.00	1.65	23.700	O	|	|	|	|	12.31	65.083	0.00	1.63	22.998	O	|	|	|	|	12.04
60.000	0.00	1.65	23.688	O	|	|	|	|	12.30	65.167	0.00	1.63	22.987	O	|	|	|	|	12.04
60.083	0.00	1.65	23.677	O	|	|	|	|	12.30	65.250	0.00	1.63	22.976	O	|	|	|	|	12.03
60.167	0.00	1.65	23.665	O	|	|	|	|	12.29	65.333	0.00	1.63	22.965	O	|	|	|	|	12.03
60.250	0.00	1.65	23.654	O	|	|	|	|	12.29	65.417	0.00	1.63	22.953	O	|	|	|	|	12.03
60.333	0.00	1.65	23.643	O	|	|	|	|	12.28	65.500	0.00	1.63	22.942	O	|	|	|	|	12.02
60.417	0.00	1.65	23.631	O	|	|	|	|	12.28	65.583	0.00	1.63	22.931	O	|	|	|	|	12.02
60.500	0.00	1.65	23.620	O	|	|	|	|	12.28	65.667	0.00	1.63	22.920	O	|	|	|	|	12.01
60.583	0.00	1.65	23.609	O	|	|	|	|	12.27	65.750	0.00	1.63	22.908	O	|	|	|	|	12.01
60.667	0.00	1.65	23.597	O	|	|	|	|	12.27	65.833	0.00	1.63	22.897	O	|	|	|	|	12.00
60.750	0.00	1.65	23.586	O	|	|	|	|	12.26	65.917	0.00	1.63	22.886	O	|	|	|	|	12.00
60.833	0.00	1.65	23.575	O	|	|	|	|	12.26	66.000	0.00	1.63	22.875	O	|	|	|	|	12.00
60.917	0.00	1.65	23.563	O	|	|	|	|	12.25	66.083	0.00	1.63	22.864	O	|	|	|	|	11.99
61.000	0.00	1.65	23.552	O	|	|	|	|	12.25	66.167	0.00	1.63	22.852	O	|	|	|	|	11.99
61.083	0.00	1.65	23.541	O	|	|	|	|	12.25	66.250	0.00	1.63	22.841	O	|	|	|	|	11.98
61.167	0.00	1.65	23.529	O	|	|	|	|	12.24	66.333	0.00	1.63	22.830	O	|	|	|	|	11.98
61.250	0.00	1.65	23.518	O	|	|	|	|	12.24	66.417	0.00	1.63	22.819	O	|	|	|	|	11.97
61.333	0.00	1.65	23.507	O	|	|	|	|	12.23	66.500	0.00	1.63	22.807	O	|	|	|	|	11.97
61.417	0.00	1.65	23.495	O	|	|	|	|	12.23	66.583	0.00	1.63	22.796	O	|	|	|	|	11.97
61.500	0.00	1.65	23.484	O	|	|	|	|	12.23	66.667	0.00	1.63	22.785	O	|	|	|	|	11.96
61.583	0.00	1.65	23.473	O	|	|	|	|	12.22	66.750	0.00	1.63	22.774	O	|	|	|	|	11.96
61.667	0.00	1.65	23.461	O	|	|	|	|	12.22	66.833	0.00	1.63	22.763	O	|	|	|	|	11.95
61.750	0.00	1.64	23.450	O	|	|	|	|	12.21	66.917	0.00	1.63	22.751	O	|	|	|	|	11.95
61.833	0.00	1.64	23.439	O	|	|	|	|	12.21	67.000	0.00	1.63	22.740	O	|	|	|	|	11.94
61.917	0.00	1.64	23.427	O	|	|	|	|	12.20	67.083	0.00	1.63	22.729	O	|	|	|	|	11.94
62.000	0.00	1.64	23.416	O	|	|	|	|	12.20	67.167	0.00	1.63	22.718	O	|	|	|	|	11.93
62.083	0.00	1.64	23.405	O	|	|	|	|	12.20	67.250	0.00	1.63	22.707	O	|	|	|	|	11.93
62.167	0.00	1.64	23.393	O	|	|	|	|	12.19	67.333	0.00	1.62	22.695	O	|	|	|	|	11.93
62.250	0.00	1.64	23.382	O	|	|	|	|	12.19	67.417	0.00	1.62	22.684	O	|	|	|	|	11.92
62.333	0.00	1.64	23.371	O	|	|	|	|	12.18	67.500	0.00	1.62	22.673	O	|	|	|	|	11.92
62.417	0.00	1.64	23.359	O	|	|	|	|	12.18	67.583	0.00	1.62	22.662	O	|	|	|	|	11.91
62.500	0.00	1.64	23.348	O	|	|	|	|	12.17	67.667	0.00	1.62	22.651	O	|	|	|	|	11.91
62.583	0.00	1.64	23.337	O	|	|	|	|	12.17	67.750	0.00	1.62	22.640	O	|	|	|	|	11.90
62.667	0.00	1.64	23.325	O	|	|	|	|	12.17	67.833	0.00	1.62	22.628	O	|	|	|	|	11.90
62.750	0.00	1.64	23.314	O	|	|	|	|	12.16	67.917	0.00	1.62	22.617	O	|	|	|	|	11.90
62.833	0.00	1.64	23.303	O	|	|	|	|	12.16	68.000	0.00	1.62	22.606	O	|	|	|	|	11.89
62.917	0.00	1.64	23.291	O	|	|	|	|	12.15	68.083	0.00	1.62	22.595	O	|	|	|	|	11.89
63.000	0.00	1.64	23.280	O	|	|	|	|	12.15	68.167	0.00	1.62	22.584	O	|	|	|	|	11.88
63.083	0.00	1.64	23.269	O	|	|	|	|	12.14	68.250	0.00	1.62	22.573	O	|	|	|	|	11.88
63.167	0.00	1.64	23.258	O	|	|	|	|	12.14	68.333	0.00	1.62	22.561	O	|	|	|	|	11.87
63.250	0.00	1.64	23.246	O	|	|	|	|	12.14	68.417	0.00	1.62	22.550	O	|	|	|	|	11.87
63.333	0.00	1.64	23.235	O	|	|	|	|	12.13	68.500	0.00	1.62	22.539	O	|	|	|	|	11.86
63.417	0.00	1.64	23.224	O	|	|	|	|	12.13	68.583	0.00	1.62	22.528	O	|	|	|	|	11.86
63.500	0.00	1.64	23.212	O	|	|	|	|	12.12	68.667	0.00	1.62	22.517	O	|	|	|	|	11.86
63.583	0.00	1.64	23.201	O	|	|	|	|	12.12	68.750	0.00	1.62	22.506	O	|	|	|	|	11.85
63.667	0.00	1.64	23.190	O	|	|	|	|	12.11	68.833	0.00	1.62	22.494	O	|	|	|	|	11.85
63.750	0.00	1.64	23.179	O	|	|	|	|	12.11	68.917	0.00	1.62	22.483	O	|	|	|	|	11.84
63.833	0.00	1.64	23.167	O	|	|	|	|	12.11	69.000	0.00	1.62	22.472	O	|	|	|	|	11.84
63.917	0.00	1.64	23.156	O	|	|	|	|	12.10	69.083	0.00	1.62	22.461	O	|	|	|	|	11.83
64.000	0.00	1.64	23.145	O	|	|	|	|	12.10	69.167	0.00	1.62	22.450	O	|	|	|	|	11.83
64.083	0.00	1.64	23.133	O	|	|	|	|	12.09	69.250	0.00	1.62	22.439	O	|	|	|	|	11.83
64.167	0.00	1.64	23.122	O	|	|	|	|	12.09	69.333	0.00	1.62	22.428	O	|	|	|	|	11.82
64.250	0.00	1.64	23.111	O	|	|	|	|	12.08	69.417	0.00	1.62	22.416	O	|	|	|	|	11.82
64.333	0.00	1.64	23.100	O	|	|	|	|	12.08	69.500	0.00	1.62	22.405	O	|	|	|	|	11.81
64.417	0.00	1.64	23.088	O	|	|	|	|	12.08	69.583	0.00	1.62	22.394	O	|	|	|	|	11.81
64.500	0.00	1.64	23.077	O	|	|	|	|	12.07	69.667	0.00	1.62	22.383	O	|	|	|	|	11.80
64.583	0.00	1.63	23.066	O	|	|	|	|	12.07	69.750	0.00	1.62	22.372	O	|	|	|	|	11.80
64.667	0.00	1.63	23.055	O	|	|	|	|	12.06	69.833	0.00	1.62	22.361	O	|	|	|	|	11.80
64.750	0.00	1.63	23.043	O	|	|	|	|	12.06	69.917	0.00	1.62	22.350	O	|	|	|	|	11.79
64.833	0.00	1.63	23.032	O	|	|	|	|	12.06	70.000	0.00	1.62	22.338	O	|	|	|	|	11.79
64.917	0.00	1.63	23.021	O	|	|	|	|	12.05	70.083	0.00	1.61	22.327	O	|	|	|	|	11.78
65.000	0.00	1.63	23.010	O	|	|	|	|	12.05	70.167	0.00	1.61	22.316	O	|	|	|	|	11.78

70.250	0.00	1.61	22.305	O					11.77	75.417	0.00	1.60	21.620	O					11.51
70.333	0.00	1.61	22.294	O					11.77	75.500	0.00	1.60	21.609	O					11.50
70.417	0.00	1.61	22.283	O					11.76	75.583	0.00	1.59	21.598	O					11.50
70.500	0.00	1.61	22.272	O					11.76	75.667	0.00	1.59	21.587	O					11.49
70.583	0.00	1.61	22.261	O					11.76	75.750	0.00	1.59	21.576	O					11.49
70.667	0.00	1.61	22.250	O					11.75	75.833	0.00	1.59	21.565	O					11.48
70.750	0.00	1.61	22.238	O					11.75	75.917	0.00	1.59	21.554	O					11.48
70.833	0.00	1.61	22.227	O					11.74	76.000	0.00	1.59	21.543	O					11.48
70.917	0.00	1.61	22.216	O					11.74	76.083	0.00	1.59	21.532	O					11.47
71.000	0.00	1.61	22.205	O					11.73	76.167	0.00	1.59	21.521	O					11.47
71.083	0.00	1.61	22.194	O					11.73	76.250	0.00	1.59	21.510	O					11.46
71.167	0.00	1.61	22.183	O					11.73	76.333	0.00	1.59	21.499	O					11.46
71.250	0.00	1.61	22.172	O					11.72	76.417	0.00	1.59	21.488	O					11.46
71.333	0.00	1.61	22.161	O					11.72	76.500	0.00	1.59	21.477	O					11.45
71.417	0.00	1.61	22.150	O					11.71	76.583	0.00	1.59	21.466	O					11.45
71.500	0.00	1.61	22.139	O					11.71	76.667	0.00	1.59	21.455	O					11.44
71.583	0.00	1.61	22.128	O					11.70	76.750	0.00	1.59	21.444	O					11.44
71.667	0.00	1.61	22.116	O					11.70	76.833	0.00	1.59	21.433	O					11.43
71.750	0.00	1.61	22.105	O					11.70	76.917	0.00	1.59	21.422	O					11.43
71.833	0.00	1.61	22.094	O					11.69	77.000	0.00	1.59	21.411	O					11.43
71.917	0.00	1.61	22.083	O					11.69	77.083	0.00	1.59	21.401	O					11.42
72.000	0.00	1.61	22.072	O					11.68	77.167	0.00	1.59	21.390	O					11.42
72.083	0.00	1.61	22.061	O					11.68	77.250	0.00	1.59	21.379	O					11.41
72.167	0.00	1.61	22.050	O					11.67	77.333	0.00	1.59	21.368	O					11.41
72.250	0.00	1.61	22.039	O					11.67	77.417	0.00	1.59	21.357	O					11.40
72.333	0.00	1.61	22.028	O					11.67	77.500	0.00	1.59	21.346	O					11.40
72.417	0.00	1.61	22.017	O					11.66	77.583	0.00	1.59	21.335	O					11.40
72.500	0.00	1.61	22.006	O					11.66	77.667	0.00	1.59	21.324	O					11.39
72.583	0.00	1.61	21.995	O					11.65	77.750	0.00	1.59	21.313	O					11.39
72.667	0.00	1.61	21.984	O					11.65	77.833	0.00	1.59	21.302	O					11.38
72.750	0.00	1.61	21.973	O					11.64	77.917	0.00	1.59	21.291	O					11.38
72.833	0.00	1.60	21.961	O					11.64	78.000	0.00	1.59	21.280	O					11.37
72.917	0.00	1.60	21.950	O					11.64	78.083	0.00	1.59	21.269	O					11.37
73.000	0.00	1.60	21.939	O					11.63	78.167	0.00	1.59	21.258	O					11.37
73.083	0.00	1.60	21.928	O					11.63	78.250	0.00	1.59	21.247	O					11.36
73.167	0.00	1.60	21.917	O					11.62	78.333	0.00	1.58	21.237	O					11.36
73.250	0.00	1.60	21.906	O					11.62	78.417	0.00	1.58	21.226	O					11.35
73.333	0.00	1.60	21.895	O					11.61	78.500	0.00	1.58	21.215	O					11.35
73.417	0.00	1.60	21.884	O					11.61	78.583	0.00	1.58	21.204	O					11.34
73.500	0.00	1.60	21.873	O					11.61	78.667	0.00	1.58	21.193	O					11.34
73.583	0.00	1.60	21.862	O					11.60	78.750	0.00	1.58	21.182	O					11.34
73.667	0.00	1.60	21.851	O					11.60	78.833	0.00	1.58	21.171	O					11.33
73.750	0.00	1.60	21.840	O					11.59	78.917	0.00	1.58	21.160	O					11.33
73.833	0.00	1.60	21.829	O					11.59	79.000	0.00	1.58	21.149	O					11.32
73.917	0.00	1.60	21.818	O					11.58	79.083	0.00	1.58	21.138	O					11.32
74.000	0.00	1.60	21.807	O					11.58	79.167	0.00	1.58	21.127	O					11.31
74.083	0.00	1.60	21.796	O					11.58	79.250	0.00	1.58	21.117	O					11.31
74.167	0.00	1.60	21.785	O					11.57	79.333	0.00	1.58	21.106	O					11.31
74.250	0.00	1.60	21.774	O					11.57	79.417	0.00	1.58	21.095	O					11.30
74.333	0.00	1.60	21.763	O					11.56	79.500	0.00	1.58	21.084	O					11.30
74.417	0.00	1.60	21.752	O					11.56	79.583	0.00	1.58	21.073	O					11.29
74.500	0.00	1.60	21.741	O					11.55	79.667	0.00	1.58	21.062	O					11.29
74.583	0.00	1.60	21.730	O					11.55	79.750	0.00	1.58	21.051	O					11.28
74.667	0.00	1.60	21.719	O					11.54	79.833	0.00	1.58	21.040	O					11.28
74.750	0.00	1.60	21.708	O					11.54	79.917	0.00	1.58	21.030	O					11.28
74.833	0.00	1.60	21.697	O					11.54	80.000	0.00	1.58	21.019	O					11.27
74.917	0.00	1.60	21.686	O					11.53	80.083	0.00	1.58	21.008	O					11.27
75.000	0.00	1.60	21.675	O					11.53	80.167	0.00	1.58	20.997	O					11.26
75.083	0.00	1.60	21.664	O					11.52	80.250	0.00	1.58	20.986	O					11.26
75.167	0.00	1.60	21.653	O					11.52	80.333	0.00	1.58	20.975	O					11.26
75.250	0.00	1.60	21.642	O					11.51	80.417	0.00	1.58	20.964	O					11.25
75.333	0.00	1.60	21.631	O					11.51	80.500	0.00	1.58	20.953	O					11.25

80.583	0.00	1.58	20.943	O	|	|	|	|	11.24	85.750	0.00	1.56	20.273	O	|	|	|	|	10.98
80.667	0.00	1.58	20.932	O	|	|	|	|	11.24	85.833	0.00	1.56	20.262	O	|	|	|	|	10.98
80.750	0.00	1.58	20.921	O	|	|	|	|	11.23	85.917	0.00	1.56	20.252	O	|	|	|	|	10.97
80.833	0.00	1.58	20.910	O	|	|	|	|	11.23	86.000	0.00	1.56	20.241	O	|	|	|	|	10.97
80.917	0.00	1.58	20.899	O	|	|	|	|	11.23	86.083	0.00	1.56	20.230	O	|	|	|	|	10.96
81.000	0.00	1.58	20.888	O	|	|	|	|	11.22	86.167	0.00	1.56	20.219	O	|	|	|	|	10.96
81.083	0.00	1.58	20.877	O	|	|	|	|	11.22	86.250	0.00	1.56	20.209	O	|	|	|	|	10.95
81.167	0.00	1.57	20.867	O	|	|	|	|	11.21	86.333	0.00	1.56	20.198	O	|	|	|	|	10.95
81.250	0.00	1.57	20.856	O	|	|	|	|	11.21	86.417	0.00	1.56	20.187	O	|	|	|	|	10.95
81.333	0.00	1.57	20.845	O	|	|	|	|	11.20	86.500	0.00	1.56	20.177	O	|	|	|	|	10.94
81.417	0.00	1.57	20.834	O	|	|	|	|	11.20	86.583	0.00	1.56	20.166	O	|	|	|	|	10.94
81.500	0.00	1.57	20.823	O	|	|	|	|	11.20	86.667	0.00	1.56	20.155	O	|	|	|	|	10.93
81.583	0.00	1.57	20.812	O	|	|	|	|	11.19	86.750	0.00	1.55	20.144	O	|	|	|	|	10.93
81.667	0.00	1.57	20.802	O	|	|	|	|	11.19	86.833	0.00	1.55	20.134	O	|	|	|	|	10.92
81.750	0.00	1.57	20.791	O	|	|	|	|	11.18	86.917	0.00	1.55	20.123	O	|	|	|	|	10.92
81.833	0.00	1.57	20.780	O	|	|	|	|	11.18	87.000	0.00	1.55	20.112	O	|	|	|	|	10.91
81.917	0.00	1.57	20.769	O	|	|	|	|	11.17	87.083	0.00	1.55	20.102	O	|	|	|	|	10.91
82.000	0.00	1.57	20.758	O	|	|	|	|	11.17	87.167	0.00	1.55	20.091	O	|	|	|	|	10.91
82.083	0.00	1.57	20.747	O	|	|	|	|	11.17	87.250	0.00	1.55	20.080	O	|	|	|	|	10.90
82.167	0.00	1.57	20.737	O	|	|	|	|	11.16	87.333	0.00	1.55	20.070	O	|	|	|	|	10.90
82.250	0.00	1.57	20.726	O	|	|	|	|	11.16	87.417	0.00	1.55	20.059	O	|	|	|	|	10.89
82.333	0.00	1.57	20.715	O	|	|	|	|	11.15	87.500	0.00	1.55	20.048	O	|	|	|	|	10.89
82.417	0.00	1.57	20.704	O	|	|	|	|	11.15	87.583	0.00	1.55	20.037	O	|	|	|	|	10.88
82.500	0.00	1.57	20.693	O	|	|	|	|	11.15	87.667	0.00	1.55	20.027	O	|	|	|	|	10.88
82.583	0.00	1.57	20.683	O	|	|	|	|	11.14	87.750	0.00	1.55	20.016	O	|	|	|	|	10.87
82.667	0.00	1.57	20.672	O	|	|	|	|	11.14	87.833	0.00	1.55	20.005	O	|	|	|	|	10.87
82.750	0.00	1.57	20.661	O	|	|	|	|	11.13	87.917	0.00	1.55	19.995	O	|	|	|	|	10.87
82.833	0.00	1.57	20.650	O	|	|	|	|	11.13	88.000	0.00	1.55	19.984	O	|	|	|	|	10.86
82.917	0.00	1.57	20.639	O	|	|	|	|	11.12	88.083	0.00	1.55	19.973	O	|	|	|	|	10.86
83.000	0.00	1.57	20.628	O	|	|	|	|	11.12	88.167	0.00	1.55	19.963	O	|	|	|	|	10.85
83.083	0.00	1.57	20.618	O	|	|	|	|	11.12	88.250	0.00	1.55	19.952	O	|	|	|	|	10.85
83.167	0.00	1.57	20.607	O	|	|	|	|	11.11	88.333	0.00	1.55	19.941	O	|	|	|	|	10.84
83.250	0.00	1.57	20.596	O	|	|	|	|	11.11	88.417	0.00	1.55	19.931	O	|	|	|	|	10.84
83.333	0.00	1.57	20.585	O	|	|	|	|	11.10	88.500	0.00	1.55	19.920	O	|	|	|	|	10.84
83.417	0.00	1.57	20.574	O	|	|	|	|	11.10	88.583	0.00	1.55	19.909	O	|	|	|	|	10.83
83.500	0.00	1.57	20.564	O	|	|	|	|	11.09	88.667	0.00	1.55	19.899	O	|	|	|	|	10.83
83.583	0.00	1.57	20.553	O	|	|	|	|	11.09	88.750	0.00	1.55	19.888	O	|	|	|	|	10.82
83.667	0.00	1.57	20.542	O	|	|	|	|	11.09	88.833	0.00	1.55	19.877	O	|	|	|	|	10.82
83.750	0.00	1.57	20.531	O	|	|	|	|	11.08	88.917	0.00	1.55	19.867	O	|	|	|	|	10.81
83.833	0.00	1.57	20.521	O	|	|	|	|	11.08	89.000	0.00	1.55	19.856	O	|	|	|	|	10.81
83.917	0.00	1.57	20.510	O	|	|	|	|	11.07	89.083	0.00	1.55	19.845	O	|	|	|	|	10.80
84.000	0.00	1.56	20.499	O	|	|	|	|	11.07	89.167	0.00	1.55	19.835	O	|	|	|	|	10.80
84.083	0.00	1.56	20.488	O	|	|	|	|	11.07	89.250	0.00	1.55	19.824	O	|	|	|	|	10.80
84.167	0.00	1.56	20.477	O	|	|	|	|	11.06	89.333	0.00	1.55	19.814	O	|	|	|	|	10.79
84.250	0.00	1.56	20.467	O	|	|	|	|	11.06	89.417	0.00	1.55	19.803	O	|	|	|	|	10.79
84.333	0.00	1.56	20.456	O	|	|	|	|	11.05	89.500	0.00	1.54	19.792	O	|	|	|	|	10.78
84.417	0.00	1.56	20.445	O	|	|	|	|	11.05	89.583	0.00	1.54	19.782	O	|	|	|	|	10.78
84.500	0.00	1.56	20.434	O	|	|	|	|	11.04	89.667	0.00	1.54	19.771	O	|	|	|	|	10.77
84.583	0.00	1.56	20.424	O	|	|	|	|	11.04	89.750	0.00	1.54	19.760	O	|	|	|	|	10.77
84.667	0.00	1.56	20.413	O	|	|	|	|	11.04	89.833	0.00	1.54	19.750	O	|	|	|	|	10.77
84.750	0.00	1.56	20.402	O	|	|	|	|	11.03	89.917	0.00	1.54	19.739	O	|	|	|	|	10.76
84.833	0.00	1.56	20.391	O	|	|	|	|	11.03	90.000	0.00	1.54	19.728	O	|	|	|	|	10.76
84.917	0.00	1.56	20.381	O	|	|	|	|	11.02	90.083	0.00	1.54	19.718	O	|	|	|	|	10.75
85.000	0.00	1.56	20.370	O	|	|	|	|	11.02	90.167	0.00	1.54	19.707	O	|	|	|	|	10.75
85.083	0.00	1.56	20.359	O	|	|	|	|	11.01	90.250	0.00	1.54	19.697	O	|	|	|	|	10.74
85.167	0.00	1.56	20.348	O	|	|	|	|	11.01	90.333	0.00	1.54	19.686	O	|	|	|	|	10.74
85.250	0.00	1.56	20.338	O	|	|	|	|	11.01	90.417	0.00	1.54	19.675	O	|	|	|	|	10.74
85.333	0.00	1.56	20.327	O	|	|	|	|	11.00	90.500	0.00	1.54	19.665	O	|	|	|	|	10.73
85.417	0.00	1.56	20.316	O	|	|	|	|	11.00	90.583	0.00	1.54	19.654	O	|	|	|	|	10.73
85.500	0.00	1.56	20.305	O	|	|	|	|	10.99	90.667	0.00	1.54	19.643	O	|	|	|	|	10.72
85.583	0.00	1.56	20.295	O	|	|	|	|	10.99	90.750	0.00	1.54	19.633	O	|	|	|	|	10.72
85.667	0.00	1.56	20.284	O	|	|	|	|	10.98	90.833	0.00	1.54	19.622	O	|	|	|	|	10.71

90.917	0.00	1.54	19.612	O	|	|	|	|	10.71	96.083	0.00	1.52	18.958	O	|	|	|	|	10.44
91.000	0.00	1.54	19.601	O	|	|	|	|	10.70	96.167	0.00	1.52	18.948	O	|	|	|	|	10.44
91.083	0.00	1.54	19.590	O	|	|	|	|	10.70	96.250	0.00	1.52	18.937	O	|	|	|	|	10.43
91.167	0.00	1.54	19.580	O	|	|	|	|	10.70	96.333	0.00	1.52	18.927	O	|	|	|	|	10.43
91.250	0.00	1.54	19.569	O	|	|	|	|	10.69	96.417	0.00	1.52	18.916	O	|	|	|	|	10.42
91.333	0.00	1.54	19.559	O	|	|	|	|	10.69	96.500	0.00	1.52	18.906	O	|	|	|	|	10.42
91.417	0.00	1.54	19.548	O	|	|	|	|	10.68	96.583	0.00	1.52	18.895	O	|	|	|	|	10.42
91.500	0.00	1.54	19.537	O	|	|	|	|	10.68	96.667	0.00	1.52	18.885	O	|	|	|	|	10.41
91.583	0.00	1.54	19.527	O	|	|	|	|	10.67	96.750	0.00	1.52	18.875	O	|	|	|	|	10.41
91.667	0.00	1.54	19.516	O	|	|	|	|	10.67	96.833	0.00	1.52	18.864	O	|	|	|	|	10.40
91.750	0.00	1.54	19.506	O	|	|	|	|	10.67	96.917	0.00	1.52	18.854	O	|	|	|	|	10.40
91.833	0.00	1.54	19.495	O	|	|	|	|	10.66	97.000	0.00	1.52	18.843	O	|	|	|	|	10.39
91.917	0.00	1.54	19.485	O	|	|	|	|	10.66	97.083	0.00	1.52	18.833	O	|	|	|	|	10.39
92.000	0.00	1.54	19.474	O	|	|	|	|	10.65	97.167	0.00	1.52	18.822	O	|	|	|	|	10.39
92.083	0.00	1.54	19.463	O	|	|	|	|	10.65	97.250	0.00	1.52	18.812	O	|	|	|	|	10.38
92.167	0.00	1.54	19.453	O	|	|	|	|	10.64	97.333	0.00	1.52	18.801	O	|	|	|	|	10.38
92.250	0.00	1.53	19.442	O	|	|	|	|	10.64	97.417	0.00	1.52	18.791	O	|	|	|	|	10.37
92.333	0.00	1.53	19.432	O	|	|	|	|	10.64	97.500	0.00	1.52	18.780	O	|	|	|	|	10.37
92.417	0.00	1.53	19.421	O	|	|	|	|	10.63	97.583	0.00	1.52	18.770	O	|	|	|	|	10.36
92.500	0.00	1.53	19.411	O	|	|	|	|	10.63	97.667	0.00	1.52	18.760	O	|	|	|	|	10.36
92.583	0.00	1.53	19.400	O	|	|	|	|	10.62	97.750	0.00	1.51	18.749	O	|	|	|	|	10.36
92.667	0.00	1.53	19.389	O	|	|	|	|	10.62	97.833	0.00	1.51	18.739	O	|	|	|	|	10.35
92.750	0.00	1.53	19.379	O	|	|	|	|	10.61	97.917	0.00	1.51	18.728	O	|	|	|	|	10.35
92.833	0.00	1.53	19.368	O	|	|	|	|	10.61	98.000	0.00	1.51	18.718	O	|	|	|	|	10.34
92.917	0.00	1.53	19.358	O	|	|	|	|	10.60	98.083	0.00	1.51	18.707	O	|	|	|	|	10.34
93.000	0.00	1.53	19.347	O	|	|	|	|	10.60	98.167	0.00	1.51	18.697	O	|	|	|	|	10.33
93.083	0.00	1.53	19.337	O	|	|	|	|	10.60	98.250	0.00	1.51	18.687	O	|	|	|	|	10.33
93.167	0.00	1.53	19.326	O	|	|	|	|	10.59	98.333	0.00	1.51	18.676	O	|	|	|	|	10.33
93.250	0.00	1.53	19.316	O	|	|	|	|	10.59	98.417	0.00	1.51	18.666	O	|	|	|	|	10.32
93.333	0.00	1.53	19.305	O	|	|	|	|	10.58	98.500	0.00	1.51	18.655	O	|	|	|	|	10.32
93.417	0.00	1.53	19.294	O	|	|	|	|	10.58	98.583	0.00	1.51	18.645	O	|	|	|	|	10.31
93.500	0.00	1.53	19.284	O	|	|	|	|	10.57	98.667	0.00	1.51	18.635	O	|	|	|	|	10.31
93.583	0.00	1.53	19.273	O	|	|	|	|	10.57	98.750	0.00	1.51	18.624	O	|	|	|	|	10.30
93.667	0.00	1.53	19.263	O	|	|	|	|	10.57	98.833	0.00	1.51	18.614	O	|	|	|	|	10.30
93.750	0.00	1.53	19.252	O	|	|	|	|	10.56	98.917	0.00	1.51	18.603	O	|	|	|	|	10.30
93.833	0.00	1.53	19.242	O	|	|	|	|	10.56	99.000	0.00	1.51	18.593	O	|	|	|	|	10.29
93.917	0.00	1.53	19.231	O	|	|	|	|	10.55	99.083	0.00	1.51	18.583	O	|	|	|	|	10.29
94.000	0.00	1.53	19.221	O	|	|	|	|	10.55	99.167	0.00	1.51	18.572	O	|	|	|	|	10.28
94.083	0.00	1.53	19.210	O	|	|	|	|	10.54	99.250	0.00	1.51	18.562	O	|	|	|	|	10.28
94.167	0.00	1.53	19.200	O	|	|	|	|	10.54	99.333	0.00	1.51	18.551	O	|	|	|	|	10.27
94.250	0.00	1.53	19.189	O	|	|	|	|	10.54	99.417	0.00	1.51	18.541	O	|	|	|	|	10.27
94.333	0.00	1.53	19.179	O	|	|	|	|	10.53	99.500	0.00	1.51	18.531	O	|	|	|	|	10.27
94.417	0.00	1.53	19.168	O	|	|	|	|	10.53	99.583	0.00	1.51	18.520	O	|	|	|	|	10.26
94.500	0.00	1.53	19.158	O	|	|	|	|	10.52	99.667	0.00	1.51	18.510	O	|	|	|	|	10.26
94.583	0.00	1.53	19.147	O	|	|	|	|	10.52	99.750	0.00	1.51	18.499	O	|	|	|	|	10.25
94.667	0.00	1.53	19.137	O	|	|	|	|	10.51	99.833	0.00	1.51	18.489	O	|	|	|	|	10.25
94.750	0.00	1.53	19.126	O	|	|	|	|	10.51	99.917	0.00	1.51	18.479	O	|	|	|	|	10.24
94.833	0.00	1.53	19.116	O	|	|	|	|	10.51	100.000	0.00	1.51	18.468	O	|	|	|	|	10.24
94.917	0.00	1.53	19.105	O	|	|	|	|	10.50	100.083	0.00	1.51	18.458	O	|	|	|	|	10.24
95.000	0.00	1.52	19.095	O	|	|	|	|	10.50	100.167	0.00	1.51	18.447	O	|	|	|	|	10.23
95.083	0.00	1.52	19.084	O	|	|	|	|	10.49	100.250	0.00	1.51	18.437	O	|	|	|	|	10.23
95.167	0.00	1.52	19.074	O	|	|	|	|	10.49	100.333	0.00	1.51	18.427	O	|	|	|	|	10.22
95.250	0.00	1.52	19.063	O	|	|	|	|	10.48	100.417	0.00	1.51	18.416	O	|	|	|	|	10.22
95.333	0.00	1.52	19.053	O	|	|	|	|	10.48	100.500	0.00	1.50	18.406	O	|	|	|	|	10.21
95.417	0.00	1.52	19.042	O	|	|	|	|	10.48	100.583	0.00	1.50	18.396	O	|	|	|	|	10.21
95.500	0.00	1.52	19.032	O	|	|	|	|	10.47	100.667	0.00	1.50	18.385	O	|	|	|	|	10.21
95.583	0.00	1.52	19.021	O	|	|	|	|	10.47	100.750	0.00	1.50	18.375	O	|	|	|	|	10.20
95.667	0.00	1.52	19.011	O	|	|	|	|	10.46	100.833	0.00	1.50	18.365	O	|	|	|	|	10.20
95.750	0.00	1.52	19.000	O	|	|	|	|	10.46	100.917	0.00	1.50	18.354	O	|	|	|	|	10.19
95.833	0.00	1.52	18.990	O	|	|	|	|	10.45	101.000	0.00	1.50	18.344	O	|	|	|	|	10.19
95.917	0.00	1.52	18.979	O	|	|	|	|	10.45	101.083	0.00	1.50	18.334	O	|	|	|	|	10.18
96.000	0.00	1.52	18.969	O	|	|	|	|	10.45	101.167	0.00	1.50	18.323	O	|	|	|	|	10.18

101.250	0.00	1.50	18.313	O	|	|	|	|	10.18	106.417	0.00	1.48	17.675	O	|	|	|	|	9.91
101.333	0.00	1.50	18.302	O	|	|	|	|	10.17	106.500	0.00	1.48	17.665	O	|	|	|	|	9.91
101.417	0.00	1.50	18.292	O	|	|	|	|	10.17	106.583	0.00	1.48	17.655	O	|	|	|	|	9.90
101.500	0.00	1.50	18.282	O	|	|	|	|	10.16	106.667	0.00	1.48	17.645	O	|	|	|	|	9.90
101.583	0.00	1.50	18.271	O	|	|	|	|	10.16	106.750	0.00	1.48	17.635	O	|	|	|	|	9.89
101.667	0.00	1.50	18.261	O	|	|	|	|	10.15	106.833	0.00	1.48	17.624	O	|	|	|	|	9.89
101.750	0.00	1.50	18.251	O	|	|	|	|	10.15	106.917	0.00	1.48	17.614	O	|	|	|	|	9.88
101.833	0.00	1.50	18.240	O	|	|	|	|	10.15	107.000	0.00	1.48	17.604	O	|	|	|	|	9.88
101.917	0.00	1.50	18.230	O	|	|	|	|	10.14	107.083	0.00	1.48	17.594	O	|	|	|	|	9.87
102.000	0.00	1.50	18.220	O	|	|	|	|	10.14	107.167	0.00	1.48	17.584	O	|	|	|	|	9.87
102.083	0.00	1.50	18.209	O	|	|	|	|	10.13	107.250	0.00	1.48	17.573	O	|	|	|	|	9.87
102.167	0.00	1.50	18.199	O	|	|	|	|	10.13	107.333	0.00	1.48	17.563	O	|	|	|	|	9.86
102.250	0.00	1.50	18.189	O	|	|	|	|	10.13	107.417	0.00	1.48	17.553	O	|	|	|	|	9.86
102.333	0.00	1.50	18.178	O	|	|	|	|	10.12	107.500	0.00	1.48	17.543	O	|	|	|	|	9.85
102.417	0.00	1.50	18.168	O	|	|	|	|	10.12	107.583	0.00	1.48	17.533	O	|	|	|	|	9.85
102.500	0.00	1.50	18.158	O	|	|	|	|	10.11	107.667	0.00	1.48	17.522	O	|	|	|	|	9.84
102.583	0.00	1.50	18.148	O	|	|	|	|	10.11	107.750	0.00	1.48	17.512	O	|	|	|	|	9.84
102.667	0.00	1.50	18.137	O	|	|	|	|	10.10	107.833	0.00	1.48	17.502	O	|	|	|	|	9.83
102.750	0.00	1.50	18.127	O	|	|	|	|	10.10	107.917	0.00	1.48	17.492	O	|	|	|	|	9.83
102.833	0.00	1.50	18.117	O	|	|	|	|	10.10	108.000	0.00	1.48	17.482	O	|	|	|	|	9.83
102.917	0.00	1.50	18.106	O	|	|	|	|	10.09	108.083	0.00	1.48	17.472	O	|	|	|	|	9.82
103.000	0.00	1.50	18.096	O	|	|	|	|	10.09	108.167	0.00	1.48	17.461	O	|	|	|	|	9.82
103.083	0.00	1.50	18.086	O	|	|	|	|	10.08	108.250	0.00	1.48	17.451	O	|	|	|	|	9.81
103.167	0.00	1.50	18.075	O	|	|	|	|	10.08	108.333	0.00	1.47	17.441	O	|	|	|	|	9.81
103.250	0.00	1.50	18.065	O	|	|	|	|	10.07	108.417	0.00	1.47	17.431	O	|	|	|	|	9.80
103.333	0.00	1.49	18.055	O	|	|	|	|	10.07	108.500	0.00	1.47	17.421	O	|	|	|	|	9.80
103.417	0.00	1.49	18.045	O	|	|	|	|	10.07	108.583	0.00	1.47	17.411	O	|	|	|	|	9.80
103.500	0.00	1.49	18.034	O	|	|	|	|	10.06	108.667	0.00	1.47	17.401	O	|	|	|	|	9.79
103.583	0.00	1.49	18.024	O	|	|	|	|	10.06	108.750	0.00	1.47	17.390	O	|	|	|	|	9.79
103.667	0.00	1.49	18.014	O	|	|	|	|	10.05	108.833	0.00	1.47	17.380	O	|	|	|	|	9.78
103.750	0.00	1.49	18.003	O	|	|	|	|	10.05	108.917	0.00	1.47	17.370	O	|	|	|	|	9.78
103.833	0.00	1.49	17.993	O	|	|	|	|	10.04	109.000	0.00	1.47	17.360	O	|	|	|	|	9.77
103.917	0.00	1.49	17.983	O	|	|	|	|	10.04	109.083	0.00	1.47	17.350	O	|	|	|	|	9.77
104.000	0.00	1.49	17.972	O	|	|	|	|	10.04	109.167	0.00	1.47	17.340	O	|	|	|	|	9.76
104.083	0.00	1.49	17.962	O	|	|	|	|	10.03	109.250	0.00	1.47	17.330	O	|	|	|	|	9.76
104.167	0.00	1.49	17.952	O	|	|	|	|	10.03	109.333	0.00	1.47	17.319	O	|	|	|	|	9.76
104.250	0.00	1.49	17.942	O	|	|	|	|	10.02	109.417	0.00	1.47	17.309	O	|	|	|	|	9.75
104.333	0.00	1.49	17.931	O	|	|	|	|	10.02	109.500	0.00	1.47	17.299	O	|	|	|	|	9.75
104.417	0.00	1.49	17.921	O	|	|	|	|	10.02	109.583	0.00	1.47	17.289	O	|	|	|	|	9.74
104.500	0.00	1.49	17.911	O	|	|	|	|	10.01	109.667	0.00	1.47	17.279	O	|	|	|	|	9.74
104.583	0.00	1.49	17.901	O	|	|	|	|	10.01	109.750	0.00	1.47	17.269	O	|	|	|	|	9.73
104.667	0.00	1.49	17.890	O	|	|	|	|	10.00	109.833	0.00	1.47	17.259	O	|	|	|	|	9.73
104.750	0.00	1.49	17.880	O	|	|	|	|	10.00	109.917	0.00	1.47	17.249	O	|	|	|	|	9.73
104.833	0.00	1.49	17.870	O	|	|	|	|	9.99	110.000	0.00	1.47	17.238	O	|	|	|	|	9.72
104.917	0.00	1.49	17.860	O	|	|	|	|	9.99	110.083	0.00	1.47	17.228	O	|	|	|	|	9.72
105.000	0.00	1.49	17.849	O	|	|	|	|	9.98	110.167	0.00	1.47	17.218	O	|	|	|	|	9.71
105.083	0.00	1.49	17.839	O	|	|	|	|	9.98	110.250	0.00	1.47	17.208	O	|	|	|	|	9.71
105.167	0.00	1.49	17.829	O	|	|	|	|	9.98	110.333	0.00	1.47	17.198	O	|	|	|	|	9.70
105.250	0.00	1.49	17.819	O	|	|	|	|	9.97	110.417	0.00	1.47	17.188	O	|	|	|	|	9.70
105.333	0.00	1.49	17.808	O	|	|	|	|	9.97	110.500	0.00	1.47	17.178	O	|	|	|	|	9.69
105.417	0.00	1.49	17.798	O	|	|	|	|	9.96	110.583	0.00	1.47	17.168	O	|	|	|	|	9.69
105.500	0.00	1.49	17.788	O	|	|	|	|	9.96	110.667	0.00	1.46	17.158	O	|	|	|	|	9.69
105.583	0.00	1.49	17.778	O	|	|	|	|	9.95	110.750	0.00	1.46	17.148	O	|	|	|	|	9.68
105.667	0.00	1.49	17.767	O	|	|	|	|	9.95	110.833	0.00	1.46	17.138	O	|	|	|	|	9.68
105.750	0.00	1.49	17.757	O	|	|	|	|	9.95	110.917	0.00	1.46	17.127	O	|	|	|	|	9.67
105.833	0.00	1.49	17.747	O	|	|	|	|	9.94	111.000	0.00	1.46	17.117	O	|	|	|	|	9.67
105.917	0.00	1.48	17.737	O	|	|	|	|	9.94	111.083	0.00	1.46	17.107	O	|	|	|	|	9.66
106.000	0.00	1.48	17.726	O	|	|	|	|	9.93	111.167	0.00	1.46	17.097	O	|	|	|	|	9.66
106.083	0.00	1.48	17.716	O	|	|	|	|	9.93	111.250	0.00	1.46	17.087	O	|	|	|	|	9.66
106.167	0.00	1.48	17.706	O	|	|	|	|	9.92	111.333	0.00	1.46	17.077	O	|	|	|	|	9.65
106.250	0.00	1.48	17.696	O	|	|	|	|	9.92	111.417	0.00	1.46	17.067	O	|	|	|	|	9.65
106.333	0.00	1.48	17.686	O	|	|	|	|	9.91	111.500	0.00	1.46	17.057	O	|	|	|	|	9.64

111.583	0.00	1.46	17.047	O	|	|	|	|	9.64	116.750	0.00	1.44	16.428	O	|	|	|	|	9.37
111.667	0.00	1.46	17.037	O	|	|	|	|	9.63	116.833	0.00	1.44	16.418	O	|	|	|	|	9.37
111.750	0.00	1.46	17.027	O	|	|	|	|	9.63	116.917	0.00	1.44	16.408	O	|	|	|	|	9.36
111.833	0.00	1.46	17.017	O	|	|	|	|	9.63	117.000	0.00	1.44	16.398	O	|	|	|	|	9.36
111.917	0.00	1.46	17.007	O	|	|	|	|	9.62	117.083	0.00	1.44	16.388	O	|	|	|	|	9.35
112.000	0.00	1.46	16.997	O	|	|	|	|	9.62	117.167	0.00	1.44	16.378	O	|	|	|	|	9.35
112.083	0.00	1.46	16.987	O	|	|	|	|	9.61	117.250	0.00	1.44	16.368	O	|	|	|	|	9.34
112.167	0.00	1.46	16.976	O	|	|	|	|	9.61	117.333	0.00	1.44	16.358	O	|	|	|	|	9.34
112.250	0.00	1.46	16.966	O	|	|	|	|	9.60	117.417	0.00	1.44	16.348	O	|	|	|	|	9.34
112.333	0.00	1.46	16.956	O	|	|	|	|	9.60	117.500	0.00	1.44	16.338	O	|	|	|	|	9.33
112.417	0.00	1.46	16.946	O	|	|	|	|	9.59	117.583	0.00	1.44	16.329	O	|	|	|	|	9.33
112.500	0.00	1.46	16.936	O	|	|	|	|	9.59	117.667	0.00	1.44	16.319	O	|	|	|	|	9.32
112.583	0.00	1.46	16.926	O	|	|	|	|	9.59	117.750	0.00	1.44	16.309	O	|	|	|	|	9.32
112.667	0.00	1.46	16.916	O	|	|	|	|	9.58	117.833	0.00	1.44	16.299	O	|	|	|	|	9.31
112.750	0.00	1.46	16.906	O	|	|	|	|	9.58	117.917	0.00	1.43	16.289	O	|	|	|	|	9.31
112.833	0.00	1.46	16.896	O	|	|	|	|	9.57	118.000	0.00	1.43	16.279	O	|	|	|	|	9.31
112.917	0.00	1.46	16.886	O	|	|	|	|	9.57	118.083	0.00	1.43	16.269	O	|	|	|	|	9.30
113.000	0.00	1.46	16.876	O	|	|	|	|	9.56	118.167	0.00	1.43	16.259	O	|	|	|	|	9.30
113.083	0.00	1.45	16.866	O	|	|	|	|	9.56	118.250	0.00	1.43	16.249	O	|	|	|	|	9.29
113.167	0.00	1.45	16.856	O	|	|	|	|	9.56	118.333	0.00	1.43	16.240	O	|	|	|	|	9.29
113.250	0.00	1.45	16.846	O	|	|	|	|	9.55	118.417	0.00	1.43	16.230	O	|	|	|	|	9.28
113.333	0.00	1.45	16.836	O	|	|	|	|	9.55	118.500	0.00	1.43	16.220	O	|	|	|	|	9.28
113.417	0.00	1.45	16.826	O	|	|	|	|	9.54	118.583	0.00	1.43	16.210	O	|	|	|	|	9.28
113.500	0.00	1.45	16.816	O	|	|	|	|	9.54	118.667	0.00	1.43	16.200	O	|	|	|	|	9.27
113.583	0.00	1.45	16.806	O	|	|	|	|	9.53	118.750	0.00	1.43	16.190	O	|	|	|	|	9.27
113.667	0.00	1.45	16.796	O	|	|	|	|	9.53	118.833	0.00	1.43	16.180	O	|	|	|	|	9.26
113.750	0.00	1.45	16.786	O	|	|	|	|	9.53	118.917	0.00	1.43	16.171	O	|	|	|	|	9.26
113.833	0.00	1.45	16.776	O	|	|	|	|	9.52	119.000	0.00	1.43	16.161	O	|	|	|	|	9.25
113.917	0.00	1.45	16.766	O	|	|	|	|	9.52	119.083	0.00	1.43	16.151	O	|	|	|	|	9.25
114.000	0.00	1.45	16.756	O	|	|	|	|	9.51	119.167	0.00	1.43	16.141	O	|	|	|	|	9.25
114.083	0.00	1.45	16.746	O	|	|	|	|	9.51	119.250	0.00	1.43	16.131	O	|	|	|	|	9.24
114.167	0.00	1.45	16.736	O	|	|	|	|	9.50	119.333	0.00	1.43	16.121	O	|	|	|	|	9.24
114.250	0.00	1.45	16.726	O	|	|	|	|	9.50	119.417	0.00	1.43	16.112	O	|	|	|	|	9.23
114.333	0.00	1.45	16.716	O	|	|	|	|	9.50	119.500	0.00	1.43	16.102	O	|	|	|	|	9.23
114.417	0.00	1.45	16.706	O	|	|	|	|	9.49	119.583	0.00	1.43	16.092	O	|	|	|	|	9.23
114.500	0.00	1.45	16.696	O	|	|	|	|	9.49	119.667	0.00	1.43	16.082	O	|	|	|	|	9.22
114.583	0.00	1.45	16.686	O	|	|	|	|	9.48	119.750	0.00	1.43	16.072	O	|	|	|	|	9.22
114.667	0.00	1.45	16.676	O	|	|	|	|	9.48	119.833	0.00	1.43	16.062	O	|	|	|	|	9.21
114.750	0.00	1.45	16.666	O	|	|	|	|	9.47	119.917	0.00	1.43	16.053	O	|	|	|	|	9.21
114.833	0.00	1.45	16.656	O	|	|	|	|	9.47	120.000	0.00	1.43	16.043	O	|	|	|	|	9.20
114.917	0.00	1.45	16.646	O	|	|	|	|	9.46	120.083	0.00	1.43	16.033	O	|	|	|	|	9.20
115.000	0.00	1.45	16.636	O	|	|	|	|	9.46	120.167	0.00	1.43	16.023	O	|	|	|	|	9.20
115.083	0.00	1.45	16.626	O	|	|	|	|	9.46	120.250	0.00	1.43	16.013	O	|	|	|	|	9.19
115.167	0.00	1.45	16.616	O	|	|	|	|	9.45	120.333	0.00	1.42	16.003	O	|	|	|	|	9.19
115.250	0.00	1.45	16.606	O	|	|	|	|	9.45	120.417	0.00	1.42	15.994	O	|	|	|	|	9.18
115.333	0.00	1.45	16.596	O	|	|	|	|	9.44	120.500	0.00	1.42	15.984	O	|	|	|	|	9.18
115.417	0.00	1.45	16.587	O	|	|	|	|	9.44	120.583	0.00	1.42	15.974	O	|	|	|	|	9.17
115.500	0.00	1.44	16.577	O	|	|	|	|	9.43	120.667	0.00	1.42	15.964	O	|	|	|	|	9.17
115.583	0.00	1.44	16.567	O	|	|	|	|	9.43	120.750	0.00	1.42	15.954	O	|	|	|	|	9.17
115.667	0.00	1.44	16.557	O	|	|	|	|	9.43	120.833	0.00	1.42	15.945	O	|	|	|	|	9.16
115.750	0.00	1.44	16.547	O	|	|	|	|	9.42	120.917	0.00	1.42	15.935	O	|	|	|	|	9.16
115.833	0.00	1.44	16.537	O	|	|	|	|	9.42	121.000	0.00	1.42	15.925	O	|	|	|	|	9.15
115.917	0.00	1.44	16.527	O	|	|	|	|	9.41	121.083	0.00	1.42	15.915	O	|	|	|	|	9.15
116.000	0.00	1.44	16.517	O	|	|	|	|	9.41	121.167	0.00	1.42	15.905	O	|	|	|	|	9.14
116.083	0.00	1.44	16.507	O	|	|	|	|	9.40	121.250	0.00	1.42	15.896	O	|	|	|	|	9.14
116.167	0.00	1.44	16.497	O	|	|	|	|	9.40	121.333	0.00	1.42	15.886	O	|	|	|	|	9.14
116.250	0.00	1.44	16.487	O	|	|	|	|	9.40	121.417	0.00	1.42	15.876	O	|	|	|	|	9.13
116.333	0.00	1.44	16.477	O	|	|	|	|	9.39	121.500	0.00	1.42	15.866	O	|	|	|	|	9.13
116.417	0.00	1.44	16.467	O	|	|	|	|	9.39	121.583	0.00	1.42	15.856	O	|	|	|	|	9.12
116.500	0.00	1.44	16.457	O	|	|	|	|	9.38	121.667	0.00	1.42	15.847	O	|	|	|	|	9.12
116.583	0.00	1.44	16.447	O	|	|	|	|	9.38	121.750	0.00	1.42	15.837	O	|	|	|	|	9.11
116.667	0.00	1.44	16.437	O	|	|	|	|	9.37	121.833	0.00	1.42	15.827	O	|	|	|	|	9.11

121.917	0.00	1.42	15.817	O	|	|	|	|	9.11	127.083	0.00	1.40	15.216	O	|	|	|	|	8.84
122.000	0.00	1.42	15.808	O	|	|	|	|	9.10	127.167	0.00	1.40	15.207	O	|	|	|	|	8.83
122.083	0.00	1.42	15.798	O	|	|	|	|	9.10	127.250	0.00	1.40	15.197	O	|	|	|	|	8.83
122.167	0.00	1.42	15.788	O	|	|	|	|	9.09	127.333	0.00	1.40	15.187	O	|	|	|	|	8.82
122.250	0.00	1.42	15.778	O	|	|	|	|	9.09	127.417	0.00	1.40	15.178	O	|	|	|	|	8.82
122.333	0.00	1.42	15.769	O	|	|	|	|	9.09	127.500	0.00	1.40	15.168	O	|	|	|	|	8.82
122.417	0.00	1.42	15.759	O	|	|	|	|	9.08	127.583	0.00	1.39	15.159	O	|	|	|	|	8.81
122.500	0.00	1.42	15.749	O	|	|	|	|	9.08	127.667	0.00	1.39	15.149	O	|	|	|	|	8.81
122.583	0.00	1.42	15.739	O	|	|	|	|	9.07	127.750	0.00	1.39	15.139	O	|	|	|	|	8.80
122.667	0.00	1.42	15.730	O	|	|	|	|	9.07	127.833	0.00	1.39	15.130	O	|	|	|	|	8.80
122.750	0.00	1.42	15.720	O	|	|	|	|	9.06	127.917	0.00	1.39	15.120	O	|	|	|	|	8.79
122.833	0.00	1.41	15.710	O	|	|	|	|	9.06	128.000	0.00	1.39	15.111	O	|	|	|	|	8.79
122.917	0.00	1.41	15.700	O	|	|	|	|	9.06	128.083	0.00	1.39	15.101	O	|	|	|	|	8.79
123.000	0.00	1.41	15.691	O	|	|	|	|	9.05	128.167	0.00	1.39	15.091	O	|	|	|	|	8.78
123.083	0.00	1.41	15.681	O	|	|	|	|	9.05	128.250	0.00	1.39	15.082	O	|	|	|	|	8.78
123.167	0.00	1.41	15.671	O	|	|	|	|	9.04	128.333	0.00	1.39	15.072	O	|	|	|	|	8.77
123.250	0.00	1.41	15.661	O	|	|	|	|	9.04	128.417	0.00	1.39	15.063	O	|	|	|	|	8.77
123.333	0.00	1.41	15.652	O	|	|	|	|	9.03	128.500	0.00	1.39	15.053	O	|	|	|	|	8.76
123.417	0.00	1.41	15.642	O	|	|	|	|	9.03	128.583	0.00	1.39	15.043	O	|	|	|	|	8.76
123.500	0.00	1.41	15.632	O	|	|	|	|	9.03	128.667	0.00	1.39	15.034	O	|	|	|	|	8.75
123.583	0.00	1.41	15.622	O	|	|	|	|	9.02	128.750	0.00	1.39	15.024	O	|	|	|	|	8.75
123.667	0.00	1.41	15.613	O	|	|	|	|	9.02	128.833	0.00	1.39	15.015	O	|	|	|	|	8.75
123.750	0.00	1.41	15.603	O	|	|	|	|	9.01	128.917	0.00	1.39	15.005	O	|	|	|	|	8.74
123.833	0.00	1.41	15.593	O	|	|	|	|	9.01	129.000	0.00	1.39	14.996	O	|	|	|	|	8.74
123.917	0.00	1.41	15.584	O	|	|	|	|	9.01	129.083	0.00	1.39	14.986	O	|	|	|	|	8.73
124.000	0.00	1.41	15.574	O	|	|	|	|	9.00	129.167	0.00	1.39	14.976	O	|	|	|	|	8.73
124.083	0.00	1.41	15.564	O	|	|	|	|	9.00	129.250	0.00	1.39	14.967	O	|	|	|	|	8.72
124.167	0.00	1.41	15.554	O	|	|	|	|	8.99	129.333	0.00	1.39	14.957	O	|	|	|	|	8.72
124.250	0.00	1.41	15.545	O	|	|	|	|	8.99	129.417	0.00	1.39	14.948	O	|	|	|	|	8.72
124.333	0.00	1.41	15.535	O	|	|	|	|	8.98	129.500	0.00	1.39	14.938	O	|	|	|	|	8.71
124.417	0.00	1.41	15.525	O	|	|	|	|	8.98	129.583	0.00	1.39	14.929	O	|	|	|	|	8.71
124.500	0.00	1.41	15.516	O	|	|	|	|	8.97	129.667	0.00	1.39	14.919	O	|	|	|	|	8.70
124.583	0.00	1.41	15.506	O	|	|	|	|	8.97	129.750	0.00	1.39	14.910	O	|	|	|	|	8.70
124.667	0.00	1.41	15.496	O	|	|	|	|	8.97	129.833	0.00	1.39	14.900	O	|	|	|	|	8.69
124.750	0.00	1.41	15.487	O	|	|	|	|	8.96	129.917	0.00	1.39	14.890	O	|	|	|	|	8.69
124.833	0.00	1.41	15.477	O	|	|	|	|	8.96	130.000	0.00	1.38	14.881	O	|	|	|	|	8.68
124.917	0.00	1.41	15.467	O	|	|	|	|	8.95	130.083	0.00	1.38	14.871	O	|	|	|	|	8.68
125.000	0.00	1.41	15.457	O	|	|	|	|	8.95	130.167	0.00	1.38	14.862	O	|	|	|	|	8.68
125.083	0.00	1.41	15.448	O	|	|	|	|	8.94	130.250	0.00	1.38	14.852	O	|	|	|	|	8.67
125.167	0.00	1.41	15.438	O	|	|	|	|	8.94	130.333	0.00	1.38	14.843	O	|	|	|	|	8.67
125.250	0.00	1.40	15.428	O	|	|	|	|	8.93	130.417	0.00	1.38	14.833	O	|	|	|	|	8.66
125.333	0.00	1.40	15.419	O	|	|	|	|	8.93	130.500	0.00	1.38	14.824	O	|	|	|	|	8.66
125.417	0.00	1.40	15.409	O	|	|	|	|	8.93	130.583	0.00	1.38	14.814	O	|	|	|	|	8.65
125.500	0.00	1.40	15.399	O	|	|	|	|	8.92	130.667	0.00	1.38	14.805	O	|	|	|	|	8.65
125.583	0.00	1.40	15.390	O	|	|	|	|	8.92	130.750	0.00	1.38	14.795	O	|	|	|	|	8.65
125.667	0.00	1.40	15.380	O	|	|	|	|	8.91	130.833	0.00	1.38	14.786	O	|	|	|	|	8.64
125.750	0.00	1.40	15.370	O	|	|	|	|	8.91	130.917	0.00	1.38	14.776	O	|	|	|	|	8.64
125.833	0.00	1.40	15.361	O	|	|	|	|	8.90	131.000	0.00	1.38	14.767	O	|	|	|	|	8.63
125.917	0.00	1.40	15.351	O	|	|	|	|	8.90	131.083	0.00	1.38	14.757	O	|	|	|	|	8.63
126.000	0.00	1.40	15.341	O	|	|	|	|	8.90	131.167	0.00	1.38	14.748	O	|	|	|	|	8.62
126.083	0.00	1.40	15.332	O	|	|	|	|	8.89	131.250	0.00	1.38	14.738	O	|	|	|	|	8.62
126.167	0.00	1.40	15.322	O	|	|	|	|	8.89	131.333	0.00	1.38	14.729	O	|	|	|	|	8.62
126.250	0.00	1.40	15.313	O	|	|	|	|	8.88	131.417	0.00	1.38	14.719	O	|	|	|	|	8.61
126.333	0.00	1.40	15.303	O	|	|	|	|	8.88	131.500	0.00	1.38	14.710	O	|	|	|	|	8.61
126.417	0.00	1.40	15.293	O	|	|	|	|	8.87	131.583	0.00	1.38	14.700	O	|	|	|	|	8.60
126.500	0.00	1.40	15.284	O	|	|	|	|	8.87	131.667	0.00	1.38	14.691	O	|	|	|	|	8.60
126.583	0.00	1.40	15.274	O	|	|	|	|	8.86	131.750	0.00	1.38	14.681	O	|	|	|	|	8.59
126.667	0.00	1.40	15.264	O	|	|	|	|	8.86	131.833	0.00	1.38	14.672	O	|	|	|	|	8.59
126.750	0.00	1.40	15.255	O	|	|	|	|	8.86	131.917	0.00	1.38	14.662	O	|	|	|	|	8.59
126.833	0.00	1.40	15.245	O	|	|	|	|	8.85	132.000	0.00	1.38	14.653	O	|	|	|	|	8.58
126.917	0.00	1.40	15.235	O	|	|	|	|	8.85	132.083	0.00	1.38	14.643	O	|	|	|	|	8.58
127.000	0.00	1.40	15.226	O	|	|	|	|	8.84	132.167	0.00	1.38	14.634	O	|	|	|	|	8.57

132.250	0.00	1.38	14.624	O	|	|	|	|	8.57	137.417	0.00	1.35	14.042	O	|	|	|	|	8.30
132.333	0.00	1.38	14.615	O	|	|	|	|	8.56	137.500	0.00	1.35	14.032	O	|	|	|	|	8.30
132.417	0.00	1.37	14.605	O	|	|	|	|	8.56	137.583	0.00	1.35	14.023	O	|	|	|	|	8.29
132.500	0.00	1.37	14.596	O	|	|	|	|	8.55	137.667	0.00	1.35	14.014	O	|	|	|	|	8.29
132.583	0.00	1.37	14.586	O	|	|	|	|	8.55	137.750	0.00	1.35	14.004	O	|	|	|	|	8.28
132.667	0.00	1.37	14.577	O	|	|	|	|	8.55	137.833	0.00	1.35	13.995	O	|	|	|	|	8.28
132.750	0.00	1.37	14.568	O	|	|	|	|	8.54	137.917	0.00	1.35	13.986	O	|	|	|	|	8.28
132.833	0.00	1.37	14.558	O	|	|	|	|	8.54	138.000	0.00	1.35	13.976	O	|	|	|	|	8.27
132.917	0.00	1.37	14.549	O	|	|	|	|	8.53	138.083	0.00	1.35	13.967	O	|	|	|	|	8.27
133.000	0.00	1.37	14.539	O	|	|	|	|	8.53	138.167	0.00	1.35	13.958	O	|	|	|	|	8.26
133.083	0.00	1.37	14.530	O	|	|	|	|	8.52	138.250	0.00	1.35	13.948	O	|	|	|	|	8.26
133.167	0.00	1.37	14.520	O	|	|	|	|	8.52	138.333	0.00	1.35	13.939	O	|	|	|	|	8.25
133.250	0.00	1.37	14.511	O	|	|	|	|	8.52	138.417	0.00	1.35	13.930	O	|	|	|	|	8.25
133.333	0.00	1.37	14.501	O	|	|	|	|	8.51	138.500	0.00	1.35	13.921	O	|	|	|	|	8.25
133.417	0.00	1.37	14.492	O	|	|	|	|	8.51	138.583	0.00	1.35	13.911	O	|	|	|	|	8.24
133.500	0.00	1.37	14.482	O	|	|	|	|	8.50	138.667	0.00	1.35	13.902	O	|	|	|	|	8.24
133.583	0.00	1.37	14.473	O	|	|	|	|	8.50	138.750	0.00	1.35	13.893	O	|	|	|	|	8.23
133.667	0.00	1.37	14.464	O	|	|	|	|	8.49	138.833	0.00	1.35	13.883	O	|	|	|	|	8.23
133.750	0.00	1.37	14.454	O	|	|	|	|	8.49	138.917	0.00	1.35	13.874	O	|	|	|	|	8.23
133.833	0.00	1.37	14.445	O	|	|	|	|	8.49	139.000	0.00	1.35	13.865	O	|	|	|	|	8.22
133.917	0.00	1.37	14.435	O	|	|	|	|	8.48	139.083	0.00	1.35	13.856	O	|	|	|	|	8.22
134.000	0.00	1.37	14.426	O	|	|	|	|	8.48	139.167	0.00	1.35	13.846	O	|	|	|	|	8.21
134.083	0.00	1.37	14.416	O	|	|	|	|	8.47	139.250	0.00	1.35	13.837	O	|	|	|	|	8.21
134.167	0.00	1.37	14.407	O	|	|	|	|	8.47	139.333	0.00	1.35	13.828	O	|	|	|	|	8.20
134.250	0.00	1.37	14.398	O	|	|	|	|	8.46	139.417	0.00	1.35	13.818	O	|	|	|	|	8.20
134.333	0.00	1.37	14.388	O	|	|	|	|	8.46	139.500	0.00	1.35	13.809	O	|	|	|	|	8.20
134.417	0.00	1.37	14.379	O	|	|	|	|	8.46	139.583	0.00	1.35	13.800	O	|	|	|	|	8.19
134.500	0.00	1.37	14.369	O	|	|	|	|	8.45	139.667	0.00	1.34	13.791	O	|	|	|	|	8.19
134.583	0.00	1.37	14.360	O	|	|	|	|	8.45	139.750	0.00	1.34	13.781	O	|	|	|	|	8.18
134.667	0.00	1.37	14.351	O	|	|	|	|	8.44	139.833	0.00	1.34	13.772	O	|	|	|	|	8.18
134.750	0.00	1.37	14.341	O	|	|	|	|	8.44	139.917	0.00	1.34	13.763	O	|	|	|	|	8.17
134.833	0.00	1.36	14.332	O	|	|	|	|	8.43	140.000	0.00	1.34	13.754	O	|	|	|	|	8.17
134.917	0.00	1.36	14.322	O	|	|	|	|	8.43	140.083	0.00	1.34	13.744	O	|	|	|	|	8.17
135.000	0.00	1.36	14.313	O	|	|	|	|	8.43	140.167	0.00	1.34	13.735	O	|	|	|	|	8.16
135.083	0.00	1.36	14.304	O	|	|	|	|	8.42	140.250	0.00	1.34	13.726	O	|	|	|	|	8.16
135.167	0.00	1.36	14.294	O	|	|	|	|	8.42	140.333	0.00	1.34	13.717	O	|	|	|	|	8.15
135.250	0.00	1.36	14.285	O	|	|	|	|	8.41	140.417	0.00	1.34	13.707	O	|	|	|	|	8.15
135.333	0.00	1.36	14.275	O	|	|	|	|	8.41	140.500	0.00	1.34	13.698	O	|	|	|	|	8.14
135.417	0.00	1.36	14.266	O	|	|	|	|	8.40	140.583	0.00	1.34	13.689	O	|	|	|	|	8.14
135.500	0.00	1.36	14.257	O	|	|	|	|	8.40	140.667	0.00	1.34	13.680	O	|	|	|	|	8.14
135.583	0.00	1.36	14.247	O	|	|	|	|	8.40	140.750	0.00	1.34	13.670	O	|	|	|	|	8.13
135.667	0.00	1.36	14.238	O	|	|	|	|	8.39	140.833	0.00	1.34	13.661	O	|	|	|	|	8.13
135.750	0.00	1.36	14.229	O	|	|	|	|	8.39	140.917	0.00	1.34	13.652	O	|	|	|	|	8.12
135.833	0.00	1.36	14.219	O	|	|	|	|	8.38	141.000	0.00	1.34	13.643	O	|	|	|	|	8.12
135.917	0.00	1.36	14.210	O	|	|	|	|	8.38	141.083	0.00	1.34	13.633	O	|	|	|	|	8.12
136.000	0.00	1.36	14.200	O	|	|	|	|	8.37	141.167	0.00	1.34	13.624	O	|	|	|	|	8.11
136.083	0.00	1.36	14.191	O	|	|	|	|	8.37	141.250	0.00	1.34	13.615	O	|	|	|	|	8.11
136.167	0.00	1.36	14.182	O	|	|	|	|	8.37	141.333	0.00	1.34	13.606	O	|	|	|	|	8.10
136.250	0.00	1.36	14.172	O	|	|	|	|	8.36	141.417	0.00	1.34	13.597	O	|	|	|	|	8.10
136.333	0.00	1.36	14.163	O	|	|	|	|	8.36	141.500	0.00	1.34	13.587	O	|	|	|	|	8.09
136.417	0.00	1.36	14.154	O	|	|	|	|	8.35	141.583	0.00	1.34	13.578	O	|	|	|	|	8.09
136.500	0.00	1.36	14.144	O	|	|	|	|	8.35	141.667	0.00	1.34	13.569	O	|	|	|	|	8.09
136.583	0.00	1.36	14.135	O	|	|	|	|	8.34	141.750	0.00	1.34	13.560	O	|	|	|	|	8.08
136.667	0.00	1.36	14.126	O	|	|	|	|	8.34	141.833	0.00	1.34	13.551	O	|	|	|	|	8.08
136.750	0.00	1.36	14.116	O	|	|	|	|	8.34	141.917	0.00	1.34	13.541	O	|	|	|	|	8.07
136.833	0.00	1.36	14.107	O	|	|	|	|	8.33	142.000	0.00	1.34	13.532	O	|	|	|	|	8.07
136.917	0.00	1.36	14.098	O	|	|	|	|	8.33	142.083	0.00	1.34	13.523	O	|	|	|	|	8.06
137.000	0.00	1.36	14.088	O	|	|	|	|	8.32	142.167	0.00	1.33	13.514	O	|	|	|	|	8.06
137.083	0.00	1.36	14.079	O	|	|	|	|	8.32	142.250	0.00	1.33	13.505	O	|	|	|	|	8.06
137.167	0.00	1.36	14.070	O	|	|	|	|	8.31	142.333	0.00	1.33	13.495	O	|	|	|	|	8.05
137.250	0.00	1.35	14.060	O	|	|	|	|	8.31	142.417	0.00	1.33	13.486	O	|	|	|	|	8.05
137.333	0.00	1.35	14.051	O	|	|	|	|	8.31	142.500	0.00	1.33	13.477	O	|	|	|	|	8.04

142.583	0.00	1.33	13.468	O	|	|	|	|	8.04	147.750	0.00	1.31	12.904	O	|	|	|	|	7.77
142.667	0.00	1.33	13.459	O	|	|	|	|	8.04	147.833	0.00	1.31	12.895	O	|	|	|	|	7.77
142.750	0.00	1.33	13.449	O	|	|	|	|	8.03	147.917	0.00	1.31	12.886	O	|	|	|	|	7.76
142.833	0.00	1.33	13.440	O	|	|	|	|	8.03	148.000	0.00	1.31	12.877	O	|	|	|	|	7.76
142.917	0.00	1.33	13.431	O	|	|	|	|	8.02	148.083	0.00	1.31	12.868	O	|	|	|	|	7.75
143.000	0.00	1.33	13.422	O	|	|	|	|	8.02	148.167	0.00	1.31	12.859	O	|	|	|	|	7.75
143.083	0.00	1.33	13.413	O	|	|	|	|	8.01	148.250	0.00	1.31	12.850	O	|	|	|	|	7.74
143.167	0.00	1.33	13.404	O	|	|	|	|	8.01	148.333	0.00	1.31	12.841	O	|	|	|	|	7.74
143.250	0.00	1.33	13.394	O	|	|	|	|	8.01	148.417	0.00	1.31	12.832	O	|	|	|	|	7.73
143.333	0.00	1.33	13.385	O	|	|	|	|	8.00	148.500	0.00	1.31	12.823	O	|	|	|	|	7.73
143.417	0.00	1.33	13.376	O	|	|	|	|	8.00	148.583	0.00	1.31	12.814	O	|	|	|	|	7.73
143.500	0.00	1.33	13.367	O	|	|	|	|	7.99	148.667	0.00	1.30	12.805	O	|	|	|	|	7.72
143.583	0.00	1.33	13.358	O	|	|	|	|	7.99	148.750	0.00	1.30	12.796	O	|	|	|	|	7.72
143.667	0.00	1.33	13.349	O	|	|	|	|	7.98	148.833	0.00	1.30	12.787	O	|	|	|	|	7.71
143.750	0.00	1.33	13.340	O	|	|	|	|	7.98	148.917	0.00	1.30	12.778	O	|	|	|	|	7.71
143.833	0.00	1.33	13.330	O	|	|	|	|	7.98	149.000	0.00	1.30	12.769	O	|	|	|	|	7.70
143.917	0.00	1.33	13.321	O	|	|	|	|	7.97	149.083	0.00	1.30	12.760	O	|	|	|	|	7.70
144.000	0.00	1.33	13.312	O	|	|	|	|	7.97	149.167	0.00	1.30	12.751	O	|	|	|	|	7.70
144.083	0.00	1.33	13.303	O	|	|	|	|	7.96	149.250	0.00	1.30	12.742	O	|	|	|	|	7.69
144.167	0.00	1.33	13.294	O	|	|	|	|	7.96	149.333	0.00	1.30	12.733	O	|	|	|	|	7.69
144.250	0.00	1.33	13.285	O	|	|	|	|	7.95	149.417	0.00	1.30	12.724	O	|	|	|	|	7.68
144.333	0.00	1.33	13.276	O	|	|	|	|	7.95	149.500	0.00	1.30	12.715	O	|	|	|	|	7.68
144.417	0.00	1.33	13.266	O	|	|	|	|	7.94	149.583	0.00	1.30	12.706	O	|	|	|	|	7.67
144.500	0.00	1.32	13.257	O	|	|	|	|	7.94	149.667	0.00	1.30	12.697	O	|	|	|	|	7.67
144.583	0.00	1.32	13.248	O	|	|	|	|	7.94	149.750	0.00	1.30	12.688	O	|	|	|	|	7.67
144.667	0.00	1.32	13.239	O	|	|	|	|	7.93	149.833	0.00	1.30	12.679	O	|	|	|	|	7.66
144.750	0.00	1.32	13.230	O	|	|	|	|	7.93	149.917	0.00	1.30	12.670	O	|	|	|	|	7.66
144.833	0.00	1.32	13.221	O	|	|	|	|	7.92	150.000	0.00	1.30	12.661	O	|	|	|	|	7.65
144.917	0.00	1.32	13.212	O	|	|	|	|	7.92	150.083	0.00	1.30	12.652	O	|	|	|	|	7.65
145.000	0.00	1.32	13.203	O	|	|	|	|	7.91	150.167	0.00	1.30	12.643	O	|	|	|	|	7.64
145.083	0.00	1.32	13.194	O	|	|	|	|	7.91	150.250	0.00	1.30	12.634	O	|	|	|	|	7.64
145.167	0.00	1.32	13.184	O	|	|	|	|	7.91	150.333	0.00	1.30	12.625	O	|	|	|	|	7.64
145.250	0.00	1.32	13.175	O	|	|	|	|	7.90	150.417	0.00	1.30	12.616	O	|	|	|	|	7.63
145.333	0.00	1.32	13.166	O	|	|	|	|	7.90	150.500	0.00	1.30	12.607	O	|	|	|	|	7.63
145.417	0.00	1.32	13.157	O	|	|	|	|	7.89	150.583	0.00	1.30	12.599	O	|	|	|	|	7.62
145.500	0.00	1.32	13.148	O	|	|	|	|	7.89	150.667	0.00	1.30	12.590	O	|	|	|	|	7.62
145.583	0.00	1.32	13.139	O	|	|	|	|	7.88	150.750	0.00	1.30	12.581	O	|	|	|	|	7.61
145.667	0.00	1.32	13.130	O	|	|	|	|	7.88	150.833	0.00	1.29	12.572	O	|	|	|	|	7.61
145.750	0.00	1.32	13.121	O	|	|	|	|	7.87	150.917	0.00	1.29	12.563	O	|	|	|	|	7.60
145.833	0.00	1.32	13.112	O	|	|	|	|	7.87	151.000	0.00	1.29	12.554	O	|	|	|	|	7.60
145.917	0.00	1.32	13.103	O	|	|	|	|	7.87	151.083	0.00	1.29	12.545	O	|	|	|	|	7.60
146.000	0.00	1.32	13.094	O	|	|	|	|	7.86	151.167	0.00	1.29	12.536	O	|	|	|	|	7.59
146.083	0.00	1.32	13.084	O	|	|	|	|	7.86	151.250	0.00	1.29	12.527	O	|	|	|	|	7.59
146.167	0.00	1.32	13.075	O	|	|	|	|	7.85	151.333	0.00	1.29	12.518	O	|	|	|	|	7.58
146.250	0.00	1.32	13.066	O	|	|	|	|	7.85	151.417	0.00	1.29	12.509	O	|	|	|	|	7.58
146.333	0.00	1.32	13.057	O	|	|	|	|	7.84	151.500	0.00	1.29	12.501	O	|	|	|	|	7.57
146.417	0.00	1.32	13.048	O	|	|	|	|	7.84	151.583	0.00	1.29	12.492	O	|	|	|	|	7.57
146.500	0.00	1.32	13.039	O	|	|	|	|	7.83	151.667	0.00	1.29	12.483	O	|	|	|	|	7.57
146.583	0.00	1.31	13.030	O	|	|	|	|	7.83	151.750	0.00	1.29	12.474	O	|	|	|	|	7.56
146.667	0.00	1.31	13.021	O	|	|	|	|	7.83	151.833	0.00	1.29	12.465	O	|	|	|	|	7.56
146.750	0.00	1.31	13.012	O	|	|	|	|	7.82	151.917	0.00	1.29	12.456	O	|	|	|	|	7.55
146.833	0.00	1.31	13.003	O	|	|	|	|	7.82	152.000	0.00	1.29	12.447	O	|	|	|	|	7.55
146.917	0.00	1.31	12.994	O	|	|	|	|	7.81	152.083	0.00	1.29	12.438	O	|	|	|	|	7.54
147.000	0.00	1.31	12.985	O	|	|	|	|	7.81	152.167	0.00	1.29	12.429	O	|	|	|	|	7.54
147.083	0.00	1.31	12.976	O	|	|	|	|	7.80	152.250	0.00	1.29	12.421	O	|	|	|	|	7.54
147.167	0.00	1.31	12.967	O	|	|	|	|	7.80	152.333	0.00	1.29	12.412	O	|	|	|	|	7.53
147.250	0.00	1.31	12.958	O	|	|	|	|	7.80	152.417	0.00	1.29	12.403	O	|	|	|	|	7.53
147.333	0.00	1.31	12.949	O	|	|	|	|	7.79	152.500	0.00	1.29	12.394	O	|	|	|	|	7.52
147.417	0.00	1.31	12.940	O	|	|	|	|	7.79	152.583	0.00	1.29	12.385	O	|	|	|	|	7.52
147.500	0.00	1.31	12.931	O	|	|	|	|	7.78	152.667	0.00	1.29	12.376	O	|	|	|	|	7.51
147.583	0.00	1.31	12.922	O	|	|	|	|	7.78	152.750	0.00	1.29	12.367	O	|	|	|	|	7.51
147.667	0.00	1.31	12.913	O	|	|	|	|	7.77	152.833	0.00	1.29	12.359	O	|	|	|	|	7.51

152.917	0.00	1.29	12.350	O	|	|	|	|	7.50	158.083	0.00	1.26	11.806	O	|	|	|	|	7.24
153.000	0.00	1.28	12.341	O	|	|	|	|	7.50	158.167	0.00	1.26	11.797	O	|	|	|	|	7.24
153.083	0.00	1.28	12.332	O	|	|	|	|	7.49	158.250	0.00	1.26	11.789	O	|	|	|	|	7.23
153.167	0.00	1.28	12.323	O	|	|	|	|	7.49	158.333	0.00	1.26	11.780	O	|	|	|	|	7.23
153.250	0.00	1.28	12.314	O	|	|	|	|	7.48	158.417	0.00	1.26	11.771	O	|	|	|	|	7.22
153.333	0.00	1.28	12.305	O	|	|	|	|	7.48	158.500	0.00	1.26	11.763	O	|	|	|	|	7.22
153.417	0.00	1.28	12.297	O	|	|	|	|	7.48	158.583	0.00	1.26	11.754	O	|	|	|	|	7.21
153.500	0.00	1.28	12.288	O	|	|	|	|	7.47	158.667	0.00	1.26	11.745	O	|	|	|	|	7.21
153.583	0.00	1.28	12.279	O	|	|	|	|	7.47	158.750	0.00	1.26	11.737	O	|	|	|	|	7.21
153.667	0.00	1.28	12.270	O	|	|	|	|	7.46	158.833	0.00	1.26	11.728	O	|	|	|	|	7.20
153.750	0.00	1.28	12.261	O	|	|	|	|	7.46	158.917	0.00	1.26	11.719	O	|	|	|	|	7.20
153.833	0.00	1.28	12.252	O	|	|	|	|	7.46	159.000	0.00	1.26	11.711	O	|	|	|	|	7.19
153.917	0.00	1.28	12.244	O	|	|	|	|	7.45	159.083	0.00	1.26	11.702	O	|	|	|	|	7.19
154.000	0.00	1.28	12.235	O	|	|	|	|	7.45	159.167	0.00	1.26	11.693	O	|	|	|	|	7.19
154.083	0.00	1.28	12.226	O	|	|	|	|	7.44	159.250	0.00	1.26	11.685	O	|	|	|	|	7.18
154.167	0.00	1.28	12.217	O	|	|	|	|	7.44	159.333	0.00	1.26	11.676	O	|	|	|	|	7.18
154.250	0.00	1.28	12.208	O	|	|	|	|	7.43	159.417	0.00	1.26	11.667	O	|	|	|	|	7.17
154.333	0.00	1.28	12.200	O	|	|	|	|	7.43	159.500	0.00	1.26	11.659	O	|	|	|	|	7.17
154.417	0.00	1.28	12.191	O	|	|	|	|	7.43	159.583	0.00	1.25	11.650	O	|	|	|	|	7.16
154.500	0.00	1.28	12.182	O	|	|	|	|	7.42	159.667	0.00	1.25	11.641	O	|	|	|	|	7.16
154.583	0.00	1.28	12.173	O	|	|	|	|	7.42	159.750	0.00	1.25	11.633	O	|	|	|	|	7.16
154.667	0.00	1.28	12.164	O	|	|	|	|	7.41	159.833	0.00	1.25	11.624	O	|	|	|	|	7.15
154.750	0.00	1.28	12.156	O	|	|	|	|	7.41	159.917	0.00	1.25	11.615	O	|	|	|	|	7.15
154.833	0.00	1.28	12.147	O	|	|	|	|	7.40	160.000	0.00	1.25	11.607	O	|	|	|	|	7.14
154.917	0.00	1.28	12.138	O	|	|	|	|	7.40	160.083	0.00	1.25	11.598	O	|	|	|	|	7.14
155.000	0.00	1.28	12.129	O	|	|	|	|	7.40	160.167	0.00	1.25	11.590	O	|	|	|	|	7.14
155.083	0.00	1.28	12.120	O	|	|	|	|	7.39	160.250	0.00	1.25	11.581	O	|	|	|	|	7.13
155.167	0.00	1.27	12.112	O	|	|	|	|	7.39	160.333	0.00	1.25	11.572	O	|	|	|	|	7.13
155.250	0.00	1.27	12.103	O	|	|	|	|	7.38	160.417	0.00	1.25	11.564	O	|	|	|	|	7.12
155.333	0.00	1.27	12.094	O	|	|	|	|	7.38	160.500	0.00	1.25	11.555	O	|	|	|	|	7.12
155.417	0.00	1.27	12.085	O	|	|	|	|	7.37	160.583	0.00	1.25	11.546	O	|	|	|	|	7.11
155.500	0.00	1.27	12.077	O	|	|	|	|	7.37	160.667	0.00	1.25	11.538	O	|	|	|	|	7.11
155.583	0.00	1.27	12.068	O	|	|	|	|	7.37	160.750	0.00	1.25	11.529	O	|	|	|	|	7.11
155.667	0.00	1.27	12.059	O	|	|	|	|	7.36	160.833	0.00	1.25	11.521	O	|	|	|	|	7.10
155.750	0.00	1.27	12.050	O	|	|	|	|	7.36	160.917	0.00	1.25	11.512	O	|	|	|	|	7.10
155.833	0.00	1.27	12.042	O	|	|	|	|	7.35	161.000	0.00	1.25	11.503	O	|	|	|	|	7.09
155.917	0.00	1.27	12.033	O	|	|	|	|	7.35	161.083	0.00	1.25	11.495	O	|	|	|	|	7.09
156.000	0.00	1.27	12.024	O	|	|	|	|	7.34	161.167	0.00	1.25	11.486	O	|	|	|	|	7.09
156.083	0.00	1.27	12.015	O	|	|	|	|	7.34	161.250	0.00	1.25	11.478	O	|	|	|	|	7.08
156.167	0.00	1.27	12.007	O	|	|	|	|	7.34	161.333	0.00	1.25	11.469	O	|	|	|	|	7.08
156.250	0.00	1.27	11.998	O	|	|	|	|	7.33	161.417	0.00	1.25	11.461	O	|	|	|	|	7.07
156.333	0.00	1.27	11.989	O	|	|	|	|	7.33	161.500	0.00	1.25	11.452	O	|	|	|	|	7.07
156.417	0.00	1.27	11.980	O	|	|	|	|	7.32	161.583	0.00	1.25	11.443	O	|	|	|	|	7.06
156.500	0.00	1.27	11.972	O	|	|	|	|	7.32	161.667	0.00	1.25	11.435	O	|	|	|	|	7.06
156.583	0.00	1.27	11.963	O	|	|	|	|	7.32	161.750	0.00	1.25	11.426	O	|	|	|	|	7.06
156.667	0.00	1.27	11.954	O	|	|	|	|	7.31	161.833	0.00	1.24	11.418	O	|	|	|	|	7.05
156.750	0.00	1.27	11.945	O	|	|	|	|	7.31	161.917	0.00	1.24	11.409	O	|	|	|	|	7.05
156.833	0.00	1.27	11.937	O	|	|	|	|	7.30	162.000	0.00	1.24	11.400	O	|	|	|	|	7.04
156.917	0.00	1.27	11.928	O	|	|	|	|	7.30	162.083	0.00	1.24	11.392	O	|	|	|	|	7.04
157.000	0.00	1.27	11.919	O	|	|	|	|	7.29	162.167	0.00	1.24	11.383	O	|	|	|	|	7.04
157.083	0.00	1.27	11.910	O	|	|	|	|	7.29	162.250	0.00	1.24	11.375	O	|	|	|	|	7.03
157.167	0.00	1.27	11.902	O	|	|	|	|	7.29	162.333	0.00	1.24	11.366	O	|	|	|	|	7.03
157.250	0.00	1.27	11.893	O	|	|	|	|	7.28	162.417	0.00	1.24	11.358	O	|	|	|	|	7.02
157.333	0.00	1.26	11.884	O	|	|	|	|	7.28	162.500	0.00	1.24	11.349	O	|	|	|	|	7.02
157.417	0.00	1.26	11.876	O	|	|	|	|	7.27	162.583	0.00	1.24	11.341	O	|	|	|	|	7.01
157.500	0.00	1.26	11.867	O	|	|	|	|	7.27	162.667	0.00	1.24	11.332	O	|	|	|	|	7.01
157.583	0.00	1.26	11.858	O	|	|	|	|	7.26	162.750	0.00	1.24	11.323	O	|	|	|	|	7.01
157.667	0.00	1.26	11.849	O	|	|	|	|	7.26	162.833	0.00	1.24	11.315	O	|	|	|	|	7.00
157.750	0.00	1.26	11.841	O	|	|	|	|	7.26	162.917	0.00	1.24	11.306	O	|	|	|	|	7.00
157.833	0.00	1.26	11.832	O	|	|	|	|	7.25	163.000	0.00	1.24	11.298	O	|	|	|	|	6.99
157.917	0.00	1.26	11.823	O	|	|	|	|	7.25	163.083	0.00	1.24	11.289	O	|	|	|	|	6.99
158.000	0.00	1.26	11.815	O	|	|	|	|	7.24	163.167	0.00	1.24	11.281	O	|	|	|	|	6.99

163.250	0.00	1.24	11.272	O	|	|	|	|	6.98	168.417	0.00	1.21	10.749	O	|	|	|	|	6.71
163.333	0.00	1.24	11.264	O	|	|	|	|	6.98	168.500	0.00	1.21	10.740	O	|	|	|	|	6.71
163.417	0.00	1.24	11.255	O	|	|	|	|	6.97	168.583	0.00	1.21	10.732	O	|	|	|	|	6.70
163.500	0.00	1.24	11.247	O	|	|	|	|	6.97	168.667	0.00	1.21	10.724	O	|	|	|	|	6.70
163.583	0.00	1.24	11.238	O	|	|	|	|	6.96	168.750	0.00	1.21	10.715	O	|	|	|	|	6.70
163.667	0.00	1.24	11.230	O	|	|	|	|	6.96	168.833	0.00	1.21	10.707	O	|	|	|	|	6.69
163.750	0.00	1.24	11.221	O	|	|	|	|	6.95	168.917	0.00	1.21	10.699	O	|	|	|	|	6.69
163.833	0.00	1.24	11.213	O	|	|	|	|	6.95	169.000	0.00	1.21	10.690	O	|	|	|	|	6.68
163.917	0.00	1.24	11.204	O	|	|	|	|	6.95	169.083	0.00	1.21	10.682	O	|	|	|	|	6.68
164.000	0.00	1.23	11.196	O	|	|	|	|	6.94	169.167	0.00	1.21	10.674	O	|	|	|	|	6.67
164.083	0.00	1.23	11.187	O	|	|	|	|	6.94	169.250	0.00	1.21	10.665	O	|	|	|	|	6.67
164.167	0.00	1.23	11.179	O	|	|	|	|	6.93	169.333	0.00	1.21	10.657	O	|	|	|	|	6.67
164.250	0.00	1.23	11.170	O	|	|	|	|	6.93	169.417	0.00	1.21	10.649	O	|	|	|	|	6.66
164.333	0.00	1.23	11.162	O	|	|	|	|	6.92	169.500	0.00	1.21	10.640	O	|	|	|	|	6.66
164.417	0.00	1.23	11.153	O	|	|	|	|	6.92	169.583	0.00	1.21	10.632	O	|	|	|	|	6.65
164.500	0.00	1.23	11.145	O	|	|	|	|	6.92	169.667	0.00	1.21	10.624	O	|	|	|	|	6.65
164.583	0.00	1.23	11.136	O	|	|	|	|	6.91	169.750	0.00	1.21	10.615	O	|	|	|	|	6.64
164.667	0.00	1.23	11.128	O	|	|	|	|	6.91	169.833	0.00	1.21	10.607	O	|	|	|	|	6.64
164.750	0.00	1.23	11.119	O	|	|	|	|	6.90	169.917	0.00	1.21	10.599	O	|	|	|	|	6.64
164.833	0.00	1.23	11.111	O	|	|	|	|	6.90	170.000	0.00	1.21	10.590	O	|	|	|	|	6.63
164.917	0.00	1.23	11.102	O	|	|	|	|	6.89	170.083	0.00	1.21	10.582	O	|	|	|	|	6.63
165.000	0.00	1.23	11.094	O	|	|	|	|	6.89	170.167	0.00	1.21	10.574	O	|	|	|	|	6.62
165.083	0.00	1.23	11.085	O	|	|	|	|	6.88	170.250	0.00	1.21	10.565	O	|	|	|	|	6.62
165.167	0.00	1.23	11.077	O	|	|	|	|	6.88	170.333	0.00	1.21	10.557	O	|	|	|	|	6.61
165.250	0.00	1.23	11.068	O	|	|	|	|	6.88	170.417	0.00	1.20	10.549	O	|	|	|	|	6.61
165.333	0.00	1.23	11.060	O	|	|	|	|	6.87	170.500	0.00	1.20	10.540	O	|	|	|	|	6.61
165.417	0.00	1.23	11.051	O	|	|	|	|	6.87	170.583	0.00	1.20	10.532	O	|	|	|	|	6.60
165.500	0.00	1.23	11.043	O	|	|	|	|	6.86	170.667	0.00	1.20	10.524	O	|	|	|	|	6.60
165.583	0.00	1.23	11.035	O	|	|	|	|	6.86	170.750	0.00	1.20	10.516	O	|	|	|	|	6.59
165.667	0.00	1.23	11.026	O	|	|	|	|	6.85	170.833	0.00	1.20	10.507	O	|	|	|	|	6.59
165.750	0.00	1.23	11.018	O	|	|	|	|	6.85	170.917	0.00	1.20	10.499	O	|	|	|	|	6.58
165.833	0.00	1.23	11.009	O	|	|	|	|	6.85	171.000	0.00	1.20	10.491	O	|	|	|	|	6.58
165.917	0.00	1.23	11.001	O	|	|	|	|	6.84	171.083	0.00	1.20	10.482	O	|	|	|	|	6.58
166.000	0.00	1.23	10.992	O	|	|	|	|	6.84	171.167	0.00	1.20	10.474	O	|	|	|	|	6.57
166.083	0.00	1.22	10.984	O	|	|	|	|	6.83	171.250	0.00	1.20	10.466	O	|	|	|	|	6.57
166.167	0.00	1.22	10.975	O	|	|	|	|	6.83	171.333	0.00	1.20	10.458	O	|	|	|	|	6.56
166.250	0.00	1.22	10.967	O	|	|	|	|	6.82	171.417	0.00	1.20	10.449	O	|	|	|	|	6.56
166.333	0.00	1.22	10.959	O	|	|	|	|	6.82	171.500	0.00	1.20	10.441	O	|	|	|	|	6.55
166.417	0.00	1.22	10.950	O	|	|	|	|	6.82	171.583	0.00	1.20	10.433	O	|	|	|	|	6.55
166.500	0.00	1.22	10.942	O	|	|	|	|	6.81	171.667	0.00	1.20	10.425	O	|	|	|	|	6.55
166.583	0.00	1.22	10.933	O	|	|	|	|	6.81	171.750	0.00	1.20	10.416	O	|	|	|	|	6.54
166.667	0.00	1.22	10.925	O	|	|	|	|	6.80	171.833	0.00	1.20	10.408	O	|	|	|	|	6.54
166.750	0.00	1.22	10.916	O	|	|	|	|	6.80	171.917	0.00	1.20	10.400	O	|	|	|	|	6.53
166.833	0.00	1.22	10.908	O	|	|	|	|	6.79	172.000	0.00	1.20	10.392	O	|	|	|	|	6.53
166.917	0.00	1.22	10.900	O	|	|	|	|	6.79	172.083	0.00	1.20	10.383	O	|	|	|	|	6.53
167.000	0.00	1.22	10.891	O	|	|	|	|	6.79	172.167	0.00	1.20	10.375	O	|	|	|	|	6.52
167.083	0.00	1.22	10.883	O	|	|	|	|	6.78	172.250	0.00	1.20	10.367	O	|	|	|	|	6.52
167.167	0.00	1.22	10.874	O	|	|	|	|	6.78	172.333	0.00	1.20	10.359	O	|	|	|	|	6.51
167.250	0.00	1.22	10.866	O	|	|	|	|	6.77	172.417	0.00	1.20	10.350	O	|	|	|	|	6.51
167.333	0.00	1.22	10.858	O	|	|	|	|	6.77	172.500	0.00	1.20	10.342	O	|	|	|	|	6.50
167.417	0.00	1.22	10.849	O	|	|	|	|	6.76	172.583	0.00	1.19	10.334	O	|	|	|	|	6.50
167.500	0.00	1.22	10.841	O	|	|	|	|	6.76	172.667	0.00	1.19	10.326	O	|	|	|	|	6.50
167.583	0.00	1.22	10.832	O	|	|	|	|	6.76	172.750	0.00	1.19	10.317	O	|	|	|	|	6.49
167.667	0.00	1.22	10.824	O	|	|	|	|	6.75	172.833	0.00	1.19	10.309	O	|	|	|	|	6.49
167.750	0.00	1.22	10.816	O	|	|	|	|	6.75	172.917	0.00	1.19	10.301	O	|	|	|	|	6.48
167.833	0.00	1.22	10.807	O	|	|	|	|	6.74	173.000	0.00	1.19	10.293	O	|	|	|	|	6.48
167.917	0.00	1.22	10.799	O	|	|	|	|	6.74	173.083	0.00	1.19	10.285	O	|	|	|	|	6.47
168.000	0.00	1.22	10.791	O	|	|	|	|	6.73	173.167	0.00	1.19	10.276	O	|	|	|	|	6.47
168.083	0.00	1.22	10.782	O	|	|	|	|	6.73	173.250	0.00	1.19	10.268	O	|	|	|	|	6.47
168.167	0.00	1.22	10.774	O	|	|	|	|	6.73	173.333	0.00	1.19	10.260	O	|	|	|	|	6.46
168.250	0.00	1.21	10.765	O	|	|	|	|	6.72	173.417	0.00	1.19	10.252	O	|	|	|	|	6.46
168.333	0.00	1.21	10.757	O	|	|	|	|	6.72	173.500	0.00	1.19	10.244	O	|	|	|	|	6.45

173.583	0.00	1.19	10.235	O					6.45	178.750	0.00	1.17	9.732	O					6.19
173.667	0.00	1.19	10.227	O					6.45	178.833	0.00	1.17	9.724	O					6.19
173.750	0.00	1.19	10.219	O					6.44	178.917	0.00	1.17	9.716	O					6.18
173.833	0.00	1.19	10.211	O					6.44	179.000	0.00	1.17	9.708	O					6.18
173.917	0.00	1.19	10.203	O					6.43	179.083	0.00	1.17	9.700	O					6.18
174.000	0.00	1.19	10.194	O					6.43	179.167	0.00	1.17	9.692	O					6.17
174.083	0.00	1.19	10.186	O					6.42	179.250	0.00	1.17	9.684	O					6.17
174.167	0.00	1.19	10.178	O					6.42	179.333	0.00	1.16	9.676	O					6.16
174.250	0.00	1.19	10.170	O					6.42	179.417	0.00	1.16	9.668	O					6.16
174.333	0.00	1.19	10.162	O					6.41	179.500	0.00	1.16	9.660	O					6.15
174.417	0.00	1.19	10.153	O					6.41	179.583	0.00	1.16	9.652	O					6.15
174.500	0.00	1.19	10.145	O					6.40	179.667	0.00	1.16	9.644	O					6.15
174.583	0.00	1.19	10.137	O					6.40	179.750	0.00	1.16	9.636	O					6.14
174.667	0.00	1.19	10.129	O					6.39	179.833	0.00	1.16	9.628	O					6.14
174.750	0.00	1.19	10.121	O					6.39	179.917	0.00	1.16	9.620	O					6.13
174.833	0.00	1.18	10.113	O					6.39	180.000	0.00	1.16	9.612	O					6.13
174.917	0.00	1.18	10.105	O					6.38	180.083	0.00	1.16	9.604	O					6.13
175.000	0.00	1.18	10.096	O					6.38	180.167	0.00	1.16	9.596	O					6.12
175.083	0.00	1.18	10.088	O					6.37	180.250	0.00	1.16	9.588	O					6.12
175.167	0.00	1.18	10.080	O					6.37	180.333	0.00	1.16	9.580	O					6.11
175.250	0.00	1.18	10.072	O					6.37	180.417	0.00	1.16	9.572	O					6.11
175.333	0.00	1.18	10.064	O					6.36	180.500	0.00	1.16	9.564	O					6.11
175.417	0.00	1.18	10.056	O					6.36	180.583	0.00	1.16	9.556	O					6.10
175.500	0.00	1.18	10.047	O					6.35	180.667	0.00	1.16	9.548	O					6.10
175.583	0.00	1.18	10.039	O					6.35	180.750	0.00	1.16	9.540	O					6.09
175.667	0.00	1.18	10.031	O					6.34	180.833	0.00	1.16	9.532	O					6.09
175.750	0.00	1.18	10.023	O					6.34	180.917	0.00	1.16	9.524	O					6.08
175.833	0.00	1.18	10.015	O					6.34	181.000	0.00	1.16	9.516	O					6.08
175.917	0.00	1.18	10.007	O					6.33	181.083	0.00	1.16	9.508	O					6.08
176.000	0.00	1.18	9.999	O					6.33	181.167	0.00	1.16	9.500	O					6.07
176.083	0.00	1.18	9.991	O					6.32	181.250	0.00	1.16	9.492	O					6.07
176.167	0.00	1.18	9.982	O					6.32	181.333	0.00	1.16	9.484	O					6.06
176.250	0.00	1.18	9.974	O					6.32	181.417	0.00	1.16	9.476	O					6.06
176.333	0.00	1.18	9.966	O					6.31	181.500	0.00	1.16	9.468	O					6.06
176.417	0.00	1.18	9.958	O					6.31	181.583	0.00	1.15	9.460	O					6.05
176.500	0.00	1.18	9.950	O					6.30	181.667	0.00	1.15	9.452	O					6.05
176.583	0.00	1.18	9.942	O					6.30	181.750	0.00	1.15	9.444	O					6.04
176.667	0.00	1.18	9.934	O					6.29	181.833	0.00	1.15	9.436	O					6.04
176.750	0.00	1.18	9.926	O					6.29	181.917	0.00	1.15	9.428	O					6.04
176.833	0.00	1.18	9.918	O					6.29	182.000	0.00	1.15	9.420	O					6.03
176.917	0.00	1.18	9.909	O					6.28	182.083	0.00	1.15	9.412	O					6.03
177.000	0.00	1.18	9.901	O					6.28	182.167	0.00	1.15	9.405	O					6.02
177.083	0.00	1.17	9.893	O					6.27	182.250	0.00	1.15	9.397	O					6.02
177.167	0.00	1.17	9.885	O					6.27	182.333	0.00	1.15	9.389	O					6.02
177.250	0.00	1.17	9.877	O					6.27	182.417	0.00	1.15	9.381	O					6.01
177.333	0.00	1.17	9.869	O					6.26	182.500	0.00	1.15	9.373	O					6.01
177.417	0.00	1.17	9.861	O					6.26	182.583	0.00	1.15	9.365	O					6.00
177.500	0.00	1.17	9.853	O					6.25	182.667	0.00	1.15	9.357	O					6.00
177.583	0.00	1.17	9.845	O					6.25	182.750	0.00	1.15	9.349	O					6.00
177.667	0.00	1.17	9.837	O					6.25	182.833	0.00	1.15	9.341	O					5.99
177.750	0.00	1.17	9.829	O					6.24	182.917	0.00	1.15	9.333	O					5.99
177.833	0.00	1.17	9.821	O					6.24	183.000	0.00	1.15	9.325	O					5.98
177.917	0.00	1.17	9.813	O					6.23	183.083	0.00	1.15	9.317	O					5.98
178.000	0.00	1.17	9.804	O					6.23	183.167	0.00	1.15	9.310	O					5.97
178.083	0.00	1.17	9.796	O					6.22	183.250	0.00	1.15	9.302	O					5.97
178.167	0.00	1.17	9.788	O					6.22	183.333	0.00	1.15	9.294	O					5.96
178.250	0.00	1.17	9.780	O					6.22	183.417	0.00	1.15	9.286	O					5.96
178.333	0.00	1.17	9.772	O					6.21	183.500	0.00	1.15	9.278	O					5.96
178.417	0.00	1.17	9.764	O					6.21	183.583	0.00	1.14	9.270	O					5.95
178.500	0.00	1.17	9.756	O					6.20	183.667	0.00	1.14	9.262	O					5.95
178.583	0.00	1.17	9.748	O					6.20	183.750	0.00	1.14	9.254	O					5.94
178.667	0.00	1.17	9.740	O					6.20	183.833	0.00	1.14	9.246	O					5.94

183.917	0.00	1.14	9.239	O	|	|	|	|	5.93	189.083	0.00	1.11	8.757	O	|	|	|	|	5.67
184.000	0.00	1.14	9.231	O	|	|	|	|	5.93	189.167	0.00	1.11	8.749	O	|	|	|	|	5.67
184.083	0.00	1.14	9.223	O	|	|	|	|	5.93	189.250	0.00	1.11	8.741	O	|	|	|	|	5.66
184.167	0.00	1.14	9.215	O	|	|	|	|	5.92	189.333	0.00	1.11	8.734	O	|	|	|	|	5.66
184.250	0.00	1.14	9.207	O	|	|	|	|	5.92	189.417	0.00	1.11	8.726	O	|	|	|	|	5.66
184.333	0.00	1.14	9.199	O	|	|	|	|	5.91	189.500	0.00	1.11	8.718	O	|	|	|	|	5.65
184.417	0.00	1.14	9.191	O	|	|	|	|	5.91	189.583	0.00	1.11	8.711	O	|	|	|	|	5.65
184.500	0.00	1.14	9.184	O	|	|	|	|	5.90	189.667	0.00	1.11	8.703	O	|	|	|	|	5.64
184.583	0.00	1.14	9.176	O	|	|	|	|	5.90	189.750	0.00	1.11	8.695	O	|	|	|	|	5.64
184.667	0.00	1.14	9.168	O	|	|	|	|	5.90	189.833	0.00	1.11	8.688	O	|	|	|	|	5.63
184.750	0.00	1.14	9.160	O	|	|	|	|	5.89	189.917	0.00	1.11	8.680	O	|	|	|	|	5.63
184.833	0.00	1.14	9.152	O	|	|	|	|	5.89	190.000	0.00	1.11	8.673	O	|	|	|	|	5.63
184.917	0.00	1.14	9.144	O	|	|	|	|	5.88	190.083	0.00	1.11	8.665	O	|	|	|	|	5.62
185.000	0.00	1.14	9.137	O	|	|	|	|	5.88	190.167	0.00	1.11	8.657	O	|	|	|	|	5.62
185.083	0.00	1.14	9.129	O	|	|	|	|	5.88	190.250	0.00	1.11	8.650	O	|	|	|	|	5.61
185.167	0.00	1.14	9.121	O	|	|	|	|	5.87	190.333	0.00	1.11	8.642	O	|	|	|	|	5.61
185.250	0.00	1.14	9.113	O	|	|	|	|	5.87	190.417	0.00	1.11	8.634	O	|	|	|	|	5.61
185.333	0.00	1.13	9.105	O	|	|	|	|	5.86	190.500	0.00	1.11	8.627	O	|	|	|	|	5.60
185.417	0.00	1.13	9.097	O	|	|	|	|	5.86	190.583	0.00	1.11	8.619	O	|	|	|	|	5.60
185.500	0.00	1.13	9.090	O	|	|	|	|	5.85	190.667	0.00	1.11	8.612	O	|	|	|	|	5.59
185.583	0.00	1.13	9.082	O	|	|	|	|	5.85	190.750	0.00	1.10	8.604	O	|	|	|	|	5.59
185.667	0.00	1.13	9.074	O	|	|	|	|	5.85	190.833	0.00	1.10	8.596	O	|	|	|	|	5.59
185.750	0.00	1.13	9.066	O	|	|	|	|	5.84	190.917	0.00	1.10	8.589	O	|	|	|	|	5.58
185.833	0.00	1.13	9.058	O	|	|	|	|	5.84	191.000	0.00	1.10	8.581	O	|	|	|	|	5.58
185.917	0.00	1.13	9.051	O	|	|	|	|	5.83	191.083	0.00	1.10	8.574	O	|	|	|	|	5.57
186.000	0.00	1.13	9.043	O	|	|	|	|	5.83	191.167	0.00	1.10	8.566	O	|	|	|	|	5.57
186.083	0.00	1.13	9.035	O	|	|	|	|	5.82	191.250	0.00	1.10	8.558	O	|	|	|	|	5.56
186.167	0.00	1.13	9.027	O	|	|	|	|	5.82	191.333	0.00	1.10	8.551	O	|	|	|	|	5.56
186.250	0.00	1.13	9.019	O	|	|	|	|	5.82	191.417	0.00	1.10	8.543	O	|	|	|	|	5.56
186.333	0.00	1.13	9.012	O	|	|	|	|	5.81	191.500	0.00	1.10	8.536	O	|	|	|	|	5.55
186.417	0.00	1.13	9.004	O	|	|	|	|	5.81	191.583	0.00	1.10	8.528	O	|	|	|	|	5.55
186.500	0.00	1.13	8.996	O	|	|	|	|	5.80	191.667	0.00	1.10	8.520	O	|	|	|	|	5.54
186.583	0.00	1.13	8.988	O	|	|	|	|	5.80	191.750	0.00	1.10	8.513	O	|	|	|	|	5.54
186.667	0.00	1.13	8.981	O	|	|	|	|	5.79	191.833	0.00	1.10	8.505	O	|	|	|	|	5.54
186.750	0.00	1.13	8.973	O	|	|	|	|	5.79	191.917	0.00	1.10	8.498	O	|	|	|	|	5.53
186.833	0.00	1.13	8.965	O	|	|	|	|	5.79	192.000	0.00	1.10	8.490	O	|	|	|	|	5.53
186.917	0.00	1.13	8.957	O	|	|	|	|	5.78	192.083	0.00	1.10	8.483	O	|	|	|	|	5.52
187.000	0.00	1.13	8.950	O	|	|	|	|	5.78	192.167	0.00	1.10	8.475	O	|	|	|	|	5.52
187.083	0.00	1.13	8.942	O	|	|	|	|	5.77	192.250	0.00	1.10	8.467	O	|	|	|	|	5.51
187.167	0.00	1.12	8.934	O	|	|	|	|	5.77	192.333	0.00	1.10	8.460	O	|	|	|	|	5.51
187.250	0.00	1.12	8.926	O	|	|	|	|	5.76	192.417	0.00	1.10	8.452	O	|	|	|	|	5.51
187.333	0.00	1.12	8.919	O	|	|	|	|	5.76	192.500	0.00	1.10	8.445	O	|	|	|	|	5.50
187.417	0.00	1.12	8.911	O	|	|	|	|	5.76	192.583	0.00	1.09	8.437	O	|	|	|	|	5.50
187.500	0.00	1.12	8.903	O	|	|	|	|	5.75	192.667	0.00	1.09	8.430	O	|	|	|	|	5.49
187.583	0.00	1.12	8.895	O	|	|	|	|	5.75	192.750	0.00	1.09	8.422	O	|	|	|	|	5.49
187.667	0.00	1.12	8.888	O	|	|	|	|	5.74	192.833	0.00	1.09	8.415	O	|	|	|	|	5.49
187.750	0.00	1.12	8.880	O	|	|	|	|	5.74	192.917	0.00	1.09	8.407	O	|	|	|	|	5.48
187.833	0.00	1.12	8.872	O	|	|	|	|	5.74	193.000	0.00	1.09	8.400	O	|	|	|	|	5.48
187.917	0.00	1.12	8.864	O	|	|	|	|	5.73	193.083	0.00	1.09	8.392	O	|	|	|	|	5.47
188.000	0.00	1.12	8.857	O	|	|	|	|	5.73	193.167	0.00	1.09	8.385	O	|	|	|	|	5.47
188.083	0.00	1.12	8.849	O	|	|	|	|	5.72	193.250	0.00	1.09	8.377	O	|	|	|	|	5.47
188.167	0.00	1.12	8.841	O	|	|	|	|	5.72	193.333	0.00	1.09	8.370	O	|	|	|	|	5.46
188.250	0.00	1.12	8.834	O	|	|	|	|	5.71	193.417	0.00	1.09	8.362	O	|	|	|	|	5.46
188.333	0.00	1.12	8.826	O	|	|	|	|	5.71	193.500	0.00	1.09	8.355	O	|	|	|	|	5.45
188.417	0.00	1.12	8.818	O	|	|	|	|	5.71	193.583	0.00	1.09	8.347	O	|	|	|	|	5.45
188.500	0.00	1.12	8.811	O	|	|	|	|	5.70	193.667	0.00	1.09	8.340	O	|	|	|	|	5.45
188.583	0.00	1.12	8.803	O	|	|	|	|	5.70	193.750	0.00	1.09	8.332	O	|	|	|	|	5.44
188.667	0.00	1.12	8.795	O	|	|	|	|	5.69	193.833	0.00	1.09	8.325	O	|	|	|	|	5.44
188.750	0.00	1.12	8.787	O	|	|	|	|	5.69	193.917	0.00	1.09	8.317	O	|	|	|	|	5.43
188.833	0.00	1.12	8.780	O	|	|	|	|	5.69	194.000	0.00	1.09	8.310	O	|	|	|	|	5.43
188.917	0.00	1.11	8.772	O	|	|	|	|	5.68	194.083	0.00	1.09	8.302	O	|	|	|	|	5.42
189.000	0.00	1.11	8.764	O	|	|	|	|	5.68	194.167	0.00	1.09	8.295	O	|	|	|	|	5.42

194.250	0.00	1.09	8.287	O					5.42	199.417	0.00	1.06	7.829	O					5.17
194.333	0.00	1.09	8.280	O					5.41	199.500	0.00	1.06	7.822	O					5.16
194.417	0.00	1.08	8.272	O					5.41	199.583	0.00	1.06	7.815	O					5.16
194.500	0.00	1.08	8.265	O					5.40	199.667	0.00	1.06	7.807	O					5.16
194.583	0.00	1.08	8.257	O					5.40	199.750	0.00	1.06	7.800	O					5.15
194.667	0.00	1.08	8.250	O					5.40	199.833	0.00	1.06	7.793	O					5.15
194.750	0.00	1.08	8.242	O					5.39	199.917	0.00	1.06	7.786	O					5.14
194.833	0.00	1.08	8.235	O					5.39	200.000	0.00	1.06	7.778	O					5.14
194.917	0.00	1.08	8.227	O					5.38	200.083	0.00	1.05	7.771	O					5.14
195.000	0.00	1.08	8.220	O					5.38	200.167	0.00	1.05	7.764	O					5.13
195.083	0.00	1.08	8.212	O					5.38	200.250	0.00	1.05	7.757	O					5.13
195.167	0.00	1.08	8.205	O					5.37	200.333	0.00	1.05	7.749	O					5.12
195.250	0.00	1.08	8.198	O					5.37	200.417	0.00	1.05	7.742	O					5.12
195.333	0.00	1.08	8.190	O					5.36	200.500	0.00	1.05	7.735	O					5.12
195.417	0.00	1.08	8.183	O					5.36	200.583	0.00	1.05	7.728	O					5.11
195.500	0.00	1.08	8.175	O					5.36	200.667	0.00	1.05	7.720	O					5.11
195.583	0.00	1.08	8.168	O					5.35	200.750	0.00	1.05	7.713	O					5.10
195.667	0.00	1.08	8.160	O					5.35	200.833	0.00	1.05	7.706	O					5.10
195.750	0.00	1.08	8.153	O					5.34	200.917	0.00	1.05	7.699	O					5.10
195.833	0.00	1.08	8.146	O					5.34	201.000	0.00	1.05	7.691	O					5.09
195.917	0.00	1.08	8.138	O					5.34	201.083	0.00	1.05	7.684	O					5.09
196.000	0.00	1.08	8.131	O					5.33	201.167	0.00	1.05	7.677	O					5.08
196.083	0.00	1.08	8.123	O					5.33	201.250	0.00	1.05	7.670	O					5.08
196.167	0.00	1.08	8.116	O					5.32	201.333	0.00	1.05	7.662	O					5.08
196.250	0.00	1.08	8.109	O					5.32	201.417	0.00	1.05	7.655	O					5.07
196.333	0.00	1.07	8.101	O					5.32	201.500	0.00	1.05	7.648	O					5.07
196.417	0.00	1.07	8.094	O					5.31	201.583	0.00	1.05	7.641	O					5.06
196.500	0.00	1.07	8.086	O					5.31	201.667	0.00	1.05	7.634	O					5.06
196.583	0.00	1.07	8.079	O					5.30	201.750	0.00	1.05	7.626	O					5.06
196.667	0.00	1.07	8.072	O					5.30	201.833	0.00	1.05	7.619	O					5.05
196.750	0.00	1.07	8.064	O					5.30	201.917	0.00	1.05	7.612	O					5.05
196.833	0.00	1.07	8.057	O					5.29	202.000	0.00	1.04	7.605	O					5.05
196.917	0.00	1.07	8.049	O					5.29	202.083	0.00	1.04	7.598	O					5.04
197.000	0.00	1.07	8.042	O					5.28	202.167	0.00	1.04	7.590	O					5.04
197.083	0.00	1.07	8.035	O					5.28	202.250	0.00	1.04	7.583	O					5.03
197.167	0.00	1.07	8.027	O					5.28	202.333	0.00	1.04	7.576	O					5.03
197.250	0.00	1.07	8.020	O					5.27	202.417	0.00	1.04	7.569	O					5.03
197.333	0.00	1.07	8.013	O					5.27	202.500	0.00	1.04	7.562	O					5.02
197.417	0.00	1.07	8.005	O					5.26	202.583	0.00	1.04	7.555	O					5.02
197.500	0.00	1.07	7.998	O					5.26	202.667	0.00	1.04	7.547	O					5.01
197.583	0.00	1.07	7.990	O					5.26	202.750	0.00	1.04	7.540	O					5.01
197.667	0.00	1.07	7.983	O					5.25	202.833	0.00	1.04	7.533	O					5.01
197.750	0.00	1.07	7.976	O					5.25	202.917	0.00	1.04	7.526	O					5.00
197.833	0.00	1.07	7.968	O					5.24	203.000	0.00	1.04	7.519	O					5.00
197.917	0.00	1.07	7.961	O					5.24	203.083	0.00	1.04	7.512	O					4.99
198.000	0.00	1.07	7.954	O					5.24	203.167	0.00	1.04	7.504	O					4.99
198.083	0.00	1.07	7.946	O					5.23	203.250	0.00	1.04	7.497	O					4.99
198.167	0.00	1.06	7.939	O					5.23	203.333	0.00	1.04	7.490	O					4.98
198.250	0.00	1.06	7.932	O					5.22	203.417	0.00	1.04	7.483	O					4.98
198.333	0.00	1.06	7.924	O					5.22	203.500	0.00	1.04	7.476	O					4.97
198.417	0.00	1.06	7.917	O					5.22	203.583	0.00	1.04	7.469	O					4.97
198.500	0.00	1.06	7.910	O					5.21	203.667	0.00	1.04	7.461	O					4.96
198.583	0.00	1.06	7.902	O					5.21	203.750	0.00	1.04	7.454	O					4.96
198.667	0.00	1.06	7.895	O					5.20	203.833	0.00	1.03	7.447	O					4.96
198.750	0.00	1.06	7.888	O					5.20	203.917	0.00	1.03	7.440	O					4.95
198.833	0.00	1.06	7.880	O					5.20	204.000	0.00	1.03	7.433	O					4.95
198.917	0.00	1.06	7.873	O					5.19	204.083	0.00	1.03	7.426	O					4.94
199.000	0.00	1.06	7.866	O					5.19	204.167	0.00	1.03	7.419	O					4.94
199.083	0.00	1.06	7.859	O					5.18	204.250	0.00	1.03	7.412	O					4.93
199.167	0.00	1.06	7.851	O					5.18	204.333	0.00	1.03	7.405	O					4.93
199.250	0.00	1.06	7.844	O					5.18	204.417	0.00	1.03	7.397	O					4.93
199.333	0.00	1.06	7.837	O					5.17	204.500	0.00	1.03	7.390	O					4.92

204.583	0.00	1.03	7.383	O	|	|	|	|	4.92	209.750	0.00	1.00	6.950	O	|	|	|	|	4.66
204.667	0.00	1.03	7.376	O	|	|	|	|	4.91	209.833	0.00	1.00	6.943	O	|	|	|	|	4.65
204.750	0.00	1.03	7.369	O	|	|	|	|	4.91	209.917	0.00	1.00	6.936	O	|	|	|	|	4.65
204.833	0.00	1.03	7.362	O	|	|	|	|	4.90	210.000	0.00	1.00	6.930	O	|	|	|	|	4.64
204.917	0.00	1.03	7.355	O	|	|	|	|	4.90	210.083	0.00	1.00	6.923	O	|	|	|	|	4.64
205.000	0.00	1.03	7.348	O	|	|	|	|	4.90	210.167	0.00	1.00	6.916	O	|	|	|	|	4.64
205.083	0.00	1.03	7.341	O	|	|	|	|	4.89	210.250	0.00	1.00	6.909	O	|	|	|	|	4.63
205.167	0.00	1.03	7.334	O	|	|	|	|	4.89	210.333	0.00	1.00	6.902	O	|	|	|	|	4.63
205.250	0.00	1.03	7.327	O	|	|	|	|	4.88	210.417	0.00	0.99	6.895	O	|	|	|	|	4.62
205.333	0.00	1.03	7.320	O	|	|	|	|	4.88	210.500	0.00	0.99	6.888	O	|	|	|	|	4.62
205.417	0.00	1.02	7.312	O	|	|	|	|	4.87	210.583	0.00	0.99	6.882	O	|	|	|	|	4.62
205.500	0.00	1.02	7.305	O	|	|	|	|	4.87	210.667	0.00	0.99	6.875	O	|	|	|	|	4.61
205.583	0.00	1.02	7.298	O	|	|	|	|	4.87	210.750	0.00	0.99	6.868	O	|	|	|	|	4.61
205.667	0.00	1.02	7.291	O	|	|	|	|	4.86	210.833	0.00	0.99	6.861	O	|	|	|	|	4.60
205.750	0.00	1.02	7.284	O	|	|	|	|	4.86	210.917	0.00	0.99	6.854	O	|	|	|	|	4.60
205.833	0.00	1.02	7.277	O	|	|	|	|	4.85	211.000	0.00	0.99	6.847	O	|	|	|	|	4.60
205.917	0.00	1.02	7.270	O	|	|	|	|	4.85	211.083	0.00	0.99	6.841	O	|	|	|	|	4.59
206.000	0.00	1.02	7.263	O	|	|	|	|	4.84	211.167	0.00	0.99	6.834	O	|	|	|	|	4.59
206.083	0.00	1.02	7.256	O	|	|	|	|	4.84	211.250	0.00	0.99	6.827	O	|	|	|	|	4.58
206.167	0.00	1.02	7.249	O	|	|	|	|	4.84	211.333	0.00	0.99	6.820	O	|	|	|	|	4.58
206.250	0.00	1.02	7.242	O	|	|	|	|	4.83	211.417	0.00	0.99	6.813	O	|	|	|	|	4.57
206.333	0.00	1.02	7.235	O	|	|	|	|	4.83	211.500	0.00	0.99	6.806	O	|	|	|	|	4.57
206.417	0.00	1.02	7.228	O	|	|	|	|	4.82	211.583	0.00	0.99	6.800	O	|	|	|	|	4.57
206.500	0.00	1.02	7.221	O	|	|	|	|	4.82	211.667	0.00	0.99	6.793	O	|	|	|	|	4.56
206.583	0.00	1.02	7.214	O	|	|	|	|	4.82	211.750	0.00	0.99	6.786	O	|	|	|	|	4.56
206.667	0.00	1.02	7.207	O	|	|	|	|	4.81	211.833	0.00	0.99	6.779	O	|	|	|	|	4.55
206.750	0.00	1.02	7.200	O	|	|	|	|	4.81	211.917	0.00	0.99	6.772	O	|	|	|	|	4.55
206.833	0.00	1.02	7.193	O	|	|	|	|	4.80	212.000	0.00	0.99	6.766	O	|	|	|	|	4.55
206.917	0.00	1.02	7.186	O	|	|	|	|	4.80	212.083	0.00	0.99	6.759	O	|	|	|	|	4.54
207.000	0.00	1.02	7.179	O	|	|	|	|	4.79	212.167	0.00	0.98	6.752	O	|	|	|	|	4.54
207.083	0.00	1.01	7.172	O	|	|	|	|	4.79	212.250	0.00	0.98	6.745	O	|	|	|	|	4.53
207.167	0.00	1.01	7.165	O	|	|	|	|	4.79	212.333	0.00	0.98	6.739	O	|	|	|	|	4.53
207.250	0.00	1.01	7.158	O	|	|	|	|	4.78	212.417	0.00	0.98	6.732	O	|	|	|	|	4.53
207.333	0.00	1.01	7.151	O	|	|	|	|	4.78	212.500	0.00	0.98	6.725	O	|	|	|	|	4.52
207.417	0.00	1.01	7.144	O	|	|	|	|	4.77	212.583	0.00	0.98	6.718	O	|	|	|	|	4.52
207.500	0.00	1.01	7.137	O	|	|	|	|	4.77	212.667	0.00	0.98	6.711	O	|	|	|	|	4.51
207.583	0.00	1.01	7.130	O	|	|	|	|	4.76	212.750	0.00	0.98	6.705	O	|	|	|	|	4.51
207.667	0.00	1.01	7.123	O	|	|	|	|	4.76	212.833	0.00	0.98	6.698	O	|	|	|	|	4.51
207.750	0.00	1.01	7.116	O	|	|	|	|	4.76	212.917	0.00	0.98	6.691	O	|	|	|	|	4.50
207.833	0.00	1.01	7.109	O	|	|	|	|	4.75	213.000	0.00	0.98	6.684	O	|	|	|	|	4.50
207.917	0.00	1.01	7.102	O	|	|	|	|	4.75	213.083	0.00	0.98	6.678	O	|	|	|	|	4.49
208.000	0.00	1.01	7.095	O	|	|	|	|	4.74	213.167	0.00	0.98	6.671	O	|	|	|	|	4.49
208.083	0.00	1.01	7.088	O	|	|	|	|	4.74	213.250	0.00	0.98	6.664	O	|	|	|	|	4.49
208.167	0.00	1.01	7.081	O	|	|	|	|	4.74	213.333	0.00	0.98	6.657	O	|	|	|	|	4.48
208.250	0.00	1.01	7.075	O	|	|	|	|	4.73	213.417	0.00	0.98	6.651	O	|	|	|	|	4.48
208.333	0.00	1.01	7.068	O	|	|	|	|	4.73	213.500	0.00	0.98	6.644	O	|	|	|	|	4.47
208.417	0.00	1.01	7.061	O	|	|	|	|	4.72	213.583	0.00	0.98	6.637	O	|	|	|	|	4.47
208.500	0.00	1.01	7.054	O	|	|	|	|	4.72	213.667	0.00	0.98	6.631	O	|	|	|	|	4.46
208.583	0.00	1.01	7.047	O	|	|	|	|	4.71	213.750	0.00	0.98	6.624	O	|	|	|	|	4.46
208.667	0.00	1.01	7.040	O	|	|	|	|	4.71	213.833	0.00	0.97	6.617	O	|	|	|	|	4.46
208.750	0.00	1.00	7.033	O	|	|	|	|	4.71	213.917	0.00	0.97	6.610	O	|	|	|	|	4.45
208.833	0.00	1.00	7.026	O	|	|	|	|	4.70	214.000	0.00	0.97	6.604	O	|	|	|	|	4.45
208.917	0.00	1.00	7.019	O	|	|	|	|	4.70	214.083	0.00	0.97	6.597	O	|	|	|	|	4.44
209.000	0.00	1.00	7.012	O	|	|	|	|	4.69	214.167	0.00	0.97	6.590	O	|	|	|	|	4.44
209.083	0.00	1.00	7.005	O	|	|	|	|	4.69	214.250	0.00	0.97	6.584	O	|	|	|	|	4.44
209.167	0.00	1.00	6.998	O	|	|	|	|	4.69	214.333	0.00	0.97	6.577	O	|	|	|	|	4.43
209.250	0.00	1.00	6.991	O	|	|	|	|	4.68	214.417	0.00	0.97	6.570	O	|	|	|	|	4.43
209.333	0.00	1.00	6.985	O	|	|	|	|	4.68	214.500	0.00	0.97	6.564	O	|	|	|	|	4.42
209.417	0.00	1.00	6.978	O	|	|	|	|	4.67	214.583	0.00	0.97	6.557	O	|	|	|	|	4.42
209.500	0.00	1.00	6.971	O	|	|	|	|	4.67	214.667	0.00	0.97	6.550	O	|	|	|	|	4.42
209.583	0.00	1.00	6.964	O	|	|	|	|	4.67	214.750	0.00	0.97	6.543	O	|	|	|	|	4.41
209.667	0.00	1.00	6.957	O	|	|	|	|	4.66	214.833	0.00	0.97	6.537	O	|	|	|	|	4.41

214.917	0.00	0.97	6.530	O	|	|	|	|	4.40	220.083	0.00	0.94	6.123	O	|	|	|	|	4.16
215.000	0.00	0.97	6.523	O	|	|	|	|	4.40	220.167	0.00	0.94	6.116	O	|	|	|	|	4.16
215.083	0.00	0.97	6.517	O	|	|	|	|	4.40	220.250	0.00	0.94	6.110	O	|	|	|	|	4.15
215.167	0.00	0.97	6.510	O	|	|	|	|	4.39	220.333	0.00	0.94	6.103	O	|	|	|	|	4.15
215.250	0.00	0.97	6.503	O	|	|	|	|	4.39	220.417	0.00	0.94	6.097	O	|	|	|	|	4.14
215.333	0.00	0.97	6.497	O	|	|	|	|	4.38	220.500	0.00	0.94	6.091	O	|	|	|	|	4.14
215.417	0.00	0.97	6.490	O	|	|	|	|	4.38	220.583	0.00	0.94	6.084	O	|	|	|	|	4.14
215.500	0.00	0.97	6.484	O	|	|	|	|	4.38	220.667	0.00	0.94	6.078	O	|	|	|	|	4.13
215.583	0.00	0.96	6.477	O	|	|	|	|	4.37	220.750	0.00	0.94	6.071	O	|	|	|	|	4.13
215.667	0.00	0.96	6.470	O	|	|	|	|	4.37	220.833	0.00	0.94	6.065	O	|	|	|	|	4.13
215.750	0.00	0.96	6.464	O	|	|	|	|	4.36	220.917	0.00	0.93	6.058	O	|	|	|	|	4.12
215.833	0.00	0.96	6.457	O	|	|	|	|	4.36	221.000	0.00	0.93	6.052	O	|	|	|	|	4.12
215.917	0.00	0.96	6.450	O	|	|	|	|	4.36	221.083	0.00	0.93	6.045	O	|	|	|	|	4.11
216.000	0.00	0.96	6.444	O	|	|	|	|	4.35	221.167	0.00	0.93	6.039	O	|	|	|	|	4.11
216.083	0.00	0.96	6.437	O	|	|	|	|	4.35	221.250	0.00	0.93	6.033	O	|	|	|	|	4.11
216.167	0.00	0.96	6.430	O	|	|	|	|	4.34	221.333	0.00	0.93	6.026	O	|	|	|	|	4.10
216.250	0.00	0.96	6.424	O	|	|	|	|	4.34	221.417	0.00	0.93	6.020	O	|	|	|	|	4.10
216.333	0.00	0.96	6.417	O	|	|	|	|	4.34	221.500	0.00	0.93	6.013	O	|	|	|	|	4.09
216.417	0.00	0.96	6.411	O	|	|	|	|	4.33	221.583	0.00	0.93	6.007	O	|	|	|	|	4.09
216.500	0.00	0.96	6.404	O	|	|	|	|	4.33	221.667	0.00	0.93	6.001	O	|	|	|	|	4.09
216.583	0.00	0.96	6.397	O	|	|	|	|	4.32	221.750	0.00	0.93	5.994	O	|	|	|	|	4.08
216.667	0.00	0.96	6.391	O	|	|	|	|	4.32	221.833	0.00	0.93	5.988	O	|	|	|	|	4.08
216.750	0.00	0.96	6.384	O	|	|	|	|	4.32	221.917	0.00	0.93	5.981	O	|	|	|	|	4.08
216.833	0.00	0.96	6.378	O	|	|	|	|	4.31	222.000	0.00	0.93	5.975	O	|	|	|	|	4.07
216.917	0.00	0.96	6.371	O	|	|	|	|	4.31	222.083	0.00	0.93	5.969	O	|	|	|	|	4.07
217.000	0.00	0.96	6.364	O	|	|	|	|	4.31	222.167	0.00	0.93	5.962	O	|	|	|	|	4.06
217.083	0.00	0.96	6.358	O	|	|	|	|	4.30	222.250	0.00	0.93	5.956	O	|	|	|	|	4.06
217.167	0.00	0.96	6.351	O	|	|	|	|	4.30	222.333	0.00	0.93	5.949	O	|	|	|	|	4.06
217.250	0.00	0.96	6.345	O	|	|	|	|	4.29	222.417	0.00	0.93	5.943	O	|	|	|	|	4.05
217.333	0.00	0.95	6.338	O	|	|	|	|	4.29	222.500	0.00	0.93	5.937	O	|	|	|	|	4.05
217.417	0.00	0.95	6.332	O	|	|	|	|	4.29	222.583	0.00	0.93	5.930	O	|	|	|	|	4.04
217.500	0.00	0.95	6.325	O	|	|	|	|	4.28	222.667	0.00	0.92	5.924	O	|	|	|	|	4.04
217.583	0.00	0.95	6.318	O	|	|	|	|	4.28	222.750	0.00	0.92	5.918	O	|	|	|	|	4.04
217.667	0.00	0.95	6.312	O	|	|	|	|	4.27	222.833	0.00	0.92	5.911	O	|	|	|	|	4.03
217.750	0.00	0.95	6.305	O	|	|	|	|	4.27	222.917	0.00	0.92	5.905	O	|	|	|	|	4.03
217.833	0.00	0.95	6.299	O	|	|	|	|	4.27	223.000	0.00	0.92	5.898	O	|	|	|	|	4.03
217.917	0.00	0.95	6.292	O	|	|	|	|	4.26	223.083	0.00	0.92	5.892	O	|	|	|	|	4.02
218.000	0.00	0.95	6.286	O	|	|	|	|	4.26	223.167	0.00	0.92	5.886	O	|	|	|	|	4.02
218.083	0.00	0.95	6.279	O	|	|	|	|	4.25	223.250	0.00	0.92	5.879	O	|	|	|	|	4.01
218.167	0.00	0.95	6.272	O	|	|	|	|	4.25	223.333	0.00	0.92	5.873	O	|	|	|	|	4.01
218.250	0.00	0.95	6.266	O	|	|	|	|	4.25	223.417	0.00	0.92	5.867	O	|	|	|	|	4.01
218.333	0.00	0.95	6.259	O	|	|	|	|	4.24	223.500	0.00	0.92	5.860	O	|	|	|	|	4.00
218.417	0.00	0.95	6.253	O	|	|	|	|	4.24	223.583	0.00	0.92	5.854	O	|	|	|	|	4.00
218.500	0.00	0.95	6.246	O	|	|	|	|	4.23	223.667	0.00	0.92	5.848	O	|	|	|	|	3.99
218.583	0.00	0.95	6.240	O	|	|	|	|	4.23	223.750	0.00	0.92	5.841	O	|	|	|	|	3.99
218.667	0.00	0.95	6.233	O	|	|	|	|	4.23	223.833	0.00	0.92	5.835	O	|	|	|	|	3.99
218.750	0.00	0.95	6.227	O	|	|	|	|	4.22	223.917	0.00	0.92	5.829	O	|	|	|	|	3.98
218.833	0.00	0.95	6.220	O	|	|	|	|	4.22	224.000	0.00	0.92	5.822	O	|	|	|	|	3.98
218.917	0.00	0.95	6.214	O	|	|	|	|	4.21	224.083	0.00	0.92	5.816	O	|	|	|	|	3.98
219.000	0.00	0.95	6.207	O	|	|	|	|	4.21	224.167	0.00	0.92	5.810	O	|	|	|	|	3.97
219.083	0.00	0.94	6.201	O	|	|	|	|	4.21	224.250	0.00	0.92	5.803	O	|	|	|	|	3.97
219.167	0.00	0.94	6.194	O	|	|	|	|	4.20	224.333	0.00	0.92	5.797	O	|	|	|	|	3.96
219.250	0.00	0.94	6.188	O	|	|	|	|	4.20	224.417	0.00	0.92	5.791	O	|	|	|	|	3.96
219.333	0.00	0.94	6.181	O	|	|	|	|	4.20	224.500	0.00	0.91	5.785	O	|	|	|	|	3.96
219.417	0.00	0.94	6.175	O	|	|	|	|	4.19	224.583	0.00	0.91	5.778	O	|	|	|	|	3.95
219.500	0.00	0.94	6.168	O	|	|	|	|	4.19	224.667	0.00	0.91	5.772	O	|	|	|	|	3.95
219.583	0.00	0.94	6.162	O	|	|	|	|	4.18	224.750	0.00	0.91	5.766	O	|	|	|	|	3.95
219.667	0.00	0.94	6.155	O	|	|	|	|	4.18	224.833	0.00	0.91	5.759	O	|	|	|	|	3.94
219.750	0.00	0.94	6.149	O	|	|	|	|	4.18	224.917	0.00	0.91	5.753	O	|	|	|	|	3.94
219.833	0.00	0.94	6.142	O	|	|	|	|	4.17	225.000	0.00	0.91	5.747	O	|	|	|	|	3.93
219.917	0.00	0.94	6.136	O	|	|	|	|	4.17	225.083	0.00	0.91	5.740	O	|	|	|	|	3.93
220.000	0.00	0.94	6.129	O	|	|	|	|	4.16	225.167	0.00	0.91	5.734	O	|	|	|	|	3.93

225.250	0.00	0.91	5.728	O	|	|	|	|	3.92	230.417	0.00	0.88	5.345	O	|	|	|	|	3.69
225.333	0.00	0.91	5.722	O	|	|	|	|	3.92	230.500	0.00	0.88	5.339	O	|	|	|	|	3.69
225.417	0.00	0.91	5.715	O	|	|	|	|	3.92	230.583	0.00	0.88	5.333	O	|	|	|	|	3.69
225.500	0.00	0.91	5.709	O	|	|	|	|	3.91	230.667	0.00	0.88	5.327	O	|	|	|	|	3.68
225.583	0.00	0.91	5.703	O	|	|	|	|	3.91	230.750	0.00	0.88	5.321	O	|	|	|	|	3.68
225.667	0.00	0.91	5.697	O	|	|	|	|	3.90	230.833	0.00	0.88	5.315	O	|	|	|	|	3.68
225.750	0.00	0.91	5.690	O	|	|	|	|	3.90	230.917	0.00	0.88	5.309	O	|	|	|	|	3.67
225.833	0.00	0.91	5.684	O	|	|	|	|	3.90	231.000	0.00	0.88	5.302	O	|	|	|	|	3.67
225.917	0.00	0.91	5.678	O	|	|	|	|	3.89	231.083	0.00	0.88	5.296	O	|	|	|	|	3.66
226.000	0.00	0.91	5.672	O	|	|	|	|	3.89	231.167	0.00	0.88	5.290	O	|	|	|	|	3.66
226.083	0.00	0.91	5.665	O	|	|	|	|	3.89	231.250	0.00	0.88	5.284	O	|	|	|	|	3.66
226.167	0.00	0.91	5.659	O	|	|	|	|	3.88	231.333	0.00	0.88	5.278	O	|	|	|	|	3.65
226.250	0.00	0.91	5.653	O	|	|	|	|	3.88	231.417	0.00	0.88	5.272	O	|	|	|	|	3.65
226.333	0.00	0.90	5.647	O	|	|	|	|	3.87	231.500	0.00	0.88	5.266	O	|	|	|	|	3.65
226.417	0.00	0.90	5.640	O	|	|	|	|	3.87	231.583	0.00	0.88	5.260	O	|	|	|	|	3.64
226.500	0.00	0.90	5.634	O	|	|	|	|	3.87	231.667	0.00	0.88	5.254	O	|	|	|	|	3.64
226.583	0.00	0.90	5.628	O	|	|	|	|	3.86	231.750	0.00	0.88	5.248	O	|	|	|	|	3.64
226.667	0.00	0.90	5.622	O	|	|	|	|	3.86	231.833	0.00	0.88	5.242	O	|	|	|	|	3.63
226.750	0.00	0.90	5.616	O	|	|	|	|	3.86	231.917	0.00	0.88	5.236	O	|	|	|	|	3.63
226.833	0.00	0.90	5.609	O	|	|	|	|	3.85	232.000	0.00	0.87	5.230	O	|	|	|	|	3.62
226.917	0.00	0.90	5.603	O	|	|	|	|	3.85	232.083	0.00	0.87	5.224	O	|	|	|	|	3.62
227.000	0.00	0.90	5.597	O	|	|	|	|	3.84	232.167	0.00	0.87	5.218	O	|	|	|	|	3.62
227.083	0.00	0.90	5.591	O	|	|	|	|	3.84	232.250	0.00	0.87	5.212	O	|	|	|	|	3.61
227.167	0.00	0.90	5.584	O	|	|	|	|	3.84	232.333	0.00	0.87	5.206	O	|	|	|	|	3.61
227.250	0.00	0.90	5.578	O	|	|	|	|	3.83	232.417	0.00	0.87	5.200	O	|	|	|	|	3.61
227.333	0.00	0.90	5.572	O	|	|	|	|	3.83	232.500	0.00	0.87	5.194	O	|	|	|	|	3.60
227.417	0.00	0.90	5.566	O	|	|	|	|	3.83	232.583	0.00	0.87	5.188	O	|	|	|	|	3.60
227.500	0.00	0.90	5.560	O	|	|	|	|	3.82	232.667	0.00	0.87	5.182	O	|	|	|	|	3.60
227.583	0.00	0.90	5.554	O	|	|	|	|	3.82	232.750	0.00	0.87	5.176	O	|	|	|	|	3.59
227.667	0.00	0.90	5.547	O	|	|	|	|	3.81	232.833	0.00	0.87	5.170	O	|	|	|	|	3.59
227.750	0.00	0.90	5.541	O	|	|	|	|	3.81	232.917	0.00	0.87	5.164	O	|	|	|	|	3.58
227.833	0.00	0.90	5.535	O	|	|	|	|	3.81	233.000	0.00	0.87	5.158	O	|	|	|	|	3.58
227.917	0.00	0.90	5.529	O	|	|	|	|	3.80	233.083	0.00	0.87	5.152	O	|	|	|	|	3.58
228.000	0.00	0.90	5.523	O	|	|	|	|	3.80	233.167	0.00	0.87	5.146	O	|	|	|	|	3.57
228.083	0.00	0.90	5.516	O	|	|	|	|	3.80	233.250	0.00	0.87	5.140	O	|	|	|	|	3.57
228.167	0.00	0.90	5.510	O	|	|	|	|	3.79	233.333	0.00	0.87	5.134	O	|	|	|	|	3.57
228.250	0.00	0.89	5.504	O	|	|	|	|	3.79	233.417	0.00	0.87	5.128	O	|	|	|	|	3.56
228.333	0.00	0.89	5.498	O	|	|	|	|	3.79	233.500	0.00	0.87	5.122	O	|	|	|	|	3.56
228.417	0.00	0.89	5.492	O	|	|	|	|	3.78	233.583	0.00	0.87	5.116	O	|	|	|	|	3.56
228.500	0.00	0.89	5.486	O	|	|	|	|	3.78	233.667	0.00	0.87	5.110	O	|	|	|	|	3.55
228.583	0.00	0.89	5.479	O	|	|	|	|	3.77	233.750	0.00	0.87	5.104	O	|	|	|	|	3.55
228.667	0.00	0.89	5.473	O	|	|	|	|	3.77	233.833	0.00	0.87	5.098	O	|	|	|	|	3.55
228.750	0.00	0.89	5.467	O	|	|	|	|	3.77	233.917	0.00	0.86	5.092	O	|	|	|	|	3.54
228.833	0.00	0.89	5.461	O	|	|	|	|	3.76	234.000	0.00	0.86	5.086	O	|	|	|	|	3.54
228.917	0.00	0.89	5.455	O	|	|	|	|	3.76	234.083	0.00	0.86	5.080	O	|	|	|	|	3.53
229.000	0.00	0.89	5.449	O	|	|	|	|	3.76	234.167	0.00	0.86	5.074	O	|	|	|	|	3.53
229.083	0.00	0.89	5.443	O	|	|	|	|	3.75	234.250	0.00	0.86	5.068	O	|	|	|	|	3.53
229.167	0.00	0.89	5.437	O	|	|	|	|	3.75	234.333	0.00	0.86	5.062	O	|	|	|	|	3.52
229.250	0.00	0.89	5.430	O	|	|	|	|	3.74	234.417	0.00	0.86	5.056	O	|	|	|	|	3.52
229.333	0.00	0.89	5.424	O	|	|	|	|	3.74	234.500	0.00	0.86	5.050	O	|	|	|	|	3.52
229.417	0.00	0.89	5.418	O	|	|	|	|	3.74	234.583	0.00	0.86	5.045	O	|	|	|	|	3.51
229.500	0.00	0.89	5.412	O	|	|	|	|	3.73	234.667	0.00	0.86	5.039	O	|	|	|	|	3.51
229.583	0.00	0.89	5.406	O	|	|	|	|	3.73	234.750	0.00	0.86	5.033	O	|	|	|	|	3.51
229.667	0.00	0.89	5.400	O	|	|	|	|	3.73	234.833	0.00	0.86	5.027	O	|	|	|	|	3.50
229.750	0.00	0.89	5.394	O	|	|	|	|	3.72	234.917	0.00	0.86	5.021	O	|	|	|	|	3.50
229.833	0.00	0.89	5.388	O	|	|	|	|	3.72	235.000	0.00	0.86	5.015	O	|	|	|	|	3.50
229.917	0.00	0.89	5.381	O	|	|	|	|	3.72	235.083	0.00	0.86	5.009	O	|	|	|	|	3.49
230.000	0.00	0.89	5.375	O	|	|	|	|	3.71	235.167	0.00	0.86	5.003	O	|	|	|	|	3.49
230.083	0.00	0.88	5.369	O	|	|	|	|	3.71	235.250	0.00	0.86	4.997	O	|	|	|	|	3.48
230.167	0.00	0.88	5.363	O	|	|	|	|	3.70	235.333	0.00	0.86	4.991	O	|	|	|	|	3.48
230.250	0.00	0.88	5.357	O	|	|	|	|	3.70	235.417	0.00	0.86	4.985	O	|	|	|	|	3.48
230.333	0.00	0.88	5.351	O	|	|	|	|	3.70	235.500	0.00	0.86	4.979	O	|	|	|	|	3.47

235.583	0.00	0.86	4.974	O	|	|	|	|	3.47	240.750	0.00	0.83	4.613	O	|	|	|	|	3.25
235.667	0.00	0.86	4.968	O	|	|	|	|	3.47	240.833	0.00	0.83	4.608	O	|	|	|	|	3.25
235.750	0.00	0.86	4.962	O	|	|	|	|	3.46	240.917	0.00	0.83	4.602	O	|	|	|	|	3.25
235.833	0.00	0.86	4.956	O	|	|	|	|	3.46	241.000	0.00	0.83	4.596	O	|	|	|	|	3.24
235.917	0.00	0.85	4.950	O	|	|	|	|	3.46	241.083	0.00	0.83	4.591	O	|	|	|	|	3.24
236.000	0.00	0.85	4.944	O	|	|	|	|	3.45	241.167	0.00	0.83	4.585	O	|	|	|	|	3.24
236.083	0.00	0.85	4.938	O	|	|	|	|	3.45	241.250	0.00	0.83	4.579	O	|	|	|	|	3.23
236.167	0.00	0.85	4.932	O	|	|	|	|	3.45	241.333	0.00	0.83	4.573	O	|	|	|	|	3.23
236.250	0.00	0.85	4.926	O	|	|	|	|	3.44	241.417	0.00	0.83	4.568	O	|	|	|	|	3.23
236.333	0.00	0.85	4.921	O	|	|	|	|	3.44	241.500	0.00	0.83	4.562	O	|	|	|	|	3.22
236.417	0.00	0.85	4.915	O	|	|	|	|	3.44	241.583	0.00	0.83	4.556	O	|	|	|	|	3.22
236.500	0.00	0.85	4.909	O	|	|	|	|	3.43	241.667	0.00	0.83	4.551	O	|	|	|	|	3.22
236.583	0.00	0.85	4.903	O	|	|	|	|	3.43	241.750	0.00	0.83	4.545	O	|	|	|	|	3.21
236.667	0.00	0.85	4.897	O	|	|	|	|	3.42	241.833	0.00	0.83	4.539	O	|	|	|	|	3.21
236.750	0.00	0.85	4.891	O	|	|	|	|	3.42	241.917	0.00	0.82	4.534	O	|	|	|	|	3.21
236.833	0.00	0.85	4.885	O	|	|	|	|	3.42	242.000	0.00	0.82	4.528	O	|	|	|	|	3.20
236.917	0.00	0.85	4.880	O	|	|	|	|	3.41	242.083	0.00	0.82	4.522	O	|	|	|	|	3.20
237.000	0.00	0.85	4.874	O	|	|	|	|	3.41	242.167	0.00	0.82	4.517	O	|	|	|	|	3.20
237.083	0.00	0.85	4.868	O	|	|	|	|	3.41	242.250	0.00	0.82	4.511	O	|	|	|	|	3.19
237.167	0.00	0.85	4.862	O	|	|	|	|	3.40	242.333	0.00	0.82	4.505	O	|	|	|	|	3.19
237.250	0.00	0.85	4.856	O	|	|	|	|	3.40	242.417	0.00	0.82	4.500	O	|	|	|	|	3.19
237.333	0.00	0.85	4.850	O	|	|	|	|	3.40	242.500	0.00	0.82	4.494	O	|	|	|	|	3.18
237.417	0.00	0.85	4.845	O	|	|	|	|	3.39	242.583	0.00	0.82	4.488	O	|	|	|	|	3.18
237.500	0.00	0.85	4.839	O	|	|	|	|	3.39	242.667	0.00	0.82	4.483	O	|	|	|	|	3.18
237.583	0.00	0.85	4.833	O	|	|	|	|	3.39	242.750	0.00	0.82	4.477	O	|	|	|	|	3.17
237.667	0.00	0.85	4.827	O	|	|	|	|	3.38	242.833	0.00	0.82	4.471	O	|	|	|	|	3.17
237.750	0.00	0.85	4.821	O	|	|	|	|	3.38	242.917	0.00	0.82	4.466	O	|	|	|	|	3.17
237.833	0.00	0.85	4.815	O	|	|	|	|	3.38	243.000	0.00	0.82	4.460	O	|	|	|	|	3.16
237.917	0.00	0.84	4.810	O	|	|	|	|	3.37	243.083	0.00	0.82	4.454	O	|	|	|	|	3.16
238.000	0.00	0.84	4.804	O	|	|	|	|	3.37	243.167	0.00	0.82	4.449	O	|	|	|	|	3.16
238.083	0.00	0.84	4.798	O	|	|	|	|	3.36	243.250	0.00	0.82	4.443	O	|	|	|	|	3.15
238.167	0.00	0.84	4.792	O	|	|	|	|	3.36	243.333	0.00	0.82	4.437	O	|	|	|	|	3.15
238.250	0.00	0.84	4.786	O	|	|	|	|	3.36	243.417	0.00	0.82	4.432	O	|	|	|	|	3.15
238.333	0.00	0.84	4.781	O	|	|	|	|	3.35	243.500	0.00	0.82	4.426	O	|	|	|	|	3.14
238.417	0.00	0.84	4.775	O	|	|	|	|	3.35	243.583	0.00	0.82	4.421	O	|	|	|	|	3.14
238.500	0.00	0.84	4.769	O	|	|	|	|	3.35	243.667	0.00	0.82	4.415	O	|	|	|	|	3.14
238.583	0.00	0.84	4.763	O	|	|	|	|	3.34	243.750	0.00	0.82	4.409	O	|	|	|	|	3.13
238.667	0.00	0.84	4.757	O	|	|	|	|	3.34	243.833	0.00	0.82	4.404	O	|	|	|	|	3.13
238.750	0.00	0.84	4.752	O	|	|	|	|	3.34	243.917	0.00	0.81	4.398	O	|	|	|	|	3.12
238.833	0.00	0.84	4.746	O	|	|	|	|	3.33	244.000	0.00	0.81	4.393	O	|	|	|	|	3.12
238.917	0.00	0.84	4.740	O	|	|	|	|	3.33	244.083	0.00	0.81	4.387	O	|	|	|	|	3.12
239.000	0.00	0.84	4.734	O	|	|	|	|	3.33	244.167	0.00	0.81	4.381	O	|	|	|	|	3.11
239.083	0.00	0.84	4.728	O	|	|	|	|	3.32	244.250	0.00	0.81	4.376	O	|	|	|	|	3.11
239.167	0.00	0.84	4.723	O	|	|	|	|	3.32	244.333	0.00	0.81	4.370	O	|	|	|	|	3.11
239.250	0.00	0.84	4.717	O	|	|	|	|	3.32	244.417	0.00	0.81	4.364	O	|	|	|	|	3.10
239.333	0.00	0.84	4.711	O	|	|	|	|	3.31	244.500	0.00	0.81	4.359	O	|	|	|	|	3.10
239.417	0.00	0.84	4.705	O	|	|	|	|	3.31	244.583	0.00	0.81	4.353	O	|	|	|	|	3.10
239.500	0.00	0.84	4.700	O	|	|	|	|	3.31	244.667	0.00	0.81	4.348	O	|	|	|	|	3.09
239.583	0.00	0.84	4.694	O	|	|	|	|	3.30	244.750	0.00	0.81	4.342	O	|	|	|	|	3.09
239.667	0.00	0.84	4.688	O	|	|	|	|	3.30	244.833	0.00	0.81	4.337	O	|	|	|	|	3.09
239.750	0.00	0.84	4.682	O	|	|	|	|	3.30	244.917	0.00	0.81	4.331	O	|	|	|	|	3.08
239.833	0.00	0.84	4.677	O	|	|	|	|	3.29	245.000	0.00	0.81	4.325	O	|	|	|	|	3.08
239.917	0.00	0.83	4.671	O	|	|	|	|	3.29	245.083	0.00	0.81	4.320	O	|	|	|	|	3.08
240.000	0.00	0.83	4.665	O	|	|	|	|	3.29	245.167	0.00	0.81	4.314	O	|	|	|	|	3.07
240.083	0.00	0.83	4.659	O	|	|	|	|	3.28	245.250	0.00	0.81	4.309	O	|	|	|	|	3.07
240.167	0.00	0.83	4.654	O	|	|	|	|	3.28	245.333	0.00	0.81	4.303	O	|	|	|	|	3.07
240.250	0.00	0.83	4.648	O	|	|	|	|	3.27	245.417	0.00	0.81	4.298	O	|	|	|	|	3.06
240.333	0.00	0.83	4.642	O	|	|	|	|	3.27	245.500	0.00	0.81	4.292	O	|	|	|	|	3.06
240.417	0.00	0.83	4.636	O	|	|	|	|	3.27	245.583	0.00	0.81	4.286	O	|	|	|	|	3.06
240.500	0.00	0.83	4.631	O	|	|	|	|	3.26	245.667	0.00	0.81	4.281	O	|	|	|	|	3.05
240.583	0.00	0.83	4.625	O	|	|	|	|	3.26	245.750	0.00	0.81	4.275	O	|	|	|	|	3.05
240.667	0.00	0.83	4.619	O	|	|	|	|	3.26	245.833	0.00	0.81	4.270	O	|	|	|	|	3.05

245.917	0.00	0.81	4.264	O	|	|	|	|	3.04	251.083	0.00	0.77	3.927	O	|	|	|	|	2.82
246.000	0.00	0.80	4.259	O	|	|	|	|	3.04	251.167	0.00	0.77	3.921	O	|	|	|	|	2.82
246.083	0.00	0.80	4.253	O	|	|	|	|	3.04	251.250	0.00	0.77	3.916	O	|	|	|	|	2.82
246.167	0.00	0.80	4.248	O	|	|	|	|	3.03	251.333	0.00	0.77	3.911	O	|	|	|	|	2.81
246.250	0.00	0.80	4.242	O	|	|	|	|	3.03	251.417	0.00	0.77	3.905	O	|	|	|	|	2.81
246.333	0.00	0.80	4.237	O	|	|	|	|	3.03	251.500	0.00	0.77	3.900	O	|	|	|	|	2.81
246.417	0.00	0.80	4.231	O	|	|	|	|	3.02	251.583	0.00	0.77	3.895	O	|	|	|	|	2.80
246.500	0.00	0.80	4.225	O	|	|	|	|	3.02	251.667	0.00	0.77	3.890	O	|	|	|	|	2.80
246.583	0.00	0.80	4.220	O	|	|	|	|	3.02	251.750	0.00	0.77	3.884	O	|	|	|	|	2.80
246.667	0.00	0.80	4.214	O	|	|	|	|	3.01	251.833	0.00	0.77	3.879	O	|	|	|	|	2.79
246.750	0.00	0.80	4.209	O	|	|	|	|	3.01	251.917	0.00	0.77	3.874	O	|	|	|	|	2.79
246.833	0.00	0.80	4.203	O	|	|	|	|	3.01	252.000	0.00	0.77	3.868	O	|	|	|	|	2.79
246.917	0.00	0.80	4.198	O	|	|	|	|	3.00	252.083	0.00	0.77	3.863	O	|	|	|	|	2.78
247.000	0.00	0.80	4.192	O	|	|	|	|	3.00	252.167	0.00	0.77	3.858	O	|	|	|	|	2.78
247.083	0.00	0.80	4.187	O	|	|	|	|	3.00	252.250	0.00	0.77	3.853	O	|	|	|	|	2.78
247.167	0.00	0.80	4.181	O	|	|	|	|	2.99	252.333	0.00	0.77	3.847	O	|	|	|	|	2.77
247.250	0.00	0.80	4.176	O	|	|	|	|	2.99	252.417	0.00	0.77	3.842	O	|	|	|	|	2.77
247.333	0.00	0.80	4.170	O	|	|	|	|	2.99	252.500	0.00	0.76	3.837	O	|	|	|	|	2.77
247.417	0.00	0.80	4.165	O	|	|	|	|	2.98	252.583	0.00	0.76	3.831	O	|	|	|	|	2.76
247.500	0.00	0.80	4.159	O	|	|	|	|	2.98	252.667	0.00	0.76	3.826	O	|	|	|	|	2.76
247.583	0.00	0.80	4.154	O	|	|	|	|	2.98	252.750	0.00	0.76	3.821	O	|	|	|	|	2.75
247.667	0.00	0.80	4.148	O	|	|	|	|	2.97	252.833	0.00	0.76	3.816	O	|	|	|	|	2.75
247.750	0.00	0.80	4.143	O	|	|	|	|	2.97	252.917	0.00	0.76	3.810	O	|	|	|	|	2.75
247.833	0.00	0.79	4.137	O	|	|	|	|	2.97	253.000	0.00	0.76	3.805	O	|	|	|	|	2.74
247.917	0.00	0.79	4.132	O	|	|	|	|	2.96	253.083	0.00	0.76	3.800	O	|	|	|	|	2.74
248.000	0.00	0.79	4.126	O	|	|	|	|	2.96	253.167	0.00	0.76	3.795	O	|	|	|	|	2.74
248.083	0.00	0.79	4.121	O	|	|	|	|	2.95	253.250	0.00	0.76	3.789	O	|	|	|	|	2.73
248.167	0.00	0.79	4.116	O	|	|	|	|	2.95	253.333	0.00	0.76	3.784	O	|	|	|	|	2.73
248.250	0.00	0.79	4.110	O	|	|	|	|	2.95	253.417	0.00	0.76	3.779	O	|	|	|	|	2.73
248.333	0.00	0.79	4.105	O	|	|	|	|	2.94	253.500	0.00	0.76	3.774	O	|	|	|	|	2.72
248.417	0.00	0.79	4.099	O	|	|	|	|	2.94	253.583	0.00	0.76	3.769	O	|	|	|	|	2.72
248.500	0.00	0.79	4.094	O	|	|	|	|	2.94	253.667	0.00	0.76	3.763	O	|	|	|	|	2.72
248.583	0.00	0.79	4.088	O	|	|	|	|	2.93	253.750	0.00	0.76	3.758	O	|	|	|	|	2.71
248.667	0.00	0.79	4.083	O	|	|	|	|	2.93	253.833	0.00	0.76	3.753	O	|	|	|	|	2.71
248.750	0.00	0.79	4.077	O	|	|	|	|	2.93	253.917	0.00	0.76	3.748	O	|	|	|	|	2.71
248.833	0.00	0.79	4.072	O	|	|	|	|	2.92	254.000	0.00	0.76	3.742	O	|	|	|	|	2.70
248.917	0.00	0.79	4.067	O	|	|	|	|	2.92	254.083	0.00	0.75	3.737	O	|	|	|	|	2.70
249.000	0.00	0.79	4.061	O	|	|	|	|	2.91	254.167	0.00	0.75	3.732	O	|	|	|	|	2.70
249.083	0.00	0.79	4.056	O	|	|	|	|	2.91	254.250	0.00	0.75	3.727	O	|	|	|	|	2.69
249.167	0.00	0.79	4.050	O	|	|	|	|	2.91	254.333	0.00	0.75	3.722	O	|	|	|	|	2.69
249.250	0.00	0.79	4.045	O	|	|	|	|	2.90	254.417	0.00	0.75	3.717	O	|	|	|	|	2.69
249.333	0.00	0.78	4.040	O	|	|	|	|	2.90	254.500	0.00	0.75	3.711	O	|	|	|	|	2.68
249.417	0.00	0.78	4.034	O	|	|	|	|	2.90	254.583	0.00	0.75	3.706	O	|	|	|	|	2.68
249.500	0.00	0.78	4.029	O	|	|	|	|	2.89	254.667	0.00	0.75	3.701	O	|	|	|	|	2.67
249.583	0.00	0.78	4.023	O	|	|	|	|	2.89	254.750	0.00	0.75	3.696	O	|	|	|	|	2.67
249.667	0.00	0.78	4.018	O	|	|	|	|	2.89	254.833	0.00	0.75	3.691	O	|	|	|	|	2.67
249.750	0.00	0.78	4.013	O	|	|	|	|	2.88	254.917	0.00	0.75	3.685	O	|	|	|	|	2.66
249.833	0.00	0.78	4.007	O	|	|	|	|	2.88	255.000	0.00	0.75	3.680	O	|	|	|	|	2.66
249.917	0.00	0.78	4.002	O	|	|	|	|	2.87	255.083	0.00	0.75	3.675	O	|	|	|	|	2.66
250.000	0.00	0.78	3.996	O	|	|	|	|	2.87	255.167	0.00	0.75	3.670	O	|	|	|	|	2.65
250.083	0.00	0.78	3.991	O	|	|	|	|	2.87	255.250	0.00	0.75	3.665	O	|	|	|	|	2.65
250.167	0.00	0.78	3.986	O	|	|	|	|	2.86	255.333	0.00	0.75	3.660	O	|	|	|	|	2.65
250.250	0.00	0.78	3.980	O	|	|	|	|	2.86	255.417	0.00	0.75	3.655	O	|	|	|	|	2.64
250.333	0.00	0.78	3.975	O	|	|	|	|	2.86	255.500	0.00	0.75	3.649	O	|	|	|	|	2.64
250.417	0.00	0.78	3.970	O	|	|	|	|	2.85	255.583	0.00	0.75	3.644	O	|	|	|	|	2.64
250.500	0.00	0.78	3.964	O	|	|	|	|	2.85	255.667	0.00	0.75	3.639	O	|	|	|	|	2.63
250.583	0.00	0.78	3.959	O	|	|	|	|	2.85	255.750	0.00	0.74	3.634	O	|	|	|	|	2.63
250.667	0.00	0.78	3.953	O	|	|	|	|	2.84	255.833	0.00	0.74	3.629	O	|	|	|	|	2.63
250.750	0.00	0.78	3.948	O	|	|	|	|	2.84	255.917	0.00	0.74	3.624	O	|	|	|	|	2.62
250.833	0.00	0.78	3.943	O	|	|	|	|	2.84	256.000	0.00	0.74	3.619	O	|	|	|	|	2.62
250.917	0.00	0.77	3.937	O	|	|	|	|	2.83	256.083	0.00	0.74	3.614	O	|	|	|	|	2.62
251.000	0.00	0.77	3.932	O	|	|	|	|	2.83	256.167	0.00	0.74	3.608	O	|	|	|	|	2.61

256.250	0.00	0.74	3.603	O	|	|	|	|	2.61	261.417	0.00	0.71	3.293	O	|	|	|	|	2.40
256.333	0.00	0.74	3.598	O	|	|	|	|	2.61	261.500	0.00	0.71	3.288	O	|	|	|	|	2.40
256.417	0.00	0.74	3.593	O	|	|	|	|	2.60	261.583	0.00	0.71	3.284	O	|	|	|	|	2.40
256.500	0.00	0.74	3.588	O	|	|	|	|	2.60	261.667	0.00	0.71	3.279	O	|	|	|	|	2.39
256.583	0.00	0.74	3.583	O	|	|	|	|	2.60	261.750	0.00	0.71	3.274	O	|	|	|	|	2.39
256.667	0.00	0.74	3.578	O	|	|	|	|	2.59	261.833	0.00	0.71	3.269	O	|	|	|	|	2.39
256.750	0.00	0.74	3.573	O	|	|	|	|	2.59	261.917	0.00	0.71	3.264	O	|	|	|	|	2.38
256.833	0.00	0.74	3.568	O	|	|	|	|	2.59	262.000	0.00	0.71	3.259	O	|	|	|	|	2.38
256.917	0.00	0.74	3.563	O	|	|	|	|	2.58	262.083	0.00	0.71	3.254	O	|	|	|	|	2.38
257.000	0.00	0.74	3.558	O	|	|	|	|	2.58	262.167	0.00	0.71	3.249	O	|	|	|	|	2.37
257.083	0.00	0.74	3.552	O	|	|	|	|	2.58	262.250	0.00	0.71	3.245	O	|	|	|	|	2.37
257.167	0.00	0.74	3.547	O	|	|	|	|	2.57	262.333	0.00	0.71	3.240	O	|	|	|	|	2.37
257.250	0.00	0.74	3.542	O	|	|	|	|	2.57	262.417	0.00	0.70	3.235	O	|	|	|	|	2.36
257.333	0.00	0.73	3.537	O	|	|	|	|	2.57	262.500	0.00	0.70	3.230	O	|	|	|	|	2.36
257.417	0.00	0.73	3.532	O	|	|	|	|	2.56	262.583	0.00	0.70	3.225	O	|	|	|	|	2.36
257.500	0.00	0.73	3.527	O	|	|	|	|	2.56	262.667	0.00	0.70	3.220	O	|	|	|	|	2.36
257.583	0.00	0.73	3.522	O	|	|	|	|	2.56	262.750	0.00	0.70	3.215	O	|	|	|	|	2.35
257.667	0.00	0.73	3.517	O	|	|	|	|	2.55	262.833	0.00	0.70	3.211	O	|	|	|	|	2.35
257.750	0.00	0.73	3.512	O	|	|	|	|	2.55	262.917	0.00	0.70	3.206	O	|	|	|	|	2.35
257.833	0.00	0.73	3.507	O	|	|	|	|	2.55	263.000	0.00	0.70	3.201	O	|	|	|	|	2.34
257.917	0.00	0.73	3.502	O	|	|	|	|	2.54	263.083	0.00	0.70	3.196	O	|	|	|	|	2.34
258.000	0.00	0.73	3.497	O	|	|	|	|	2.54	263.167	0.00	0.70	3.191	O	|	|	|	|	2.34
258.083	0.00	0.73	3.492	O	|	|	|	|	2.54	263.250	0.00	0.70	3.187	O	|	|	|	|	2.33
258.167	0.00	0.73	3.487	O	|	|	|	|	2.53	263.333	0.00	0.70	3.182	O	|	|	|	|	2.33
258.250	0.00	0.73	3.482	O	|	|	|	|	2.53	263.417	0.00	0.70	3.177	O	|	|	|	|	2.33
258.333	0.00	0.73	3.477	O	|	|	|	|	2.53	263.500	0.00	0.70	3.172	O	|	|	|	|	2.32
258.417	0.00	0.73	3.472	O	|	|	|	|	2.52	263.583	0.00	0.70	3.167	O	|	|	|	|	2.32
258.500	0.00	0.73	3.467	O	|	|	|	|	2.52	263.667	0.00	0.70	3.162	O	|	|	|	|	2.32
258.583	0.00	0.73	3.462	O	|	|	|	|	2.52	263.750	0.00	0.70	3.158	O	|	|	|	|	2.31
258.667	0.00	0.73	3.457	O	|	|	|	|	2.51	263.833	0.00	0.70	3.153	O	|	|	|	|	2.31
258.750	0.00	0.73	3.452	O	|	|	|	|	2.51	263.917	0.00	0.70	3.148	O	|	|	|	|	2.31
258.833	0.00	0.73	3.447	O	|	|	|	|	2.51	264.000	0.00	0.70	3.143	O	|	|	|	|	2.30
258.917	0.00	0.73	3.442	O	|	|	|	|	2.50	264.083	0.00	0.70	3.138	O	|	|	|	|	2.30
259.000	0.00	0.72	3.437	O	|	|	|	|	2.50	264.167	0.00	0.69	3.134	O	|	|	|	|	2.30
259.083	0.00	0.72	3.432	O	|	|	|	|	2.50	264.250	0.00	0.69	3.129	O	|	|	|	|	2.29
259.167	0.00	0.72	3.427	O	|	|	|	|	2.49	264.333	0.00	0.69	3.124	O	|	|	|	|	2.29
259.250	0.00	0.72	3.422	O	|	|	|	|	2.49	264.417	0.00	0.69	3.119	O	|	|	|	|	2.29
259.333	0.00	0.72	3.417	O	|	|	|	|	2.49	264.500	0.00	0.69	3.115	O	|	|	|	|	2.28
259.417	0.00	0.72	3.412	O	|	|	|	|	2.48	264.583	0.00	0.69	3.110	O	|	|	|	|	2.28
259.500	0.00	0.72	3.407	O	|	|	|	|	2.48	264.667	0.00	0.69	3.105	O	|	|	|	|	2.28
259.583	0.00	0.72	3.402	O	|	|	|	|	2.48	264.750	0.00	0.69	3.100	O	|	|	|	|	2.28
259.667	0.00	0.72	3.397	O	|	|	|	|	2.47	264.833	0.00	0.69	3.096	O	|	|	|	|	2.27
259.750	0.00	0.72	3.392	O	|	|	|	|	2.47	264.917	0.00	0.69	3.091	O	|	|	|	|	2.27
259.833	0.00	0.72	3.387	O	|	|	|	|	2.47	265.000	0.00	0.69	3.086	O	|	|	|	|	2.27
259.917	0.00	0.72	3.382	O	|	|	|	|	2.46	265.083	0.00	0.69	3.081	O	|	|	|	|	2.26
260.000	0.00	0.72	3.377	O	|	|	|	|	2.46	265.167	0.00	0.69	3.077	O	|	|	|	|	2.26
260.083	0.00	0.72	3.372	O	|	|	|	|	2.46	265.250	0.00	0.69	3.072	O	|	|	|	|	2.26
260.167	0.00	0.72	3.367	O	|	|	|	|	2.45	265.333	0.00	0.69	3.067	O	|	|	|	|	2.25
260.250	0.00	0.72	3.362	O	|	|	|	|	2.45	265.417	0.00	0.69	3.062	O	|	|	|	|	2.25
260.333	0.00	0.72	3.357	O	|	|	|	|	2.45	265.500	0.00	0.69	3.058	O	|	|	|	|	2.25
260.417	0.00	0.72	3.352	O	|	|	|	|	2.44	265.583	0.00	0.69	3.053	O	|	|	|	|	2.24
260.500	0.00	0.72	3.347	O	|	|	|	|	2.44	265.667	0.00	0.69	3.048	O	|	|	|	|	2.24
260.583	0.00	0.72	3.342	O	|	|	|	|	2.44	265.750	0.00	0.69	3.043	O	|	|	|	|	2.24
260.667	0.00	0.71	3.338	O	|	|	|	|	2.43	265.833	0.00	0.69	3.039	O	|	|	|	|	2.23
260.750	0.00	0.71	3.333	O	|	|	|	|	2.43	265.917	0.00	0.68	3.034	O	|	|	|	|	2.23
260.833	0.00	0.71	3.328	O	|	|	|	|	2.43	266.000	0.00	0.68	3.029	O	|	|	|	|	2.23
260.917	0.00	0.71	3.323	O	|	|	|	|	2.42	266.083	0.00	0.68	3.025	O	|	|	|	|	2.23
261.000	0.00	0.71	3.318	O	|	|	|	|	2.42	266.167	0.00	0.68	3.020	O	|	|	|	|	2.22
261.083	0.00	0.71	3.313	O	|	|	|	|	2.42	266.250	0.00	0.68	3.015	O	|	|	|	|	2.22
261.167	0.00	0.71	3.308	O	|	|	|	|	2.41	266.333	0.00	0.68	3.010	O	|	|	|	|	2.22
261.250	0.00	0.71	3.303	O	|	|	|	|	2.41	266.417	0.00	0.68	3.006	O	|	|	|	|	2.21
261.333	0.00	0.71	3.298	O	|	|	|	|	2.41	266.500	0.00	0.68	3.001	O	|	|	|	|	2.21

266.583	0.00	0.68	2.996	O	|	|	|	|	2.21	271.750	0.00	0.65	2.712	O	|	|	|	|	2.02
266.667	0.00	0.68	2.992	O	|	|	|	|	2.20	271.833	0.00	0.65	2.707	O	|	|	|	|	2.01
266.750	0.00	0.68	2.987	O	|	|	|	|	2.20	271.917	0.00	0.65	2.703	O	|	|	|	|	2.01
266.833	0.00	0.68	2.982	O	|	|	|	|	2.20	272.000	0.00	0.65	2.698	O	|	|	|	|	2.01
266.917	0.00	0.68	2.978	O	|	|	|	|	2.19	272.083	0.00	0.65	2.694	O	|	|	|	|	2.01
267.000	0.00	0.68	2.973	O	|	|	|	|	2.19	272.167	0.00	0.65	2.689	O	|	|	|	|	2.00
267.083	0.00	0.68	2.968	O	|	|	|	|	2.19	272.250	0.00	0.65	2.685	O	|	|	|	|	2.00
267.167	0.00	0.68	2.964	O	|	|	|	|	2.18	272.333	0.00	0.65	2.680	O	|	|	|	|	2.00
267.250	0.00	0.68	2.959	O	|	|	|	|	2.18	272.417	0.00	0.65	2.676	O	|	|	|	|	1.99
267.333	0.00	0.68	2.954	O	|	|	|	|	2.18	272.500	0.00	0.65	2.671	O	|	|	|	|	1.99
267.417	0.00	0.68	2.950	O	|	|	|	|	2.18	272.583	0.00	0.65	2.667	O	|	|	|	|	1.99
267.500	0.00	0.68	2.945	O	|	|	|	|	2.17	272.667	0.00	0.65	2.662	O	|	|	|	|	1.98
267.583	0.00	0.68	2.940	O	|	|	|	|	2.17	272.750	0.00	0.65	2.658	O	|	|	|	|	1.98
267.667	0.00	0.67	2.936	O	|	|	|	|	2.17	272.833	0.00	0.65	2.654	O	|	|	|	|	1.98
267.750	0.00	0.67	2.931	O	|	|	|	|	2.16	272.917	0.00	0.64	2.649	O	|	|	|	|	1.97
267.833	0.00	0.67	2.926	O	|	|	|	|	2.16	273.000	0.00	0.64	2.645	O	|	|	|	|	1.97
267.917	0.00	0.67	2.922	O	|	|	|	|	2.16	273.083	0.00	0.64	2.640	O	|	|	|	|	1.97
268.000	0.00	0.67	2.917	O	|	|	|	|	2.15	273.167	0.00	0.64	2.636	O	|	|	|	|	1.96
268.083	0.00	0.67	2.912	O	|	|	|	|	2.15	273.250	0.00	0.64	2.631	O	|	|	|	|	1.96
268.167	0.00	0.67	2.908	O	|	|	|	|	2.15	273.333	0.00	0.64	2.627	O	|	|	|	|	1.96
268.250	0.00	0.67	2.903	O	|	|	|	|	2.14	273.417	0.00	0.64	2.623	O	|	|	|	|	1.95
268.333	0.00	0.67	2.899	O	|	|	|	|	2.14	273.500	0.00	0.64	2.618	O	|	|	|	|	1.95
268.417	0.00	0.67	2.894	O	|	|	|	|	2.14	273.583	0.00	0.64	2.614	O	|	|	|	|	1.95
268.500	0.00	0.67	2.889	O	|	|	|	|	2.14	273.667	0.00	0.64	2.609	O	|	|	|	|	1.95
268.583	0.00	0.67	2.885	O	|	|	|	|	2.13	273.750	0.00	0.64	2.605	O	|	|	|	|	1.94
268.667	0.00	0.67	2.880	O	|	|	|	|	2.13	273.833	0.00	0.64	2.601	O	|	|	|	|	1.94
268.750	0.00	0.67	2.875	O	|	|	|	|	2.13	273.917	0.00	0.64	2.596	O	|	|	|	|	1.94
268.833	0.00	0.67	2.871	O	|	|	|	|	2.12	274.000	0.00	0.64	2.592	O	|	|	|	|	1.93
268.917	0.00	0.67	2.866	O	|	|	|	|	2.12	274.083	0.00	0.64	2.587	O	|	|	|	|	1.93
269.000	0.00	0.67	2.862	O	|	|	|	|	2.12	274.167	0.00	0.63	2.583	O	|	|	|	|	1.93
269.083	0.00	0.67	2.857	O	|	|	|	|	2.11	274.250	0.00	0.63	2.579	O	|	|	|	|	1.92
269.167	0.00	0.67	2.852	O	|	|	|	|	2.11	274.333	0.00	0.63	2.574	O	|	|	|	|	1.92
269.250	0.00	0.67	2.848	O	|	|	|	|	2.11	274.417	0.00	0.63	2.570	O	|	|	|	|	1.92
269.333	0.00	0.67	2.843	O	|	|	|	|	2.10	274.500	0.00	0.63	2.566	O	|	|	|	|	1.91
269.417	0.00	0.67	2.839	O	|	|	|	|	2.10	274.583	0.00	0.63	2.561	O	|	|	|	|	1.91
269.500	0.00	0.66	2.834	O	|	|	|	|	2.10	274.667	0.00	0.63	2.557	O	|	|	|	|	1.91
269.583	0.00	0.66	2.830	O	|	|	|	|	2.10	274.750	0.00	0.63	2.553	O	|	|	|	|	1.90
269.667	0.00	0.66	2.825	O	|	|	|	|	2.09	274.833	0.00	0.63	2.548	O	|	|	|	|	1.90
269.750	0.00	0.66	2.820	O	|	|	|	|	2.09	274.917	0.00	0.63	2.544	O	|	|	|	|	1.90
269.833	0.00	0.66	2.816	O	|	|	|	|	2.09	275.000	0.00	0.63	2.540	O	|	|	|	|	1.90
269.917	0.00	0.66	2.811	O	|	|	|	|	2.08	275.083	0.00	0.63	2.535	O	|	|	|	|	1.89
270.000	0.00	0.66	2.807	O	|	|	|	|	2.08	275.167	0.00	0.63	2.531	O	|	|	|	|	1.89
270.083	0.00	0.66	2.802	O	|	|	|	|	2.08	275.250	0.00	0.63	2.527	O	|	|	|	|	1.89
270.167	0.00	0.66	2.798	O	|	|	|	|	2.07	275.333	0.00	0.63	2.522	O	|	|	|	|	1.88
270.250	0.00	0.66	2.793	O	|	|	|	|	2.07	275.417	0.00	0.62	2.518	O	|	|	|	|	1.88
270.333	0.00	0.66	2.789	O	|	|	|	|	2.07	275.500	0.00	0.62	2.514	O	|	|	|	|	1.88
270.417	0.00	0.66	2.784	O	|	|	|	|	2.07	275.583	0.00	0.62	2.509	O	|	|	|	|	1.87
270.500	0.00	0.66	2.779	O	|	|	|	|	2.06	275.667	0.00	0.62	2.505	O	|	|	|	|	1.87
270.583	0.00	0.66	2.775	O	|	|	|	|	2.06	275.750	0.00	0.62	2.501	O	|	|	|	|	1.87
270.667	0.00	0.66	2.770	O	|	|	|	|	2.06	275.833	0.00	0.62	2.497	O	|	|	|	|	1.86
270.750	0.00	0.66	2.766	O	|	|	|	|	2.05	275.917	0.00	0.62	2.492	O	|	|	|	|	1.86
270.833	0.00	0.66	2.761	O	|	|	|	|	2.05	276.000	0.00	0.62	2.488	O	|	|	|	|	1.86
270.917	0.00	0.66	2.757	O	|	|	|	|	2.05	276.083	0.00	0.62	2.484	O	|	|	|	|	1.86
271.000	0.00	0.66	2.752	O	|	|	|	|	2.04	276.167	0.00	0.62	2.479	O	|	|	|	|	1.85
271.083	0.00	0.66	2.748	O	|	|	|	|	2.04	276.250	0.00	0.62	2.475	O	|	|	|	|	1.85
271.167	0.00	0.66	2.743	O	|	|	|	|	2.04	276.333	0.00	0.62	2.471	O	|	|	|	|	1.85
271.250	0.00	0.66	2.739	O	|	|	|	|	2.04	276.417	0.00	0.62	2.467	O	|	|	|	|	1.84
271.333	0.00	0.65	2.734	O	|	|	|	|	2.03	276.500	0.00	0.62	2.462	O	|	|	|	|	1.84
271.417	0.00	0.65	2.730	O	|	|	|	|	2.03	276.583	0.00	0.62	2.458	O	|	|	|	|	1.84
271.500	0.00	0.65	2.725	O	|	|	|	|	2.03	276.667	0.00	0.62	2.454	O	|	|	|	|	1.83
271.583	0.00	0.65	2.721	O	|	|	|	|	2.02	276.750	0.00	0.61	2.450	O	|	|	|	|	1.83
271.667	0.00	0.65	2.716	O	|	|	|	|	2.02	276.833	0.00	0.61	2.445	O	|	|	|	|	1.83

276.917	0.00	0.61	2.441	O	|	|	|	|	1.82	282.083	0.00	0.58	2.188	O	|	|	|	|	1.64
277.000	0.00	0.61	2.437	O	|	|	|	|	1.82	282.167	0.00	0.57	2.184	O	|	|	|	|	1.64
277.083	0.00	0.61	2.433	O	|	|	|	|	1.82	282.250	0.00	0.57	2.180	O	|	|	|	|	1.64
277.167	0.00	0.61	2.429	O	|	|	|	|	1.82	282.333	0.00	0.57	2.176	O	|	|	|	|	1.63
277.250	0.00	0.61	2.424	O	|	|	|	|	1.81	282.417	0.00	0.57	2.172	O	|	|	|	|	1.63
277.333	0.00	0.61	2.420	O	|	|	|	|	1.81	282.500	0.00	0.57	2.168	O	|	|	|	|	1.63
277.417	0.00	0.61	2.416	O	|	|	|	|	1.81	282.583	0.00	0.57	2.164	O	|	|	|	|	1.63
277.500	0.00	0.61	2.412	O	|	|	|	|	1.80	282.667	0.00	0.57	2.160	O	|	|	|	|	1.62
277.583	0.00	0.61	2.408	O	|	|	|	|	1.80	282.750	0.00	0.57	2.156	O	|	|	|	|	1.62
277.667	0.00	0.61	2.403	O	|	|	|	|	1.80	282.833	0.00	0.57	2.152	O	|	|	|	|	1.62
277.750	0.00	0.61	2.399	O	|	|	|	|	1.79	282.917	0.00	0.57	2.148	O	|	|	|	|	1.62
277.833	0.00	0.61	2.395	O	|	|	|	|	1.79	283.000	0.00	0.57	2.144	O	|	|	|	|	1.61
277.917	0.00	0.61	2.391	O	|	|	|	|	1.79	283.083	0.00	0.57	2.140	O	|	|	|	|	1.61
278.000	0.00	0.61	2.387	O	|	|	|	|	1.79	283.167	0.00	0.57	2.137	O	|	|	|	|	1.61
278.083	0.00	0.60	2.383	O	|	|	|	|	1.78	283.250	0.00	0.57	2.133	O	|	|	|	|	1.60
278.167	0.00	0.60	2.378	O	|	|	|	|	1.78	283.333	0.00	0.57	2.129	O	|	|	|	|	1.60
278.250	0.00	0.60	2.374	O	|	|	|	|	1.78	283.417	0.00	0.57	2.125	O	|	|	|	|	1.60
278.333	0.00	0.60	2.370	O	|	|	|	|	1.77	283.500	0.00	0.57	2.121	O	|	|	|	|	1.60
278.417	0.00	0.60	2.366	O	|	|	|	|	1.77	283.583	0.00	0.56	2.117	O	|	|	|	|	1.59
278.500	0.00	0.60	2.362	O	|	|	|	|	1.77	283.667	0.00	0.56	2.113	O	|	|	|	|	1.59
278.583	0.00	0.60	2.358	O	|	|	|	|	1.76	283.750	0.00	0.56	2.109	O	|	|	|	|	1.59
278.667	0.00	0.60	2.354	O	|	|	|	|	1.76	283.833	0.00	0.56	2.105	O	|	|	|	|	1.58
278.750	0.00	0.60	2.349	O	|	|	|	|	1.76	283.917	0.00	0.56	2.102	O	|	|	|	|	1.58
278.833	0.00	0.60	2.345	O	|	|	|	|	1.76	284.000	0.00	0.56	2.098	O	|	|	|	|	1.58
278.917	0.00	0.60	2.341	O	|	|	|	|	1.75	284.083	0.00	0.56	2.094	O	|	|	|	|	1.58
279.000	0.00	0.60	2.337	O	|	|	|	|	1.75	284.167	0.00	0.56	2.090	O	|	|	|	|	1.57
279.083	0.00	0.60	2.333	O	|	|	|	|	1.75	284.250	0.00	0.56	2.086	O	|	|	|	|	1.57
279.167	0.00	0.60	2.329	O	|	|	|	|	1.74	284.333	0.00	0.56	2.082	O	|	|	|	|	1.57
279.250	0.00	0.60	2.325	O	|	|	|	|	1.74	284.417	0.00	0.56	2.078	O	|	|	|	|	1.57
279.333	0.00	0.60	2.321	O	|	|	|	|	1.74	284.500	0.00	0.56	2.074	O	|	|	|	|	1.56
279.417	0.00	0.59	2.317	O	|	|	|	|	1.74	284.583	0.00	0.56	2.071	O	|	|	|	|	1.56
279.500	0.00	0.59	2.312	O	|	|	|	|	1.73	284.667	0.00	0.56	2.067	O	|	|	|	|	1.56
279.583	0.00	0.59	2.308	O	|	|	|	|	1.73	284.750	0.00	0.56	2.063	O	|	|	|	|	1.55
279.667	0.00	0.59	2.304	O	|	|	|	|	1.73	284.833	0.00	0.56	2.059	O	|	|	|	|	1.55
279.750	0.00	0.59	2.300	O	|	|	|	|	1.72	284.917	0.00	0.56	2.055	O	|	|	|	|	1.55
279.833	0.00	0.59	2.296	O	|	|	|	|	1.72	285.000	0.00	0.55	2.052	O	|	|	|	|	1.55
279.917	0.00	0.59	2.292	O	|	|	|	|	1.72	285.083	0.00	0.55	2.048	O	|	|	|	|	1.54
280.000	0.00	0.59	2.288	O	|	|	|	|	1.72	285.167	0.00	0.55	2.044	O	|	|	|	|	1.54
280.083	0.00	0.59	2.284	O	|	|	|	|	1.71	285.250	0.00	0.55	2.040	O	|	|	|	|	1.54
280.167	0.00	0.59	2.280	O	|	|	|	|	1.71	285.333	0.00	0.55	2.036	O	|	|	|	|	1.53
280.250	0.00	0.59	2.276	O	|	|	|	|	1.71	285.417	0.00	0.55	2.032	O	|	|	|	|	1.53
280.333	0.00	0.59	2.272	O	|	|	|	|	1.70	285.500	0.00	0.55	2.029	O	|	|	|	|	1.53
280.417	0.00	0.59	2.268	O	|	|	|	|	1.70	285.583	0.00	0.55	2.025	O	|	|	|	|	1.53
280.500	0.00	0.59	2.264	O	|	|	|	|	1.70	285.667	0.00	0.55	2.021	O	|	|	|	|	1.52
280.583	0.00	0.59	2.260	O	|	|	|	|	1.69	285.750	0.00	0.55	2.017	O	|	|	|	|	1.52
280.667	0.00	0.59	2.256	O	|	|	|	|	1.69	285.833	0.00	0.55	2.014	O	|	|	|	|	1.52
280.750	0.00	0.58	2.252	O	|	|	|	|	1.69	285.917	0.00	0.55	2.010	O	|	|	|	|	1.52
280.833	0.00	0.58	2.248	O	|	|	|	|	1.69	286.000	0.00	0.55	2.006	O	|	|	|	|	1.51
280.917	0.00	0.58	2.244	O	|	|	|	|	1.68	286.083	0.00	0.55	2.002	O	|	|	|	|	1.51
281.000	0.00	0.58	2.239	O	|	|	|	|	1.68	286.167	0.00	0.55	1.998	O	|	|	|	|	1.51
281.083	0.00	0.58	2.235	O	|	|	|	|	1.68	286.250	0.00	0.55	1.995	O	|	|	|	|	1.51
281.167	0.00	0.58	2.231	O	|	|	|	|	1.67	286.333	0.00	0.55	1.991	O	|	|	|	|	1.50
281.250	0.00	0.58	2.227	O	|	|	|	|	1.67	286.417	0.00	0.54	1.987	O	|	|	|	|	1.50
281.333	0.00	0.58	2.223	O	|	|	|	|	1.67	286.500	0.00	0.54	1.983	O	|	|	|	|	1.50
281.417	0.00	0.58	2.219	O	|	|	|	|	1.67	286.583	0.00	0.54	1.980	O	|	|	|	|	1.49
281.500	0.00	0.58	2.215	O	|	|	|	|	1.66	286.667	0.00	0.54	1.976	O	|	|	|	|	1.49
281.583	0.00	0.58	2.211	O	|	|	|	|	1.66	286.750	0.00	0.54	1.972	O	|	|	|	|	1.49
281.667	0.00	0.58	2.208	O	|	|	|	|	1.66	286.833	0.00	0.54	1.968	O	|	|	|	|	1.49
281.750	0.00	0.58	2.204	O	|	|	|	|	1.65	286.917	0.00	0.54	1.965	O	|	|	|	|	1.48
281.833	0.00	0.58	2.200	O	|	|	|	|	1.65	287.000	0.00	0.54	1.961	O	|	|	|	|	1.48
281.917	0.00	0.58	2.196	O	|	|	|	|	1.65	287.083	0.00	0.54	1.957	O	|	|	|	|	1.48
282.000	0.00	0.58	2.192	O	|	|	|	|	1.65	287.167	0.00	0.54	1.954	O	|	|	|	|	1.48

287.250	0.00	0.54	1.950	O	|	|	|	|	1.47	292.417	0.00	0.51	1.727	O	|	|	|	|	1.31
287.333	0.00	0.54	1.946	O	|	|	|	|	1.47	292.500	0.00	0.51	1.723	O	|	|	|	|	1.31
287.417	0.00	0.54	1.942	O	|	|	|	|	1.47	292.583	0.00	0.50	1.720	O	|	|	|	|	1.31
287.500	0.00	0.54	1.939	O	|	|	|	|	1.47	292.667	0.00	0.50	1.716	O	|	|	|	|	1.31
287.583	0.00	0.54	1.935	O	|	|	|	|	1.46	292.750	0.00	0.50	1.713	O	|	|	|	|	1.30
287.667	0.00	0.54	1.931	O	|	|	|	|	1.46	292.833	0.00	0.50	1.709	O	|	|	|	|	1.30
287.750	0.00	0.54	1.928	O	|	|	|	|	1.46	292.917	0.00	0.50	1.706	O	|	|	|	|	1.30
287.833	0.00	0.54	1.924	O	|	|	|	|	1.45	293.000	0.00	0.50	1.702	O	|	|	|	|	1.30
287.917	0.00	0.53	1.920	O	|	|	|	|	1.45	293.083	0.00	0.50	1.699	O	|	|	|	|	1.29
288.000	0.00	0.53	1.917	O	|	|	|	|	1.45	293.167	0.00	0.50	1.696	O	|	|	|	|	1.29
288.083	0.00	0.53	1.913	O	|	|	|	|	1.45	293.250	0.00	0.50	1.692	O	|	|	|	|	1.29
288.167	0.00	0.53	1.909	O	|	|	|	|	1.44	293.333	0.00	0.50	1.689	O	|	|	|	|	1.29
288.250	0.00	0.53	1.906	O	|	|	|	|	1.44	293.417	0.00	0.50	1.685	O	|	|	|	|	1.28
288.333	0.00	0.53	1.902	O	|	|	|	|	1.44	293.500	0.00	0.50	1.682	O	|	|	|	|	1.28
288.417	0.00	0.53	1.898	O	|	|	|	|	1.44	293.583	0.00	0.50	1.678	O	|	|	|	|	1.28
288.500	0.00	0.53	1.895	O	|	|	|	|	1.43	293.667	0.00	0.50	1.675	O	|	|	|	|	1.28
288.583	0.00	0.53	1.891	O	|	|	|	|	1.43	293.750	0.00	0.50	1.671	O	|	|	|	|	1.27
288.667	0.00	0.53	1.887	O	|	|	|	|	1.43	293.833	0.00	0.50	1.668	O	|	|	|	|	1.27
288.750	0.00	0.53	1.884	O	|	|	|	|	1.43	293.917	0.00	0.50	1.665	O	|	|	|	|	1.27
288.833	0.00	0.53	1.880	O	|	|	|	|	1.42	294.000	0.00	0.50	1.661	O	|	|	|	|	1.27
288.917	0.00	0.53	1.876	O	|	|	|	|	1.42	294.083	0.00	0.50	1.658	O	|	|	|	|	1.26
289.000	0.00	0.53	1.873	O	|	|	|	|	1.42	294.167	0.00	0.49	1.654	O	|	|	|	|	1.26
289.083	0.00	0.53	1.869	O	|	|	|	|	1.42	294.250	0.00	0.49	1.651	O	|	|	|	|	1.26
289.167	0.00	0.53	1.865	O	|	|	|	|	1.41	294.333	0.00	0.49	1.648	O	|	|	|	|	1.26
289.250	0.00	0.53	1.862	O	|	|	|	|	1.41	294.417	0.00	0.49	1.644	O	|	|	|	|	1.25
289.333	0.00	0.53	1.858	O	|	|	|	|	1.41	294.500	0.00	0.49	1.641	O	|	|	|	|	1.25
289.417	0.00	0.53	1.855	O	|	|	|	|	1.40	294.583	0.00	0.49	1.637	O	|	|	|	|	1.25
289.500	0.00	0.52	1.851	O	|	|	|	|	1.40	294.667	0.00	0.49	1.634	O	|	|	|	|	1.25
289.583	0.00	0.52	1.847	O	|	|	|	|	1.40	294.750	0.00	0.49	1.631	O	|	|	|	|	1.24
289.667	0.00	0.52	1.844	O	|	|	|	|	1.40	294.833	0.00	0.49	1.627	O	|	|	|	|	1.24
289.750	0.00	0.52	1.840	O	|	|	|	|	1.39	294.917	0.00	0.49	1.624	O	|	|	|	|	1.24
289.833	0.00	0.52	1.836	O	|	|	|	|	1.39	295.000	0.00	0.49	1.620	O	|	|	|	|	1.24
289.917	0.00	0.52	1.833	O	|	|	|	|	1.39	295.083	0.00	0.49	1.617	O	|	|	|	|	1.23
290.000	0.00	0.52	1.829	O	|	|	|	|	1.39	295.167	0.00	0.49	1.614	O	|	|	|	|	1.23
290.083	0.00	0.52	1.826	O	|	|	|	|	1.38	295.250	0.00	0.49	1.610	O	|	|	|	|	1.23
290.167	0.00	0.52	1.822	O	|	|	|	|	1.38	295.333	0.00	0.49	1.607	O	|	|	|	|	1.23
290.250	0.00	0.52	1.819	O	|	|	|	|	1.38	295.417	0.00	0.49	1.604	O	|	|	|	|	1.23
290.333	0.00	0.52	1.815	O	|	|	|	|	1.38	295.500	0.00	0.49	1.600	O	|	|	|	|	1.22
290.417	0.00	0.52	1.811	O	|	|	|	|	1.37	295.583	0.00	0.49	1.597	O	|	|	|	|	1.22
290.500	0.00	0.52	1.808	O	|	|	|	|	1.37	295.667	0.00	0.49	1.594	O	|	|	|	|	1.22
290.583	0.00	0.52	1.804	O	|	|	|	|	1.37	295.750	0.00	0.49	1.590	O	|	|	|	|	1.22
290.667	0.00	0.52	1.801	O	|	|	|	|	1.37	295.833	0.00	0.48	1.587	O	|	|	|	|	1.21
290.750	0.00	0.52	1.797	O	|	|	|	|	1.36	295.917	0.00	0.48	1.584	O	|	|	|	|	1.21
290.833	0.00	0.52	1.794	O	|	|	|	|	1.36	296.000	0.00	0.48	1.580	O	|	|	|	|	1.21
290.917	0.00	0.52	1.790	O	|	|	|	|	1.36	296.083	0.00	0.48	1.577	O	|	|	|	|	1.21
291.000	0.00	0.51	1.786	O	|	|	|	|	1.36	296.167	0.00	0.48	1.574	O	|	|	|	|	1.20
291.083	0.00	0.51	1.783	O	|	|	|	|	1.35	296.250	0.00	0.48	1.570	O	|	|	|	|	1.20
291.167	0.00	0.51	1.779	O	|	|	|	|	1.35	296.333	0.00	0.48	1.567	O	|	|	|	|	1.20
291.250	0.00	0.51	1.776	O	|	|	|	|	1.35	296.417	0.00	0.48	1.564	O	|	|	|	|	1.20
291.333	0.00	0.51	1.772	O	|	|	|	|	1.35	296.500	0.00	0.48	1.560	O	|	|	|	|	1.19
291.417	0.00	0.51	1.769	O	|	|	|	|	1.34	296.583	0.00	0.48	1.557	O	|	|	|	|	1.19
291.500	0.00	0.51	1.765	O	|	|	|	|	1.34	296.667	0.00	0.48	1.554	O	|	|	|	|	1.19
291.583	0.00	0.51	1.762	O	|	|	|	|	1.34	296.750	0.00	0.48	1.550	O	|	|	|	|	1.19
291.667	0.00	0.51	1.758	O	|	|	|	|	1.34	296.833	0.00	0.48	1.547	O	|	|	|	|	1.18
291.750	0.00	0.51	1.755	O	|	|	|	|	1.33	296.917	0.00	0.48	1.544	O	|	|	|	|	1.18
291.833	0.00	0.51	1.751	O	|	|	|	|	1.33	297.000	0.00	0.48	1.541	O	|	|	|	|	1.18
291.917	0.00	0.51	1.748	O	|	|	|	|	1.33	297.083	0.00	0.48	1.537	O	|	|	|	|	1.18
292.000	0.00	0.51	1.744	O	|	|	|	|	1.33	297.167	0.00	0.48	1.534	O	|	|	|	|	1.18
292.083	0.00	0.51	1.741	O	|	|	|	|	1.32	297.250	0.00	0.48	1.531	O	|	|	|	|	1.17
292.167	0.00	0.51	1.737	O	|	|	|	|	1.32	297.333	0.00	0.48	1.527	O	|	|	|	|	1.17
292.250	0.00	0.51	1.734	O	|	|	|	|	1.32	297.417	0.00	0.48	1.524	O	|	|	|	|	1.17
292.333	0.00	0.51	1.730	O	|	|	|	|	1.32	297.500	0.00	0.47	1.521	O	|	|	|	|	1.17

297.583	0.00	0.47	1.518	O	|	|	|	|	1.16	302.750	0.00	0.44	1.321	O	|	|	|	|	1.02
297.667	0.00	0.47	1.514	O	|	|	|	|	1.16	302.833	0.00	0.44	1.318	O	|	|	|	|	1.02
297.750	0.00	0.47	1.511	O	|	|	|	|	1.16	302.917	0.00	0.44	1.315	O	|	|	|	|	1.02
297.833	0.00	0.47	1.508	O	|	|	|	|	1.16	303.000	0.00	0.44	1.312	O	|	|	|	|	1.02
297.917	0.00	0.47	1.505	O	|	|	|	|	1.15	303.083	0.00	0.44	1.309	O	|	|	|	|	1.01
298.000	0.00	0.47	1.501	O	|	|	|	|	1.15	303.167	0.00	0.44	1.306	O	|	|	|	|	1.01
298.083	0.00	0.47	1.498	O	|	|	|	|	1.15	303.250	0.00	0.44	1.303	O	|	|	|	|	1.01
298.167	0.00	0.47	1.495	O	|	|	|	|	1.15	303.333	0.00	0.44	1.300	O	|	|	|	|	1.01
298.250	0.00	0.47	1.492	O	|	|	|	|	1.14	303.417	0.00	0.44	1.297	O	|	|	|	|	1.01
298.333	0.00	0.47	1.488	O	|	|	|	|	1.14	303.500	0.00	0.44	1.294	O	|	|	|	|	1.00
298.417	0.00	0.47	1.485	O	|	|	|	|	1.14	303.583	0.00	0.44	1.291	O	|	|	|	|	1.00
298.500	0.00	0.47	1.482	O	|	|	|	|	1.14	303.667	0.00	0.44	1.288	O	|	|	|	|	1.00
298.583	0.00	0.47	1.479	O	|	|	|	|	1.14	303.750	0.00	0.44	1.285	O	|	|	|	|	1.00
298.667	0.00	0.47	1.475	O	|	|	|	|	1.13	303.833	0.00	0.44	1.282	O	|	|	|	|	0.99
298.750	0.00	0.47	1.472	O	|	|	|	|	1.13	303.917	0.00	0.44	1.279	O	|	|	|	|	0.99
298.833	0.00	0.47	1.469	O	|	|	|	|	1.13	304.000	0.00	0.44	1.276	O	|	|	|	|	0.99
298.917	0.00	0.47	1.466	O	|	|	|	|	1.13	304.083	0.00	0.43	1.273	O	|	|	|	|	0.99
299.000	0.00	0.47	1.463	O	|	|	|	|	1.12	304.167	0.00	0.43	1.270	O	|	|	|	|	0.99
299.083	0.00	0.47	1.459	O	|	|	|	|	1.12	304.250	0.00	0.43	1.267	O	|	|	|	|	0.98
299.167	0.00	0.47	1.456	O	|	|	|	|	1.12	304.333	0.00	0.43	1.264	O	|	|	|	|	0.98
299.250	0.00	0.46	1.453	O	|	|	|	|	1.12	304.417	0.00	0.43	1.261	O	|	|	|	|	0.98
299.333	0.00	0.46	1.450	O	|	|	|	|	1.12	304.500	0.00	0.43	1.258	O	|	|	|	|	0.98
299.417	0.00	0.46	1.446	O	|	|	|	|	1.11	304.583	0.00	0.43	1.255	O	|	|	|	|	0.97
299.500	0.00	0.46	1.443	O	|	|	|	|	1.11	304.667	0.00	0.43	1.252	O	|	|	|	|	0.97
299.583	0.00	0.46	1.440	O	|	|	|	|	1.11	304.750	0.00	0.43	1.249	O	|	|	|	|	0.97
299.667	0.00	0.46	1.437	O	|	|	|	|	1.11	304.833	0.00	0.43	1.246	O	|	|	|	|	0.97
299.750	0.00	0.46	1.434	O	|	|	|	|	1.10	304.917	0.00	0.42	1.243	O	|	|	|	|	0.96
299.833	0.00	0.46	1.431	O	|	|	|	|	1.10	305.000	0.00	0.42	1.240	O	|	|	|	|	0.96
299.917	0.00	0.46	1.427	O	|	|	|	|	1.10	305.083	0.00	0.42	1.237	O	|	|	|	|	0.96
300.000	0.00	0.46	1.424	O	|	|	|	|	1.10	305.167	0.00	0.42	1.234	O	|	|	|	|	0.96
300.083	0.00	0.46	1.421	O	|	|	|	|	1.09	305.250	0.00	0.42	1.232	O	|	|	|	|	0.96
300.167	0.00	0.46	1.418	O	|	|	|	|	1.09	305.333	0.00	0.42	1.229	O	|	|	|	|	0.95
300.250	0.00	0.46	1.415	O	|	|	|	|	1.09	305.417	0.00	0.42	1.226	O	|	|	|	|	0.95
300.333	0.00	0.46	1.412	O	|	|	|	|	1.09	305.500	0.00	0.42	1.223	O	|	|	|	|	0.95
300.417	0.00	0.46	1.408	O	|	|	|	|	1.09	305.583	0.00	0.42	1.220	O	|	|	|	|	0.95
300.500	0.00	0.46	1.405	O	|	|	|	|	1.08	305.667	0.00	0.42	1.217	O	|	|	|	|	0.94
300.583	0.00	0.46	1.402	O	|	|	|	|	1.08	305.750	0.00	0.41	1.214	O	|	|	|	|	0.94
300.667	0.00	0.46	1.399	O	|	|	|	|	1.08	305.833	0.00	0.41	1.211	O	|	|	|	|	0.94
300.750	0.00	0.46	1.396	O	|	|	|	|	1.08	305.917	0.00	0.41	1.209	O	|	|	|	|	0.94
300.833	0.00	0.46	1.393	O	|	|	|	|	1.07	306.000	0.00	0.41	1.206	O	|	|	|	|	0.94
300.917	0.00	0.46	1.390	O	|	|	|	|	1.07	306.083	0.00	0.41	1.203	O	|	|	|	|	0.93
301.000	0.00	0.45	1.386	O	|	|	|	|	1.07	306.167	0.00	0.41	1.200	O	|	|	|	|	0.93
301.083	0.00	0.45	1.383	O	|	|	|	|	1.07	306.250	0.00	0.41	1.197	O	|	|	|	|	0.93
301.167	0.00	0.45	1.380	O	|	|	|	|	1.07	306.333	0.00	0.41	1.195	O	|	|	|	|	0.93
301.250	0.00	0.45	1.377	O	|	|	|	|	1.06	306.417	0.00	0.41	1.192	O	|	|	|	|	0.92
301.333	0.00	0.45	1.374	O	|	|	|	|	1.06	306.500	0.00	0.41	1.189	O	|	|	|	|	0.92
301.417	0.00	0.45	1.371	O	|	|	|	|	1.06	306.583	0.00	0.40	1.186	O	|	|	|	|	0.92
301.500	0.00	0.45	1.368	O	|	|	|	|	1.06	306.667	0.00	0.40	1.183	O	|	|	|	|	0.92
301.583	0.00	0.45	1.365	O	|	|	|	|	1.05	306.750	0.00	0.40	1.181	O	|	|	|	|	0.92
301.667	0.00	0.45	1.361	O	|	|	|	|	1.05	306.833	0.00	0.40	1.178	O	|	|	|	|	0.91
301.750	0.00	0.45	1.358	O	|	|	|	|	1.05	306.917	0.00	0.40	1.175	O	|	|	|	|	0.91
301.833	0.00	0.45	1.355	O	|	|	|	|	1.05	307.000	0.00	0.40	1.172	O	|	|	|	|	0.91
301.917	0.00	0.45	1.352	O	|	|	|	|	1.05	307.083	0.00	0.40	1.170	O	|	|	|	|	0.91
302.000	0.00	0.45	1.349	O	|	|	|	|	1.04	307.167	0.00	0.40	1.167	O	|	|	|	|	0.91
302.083	0.00	0.45	1.346	O	|	|	|	|	1.04	307.250	0.00	0.40	1.164	O	|	|	|	|	0.90
302.167	0.00	0.45	1.343	O	|	|	|	|	1.04	307.333	0.00	0.40	1.161	O	|	|	|	|	0.90
302.250	0.00	0.45	1.340	O	|	|	|	|	1.04	307.417	0.00	0.40	1.159	O	|	|	|	|	0.90
302.333	0.00	0.45	1.337	O	|	|	|	|	1.03	307.500	0.00	0.39	1.156	O	|	|	|	|	0.90
302.417	0.00	0.45	1.334	O	|	|	|	|	1.03	307.583	0.00	0.39	1.153	O	|	|	|	|	0.89
302.500	0.00	0.45	1.331	O	|	|	|	|	1.03	307.667	0.00	0.39	1.150	O	|	|	|	|	0.89
302.583	0.00	0.45	1.328	O	|	|	|	|	1.03	307.750	0.00	0.39	1.148	O	|	|	|	|	0.89
302.667	0.00	0.45	1.324	O	|	|	|	|	1.03	307.833	0.00	0.39	1.145	O	|	|	|	|	0.89

307.917	0.00	0.39	1.142	O	|	|	|	|	0.89	313.083	0.00	0.34	0.987	O	|	|	|	|	0.77
308.000	0.00	0.39	1.140	O	|	|	|	|	0.88	313.167	0.00	0.34	0.985	O	|	|	|	|	0.76
308.083	0.00	0.39	1.137	O	|	|	|	|	0.88	313.250	0.00	0.34	0.983	O	|	|	|	|	0.76
308.167	0.00	0.39	1.134	O	|	|	|	|	0.88	313.333	0.00	0.33	0.980	O	|	|	|	|	0.76
308.250	0.00	0.39	1.132	O	|	|	|	|	0.88	313.417	0.00	0.33	0.978	O	|	|	|	|	0.76
308.333	0.00	0.39	1.129	O	|	|	|	|	0.88	313.500	0.00	0.33	0.976	O	|	|	|	|	0.76
308.417	0.00	0.38	1.126	O	|	|	|	|	0.87	313.583	0.00	0.33	0.974	O	|	|	|	|	0.76
308.500	0.00	0.38	1.124	O	|	|	|	|	0.87	313.667	0.00	0.33	0.971	O	|	|	|	|	0.75
308.583	0.00	0.38	1.121	O	|	|	|	|	0.87	313.750	0.00	0.33	0.969	O	|	|	|	|	0.75
308.667	0.00	0.38	1.118	O	|	|	|	|	0.87	313.833	0.00	0.33	0.967	O	|	|	|	|	0.75
308.750	0.00	0.38	1.116	O	|	|	|	|	0.87	313.917	0.00	0.33	0.964	O	|	|	|	|	0.75
308.833	0.00	0.38	1.113	O	|	|	|	|	0.86	314.000	0.00	0.33	0.962	O	|	|	|	|	0.75
308.917	0.00	0.38	1.111	O	|	|	|	|	0.86	314.083	0.00	0.33	0.960	O	|	|	|	|	0.74
309.000	0.00	0.38	1.108	O	|	|	|	|	0.86	314.167	0.00	0.33	0.958	O	|	|	|	|	0.74
309.083	0.00	0.38	1.105	O	|	|	|	|	0.86	314.250	0.00	0.33	0.955	O	|	|	|	|	0.74
309.167	0.00	0.38	1.103	O	|	|	|	|	0.86	314.333	0.00	0.33	0.953	O	|	|	|	|	0.74
309.250	0.00	0.38	1.100	O	|	|	|	|	0.85	314.417	0.00	0.32	0.951	O	|	|	|	|	0.74
309.333	0.00	0.37	1.098	O	|	|	|	|	0.85	314.500	0.00	0.32	0.949	O	|	|	|	|	0.74
309.417	0.00	0.37	1.095	O	|	|	|	|	0.85	314.583	0.00	0.32	0.946	O	|	|	|	|	0.73
309.500	0.00	0.37	1.092	O	|	|	|	|	0.85	314.667	0.00	0.32	0.944	O	|	|	|	|	0.73
309.583	0.00	0.37	1.090	O	|	|	|	|	0.85	314.750	0.00	0.32	0.942	O	|	|	|	|	0.73
309.667	0.00	0.37	1.087	O	|	|	|	|	0.84	314.833	0.00	0.32	0.940	O	|	|	|	|	0.73
309.750	0.00	0.37	1.085	O	|	|	|	|	0.84	314.917	0.00	0.32	0.938	O	|	|	|	|	0.73
309.833	0.00	0.37	1.082	O	|	|	|	|	0.84	315.000	0.00	0.32	0.935	O	|	|	|	|	0.73
309.917	0.00	0.37	1.080	O	|	|	|	|	0.84	315.083	0.00	0.32	0.933	O	|	|	|	|	0.72
310.000	0.00	0.37	1.077	O	|	|	|	|	0.84	315.167	0.00	0.32	0.931	O	|	|	|	|	0.72
310.083	0.00	0.37	1.075	O	|	|	|	|	0.83	315.250	0.00	0.32	0.929	O	|	|	|	|	0.72
310.167	0.00	0.37	1.072	O	|	|	|	|	0.83	315.333	0.00	0.32	0.927	O	|	|	|	|	0.72
310.250	0.00	0.37	1.070	O	|	|	|	|	0.83	315.417	0.00	0.32	0.925	O	|	|	|	|	0.72
310.333	0.00	0.36	1.067	O	|	|	|	|	0.83	315.500	0.00	0.31	0.922	O	|	|	|	|	0.72
310.417	0.00	0.36	1.065	O	|	|	|	|	0.83	315.583	0.00	0.31	0.920	O	|	|	|	|	0.71
310.500	0.00	0.36	1.062	O	|	|	|	|	0.82	315.667	0.00	0.31	0.918	O	|	|	|	|	0.71
310.583	0.00	0.36	1.060	O	|	|	|	|	0.82	315.750	0.00	0.31	0.916	O	|	|	|	|	0.71
310.667	0.00	0.36	1.057	O	|	|	|	|	0.82	315.833	0.00	0.31	0.914	O	|	|	|	|	0.71
310.750	0.00	0.36	1.055	O	|	|	|	|	0.82	315.917	0.00	0.31	0.912	O	|	|	|	|	0.71
310.833	0.00	0.36	1.052	O	|	|	|	|	0.82	316.000	0.00	0.31	0.909	O	|	|	|	|	0.71
310.917	0.00	0.36	1.050	O	|	|	|	|	0.81	316.083	0.00	0.31	0.907	O	|	|	|	|	0.70
311.000	0.00	0.36	1.047	O	|	|	|	|	0.81	316.167	0.00	0.31	0.905	O	|	|	|	|	0.70
311.083	0.00	0.36	1.045	O	|	|	|	|	0.81	316.250	0.00	0.31	0.903	O	|	|	|	|	0.70
311.167	0.00	0.36	1.042	O	|	|	|	|	0.81	316.333	0.00	0.31	0.901	O	|	|	|	|	0.70
311.250	0.00	0.35	1.040	O	|	|	|	|	0.81	316.417	0.00	0.31	0.899	O	|	|	|	|	0.70
311.333	0.00	0.35	1.037	O	|	|	|	|	0.80	316.500	0.00	0.31	0.897	O	|	|	|	|	0.70
311.417	0.00	0.35	1.035	O	|	|	|	|	0.80	316.583	0.00	0.31	0.895	O	|	|	|	|	0.69
311.500	0.00	0.35	1.033	O	|	|	|	|	0.80	316.667	0.00	0.30	0.892	O	|	|	|	|	0.69
311.583	0.00	0.35	1.030	O	|	|	|	|	0.80	316.750	0.00	0.30	0.890	O	|	|	|	|	0.69
311.667	0.00	0.35	1.028	O	|	|	|	|	0.80	316.833	0.00	0.30	0.888	O	|	|	|	|	0.69
311.750	0.00	0.35	1.025	O	|	|	|	|	0.80	316.917	0.00	0.30	0.886	O	|	|	|	|	0.69
311.833	0.00	0.35	1.023	O	|	|	|	|	0.79	317.000	0.00	0.30	0.884	O	|	|	|	|	0.69
311.917	0.00	0.35	1.020	O	|	|	|	|	0.79	317.083	0.00	0.30	0.882	O	|	|	|	|	0.68
312.000	0.00	0.35	1.018	O	|	|	|	|	0.79	317.167	0.00	0.30	0.880	O	|	|	|	|	0.68
312.083	0.00	0.35	1.016	O	|	|	|	|	0.79	317.250	0.00	0.30	0.878	O	|	|	|	|	0.68
312.167	0.00	0.35	1.013	O	|	|	|	|	0.79	317.333	0.00	0.30	0.876	O	|	|	|	|	0.68
312.250	0.00	0.35	1.011	O	|	|	|	|	0.78	317.417	0.00	0.30	0.874	O	|	|	|	|	0.68
312.333	0.00	0.34	1.009	O	|	|	|	|	0.78	317.500	0.00	0.30	0.872	O	|	|	|	|	0.68
312.417	0.00	0.34	1.006	O	|	|	|	|	0.78	317.583	0.00	0.30	0.870	O	|	|	|	|	0.67
312.500	0.00	0.34	1.004	O	|	|	|	|	0.78	317.667	0.00	0.30	0.868	O	|	|	|	|	0.67
312.583	0.00	0.34	1.001	O	|	|	|	|	0.78	317.750	0.00	0.30	0.866	O	|	|	|	|	0.67
312.667	0.00	0.34	0.999	O	|	|	|	|	0.78	317.833	0.00	0.29	0.864	O	|	|	|	|	0.67
312.750	0.00	0.34	0.997	O	|	|	|	|	0.77	317.917	0.00	0.29	0.862	O	|	|	|	|	0.67
312.833	0.00	0.34	0.994	O	|	|	|	|	0.77	318.000	0.00	0.29	0.860	O	|	|	|	|	0.67
312.917	0.00	0.34	0.992	O	|	|	|	|	0.77	318.083	0.00	0.29	0.858	O	|	|	|	|	0.67
313.000	0.00	0.34	0.990	O	|	|	|	|	0.77	318.167	0.00	0.29	0.855	O	|	|	|	|	0.66

318.250	0.00	0.29	0.853	O	|	|	|	|	0.66	323.417	0.00	0.25	0.738	O	|	|	|	|	0.57
318.333	0.00	0.29	0.851	O	|	|	|	|	0.66	323.500	0.00	0.25	0.736	O	|	|	|	|	0.57
318.417	0.00	0.29	0.849	O	|	|	|	|	0.66	323.583	0.00	0.25	0.734	O	|	|	|	|	0.57
318.500	0.00	0.29	0.847	O	|	|	|	|	0.66	323.667	0.00	0.25	0.733	O	|	|	|	|	0.57
318.583	0.00	0.29	0.845	O	|	|	|	|	0.66	323.750	0.00	0.25	0.731	O	|	|	|	|	0.57
318.667	0.00	0.29	0.844	O	|	|	|	|	0.65	323.833	0.00	0.25	0.729	O	|	|	|	|	0.57
318.750	0.00	0.29	0.842	O	|	|	|	|	0.65	323.917	0.00	0.25	0.727	O	|	|	|	|	0.56
318.833	0.00	0.29	0.840	O	|	|	|	|	0.65	324.000	0.00	0.25	0.726	O	|	|	|	|	0.56
318.917	0.00	0.29	0.838	O	|	|	|	|	0.65	324.083	0.00	0.25	0.724	O	|	|	|	|	0.56
319.000	0.00	0.29	0.836	O	|	|	|	|	0.65	324.167	0.00	0.25	0.722	O	|	|	|	|	0.56
319.083	0.00	0.28	0.834	O	|	|	|	|	0.65	324.250	0.00	0.25	0.721	O	|	|	|	|	0.56
319.167	0.00	0.28	0.832	O	|	|	|	|	0.65	324.333	0.00	0.25	0.719	O	|	|	|	|	0.56
319.250	0.00	0.28	0.830	O	|	|	|	|	0.64	324.417	0.00	0.24	0.717	O	|	|	|	|	0.56
319.333	0.00	0.28	0.828	O	|	|	|	|	0.64	324.500	0.00	0.24	0.716	O	|	|	|	|	0.56
319.417	0.00	0.28	0.826	O	|	|	|	|	0.64	324.583	0.00	0.24	0.714	O	|	|	|	|	0.55
319.500	0.00	0.28	0.824	O	|	|	|	|	0.64	324.667	0.00	0.24	0.712	O	|	|	|	|	0.55
319.583	0.00	0.28	0.822	O	|	|	|	|	0.64	324.750	0.00	0.24	0.710	O	|	|	|	|	0.55
319.667	0.00	0.28	0.820	O	|	|	|	|	0.64	324.833	0.00	0.24	0.709	O	|	|	|	|	0.55
319.750	0.00	0.28	0.818	O	|	|	|	|	0.63	324.917	0.00	0.24	0.707	O	|	|	|	|	0.55
319.833	0.00	0.28	0.816	O	|	|	|	|	0.63	325.000	0.00	0.24	0.706	O	|	|	|	|	0.55
319.917	0.00	0.28	0.814	O	|	|	|	|	0.63	325.083	0.00	0.24	0.704	O	|	|	|	|	0.55
320.000	0.00	0.28	0.812	O	|	|	|	|	0.63	325.167	0.00	0.24	0.702	O	|	|	|	|	0.54
320.083	0.00	0.28	0.810	O	|	|	|	|	0.63	325.250	0.00	0.24	0.701	O	|	|	|	|	0.54
320.167	0.00	0.28	0.809	O	|	|	|	|	0.63	325.333	0.00	0.24	0.699	O	|	|	|	|	0.54
320.250	0.00	0.28	0.807	O	|	|	|	|	0.63	325.417	0.00	0.24	0.697	O	|	|	|	|	0.54
320.333	0.00	0.27	0.805	O	|	|	|	|	0.62	325.500	0.00	0.24	0.696	O	|	|	|	|	0.54
320.417	0.00	0.27	0.803	O	|	|	|	|	0.62	325.583	0.00	0.24	0.694	O	|	|	|	|	0.54
320.500	0.00	0.27	0.801	O	|	|	|	|	0.62	325.667	0.00	0.24	0.692	O	|	|	|	|	0.54
320.583	0.00	0.27	0.799	O	|	|	|	|	0.62	325.750	0.00	0.24	0.691	O	|	|	|	|	0.54
320.667	0.00	0.27	0.797	O	|	|	|	|	0.62	325.833	0.00	0.24	0.689	O	|	|	|	|	0.53
320.750	0.00	0.27	0.795	O	|	|	|	|	0.62	325.917	0.00	0.23	0.687	O	|	|	|	|	0.53
320.833	0.00	0.27	0.793	O	|	|	|	|	0.62	326.000	0.00	0.23	0.686	O	|	|	|	|	0.53
320.917	0.00	0.27	0.792	O	|	|	|	|	0.61	326.083	0.00	0.23	0.684	O	|	|	|	|	0.53
321.000	0.00	0.27	0.790	O	|	|	|	|	0.61	326.167	0.00	0.23	0.683	O	|	|	|	|	0.53
321.083	0.00	0.27	0.788	O	|	|	|	|	0.61	326.250	0.00	0.23	0.681	O	|	|	|	|	0.53
321.167	0.00	0.27	0.786	O	|	|	|	|	0.61	326.333	0.00	0.23	0.679	O	|	|	|	|	0.53
321.250	0.00	0.27	0.784	O	|	|	|	|	0.61	326.417	0.00	0.23	0.678	O	|	|	|	|	0.53
321.333	0.00	0.27	0.782	O	|	|	|	|	0.61	326.500	0.00	0.23	0.676	O	|	|	|	|	0.52
321.417	0.00	0.27	0.781	O	|	|	|	|	0.61	326.583	0.00	0.23	0.675	O	|	|	|	|	0.52
321.500	0.00	0.27	0.779	O	|	|	|	|	0.60	326.667	0.00	0.23	0.673	O	|	|	|	|	0.52
321.583	0.00	0.27	0.777	O	|	|	|	|	0.60	326.750	0.00	0.23	0.672	O	|	|	|	|	0.52
321.667	0.00	0.26	0.775	O	|	|	|	|	0.60	326.833	0.00	0.23	0.670	O	|	|	|	|	0.52
321.750	0.00	0.26	0.773	O	|	|	|	|	0.60	326.917	0.00	0.23	0.668	O	|	|	|	|	0.52
321.833	0.00	0.26	0.771	O	|	|	|	|	0.60	327.000	0.00	0.23	0.667	O	|	|	|	|	0.52
321.917	0.00	0.26	0.770	O	|	|	|	|	0.60	327.083	0.00	0.23	0.665	O	|	|	|	|	0.52
322.000	0.00	0.26	0.768	O	|	|	|	|	0.60	327.167	0.00	0.23	0.664	O	|	|	|	|	0.51
322.083	0.00	0.26	0.766	O	|	|	|	|	0.59	327.250	0.00	0.23	0.662	O	|	|	|	|	0.51
322.167	0.00	0.26	0.764	O	|	|	|	|	0.59	327.333	0.00	0.23	0.661	O	|	|	|	|	0.51
322.250	0.00	0.26	0.762	O	|	|	|	|	0.59	327.417	0.00	0.22	0.659	O	|	|	|	|	0.51
322.333	0.00	0.26	0.761	O	|	|	|	|	0.59	327.500	0.00	0.22	0.657	O	|	|	|	|	0.51
322.417	0.00	0.26	0.759	O	|	|	|	|	0.59	327.583	0.00	0.22	0.656	O	|	|	|	|	0.51
322.500	0.00	0.26	0.757	O	|	|	|	|	0.59	327.667	0.00	0.22	0.654	O	|	|	|	|	0.51
322.583	0.00	0.26	0.755	O	|	|	|	|	0.59	327.750	0.00	0.22	0.653	O	|	|	|	|	0.51
322.667	0.00	0.26	0.754	O	|	|	|	|	0.58	327.833	0.00	0.22	0.651	O	|	|	|	|	0.51
322.750	0.00	0.26	0.752	O	|	|	|	|	0.58	327.917	0.00	0.22	0.650	O	|	|	|	|	0.50
322.833	0.00	0.26	0.750	O	|	|	|	|	0.58	328.000	0.00	0.22	0.648	O	|	|	|	|	0.50
322.917	0.00	0.26	0.748	O	|	|	|	|	0.58	328.083	0.00	0.22	0.647	O	|	|	|	|	0.50
323.000	0.00	0.25	0.746	O	|	|	|	|	0.58	328.167	0.00	0.22	0.645	O	|	|	|	|	0.50
323.083	0.00	0.25	0.745	O	|	|	|	|	0.58	328.250	0.00	0.22	0.644	O	|	|	|	|	0.50
323.167	0.00	0.25	0.743	O	|	|	|	|	0.58	328.333	0.00	0.22	0.642	O	|	|	|	|	0.50
323.250	0.00	0.25	0.741	O	|	|	|	|	0.58	328.417	0.00	0.22	0.641	O	|	|	|	|	0.50
323.333	0.00	0.25	0.739	O	|	|	|	|	0.57	328.500	0.00	0.22	0.639	O	|	|	|	|	0.50

328.583	0.00	0.22	0.638	O	|	|	|	|	0.49	333.750	0.00	0.19	0.551	O	|	|	|	|	0.43
328.667	0.00	0.22	0.636	O	|	|	|	|	0.49	333.833	0.00	0.19	0.550	O	|	|	|	|	0.43
328.750	0.00	0.22	0.635	O	|	|	|	|	0.49	333.917	0.00	0.19	0.549	O	|	|	|	|	0.43
328.833	0.00	0.22	0.633	O	|	|	|	|	0.49	334.000	0.00	0.19	0.547	O	|	|	|	|	0.42
328.917	0.00	0.22	0.632	O	|	|	|	|	0.49	334.083	0.00	0.19	0.546	O	|	|	|	|	0.42
329.000	0.00	0.22	0.630	O	|	|	|	|	0.49	334.167	0.00	0.19	0.545	O	|	|	|	|	0.42
329.083	0.00	0.21	0.629	O	|	|	|	|	0.49	334.250	0.00	0.19	0.543	O	|	|	|	|	0.42
329.167	0.00	0.21	0.627	O	|	|	|	|	0.49	334.333	0.00	0.19	0.542	O	|	|	|	|	0.42
329.250	0.00	0.21	0.626	O	|	|	|	|	0.49	334.417	0.00	0.18	0.541	O	|	|	|	|	0.42
329.333	0.00	0.21	0.624	O	|	|	|	|	0.48	334.500	0.00	0.18	0.540	O	|	|	|	|	0.42
329.417	0.00	0.21	0.623	O	|	|	|	|	0.48	334.583	0.00	0.18	0.538	O	|	|	|	|	0.42
329.500	0.00	0.21	0.621	O	|	|	|	|	0.48	334.667	0.00	0.18	0.537	O	|	|	|	|	0.42
329.583	0.00	0.21	0.620	O	|	|	|	|	0.48	334.750	0.00	0.18	0.536	O	|	|	|	|	0.42
329.667	0.00	0.21	0.618	O	|	|	|	|	0.48	334.833	0.00	0.18	0.535	O	|	|	|	|	0.41
329.750	0.00	0.21	0.617	O	|	|	|	|	0.48	334.917	0.00	0.18	0.533	O	|	|	|	|	0.41
329.833	0.00	0.21	0.616	O	|	|	|	|	0.48	335.000	0.00	0.18	0.532	O	|	|	|	|	0.41
329.917	0.00	0.21	0.614	O	|	|	|	|	0.48	335.083	0.00	0.18	0.531	O	|	|	|	|	0.41
330.000	0.00	0.21	0.613	O	|	|	|	|	0.48	335.167	0.00	0.18	0.530	O	|	|	|	|	0.41
330.083	0.00	0.21	0.611	O	|	|	|	|	0.47	335.250	0.00	0.18	0.528	O	|	|	|	|	0.41
330.167	0.00	0.21	0.610	O	|	|	|	|	0.47	335.333	0.00	0.18	0.527	O	|	|	|	|	0.41
330.250	0.00	0.21	0.608	O	|	|	|	|	0.47	335.417	0.00	0.18	0.526	O	|	|	|	|	0.41
330.333	0.00	0.21	0.607	O	|	|	|	|	0.47	335.500	0.00	0.18	0.525	O	|	|	|	|	0.41
330.417	0.00	0.21	0.606	O	|	|	|	|	0.47	335.583	0.00	0.18	0.523	O	|	|	|	|	0.41
330.500	0.00	0.21	0.604	O	|	|	|	|	0.47	335.667	0.00	0.18	0.522	O	|	|	|	|	0.41
330.583	0.00	0.21	0.603	O	|	|	|	|	0.47	335.750	0.00	0.18	0.521	O	|	|	|	|	0.40
330.667	0.00	0.21	0.601	O	|	|	|	|	0.47	335.833	0.00	0.18	0.520	O	|	|	|	|	0.40
330.750	0.00	0.20	0.600	O	|	|	|	|	0.47	335.917	0.00	0.18	0.519	O	|	|	|	|	0.40
330.833	0.00	0.20	0.598	O	|	|	|	|	0.46	336.000	0.00	0.18	0.517	O	|	|	|	|	0.40
330.917	0.00	0.20	0.597	O	|	|	|	|	0.46	336.083	0.00	0.18	0.516	O	|	|	|	|	0.40
331.000	0.00	0.20	0.596	O	|	|	|	|	0.46	336.167	0.00	0.18	0.515	O	|	|	|	|	0.40
331.083	0.00	0.20	0.594	O	|	|	|	|	0.46	336.250	0.00	0.18	0.514	O	|	|	|	|	0.40
331.167	0.00	0.20	0.593	O	|	|	|	|	0.46	336.333	0.00	0.17	0.512	O	|	|	|	|	0.40
331.250	0.00	0.20	0.591	O	|	|	|	|	0.46	336.417	0.00	0.17	0.511	O	|	|	|	|	0.40
331.333	0.00	0.20	0.590	O	|	|	|	|	0.46	336.500	0.00	0.17	0.510	O	|	|	|	|	0.40
331.417	0.00	0.20	0.589	O	|	|	|	|	0.46	336.583	0.00	0.17	0.509	O	|	|	|	|	0.39
331.500	0.00	0.20	0.587	O	|	|	|	|	0.46	336.667	0.00	0.17	0.508	O	|	|	|	|	0.39
331.583	0.00	0.20	0.586	O	|	|	|	|	0.45	336.750	0.00	0.17	0.506	O	|	|	|	|	0.39
331.667	0.00	0.20	0.585	O	|	|	|	|	0.45	336.833	0.00	0.17	0.505	O	|	|	|	|	0.39
331.750	0.00	0.20	0.583	O	|	|	|	|	0.45	336.917	0.00	0.17	0.504	O	|	|	|	|	0.39
331.833	0.00	0.20	0.582	O	|	|	|	|	0.45	337.000	0.00	0.17	0.503	O	|	|	|	|	0.39
331.917	0.00	0.20	0.580	O	|	|	|	|	0.45	337.083	0.00	0.17	0.502	O	|	|	|	|	0.39
332.000	0.00	0.20	0.579	O	|	|	|	|	0.45	337.167	0.00	0.17	0.501	O	|	|	|	|	0.39
332.083	0.00	0.20	0.578	O	|	|	|	|	0.45	337.250	0.00	0.17	0.499	O	|	|	|	|	0.39
332.167	0.00	0.20	0.576	O	|	|	|	|	0.45	337.333	0.00	0.17	0.498	O	|	|	|	|	0.39
332.250	0.00	0.20	0.575	O	|	|	|	|	0.45	337.417	0.00	0.17	0.497	O	|	|	|	|	0.39
332.333	0.00	0.20	0.574	O	|	|	|	|	0.45	337.500	0.00	0.17	0.496	O	|	|	|	|	0.38
332.417	0.00	0.20	0.572	O	|	|	|	|	0.44	337.583	0.00	0.17	0.495	O	|	|	|	|	0.38
332.500	0.00	0.19	0.571	O	|	|	|	|	0.44	337.667	0.00	0.17	0.494	O	|	|	|	|	0.38
332.583	0.00	0.19	0.570	O	|	|	|	|	0.44	337.750	0.00	0.17	0.492	O	|	|	|	|	0.38
332.667	0.00	0.19	0.568	O	|	|	|	|	0.44	337.833	0.00	0.17	0.491	O	|	|	|	|	0.38
332.750	0.00	0.19	0.567	O	|	|	|	|	0.44	337.917	0.00	0.17	0.490	O	|	|	|	|	0.38
332.833	0.00	0.19	0.566	O	|	|	|	|	0.44	338.000	0.00	0.17	0.489	O	|	|	|	|	0.38
332.917	0.00	0.19	0.564	O	|	|	|	|	0.44	338.083	0.00	0.17	0.488	O	|	|	|	|	0.38
333.000	0.00	0.19	0.563	O	|	|	|	|	0.44	338.167	0.00	0.17	0.487	O	|	|	|	|	0.38
333.083	0.00	0.19	0.562	O	|	|	|	|	0.44	338.250	0.00	0.17	0.485	O	|	|	|	|	0.38
333.167	0.00	0.19	0.560	O	|	|	|	|	0.43	338.333	0.00	0.17	0.484	O	|	|	|	|	0.38
333.250	0.00	0.19	0.559	O	|	|	|	|	0.43	338.417	0.00	0.16	0.483	O	|	|	|	|	0.37
333.333	0.00	0.19	0.558	O	|	|	|	|	0.43	338.500	0.00	0.16	0.482	O	|	|	|	|	0.37
333.417	0.00	0.19	0.556	O	|	|	|	|	0.43	338.583	0.00	0.16	0.481	O	|	|	|	|	0.37
333.500	0.00	0.19	0.555	O	|	|	|	|	0.43	338.667	0.00	0.16	0.480	O	|	|	|	|	0.37
333.583	0.00	0.19	0.554	O	|	|	|	|	0.43	338.750	0.00	0.16	0.479	O	|	|	|	|	0.37
333.667	0.00	0.19	0.552	O	|	|	|	|	0.43	338.833	0.00	0.16	0.478	O	|	|	|	|	0.37

338.917	0.00	0.16	0.476	O	|	|	|	|	0.37	344.083	0.00	0.14	0.412	O	|	|	|	|	0.32
339.000	0.00	0.16	0.475	O	|	|	|	|	0.37	344.167	0.00	0.14	0.411	O	|	|	|	|	0.32
339.083	0.00	0.16	0.474	O	|	|	|	|	0.37	344.250	0.00	0.14	0.410	O	|	|	|	|	0.32
339.167	0.00	0.16	0.473	O	|	|	|	|	0.37	344.333	0.00	0.14	0.409	O	|	|	|	|	0.32
339.250	0.00	0.16	0.472	O	|	|	|	|	0.37	344.417	0.00	0.14	0.408	O	|	|	|	|	0.32
339.333	0.00	0.16	0.471	O	|	|	|	|	0.37	344.500	0.00	0.14	0.407	O	|	|	|	|	0.32
339.417	0.00	0.16	0.470	O	|	|	|	|	0.36	344.583	0.00	0.14	0.406	O	|	|	|	|	0.32
339.500	0.00	0.16	0.469	O	|	|	|	|	0.36	344.667	0.00	0.14	0.405	O	|	|	|	|	0.31
339.583	0.00	0.16	0.468	O	|	|	|	|	0.36	344.750	0.00	0.14	0.404	O	|	|	|	|	0.31
339.667	0.00	0.16	0.466	O	|	|	|	|	0.36	344.833	0.00	0.14	0.403	O	|	|	|	|	0.31
339.750	0.00	0.16	0.465	O	|	|	|	|	0.36	344.917	0.00	0.14	0.402	O	|	|	|	|	0.31
339.833	0.00	0.16	0.464	O	|	|	|	|	0.36	345.000	0.00	0.14	0.401	O	|	|	|	|	0.31
339.917	0.00	0.16	0.463	O	|	|	|	|	0.36	345.083	0.00	0.14	0.400	O	|	|	|	|	0.31
340.000	0.00	0.16	0.462	O	|	|	|	|	0.36	345.167	0.00	0.14	0.399	O	|	|	|	|	0.31
340.083	0.00	0.16	0.461	O	|	|	|	|	0.36	345.250	0.00	0.14	0.398	O	|	|	|	|	0.31
340.167	0.00	0.16	0.460	O	|	|	|	|	0.36	345.333	0.00	0.14	0.398	O	|	|	|	|	0.31
340.250	0.00	0.16	0.459	O	|	|	|	|	0.36	345.417	0.00	0.14	0.397	O	|	|	|	|	0.31
340.333	0.00	0.16	0.458	O	|	|	|	|	0.36	345.500	0.00	0.14	0.396	O	|	|	|	|	0.31
340.417	0.00	0.16	0.457	O	|	|	|	|	0.35	345.583	0.00	0.13	0.395	O	|	|	|	|	0.31
340.500	0.00	0.16	0.456	O	|	|	|	|	0.35	345.667	0.00	0.13	0.394	O	|	|	|	|	0.31
340.583	0.00	0.16	0.455	O	|	|	|	|	0.35	345.750	0.00	0.13	0.393	O	|	|	|	|	0.30
340.667	0.00	0.15	0.453	O	|	|	|	|	0.35	345.833	0.00	0.13	0.392	O	|	|	|	|	0.30
340.750	0.00	0.15	0.452	O	|	|	|	|	0.35	345.917	0.00	0.13	0.391	O	|	|	|	|	0.30
340.833	0.00	0.15	0.451	O	|	|	|	|	0.35	346.000	0.00	0.13	0.390	O	|	|	|	|	0.30
340.917	0.00	0.15	0.450	O	|	|	|	|	0.35	346.083	0.00	0.13	0.389	O	|	|	|	|	0.30
341.000	0.00	0.15	0.449	O	|	|	|	|	0.35	346.167	0.00	0.13	0.388	O	|	|	|	|	0.30
341.083	0.00	0.15	0.448	O	|	|	|	|	0.35	346.250	0.00	0.13	0.387	O	|	|	|	|	0.30
341.167	0.00	0.15	0.447	O	|	|	|	|	0.35	346.333	0.00	0.13	0.386	O	|	|	|	|	0.30
341.250	0.00	0.15	0.446	O	|	|	|	|	0.35	346.417	0.00	0.13	0.386	O	|	|	|	|	0.30
341.333	0.00	0.15	0.445	O	|	|	|	|	0.35	346.500	0.00	0.13	0.385	O	|	|	|	|	0.30
341.417	0.00	0.15	0.444	O	|	|	|	|	0.34	346.583	0.00	0.13	0.384	O	|	|	|	|	0.30
341.500	0.00	0.15	0.443	O	|	|	|	|	0.34	346.667	0.00	0.13	0.383	O	|	|	|	|	0.30
341.583	0.00	0.15	0.442	O	|	|	|	|	0.34	346.750	0.00	0.13	0.382	O	|	|	|	|	0.30
341.667	0.00	0.15	0.441	O	|	|	|	|	0.34	346.833	0.00	0.13	0.381	O	|	|	|	|	0.30
341.750	0.00	0.15	0.440	O	|	|	|	|	0.34	346.917	0.00	0.13	0.380	O	|	|	|	|	0.29
341.833	0.00	0.15	0.439	O	|	|	|	|	0.34	347.000	0.00	0.13	0.379	O	|	|	|	|	0.29
341.917	0.00	0.15	0.438	O	|	|	|	|	0.34	347.083	0.00	0.13	0.378	O	|	|	|	|	0.29
342.000	0.00	0.15	0.437	O	|	|	|	|	0.34	347.167	0.00	0.13	0.377	O	|	|	|	|	0.29
342.083	0.00	0.15	0.436	O	|	|	|	|	0.34	347.250	0.00	0.13	0.377	O	|	|	|	|	0.29
342.167	0.00	0.15	0.435	O	|	|	|	|	0.34	347.333	0.00	0.13	0.376	O	|	|	|	|	0.29
342.250	0.00	0.15	0.434	O	|	|	|	|	0.34	347.417	0.00	0.13	0.375	O	|	|	|	|	0.29
342.333	0.00	0.15	0.433	O	|	|	|	|	0.34	347.500	0.00	0.13	0.374	O	|	|	|	|	0.29
342.417	0.00	0.15	0.432	O	|	|	|	|	0.33	347.583	0.00	0.13	0.373	O	|	|	|	|	0.29
342.500	0.00	0.15	0.431	O	|	|	|	|	0.33	347.667	0.00	0.13	0.372	O	|	|	|	|	0.29
342.583	0.00	0.15	0.430	O	|	|	|	|	0.33	347.750	0.00	0.13	0.371	O	|	|	|	|	0.29
342.667	0.00	0.15	0.429	O	|	|	|	|	0.33	347.833	0.00	0.13	0.370	O	|	|	|	|	0.29
342.750	0.00	0.15	0.428	O	|	|	|	|	0.33	347.917	0.00	0.13	0.370	O	|	|	|	|	0.29
342.833	0.00	0.15	0.427	O	|	|	|	|	0.33	348.000	0.00	0.13	0.369	O	|	|	|	|	0.29
342.917	0.00	0.15	0.426	O	|	|	|	|	0.33	348.083	0.00	0.13	0.368	O	|	|	|	|	0.29
343.000	0.00	0.14	0.425	O	|	|	|	|	0.33	348.167	0.00	0.13	0.367	O	|	|	|	|	0.28
343.083	0.00	0.14	0.424	O	|	|	|	|	0.33	348.250	0.00	0.12	0.366	O	|	|	|	|	0.28
343.167	0.00	0.14	0.423	O	|	|	|	|	0.33	348.333	0.00	0.12	0.365	O	|	|	|	|	0.28
343.250	0.00	0.14	0.422	O	|	|	|	|	0.33	348.417	0.00	0.12	0.364	O	|	|	|	|	0.28
343.333	0.00	0.14	0.421	O	|	|	|	|	0.33	348.500	0.00	0.12	0.364	O	|	|	|	|	0.28
343.417	0.00	0.14	0.420	O	|	|	|	|	0.33	348.583	0.00	0.12	0.363	O	|	|	|	|	0.28
343.500	0.00	0.14	0.419	O	|	|	|	|	0.32	348.667	0.00	0.12	0.362	O	|	|	|	|	0.28
343.583	0.00	0.14	0.418	O	|	|	|	|	0.32	348.750	0.00	0.12	0.361	O	|	|	|	|	0.28
343.667	0.00	0.14	0.417	O	|	|	|	|	0.32	348.833	0.00	0.12	0.360	O	|	|	|	|	0.28
343.750	0.00	0.14	0.416	O	|	|	|	|	0.32	348.917	0.00	0.12	0.359	O	|	|	|	|	0.28
343.833	0.00	0.14	0.415	O	|	|	|	|	0.32	349.000	0.00	0.12	0.358	O	|	|	|	|	0.28
343.917	0.00	0.14	0.414	O	|	|	|	|	0.32	349.083	0.00	0.12	0.358	O	|	|	|	|	0.28
344.000	0.00	0.14	0.413	O	|	|	|	|	0.32	349.167	0.00	0.12	0.357	O	|	|	|	|	0.28

349.250	0.00	0.12	0.356	O					0.28	354.417	0.00	0.11	0.308	O					0.24
349.333	0.00	0.12	0.355	O					0.28	354.500	0.00	0.10	0.307	O					0.24
349.417	0.00	0.12	0.354	O					0.27	354.583	0.00	0.10	0.306	O					0.24
349.500	0.00	0.12	0.353	O					0.27	354.667	0.00	0.10	0.306	O					0.24
349.583	0.00	0.12	0.353	O					0.27	354.750	0.00	0.10	0.305	O					0.24
349.667	0.00	0.12	0.352	O					0.27	354.833	0.00	0.10	0.304	O					0.24
349.750	0.00	0.12	0.351	O					0.27	354.917	0.00	0.10	0.303	O					0.24
349.833	0.00	0.12	0.350	O					0.27	355.000	0.00	0.10	0.303	O					0.23
349.917	0.00	0.12	0.349	O					0.27	355.083	0.00	0.10	0.302	O					0.23
350.000	0.00	0.12	0.349	O					0.27	355.167	0.00	0.10	0.301	O					0.23
350.083	0.00	0.12	0.348	O					0.27	355.250	0.00	0.10	0.301	O					0.23
350.167	0.00	0.12	0.347	O					0.27	355.333	0.00	0.10	0.300	O					0.23
350.250	0.00	0.12	0.346	O					0.27	355.417	0.00	0.10	0.299	O					0.23
350.333	0.00	0.12	0.345	O					0.27	355.500	0.00	0.10	0.298	O					0.23
350.417	0.00	0.12	0.344	O					0.27	355.583	0.00	0.10	0.298	O					0.23
350.500	0.00	0.12	0.344	O					0.27	355.667	0.00	0.10	0.297	O					0.23
350.583	0.00	0.12	0.343	O					0.27	355.750	0.00	0.10	0.296	O					0.23
350.667	0.00	0.12	0.342	O					0.27	355.833	0.00	0.10	0.296	O					0.23
350.750	0.00	0.12	0.341	O					0.26	355.917	0.00	0.10	0.295	O					0.23
350.833	0.00	0.12	0.340	O					0.26	356.000	0.00	0.10	0.294	O					0.23
350.917	0.00	0.12	0.340	O					0.26	356.083	0.00	0.10	0.294	O					0.23
351.000	0.00	0.12	0.339	O					0.26	356.167	0.00	0.10	0.293	O					0.23
351.083	0.00	0.12	0.338	O					0.26	356.250	0.00	0.10	0.292	O					0.23
351.167	0.00	0.12	0.337	O					0.26	356.333	0.00	0.10	0.291	O					0.23
351.250	0.00	0.11	0.336	O					0.26	356.417	0.00	0.10	0.291	O					0.23
351.333	0.00	0.11	0.336	O					0.26	356.500	0.00	0.10	0.290	O					0.23
351.417	0.00	0.11	0.335	O					0.26	356.583	0.00	0.10	0.289	O					0.22
351.500	0.00	0.11	0.334	O					0.26	356.667	0.00	0.10	0.289	O					0.22
351.583	0.00	0.11	0.333	O					0.26	356.750	0.00	0.10	0.288	O					0.22
351.667	0.00	0.11	0.332	O					0.26	356.833	0.00	0.10	0.287	O					0.22
351.750	0.00	0.11	0.332	O					0.26	356.917	0.00	0.10	0.287	O					0.22
351.833	0.00	0.11	0.331	O					0.26	357.000	0.00	0.10	0.286	O					0.22
351.917	0.00	0.11	0.330	O					0.26	357.083	0.00	0.10	0.285	O					0.22
352.000	0.00	0.11	0.329	O					0.26	357.167	0.00	0.10	0.285	O					0.22
352.083	0.00	0.11	0.329	O					0.25	357.250	0.00	0.10	0.284	O					0.22
352.167	0.00	0.11	0.328	O					0.25	357.333	0.00	0.10	0.283	O					0.22
352.250	0.00	0.11	0.327	O					0.25	357.417	0.00	0.10	0.283	O					0.22
352.333	0.00	0.11	0.326	O					0.25	357.500	0.00	0.10	0.282	O					0.22
352.417	0.00	0.11	0.326	O					0.25	357.583	0.00	0.10	0.281	O					0.22
352.500	0.00	0.11	0.325	O					0.25	357.667	0.00	0.10	0.281	O					0.22
352.583	0.00	0.11	0.324	O					0.25	357.750	0.00	0.10	0.280	O					0.22
352.667	0.00	0.11	0.323	O					0.25	357.833	0.00	0.10	0.279	O					0.22
352.750	0.00	0.11	0.322	O					0.25	357.917	0.00	0.10	0.279	O					0.22
352.833	0.00	0.11	0.322	O					0.25	358.000	0.00	0.09	0.278	O					0.22
352.917	0.00	0.11	0.321	O					0.25	358.083	0.00	0.09	0.277	O					0.22
353.000	0.00	0.11	0.320	O					0.25	358.167	0.00	0.09	0.277	O					0.21
353.083	0.00	0.11	0.319	O					0.25	358.250	0.00	0.09	0.276	O					0.21
353.167	0.00	0.11	0.319	O					0.25	358.333	0.00	0.09	0.275	O					0.21
353.250	0.00	0.11	0.318	O					0.25	358.417	0.00	0.09	0.275	O					0.21
353.333	0.00	0.11	0.317	O					0.25	358.500	0.00	0.09	0.274	O					0.21
353.417	0.00	0.11	0.316	O					0.25	358.583	0.00	0.09	0.274	O					0.21
353.500	0.00	0.11	0.316	O					0.24	358.667	0.00	0.09	0.273	O					0.21
353.583	0.00	0.11	0.315	O					0.24	358.750	0.00	0.09	0.272	O					0.21
353.667	0.00	0.11	0.314	O					0.24	358.833	0.00	0.09	0.272	O					0.21
353.750	0.00	0.11	0.314	O					0.24	358.917	0.00	0.09	0.271	O					0.21
353.833	0.00	0.11	0.313	O					0.24	359.000	0.00	0.09	0.270	O					0.21
353.917	0.00	0.11	0.312	O					0.24	359.083	0.00	0.09	0.270	O					0.21
354.000	0.00	0.11	0.311	O					0.24	359.167	0.00	0.09	0.269	O					0.21
354.083	0.00	0.11	0.311	O					0.24	359.250	0.00	0.09	0.268	O					0.21
354.167	0.00	0.11	0.310	O					0.24	359.333	0.00	0.09	0.268	O					0.21
354.250	0.00	0.11	0.309	O					0.24	359.417	0.00	0.09	0.267	O					0.21
354.333	0.00	0.11	0.308	O					0.24	359.500	0.00	0.09	0.267	O					0.21

359.583	0.00	0.09	0.266	O	|	|	|	|	0.21	364.750	0.00	0.08	0.230	O	|	|	|	|	0.18
359.667	0.00	0.09	0.265	O	|	|	|	|	0.21	364.833	0.00	0.08	0.229	O	|	|	|	|	0.18
359.750	0.00	0.09	0.265	O	|	|	|	|	0.21	364.917	0.00	0.08	0.229	O	|	|	|	|	0.18
359.833	0.00	0.09	0.264	O	|	|	|	|	0.20	365.000	0.00	0.08	0.228	O	|	|	|	|	0.18
359.917	0.00	0.09	0.263	O	|	|	|	|	0.20	365.083	0.00	0.08	0.228	O	|	|	|	|	0.18
360.000	0.00	0.09	0.263	O	|	|	|	|	0.20	365.167	0.00	0.08	0.227	O	|	|	|	|	0.18
360.083	0.00	0.09	0.262	O	|	|	|	|	0.20	365.250	0.00	0.08	0.227	O	|	|	|	|	0.18
360.167	0.00	0.09	0.262	O	|	|	|	|	0.20	365.333	0.00	0.08	0.226	O	|	|	|	|	0.18
360.250	0.00	0.09	0.261	O	|	|	|	|	0.20	365.417	0.00	0.08	0.226	O	|	|	|	|	0.18
360.333	0.00	0.09	0.260	O	|	|	|	|	0.20	365.500	0.00	0.08	0.225	O	|	|	|	|	0.17
360.417	0.00	0.09	0.260	O	|	|	|	|	0.20	365.583	0.00	0.08	0.225	O	|	|	|	|	0.17
360.500	0.00	0.09	0.259	O	|	|	|	|	0.20	365.667	0.00	0.08	0.224	O	|	|	|	|	0.17
360.583	0.00	0.09	0.259	O	|	|	|	|	0.20	365.750	0.00	0.08	0.223	O	|	|	|	|	0.17
360.667	0.00	0.09	0.258	O	|	|	|	|	0.20	365.833	0.00	0.08	0.223	O	|	|	|	|	0.17
360.750	0.00	0.09	0.257	O	|	|	|	|	0.20	365.917	0.00	0.08	0.222	O	|	|	|	|	0.17
360.833	0.00	0.09	0.257	O	|	|	|	|	0.20	366.000	0.00	0.08	0.222	O	|	|	|	|	0.17
360.917	0.00	0.09	0.256	O	|	|	|	|	0.20	366.083	0.00	0.08	0.221	O	|	|	|	|	0.17
361.000	0.00	0.09	0.256	O	|	|	|	|	0.20	366.167	0.00	0.08	0.221	O	|	|	|	|	0.17
361.083	0.00	0.09	0.255	O	|	|	|	|	0.20	366.250	0.00	0.08	0.220	O	|	|	|	|	0.17
361.167	0.00	0.09	0.254	O	|	|	|	|	0.20	366.333	0.00	0.08	0.220	O	|	|	|	|	0.17
361.250	0.00	0.09	0.254	O	|	|	|	|	0.20	366.417	0.00	0.07	0.219	O	|	|	|	|	0.17
361.333	0.00	0.09	0.253	O	|	|	|	|	0.20	366.500	0.00	0.07	0.219	O	|	|	|	|	0.17
361.417	0.00	0.09	0.253	O	|	|	|	|	0.20	366.583	0.00	0.07	0.218	O	|	|	|	|	0.17
361.500	0.00	0.09	0.252	O	|	|	|	|	0.20	366.667	0.00	0.07	0.218	O	|	|	|	|	0.17
361.583	0.00	0.09	0.251	O	|	|	|	|	0.19	366.750	0.00	0.07	0.217	O	|	|	|	|	0.17
361.667	0.00	0.09	0.251	O	|	|	|	|	0.19	366.833	0.00	0.07	0.217	O	|	|	|	|	0.17
361.750	0.00	0.09	0.250	O	|	|	|	|	0.19	366.917	0.00	0.07	0.216	O	|	|	|	|	0.17
361.833	0.00	0.09	0.250	O	|	|	|	|	0.19	367.000	0.00	0.07	0.216	O	|	|	|	|	0.17
361.917	0.00	0.08	0.249	O	|	|	|	|	0.19	367.083	0.00	0.07	0.215	O	|	|	|	|	0.17
362.000	0.00	0.08	0.248	O	|	|	|	|	0.19	367.167	0.00	0.07	0.215	O	|	|	|	|	0.17
362.083	0.00	0.08	0.248	O	|	|	|	|	0.19	367.250	0.00	0.07	0.214	O	|	|	|	|	0.17
362.167	0.00	0.08	0.247	O	|	|	|	|	0.19	367.333	0.00	0.07	0.214	O	|	|	|	|	0.17
362.250	0.00	0.08	0.247	O	|	|	|	|	0.19	367.417	0.00	0.07	0.213	O	|	|	|	|	0.17
362.333	0.00	0.08	0.246	O	|	|	|	|	0.19	367.500	0.00	0.07	0.213	O	|	|	|	|	0.17
362.417	0.00	0.08	0.246	O	|	|	|	|	0.19	367.583	0.00	0.07	0.212	O	|	|	|	|	0.16
362.500	0.00	0.08	0.245	O	|	|	|	|	0.19	367.667	0.00	0.07	0.212	O	|	|	|	|	0.16
362.583	0.00	0.08	0.244	O	|	|	|	|	0.19	367.750	0.00	0.07	0.211	O	|	|	|	|	0.16
362.667	0.00	0.08	0.244	O	|	|	|	|	0.19	367.833	0.00	0.07	0.211	O	|	|	|	|	0.16
362.750	0.00	0.08	0.243	O	|	|	|	|	0.19	367.917	0.00	0.07	0.210	O	|	|	|	|	0.16
362.833	0.00	0.08	0.243	O	|	|	|	|	0.19	368.000	0.00	0.07	0.210	O	|	|	|	|	0.16
362.917	0.00	0.08	0.242	O	|	|	|	|	0.19	368.083	0.00	0.07	0.209	O	|	|	|	|	0.16
363.000	0.00	0.08	0.242	O	|	|	|	|	0.19	368.167	0.00	0.07	0.209	O	|	|	|	|	0.16
363.083	0.00	0.08	0.241	O	|	|	|	|	0.19	368.250	0.00	0.07	0.208	O	|	|	|	|	0.16
363.167	0.00	0.08	0.240	O	|	|	|	|	0.19	368.333	0.00	0.07	0.208	O	|	|	|	|	0.16
363.250	0.00	0.08	0.240	O	|	|	|	|	0.19	368.417	0.00	0.07	0.207	O	|	|	|	|	0.16
363.333	0.00	0.08	0.239	O	|	|	|	|	0.19	368.500	0.00	0.07	0.207	O	|	|	|	|	0.16
363.417	0.00	0.08	0.239	O	|	|	|	|	0.19	368.583	0.00	0.07	0.206	O	|	|	|	|	0.16
363.500	0.00	0.08	0.238	O	|	|	|	|	0.18	368.667	0.00	0.07	0.206	O	|	|	|	|	0.16
363.583	0.00	0.08	0.238	O	|	|	|	|	0.18	368.750	0.00	0.07	0.205	O	|	|	|	|	0.16
363.667	0.00	0.08	0.237	O	|	|	|	|	0.18	368.833	0.00	0.07	0.205	O	|	|	|	|	0.16
363.750	0.00	0.08	0.236	O	|	|	|	|	0.18	368.917	0.00	0.07	0.204	O	|	|	|	|	0.16
363.833	0.00	0.08	0.236	O	|	|	|	|	0.18	369.000	0.00	0.07	0.204	O	|	|	|	|	0.16
363.917	0.00	0.08	0.235	O	|	|	|	|	0.18	369.083	0.00	0.07	0.203	O	|	|	|	|	0.16
364.000	0.00	0.08	0.235	O	|	|	|	|	0.18	369.167	0.00	0.07	0.203	O	|	|	|	|	0.16
364.083	0.00	0.08	0.234	O	|	|	|	|	0.18	369.250	0.00	0.07	0.202	O	|	|	|	|	0.16
364.167	0.00	0.08	0.234	O	|	|	|	|	0.18	369.333	0.00	0.07	0.202	O	|	|	|	|	0.16
364.250	0.00	0.08	0.233	O	|	|	|	|	0.18	369.417	0.00	0.07	0.202	O	|	|	|	|	0.16
364.333	0.00	0.08	0.233	O	|	|	|	|	0.18	369.500	0.00	0.07	0.201	O	|	|	|	|	0.16
364.417	0.00	0.08	0.232	O	|	|	|	|	0.18	369.583	0.00	0.07	0.201	O	|	|	|	|	0.16
364.500	0.00	0.08	0.232	O	|	|	|	|	0.18	369.667	0.00	0.07	0.200	O	|	|	|	|	0.16
364.583	0.00	0.08	0.231	O	|	|	|	|	0.18	369.750	0.00	0.07	0.200	O	|	|	|	|	0.15
364.667	0.00	0.08	0.230	O	|	|	|	|	0.18	369.833	0.00	0.07	0.199	O	|	|	|	|	0.15

369.917	0.00	0.07	0.199	O	|	|	|	|	0.15	375.083	0.00	0.06	0.172	O	|	|	|	|	0.13
370.000	0.00	0.07	0.198	O	|	|	|	|	0.15	375.167	0.00	0.06	0.171	O	|	|	|	|	0.13
370.083	0.00	0.07	0.198	O	|	|	|	|	0.15	375.250	0.00	0.06	0.171	O	|	|	|	|	0.13
370.167	0.00	0.07	0.197	O	|	|	|	|	0.15	375.333	0.00	0.06	0.171	O	|	|	|	|	0.13
370.250	0.00	0.07	0.197	O	|	|	|	|	0.15	375.417	0.00	0.06	0.170	O	|	|	|	|	0.13
370.333	0.00	0.07	0.196	O	|	|	|	|	0.15	375.500	0.00	0.06	0.170	O	|	|	|	|	0.13
370.417	0.00	0.07	0.196	O	|	|	|	|	0.15	375.583	0.00	0.06	0.169	O	|	|	|	|	0.13
370.500	0.00	0.07	0.195	O	|	|	|	|	0.15	375.667	0.00	0.06	0.169	O	|	|	|	|	0.13
370.583	0.00	0.07	0.195	O	|	|	|	|	0.15	375.750	0.00	0.06	0.169	O	|	|	|	|	0.13
370.667	0.00	0.07	0.195	O	|	|	|	|	0.15	375.833	0.00	0.06	0.168	O	|	|	|	|	0.13
370.750	0.00	0.07	0.194	O	|	|	|	|	0.15	375.917	0.00	0.06	0.168	O	|	|	|	|	0.13
370.833	0.00	0.07	0.194	O	|	|	|	|	0.15	376.000	0.00	0.06	0.167	O	|	|	|	|	0.13
370.917	0.00	0.07	0.193	O	|	|	|	|	0.15	376.083	0.00	0.06	0.167	O	|	|	|	|	0.13
371.000	0.00	0.07	0.193	O	|	|	|	|	0.15	376.167	0.00	0.06	0.167	O	|	|	|	|	0.13
371.083	0.00	0.07	0.192	O	|	|	|	|	0.15	376.250	0.00	0.06	0.166	O	|	|	|	|	0.13
371.167	0.00	0.07	0.192	O	|	|	|	|	0.15	376.333	0.00	0.06	0.166	O	|	|	|	|	0.13
371.250	0.00	0.07	0.191	O	|	|	|	|	0.15	376.417	0.00	0.06	0.165	O	|	|	|	|	0.13
371.333	0.00	0.07	0.191	O	|	|	|	|	0.15	376.500	0.00	0.06	0.165	O	|	|	|	|	0.13
371.417	0.00	0.07	0.190	O	|	|	|	|	0.15	376.583	0.00	0.06	0.165	O	|	|	|	|	0.13
371.500	0.00	0.06	0.190	O	|	|	|	|	0.15	376.667	0.00	0.06	0.164	O	|	|	|	|	0.13
371.583	0.00	0.06	0.190	O	|	|	|	|	0.15	376.750	0.00	0.06	0.164	O	|	|	|	|	0.13
371.667	0.00	0.06	0.189	O	|	|	|	|	0.15	376.833	0.00	0.06	0.163	O	|	|	|	|	0.13
371.750	0.00	0.06	0.189	O	|	|	|	|	0.15	376.917	0.00	0.06	0.163	O	|	|	|	|	0.13
371.833	0.00	0.06	0.188	O	|	|	|	|	0.15	377.000	0.00	0.06	0.163	O	|	|	|	|	0.13
371.917	0.00	0.06	0.188	O	|	|	|	|	0.15	377.083	0.00	0.06	0.162	O	|	|	|	|	0.13
372.000	0.00	0.06	0.187	O	|	|	|	|	0.15	377.167	0.00	0.06	0.162	O	|	|	|	|	0.13
372.083	0.00	0.06	0.187	O	|	|	|	|	0.15	377.250	0.00	0.06	0.162	O	|	|	|	|	0.13
372.167	0.00	0.06	0.186	O	|	|	|	|	0.14	377.333	0.00	0.06	0.161	O	|	|	|	|	0.13
372.250	0.00	0.06	0.186	O	|	|	|	|	0.14	377.417	0.00	0.05	0.161	O	|	|	|	|	0.12
372.333	0.00	0.06	0.186	O	|	|	|	|	0.14	377.500	0.00	0.05	0.160	O	|	|	|	|	0.12
372.417	0.00	0.06	0.185	O	|	|	|	|	0.14	377.583	0.00	0.05	0.160	O	|	|	|	|	0.12
372.500	0.00	0.06	0.185	O	|	|	|	|	0.14	377.667	0.00	0.05	0.160	O	|	|	|	|	0.12
372.583	0.00	0.06	0.184	O	|	|	|	|	0.14	377.750	0.00	0.05	0.159	O	|	|	|	|	0.12
372.667	0.00	0.06	0.184	O	|	|	|	|	0.14	377.833	0.00	0.05	0.159	O	|	|	|	|	0.12
372.750	0.00	0.06	0.183	O	|	|	|	|	0.14	377.917	0.00	0.05	0.159	O	|	|	|	|	0.12
372.833	0.00	0.06	0.183	O	|	|	|	|	0.14	378.000	0.00	0.05	0.158	O	|	|	|	|	0.12
372.917	0.00	0.06	0.183	O	|	|	|	|	0.14	378.083	0.00	0.05	0.158	O	|	|	|	|	0.12
373.000	0.00	0.06	0.182	O	|	|	|	|	0.14	378.167	0.00	0.05	0.157	O	|	|	|	|	0.12
373.083	0.00	0.06	0.182	O	|	|	|	|	0.14	378.250	0.00	0.05	0.157	O	|	|	|	|	0.12
373.167	0.00	0.06	0.181	O	|	|	|	|	0.14	378.333	0.00	0.05	0.157	O	|	|	|	|	0.12
373.250	0.00	0.06	0.181	O	|	|	|	|	0.14	378.417	0.00	0.05	0.156	O	|	|	|	|	0.12
373.333	0.00	0.06	0.180	O	|	|	|	|	0.14	378.500	0.00	0.05	0.156	O	|	|	|	|	0.12
373.417	0.00	0.06	0.180	O	|	|	|	|	0.14	378.583	0.00	0.05	0.156	O	|	|	|	|	0.12
373.500	0.00	0.06	0.180	O	|	|	|	|	0.14	378.667	0.00	0.05	0.155	O	|	|	|	|	0.12
373.583	0.00	0.06	0.179	O	|	|	|	|	0.14	378.750	0.00	0.05	0.155	O	|	|	|	|	0.12
373.667	0.00	0.06	0.179	O	|	|	|	|	0.14	378.833	0.00	0.05	0.155	O	|	|	|	|	0.12
373.750	0.00	0.06	0.178	O	|	|	|	|	0.14	378.917	0.00	0.05	0.154	O	|	|	|	|	0.12
373.833	0.00	0.06	0.178	O	|	|	|	|	0.14	379.000	0.00	0.05	0.154	O	|	|	|	|	0.12
373.917	0.00	0.06	0.177	O	|	|	|	|	0.14	379.083	0.00	0.05	0.153	O	|	|	|	|	0.12
374.000	0.00	0.06	0.177	O	|	|	|	|	0.14	379.167	0.00	0.05	0.153	O	|	|	|	|	0.12
374.083	0.00	0.06	0.177	O	|	|	|	|	0.14	379.250	0.00	0.05	0.153	O	|	|	|	|	0.12
374.167	0.00	0.06	0.176	O	|	|	|	|	0.14	379.333	0.00	0.05	0.152	O	|	|	|	|	0.12
374.250	0.00	0.06	0.176	O	|	|	|	|	0.14	379.417	0.00	0.05	0.152	O	|	|	|	|	0.12
374.333	0.00	0.06	0.175	O	|	|	|	|	0.14	379.500	0.00	0.05	0.152	O	|	|	|	|	0.12
374.417	0.00	0.06	0.175	O	|	|	|	|	0.14	379.583	0.00	0.05	0.151	O	|	|	|	|	0.12
374.500	0.00	0.06	0.175	O	|	|	|	|	0.14	379.667	0.00	0.05	0.151	O	|	|	|	|	0.12
374.583	0.00	0.06	0.174	O	|	|	|	|	0.14	379.750	0.00	0.05	0.151	O	|	|	|	|	0.12
374.667	0.00	0.06	0.174	O	|	|	|	|	0.13	379.833	0.00	0.05	0.150	O	|	|	|	|	0.12
374.750	0.00	0.06	0.173	O	|	|	|	|	0.13	379.917	0.00	0.05	0.150	O	|	|	|	|	0.12
374.833	0.00	0.06	0.173	O	|	|	|	|	0.13	380.000	0.00	0.05	0.150	O	|	|	|	|	0.12
374.917	0.00	0.06	0.173	O	|	|	|	|	0.13	380.083	0.00	0.05	0.149	O	|	|	|	|	0.12
375.000	0.00	0.06	0.172	O	|	|	|	|	0.13	380.167	0.00	0.05	0.149	O	|	|	|	|	0.12

380.250	0.00	0.05	0.148	O					0.12	385.417	0.00	0.04	0.128	O					0.10
380.333	0.00	0.05	0.148	O					0.11	385.500	0.00	0.04	0.128	O					0.10
380.417	0.00	0.05	0.148	O					0.11	385.583	0.00	0.04	0.128	O					0.10
380.500	0.00	0.05	0.147	O					0.11	385.667	0.00	0.04	0.127	O					0.10
380.583	0.00	0.05	0.147	O					0.11	385.750	0.00	0.04	0.127	O					0.10
380.667	0.00	0.05	0.147	O					0.11	385.833	0.00	0.04	0.127	O					0.10
380.750	0.00	0.05	0.146	O					0.11	385.917	0.00	0.04	0.127	O					0.10
380.833	0.00	0.05	0.146	O					0.11	386.000	0.00	0.04	0.126	O					0.10
380.917	0.00	0.05	0.146	O					0.11	386.083	0.00	0.04	0.126	O					0.10
381.000	0.00	0.05	0.145	O					0.11	386.167	0.00	0.04	0.126	O					0.10
381.083	0.00	0.05	0.145	O					0.11	386.250	0.00	0.04	0.125	O					0.10
381.167	0.00	0.05	0.145	O					0.11	386.333	0.00	0.04	0.125	O					0.10
381.250	0.00	0.05	0.144	O					0.11	386.417	0.00	0.04	0.125	O					0.10
381.333	0.00	0.05	0.144	O					0.11	386.500	0.00	0.04	0.124	O					0.10
381.417	0.00	0.05	0.144	O					0.11	386.583	0.00	0.04	0.124	O					0.10
381.500	0.00	0.05	0.143	O					0.11	386.667	0.00	0.04	0.124	O					0.10
381.583	0.00	0.05	0.143	O					0.11	386.750	0.00	0.04	0.124	O					0.10
381.667	0.00	0.05	0.143	O					0.11	386.833	0.00	0.04	0.123	O					0.10
381.750	0.00	0.05	0.142	O					0.11	386.917	0.00	0.04	0.123	O					0.10
381.833	0.00	0.05	0.142	O					0.11	387.000	0.00	0.04	0.123	O					0.10
381.917	0.00	0.05	0.142	O					0.11	387.083	0.00	0.04	0.122	O					0.09
382.000	0.00	0.05	0.141	O					0.11	387.167	0.00	0.04	0.122	O					0.09
382.083	0.00	0.05	0.141	O					0.11	387.250	0.00	0.04	0.122	O					0.09
382.167	0.00	0.05	0.141	O					0.11	387.333	0.00	0.04	0.122	O					0.09
382.250	0.00	0.05	0.140	O					0.11	387.417	0.00	0.04	0.121	O					0.09
382.333	0.00	0.05	0.140	O					0.11	387.500	0.00	0.04	0.121	O					0.09
382.417	0.00	0.05	0.140	O					0.11	387.583	0.00	0.04	0.121	O					0.09
382.500	0.00	0.05	0.139	O					0.11	387.667	0.00	0.04	0.120	O					0.09
382.583	0.00	0.05	0.139	O					0.11	387.750	0.00	0.04	0.120	O					0.09
382.667	0.00	0.05	0.139	O					0.11	387.833	0.00	0.04	0.120	O					0.09
382.750	0.00	0.05	0.138	O					0.11	387.917	0.00	0.04	0.120	O					0.09
382.833	0.00	0.05	0.138	O					0.11	388.000	0.00	0.04	0.119	O					0.09
382.917	0.00	0.05	0.138	O					0.11	388.083	0.00	0.04	0.119	O					0.09
383.000	0.00	0.05	0.137	O					0.11	388.167	0.00	0.04	0.119	O					0.09
383.083	0.00	0.05	0.137	O					0.11	388.250	0.00	0.04	0.118	O					0.09
383.167	0.00	0.05	0.137	O					0.11	388.333	0.00	0.04	0.118	O					0.09
383.250	0.00	0.05	0.136	O					0.11	388.417	0.00	0.04	0.118	O					0.09
383.333	0.00	0.05	0.136	O					0.11	388.500	0.00	0.04	0.118	O					0.09
383.417	0.00	0.05	0.136	O					0.11	388.583	0.00	0.04	0.117	O					0.09
383.500	0.00	0.05	0.135	O					0.11	388.667	0.00	0.04	0.117	O					0.09
383.583	0.00	0.05	0.135	O					0.10	388.750	0.00	0.04	0.117	O					0.09
383.667	0.00	0.05	0.135	O					0.10	388.833	0.00	0.04	0.117	O					0.09
383.750	0.00	0.05	0.134	O					0.10	388.917	0.00	0.04	0.116	O					0.09
383.833	0.00	0.05	0.134	O					0.10	389.000	0.00	0.04	0.116	O					0.09
383.917	0.00	0.05	0.134	O					0.10	389.083	0.00	0.04	0.116	O					0.09
384.000	0.00	0.05	0.134	O					0.10	389.167	0.00	0.04	0.115	O					0.09
384.083	0.00	0.05	0.133	O					0.10	389.250	0.00	0.04	0.115	O					0.09
384.167	0.00	0.05	0.133	O					0.10	389.333	0.00	0.04	0.115	O					0.09
384.250	0.00	0.05	0.133	O					0.10	389.417	0.00	0.04	0.115	O					0.09
384.333	0.00	0.05	0.132	O					0.10	389.500	0.00	0.04	0.114	O					0.09
384.417	0.00	0.05	0.132	O					0.10	389.583	0.00	0.04	0.114	O					0.09
384.500	0.00	0.04	0.132	O					0.10	389.667	0.00	0.04	0.114	O					0.09
384.583	0.00	0.04	0.131	O					0.10	389.750	0.00	0.04	0.114	O					0.09
384.667	0.00	0.04	0.131	O					0.10	389.833	0.00	0.04	0.113	O					0.09
384.750	0.00	0.04	0.131	O					0.10	389.917	0.00	0.04	0.113	O					0.09
384.833	0.00	0.04	0.130	O					0.10	390.000	0.00	0.04	0.113	O					0.09
384.917	0.00	0.04	0.130	O					0.10	390.083	0.00	0.04	0.112	O					0.09
385.000	0.00	0.04	0.130	O					0.10	390.167	0.00	0.04	0.112	O					0.09
385.083	0.00	0.04	0.130	O					0.10	390.250	0.00	0.04	0.112	O					0.09
385.167	0.00	0.04	0.129	O					0.10	390.333	0.00	0.04	0.112	O					0.09
385.250	0.00	0.04	0.129	O					0.10	390.417	0.00	0.04	0.111	O					0.09
385.333	0.00	0.04	0.129	O					0.10	390.500	0.00	0.04	0.111	O					0.09

390.583	0.00	0.04	0.111	O	|	|	|	|	0.09	395.750	0.00	0.03	0.096	O	|	|	|	|	0.07
390.667	0.00	0.04	0.111	O	|	|	|	|	0.09	395.833	0.00	0.03	0.096	O	|	|	|	|	0.07
390.750	0.00	0.04	0.110	O	|	|	|	|	0.09	395.917	0.00	0.03	0.095	O	|	|	|	|	0.07
390.833	0.00	0.04	0.110	O	|	|	|	|	0.09	396.000	0.00	0.03	0.095	O	|	|	|	|	0.07
390.917	0.00	0.04	0.110	O	|	|	|	|	0.09	396.083	0.00	0.03	0.095	O	|	|	|	|	0.07
391.000	0.00	0.04	0.110	O	|	|	|	|	0.09	396.167	0.00	0.03	0.095	O	|	|	|	|	0.07
391.083	0.00	0.04	0.109	O	|	|	|	|	0.08	396.250	0.00	0.03	0.095	O	|	|	|	|	0.07
391.167	0.00	0.04	0.109	O	|	|	|	|	0.08	396.333	0.00	0.03	0.094	O	|	|	|	|	0.07
391.250	0.00	0.04	0.109	O	|	|	|	|	0.08	396.417	0.00	0.03	0.094	O	|	|	|	|	0.07
391.333	0.00	0.04	0.109	O	|	|	|	|	0.08	396.500	0.00	0.03	0.094	O	|	|	|	|	0.07
391.417	0.00	0.04	0.108	O	|	|	|	|	0.08	396.583	0.00	0.03	0.094	O	|	|	|	|	0.07
391.500	0.00	0.04	0.108	O	|	|	|	|	0.08	396.667	0.00	0.03	0.093	O	|	|	|	|	0.07
391.583	0.00	0.04	0.108	O	|	|	|	|	0.08	396.750	0.00	0.03	0.093	O	|	|	|	|	0.07
391.667	0.00	0.04	0.108	O	|	|	|	|	0.08	396.833	0.00	0.03	0.093	O	|	|	|	|	0.07
391.750	0.00	0.04	0.107	O	|	|	|	|	0.08	396.917	0.00	0.03	0.093	O	|	|	|	|	0.07
391.833	0.00	0.04	0.107	O	|	|	|	|	0.08	397.000	0.00	0.03	0.093	O	|	|	|	|	0.07
391.917	0.00	0.04	0.107	O	|	|	|	|	0.08	397.083	0.00	0.03	0.092	O	|	|	|	|	0.07
392.000	0.00	0.04	0.107	O	|	|	|	|	0.08	397.167	0.00	0.03	0.092	O	|	|	|	|	0.07
392.083	0.00	0.04	0.106	O	|	|	|	|	0.08	397.250	0.00	0.03	0.092	O	|	|	|	|	0.07
392.167	0.00	0.04	0.106	O	|	|	|	|	0.08	397.333	0.00	0.03	0.092	O	|	|	|	|	0.07
392.250	0.00	0.04	0.106	O	|	|	|	|	0.08	397.417	0.00	0.03	0.091	O	|	|	|	|	0.07
392.333	0.00	0.04	0.106	O	|	|	|	|	0.08	397.500	0.00	0.03	0.091	O	|	|	|	|	0.07
392.417	0.00	0.04	0.105	O	|	|	|	|	0.08	397.583	0.00	0.03	0.091	O	|	|	|	|	0.07
392.500	0.00	0.04	0.105	O	|	|	|	|	0.08	397.667	0.00	0.03	0.091	O	|	|	|	|	0.07
392.583	0.00	0.04	0.105	O	|	|	|	|	0.08	397.750	0.00	0.03	0.091	O	|	|	|	|	0.07
392.667	0.00	0.04	0.105	O	|	|	|	|	0.08	397.833	0.00	0.03	0.090	O	|	|	|	|	0.07
392.750	0.00	0.04	0.104	O	|	|	|	|	0.08	397.917	0.00	0.03	0.090	O	|	|	|	|	0.07
392.833	0.00	0.04	0.104	O	|	|	|	|	0.08	398.000	0.00	0.03	0.090	O	|	|	|	|	0.07
392.917	0.00	0.04	0.104	O	|	|	|	|	0.08	398.083	0.00	0.03	0.090	O	|	|	|	|	0.07
393.000	0.00	0.04	0.104	O	|	|	|	|	0.08	398.167	0.00	0.03	0.090	O	|	|	|	|	0.07
393.083	0.00	0.04	0.103	O	|	|	|	|	0.08	398.250	0.00	0.03	0.089	O	|	|	|	|	0.07
393.167	0.00	0.04	0.103	O	|	|	|	|	0.08	398.333	0.00	0.03	0.089	O	|	|	|	|	0.07
393.250	0.00	0.04	0.103	O	|	|	|	|	0.08	398.417	0.00	0.03	0.089	O	|	|	|	|	0.07
393.333	0.00	0.04	0.103	O	|	|	|	|	0.08	398.500	0.00	0.03	0.089	O	|	|	|	|	0.07
393.417	0.00	0.03	0.102	O	|	|	|	|	0.08	398.583	0.00	0.03	0.089	O	|	|	|	|	0.07
393.500	0.00	0.03	0.102	O	|	|	|	|	0.08	398.667	0.00	0.03	0.088	O	|	|	|	|	0.07
393.583	0.00	0.03	0.102	O	|	|	|	|	0.08	398.750	0.00	0.03	0.088	O	|	|	|	|	0.07
393.667	0.00	0.03	0.102	O	|	|	|	|	0.08	398.833	0.00	0.03	0.088	O	|	|	|	|	0.07
393.750	0.00	0.03	0.101	O	|	|	|	|	0.08	398.917	0.00	0.03	0.088	O	|	|	|	|	0.07
393.833	0.00	0.03	0.101	O	|	|	|	|	0.08	399.000	0.00	0.03	0.087	O	|	|	|	|	0.07
393.917	0.00	0.03	0.101	O	|	|	|	|	0.08	399.083	0.00	0.03	0.087	O	|	|	|	|	0.07
394.000	0.00	0.03	0.101	O	|	|	|	|	0.08	399.167	0.00	0.03	0.087	O	|	|	|	|	0.07
394.083	0.00	0.03	0.100	O	|	|	|	|	0.08	399.250	0.00	0.03	0.087	O	|	|	|	|	0.07
394.167	0.00	0.03	0.100	O	|	|	|	|	0.08	399.333	0.00	0.03	0.087	O	|	|	|	|	0.07
394.250	0.00	0.03	0.100	O	|	|	|	|	0.08	399.417	0.00	0.03	0.086	O	|	|	|	|	0.07
394.333	0.00	0.03	0.100	O	|	|	|	|	0.08	399.500	0.00	0.03	0.086	O	|	|	|	|	0.07
394.417	0.00	0.03	0.100	O	|	|	|	|	0.08	399.583	0.00	0.03	0.086	O	|	|	|	|	0.07
394.500	0.00	0.03	0.099	O	|	|	|	|	0.08	399.667	0.00	0.03	0.086	O	|	|	|	|	0.07
394.583	0.00	0.03	0.099	O	|	|	|	|	0.08	399.750	0.00	0.03	0.086	O	|	|	|	|	0.07
394.667	0.00	0.03	0.099	O	|	|	|	|	0.08	399.833	0.00	0.03	0.085	O	|	|	|	|	0.07
394.750	0.00	0.03	0.099	O	|	|	|	|	0.08	399.917	0.00	0.03	0.085	O	|	|	|	|	0.07
394.833	0.00	0.03	0.098	O	|	|	|	|	0.08	400.000	0.00	0.03	0.085	O	|	|	|	|	0.07
394.917	0.00	0.03	0.098	O	|	|	|	|	0.08	400.083	0.00	0.03	0.085	O	|	|	|	|	0.07
395.000	0.00	0.03	0.098	O	|	|	|	|	0.08	400.167	0.00	0.03	0.085	O	|	|	|	|	0.07
395.083	0.00	0.03	0.098	O	|	|	|	|	0.08	400.250	0.00	0.03	0.084	O	|	|	|	|	0.07
395.167	0.00	0.03	0.097	O	|	|	|	|	0.08	400.333	0.00	0.03	0.084	O	|	|	|	|	0.07
395.250	0.00	0.03	0.097	O	|	|	|	|	0.08	400.417	0.00	0.03	0.084	O	|	|	|	|	0.07
395.333	0.00	0.03	0.097	O	|	|	|	|	0.08	400.500	0.00	0.03	0.084	O	|	|	|	|	0.07
395.417	0.00	0.03	0.097	O	|	|	|	|	0.08	400.583	0.00	0.03	0.084	O	|	|	|	|	0.06
395.500	0.00	0.03	0.097	O	|	|	|	|	0.07	400.667	0.00	0.03	0.083	O	|	|	|	|	0.06
395.583	0.00	0.03	0.096	O	|	|	|	|	0.07	400.750	0.00	0.03	0.083	O	|	|	|	|	0.06
395.667	0.00	0.03	0.096	O	|	|	|	|	0.07	400.833	0.00	0.03	0.083	O	|	|	|	|	0.06

400.917	0.00	0.03	0.083	O	|	|	|	|	0.06	406.083	0.00	0.02	0.072	O	|	|	|	|	0.06
401.000	0.00	0.03	0.083	O	|	|	|	|	0.06	406.167	0.00	0.02	0.071	O	|	|	|	|	0.06
401.083	0.00	0.03	0.082	O	|	|	|	|	0.06	406.250	0.00	0.02	0.071	O	|	|	|	|	0.06
401.167	0.00	0.03	0.082	O	|	|	|	|	0.06	406.333	0.00	0.02	0.071	O	|	|	|	|	0.06
401.250	0.00	0.03	0.082	O	|	|	|	|	0.06	406.417	0.00	0.02	0.071	O	|	|	|	|	0.06
401.333	0.00	0.03	0.082	O	|	|	|	|	0.06	406.500	0.00	0.02	0.071	O	|	|	|	|	0.05
401.417	0.00	0.03	0.082	O	|	|	|	|	0.06	406.583	0.00	0.02	0.071	O	|	|	|	|	0.05
401.500	0.00	0.03	0.082	O	|	|	|	|	0.06	406.667	0.00	0.02	0.070	O	|	|	|	|	0.05
401.583	0.00	0.03	0.081	O	|	|	|	|	0.06	406.750	0.00	0.02	0.070	O	|	|	|	|	0.05
401.667	0.00	0.03	0.081	O	|	|	|	|	0.06	406.833	0.00	0.02	0.070	O	|	|	|	|	0.05
401.750	0.00	0.03	0.081	O	|	|	|	|	0.06	406.917	0.00	0.02	0.070	O	|	|	|	|	0.05
401.833	0.00	0.03	0.081	O	|	|	|	|	0.06	407.000	0.00	0.02	0.070	O	|	|	|	|	0.05
401.917	0.00	0.03	0.081	O	|	|	|	|	0.06	407.083	0.00	0.02	0.070	O	|	|	|	|	0.05
402.000	0.00	0.03	0.080	O	|	|	|	|	0.06	407.167	0.00	0.02	0.069	O	|	|	|	|	0.05
402.083	0.00	0.03	0.080	O	|	|	|	|	0.06	407.250	0.00	0.02	0.069	O	|	|	|	|	0.05
402.167	0.00	0.03	0.080	O	|	|	|	|	0.06	407.333	0.00	0.02	0.069	O	|	|	|	|	0.05
402.250	0.00	0.03	0.080	O	|	|	|	|	0.06	407.417	0.00	0.02	0.069	O	|	|	|	|	0.05
402.333	0.00	0.03	0.080	O	|	|	|	|	0.06	407.500	0.00	0.02	0.069	O	|	|	|	|	0.05
402.417	0.00	0.03	0.079	O	|	|	|	|	0.06	407.583	0.00	0.02	0.069	O	|	|	|	|	0.05
402.500	0.00	0.03	0.079	O	|	|	|	|	0.06	407.667	0.00	0.02	0.068	O	|	|	|	|	0.05
402.583	0.00	0.03	0.079	O	|	|	|	|	0.06	407.750	0.00	0.02	0.068	O	|	|	|	|	0.05
402.667	0.00	0.03	0.079	O	|	|	|	|	0.06	407.833	0.00	0.02	0.068	O	|	|	|	|	0.05
402.750	0.00	0.03	0.079	O	|	|	|	|	0.06	407.917	0.00	0.02	0.068	O	|	|	|	|	0.05
402.833	0.00	0.03	0.079	O	|	|	|	|	0.06	408.000	0.00	0.02	0.068	O	|	|	|	|	0.05
402.917	0.00	0.03	0.078	O	|	|	|	|	0.06	408.083	0.00	0.02	0.068	O	|	|	|	|	0.05
403.000	0.00	0.03	0.078	O	|	|	|	|	0.06	408.167	0.00	0.02	0.068	O	|	|	|	|	0.05
403.083	0.00	0.03	0.078	O	|	|	|	|	0.06	408.250	0.00	0.02	0.067	O	|	|	|	|	0.05
403.167	0.00	0.03	0.078	O	|	|	|	|	0.06	408.333	0.00	0.02	0.067	O	|	|	|	|	0.05
403.250	0.00	0.03	0.078	O	|	|	|	|	0.06	408.417	0.00	0.02	0.067	O	|	|	|	|	0.05
403.333	0.00	0.03	0.077	O	|	|	|	|	0.06	408.500	0.00	0.02	0.067	O	|	|	|	|	0.05
403.417	0.00	0.03	0.077	O	|	|	|	|	0.06	408.583	0.00	0.02	0.067	O	|	|	|	|	0.05
403.500	0.00	0.03	0.077	O	|	|	|	|	0.06	408.667	0.00	0.02	0.067	O	|	|	|	|	0.05
403.583	0.00	0.03	0.077	O	|	|	|	|	0.06	408.750	0.00	0.02	0.066	O	|	|	|	|	0.05
403.667	0.00	0.03	0.077	O	|	|	|	|	0.06	408.833	0.00	0.02	0.066	O	|	|	|	|	0.05
403.750	0.00	0.03	0.077	O	|	|	|	|	0.06	408.917	0.00	0.02	0.066	O	|	|	|	|	0.05
403.833	0.00	0.03	0.076	O	|	|	|	|	0.06	409.000	0.00	0.02	0.066	O	|	|	|	|	0.05
403.917	0.00	0.03	0.076	O	|	|	|	|	0.06	409.083	0.00	0.02	0.066	O	|	|	|	|	0.05
404.000	0.00	0.03	0.076	O	|	|	|	|	0.06	409.167	0.00	0.02	0.066	O	|	|	|	|	0.05
404.083	0.00	0.03	0.076	O	|	|	|	|	0.06	409.250	0.00	0.02	0.066	O	|	|	|	|	0.05
404.167	0.00	0.03	0.076	O	|	|	|	|	0.06	409.333	0.00	0.02	0.065	O	|	|	|	|	0.05
404.250	0.00	0.03	0.075	O	|	|	|	|	0.06	409.417	0.00	0.02	0.065	O	|	|	|	|	0.05
404.333	0.00	0.03	0.075	O	|	|	|	|	0.06	409.500	0.00	0.02	0.065	O	|	|	|	|	0.05
404.417	0.00	0.03	0.075	O	|	|	|	|	0.06	409.583	0.00	0.02	0.065	O	|	|	|	|	0.05
404.500	0.00	0.03	0.075	O	|	|	|	|	0.06	409.667	0.00	0.02	0.065	O	|	|	|	|	0.05
404.583	0.00	0.03	0.075	O	|	|	|	|	0.06	409.750	0.00	0.02	0.065	O	|	|	|	|	0.05
404.667	0.00	0.03	0.075	O	|	|	|	|	0.06	409.833	0.00	0.02	0.064	O	|	|	|	|	0.05
404.750	0.00	0.03	0.074	O	|	|	|	|	0.06	409.917	0.00	0.02	0.064	O	|	|	|	|	0.05
404.833	0.00	0.03	0.074	O	|	|	|	|	0.06	410.000	0.00	0.02	0.064	O	|	|	|	|	0.05
404.917	0.00	0.03	0.074	O	|	|	|	|	0.06	410.083	0.00	0.02	0.064	O	|	|	|	|	0.05
405.000	0.00	0.03	0.074	O	|	|	|	|	0.06	410.167	0.00	0.02	0.064	O	|	|	|	|	0.05
405.083	0.00	0.03	0.074	O	|	|	|	|	0.06	410.250	0.00	0.02	0.064	O	|	|	|	|	0.05
405.167	0.00	0.03	0.074	O	|	|	|	|	0.06	410.333	0.00	0.02	0.064	O	|	|	|	|	0.05
405.250	0.00	0.03	0.073	O	|	|	|	|	0.06	410.417	0.00	0.02	0.063	O	|	|	|	|	0.05
405.333	0.00	0.02	0.073	O	|	|	|	|	0.06	410.500	0.00	0.02	0.063	O	|	|	|	|	0.05
405.417	0.00	0.02	0.073	O	|	|	|	|	0.06	410.583	0.00	0.02	0.063	O	|	|	|	|	0.05
405.500	0.00	0.02	0.073	O	|	|	|	|	0.06	410.667	0.00	0.02	0.063	O	|	|	|	|	0.05
405.583	0.00	0.02	0.073	O	|	|	|	|	0.06	410.750	0.00	0.02	0.063	O	|	|	|	|	0.05
405.667	0.00	0.02	0.072	O	|	|	|	|	0.06	410.833	0.00	0.02	0.063	O	|	|	|	|	0.05
405.750	0.00	0.02	0.072	O	|	|	|	|	0.06	410.917	0.00	0.02	0.062	O	|	|	|	|	0.05
405.833	0.00	0.02	0.072	O	|	|	|	|	0.06	411.000	0.00	0.02	0.062	O	|	|	|	|	0.05
405.917	0.00	0.02	0.072	O	|	|	|	|	0.06	411.083	0.00	0.02	0.062	O	|	|	|	|	0.05
406.000	0.00	0.02	0.072	O	|	|	|	|	0.06	411.167	0.00	0.02	0.062	O	|	|	|	|	0.05

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411.250    0.00    0.02      0.062  O       |       |       |       |     0.05
411.333    0.00    0.02      0.062  O       |       |       |       |     0.05
411.417    0.00    0.02      0.062  O       |       |       |       |     0.05
411.500    0.00    0.02      0.061  O       |       |       |       |     0.05
411.583    0.00    0.02      0.061  O       |       |       |       |     0.05
411.667    0.00    0.02      0.061  O       |       |       |       |     0.05
411.750    0.00    0.02      0.061  O       |       |       |       |     0.05
411.833    0.00    0.02      0.061  O       |       |       |       |     0.05
411.917    0.00    0.02      0.061  O       |       |       |       |     0.05
412.000    0.00    0.02      0.061  O       |       |       |       |     0.05
412.083    0.00    0.02      0.060  O       |       |       |       |     0.05
412.167    0.00    0.02      0.060  O       |       |       |       |     0.05
412.250    0.00    0.02      0.060  O       |       |       |       |     0.05
412.333    0.00    0.02      0.060  O       |       |       |       |     0.05
412.417    0.00    0.02      0.060  O       |       |       |       |     0.05
412.500    0.00    0.02      0.060  O       |       |       |       |     0.05
412.583    0.00    0.02      0.060  O       |       |       |       |     0.05
412.667    0.00    0.02      0.059  O       |       |       |       |     0.05
412.750    0.00    0.02      0.059  O       |       |       |       |     0.05
412.833    0.00    0.02      0.059  O       |       |       |       |     0.05
412.917    0.00    0.02      0.059  O       |       |       |       |     0.05
413.000    0.00    0.02      0.059  O       |       |       |       |     0.05
413.083    0.00    0.02      0.059  O       |       |       |       |     0.05
413.167    0.00    0.02      0.059  O       |       |       |       |     0.05
413.250    0.00    0.02      0.059  O       |       |       |       |     0.05
413.333    0.00    0.02      0.058  O       |       |       |       |     0.05
413.417    0.00    0.02      0.058  O       |       |       |       |     0.05
413.500    0.00    0.02      0.058  O       |       |       |       |     0.05
413.583    0.00    0.02      0.058  O       |       |       |       |     0.04
413.667    0.00    0.02      0.058  O       |       |       |       |     0.04
413.750    0.00    0.02      0.058  O       |       |       |       |     0.04
413.833    0.00    0.02      0.058  O       |       |       |       |     0.04
413.917    0.00    0.02      0.057  O       |       |       |       |     0.04
414.000    0.00    0.02      0.057  O       |       |       |       |     0.04
414.083    0.00    0.02      0.057  O       |       |       |       |     0.04
414.167    0.00    0.02      0.057  O       |       |       |       |     0.04
414.250    0.00    0.02      0.057  O       |       |       |       |     0.04
414.333    0.00    0.02      0.057  O       |       |       |       |     0.04
414.417    0.00    0.02      0.057  O       |       |       |       |     0.04
414.500    0.00    0.02      0.056  O       |       |       |       |     0.04
414.583    0.00    0.02      0.056  O       |       |       |       |     0.04
414.667    0.00    0.02      0.056  O       |       |       |       |     0.04
414.750    0.00    0.02      0.056  O       |       |       |       |     0.04
414.833    0.00    0.02      0.056  O       |       |       |       |     0.04
414.917    0.00    0.02      0.056  O       |       |       |       |     0.04
415.000    0.00    0.02      0.056  O       |       |       |       |     0.04
415.083    0.00    0.02      0.056  O       |       |       |       |     0.04
415.167    0.00    0.02      0.055  O       |       |       |       |     0.04
415.250    0.00    0.02      0.055  O       |       |       |       |     0.04
415.333    0.00    0.02      0.055  O       |       |       |       |     0.04
415.417    0.00    0.02      0.055  O       |       |       |       |     0.04
415.500    0.00    0.02      0.055  O       |       |       |       |     0.04
415.583    0.00    0.02      0.055  O       |       |       |       |     0.04
415.667    0.00    0.02      0.055  O       |       |       |       |     0.04
415.750    0.00    0.02      0.055  O       |       |       |       |     0.04
415.833    0.00    0.02      0.054  O       |       |       |       |     0.04
415.917    0.00    0.02      0.054  O       |       |       |       |     0.04
416.000    0.00    0.02      0.054  O       |       |       |       |     0.04
416.083    0.00    0.02      0.054  O       |       |       |       |     0.04
416.167    0.00    0.02      0.054  O       |       |       |       |     0.04
416.250    0.00    0.02      0.054  O       |       |       |       |     0.04
416.333    0.00    0.02      0.054  O       |       |       |       |     0.04
416.417    0.00    0.02      0.054  O       |       |       |       |     0.04
416.500    0.00    0.02      0.053  O       |       |       |       |     0.04
416.583    0.00    0.02      0.053  O       |       |       |       |     0.04
416.667    0.00    0.02      0.053  O       |       |       |       |     0.04

      Remaining water in basin =    0.05 (Ac.Ft)


      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  5001
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       53.185 (CFS)
                  Total volume =      40.836 (Ac.Ft)
            Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000    40.267
            Vol (Ac.Ft)     0.000     0.000     0.000     0.000     5.194
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.820 to Point/Station        4.800
      **** STREAM ROUTING SCS CONVEX METHOD ****
      _______________________________________________________________________
      HYDROGRAPH STREAM ROUTING DATA:
      Length of stream =    263.00 (Ft.)
      Elevation difference =    8.00 (Ft.)
      Slope of channel =  0.030418 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =   263.00(Ft.)   Elevation difference =   8.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =    18.167(CFS)
      Given pipe size =     42.00(In.)
      Calculated individual pipe flow  =    18.167(CFS)
      Normal flow depth in pipe =    9.13(In.)
      Flow top width inside pipe =   34.65(In.)
      Critical Depth =    1.30(Ft.)
      Pipe flow velocity =     11.78(Ft/s)
      Travel time through pipe =    0.37 min.


      Pipe length  =   263.00(Ft.)   Elevation difference =   8.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =    53.185(CFS)
      Given pipe size =     42.00(In.)
      Calculated individual pipe flow  =    53.185(CFS)
      Normal flow depth in pipe =   15.87(In.)
      Flow top width inside pipe =   40.73(In.)
      Critical Depth =    2.28(Ft.)
      Pipe flow velocity =     15.99(Ft/s)
      Travel time through pipe =    0.27 min.


      ********************** SCS CONVEX CHANNEL ROUTING **********************
      Convex method of stream routing  data items:
```

```
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.9039   Travel time =   0.27 (min.)
              dt*(unit time interval) =   5.00(min.),  e=  13.7864
              dt(routing time-step) =   0.25 (min.),   c* =   1.0000

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
      ----------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

      ----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       13.3      26.6      39.9      53.2
----------------------------------------------------------------------------
  0+ 5       0.0022      0.00  O         |         |         |         |
  0+10       0.0415      0.04  O         |         |         |         |
  0+15       0.1350      0.14  O         |         |         |         |
  0+20       0.2521      0.26  O         |         |         |         |
  0+25       0.3876      0.39  O         |         |         |         |
  0+30       0.4864      0.49  O         |         |         |         |
  0+35       0.5683      0.57  O         |         |         |         |
  0+40       0.6512      0.66  O         |         |         |         |
  0+45       0.7114      0.71  O         |         |         |         |
  0+50       0.7735      0.78  O         |         |         |         |
  0+55       0.8242      0.83  O         |         |         |         |
  1+ 0       0.8665      0.87  O         |         |         |         |
  1+ 5       0.9106      0.91  O         |         |         |         |
  1+10       0.9608      0.96  O         |         |         |         |
  1+15       1.0170      1.02  O         |         |         |         |
  1+20       1.0697      1.07  O         |         |         |         |
  1+25       1.1191      1.12  O         |         |         |         |
  1+30       1.1664      1.17  O         |         |         |         |
  1+35       1.2115      1.21  O         |         |         |         |
  1+40       1.2566      1.26  O         |         |         |         |
  1+45       1.3015      1.30  O         |         |         |         |
  1+50       1.3476      1.35  |O        |         |         |         |
  1+55       1.3928      1.40  |O        |         |         |         |
  2+ 0       1.4365      1.44  |O        |         |         |         |
  2+ 5       1.4789      1.48  |O        |         |         |         |
  2+10       1.5172      1.52  |O        |         |         |         |
  2+15       1.5588      1.56  |O        |         |         |         |
  2+20       1.6057      1.61  |O        |         |         |         |
  2+25       1.6547      1.66  |O        |         |         |         |
  2+30       1.7087      1.71  |O        |         |         |         |
  2+35       1.7681      1.77  |O        |         |         |         |
  2+40       8.1094      8.44  |     O   |         |         |         |
  2+45      30.8006     31.97  |         |         |  OI     |         |
  2+50      43.2052     43.79  |         |         |         | O       |
  2+55      49.3221     49.61  |         |         |         |      O  |
  3+ 0      51.9558     52.08  |         |         |         |        O|
  3+ 5      53.1300     53.18  |         |         |         |        OI
  3+10      53.0308     53.02  |         |         |         |        O|
  3+15      52.1739     52.13  |         |         |         |        O|
  3+20      50.9808     50.92  |         |         |         |       O |
  3+25      49.6582     49.59  |         |         |         |      O  |
  3+30      48.3261     48.26  |         |         |         |     O   |
  3+35      46.3991     46.30  |         |         |         |   O     |
  3+40      44.5164     44.42  |         |         |         |  O      |
  3+45      42.7102     42.62  |         |         |         | O       |
  3+50      40.9772     40.89  |         |         |         O         |
  3+55      39.3146     39.23  |         |         |         O|        |
  4+ 0      37.7194     37.64  |         |         |       O |         |
  4+ 5      36.1889     36.11  |         |         |      O  |         |
  4+10      34.7206     34.65  |         |         |    O    |         |
  4+15      33.3118     33.24  |         |         |   O     |         |
  4+20      31.9602     31.89  |         |         |  IO     |         |
  4+25      30.6634     30.60  |         |         |  O      |         |
  4+30      29.4192     29.36  |         |         | O       |         |
  4+35      28.0375     27.97  |         |         |O        |         |
  4+40      26.4196     26.34  |         |        O|         |         |
  4+45      24.8800     24.80  |         |       O |         |         |
  4+50      23.4301     23.36  |         |      O  |         |         |
  4+55      22.0647     22.00  |         |     O   |         |         |
  5+ 0      20.7789     20.72  |         |    O    |         |         |
  5+ 5      19.5680     19.51  |         |   O     |         |         |
  5+10      18.4277     18.37  |         |  O      |         |         |
  5+15      17.3538     17.30  |         |  O      |         |         |
  5+20      16.3425     16.29  |         | O       |         |         |
  5+25      15.3902     15.34  |         |O        |         |         |
  5+30      14.4933     14.45  |         O         |         |         |
  5+35      13.6487     13.61  |         O         |         |         |
  5+40      12.8533     12.81  |        O|         |         |         |
  5+45      12.1043     12.07  |        O|         |         |         |
  5+50      11.3989     11.36  |       O |         |         |         |
  5+55      10.7347     10.70  |       O |         |         |         |
  6+ 0      10.1091     10.08  |      O  |         |         |         |
  6+ 5       9.5200      9.49  |      O  |         |         |         |
  6+10       8.9652      8.94  |     O   |         |         |         |
  6+15       8.4428      8.42  |     O   |         |         |         |
  6+20       7.9508      7.93  |    O    |         |         |         |
  6+25       7.4874      7.46  |    O    |         |         |         |
  6+30       7.0511      7.03  |    O    |         |         |         |
  6+35       6.6402      6.62  |   O     |         |         |         |
  6+40       6.2533      6.23  |   O     |         |         |         |
  6+45       5.8888      5.87  |   O     |         |         |         |
  6+50       5.5457      5.53  |   O     |         |         |         |
  6+55       5.2225      5.21  |  O      |         |         |         |
  7+ 0       4.9182      4.90  |  O      |         |         |         |
  7+ 5       4.6316      4.62  |  O      |         |         |         |
  7+10       4.3617      4.35  |  O      |         |         |         |
  7+15       4.1075      4.09  |  O      |         |         |         |
  7+20       3.8681      3.86  | O       |         |         |         |
  7+25       3.6427      3.63  | O       |         |         |         |
  7+30       3.4304      3.42  | O       |         |         |         |
  7+35       3.2305      3.22  | O       |         |         |         |
  7+40       3.0423      3.03  | O       |         |         |         |
  7+45       2.8650      2.86  | O       |         |         |         |
  7+50       2.6980      2.69  | O       |         |         |         |
  7+55       2.5408      2.53  |O        |         |         |         |
  8+ 0       2.3927      2.39  |O        |         |         |         |
  8+ 5       2.2533      2.25  |O        |         |         |         |
  8+10       2.1220      2.12  |O        |         |         |         |
  8+15       1.9983      1.99  |O        |         |         |         |
  8+20       1.8819      1.88  |O        |         |         |         |
  8+25       1.8227      1.82  |O        |         |         |         |
  8+30       1.8196      1.82  |O        |         |         |         |
  8+35       1.8194      1.82  |O        |         |         |         |
  8+40       1.8191      1.82  |O        |         |         |         |
  8+45       1.8188      1.82  |O        |         |         |         |
```

8+50	1.8186	1.82	|O	|	|	|	|	14+ 0	1.8023	1.80	|O	|	|	|	|
8+55	1.8183	1.82	|O	|	|	|	|	14+ 5	1.8020	1.80	|O	|	|	|	|
9+ 0	1.8180	1.82	|O	|	|	|	|	14+10	1.8018	1.80	|O	|	|	|	|
9+ 5	1.8178	1.82	|O	|	|	|	|	14+15	1.8015	1.80	|O	|	|	|	|
9+10	1.8175	1.82	|O	|	|	|	|	14+20	1.8012	1.80	|O	|	|	|	|
9+15	1.8172	1.82	|O	|	|	|	|	14+25	1.8010	1.80	|O	|	|	|	|
9+20	1.8170	1.82	|O	|	|	|	|	14+30	1.8007	1.80	|O	|	|	|	|
9+25	1.8167	1.82	|O	|	|	|	|	14+35	1.8005	1.80	|O	|	|	|	|
9+30	1.8165	1.82	|O	|	|	|	|	14+40	1.8002	1.80	|O	|	|	|	|
9+35	1.8162	1.82	|O	|	|	|	|	14+45	1.7999	1.80	|O	|	|	|	|
9+40	1.8159	1.82	|O	|	|	|	|	14+50	1.7997	1.80	|O	|	|	|	|
9+45	1.8157	1.82	|O	|	|	|	|	14+55	1.7994	1.80	|O	|	|	|	|
9+50	1.8154	1.82	|O	|	|	|	|	15+ 0	1.7992	1.80	|O	|	|	|	|
9+55	1.8151	1.82	|O	|	|	|	|	15+ 5	1.7989	1.80	|O	|	|	|	|
10+ 0	1.8149	1.81	|O	|	|	|	|	15+10	1.7986	1.80	|O	|	|	|	|
10+ 5	1.8146	1.81	|O	|	|	|	|	15+15	1.7984	1.80	|O	|	|	|	|
10+10	1.8143	1.81	|O	|	|	|	|	15+20	1.7981	1.80	|O	|	|	|	|
10+15	1.8141	1.81	|O	|	|	|	|	15+25	1.7979	1.80	|O	|	|	|	|
10+20	1.8138	1.81	|O	|	|	|	|	15+30	1.7976	1.80	|O	|	|	|	|
10+25	1.8136	1.81	|O	|	|	|	|	15+35	1.7973	1.80	|O	|	|	|	|
10+30	1.8133	1.81	|O	|	|	|	|	15+40	1.7971	1.80	|O	|	|	|	|
10+35	1.8130	1.81	|O	|	|	|	|	15+45	1.7968	1.80	|O	|	|	|	|
10+40	1.8128	1.81	|O	|	|	|	|	15+50	1.7966	1.80	|O	|	|	|	|
10+45	1.8125	1.81	|O	|	|	|	|	15+55	1.7963	1.80	|O	|	|	|	|
10+50	1.8122	1.81	|O	|	|	|	|	16+ 0	1.7960	1.80	|O	|	|	|	|
10+55	1.8120	1.81	|O	|	|	|	|	16+ 5	1.7958	1.80	|O	|	|	|	|
11+ 0	1.8117	1.81	|O	|	|	|	|	16+10	1.7955	1.80	|O	|	|	|	|
11+ 5	1.8115	1.81	|O	|	|	|	|	16+15	1.7953	1.80	|O	|	|	|	|
11+10	1.8112	1.81	|O	|	|	|	|	16+20	1.7950	1.79	|O	|	|	|	|
11+15	1.8109	1.81	|O	|	|	|	|	16+25	1.7947	1.79	|O	|	|	|	|
11+20	1.8107	1.81	|O	|	|	|	|	16+30	1.7945	1.79	|O	|	|	|	|
11+25	1.8104	1.81	|O	|	|	|	|	16+35	1.7942	1.79	|O	|	|	|	|
11+30	1.8101	1.81	|O	|	|	|	|	16+40	1.7940	1.79	|O	|	|	|	|
11+35	1.8099	1.81	|O	|	|	|	|	16+45	1.7937	1.79	|O	|	|	|	|
11+40	1.8096	1.81	|O	|	|	|	|	16+50	1.7934	1.79	|O	|	|	|	|
11+45	1.8094	1.81	|O	|	|	|	|	16+55	1.7932	1.79	|O	|	|	|	|
11+50	1.8091	1.81	|O	|	|	|	|	17+ 0	1.7929	1.79	|O	|	|	|	|
11+55	1.8088	1.81	|O	|	|	|	|	17+ 5	1.7927	1.79	|O	|	|	|	|
12+ 0	1.8086	1.81	|O	|	|	|	|	17+10	1.7924	1.79	|O	|	|	|	|
12+ 5	1.8083	1.81	|O	|	|	|	|	17+15	1.7921	1.79	|O	|	|	|	|
12+10	1.8080	1.81	|O	|	|	|	|	17+20	1.7919	1.79	|O	|	|	|	|
12+15	1.8078	1.81	|O	|	|	|	|	17+25	1.7916	1.79	|O	|	|	|	|
12+20	1.8075	1.81	|O	|	|	|	|	17+30	1.7914	1.79	|O	|	|	|	|
12+25	1.8073	1.81	|O	|	|	|	|	17+35	1.7911	1.79	|O	|	|	|	|
12+30	1.8070	1.81	|O	|	|	|	|	17+40	1.7908	1.79	|O	|	|	|	|
12+35	1.8067	1.81	|O	|	|	|	|	17+45	1.7906	1.79	|O	|	|	|	|
12+40	1.8065	1.81	|O	|	|	|	|	17+50	1.7903	1.79	|O	|	|	|	|
12+45	1.8062	1.81	|O	|	|	|	|	17+55	1.7901	1.79	|O	|	|	|	|
12+50	1.8060	1.81	|O	|	|	|	|	18+ 0	1.7898	1.79	|O	|	|	|	|
12+55	1.8057	1.81	|O	|	|	|	|	18+ 5	1.7895	1.79	|O	|	|	|	|
13+ 0	1.8054	1.81	|O	|	|	|	|	18+10	1.7893	1.79	|O	|	|	|	|
13+ 5	1.8052	1.81	|O	|	|	|	|	18+15	1.7890	1.79	|O	|	|	|	|
13+10	1.8049	1.80	|O	|	|	|	|	18+20	1.7888	1.79	|O	|	|	|	|
13+15	1.8046	1.80	|O	|	|	|	|	18+25	1.7885	1.79	|O	|	|	|	|
13+20	1.8044	1.80	|O	|	|	|	|	18+30	1.7882	1.79	|O	|	|	|	|
13+25	1.8041	1.80	|O	|	|	|	|	18+35	1.7880	1.79	|O	|	|	|	|
13+30	1.8039	1.80	|O	|	|	|	|	18+40	1.7877	1.79	|O	|	|	|	|
13+35	1.8036	1.80	|O	|	|	|	|	18+45	1.7875	1.79	|O	|	|	|	|
13+40	1.8033	1.80	|O	|	|	|	|	18+50	1.7872	1.79	|O	|	|	|	|
13+45	1.8031	1.80	|O	|	|	|	|	18+55	1.7869	1.79	|O	|	|	|	|
13+50	1.8028	1.80	|O	|	|	|	|	19+ 0	1.7867	1.79	|O	|	|	|	|
13+55	1.8026	1.80	|O	|	|	|	|	19+ 5	1.7864	1.79	|O	|	|	|	|

19+10	1.7862	1.79	O					24+20	1.7702	1.77	O				
19+15	1.7859	1.79	O					24+25	1.7699	1.77	O				
19+20	1.7857	1.79	O					24+30	1.7697	1.77	O				
19+25	1.7854	1.79	O					24+35	1.7694	1.77	O				
19+30	1.7851	1.79	O					24+40	1.7692	1.77	O				
19+35	1.7849	1.78	O					24+45	1.7689	1.77	O				
19+40	1.7846	1.78	O					24+50	1.7687	1.77	O				
19+45	1.7844	1.78	O					24+55	1.7684	1.77	O				
19+50	1.7841	1.78	O					25+ 0	1.7681	1.77	O				
19+55	1.7838	1.78	O					25+ 5	1.7679	1.77	O				
20+ 0	1.7836	1.78	O					25+10	1.7676	1.77	O				
20+ 5	1.7833	1.78	O					25+15	1.7674	1.77	O				
20+10	1.7831	1.78	O					25+20	1.7671	1.77	O				
20+15	1.7828	1.78	O					25+25	1.7669	1.77	O				
20+20	1.7825	1.78	O					25+30	1.7666	1.77	O				
20+25	1.7823	1.78	O					25+35	1.7663	1.77	O				
20+30	1.7820	1.78	O					25+40	1.7661	1.77	O				
20+35	1.7818	1.78	O					25+45	1.7658	1.77	O				
20+40	1.7815	1.78	O					25+50	1.7656	1.77	O				
20+45	1.7813	1.78	O					25+55	1.7653	1.77	O				
20+50	1.7810	1.78	O					26+ 0	1.7651	1.77	O				
20+55	1.7807	1.78	O					26+ 5	1.7648	1.76	O				
21+ 0	1.7805	1.78	O					26+10	1.7646	1.76	O				
21+ 5	1.7802	1.78	O					26+15	1.7643	1.76	O				
21+10	1.7800	1.78	O					26+20	1.7640	1.76	O				
21+15	1.7797	1.78	O					26+25	1.7638	1.76	O				
21+20	1.7795	1.78	O					26+30	1.7635	1.76	O				
21+25	1.7792	1.78	O					26+35	1.7633	1.76	O				
21+30	1.7789	1.78	O					26+40	1.7630	1.76	O				
21+35	1.7787	1.78	O					26+45	1.7628	1.76	O				
21+40	1.7784	1.78	O					26+50	1.7625	1.76	O				
21+45	1.7782	1.78	O					26+55	1.7623	1.76	O				
21+50	1.7779	1.78	O					27+ 0	1.7620	1.76	O				
21+55	1.7776	1.78	O					27+ 5	1.7617	1.76	O				
22+ 0	1.7774	1.78	O					27+10	1.7615	1.76	O				
22+ 5	1.7771	1.78	O					27+15	1.7612	1.76	O				
22+10	1.7769	1.78	O					27+20	1.7610	1.76	O				
22+15	1.7766	1.78	O					27+25	1.7607	1.76	O				
22+20	1.7764	1.78	O					27+30	1.7605	1.76	O				
22+25	1.7761	1.78	O					27+35	1.7602	1.76	O				
22+30	1.7758	1.78	O					27+40	1.7600	1.76	O				
22+35	1.7756	1.78	O					27+45	1.7597	1.76	O				
22+40	1.7753	1.78	O					27+50	1.7594	1.76	O				
22+45	1.7751	1.78	O					27+55	1.7592	1.76	O				
22+50	1.7748	1.77	O					28+ 0	1.7589	1.76	O				
22+55	1.7746	1.77	O					28+ 5	1.7586	1.76	O				
23+ 0	1.7743	1.77	O					28+10	1.7583	1.76	O				
23+ 5	1.7740	1.77	O					28+15	1.7581	1.76	O				
23+10	1.7738	1.77	O					28+20	1.7578	1.76	O				
23+15	1.7735	1.77	O					28+25	1.7575	1.76	O				
23+20	1.7733	1.77	O					28+30	1.7573	1.76	O				
23+25	1.7730	1.77	O					28+35	1.7570	1.76	O				
23+30	1.7728	1.77	O					28+40	1.7567	1.76	O				
23+35	1.7725	1.77	O					28+45	1.7565	1.76	O				
23+40	1.7722	1.77	O					28+50	1.7562	1.76	O				
23+45	1.7720	1.77	O					28+55	1.7559	1.76	O				
23+50	1.7717	1.77	O					29+ 0	1.7557	1.76	O				
23+55	1.7715	1.77	O					29+ 5	1.7554	1.76	O				
24+ 0	1.7712	1.77	O					29+10	1.7551	1.76	O				
24+ 5	1.7710	1.77	O					29+15	1.7549	1.75	O				
24+10	1.7707	1.77	O					29+20	1.7546	1.75	O				
24+15	1.7704	1.77	O					29+25	1.7543	1.75	O				

29+30	1.7541	1.75	O					34+40	1.7376	1.74	O				
29+35	1.7538	1.75	O					34+45	1.7373	1.74	O				
29+40	1.7535	1.75	O					34+50	1.7370	1.74	O				
29+45	1.7533	1.75	O					34+55	1.7368	1.74	O				
29+50	1.7530	1.75	O					35+ 0	1.7365	1.74	O				
29+55	1.7527	1.75	O					35+ 5	1.7362	1.74	O				
30+ 0	1.7525	1.75	O					35+10	1.7360	1.74	O				
30+ 5	1.7522	1.75	O					35+15	1.7357	1.74	O				
30+10	1.7519	1.75	O					35+20	1.7354	1.74	O				
30+15	1.7517	1.75	O					35+25	1.7352	1.74	O				
30+20	1.7514	1.75	O					35+30	1.7349	1.73	O				
30+25	1.7511	1.75	O					35+35	1.7347	1.73	O				
30+30	1.7509	1.75	O					35+40	1.7344	1.73	O				
30+35	1.7506	1.75	O					35+45	1.7341	1.73	O				
30+40	1.7503	1.75	O					35+50	1.7339	1.73	O				
30+45	1.7501	1.75	O					35+55	1.7336	1.73	O				
30+50	1.7498	1.75	O					36+ 0	1.7333	1.73	O				
30+55	1.7495	1.75	O					36+ 5	1.7331	1.73	O				
31+ 0	1.7493	1.75	O					36+10	1.7328	1.73	O				
31+ 5	1.7490	1.75	O					36+15	1.7325	1.73	O				
31+10	1.7487	1.75	O					36+20	1.7323	1.73	O				
31+15	1.7485	1.75	O					36+25	1.7320	1.73	O				
31+20	1.7482	1.75	O					36+30	1.7317	1.73	O				
31+25	1.7479	1.75	O					36+35	1.7315	1.73	O				
31+30	1.7477	1.75	O					36+40	1.7312	1.73	O				
31+35	1.7474	1.75	O					36+45	1.7310	1.73	O				
31+40	1.7471	1.75	O					36+50	1.7307	1.73	O				
31+45	1.7469	1.75	O					36+55	1.7304	1.73	O				
31+50	1.7466	1.75	O					37+ 0	1.7302	1.73	O				
31+55	1.7463	1.75	O					37+ 5	1.7299	1.73	O				
32+ 0	1.7461	1.75	O					37+10	1.7296	1.73	O				
32+ 5	1.7458	1.75	O					37+15	1.7294	1.73	O				
32+10	1.7455	1.75	O					37+20	1.7291	1.73	O				
32+15	1.7453	1.75	O					37+25	1.7288	1.73	O				
32+20	1.7450	1.74	O					37+30	1.7286	1.73	O				
32+25	1.7447	1.74	O					37+35	1.7283	1.73	O				
32+30	1.7445	1.74	O					37+40	1.7281	1.73	O				
32+35	1.7442	1.74	O					37+45	1.7278	1.73	O				
32+40	1.7439	1.74	O					37+50	1.7275	1.73	O				
32+45	1.7437	1.74	O					37+55	1.7273	1.73	O				
32+50	1.7434	1.74	O					38+ 0	1.7270	1.73	O				
32+55	1.7431	1.74	O					38+ 5	1.7267	1.73	O				
33+ 0	1.7429	1.74	O					38+10	1.7265	1.73	O				
33+ 5	1.7426	1.74	O					38+15	1.7262	1.73	O				
33+10	1.7423	1.74	O					38+20	1.7260	1.73	O				
33+15	1.7421	1.74	O					38+25	1.7257	1.73	O				
33+20	1.7418	1.74	O					38+30	1.7254	1.73	O				
33+25	1.7415	1.74	O					38+35	1.7252	1.73	O				
33+30	1.7413	1.74	O					38+40	1.7249	1.72	O				
33+35	1.7410	1.74	O					38+45	1.7246	1.72	O				
33+40	1.7407	1.74	O					38+50	1.7244	1.72	O				
33+45	1.7405	1.74	O					38+55	1.7241	1.72	O				
33+50	1.7402	1.74	O					39+ 0	1.7238	1.72	O				
33+55	1.7400	1.74	O					39+ 5	1.7236	1.72	O				
34+ 0	1.7397	1.74	O					39+10	1.7233	1.72	O				
34+ 5	1.7394	1.74	O					39+15	1.7231	1.72	O				
34+10	1.7392	1.74	O					39+20	1.7228	1.72	O				
34+15	1.7389	1.74	O					39+25	1.7225	1.72	O				
34+20	1.7386	1.74	O					39+30	1.7223	1.72	O				
34+25	1.7384	1.74	O					39+35	1.7220	1.72	O				
34+30	1.7381	1.74	O					39+40	1.7217	1.72	O				
34+35	1.7378	1.74	O					39+45	1.7215	1.72	O				

39+50	1.7212	1.72	|O	|	|	|	|	45+ 0	1.7050	1.71	|O	|	|	|	|
39+55	1.7210	1.72	|O	|	|	|	|	45+ 5	1.7048	1.70	|O	|	|	|	|
40+ 0	1.7207	1.72	|O	|	|	|	|	45+10	1.7045	1.70	|O	|	|	|	|
40+ 5	1.7204	1.72	|O	|	|	|	|	45+15	1.7043	1.70	|O	|	|	|	|
40+10	1.7202	1.72	|O	|	|	|	|	45+20	1.7040	1.70	|O	|	|	|	|
40+15	1.7199	1.72	|O	|	|	|	|	45+25	1.7037	1.70	|O	|	|	|	|
40+20	1.7196	1.72	|O	|	|	|	|	45+30	1.7035	1.70	|O	|	|	|	|
40+25	1.7194	1.72	|O	|	|	|	|	45+35	1.7032	1.70	|O	|	|	|	|
40+30	1.7191	1.72	|O	|	|	|	|	45+40	1.7030	1.70	|O	|	|	|	|
40+35	1.7189	1.72	|O	|	|	|	|	45+45	1.7027	1.70	|O	|	|	|	|
40+40	1.7186	1.72	|O	|	|	|	|	45+50	1.7024	1.70	|O	|	|	|	|
40+45	1.7183	1.72	|O	|	|	|	|	45+55	1.7022	1.70	|O	|	|	|	|
40+50	1.7181	1.72	|O	|	|	|	|	46+ 0	1.7019	1.70	|O	|	|	|	|
40+55	1.7178	1.72	|O	|	|	|	|	46+ 5	1.7017	1.70	|O	|	|	|	|
41+ 0	1.7176	1.72	|O	|	|	|	|	46+10	1.7014	1.70	|O	|	|	|	|
41+ 5	1.7173	1.72	|O	|	|	|	|	46+15	1.7011	1.70	|O	|	|	|	|
41+10	1.7170	1.72	|O	|	|	|	|	46+20	1.7009	1.70	|O	|	|	|	|
41+15	1.7168	1.72	|O	|	|	|	|	46+25	1.7006	1.70	|O	|	|	|	|
41+20	1.7165	1.72	|O	|	|	|	|	46+30	1.7004	1.70	|O	|	|	|	|
41+25	1.7162	1.72	|O	|	|	|	|	46+35	1.7001	1.70	|O	|	|	|	|
41+30	1.7160	1.72	|O	|	|	|	|	46+40	1.6998	1.70	|O	|	|	|	|
41+35	1.7157	1.72	|O	|	|	|	|	46+45	1.6995	1.70	|O	|	|	|	|
41+40	1.7155	1.72	|O	|	|	|	|	46+50	1.6992	1.70	|O	|	|	|	|
41+45	1.7152	1.72	|O	|	|	|	|	46+55	1.6989	1.70	|O	|	|	|	|
41+50	1.7149	1.71	|O	|	|	|	|	47+ 0	1.6986	1.70	|O	|	|	|	|
41+55	1.7147	1.71	|O	|	|	|	|	47+ 5	1.6983	1.70	|O	|	|	|	|
42+ 0	1.7144	1.71	|O	|	|	|	|	47+10	1.6980	1.70	|O	|	|	|	|
42+ 5	1.7142	1.71	|O	|	|	|	|	47+15	1.6977	1.70	|O	|	|	|	|
42+10	1.7139	1.71	|O	|	|	|	|	47+20	1.6973	1.70	|O	|	|	|	|
42+15	1.7136	1.71	|O	|	|	|	|	47+25	1.6970	1.70	|O	|	|	|	|
42+20	1.7134	1.71	|O	|	|	|	|	47+30	1.6967	1.70	|O	|	|	|	|
42+25	1.7131	1.71	|O	|	|	|	|	47+35	1.6964	1.70	|O	|	|	|	|
42+30	1.7128	1.71	|O	|	|	|	|	47+40	1.6961	1.70	|O	|	|	|	|
42+35	1.7126	1.71	|O	|	|	|	|	47+45	1.6958	1.70	|O	|	|	|	|
42+40	1.7123	1.71	|O	|	|	|	|	47+50	1.6955	1.70	|O	|	|	|	|
42+45	1.7121	1.71	|O	|	|	|	|	47+55	1.6952	1.70	|O	|	|	|	|
42+50	1.7118	1.71	|O	|	|	|	|	48+ 0	1.6949	1.69	|O	|	|	|	|
42+55	1.7115	1.71	|O	|	|	|	|	48+ 5	1.6946	1.69	|O	|	|	|	|
43+ 0	1.7113	1.71	|O	|	|	|	|	48+10	1.6943	1.69	|O	|	|	|	|
43+ 5	1.7110	1.71	|O	|	|	|	|	48+15	1.6940	1.69	|O	|	|	|	|
43+10	1.7108	1.71	|O	|	|	|	|	48+20	1.6937	1.69	|O	|	|	|	|
43+15	1.7105	1.71	|O	|	|	|	|	48+25	1.6933	1.69	|O	|	|	|	|
43+20	1.7102	1.71	|O	|	|	|	|	48+30	1.6930	1.69	|O	|	|	|	|
43+25	1.7100	1.71	|O	|	|	|	|	48+35	1.6927	1.69	|O	|	|	|	|
43+30	1.7097	1.71	|O	|	|	|	|	48+40	1.6924	1.69	|O	|	|	|	|
43+35	1.7095	1.71	|O	|	|	|	|	48+45	1.6921	1.69	|O	|	|	|	|
43+40	1.7092	1.71	|O	|	|	|	|	48+50	1.6918	1.69	|O	|	|	|	|
43+45	1.7089	1.71	|O	|	|	|	|	48+55	1.6915	1.69	|O	|	|	|	|
43+50	1.7087	1.71	|O	|	|	|	|	49+ 0	1.6912	1.69	|O	|	|	|	|
43+55	1.7084	1.71	|O	|	|	|	|	49+ 5	1.6909	1.69	|O	|	|	|	|
44+ 0	1.7082	1.71	|O	|	|	|	|	49+10	1.6906	1.69	|O	|	|	|	|
44+ 5	1.7079	1.71	|O	|	|	|	|	49+15	1.6903	1.69	|O	|	|	|	|
44+10	1.7076	1.71	|O	|	|	|	|	49+20	1.6900	1.69	|O	|	|	|	|
44+15	1.7074	1.71	|O	|	|	|	|	49+25	1.6897	1.69	|O	|	|	|	|
44+20	1.7071	1.71	|O	|	|	|	|	49+30	1.6894	1.69	|O	|	|	|	|
44+25	1.7069	1.71	|O	|	|	|	|	49+35	1.6890	1.69	|O	|	|	|	|
44+30	1.7066	1.71	|O	|	|	|	|	49+40	1.6887	1.69	|O	|	|	|	|
44+35	1.7063	1.71	|O	|	|	|	|	49+45	1.6884	1.69	|O	|	|	|	|
44+40	1.7061	1.71	|O	|	|	|	|	49+50	1.6881	1.69	|O	|	|	|	|
44+45	1.7058	1.71	|O	|	|	|	|	49+55	1.6878	1.69	|O	|	|	|	|
44+50	1.7056	1.71	|O	|	|	|	|	50+ 0	1.6875	1.69	|O	|	|	|	|
44+55	1.7053	1.71	|O	|	|	|	|	50+ 5	1.6872	1.69	|O	|	|	|	|

50+10	1.6869	1.69	|O	|	|	|	|	55+20	1.6680	1.67	|O	|	|	|	|
50+15	1.6866	1.69	|O	|	|	|	|	55+25	1.6677	1.67	|O	|	|	|	|
50+20	1.6863	1.69	|O	|	|	|	|	55+30	1.6674	1.67	|O	|	|	|	|
50+25	1.6860	1.69	|O	|	|	|	|	55+35	1.6671	1.67	|O	|	|	|	|
50+30	1.6857	1.69	|O	|	|	|	|	55+40	1.6668	1.67	|O	|	|	|	|
50+35	1.6854	1.69	|O	|	|	|	|	55+45	1.6665	1.67	|O	|	|	|	|
50+40	1.6851	1.69	|O	|	|	|	|	55+50	1.6662	1.67	|O	|	|	|	|
50+45	1.6848	1.68	|O	|	|	|	|	55+55	1.6659	1.67	|O	|	|	|	|
50+50	1.6845	1.68	|O	|	|	|	|	56+ 0	1.6656	1.67	|O	|	|	|	|
50+55	1.6842	1.68	|O	|	|	|	|	56+ 5	1.6653	1.67	|O	|	|	|	|
51+ 0	1.6838	1.68	|O	|	|	|	|	56+10	1.6650	1.66	|O	|	|	|	|
51+ 5	1.6835	1.68	|O	|	|	|	|	56+15	1.6647	1.66	|O	|	|	|	|
51+10	1.6832	1.68	|O	|	|	|	|	56+20	1.6644	1.66	|O	|	|	|	|
51+15	1.6829	1.68	|O	|	|	|	|	56+25	1.6641	1.66	|O	|	|	|	|
51+20	1.6826	1.68	|O	|	|	|	|	56+30	1.6638	1.66	|O	|	|	|	|
51+25	1.6823	1.68	|O	|	|	|	|	56+35	1.6635	1.66	|O	|	|	|	|
51+30	1.6820	1.68	|O	|	|	|	|	56+40	1.6632	1.66	|O	|	|	|	|
51+35	1.6817	1.68	|O	|	|	|	|	56+45	1.6629	1.66	|O	|	|	|	|
51+40	1.6814	1.68	|O	|	|	|	|	56+50	1.6626	1.66	|O	|	|	|	|
51+45	1.6811	1.68	|O	|	|	|	|	56+55	1.6623	1.66	|O	|	|	|	|
51+50	1.6808	1.68	|O	|	|	|	|	57+ 0	1.6620	1.66	|O	|	|	|	|
51+55	1.6805	1.68	|O	|	|	|	|	57+ 5	1.6617	1.66	|O	|	|	|	|
52+ 0	1.6802	1.68	|O	|	|	|	|	57+10	1.6614	1.66	|O	|	|	|	|
52+ 5	1.6799	1.68	|O	|	|	|	|	57+15	1.6611	1.66	|O	|	|	|	|
52+10	1.6796	1.68	|O	|	|	|	|	57+20	1.6608	1.66	|O	|	|	|	|
52+15	1.6793	1.68	|O	|	|	|	|	57+25	1.6605	1.66	|O	|	|	|	|
52+20	1.6790	1.68	|O	|	|	|	|	57+30	1.6602	1.66	|O	|	|	|	|
52+25	1.6787	1.68	|O	|	|	|	|	57+35	1.6599	1.66	|O	|	|	|	|
52+30	1.6784	1.68	|O	|	|	|	|	57+40	1.6596	1.66	|O	|	|	|	|
52+35	1.6780	1.68	|O	|	|	|	|	57+45	1.6593	1.66	|O	|	|	|	|
52+40	1.6777	1.68	|O	|	|	|	|	57+50	1.6590	1.66	|O	|	|	|	|
52+45	1.6774	1.68	|O	|	|	|	|	57+55	1.6587	1.66	|O	|	|	|	|
52+50	1.6771	1.68	|O	|	|	|	|	58+ 0	1.6584	1.66	|O	|	|	|	|
52+55	1.6768	1.68	|O	|	|	|	|	58+ 5	1.6581	1.66	|O	|	|	|	|
53+ 0	1.6765	1.68	|O	|	|	|	|	58+10	1.6578	1.66	|O	|	|	|	|
53+ 5	1.6762	1.68	|O	|	|	|	|	58+15	1.6575	1.66	|O	|	|	|	|
53+10	1.6759	1.68	|O	|	|	|	|	58+20	1.6572	1.66	|O	|	|	|	|
53+15	1.6756	1.68	|O	|	|	|	|	58+25	1.6569	1.66	|O	|	|	|	|
53+20	1.6753	1.68	|O	|	|	|	|	58+30	1.6566	1.66	|O	|	|	|	|
53+25	1.6750	1.67	|O	|	|	|	|	58+35	1.6563	1.66	|O	|	|	|	|
53+30	1.6747	1.67	|O	|	|	|	|	58+40	1.6560	1.66	|O	|	|	|	|
53+35	1.6744	1.67	|O	|	|	|	|	58+45	1.6557	1.66	|O	|	|	|	|
53+40	1.6741	1.67	|O	|	|	|	|	58+50	1.6554	1.66	|O	|	|	|	|
53+45	1.6738	1.67	|O	|	|	|	|	58+55	1.6551	1.66	|O	|	|	|	|
53+50	1.6735	1.67	|O	|	|	|	|	59+ 0	1.6548	1.65	|O	|	|	|	|
53+55	1.6732	1.67	|O	|	|	|	|	59+ 5	1.6545	1.65	|O	|	|	|	|
54+ 0	1.6729	1.67	|O	|	|	|	|	59+10	1.6542	1.65	|O	|	|	|	|
54+ 5	1.6726	1.67	|O	|	|	|	|	59+15	1.6539	1.65	|O	|	|	|	|
54+10	1.6723	1.67	|O	|	|	|	|	59+20	1.6536	1.65	|O	|	|	|	|
54+15	1.6720	1.67	|O	|	|	|	|	59+25	1.6533	1.65	|O	|	|	|	|
54+20	1.6717	1.67	|O	|	|	|	|	59+30	1.6530	1.65	|O	|	|	|	|
54+25	1.6714	1.67	|O	|	|	|	|	59+35	1.6527	1.65	|O	|	|	|	|
54+30	1.6711	1.67	|O	|	|	|	|	59+40	1.6524	1.65	|O	|	|	|	|
54+35	1.6708	1.67	|O	|	|	|	|	59+45	1.6521	1.65	|O	|	|	|	|
54+40	1.6705	1.67	|O	|	|	|	|	59+50	1.6518	1.65	|O	|	|	|	|
54+45	1.6701	1.67	|O	|	|	|	|	59+55	1.6515	1.65	|O	|	|	|	|
54+50	1.6698	1.67	|O	|	|	|	|	60+ 0	1.6512	1.65	|O	|	|	|	|
54+55	1.6695	1.67	|O	|	|	|	|	60+ 5	1.6509	1.65	|O	|	|	|	|
55+ 0	1.6692	1.67	|O	|	|	|	|	60+10	1.6506	1.65	|O	|	|	|	|
55+ 5	1.6689	1.67	|O	|	|	|	|	60+15	1.6503	1.65	|O	|	|	|	|
55+10	1.6686	1.67	|O	|	|	|	|	60+20	1.6500	1.65	|O	|	|	|	|
55+15	1.6683	1.67	|O	|	|	|	|	60+25	1.6497	1.65	|O	|	|	|	|

60+30	1.6494	1.65	|O	|	|	|	|	65+40	1.6309	1.63	|O	|	|	|	|
60+35	1.6491	1.65	|O	|	|	|	|	65+45	1.6306	1.63	|O	|	|	|	|
60+40	1.6488	1.65	|O	|	|	|	|	65+50	1.6303	1.63	|O	|	|	|	|
60+45	1.6485	1.65	|O	|	|	|	|	65+55	1.6300	1.63	|O	|	|	|	|
60+50	1.6482	1.65	|O	|	|	|	|	66+ 0	1.6297	1.63	|O	|	|	|	|
60+55	1.6479	1.65	|O	|	|	|	|	66+ 5	1.6294	1.63	|O	|	|	|	|
61+ 0	1.6476	1.65	|O	|	|	|	|	66+10	1.6291	1.63	|O	|	|	|	|
61+ 5	1.6473	1.65	|O	|	|	|	|	66+15	1.6288	1.63	|O	|	|	|	|
61+10	1.6470	1.65	|O	|	|	|	|	66+20	1.6285	1.63	|O	|	|	|	|
61+15	1.6467	1.65	|O	|	|	|	|	66+25	1.6282	1.63	|O	|	|	|	|
61+20	1.6464	1.65	|O	|	|	|	|	66+30	1.6279	1.63	|O	|	|	|	|
61+25	1.6461	1.65	|O	|	|	|	|	66+35	1.6276	1.63	|O	|	|	|	|
61+30	1.6458	1.65	|O	|	|	|	|	66+40	1.6273	1.63	|O	|	|	|	|
61+35	1.6455	1.65	|O	|	|	|	|	66+45	1.6270	1.63	|O	|	|	|	|
61+40	1.6452	1.65	|O	|	|	|	|	66+50	1.6266	1.63	|O	|	|	|	|
61+45	1.6449	1.64	|O	|	|	|	|	66+55	1.6263	1.63	|O	|	|	|	|
61+50	1.6446	1.64	|O	|	|	|	|	67+ 0	1.6260	1.63	|O	|	|	|	|
61+55	1.6443	1.64	|O	|	|	|	|	67+ 5	1.6257	1.63	|O	|	|	|	|
62+ 0	1.6440	1.64	|O	|	|	|	|	67+10	1.6254	1.63	|O	|	|	|	|
62+ 5	1.6437	1.64	|O	|	|	|	|	67+15	1.6251	1.63	|O	|	|	|	|
62+10	1.6434	1.64	|O	|	|	|	|	67+20	1.6248	1.62	|O	|	|	|	|
62+15	1.6431	1.64	|O	|	|	|	|	67+25	1.6245	1.62	|O	|	|	|	|
62+20	1.6428	1.64	|O	|	|	|	|	67+30	1.6242	1.62	|O	|	|	|	|
62+25	1.6425	1.64	|O	|	|	|	|	67+35	1.6239	1.62	|O	|	|	|	|
62+30	1.6422	1.64	|O	|	|	|	|	67+40	1.6236	1.62	|O	|	|	|	|
62+35	1.6419	1.64	|O	|	|	|	|	67+45	1.6233	1.62	|O	|	|	|	|
62+40	1.6416	1.64	|O	|	|	|	|	67+50	1.6230	1.62	|O	|	|	|	|
62+45	1.6413	1.64	|O	|	|	|	|	67+55	1.6227	1.62	|O	|	|	|	|
62+50	1.6410	1.64	|O	|	|	|	|	68+ 0	1.6224	1.62	|O	|	|	|	|
62+55	1.6407	1.64	|O	|	|	|	|	68+ 5	1.6221	1.62	|O	|	|	|	|
63+ 0	1.6404	1.64	|O	|	|	|	|	68+10	1.6218	1.62	|O	|	|	|	|
63+ 5	1.6401	1.64	|O	|	|	|	|	68+15	1.6215	1.62	|O	|	|	|	|
63+10	1.6398	1.64	|O	|	|	|	|	68+20	1.6212	1.62	|O	|	|	|	|
63+15	1.6395	1.64	|O	|	|	|	|	68+25	1.6209	1.62	|O	|	|	|	|
63+20	1.6392	1.64	|O	|	|	|	|	68+30	1.6205	1.62	|O	|	|	|	|
63+25	1.6389	1.64	|O	|	|	|	|	68+35	1.6202	1.62	|O	|	|	|	|
63+30	1.6386	1.64	|O	|	|	|	|	68+40	1.6199	1.62	|O	|	|	|	|
63+35	1.6383	1.64	|O	|	|	|	|	68+45	1.6196	1.62	|O	|	|	|	|
63+40	1.6380	1.64	|O	|	|	|	|	68+50	1.6193	1.62	|O	|	|	|	|
63+45	1.6377	1.64	|O	|	|	|	|	68+55	1.6190	1.62	|O	|	|	|	|
63+50	1.6374	1.64	|O	|	|	|	|	69+ 0	1.6187	1.62	|O	|	|	|	|
63+55	1.6371	1.64	|O	|	|	|	|	69+ 5	1.6184	1.62	|O	|	|	|	|
64+ 0	1.6368	1.64	|O	|	|	|	|	69+10	1.6181	1.62	|O	|	|	|	|
64+ 5	1.6365	1.64	|O	|	|	|	|	69+15	1.6178	1.62	|O	|	|	|	|
64+10	1.6362	1.64	|O	|	|	|	|	69+20	1.6175	1.62	|O	|	|	|	|
64+15	1.6359	1.64	|O	|	|	|	|	69+25	1.6172	1.62	|O	|	|	|	|
64+20	1.6356	1.64	|O	|	|	|	|	69+30	1.6169	1.62	|O	|	|	|	|
64+25	1.6353	1.64	|O	|	|	|	|	69+35	1.6166	1.62	|O	|	|	|	|
64+30	1.6351	1.64	|O	|	|	|	|	69+40	1.6163	1.62	|O	|	|	|	|
64+35	1.6348	1.63	|O	|	|	|	|	69+45	1.6160	1.62	|O	|	|	|	|
64+40	1.6345	1.63	|O	|	|	|	|	69+50	1.6157	1.62	|O	|	|	|	|
64+45	1.6342	1.63	|O	|	|	|	|	69+55	1.6154	1.62	|O	|	|	|	|
64+50	1.6339	1.63	|O	|	|	|	|	70+ 0	1.6151	1.62	|O	|	|	|	|
64+55	1.6336	1.63	|O	|	|	|	|	70+ 5	1.6148	1.61	|O	|	|	|	|
65+ 0	1.6333	1.63	|O	|	|	|	|	70+10	1.6145	1.61	|O	|	|	|	|
65+ 5	1.6330	1.63	|O	|	|	|	|	70+15	1.6142	1.61	|O	|	|	|	|
65+10	1.6327	1.63	|O	|	|	|	|	70+20	1.6139	1.61	|O	|	|	|	|
65+15	1.6324	1.63	|O	|	|	|	|	70+25	1.6136	1.61	|O	|	|	|	|
65+20	1.6321	1.63	|O	|	|	|	|	70+30	1.6133	1.61	|O	|	|	|	|
65+25	1.6318	1.63	|O	|	|	|	|	70+35	1.6129	1.61	|O	|	|	|	|
65+30	1.6315	1.63	|O	|	|	|	|	70+40	1.6126	1.61	|O	|	|	|	|
65+35	1.6312	1.63	|O	|	|	|	|	70+45	1.6123	1.61	|O	|	|	|	|

70+50	1.6120	1.61	O					76+ 0	1.5934	1.59	O				
70+55	1.6117	1.61	O					76+ 5	1.5931	1.59	O				
71+ 0	1.6114	1.61	O					76+10	1.5928	1.59	O				
71+ 5	1.6111	1.61	O					76+15	1.5925	1.59	O				
71+10	1.6108	1.61	O					76+20	1.5922	1.59	O				
71+15	1.6105	1.61	O					76+25	1.5919	1.59	O				
71+20	1.6102	1.61	O					76+30	1.5916	1.59	O				
71+25	1.6099	1.61	O					76+35	1.5913	1.59	O				
71+30	1.6096	1.61	O					76+40	1.5910	1.59	O				
71+35	1.6093	1.61	O					76+45	1.5907	1.59	O				
71+40	1.6090	1.61	O					76+50	1.5904	1.59	O				
71+45	1.6087	1.61	O					76+55	1.5901	1.59	O				
71+50	1.6084	1.61	O					77+ 0	1.5898	1.59	O				
71+55	1.6081	1.61	O					77+ 5	1.5895	1.59	O				
72+ 0	1.6078	1.61	O					77+10	1.5892	1.59	O				
72+ 5	1.6075	1.61	O					77+15	1.5889	1.59	O				
72+10	1.6072	1.61	O					77+20	1.5886	1.59	O				
72+15	1.6069	1.61	O					77+25	1.5883	1.59	O				
72+20	1.6066	1.61	O					77+30	1.5880	1.59	O				
72+25	1.6063	1.61	O					77+35	1.5877	1.59	O				
72+30	1.6060	1.61	O					77+40	1.5874	1.59	O				
72+35	1.6057	1.61	O					77+45	1.5871	1.59	O				
72+40	1.6054	1.61	O					77+50	1.5868	1.59	O				
72+45	1.6051	1.61	O					77+55	1.5865	1.59	O				
72+50	1.6048	1.60	O					78+ 0	1.5862	1.59	O				
72+55	1.6045	1.60	O					78+ 5	1.5859	1.59	O				
73+ 0	1.6042	1.60	O					78+10	1.5856	1.59	O				
73+ 5	1.6039	1.60	O					78+15	1.5853	1.59	O				
73+10	1.6036	1.60	O					78+20	1.5850	1.58	O				
73+15	1.6033	1.60	O					78+25	1.5847	1.58	O				
73+20	1.6030	1.60	O					78+30	1.5844	1.58	O				
73+25	1.6027	1.60	O					78+35	1.5841	1.58	O				
73+30	1.6024	1.60	O					78+40	1.5838	1.58	O				
73+35	1.6021	1.60	O					78+45	1.5835	1.58	O				
73+40	1.6018	1.60	O					78+50	1.5832	1.58	O				
73+45	1.6015	1.60	O					78+55	1.5829	1.58	O				
73+50	1.6012	1.60	O					79+ 0	1.5826	1.58	O				
73+55	1.6009	1.60	O					79+ 5	1.5823	1.58	O				
74+ 0	1.6006	1.60	O					79+10	1.5820	1.58	O				
74+ 5	1.6003	1.60	O					79+15	1.5817	1.58	O				
74+10	1.6000	1.60	O					79+20	1.5814	1.58	O				
74+15	1.5997	1.60	O					79+25	1.5811	1.58	O				
74+20	1.5994	1.60	O					79+30	1.5808	1.58	O				
74+25	1.5991	1.60	O					79+35	1.5805	1.58	O				
74+30	1.5988	1.60	O					79+40	1.5802	1.58	O				
74+35	1.5985	1.60	O					79+45	1.5799	1.58	O				
74+40	1.5982	1.60	O					79+50	1.5796	1.58	O				
74+45	1.5979	1.60	O					79+55	1.5794	1.58	O				
74+50	1.5976	1.60	O					80+ 0	1.5791	1.58	O				
74+55	1.5973	1.60	O					80+ 5	1.5788	1.58	O				
75+ 0	1.5970	1.60	O					80+10	1.5785	1.58	O				
75+ 5	1.5967	1.60	O					80+15	1.5782	1.58	O				
75+10	1.5964	1.60	O					80+20	1.5779	1.58	O				
75+15	1.5961	1.60	O					80+25	1.5776	1.58	O				
75+20	1.5958	1.60	O					80+30	1.5773	1.58	O				
75+25	1.5955	1.60	O					80+35	1.5770	1.58	O				
75+30	1.5952	1.60	O					80+40	1.5767	1.58	O				
75+35	1.5949	1.59	O					80+45	1.5764	1.58	O				
75+40	1.5946	1.59	O					80+50	1.5761	1.58	O				
75+45	1.5943	1.59	O					80+55	1.5758	1.58	O				
75+50	1.5940	1.59	O					81+ 0	1.5755	1.58	O				
75+55	1.5937	1.59	O					81+ 5	1.5752	1.58	O				

81+10	1.5749	1.57	|O	|	|	|	|	86+20	1.5565	1.56	|O	|	|	|	|
81+15	1.5746	1.57	|O	|	|	|	|	86+25	1.5562	1.56	|O	|	|	|	|
81+20	1.5743	1.57	|O	|	|	|	|	86+30	1.5559	1.56	|O	|	|	|	|
81+25	1.5740	1.57	|O	|	|	|	|	86+35	1.5556	1.56	|O	|	|	|	|
81+30	1.5737	1.57	|O	|	|	|	|	86+40	1.5553	1.56	|O	|	|	|	|
81+35	1.5734	1.57	|O	|	|	|	|	86+45	1.5549	1.55	|O	|	|	|	|
81+40	1.5731	1.57	|O	|	|	|	|	86+50	1.5546	1.55	|O	|	|	|	|
81+45	1.5728	1.57	|O	|	|	|	|	86+55	1.5543	1.55	|O	|	|	|	|
81+50	1.5725	1.57	|O	|	|	|	|	87+ 0	1.5540	1.55	|O	|	|	|	|
81+55	1.5722	1.57	|O	|	|	|	|	87+ 5	1.5537	1.55	|O	|	|	|	|
82+ 0	1.5719	1.57	|O	|	|	|	|	87+10	1.5534	1.55	|O	|	|	|	|
82+ 5	1.5717	1.57	|O	|	|	|	|	87+15	1.5531	1.55	|O	|	|	|	|
82+10	1.5714	1.57	|O	|	|	|	|	87+20	1.5528	1.55	|O	|	|	|	|
82+15	1.5711	1.57	|O	|	|	|	|	87+25	1.5525	1.55	|O	|	|	|	|
82+20	1.5708	1.57	|O	|	|	|	|	87+30	1.5522	1.55	|O	|	|	|	|
82+25	1.5705	1.57	|O	|	|	|	|	87+35	1.5519	1.55	|O	|	|	|	|
82+30	1.5702	1.57	|O	|	|	|	|	87+40	1.5516	1.55	|O	|	|	|	|
82+35	1.5699	1.57	|O	|	|	|	|	87+45	1.5513	1.55	|O	|	|	|	|
82+40	1.5696	1.57	|O	|	|	|	|	87+50	1.5510	1.55	|O	|	|	|	|
82+45	1.5693	1.57	|O	|	|	|	|	87+55	1.5506	1.55	|O	|	|	|	|
82+50	1.5690	1.57	|O	|	|	|	|	88+ 0	1.5503	1.55	|O	|	|	|	|
82+55	1.5687	1.57	|O	|	|	|	|	88+ 5	1.5500	1.55	|O	|	|	|	|
83+ 0	1.5684	1.57	|O	|	|	|	|	88+10	1.5497	1.55	|O	|	|	|	|
83+ 5	1.5681	1.57	|O	|	|	|	|	88+15	1.5494	1.55	|O	|	|	|	|
83+10	1.5678	1.57	|O	|	|	|	|	88+20	1.5491	1.55	|O	|	|	|	|
83+15	1.5675	1.57	|O	|	|	|	|	88+25	1.5488	1.55	|O	|	|	|	|
83+20	1.5672	1.57	|O	|	|	|	|	88+30	1.5485	1.55	|O	|	|	|	|
83+25	1.5669	1.57	|O	|	|	|	|	88+35	1.5482	1.55	|O	|	|	|	|
83+30	1.5666	1.57	|O	|	|	|	|	88+40	1.5479	1.55	|O	|	|	|	|
83+35	1.5663	1.57	|O	|	|	|	|	88+45	1.5476	1.55	|O	|	|	|	|
83+40	1.5660	1.57	|O	|	|	|	|	88+50	1.5473	1.55	|O	|	|	|	|
83+45	1.5658	1.57	|O	|	|	|	|	88+55	1.5470	1.55	|O	|	|	|	|
83+50	1.5655	1.57	|O	|	|	|	|	89+ 0	1.5467	1.55	|O	|	|	|	|
83+55	1.5652	1.57	|O	|	|	|	|	89+ 5	1.5464	1.55	|O	|	|	|	|
84+ 0	1.5649	1.56	|O	|	|	|	|	89+10	1.5460	1.55	|O	|	|	|	|
84+ 5	1.5646	1.56	|O	|	|	|	|	89+15	1.5457	1.55	|O	|	|	|	|
84+10	1.5643	1.56	|O	|	|	|	|	89+20	1.5454	1.55	|O	|	|	|	|
84+15	1.5640	1.56	|O	|	|	|	|	89+25	1.5451	1.55	|O	|	|	|	|
84+20	1.5637	1.56	|O	|	|	|	|	89+30	1.5448	1.54	|O	|	|	|	|
84+25	1.5634	1.56	|O	|	|	|	|	89+35	1.5445	1.54	|O	|	|	|	|
84+30	1.5631	1.56	|O	|	|	|	|	89+40	1.5442	1.54	|O	|	|	|	|
84+35	1.5628	1.56	|O	|	|	|	|	89+45	1.5439	1.54	|O	|	|	|	|
84+40	1.5625	1.56	|O	|	|	|	|	89+50	1.5436	1.54	|O	|	|	|	|
84+45	1.5622	1.56	|O	|	|	|	|	89+55	1.5433	1.54	|O	|	|	|	|
84+50	1.5619	1.56	|O	|	|	|	|	90+ 0	1.5430	1.54	|O	|	|	|	|
84+55	1.5616	1.56	|O	|	|	|	|	90+ 5	1.5427	1.54	|O	|	|	|	|
85+ 0	1.5613	1.56	|O	|	|	|	|	90+10	1.5424	1.54	|O	|	|	|	|
85+ 5	1.5611	1.56	|O	|	|	|	|	90+15	1.5421	1.54	|O	|	|	|	|
85+10	1.5608	1.56	|O	|	|	|	|	90+20	1.5418	1.54	|O	|	|	|	|
85+15	1.5605	1.56	|O	|	|	|	|	90+25	1.5415	1.54	|O	|	|	|	|
85+20	1.5602	1.56	|O	|	|	|	|	90+30	1.5412	1.54	|O	|	|	|	|
85+25	1.5599	1.56	|O	|	|	|	|	90+35	1.5409	1.54	|O	|	|	|	|
85+30	1.5596	1.56	|O	|	|	|	|	90+40	1.5406	1.54	|O	|	|	|	|
85+35	1.5593	1.56	|O	|	|	|	|	90+45	1.5402	1.54	|O	|	|	|	|
85+40	1.5589	1.56	|O	|	|	|	|	90+50	1.5399	1.54	|O	|	|	|	|
85+45	1.5586	1.56	|O	|	|	|	|	90+55	1.5396	1.54	|O	|	|	|	|
85+50	1.5583	1.56	|O	|	|	|	|	91+ 0	1.5393	1.54	|O	|	|	|	|
85+55	1.5580	1.56	|O	|	|	|	|	91+ 5	1.5390	1.54	|O	|	|	|	|
86+ 0	1.5577	1.56	|O	|	|	|	|	91+10	1.5387	1.54	|O	|	|	|	|
86+ 5	1.5574	1.56	|O	|	|	|	|	91+15	1.5384	1.54	|O	|	|	|	|
86+10	1.5571	1.56	|O	|	|	|	|	91+20	1.5381	1.54	|O	|	|	|	|
86+15	1.5568	1.56	|O	|	|	|	|	91+25	1.5378	1.54	|O	|	|	|	|

91+30	1.5375	1.54	|O	|	|	|	|	96+40	1.5188	1.52	|O	|	|	|	|
91+35	1.5372	1.54	|O	|	|	|	|	96+45	1.5185	1.52	|O	|	|	|	|
91+40	1.5369	1.54	|O	|	|	|	|	96+50	1.5182	1.52	|O	|	|	|	|
91+45	1.5366	1.54	|O	|	|	|	|	96+55	1.5179	1.52	|O	|	|	|	|
91+50	1.5363	1.54	|O	|	|	|	|	97+ 0	1.5176	1.52	|O	|	|	|	|
91+55	1.5360	1.54	|O	|	|	|	|	97+ 5	1.5173	1.52	|O	|	|	|	|
92+ 0	1.5357	1.54	|O	|	|	|	|	97+10	1.5170	1.52	|O	|	|	|	|
92+ 5	1.5354	1.54	|O	|	|	|	|	97+15	1.5167	1.52	|O	|	|	|	|
92+10	1.5351	1.54	|O	|	|	|	|	97+20	1.5164	1.52	|O	|	|	|	|
92+15	1.5348	1.53	|O	|	|	|	|	97+25	1.5161	1.52	|O	|	|	|	|
92+20	1.5345	1.53	|O	|	|	|	|	97+30	1.5158	1.52	|O	|	|	|	|
92+25	1.5342	1.53	|O	|	|	|	|	97+35	1.5155	1.52	|O	|	|	|	|
92+30	1.5339	1.53	|O	|	|	|	|	97+40	1.5152	1.52	|O	|	|	|	|
92+35	1.5336	1.53	|O	|	|	|	|	97+45	1.5149	1.51	|O	|	|	|	|
92+40	1.5333	1.53	|O	|	|	|	|	97+50	1.5146	1.51	|O	|	|	|	|
92+45	1.5330	1.53	|O	|	|	|	|	97+55	1.5143	1.51	|O	|	|	|	|
92+50	1.5327	1.53	|O	|	|	|	|	98+ 0	1.5140	1.51	|O	|	|	|	|
92+55	1.5323	1.53	|O	|	|	|	|	98+ 5	1.5137	1.51	|O	|	|	|	|
93+ 0	1.5320	1.53	|O	|	|	|	|	98+10	1.5134	1.51	|O	|	|	|	|
93+ 5	1.5317	1.53	|O	|	|	|	|	98+15	1.5131	1.51	|O	|	|	|	|
93+10	1.5314	1.53	|O	|	|	|	|	98+20	1.5128	1.51	|O	|	|	|	|
93+15	1.5311	1.53	|O	|	|	|	|	98+25	1.5125	1.51	|O	|	|	|	|
93+20	1.5308	1.53	|O	|	|	|	|	98+30	1.5122	1.51	|O	|	|	|	|
93+25	1.5305	1.53	|O	|	|	|	|	98+35	1.5119	1.51	|O	|	|	|	|
93+30	1.5302	1.53	|O	|	|	|	|	98+40	1.5116	1.51	|O	|	|	|	|
93+35	1.5299	1.53	|O	|	|	|	|	98+45	1.5113	1.51	|O	|	|	|	|
93+40	1.5296	1.53	|O	|	|	|	|	98+50	1.5110	1.51	|O	|	|	|	|
93+45	1.5293	1.53	|O	|	|	|	|	98+55	1.5107	1.51	|O	|	|	|	|
93+50	1.5290	1.53	|O	|	|	|	|	99+ 0	1.5104	1.51	|O	|	|	|	|
93+55	1.5287	1.53	|O	|	|	|	|	99+ 5	1.5101	1.51	|O	|	|	|	|
94+ 0	1.5284	1.53	|O	|	|	|	|	99+10	1.5098	1.51	|O	|	|	|	|
94+ 5	1.5281	1.53	|O	|	|	|	|	99+15	1.5095	1.51	|O	|	|	|	|
94+10	1.5278	1.53	|O	|	|	|	|	99+20	1.5092	1.51	|O	|	|	|	|
94+15	1.5275	1.53	|O	|	|	|	|	99+25	1.5089	1.51	|O	|	|	|	|
94+20	1.5272	1.53	|O	|	|	|	|	99+30	1.5086	1.51	|O	|	|	|	|
94+25	1.5269	1.53	|O	|	|	|	|	99+35	1.5083	1.51	|O	|	|	|	|
94+30	1.5266	1.53	|O	|	|	|	|	99+40	1.5080	1.51	|O	|	|	|	|
94+35	1.5263	1.53	|O	|	|	|	|	99+45	1.5077	1.51	|O	|	|	|	|
94+40	1.5260	1.53	|O	|	|	|	|	99+50	1.5074	1.51	|O	|	|	|	|
94+45	1.5257	1.53	|O	|	|	|	|	99+55	1.5071	1.51	|O	|	|	|	|
94+50	1.5254	1.53	|O	|	|	|	|	100+ 0	1.5068	1.51	|O	|	|	|	|
94+55	1.5251	1.53	|O	|	|	|	|	100+ 5	1.5065	1.51	|O	|	|	|	|
95+ 0	1.5248	1.52	|O	|	|	|	|	100+10	1.5062	1.51	|O	|	|	|	|
95+ 5	1.5245	1.52	|O	|	|	|	|	100+15	1.5059	1.51	|O	|	|	|	|
95+10	1.5242	1.52	|O	|	|	|	|	100+20	1.5056	1.51	|O	|	|	|	|
95+15	1.5239	1.52	|O	|	|	|	|	100+25	1.5053	1.51	|O	|	|	|	|
95+20	1.5236	1.52	|O	|	|	|	|	100+30	1.5050	1.50	|O	|	|	|	|
95+25	1.5233	1.52	|O	|	|	|	|	100+35	1.5047	1.50	|O	|	|	|	|
95+30	1.5230	1.52	|O	|	|	|	|	100+40	1.5044	1.50	|O	|	|	|	|
95+35	1.5227	1.52	|O	|	|	|	|	100+45	1.5041	1.50	|O	|	|	|	|
95+40	1.5224	1.52	|O	|	|	|	|	100+50	1.5038	1.50	|O	|	|	|	|
95+45	1.5221	1.52	|O	|	|	|	|	100+55	1.5035	1.50	|O	|	|	|	|
95+50	1.5218	1.52	|O	|	|	|	|	101+ 0	1.5032	1.50	|O	|	|	|	|
95+55	1.5215	1.52	|O	|	|	|	|	101+ 5	1.5029	1.50	|O	|	|	|	|
96+ 0	1.5212	1.52	|O	|	|	|	|	101+10	1.5026	1.50	|O	|	|	|	|
96+ 5	1.5209	1.52	|O	|	|	|	|	101+15	1.5023	1.50	|O	|	|	|	|
96+10	1.5206	1.52	|O	|	|	|	|	101+20	1.5020	1.50	|O	|	|	|	|
96+15	1.5203	1.52	|O	|	|	|	|	101+25	1.5017	1.50	|O	|	|	|	|
96+20	1.5200	1.52	|O	|	|	|	|	101+30	1.5014	1.50	|O	|	|	|	|
96+25	1.5197	1.52	|O	|	|	|	|	101+35	1.5011	1.50	|O	|	|	|	|
96+30	1.5194	1.52	|O	|	|	|	|	101+40	1.5008	1.50	|O	|	|	|	|
96+35	1.5191	1.52	|O	|	|	|	|	101+45	1.5006	1.50	|O	|	|	|	|

101+50	1.5003	1.50	O					107+ 0	1.4803	1.48	O				
101+55	1.5000	1.50	O					107+ 5	1.4800	1.48	O				
102+ 0	1.4997	1.50	O					107+10	1.4796	1.48	O				
102+ 5	1.4994	1.50	O					107+15	1.4793	1.48	O				
102+10	1.4991	1.50	O					107+20	1.4789	1.48	O				
102+15	1.4988	1.50	O					107+25	1.4786	1.48	O				
102+20	1.4985	1.50	O					107+30	1.4782	1.48	O				
102+25	1.4982	1.50	O					107+35	1.4779	1.48	O				
102+30	1.4979	1.50	O					107+40	1.4775	1.48	O				
102+35	1.4976	1.50	O					107+45	1.4772	1.48	O				
102+40	1.4973	1.50	O					107+50	1.4768	1.48	O				
102+45	1.4970	1.50	O					107+55	1.4765	1.48	O				
102+50	1.4967	1.50	O					108+ 0	1.4761	1.48	O				
102+55	1.4964	1.50	O					108+ 5	1.4758	1.48	O				
103+ 0	1.4961	1.50	O					108+10	1.4754	1.48	O				
103+ 5	1.4958	1.50	O					108+15	1.4751	1.48	O				
103+10	1.4955	1.50	O					108+20	1.4747	1.47	O				
103+15	1.4952	1.50	O					108+25	1.4743	1.47	O				
103+20	1.4949	1.49	O					108+30	1.4740	1.47	O				
103+25	1.4946	1.49	O					108+35	1.4736	1.47	O				
103+30	1.4943	1.49	O					108+40	1.4733	1.47	O				
103+35	1.4940	1.49	O					108+45	1.4729	1.47	O				
103+40	1.4937	1.49	O					108+50	1.4726	1.47	O				
103+45	1.4934	1.49	O					108+55	1.4722	1.47	O				
103+50	1.4931	1.49	O					109+ 0	1.4719	1.47	O				
103+55	1.4929	1.49	O					109+ 5	1.4715	1.47	O				
104+ 0	1.4926	1.49	O					109+10	1.4712	1.47	O				
104+ 5	1.4923	1.49	O					109+15	1.4708	1.47	O				
104+10	1.4920	1.49	O					109+20	1.4705	1.47	O				
104+15	1.4917	1.49	O					109+25	1.4701	1.47	O				
104+20	1.4914	1.49	O					109+30	1.4698	1.47	O				
104+25	1.4911	1.49	O					109+35	1.4694	1.47	O				
104+30	1.4908	1.49	O					109+40	1.4691	1.47	O				
104+35	1.4905	1.49	O					109+45	1.4687	1.47	O				
104+40	1.4902	1.49	O					109+50	1.4684	1.47	O				
104+45	1.4899	1.49	O					109+55	1.4680	1.47	O				
104+50	1.4895	1.49	O					110+ 0	1.4677	1.47	O				
104+55	1.4892	1.49	O					110+ 5	1.4673	1.47	O				
105+ 0	1.4888	1.49	O					110+10	1.4670	1.47	O				
105+ 5	1.4885	1.49	O					110+15	1.4666	1.47	O				
105+10	1.4881	1.49	O					110+20	1.4663	1.47	O				
105+15	1.4878	1.49	O					110+25	1.4659	1.47	O				
105+20	1.4874	1.49	O					110+30	1.4656	1.47	O				
105+25	1.4870	1.49	O					110+35	1.4652	1.47	O				
105+30	1.4867	1.49	O					110+40	1.4649	1.46	O				
105+35	1.4863	1.49	O					110+45	1.4645	1.46	O				
105+40	1.4860	1.49	O					110+50	1.4642	1.46	O				
105+45	1.4856	1.49	O					110+55	1.4638	1.46	O				
105+50	1.4853	1.49	O					111+ 0	1.4635	1.46	O				
105+55	1.4849	1.48	O					111+ 5	1.4632	1.46	O				
106+ 0	1.4846	1.48	O					111+10	1.4628	1.46	O				
106+ 5	1.4842	1.48	O					111+15	1.4625	1.46	O				
106+10	1.4839	1.48	O					111+20	1.4621	1.46	O				
106+15	1.4835	1.48	O					111+25	1.4618	1.46	O				
106+20	1.4832	1.48	O					111+30	1.4614	1.46	O				
106+25	1.4828	1.48	O					111+35	1.4611	1.46	O				
106+30	1.4824	1.48	O					111+40	1.4607	1.46	O				
106+35	1.4821	1.48	O					111+45	1.4604	1.46	O				
106+40	1.4817	1.48	O					111+50	1.4600	1.46	O				
106+45	1.4814	1.48	O					111+55	1.4597	1.46	O				
106+50	1.4810	1.48	O					112+ 0	1.4593	1.46	O				
106+55	1.4807	1.48	O					112+ 5	1.4590	1.46	O				

112+10	1.4586	1.46	|O	|	|	|	|	117+20	1.4372	1.44	|O	|	|	|	|
112+15	1.4583	1.46	|O	|	|	|	|	117+25	1.4369	1.44	|O	|	|	|	|
112+20	1.4579	1.46	|O	|	|	|	|	117+30	1.4366	1.44	|O	|	|	|	|
112+25	1.4576	1.46	|O	|	|	|	|	117+35	1.4362	1.44	|O	|	|	|	|
112+30	1.4572	1.46	|O	|	|	|	|	117+40	1.4359	1.44	|O	|	|	|	|
112+35	1.4569	1.46	|O	|	|	|	|	117+45	1.4355	1.44	|O	|	|	|	|
112+40	1.4565	1.46	|O	|	|	|	|	117+50	1.4352	1.44	|O	|	|	|	|
112+45	1.4562	1.46	|O	|	|	|	|	117+55	1.4349	1.43	|O	|	|	|	|
112+50	1.4559	1.46	|O	|	|	|	|	118+ 0	1.4345	1.43	|O	|	|	|	|
112+55	1.4555	1.46	|O	|	|	|	|	118+ 5	1.4342	1.43	|O	|	|	|	|
113+ 0	1.4552	1.46	|O	|	|	|	|	118+10	1.4338	1.43	|O	|	|	|	|
113+ 5	1.4548	1.45	|O	|	|	|	|	118+15	1.4335	1.43	|O	|	|	|	|
113+10	1.4545	1.45	|O	|	|	|	|	118+20	1.4331	1.43	|O	|	|	|	|
113+15	1.4541	1.45	|O	|	|	|	|	118+25	1.4328	1.43	|O	|	|	|	|
113+20	1.4538	1.45	|O	|	|	|	|	118+30	1.4325	1.43	|O	|	|	|	|
113+25	1.4534	1.45	|O	|	|	|	|	118+35	1.4321	1.43	|O	|	|	|	|
113+30	1.4531	1.45	|O	|	|	|	|	118+40	1.4318	1.43	|O	|	|	|	|
113+35	1.4527	1.45	|O	|	|	|	|	118+45	1.4314	1.43	|O	|	|	|	|
113+40	1.4524	1.45	|O	|	|	|	|	118+50	1.4311	1.43	|O	|	|	|	|
113+45	1.4520	1.45	|O	|	|	|	|	118+55	1.4308	1.43	|O	|	|	|	|
113+50	1.4517	1.45	|O	|	|	|	|	119+ 0	1.4304	1.43	|O	|	|	|	|
113+55	1.4514	1.45	|O	|	|	|	|	119+ 5	1.4301	1.43	|O	|	|	|	|
114+ 0	1.4510	1.45	|O	|	|	|	|	119+10	1.4297	1.43	|O	|	|	|	|
114+ 5	1.4507	1.45	|O	|	|	|	|	119+15	1.4294	1.43	|O	|	|	|	|
114+10	1.4503	1.45	|O	|	|	|	|	119+20	1.4291	1.43	|O	|	|	|	|
114+15	1.4500	1.45	|O	|	|	|	|	119+25	1.4287	1.43	|O	|	|	|	|
114+20	1.4496	1.45	|O	|	|	|	|	119+30	1.4284	1.43	|O	|	|	|	|
114+25	1.4493	1.45	|O	|	|	|	|	119+35	1.4280	1.43	|O	|	|	|	|
114+30	1.4489	1.45	|O	|	|	|	|	119+40	1.4277	1.43	|O	|	|	|	|
114+35	1.4486	1.45	|O	|	|	|	|	119+45	1.4274	1.43	|O	|	|	|	|
114+40	1.4482	1.45	|O	|	|	|	|	119+50	1.4270	1.43	|O	|	|	|	|
114+45	1.4479	1.45	|O	|	|	|	|	119+55	1.4267	1.43	|O	|	|	|	|
114+50	1.4476	1.45	|O	|	|	|	|	120+ 0	1.4263	1.43	|O	|	|	|	|
114+55	1.4472	1.45	|O	|	|	|	|	120+ 5	1.4260	1.43	|O	|	|	|	|
115+ 0	1.4469	1.45	|O	|	|	|	|	120+10	1.4257	1.43	|O	|	|	|	|
115+ 5	1.4465	1.45	|O	|	|	|	|	120+15	1.4253	1.43	|O	|	|	|	|
115+10	1.4462	1.45	|O	|	|	|	|	120+20	1.4250	1.42	|O	|	|	|	|
115+15	1.4458	1.45	|O	|	|	|	|	120+25	1.4246	1.42	|O	|	|	|	|
115+20	1.4455	1.45	|O	|	|	|	|	120+30	1.4243	1.42	|O	|	|	|	|
115+25	1.4451	1.45	|O	|	|	|	|	120+35	1.4240	1.42	|O	|	|	|	|
115+30	1.4448	1.44	|O	|	|	|	|	120+40	1.4236	1.42	|O	|	|	|	|
115+35	1.4445	1.44	|O	|	|	|	|	120+45	1.4233	1.42	|O	|	|	|	|
115+40	1.4441	1.44	|O	|	|	|	|	120+50	1.4229	1.42	|O	|	|	|	|
115+45	1.4438	1.44	|O	|	|	|	|	120+55	1.4226	1.42	|O	|	|	|	|
115+50	1.4434	1.44	|O	|	|	|	|	121+ 0	1.4223	1.42	|O	|	|	|	|
115+55	1.4431	1.44	|O	|	|	|	|	121+ 5	1.4219	1.42	|O	|	|	|	|
116+ 0	1.4427	1.44	|O	|	|	|	|	121+10	1.4216	1.42	|O	|	|	|	|
116+ 5	1.4424	1.44	|O	|	|	|	|	121+15	1.4212	1.42	|O	|	|	|	|
116+10	1.4420	1.44	|O	|	|	|	|	121+20	1.4209	1.42	|O	|	|	|	|
116+15	1.4417	1.44	|O	|	|	|	|	121+25	1.4206	1.42	|O	|	|	|	|
116+20	1.4414	1.44	|O	|	|	|	|	121+30	1.4202	1.42	|O	|	|	|	|
116+25	1.4410	1.44	|O	|	|	|	|	121+35	1.4199	1.42	|O	|	|	|	|
116+30	1.4407	1.44	|O	|	|	|	|	121+40	1.4196	1.42	|O	|	|	|	|
116+35	1.4403	1.44	|O	|	|	|	|	121+45	1.4192	1.42	|O	|	|	|	|
116+40	1.4400	1.44	|O	|	|	|	|	121+50	1.4189	1.42	|O	|	|	|	|
116+45	1.4396	1.44	|O	|	|	|	|	121+55	1.4185	1.42	|O	|	|	|	|
116+50	1.4393	1.44	|O	|	|	|	|	122+ 0	1.4182	1.42	|O	|	|	|	|
116+55	1.4390	1.44	|O	|	|	|	|	122+ 5	1.4179	1.42	|O	|	|	|	|
117+ 0	1.4386	1.44	|O	|	|	|	|	122+10	1.4175	1.42	|O	|	|	|	|
117+ 5	1.4383	1.44	|O	|	|	|	|	122+15	1.4172	1.42	|O	|	|	|	|
117+10	1.4379	1.44	|O	|	|	|	|	122+20	1.4168	1.42	|O	|	|	|	|
117+15	1.4376	1.44	|O	|	|	|	|	122+25	1.4165	1.42	|O	|	|	|	|

122+30	1.4162	1.42	O					127+40	1.3946	1.39	O				
122+35	1.4158	1.42	O					127+45	1.3942	1.39	O				
122+40	1.4155	1.42	O					127+50	1.3939	1.39	O				
122+45	1.4152	1.42	O					127+55	1.3935	1.39	O				
122+50	1.4148	1.41	O					128+ 0	1.3932	1.39	O				
122+55	1.4145	1.41	O					128+ 5	1.3928	1.39	O				
123+ 0	1.4142	1.41	O					128+10	1.3925	1.39	O				
123+ 5	1.4138	1.41	O					128+15	1.3921	1.39	O				
123+10	1.4135	1.41	O					128+20	1.3918	1.39	O				
123+15	1.4131	1.41	O					128+25	1.3914	1.39	O				
123+20	1.4128	1.41	O					128+30	1.3911	1.39	O				
123+25	1.4125	1.41	O					128+35	1.3907	1.39	O				
123+30	1.4121	1.41	O					128+40	1.3904	1.39	O				
123+35	1.4118	1.41	O					128+45	1.3900	1.39	O				
123+40	1.4115	1.41	O					128+50	1.3897	1.39	O				
123+45	1.4111	1.41	O					128+55	1.3893	1.39	O				
123+50	1.4108	1.41	O					129+ 0	1.3890	1.39	O				
123+55	1.4105	1.41	O					129+ 5	1.3886	1.39	O				
124+ 0	1.4101	1.41	O					129+10	1.3883	1.39	O				
124+ 5	1.4098	1.41	O					129+15	1.3879	1.39	O				
124+10	1.4094	1.41	O					129+20	1.3876	1.39	O				
124+15	1.4091	1.41	O					129+25	1.3873	1.39	O				
124+20	1.4087	1.41	O					129+30	1.3869	1.39	O				
124+25	1.4083	1.41	O					129+35	1.3866	1.39	O				
124+30	1.4080	1.41	O					129+40	1.3862	1.39	O				
124+35	1.4076	1.41	O					129+45	1.3859	1.39	O				
124+40	1.4073	1.41	O					129+50	1.3855	1.39	O				
124+45	1.4069	1.41	O					129+55	1.3852	1.39	O				
124+50	1.4066	1.41	O					130+ 0	1.3848	1.38	O				
124+55	1.4062	1.41	O					130+ 5	1.3845	1.38	O				
125+ 0	1.4059	1.41	O					130+10	1.3841	1.38	O				
125+ 5	1.4055	1.41	O					130+15	1.3838	1.38	O				
125+10	1.4052	1.41	O					130+20	1.3834	1.38	O				
125+15	1.4048	1.40	O					130+25	1.3831	1.38	O				
125+20	1.4045	1.40	O					130+30	1.3827	1.38	O				
125+25	1.4041	1.40	O					130+35	1.3824	1.38	O				
125+30	1.4038	1.40	O					130+40	1.3820	1.38	O				
125+35	1.4034	1.40	O					130+45	1.3817	1.38	O				
125+40	1.4030	1.40	O					130+50	1.3813	1.38	O				
125+45	1.4027	1.40	O					130+55	1.3810	1.38	O				
125+50	1.4023	1.40	O					131+ 0	1.3806	1.38	O				
125+55	1.4020	1.40	O					131+ 5	1.3803	1.38	O				
126+ 0	1.4016	1.40	O					131+10	1.3799	1.38	O				
126+ 5	1.4013	1.40	O					131+15	1.3796	1.38	O				
126+10	1.4009	1.40	O					131+20	1.3792	1.38	O				
126+15	1.4006	1.40	O					131+25	1.3789	1.38	O				
126+20	1.4002	1.40	O					131+30	1.3786	1.38	O				
126+25	1.3999	1.40	O					131+35	1.3782	1.38	O				
126+30	1.3995	1.40	O					131+40	1.3779	1.38	O				
126+35	1.3992	1.40	O					131+45	1.3775	1.38	O				
126+40	1.3988	1.40	O					131+50	1.3772	1.38	O				
126+45	1.3985	1.40	O					131+55	1.3768	1.38	O				
126+50	1.3981	1.40	O					132+ 0	1.3765	1.38	O				
126+55	1.3978	1.40	O					132+ 5	1.3761	1.38	O				
127+ 0	1.3974	1.40	O					132+10	1.3758	1.38	O				
127+ 5	1.3971	1.40	O					132+15	1.3754	1.38	O				
127+10	1.3967	1.40	O					132+20	1.3751	1.38	O				
127+15	1.3964	1.40	O					132+25	1.3747	1.37	O				
127+20	1.3960	1.40	O					132+30	1.3744	1.37	O				
127+25	1.3957	1.40	O					132+35	1.3741	1.37	O				
127+30	1.3953	1.40	O					132+40	1.3737	1.37	O				
127+35	1.3949	1.39	O					132+45	1.3734	1.37	O				

132+50	1.3730	1.37	|O	|	|	|	|
132+55	1.3727	1.37	|O	|	|	|	|
133+ 0	1.3723	1.37	|O	|	|	|	|
133+ 5	1.3720	1.37	|O	|	|	|	|
133+10	1.3716	1.37	|O	|	|	|	|
133+15	1.3713	1.37	|O	|	|	|	|
133+20	1.3709	1.37	|O	|	|	|	|
133+25	1.3706	1.37	|O	|	|	|	|
133+30	1.3703	1.37	|O	|	|	|	|
133+35	1.3699	1.37	|O	|	|	|	|
133+40	1.3696	1.37	|O	|	|	|	|
133+45	1.3692	1.37	|O	|	|	|	|
133+50	1.3689	1.37	|O	|	|	|	|
133+55	1.3685	1.37	|O	|	|	|	|
134+ 0	1.3682	1.37	|O	|	|	|	|
134+ 5	1.3678	1.37	|O	|	|	|	|
134+10	1.3675	1.37	|O	|	|	|	|
134+15	1.3672	1.37	|O	|	|	|	|
134+20	1.3668	1.37	|O	|	|	|	|
134+25	1.3665	1.37	|O	|	|	|	|
134+30	1.3661	1.37	|O	|	|	|	|
134+35	1.3658	1.37	|O	|	|	|	|
134+40	1.3654	1.37	|O	|	|	|	|
134+45	1.3651	1.37	|O	|	|	|	|
134+50	1.3647	1.36	|O	|	|	|	|
134+55	1.3644	1.36	|O	|	|	|	|
135+ 0	1.3641	1.36	|O	|	|	|	|
135+ 5	1.3637	1.36	|O	|	|	|	|
135+10	1.3634	1.36	|O	|	|	|	|
135+15	1.3630	1.36	|O	|	|	|	|
135+20	1.3627	1.36	|O	|	|	|	|
135+25	1.3623	1.36	|O	|	|	|	|
135+30	1.3620	1.36	|O	|	|	|	|
135+35	1.3617	1.36	|O	|	|	|	|
135+40	1.3613	1.36	|O	|	|	|	|
135+45	1.3610	1.36	|O	|	|	|	|
135+50	1.3606	1.36	|O	|	|	|	|
135+55	1.3603	1.36	|O	|	|	|	|
136+ 0	1.3600	1.36	|O	|	|	|	|
136+ 5	1.3596	1.36	|O	|	|	|	|
136+10	1.3593	1.36	|O	|	|	|	|
136+15	1.3589	1.36	|O	|	|	|	|
136+20	1.3586	1.36	|O	|	|	|	|
136+25	1.3582	1.36	|O	|	|	|	|
136+30	1.3579	1.36	|O	|	|	|	|
136+35	1.3576	1.36	|O	|	|	|	|
136+40	1.3572	1.36	|O	|	|	|	|
136+45	1.3569	1.36	|O	|	|	|	|
136+50	1.3565	1.36	|O	|	|	|	|
136+55	1.3562	1.36	|O	|	|	|	|
137+ 0	1.3559	1.36	|O	|	|	|	|
137+ 5	1.3555	1.36	|O	|	|	|	|
137+10	1.3552	1.36	|O	|	|	|	|
137+15	1.3548	1.35	|O	|	|	|	|
137+20	1.3545	1.35	|O	|	|	|	|
137+25	1.3541	1.35	|O	|	|	|	|
137+30	1.3538	1.35	|O	|	|	|	|
137+35	1.3535	1.35	|O	|	|	|	|
137+40	1.3531	1.35	|O	|	|	|	|
137+45	1.3528	1.35	|O	|	|	|	|
137+50	1.3524	1.35	|O	|	|	|	|
137+55	1.3521	1.35	|O	|	|	|	|
138+ 0	1.3518	1.35	|O	|	|	|	|
138+ 5	1.3514	1.35	|O	|	|	|	|
138+10	1.3511	1.35	|O	|	|	|	|
138+15	1.3507	1.35	|O	|	|	|	|
138+20	1.3504	1.35	|O	|	|	|	|
138+25	1.3501	1.35	|O	|	|	|	|
138+30	1.3497	1.35	|O	|	|	|	|
138+35	1.3494	1.35	|O	|	|	|	|
138+40	1.3490	1.35	|O	|	|	|	|
138+45	1.3487	1.35	|O	|	|	|	|
138+50	1.3484	1.35	|O	|	|	|	|
138+55	1.3480	1.35	|O	|	|	|	|
139+ 0	1.3477	1.35	|O	|	|	|	|
139+ 5	1.3474	1.35	|O	|	|	|	|
139+10	1.3470	1.35	|O	|	|	|	|
139+15	1.3467	1.35	|O	|	|	|	|
139+20	1.3463	1.35	|O	|	|	|	|
139+25	1.3460	1.35	|O	|	|	|	|
139+30	1.3457	1.35	|O	|	|	|	|
139+35	1.3453	1.35	|O	|	|	|	|
139+40	1.3450	1.34	|O	|	|	|	|
139+45	1.3446	1.34	|O	|	|	|	|
139+50	1.3443	1.34	|O	|	|	|	|
139+55	1.3440	1.34	|O	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 5000
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 53.130 (CFS)
Total volume = 40.836 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	40.267
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	5.194

****

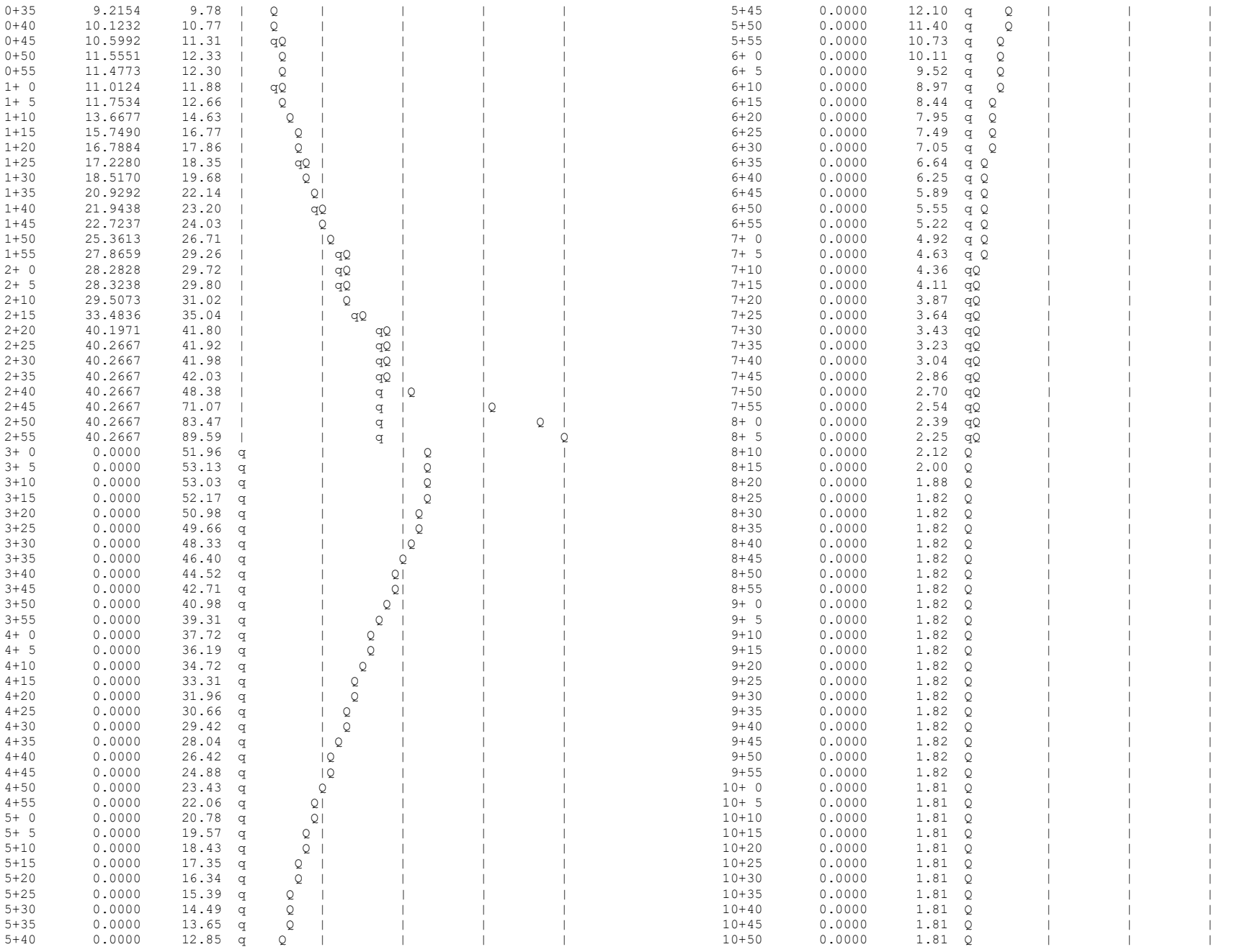
Process from Point/Station 4.800 to Point/Station 4.800
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 5 the total
volume of 5.19 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	22.4	44.8	67.2	89.6
0+ 5	3.9922	3.99	|Q	|	|	|	|
0+10	4.7427	4.78	| Q	|	|	|	|
0+15	5.8159	5.95	| Q	|	|	|	|
0+20	6.4052	6.66	| Q	|	|	|	|
0+25	7.0415	7.43	| Q	|	|	|	|
0+30	8.0352	8.52	| Q	|	|	|	|



| | | |

10+55	0.0000	1.81	Q					16+ 5	0.0000	1.80	Q				
11+ 0	0.0000	1.81	Q					16+10	0.0000	1.80	Q				
11+ 5	0.0000	1.81	Q					16+15	0.0000	1.80	Q				
11+10	0.0000	1.81	Q					16+20	0.0000	1.79	Q				
11+15	0.0000	1.81	Q					16+25	0.0000	1.79	Q				
11+20	0.0000	1.81	Q					16+30	0.0000	1.79	Q				
11+25	0.0000	1.81	Q					16+35	0.0000	1.79	Q				
11+30	0.0000	1.81	Q					16+40	0.0000	1.79	Q				
11+35	0.0000	1.81	Q					16+45	0.0000	1.79	Q				
11+40	0.0000	1.81	Q					16+50	0.0000	1.79	Q				
11+45	0.0000	1.81	Q					16+55	0.0000	1.79	Q				
11+50	0.0000	1.81	Q					17+ 0	0.0000	1.79	Q				
11+55	0.0000	1.81	Q					17+ 5	0.0000	1.79	Q				
12+ 0	0.0000	1.81	Q					17+10	0.0000	1.79	Q				
12+ 5	0.0000	1.81	Q					17+15	0.0000	1.79	Q				
12+10	0.0000	1.81	Q					17+20	0.0000	1.79	Q				
12+15	0.0000	1.81	Q					17+25	0.0000	1.79	Q				
12+20	0.0000	1.81	Q					17+30	0.0000	1.79	Q				
12+25	0.0000	1.81	Q					17+35	0.0000	1.79	Q				
12+30	0.0000	1.81	Q					17+40	0.0000	1.79	Q				
12+35	0.0000	1.81	Q					17+45	0.0000	1.79	Q				
12+40	0.0000	1.81	Q					17+50	0.0000	1.79	Q				
12+45	0.0000	1.81	Q					17+55	0.0000	1.79	Q				
12+50	0.0000	1.81	Q					18+ 0	0.0000	1.79	Q				
12+55	0.0000	1.81	Q					18+ 5	0.0000	1.79	Q				
13+ 0	0.0000	1.81	Q					18+10	0.0000	1.79	Q				
13+ 5	0.0000	1.81	Q					18+15	0.0000	1.79	Q				
13+10	0.0000	1.80	Q					18+20	0.0000	1.79	Q				
13+15	0.0000	1.80	Q					18+25	0.0000	1.79	Q				
13+20	0.0000	1.80	Q					18+30	0.0000	1.79	Q				
13+25	0.0000	1.80	Q					18+35	0.0000	1.79	Q				
13+30	0.0000	1.80	Q					18+40	0.0000	1.79	Q				
13+35	0.0000	1.80	Q					18+45	0.0000	1.79	Q				
13+40	0.0000	1.80	Q					18+50	0.0000	1.79	Q				
13+45	0.0000	1.80	Q					18+55	0.0000	1.79	Q				
13+50	0.0000	1.80	Q					19+ 0	0.0000	1.79	Q				
13+55	0.0000	1.80	Q					19+ 5	0.0000	1.79	Q				
14+ 0	0.0000	1.80	Q					19+10	0.0000	1.79	Q				
14+ 5	0.0000	1.80	Q					19+15	0.0000	1.79	Q				
14+10	0.0000	1.80	Q					19+20	0.0000	1.79	Q				
14+15	0.0000	1.80	Q					19+25	0.0000	1.79	Q				
14+20	0.0000	1.80	Q					19+30	0.0000	1.79	Q				
14+25	0.0000	1.80	Q					19+35	0.0000	1.78	Q				
14+30	0.0000	1.80	Q					19+40	0.0000	1.78	Q				
14+35	0.0000	1.80	Q					19+45	0.0000	1.78	Q				
14+40	0.0000	1.80	Q					19+50	0.0000	1.78	Q				
14+45	0.0000	1.80	Q					19+55	0.0000	1.78	Q				
14+50	0.0000	1.80	Q					20+ 0	0.0000	1.78	Q				
14+55	0.0000	1.80	Q					20+ 5	0.0000	1.78	Q				
15+ 0	0.0000	1.80	Q					20+10	0.0000	1.78	Q				
15+ 5	0.0000	1.80	Q					20+15	0.0000	1.78	Q				
15+10	0.0000	1.80	Q					20+20	0.0000	1.78	Q				
15+15	0.0000	1.80	Q					20+25	0.0000	1.78	Q				
15+20	0.0000	1.80	Q					20+30	0.0000	1.78	Q				
15+25	0.0000	1.80	Q					20+35	0.0000	1.78	Q				
15+30	0.0000	1.80	Q					20+40	0.0000	1.78	Q				
15+35	0.0000	1.80	Q					20+45	0.0000	1.78	Q				
15+40	0.0000	1.80	Q					20+50	0.0000	1.78	Q				
15+45	0.0000	1.80	Q					20+55	0.0000	1.78	Q				
15+50	0.0000	1.80	Q					21+ 0	0.0000	1.78	Q				
15+55	0.0000	1.80	Q					21+ 5	0.0000	1.78	Q				
16+ 0	0.0000	1.80	Q					21+10	0.0000	1.78	Q				

21+15	0.0000	1.78	Q					26+25	0.0000	1.76	Q				
21+20	0.0000	1.78	Q					26+30	0.0000	1.76	Q				
21+25	0.0000	1.78	Q					26+35	0.0000	1.76	Q				
21+30	0.0000	1.78	Q					26+40	0.0000	1.76	Q				
21+35	0.0000	1.78	Q					26+45	0.0000	1.76	Q				
21+40	0.0000	1.78	Q					26+50	0.0000	1.76	Q				
21+45	0.0000	1.78	Q					26+55	0.0000	1.76	Q				
21+50	0.0000	1.78	Q					27+ 0	0.0000	1.76	Q				
21+55	0.0000	1.78	Q					27+ 5	0.0000	1.76	Q				
22+ 0	0.0000	1.78	Q					27+10	0.0000	1.76	Q				
22+ 5	0.0000	1.78	Q					27+15	0.0000	1.76	Q				
22+10	0.0000	1.78	Q					27+20	0.0000	1.76	Q				
22+15	0.0000	1.78	Q					27+25	0.0000	1.76	Q				
22+20	0.0000	1.78	Q					27+30	0.0000	1.76	Q				
22+25	0.0000	1.78	Q					27+35	0.0000	1.76	Q				
22+30	0.0000	1.78	Q					27+40	0.0000	1.76	Q				
22+35	0.0000	1.78	Q					27+45	0.0000	1.76	Q				
22+40	0.0000	1.78	Q					27+50	0.0000	1.76	Q				
22+45	0.0000	1.78	Q					27+55	0.0000	1.76	Q				
22+50	0.0000	1.77	Q					28+ 0	0.0000	1.76	Q				
22+55	0.0000	1.77	Q					28+ 5	0.0000	1.76	Q				
23+ 0	0.0000	1.77	Q					28+10	0.0000	1.76	Q				
23+ 5	0.0000	1.77	Q					28+15	0.0000	1.76	Q				
23+10	0.0000	1.77	Q					28+20	0.0000	1.76	Q				
23+15	0.0000	1.77	Q					28+25	0.0000	1.76	Q				
23+20	0.0000	1.77	Q					28+30	0.0000	1.76	Q				
23+25	0.0000	1.77	Q					28+35	0.0000	1.76	Q				
23+30	0.0000	1.77	Q					28+40	0.0000	1.76	Q				
23+35	0.0000	1.77	Q					28+45	0.0000	1.76	Q				
23+40	0.0000	1.77	Q					28+50	0.0000	1.76	Q				
23+45	0.0000	1.77	Q					28+55	0.0000	1.76	Q				
23+50	0.0000	1.77	Q					29+ 0	0.0000	1.76	Q				
23+55	0.0000	1.77	Q					29+ 5	0.0000	1.76	Q				
24+ 0	0.0000	1.77	Q					29+10	0.0000	1.76	Q				
24+ 5	0.0000	1.77	Q					29+15	0.0000	1.75	Q				
24+10	0.0000	1.77	Q					29+20	0.0000	1.75	Q				
24+15	0.0000	1.77	Q					29+25	0.0000	1.75	Q				
24+20	0.0000	1.77	Q					29+30	0.0000	1.75	Q				
24+25	0.0000	1.77	Q					29+35	0.0000	1.75	Q				
24+30	0.0000	1.77	Q					29+40	0.0000	1.75	Q				
24+35	0.0000	1.77	Q					29+45	0.0000	1.75	Q				
24+40	0.0000	1.77	Q					29+50	0.0000	1.75	Q				
24+45	0.0000	1.77	Q					29+55	0.0000	1.75	Q				
24+50	0.0000	1.77	Q					30+ 0	0.0000	1.75	Q				
24+55	0.0000	1.77	Q					30+ 5	0.0000	1.75	Q				
25+ 0	0.0000	1.77	Q					30+10	0.0000	1.75	Q				
25+ 5	0.0000	1.77	Q					30+15	0.0000	1.75	Q				
25+10	0.0000	1.77	Q					30+20	0.0000	1.75	Q				
25+15	0.0000	1.77	Q					30+25	0.0000	1.75	Q				
25+20	0.0000	1.77	Q					30+30	0.0000	1.75	Q				
25+25	0.0000	1.77	Q					30+35	0.0000	1.75	Q				
25+30	0.0000	1.77	Q					30+40	0.0000	1.75	Q				
25+35	0.0000	1.77	Q					30+45	0.0000	1.75	Q				
25+40	0.0000	1.77	Q					30+50	0.0000	1.75	Q				
25+45	0.0000	1.77	Q					30+55	0.0000	1.75	Q				
25+50	0.0000	1.77	Q					31+ 0	0.0000	1.75	Q				
25+55	0.0000	1.77	Q					31+ 5	0.0000	1.75	Q				
26+ 0	0.0000	1.77	Q					31+10	0.0000	1.75	Q				
26+ 5	0.0000	1.76	Q					31+15	0.0000	1.75	Q				
26+10	0.0000	1.76	Q					31+20	0.0000	1.75	Q				
26+15	0.0000	1.76	Q					31+25	0.0000	1.75	Q				
26+20	0.0000	1.76	Q					31+30	0.0000	1.75	Q				

31+35	0.0000	1.75	Q					36+45	0.0000	1.73	Q				
31+40	0.0000	1.75	Q					36+50	0.0000	1.73	Q				
31+45	0.0000	1.75	Q					36+55	0.0000	1.73	Q				
31+50	0.0000	1.75	Q					37+ 0	0.0000	1.73	Q				
31+55	0.0000	1.75	Q					37+ 5	0.0000	1.73	Q				
32+ 0	0.0000	1.75	Q					37+10	0.0000	1.73	Q				
32+ 5	0.0000	1.75	Q					37+15	0.0000	1.73	Q				
32+10	0.0000	1.75	Q					37+20	0.0000	1.73	Q				
32+15	0.0000	1.75	Q					37+25	0.0000	1.73	Q				
32+20	0.0000	1.74	Q					37+30	0.0000	1.73	Q				
32+25	0.0000	1.74	Q					37+35	0.0000	1.73	Q				
32+30	0.0000	1.74	Q					37+40	0.0000	1.73	Q				
32+35	0.0000	1.74	Q					37+45	0.0000	1.73	Q				
32+40	0.0000	1.74	Q					37+50	0.0000	1.73	Q				
32+45	0.0000	1.74	Q					37+55	0.0000	1.73	Q				
32+50	0.0000	1.74	Q					38+ 0	0.0000	1.73	Q				
32+55	0.0000	1.74	Q					38+ 5	0.0000	1.73	Q				
33+ 0	0.0000	1.74	Q					38+10	0.0000	1.73	Q				
33+ 5	0.0000	1.74	Q					38+15	0.0000	1.73	Q				
33+10	0.0000	1.74	Q					38+20	0.0000	1.73	Q				
33+15	0.0000	1.74	Q					38+25	0.0000	1.73	Q				
33+20	0.0000	1.74	Q					38+30	0.0000	1.73	Q				
33+25	0.0000	1.74	Q					38+35	0.0000	1.73	Q				
33+30	0.0000	1.74	Q					38+40	0.0000	1.72	Q				
33+35	0.0000	1.74	Q					38+45	0.0000	1.72	Q				
33+40	0.0000	1.74	Q					38+50	0.0000	1.72	Q				
33+45	0.0000	1.74	Q					38+55	0.0000	1.72	Q				
33+50	0.0000	1.74	Q					39+ 0	0.0000	1.72	Q				
33+55	0.0000	1.74	Q					39+ 5	0.0000	1.72	Q				
34+ 0	0.0000	1.74	Q					39+10	0.0000	1.72	Q				
34+ 5	0.0000	1.74	Q					39+15	0.0000	1.72	Q				
34+10	0.0000	1.74	Q					39+20	0.0000	1.72	Q				
34+15	0.0000	1.74	Q					39+25	0.0000	1.72	Q				
34+20	0.0000	1.74	Q					39+30	0.0000	1.72	Q				
34+25	0.0000	1.74	Q					39+35	0.0000	1.72	Q				
34+30	0.0000	1.74	Q					39+40	0.0000	1.72	Q				
34+35	0.0000	1.74	Q					39+45	0.0000	1.72	Q				
34+40	0.0000	1.74	Q					39+50	0.0000	1.72	Q				
34+45	0.0000	1.74	Q					39+55	0.0000	1.72	Q				
34+50	0.0000	1.74	Q					40+ 0	0.0000	1.72	Q				
34+55	0.0000	1.74	Q					40+ 5	0.0000	1.72	Q				
35+ 0	0.0000	1.74	Q					40+10	0.0000	1.72	Q				
35+ 5	0.0000	1.74	Q					40+15	0.0000	1.72	Q				
35+10	0.0000	1.74	Q					40+20	0.0000	1.72	Q				
35+15	0.0000	1.74	Q					40+25	0.0000	1.72	Q				
35+20	0.0000	1.74	Q					40+30	0.0000	1.72	Q				
35+25	0.0000	1.74	Q					40+35	0.0000	1.72	Q				
35+30	0.0000	1.73	Q					40+40	0.0000	1.72	Q				
35+35	0.0000	1.73	Q					40+45	0.0000	1.72	Q				
35+40	0.0000	1.73	Q					40+50	0.0000	1.72	Q				
35+45	0.0000	1.73	Q					40+55	0.0000	1.72	Q				
35+50	0.0000	1.73	Q					41+ 0	0.0000	1.72	Q				
35+55	0.0000	1.73	Q					41+ 5	0.0000	1.72	Q				
36+ 0	0.0000	1.73	Q					41+10	0.0000	1.72	Q				
36+ 5	0.0000	1.73	Q					41+15	0.0000	1.72	Q				
36+10	0.0000	1.73	Q					41+20	0.0000	1.72	Q				
36+15	0.0000	1.73	Q					41+25	0.0000	1.72	Q				
36+20	0.0000	1.73	Q					41+30	0.0000	1.72	Q				
36+25	0.0000	1.73	Q					41+35	0.0000	1.72	Q				
36+30	0.0000	1.73	Q					41+40	0.0000	1.72	Q				
36+35	0.0000	1.73	Q					41+45	0.0000	1.72	Q				
36+40	0.0000	1.73	Q					41+50	0.0000	1.71	Q				

41+55	0.0000	1.71	Q					47+ 5	0.0000	1.70	Q				
42+ 0	0.0000	1.71	Q					47+10	0.0000	1.70	Q				
42+ 5	0.0000	1.71	Q					47+15	0.0000	1.70	Q				
42+10	0.0000	1.71	Q					47+20	0.0000	1.70	Q				
42+15	0.0000	1.71	Q					47+25	0.0000	1.70	Q				
42+20	0.0000	1.71	Q					47+30	0.0000	1.70	Q				
42+25	0.0000	1.71	Q					47+35	0.0000	1.70	Q				
42+30	0.0000	1.71	Q					47+40	0.0000	1.70	Q				
42+35	0.0000	1.71	Q					47+45	0.0000	1.70	Q				
42+40	0.0000	1.71	Q					47+50	0.0000	1.70	Q				
42+45	0.0000	1.71	Q					47+55	0.0000	1.70	Q				
42+50	0.0000	1.71	Q					48+ 0	0.0000	1.69	Q				
42+55	0.0000	1.71	Q					48+ 5	0.0000	1.69	Q				
43+ 0	0.0000	1.71	Q					48+10	0.0000	1.69	Q				
43+ 5	0.0000	1.71	Q					48+15	0.0000	1.69	Q				
43+10	0.0000	1.71	Q					48+20	0.0000	1.69	Q				
43+15	0.0000	1.71	Q					48+25	0.0000	1.69	Q				
43+20	0.0000	1.71	Q					48+30	0.0000	1.69	Q				
43+25	0.0000	1.71	Q					48+35	0.0000	1.69	Q				
43+30	0.0000	1.71	Q					48+40	0.0000	1.69	Q				
43+35	0.0000	1.71	Q					48+45	0.0000	1.69	Q				
43+40	0.0000	1.71	Q					48+50	0.0000	1.69	Q				
43+45	0.0000	1.71	Q					48+55	0.0000	1.69	Q				
43+50	0.0000	1.71	Q					49+ 0	0.0000	1.69	Q				
43+55	0.0000	1.71	Q					49+ 5	0.0000	1.69	Q				
44+ 0	0.0000	1.71	Q					49+10	0.0000	1.69	Q				
44+ 5	0.0000	1.71	Q					49+15	0.0000	1.69	Q				
44+10	0.0000	1.71	Q					49+20	0.0000	1.69	Q				
44+15	0.0000	1.71	Q					49+25	0.0000	1.69	Q				
44+20	0.0000	1.71	Q					49+30	0.0000	1.69	Q				
44+25	0.0000	1.71	Q					49+35	0.0000	1.69	Q				
44+30	0.0000	1.71	Q					49+40	0.0000	1.69	Q				
44+35	0.0000	1.71	Q					49+45	0.0000	1.69	Q				
44+40	0.0000	1.71	Q					49+50	0.0000	1.69	Q				
44+45	0.0000	1.71	Q					49+55	0.0000	1.69	Q				
44+50	0.0000	1.71	Q					50+ 0	0.0000	1.69	Q				
44+55	0.0000	1.71	Q					50+ 5	0.0000	1.69	Q				
45+ 0	0.0000	1.71	Q					50+10	0.0000	1.69	Q				
45+ 5	0.0000	1.70	Q					50+15	0.0000	1.69	Q				
45+10	0.0000	1.70	Q					50+20	0.0000	1.69	Q				
45+15	0.0000	1.70	Q					50+25	0.0000	1.69	Q				
45+20	0.0000	1.70	Q					50+30	0.0000	1.69	Q				
45+25	0.0000	1.70	Q					50+35	0.0000	1.69	Q				
45+30	0.0000	1.70	Q					50+40	0.0000	1.69	Q				
45+35	0.0000	1.70	Q					50+45	0.0000	1.68	Q				
45+40	0.0000	1.70	Q					50+50	0.0000	1.68	Q				
45+45	0.0000	1.70	Q					50+55	0.0000	1.68	Q				
45+50	0.0000	1.70	Q					51+ 0	0.0000	1.68	Q				
45+55	0.0000	1.70	Q					51+ 5	0.0000	1.68	Q				
46+ 0	0.0000	1.70	Q					51+10	0.0000	1.68	Q				
46+ 5	0.0000	1.70	Q					51+15	0.0000	1.68	Q				
46+10	0.0000	1.70	Q					51+20	0.0000	1.68	Q				
46+15	0.0000	1.70	Q					51+25	0.0000	1.68	Q				
46+20	0.0000	1.70	Q					51+30	0.0000	1.68	Q				
46+25	0.0000	1.70	Q					51+35	0.0000	1.68	Q				
46+30	0.0000	1.70	Q					51+40	0.0000	1.68	Q				
46+35	0.0000	1.70	Q					51+45	0.0000	1.68	Q				
46+40	0.0000	1.70	Q					51+50	0.0000	1.68	Q				
46+45	0.0000	1.70	Q					51+55	0.0000	1.68	Q				
46+50	0.0000	1.70	Q					52+ 0	0.0000	1.68	Q				
46+55	0.0000	1.70	Q					52+ 5	0.0000	1.68	Q				
47+ 0	0.0000	1.70	Q					52+10	0.0000	1.68	Q				

52+15	0.0000	1.68	Q					57+25	0.0000	1.66	Q				
52+20	0.0000	1.68	Q					57+30	0.0000	1.66	Q				
52+25	0.0000	1.68	Q					57+35	0.0000	1.66	Q				
52+30	0.0000	1.68	Q					57+40	0.0000	1.66	Q				
52+35	0.0000	1.68	Q					57+45	0.0000	1.66	Q				
52+40	0.0000	1.68	Q					57+50	0.0000	1.66	Q				
52+45	0.0000	1.68	Q					57+55	0.0000	1.66	Q				
52+50	0.0000	1.68	Q					58+ 0	0.0000	1.66	Q				
52+55	0.0000	1.68	Q					58+ 5	0.0000	1.66	Q				
53+ 0	0.0000	1.68	Q					58+10	0.0000	1.66	Q				
53+ 5	0.0000	1.68	Q					58+15	0.0000	1.66	Q				
53+10	0.0000	1.68	Q					58+20	0.0000	1.66	Q				
53+15	0.0000	1.68	Q					58+25	0.0000	1.66	Q				
53+20	0.0000	1.68	Q					58+30	0.0000	1.66	Q				
53+25	0.0000	1.68	Q					58+35	0.0000	1.66	Q				
53+30	0.0000	1.67	Q					58+40	0.0000	1.66	Q				
53+35	0.0000	1.67	Q					58+45	0.0000	1.66	Q				
53+40	0.0000	1.67	Q					58+50	0.0000	1.66	Q				
53+45	0.0000	1.67	Q					58+55	0.0000	1.66	Q				
53+50	0.0000	1.67	Q					59+ 0	0.0000	1.65	Q				
53+55	0.0000	1.67	Q					59+ 5	0.0000	1.65	Q				
54+ 0	0.0000	1.67	Q					59+10	0.0000	1.65	Q				
54+ 5	0.0000	1.67	Q					59+15	0.0000	1.65	Q				
54+10	0.0000	1.67	Q					59+20	0.0000	1.65	Q				
54+15	0.0000	1.67	Q					59+25	0.0000	1.65	Q				
54+20	0.0000	1.67	Q					59+30	0.0000	1.65	Q				
54+25	0.0000	1.67	Q					59+35	0.0000	1.65	Q				
54+30	0.0000	1.67	Q					59+40	0.0000	1.65	Q				
54+35	0.0000	1.67	Q					59+45	0.0000	1.65	Q				
54+40	0.0000	1.67	Q					59+50	0.0000	1.65	Q				
54+45	0.0000	1.67	Q					59+55	0.0000	1.65	Q				
54+50	0.0000	1.67	Q					60+ 0	0.0000	1.65	Q				
54+55	0.0000	1.67	Q					60+ 5	0.0000	1.65	Q				
55+ 0	0.0000	1.67	Q					60+10	0.0000	1.65	Q				
55+ 5	0.0000	1.67	Q					60+15	0.0000	1.65	Q				
55+10	0.0000	1.67	Q					60+20	0.0000	1.65	Q				
55+15	0.0000	1.67	Q					60+25	0.0000	1.65	Q				
55+20	0.0000	1.67	Q					60+30	0.0000	1.65	Q				
55+25	0.0000	1.67	Q					60+35	0.0000	1.65	Q				
55+30	0.0000	1.67	Q					60+40	0.0000	1.65	Q				
55+35	0.0000	1.67	Q					60+45	0.0000	1.65	Q				
55+40	0.0000	1.67	Q					60+50	0.0000	1.65	Q				
55+45	0.0000	1.67	Q					60+55	0.0000	1.65	Q				
55+50	0.0000	1.67	Q					61+ 0	0.0000	1.65	Q				
55+55	0.0000	1.67	Q					61+ 5	0.0000	1.65	Q				
56+ 0	0.0000	1.67	Q					61+10	0.0000	1.65	Q				
56+ 5	0.0000	1.67	Q					61+15	0.0000	1.65	Q				
56+10	0.0000	1.67	Q					61+20	0.0000	1.65	Q				
56+15	0.0000	1.66	Q					61+25	0.0000	1.65	Q				
56+20	0.0000	1.66	Q					61+30	0.0000	1.65	Q				
56+25	0.0000	1.66	Q					61+35	0.0000	1.65	Q				
56+30	0.0000	1.66	Q					61+40	0.0000	1.65	Q				
56+35	0.0000	1.66	Q					61+45	0.0000	1.64	Q				
56+40	0.0000	1.66	Q					61+50	0.0000	1.64	Q				
56+45	0.0000	1.66	Q					61+55	0.0000	1.64	Q				
56+50	0.0000	1.66	Q					62+ 0	0.0000	1.64	Q				
56+55	0.0000	1.66	Q					62+ 5	0.0000	1.64	Q				
57+ 0	0.0000	1.66	Q					62+10	0.0000	1.64	Q				
57+ 5	0.0000	1.66	Q					62+15	0.0000	1.64	Q				
57+10	0.0000	1.66	Q					62+20	0.0000	1.64	Q				
57+15	0.0000	1.66	Q					62+25	0.0000	1.64	Q				
57+20	0.0000	1.66	Q					62+30	0.0000	1.64	Q				

62+35	0.0000	1.64	Q					67+45	0.0000	1.62	Q				
62+40	0.0000	1.64	Q					67+50	0.0000	1.62	Q				
62+45	0.0000	1.64	Q					67+55	0.0000	1.62	Q				
62+50	0.0000	1.64	Q					68+ 0	0.0000	1.62	Q				
62+55	0.0000	1.64	Q					68+ 5	0.0000	1.62	Q				
63+ 0	0.0000	1.64	Q					68+10	0.0000	1.62	Q				
63+ 5	0.0000	1.64	Q					68+15	0.0000	1.62	Q				
63+10	0.0000	1.64	Q					68+20	0.0000	1.62	Q				
63+15	0.0000	1.64	Q					68+25	0.0000	1.62	Q				
63+20	0.0000	1.64	Q					68+30	0.0000	1.62	Q				
63+25	0.0000	1.64	Q					68+35	0.0000	1.62	Q				
63+30	0.0000	1.64	Q					68+40	0.0000	1.62	Q				
63+35	0.0000	1.64	Q					68+45	0.0000	1.62	Q				
63+40	0.0000	1.64	Q					68+50	0.0000	1.62	Q				
63+45	0.0000	1.64	Q					68+55	0.0000	1.62	Q				
63+50	0.0000	1.64	Q					69+ 0	0.0000	1.62	Q				
63+55	0.0000	1.64	Q					69+ 5	0.0000	1.62	Q				
64+ 0	0.0000	1.64	Q					69+10	0.0000	1.62	Q				
64+ 5	0.0000	1.64	Q					69+15	0.0000	1.62	Q				
64+10	0.0000	1.64	Q					69+20	0.0000	1.62	Q				
64+15	0.0000	1.64	Q					69+25	0.0000	1.62	Q				
64+20	0.0000	1.64	Q					69+30	0.0000	1.62	Q				
64+25	0.0000	1.64	Q					69+35	0.0000	1.62	Q				
64+30	0.0000	1.64	Q					69+40	0.0000	1.62	Q				
64+35	0.0000	1.63	Q					69+45	0.0000	1.62	Q				
64+40	0.0000	1.63	Q					69+50	0.0000	1.62	Q				
64+45	0.0000	1.63	Q					69+55	0.0000	1.62	Q				
64+50	0.0000	1.63	Q					70+ 0	0.0000	1.62	Q				
64+55	0.0000	1.63	Q					70+ 5	0.0000	1.61	Q				
65+ 0	0.0000	1.63	Q					70+10	0.0000	1.61	Q				
65+ 5	0.0000	1.63	Q					70+15	0.0000	1.61	Q				
65+10	0.0000	1.63	Q					70+20	0.0000	1.61	Q				
65+15	0.0000	1.63	Q					70+25	0.0000	1.61	Q				
65+20	0.0000	1.63	Q					70+30	0.0000	1.61	Q				
65+25	0.0000	1.63	Q					70+35	0.0000	1.61	Q				
65+30	0.0000	1.63	Q					70+40	0.0000	1.61	Q				
65+35	0.0000	1.63	Q					70+45	0.0000	1.61	Q				
65+40	0.0000	1.63	Q					70+50	0.0000	1.61	Q				
65+45	0.0000	1.63	Q					70+55	0.0000	1.61	Q				
65+50	0.0000	1.63	Q					71+ 0	0.0000	1.61	Q				
65+55	0.0000	1.63	Q					71+ 5	0.0000	1.61	Q				
66+ 0	0.0000	1.63	Q					71+10	0.0000	1.61	Q				
66+ 5	0.0000	1.63	Q					71+15	0.0000	1.61	Q				
66+10	0.0000	1.63	Q					71+20	0.0000	1.61	Q				
66+15	0.0000	1.63	Q					71+25	0.0000	1.61	Q				
66+20	0.0000	1.63	Q					71+30	0.0000	1.61	Q				
66+25	0.0000	1.63	Q					71+35	0.0000	1.61	Q				
66+30	0.0000	1.63	Q					71+40	0.0000	1.61	Q				
66+35	0.0000	1.63	Q					71+45	0.0000	1.61	Q				
66+40	0.0000	1.63	Q					71+50	0.0000	1.61	Q				
66+45	0.0000	1.63	Q					71+55	0.0000	1.61	Q				
66+50	0.0000	1.63	Q					72+ 0	0.0000	1.61	Q				
66+55	0.0000	1.63	Q					72+ 5	0.0000	1.61	Q				
67+ 0	0.0000	1.63	Q					72+10	0.0000	1.61	Q				
67+ 5	0.0000	1.63	Q					72+15	0.0000	1.61	Q				
67+10	0.0000	1.63	Q					72+20	0.0000	1.61	Q				
67+15	0.0000	1.63	Q					72+25	0.0000	1.61	Q				
67+20	0.0000	1.62	Q					72+30	0.0000	1.61	Q				
67+25	0.0000	1.62	Q					72+35	0.0000	1.61	Q				
67+30	0.0000	1.62	Q					72+40	0.0000	1.61	Q				
67+35	0.0000	1.62	Q					72+45	0.0000	1.61	Q				
67+40	0.0000	1.62	Q					72+50	0.0000	1.60	Q				

72+55	0.0000	1.60	Q					78+ 5	0.0000	1.59	Q				
73+ 0	0.0000	1.60	Q					78+10	0.0000	1.59	Q				
73+ 5	0.0000	1.60	Q					78+15	0.0000	1.59	Q				
73+10	0.0000	1.60	Q					78+20	0.0000	1.59	Q				
73+15	0.0000	1.60	Q					78+25	0.0000	1.58	Q				
73+20	0.0000	1.60	Q					78+30	0.0000	1.58	Q				
73+25	0.0000	1.60	Q					78+35	0.0000	1.58	Q				
73+30	0.0000	1.60	Q					78+40	0.0000	1.58	Q				
73+35	0.0000	1.60	Q					78+45	0.0000	1.58	Q				
73+40	0.0000	1.60	Q					78+50	0.0000	1.58	Q				
73+45	0.0000	1.60	Q					78+55	0.0000	1.58	Q				
73+50	0.0000	1.60	Q					79+ 0	0.0000	1.58	Q				
73+55	0.0000	1.60	Q					79+ 5	0.0000	1.58	Q				
74+ 0	0.0000	1.60	Q					79+10	0.0000	1.58	Q				
74+ 5	0.0000	1.60	Q					79+15	0.0000	1.58	Q				
74+10	0.0000	1.60	Q					79+20	0.0000	1.58	Q				
74+15	0.0000	1.60	Q					79+25	0.0000	1.58	Q				
74+20	0.0000	1.60	Q					79+30	0.0000	1.58	Q				
74+25	0.0000	1.60	Q					79+35	0.0000	1.58	Q				
74+30	0.0000	1.60	Q					79+40	0.0000	1.58	Q				
74+35	0.0000	1.60	Q					79+45	0.0000	1.58	Q				
74+40	0.0000	1.60	Q					79+50	0.0000	1.58	Q				
74+45	0.0000	1.60	Q					79+55	0.0000	1.58	Q				
74+50	0.0000	1.60	Q					80+ 0	0.0000	1.58	Q				
74+55	0.0000	1.60	Q					80+ 5	0.0000	1.58	Q				
75+ 0	0.0000	1.60	Q					80+10	0.0000	1.58	Q				
75+ 5	0.0000	1.60	Q					80+15	0.0000	1.58	Q				
75+10	0.0000	1.60	Q					80+20	0.0000	1.58	Q				
75+15	0.0000	1.60	Q					80+25	0.0000	1.58	Q				
75+20	0.0000	1.60	Q					80+30	0.0000	1.58	Q				
75+25	0.0000	1.60	Q					80+35	0.0000	1.58	Q				
75+30	0.0000	1.60	Q					80+40	0.0000	1.58	Q				
75+35	0.0000	1.59	Q					80+45	0.0000	1.58	Q				
75+40	0.0000	1.59	Q					80+50	0.0000	1.58	Q				
75+45	0.0000	1.59	Q					80+55	0.0000	1.58	Q				
75+50	0.0000	1.59	Q					81+ 0	0.0000	1.58	Q				
75+55	0.0000	1.59	Q					81+ 5	0.0000	1.58	Q				
76+ 0	0.0000	1.59	Q					81+10	0.0000	1.57	Q				
76+ 5	0.0000	1.59	Q					81+15	0.0000	1.57	Q				
76+10	0.0000	1.59	Q					81+20	0.0000	1.57	Q				
76+15	0.0000	1.59	Q					81+25	0.0000	1.57	Q				
76+20	0.0000	1.59	Q					81+30	0.0000	1.57	Q				
76+25	0.0000	1.59	Q					81+35	0.0000	1.57	Q				
76+30	0.0000	1.59	Q					81+40	0.0000	1.57	Q				
76+35	0.0000	1.59	Q					81+45	0.0000	1.57	Q				
76+40	0.0000	1.59	Q					81+50	0.0000	1.57	Q				
76+45	0.0000	1.59	Q					81+55	0.0000	1.57	Q				
76+50	0.0000	1.59	Q					82+ 0	0.0000	1.57	Q				
76+55	0.0000	1.59	Q					82+ 5	0.0000	1.57	Q				
77+ 0	0.0000	1.59	Q					82+10	0.0000	1.57	Q				
77+ 5	0.0000	1.59	Q					82+15	0.0000	1.57	Q				
77+10	0.0000	1.59	Q					82+20	0.0000	1.57	Q				
77+15	0.0000	1.59	Q					82+25	0.0000	1.57	Q				
77+20	0.0000	1.59	Q					82+30	0.0000	1.57	Q				
77+25	0.0000	1.59	Q					82+35	0.0000	1.57	Q				
77+30	0.0000	1.59	Q					82+40	0.0000	1.57	Q				
77+35	0.0000	1.59	Q					82+45	0.0000	1.57	Q				
77+40	0.0000	1.59	Q					82+50	0.0000	1.57	Q				
77+45	0.0000	1.59	Q					82+55	0.0000	1.57	Q				
77+50	0.0000	1.59	Q					83+ 0	0.0000	1.57	Q				
77+55	0.0000	1.59	Q					83+ 5	0.0000	1.57	Q				
78+ 0	0.0000	1.59	Q					83+10	0.0000	1.57	Q				

83+15	0.0000	1.57	Q					88+25	0.0000	1.55	Q				
83+20	0.0000	1.57	Q					88+30	0.0000	1.55	Q				
83+25	0.0000	1.57	Q					88+35	0.0000	1.55	Q				
83+30	0.0000	1.57	Q					88+40	0.0000	1.55	Q				
83+35	0.0000	1.57	Q					88+45	0.0000	1.55	Q				
83+40	0.0000	1.57	Q					88+50	0.0000	1.55	Q				
83+45	0.0000	1.57	Q					88+55	0.0000	1.55	Q				
83+50	0.0000	1.57	Q					89+ 0	0.0000	1.55	Q				
83+55	0.0000	1.57	Q					89+ 5	0.0000	1.55	Q				
84+ 0	0.0000	1.56	Q					89+10	0.0000	1.55	Q				
84+ 5	0.0000	1.56	Q					89+15	0.0000	1.55	Q				
84+10	0.0000	1.56	Q					89+20	0.0000	1.55	Q				
84+15	0.0000	1.56	Q					89+25	0.0000	1.55	Q				
84+20	0.0000	1.56	Q					89+30	0.0000	1.54	Q				
84+25	0.0000	1.56	Q					89+35	0.0000	1.54	Q				
84+30	0.0000	1.56	Q					89+40	0.0000	1.54	Q				
84+35	0.0000	1.56	Q					89+45	0.0000	1.54	Q				
84+40	0.0000	1.56	Q					89+50	0.0000	1.54	Q				
84+45	0.0000	1.56	Q					89+55	0.0000	1.54	Q				
84+50	0.0000	1.56	Q					90+ 0	0.0000	1.54	Q				
84+55	0.0000	1.56	Q					90+ 5	0.0000	1.54	Q				
85+ 0	0.0000	1.56	Q					90+10	0.0000	1.54	Q				
85+ 5	0.0000	1.56	Q					90+15	0.0000	1.54	Q				
85+10	0.0000	1.56	Q					90+20	0.0000	1.54	Q				
85+15	0.0000	1.56	Q					90+25	0.0000	1.54	Q				
85+20	0.0000	1.56	Q					90+30	0.0000	1.54	Q				
85+25	0.0000	1.56	Q					90+35	0.0000	1.54	Q				
85+30	0.0000	1.56	Q					90+40	0.0000	1.54	Q				
85+35	0.0000	1.56	Q					90+45	0.0000	1.54	Q				
85+40	0.0000	1.56	Q					90+50	0.0000	1.54	Q				
85+45	0.0000	1.56	Q					90+55	0.0000	1.54	Q				
85+50	0.0000	1.56	Q					91+ 0	0.0000	1.54	Q				
85+55	0.0000	1.56	Q					91+ 5	0.0000	1.54	Q				
86+ 0	0.0000	1.56	Q					91+10	0.0000	1.54	Q				
86+ 5	0.0000	1.56	Q					91+15	0.0000	1.54	Q				
86+10	0.0000	1.56	Q					91+20	0.0000	1.54	Q				
86+15	0.0000	1.56	Q					91+25	0.0000	1.54	Q				
86+20	0.0000	1.56	Q					91+30	0.0000	1.54	Q				
86+25	0.0000	1.56	Q					91+35	0.0000	1.54	Q				
86+30	0.0000	1.56	Q					91+40	0.0000	1.54	Q				
86+35	0.0000	1.56	Q					91+45	0.0000	1.54	Q				
86+40	0.0000	1.56	Q					91+50	0.0000	1.54	Q				
86+45	0.0000	1.55	Q					91+55	0.0000	1.54	Q				
86+50	0.0000	1.55	Q					92+ 0	0.0000	1.54	Q				
86+55	0.0000	1.55	Q					92+ 5	0.0000	1.54	Q				
87+ 0	0.0000	1.55	Q					92+10	0.0000	1.54	Q				
87+ 5	0.0000	1.55	Q					92+15	0.0000	1.53	Q				
87+10	0.0000	1.55	Q					92+20	0.0000	1.53	Q				
87+15	0.0000	1.55	Q					92+25	0.0000	1.53	Q				
87+20	0.0000	1.55	Q					92+30	0.0000	1.53	Q				
87+25	0.0000	1.55	Q					92+35	0.0000	1.53	Q				
87+30	0.0000	1.55	Q					92+40	0.0000	1.53	Q				
87+35	0.0000	1.55	Q					92+45	0.0000	1.53	Q				
87+40	0.0000	1.55	Q					92+50	0.0000	1.53	Q				
87+45	0.0000	1.55	Q					92+55	0.0000	1.53	Q				
87+50	0.0000	1.55	Q					93+ 0	0.0000	1.53	Q				
87+55	0.0000	1.55	Q					93+ 5	0.0000	1.53	Q				
88+ 0	0.0000	1.55	Q					93+10	0.0000	1.53	Q				
88+ 5	0.0000	1.55	Q					93+15	0.0000	1.53	Q				
88+10	0.0000	1.55	Q					93+20	0.0000	1.53	Q				
88+15	0.0000	1.55	Q					93+25	0.0000	1.53	Q				
88+20	0.0000	1.55	Q					93+30	0.0000	1.53	Q				

93+35	0.0000	1.53	Q					98+45	0.0000	1.51	Q				
93+40	0.0000	1.53	Q					98+50	0.0000	1.51	Q				
93+45	0.0000	1.53	Q					98+55	0.0000	1.51	Q				
93+50	0.0000	1.53	Q					99+ 0	0.0000	1.51	Q				
93+55	0.0000	1.53	Q					99+ 5	0.0000	1.51	Q				
94+ 0	0.0000	1.53	Q					99+10	0.0000	1.51	Q				
94+ 5	0.0000	1.53	Q					99+15	0.0000	1.51	Q				
94+10	0.0000	1.53	Q					99+20	0.0000	1.51	Q				
94+15	0.0000	1.53	Q					99+25	0.0000	1.51	Q				
94+20	0.0000	1.53	Q					99+30	0.0000	1.51	Q				
94+25	0.0000	1.53	Q					99+35	0.0000	1.51	Q				
94+30	0.0000	1.53	Q					99+40	0.0000	1.51	Q				
94+35	0.0000	1.53	Q					99+45	0.0000	1.51	Q				
94+40	0.0000	1.53	Q					99+50	0.0000	1.51	Q				
94+45	0.0000	1.53	Q					99+55	0.0000	1.51	Q				
94+50	0.0000	1.53	Q					100+ 0	0.0000	1.51	Q				
94+55	0.0000	1.53	Q					100+ 5	0.0000	1.51	Q				
95+ 0	0.0000	1.52	Q					100+10	0.0000	1.51	Q				
95+ 5	0.0000	1.52	Q					100+15	0.0000	1.51	Q				
95+10	0.0000	1.52	Q					100+20	0.0000	1.51	Q				
95+15	0.0000	1.52	Q					100+25	0.0000	1.51	Q				
95+20	0.0000	1.52	Q					100+30	0.0000	1.51	Q				
95+25	0.0000	1.52	Q					100+35	0.0000	1.50	Q				
95+30	0.0000	1.52	Q					100+40	0.0000	1.50	Q				
95+35	0.0000	1.52	Q					100+45	0.0000	1.50	Q				
95+40	0.0000	1.52	Q					100+50	0.0000	1.50	Q				
95+45	0.0000	1.52	Q					100+55	0.0000	1.50	Q				
95+50	0.0000	1.52	Q					101+ 0	0.0000	1.50	Q				
95+55	0.0000	1.52	Q					101+ 5	0.0000	1.50	Q				
96+ 0	0.0000	1.52	Q					101+10	0.0000	1.50	Q				
96+ 5	0.0000	1.52	Q					101+15	0.0000	1.50	Q				
96+10	0.0000	1.52	Q					101+20	0.0000	1.50	Q				
96+15	0.0000	1.52	Q					101+25	0.0000	1.50	Q				
96+20	0.0000	1.52	Q					101+30	0.0000	1.50	Q				
96+25	0.0000	1.52	Q					101+35	0.0000	1.50	Q				
96+30	0.0000	1.52	Q					101+40	0.0000	1.50	Q				
96+35	0.0000	1.52	Q					101+45	0.0000	1.50	Q				
96+40	0.0000	1.52	Q					101+50	0.0000	1.50	Q				
96+45	0.0000	1.52	Q					101+55	0.0000	1.50	Q				
96+50	0.0000	1.52	Q					102+ 0	0.0000	1.50	Q				
96+55	0.0000	1.52	Q					102+ 5	0.0000	1.50	Q				
97+ 0	0.0000	1.52	Q					102+10	0.0000	1.50	Q				
97+ 5	0.0000	1.52	Q					102+15	0.0000	1.50	Q				
97+10	0.0000	1.52	Q					102+20	0.0000	1.50	Q				
97+15	0.0000	1.52	Q					102+25	0.0000	1.50	Q				
97+20	0.0000	1.52	Q					102+30	0.0000	1.50	Q				
97+25	0.0000	1.52	Q					102+35	0.0000	1.50	Q				
97+30	0.0000	1.52	Q					102+40	0.0000	1.50	Q				
97+35	0.0000	1.52	Q					102+45	0.0000	1.50	Q				
97+40	0.0000	1.52	Q					102+50	0.0000	1.50	Q				
97+45	0.0000	1.51	Q					102+55	0.0000	1.50	Q				
97+50	0.0000	1.51	Q					103+ 0	0.0000	1.50	Q				
97+55	0.0000	1.51	Q					103+ 5	0.0000	1.50	Q				
98+ 0	0.0000	1.51	Q					103+10	0.0000	1.50	Q				
98+ 5	0.0000	1.51	Q					103+15	0.0000	1.50	Q				
98+10	0.0000	1.51	Q					103+20	0.0000	1.49	Q				
98+15	0.0000	1.51	Q					103+25	0.0000	1.49	Q				
98+20	0.0000	1.51	Q					103+30	0.0000	1.49	Q				
98+25	0.0000	1.51	Q					103+35	0.0000	1.49	Q				
98+30	0.0000	1.51	Q					103+40	0.0000	1.49	Q				
98+35	0.0000	1.51	Q					103+45	0.0000	1.49	Q				
98+40	0.0000	1.51	Q					103+50	0.0000	1.49	Q				

103+55	0.0000	1.49	Q					109+ 5	0.0000	1.47	Q				
104+ 0	0.0000	1.49	Q					109+10	0.0000	1.47	Q				
104+ 5	0.0000	1.49	Q					109+15	0.0000	1.47	Q				
104+10	0.0000	1.49	Q					109+20	0.0000	1.47	Q				
104+15	0.0000	1.49	Q					109+25	0.0000	1.47	Q				
104+20	0.0000	1.49	Q					109+30	0.0000	1.47	Q				
104+25	0.0000	1.49	Q					109+35	0.0000	1.47	Q				
104+30	0.0000	1.49	Q					109+40	0.0000	1.47	Q				
104+35	0.0000	1.49	Q					109+45	0.0000	1.47	Q				
104+40	0.0000	1.49	Q					109+50	0.0000	1.47	Q				
104+45	0.0000	1.49	Q					109+55	0.0000	1.47	Q				
104+50	0.0000	1.49	Q					110+ 0	0.0000	1.47	Q				
104+55	0.0000	1.49	Q					110+ 5	0.0000	1.47	Q				
105+ 0	0.0000	1.49	Q					110+10	0.0000	1.47	Q				
105+ 5	0.0000	1.49	Q					110+15	0.0000	1.47	Q				
105+10	0.0000	1.49	Q					110+20	0.0000	1.47	Q				
105+15	0.0000	1.49	Q					110+25	0.0000	1.47	Q				
105+20	0.0000	1.49	Q					110+30	0.0000	1.47	Q				
105+25	0.0000	1.49	Q					110+35	0.0000	1.47	Q				
105+30	0.0000	1.49	Q					110+40	0.0000	1.46	Q				
105+35	0.0000	1.49	Q					110+45	0.0000	1.46	Q				
105+40	0.0000	1.49	Q					110+50	0.0000	1.46	Q				
105+45	0.0000	1.49	Q					110+55	0.0000	1.46	Q				
105+50	0.0000	1.49	Q					111+ 0	0.0000	1.46	Q				
105+55	0.0000	1.48	Q					111+ 5	0.0000	1.46	Q				
106+ 0	0.0000	1.48	Q					111+10	0.0000	1.46	Q				
106+ 5	0.0000	1.48	Q					111+15	0.0000	1.46	Q				
106+10	0.0000	1.48	Q					111+20	0.0000	1.46	Q				
106+15	0.0000	1.48	Q					111+25	0.0000	1.46	Q				
106+20	0.0000	1.48	Q					111+30	0.0000	1.46	Q				
106+25	0.0000	1.48	Q					111+35	0.0000	1.46	Q				
106+30	0.0000	1.48	Q					111+40	0.0000	1.46	Q				
106+35	0.0000	1.48	Q					111+45	0.0000	1.46	Q				
106+40	0.0000	1.48	Q					111+50	0.0000	1.46	Q				
106+45	0.0000	1.48	Q					111+55	0.0000	1.46	Q				
106+50	0.0000	1.48	Q					112+ 0	0.0000	1.46	Q				
106+55	0.0000	1.48	Q					112+ 5	0.0000	1.46	Q				
107+ 0	0.0000	1.48	Q					112+10	0.0000	1.46	Q				
107+ 5	0.0000	1.48	Q					112+15	0.0000	1.46	Q				
107+10	0.0000	1.48	Q					112+20	0.0000	1.46	Q				
107+15	0.0000	1.48	Q					112+25	0.0000	1.46	Q				
107+20	0.0000	1.48	Q					112+30	0.0000	1.46	Q				
107+25	0.0000	1.48	Q					112+35	0.0000	1.46	Q				
107+30	0.0000	1.48	Q					112+40	0.0000	1.46	Q				
107+35	0.0000	1.48	Q					112+45	0.0000	1.46	Q				
107+40	0.0000	1.48	Q					112+50	0.0000	1.46	Q				
107+45	0.0000	1.48	Q					112+55	0.0000	1.46	Q				
107+50	0.0000	1.48	Q					113+ 0	0.0000	1.46	Q				
107+55	0.0000	1.48	Q					113+ 5	0.0000	1.45	Q				
108+ 0	0.0000	1.48	Q					113+10	0.0000	1.45	Q				
108+ 5	0.0000	1.48	Q					113+15	0.0000	1.45	Q				
108+10	0.0000	1.48	Q					113+20	0.0000	1.45	Q				
108+15	0.0000	1.48	Q					113+25	0.0000	1.45	Q				
108+20	0.0000	1.47	Q					113+30	0.0000	1.45	Q				
108+25	0.0000	1.47	Q					113+35	0.0000	1.45	Q				
108+30	0.0000	1.47	Q					113+40	0.0000	1.45	Q				
108+35	0.0000	1.47	Q					113+45	0.0000	1.45	Q				
108+40	0.0000	1.47	Q					113+50	0.0000	1.45	Q				
108+45	0.0000	1.47	Q					113+55	0.0000	1.45	Q				
108+50	0.0000	1.47	Q					114+ 0	0.0000	1.45	Q				
108+55	0.0000	1.47	Q					114+ 5	0.0000	1.45	Q				
109+ 0	0.0000	1.47	Q					114+10	0.0000	1.45	Q				

114+15	0.0000	1.45	Q					119+25	0.0000	1.43	Q				
114+20	0.0000	1.45	Q					119+30	0.0000	1.43	Q				
114+25	0.0000	1.45	Q					119+35	0.0000	1.43	Q				
114+30	0.0000	1.45	Q					119+40	0.0000	1.43	Q				
114+35	0.0000	1.45	Q					119+45	0.0000	1.43	Q				
114+40	0.0000	1.45	Q					119+50	0.0000	1.43	Q				
114+45	0.0000	1.45	Q					119+55	0.0000	1.43	Q				
114+50	0.0000	1.45	Q					120+ 0	0.0000	1.43	Q				
114+55	0.0000	1.45	Q					120+ 5	0.0000	1.43	Q				
115+ 0	0.0000	1.45	Q					120+10	0.0000	1.43	Q				
115+ 5	0.0000	1.45	Q					120+15	0.0000	1.43	Q				
115+10	0.0000	1.45	Q					120+20	0.0000	1.42	Q				
115+15	0.0000	1.45	Q					120+25	0.0000	1.42	Q				
115+20	0.0000	1.45	Q					120+30	0.0000	1.42	Q				
115+25	0.0000	1.45	Q					120+35	0.0000	1.42	Q				
115+30	0.0000	1.44	Q					120+40	0.0000	1.42	Q				
115+35	0.0000	1.44	Q					120+45	0.0000	1.42	Q				
115+40	0.0000	1.44	Q					120+50	0.0000	1.42	Q				
115+45	0.0000	1.44	Q					120+55	0.0000	1.42	Q				
115+50	0.0000	1.44	Q					121+ 0	0.0000	1.42	Q				
115+55	0.0000	1.44	Q					121+ 5	0.0000	1.42	Q				
116+ 0	0.0000	1.44	Q					121+10	0.0000	1.42	Q				
116+ 5	0.0000	1.44	Q					121+15	0.0000	1.42	Q				
116+10	0.0000	1.44	Q					121+20	0.0000	1.42	Q				
116+15	0.0000	1.44	Q					121+25	0.0000	1.42	Q				
116+20	0.0000	1.44	Q					121+30	0.0000	1.42	Q				
116+25	0.0000	1.44	Q					121+35	0.0000	1.42	Q				
116+30	0.0000	1.44	Q					121+40	0.0000	1.42	Q				
116+35	0.0000	1.44	Q					121+45	0.0000	1.42	Q				
116+40	0.0000	1.44	Q					121+50	0.0000	1.42	Q				
116+45	0.0000	1.44	Q					121+55	0.0000	1.42	Q				
116+50	0.0000	1.44	Q					122+ 0	0.0000	1.42	Q				
116+55	0.0000	1.44	Q					122+ 5	0.0000	1.42	Q				
117+ 0	0.0000	1.44	Q					122+10	0.0000	1.42	Q				
117+ 5	0.0000	1.44	Q					122+15	0.0000	1.42	Q				
117+10	0.0000	1.44	Q					122+20	0.0000	1.42	Q				
117+15	0.0000	1.44	Q					122+25	0.0000	1.42	Q				
117+20	0.0000	1.44	Q					122+30	0.0000	1.42	Q				
117+25	0.0000	1.44	Q					122+35	0.0000	1.42	Q				
117+30	0.0000	1.44	Q					122+40	0.0000	1.42	Q				
117+35	0.0000	1.44	Q					122+45	0.0000	1.42	Q				
117+40	0.0000	1.44	Q					122+50	0.0000	1.41	Q				
117+45	0.0000	1.44	Q					122+55	0.0000	1.41	Q				
117+50	0.0000	1.44	Q					123+ 0	0.0000	1.41	Q				
117+55	0.0000	1.43	Q					123+ 5	0.0000	1.41	Q				
118+ 0	0.0000	1.43	Q					123+10	0.0000	1.41	Q				
118+ 5	0.0000	1.43	Q					123+15	0.0000	1.41	Q				
118+10	0.0000	1.43	Q					123+20	0.0000	1.41	Q				
118+15	0.0000	1.43	Q					123+25	0.0000	1.41	Q				
118+20	0.0000	1.43	Q					123+30	0.0000	1.41	Q				
118+25	0.0000	1.43	Q					123+35	0.0000	1.41	Q				
118+30	0.0000	1.43	Q					123+40	0.0000	1.41	Q				
118+35	0.0000	1.43	Q					123+45	0.0000	1.41	Q				
118+40	0.0000	1.43	Q					123+50	0.0000	1.41	Q				
118+45	0.0000	1.43	Q					123+55	0.0000	1.41	Q				
118+50	0.0000	1.43	Q					124+ 0	0.0000	1.41	Q				
118+55	0.0000	1.43	Q					124+ 5	0.0000	1.41	Q				
119+ 0	0.0000	1.43	Q					124+10	0.0000	1.41	Q				
119+ 5	0.0000	1.43	Q					124+15	0.0000	1.41	Q				
119+10	0.0000	1.43	Q					124+20	0.0000	1.41	Q				
119+15	0.0000	1.43	Q					124+25	0.0000	1.41	Q				
119+20	0.0000	1.43	Q					124+30	0.0000	1.41	Q				

124+35	0.0000	1.41	Q					129+45	0.0000	1.39	Q				
124+40	0.0000	1.41	Q					129+50	0.0000	1.39	Q				
124+45	0.0000	1.41	Q					129+55	0.0000	1.39	Q				
124+50	0.0000	1.41	Q					130+ 0	0.0000	1.38	Q				
124+55	0.0000	1.41	Q					130+ 5	0.0000	1.38	Q				
125+ 0	0.0000	1.41	Q					130+10	0.0000	1.38	Q				
125+ 5	0.0000	1.41	Q					130+15	0.0000	1.38	Q				
125+10	0.0000	1.41	Q					130+20	0.0000	1.38	Q				
125+15	0.0000	1.40	Q					130+25	0.0000	1.38	Q				
125+20	0.0000	1.40	Q					130+30	0.0000	1.38	Q				
125+25	0.0000	1.40	Q					130+35	0.0000	1.38	Q				
125+30	0.0000	1.40	Q					130+40	0.0000	1.38	Q				
125+35	0.0000	1.40	Q					130+45	0.0000	1.38	Q				
125+40	0.0000	1.40	Q					130+50	0.0000	1.38	Q				
125+45	0.0000	1.40	Q					130+55	0.0000	1.38	Q				
125+50	0.0000	1.40	Q					131+ 0	0.0000	1.38	Q				
125+55	0.0000	1.40	Q					131+ 5	0.0000	1.38	Q				
126+ 0	0.0000	1.40	Q					131+10	0.0000	1.38	Q				
126+ 5	0.0000	1.40	Q					131+15	0.0000	1.38	Q				
126+10	0.0000	1.40	Q					131+20	0.0000	1.38	Q				
126+15	0.0000	1.40	Q					131+25	0.0000	1.38	Q				
126+20	0.0000	1.40	Q					131+30	0.0000	1.38	Q				
126+25	0.0000	1.40	Q					131+35	0.0000	1.38	Q				
126+30	0.0000	1.40	Q					131+40	0.0000	1.38	Q				
126+35	0.0000	1.40	Q					131+45	0.0000	1.38	Q				
126+40	0.0000	1.40	Q					131+50	0.0000	1.38	Q				
126+45	0.0000	1.40	Q					131+55	0.0000	1.38	Q				
126+50	0.0000	1.40	Q					132+ 0	0.0000	1.38	Q				
126+55	0.0000	1.40	Q					132+ 5	0.0000	1.38	Q				
127+ 0	0.0000	1.40	Q					132+10	0.0000	1.38	Q				
127+ 5	0.0000	1.40	Q					132+15	0.0000	1.38	Q				
127+10	0.0000	1.40	Q					132+20	0.0000	1.38	Q				
127+15	0.0000	1.40	Q					132+25	0.0000	1.37	Q				
127+20	0.0000	1.40	Q					132+30	0.0000	1.37	Q				
127+25	0.0000	1.40	Q					132+35	0.0000	1.37	Q				
127+30	0.0000	1.40	Q					132+40	0.0000	1.37	Q				
127+35	0.0000	1.39	Q					132+45	0.0000	1.37	Q				
127+40	0.0000	1.39	Q					132+50	0.0000	1.37	Q				
127+45	0.0000	1.39	Q					132+55	0.0000	1.37	Q				
127+50	0.0000	1.39	Q					133+ 0	0.0000	1.37	Q				
127+55	0.0000	1.39	Q					133+ 5	0.0000	1.37	Q				
128+ 0	0.0000	1.39	Q					133+10	0.0000	1.37	Q				
128+ 5	0.0000	1.39	Q					133+15	0.0000	1.37	Q				
128+10	0.0000	1.39	Q					133+20	0.0000	1.37	Q				
128+15	0.0000	1.39	Q					133+25	0.0000	1.37	Q				
128+20	0.0000	1.39	Q					133+30	0.0000	1.37	Q				
128+25	0.0000	1.39	Q					133+35	0.0000	1.37	Q				
128+30	0.0000	1.39	Q					133+40	0.0000	1.37	Q				
128+35	0.0000	1.39	Q					133+45	0.0000	1.37	Q				
128+40	0.0000	1.39	Q					133+50	0.0000	1.37	Q				
128+45	0.0000	1.39	Q					133+55	0.0000	1.37	Q				
128+50	0.0000	1.39	Q					134+ 0	0.0000	1.37	Q				
128+55	0.0000	1.39	Q					134+ 5	0.0000	1.37	Q				
129+ 0	0.0000	1.39	Q					134+10	0.0000	1.37	Q				
129+ 5	0.0000	1.39	Q					134+15	0.0000	1.37	Q				
129+10	0.0000	1.39	Q					134+20	0.0000	1.37	Q				
129+15	0.0000	1.39	Q					134+25	0.0000	1.37	Q				
129+20	0.0000	1.39	Q					134+30	0.0000	1.37	Q				
129+25	0.0000	1.39	Q					134+35	0.0000	1.37	Q				
129+30	0.0000	1.39	Q					134+40	0.0000	1.37	Q				
129+35	0.0000	1.39	Q					134+45	0.0000	1.37	Q				
129+40	0.0000	1.39	Q					134+50	0.0000	1.36	Q				

134+55	0.0000	1.36	Q				
135+ 0	0.0000	1.36	Q				
135+ 5	0.0000	1.36	Q				
135+10	0.0000	1.36	Q				
135+15	0.0000	1.36	Q				
135+20	0.0000	1.36	Q				
135+25	0.0000	1.36	Q				
135+30	0.0000	1.36	Q				
135+35	0.0000	1.36	Q				
135+40	0.0000	1.36	Q				
135+45	0.0000	1.36	Q				
135+50	0.0000	1.36	Q				
135+55	0.0000	1.36	Q				
136+ 0	0.0000	1.36	Q				
136+ 5	0.0000	1.36	Q				
136+10	0.0000	1.36	Q				
136+15	0.0000	1.36	Q				
136+20	0.0000	1.36	Q				
136+25	0.0000	1.36	Q				
136+30	0.0000	1.36	Q				
136+35	0.0000	1.36	Q				
136+40	0.0000	1.36	Q				
136+45	0.0000	1.36	Q				
136+50	0.0000	1.36	Q				
136+55	0.0000	1.36	Q				
137+ 0	0.0000	1.36	Q				
137+ 5	0.0000	1.36	Q				
137+10	0.0000	1.36	Q				
137+15	0.0000	1.35	Q				
137+20	0.0000	1.35	Q				
137+25	0.0000	1.35	Q				
137+30	0.0000	1.35	Q				
137+35	0.0000	1.35	Q				
137+40	0.0000	1.35	Q				
137+45	0.0000	1.35	Q				
137+50	0.0000	1.35	Q				
137+55	0.0000	1.35	Q				
138+ 0	0.0000	1.35	Q				
138+ 5	0.0000	1.35	Q				
138+10	0.0000	1.35	Q				
138+15	0.0000	1.35	Q				
138+20	0.0000	1.35	Q				
138+25	0.0000	1.35	Q				
138+30	0.0000	1.35	Q				
138+35	0.0000	1.35	Q				
138+40	0.0000	1.35	Q				
138+45	0.0000	1.35	Q				
138+50	0.0000	1.35	Q				
138+55	0.0000	1.35	Q				
139+ 0	0.0000	1.35	Q				
139+ 5	0.0000	1.35	Q				
139+10	0.0000	1.35	Q				
139+15	0.0000	1.35	Q				
139+20	0.0000	1.35	Q				
139+25	0.0000	1.35	Q				
139+30	0.0000	1.35	Q				
139+35	0.0000	1.35	Q				
139+40	0.0000	1.34	Q				
139+45	0.0000	1.34	Q				
139+50	0.0000	1.34	Q				
139+55	0.0000	1.34	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 5000
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 89.589 (CFS)
Total volume = 46.031 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 4.800 to Point/Station 4.900
**** STREAM ROUTING SCS CONVEX METHOD ****

HYDROGRAPH STREAM ROUTING DATA:
Length of stream = 116.00 (Ft.)
Elevation difference = 5.00 (Ft.)
Slope of channel = 0.043103 (Vert/Horiz)
Channel type - Pipe

Pipe length = 116.00(Ft.) Elevation difference = 5.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow = 30.755(CFS)
Nearest computed pipe diameter = 21.00(In.)
Calculated individual pipe flow = 30.755(CFS)
Normal flow depth in pipe = 16.10(In.)
Flow top width inside pipe = 17.76(In.)
Critical depth could not be calculated.
Pipe flow velocity = 15.54(Ft/s)
Travel time through pipe = 0.12 min.

Pipe length = 116.00(Ft.) Elevation difference = 5.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow = 89.589(CFS)
Nearest computed pipe diameter = 30.00(In.)
Calculated individual pipe flow = 89.589(CFS)
Normal flow depth in pipe = 26.34(In.)
Flow top width inside pipe = 19.63(In.)
Critical depth could not be calculated.
Pipe flow velocity = 19.63(Ft/s)
Travel time through pipe = 0.10 min.

********** SCS CONVEX CHANNEL ROUTING **********
Convex method of stream routing data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
where c* = 1 - (1-c)^e and dt = c(length)/velocity
c(v/v+1.7) = 0.9203 Travel time = 0.10 (min.)
dt*(unit time interval) = 5.00(min.), e= 37.1111
dt(routing time-step) = 0.09 (min.), c* = 1.0000

Output hydrograph delayed by 0 unit time increments

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	22.4	44.8	67.2	89.6
0+ 5	3.9220	3.99	O				
0+10	4.7699	4.78	O				
0+15	5.9298	5.95	O				
0+20	6.6445	6.66	O				
0+25	7.4151	7.43	O				
0+30	8.5017	8.52	O				
0+35	9.7608	9.78	O				
0+40	10.7565	10.77	O				
0+45	11.3009	11.31	O				
0+50	12.3101	12.33	O				
0+55	12.3020	12.30	O				
1+ 0	11.8866	11.88	O				
1+ 5	12.6497	12.66	O				
1+10	14.5929	14.63	O				
1+15	16.7272	16.77	O				
1+20	17.8383	17.86	O				
1+25	18.3383	18.35	O				
1+30	19.6591	19.68	O				
1+35	22.0962	22.14	O				
1+40	23.1812	23.20	O				
1+45	24.0102	24.03	O				
1+50	26.6602	26.71	O				
1+55	29.2125	29.26	O				
2+ 0	29.7109	29.72	O				
2+ 5	29.8012	29.80	O				
2+10	31.0023	31.02	O				
2+15	34.9695	35.04	O				
2+20	41.6803	41.80	O				
2+25	41.9193	41.92	O				
2+30	41.9745	41.98	O				
2+35	42.0337	42.03	O				
2+40	48.2611	48.38	O				
2+45	70.6560	71.07	O				
2+50	83.2470	83.47	O				
2+55	89.4779	89.59	O				
3+ 0	52.6379	51.96	O				
3+ 5	53.1087	53.13	O				
3+10	53.0326	53.03	O				
3+15	52.1895	52.17	O				
3+20	51.0025	50.98	O				
3+25	49.6822	49.66	O				
3+30	48.3503	48.33	O				
3+35	46.4340	46.40	O				
3+40	44.5505	44.52	O				
3+45	42.7429	42.71	O				
3+50	41.0086	40.98	O				
3+55	39.3447	39.31	O				
4+ 0	37.7483	37.72	O				
4+ 5	36.2167	36.19	O				
4+10	34.7472	34.72	O				
4+15	33.3373	33.31	O				
4+20	31.9847	31.96	O				
4+25	30.6869	30.66	O				
4+30	29.4418	29.42	O				
4+35	28.0625	28.04	O				
4+40	26.4489	26.42	O				
4+45	24.9079	24.88	O				
4+50	23.4564	23.43	O				
4+55	22.0895	22.06	O				
5+ 0	20.8022	20.78	O				
5+ 5	19.5900	19.57	O				
5+10	18.4484	18.43	O				
5+15	17.3733	17.35	O				
5+20	16.3609	16.34	O				
5+25	15.4074	15.39	O				
5+30	14.5096	14.49	O				
5+35	13.6640	13.65	O				
5+40	12.8678	12.85	O				
5+45	12.1179	12.10	O				
5+50	11.4117	11.40	O				
5+55	10.7467	10.73	O				
6+ 0	10.1204	10.11	O				
6+ 5	9.5307	9.52	O				
6+10	8.9753	8.97	O				
6+15	8.4522	8.44	O				
6+20	7.9597	7.95	O				
6+25	7.4958	7.49	O				
6+30	7.0590	7.05	O				
6+35	6.6477	6.64	O				
6+40	6.2603	6.25	O				
6+45	5.8955	5.89	O				
6+50	5.5519	5.55	O				
6+55	5.2284	5.22	O				
7+ 0	4.9237	4.92	O				
7+ 5	4.6368	4.63	O				
7+10	4.3665	4.36	O				
7+15	4.1121	4.11	O				
7+20	3.8725	3.87	O				
7+25	3.6468	3.64	O				
7+30	3.4343	3.43	O				
7+35	3.2341	3.23	O				
7+40	3.0457	3.04	O				
7+45	2.8682	2.86	O				
7+50	2.7010	2.70	O				
7+55	2.5436	2.54	O				
8+ 0	2.3954	2.39	O				
8+ 5	2.2558	2.25	O				
8+10	2.1244	2.12	O				
8+15	2.0006	2.00	O				
8+20	1.8840	1.88	O				
8+25	1.8237	1.82	O				
8+30	1.8197	1.82	O				
8+35	1.8194	1.82	O				
8+40	1.8191	1.82	O				
8+45	1.8188	1.82	O				
8+50	1.8186	1.82	O				
8+55	1.8183	1.82	O				
9+ 0	1.8180	1.82	O				
9+ 5	1.8178	1.82	O				
9+10	1.8175	1.82	O				
9+15	1.8172	1.82	O				
9+20	1.8170	1.82	O				
9+25	1.8167	1.82	O				
9+30	1.8165	1.82	O				

9+35	1.8162	1.82	O					14+45	1.7999	1.80	O				
9+40	1.8159	1.82	O					14+50	1.7997	1.80	O				
9+45	1.8157	1.82	O					14+55	1.7994	1.80	O				
9+50	1.8154	1.82	O					15+ 0	1.7992	1.80	O				
9+55	1.8151	1.82	O					15+ 5	1.7989	1.80	O				
10+ 0	1.8149	1.81	O					15+10	1.7986	1.80	O				
10+ 5	1.8146	1.81	O					15+15	1.7984	1.80	O				
10+10	1.8144	1.81	O					15+20	1.7981	1.80	O				
10+15	1.8141	1.81	O					15+25	1.7979	1.80	O				
10+20	1.8138	1.81	O					15+30	1.7976	1.80	O				
10+25	1.8136	1.81	O					15+35	1.7973	1.80	O				
10+30	1.8133	1.81	O					15+40	1.7971	1.80	O				
10+35	1.8130	1.81	O					15+45	1.7968	1.80	O				
10+40	1.8128	1.81	O					15+50	1.7966	1.80	O				
10+45	1.8125	1.81	O					15+55	1.7963	1.80	O				
10+50	1.8123	1.81	O					16+ 0	1.7960	1.80	O				
10+55	1.8120	1.81	O					16+ 5	1.7958	1.80	O				
11+ 0	1.8117	1.81	O					16+10	1.7955	1.80	O				
11+ 5	1.8115	1.81	O					16+15	1.7953	1.80	O				
11+10	1.8112	1.81	O					16+20	1.7950	1.79	O				
11+15	1.8109	1.81	O					16+25	1.7947	1.79	O				
11+20	1.8107	1.81	O					16+30	1.7945	1.79	O				
11+25	1.8104	1.81	O					16+35	1.7942	1.79	O				
11+30	1.8102	1.81	O					16+40	1.7940	1.79	O				
11+35	1.8099	1.81	O					16+45	1.7937	1.79	O				
11+40	1.8096	1.81	O					16+50	1.7934	1.79	O				
11+45	1.8094	1.81	O					16+55	1.7932	1.79	O				
11+50	1.8091	1.81	O					17+ 0	1.7929	1.79	O				
11+55	1.8088	1.81	O					17+ 5	1.7927	1.79	O				
12+ 0	1.8086	1.81	O					17+10	1.7924	1.79	O				
12+ 5	1.8083	1.81	O					17+15	1.7921	1.79	O				
12+10	1.8081	1.81	O					17+20	1.7919	1.79	O				
12+15	1.8078	1.81	O					17+25	1.7916	1.79	O				
12+20	1.8075	1.81	O					17+30	1.7914	1.79	O				
12+25	1.8073	1.81	O					17+35	1.7911	1.79	O				
12+30	1.8070	1.81	O					17+40	1.7908	1.79	O				
12+35	1.8067	1.81	O					17+45	1.7906	1.79	O				
12+40	1.8065	1.81	O					17+50	1.7903	1.79	O				
12+45	1.8062	1.81	O					17+55	1.7901	1.79	O				
12+50	1.8060	1.81	O					18+ 0	1.7898	1.79	O				
12+55	1.8057	1.81	O					18+ 5	1.7895	1.79	O				
13+ 0	1.8054	1.81	O					18+10	1.7893	1.79	O				
13+ 5	1.8052	1.81	O					18+15	1.7890	1.79	O				
13+10	1.8049	1.80	O					18+20	1.7888	1.79	O				
13+15	1.8047	1.80	O					18+25	1.7885	1.79	O				
13+20	1.8044	1.80	O					18+30	1.7882	1.79	O				
13+25	1.8041	1.80	O					18+35	1.7880	1.79	O				
13+30	1.8039	1.80	O					18+40	1.7877	1.79	O				
13+35	1.8036	1.80	O					18+45	1.7875	1.79	O				
13+40	1.8033	1.80	O					18+50	1.7872	1.79	O				
13+45	1.8031	1.80	O					18+55	1.7870	1.79	O				
13+50	1.8028	1.80	O					19+ 0	1.7867	1.79	O				
13+55	1.8026	1.80	O					19+ 5	1.7864	1.79	O				
14+ 0	1.8023	1.80	O					19+10	1.7862	1.79	O				
14+ 5	1.8020	1.80	O					19+15	1.7859	1.79	O				
14+10	1.8018	1.80	O					19+20	1.7857	1.79	O				
14+15	1.8015	1.80	O					19+25	1.7854	1.79	O				
14+20	1.8013	1.80	O					19+30	1.7851	1.79	O				
14+25	1.8010	1.80	O					19+35	1.7849	1.78	O				
14+30	1.8007	1.80	O					19+40	1.7846	1.78	O				
14+35	1.8005	1.80	O					19+45	1.7844	1.78	O				
14+40	1.8002	1.80	O					19+50	1.7841	1.78	O				

19+55	1.7838	1.78	O					25+ 5	1.7679	1.77	O				
20+ 0	1.7836	1.78	O					25+10	1.7676	1.77	O				
20+ 5	1.7833	1.78	O					25+15	1.7674	1.77	O				
20+10	1.7831	1.78	O					25+20	1.7671	1.77	O				
20+15	1.7828	1.78	O					25+25	1.7669	1.77	O				
20+20	1.7826	1.78	O					25+30	1.7666	1.77	O				
20+25	1.7823	1.78	O					25+35	1.7664	1.77	O				
20+30	1.7820	1.78	O					25+40	1.7661	1.77	O				
20+35	1.7818	1.78	O					25+45	1.7658	1.77	O				
20+40	1.7815	1.78	O					25+50	1.7656	1.77	O				
20+45	1.7813	1.78	O					25+55	1.7653	1.77	O				
20+50	1.7810	1.78	O					26+ 0	1.7651	1.77	O				
20+55	1.7807	1.78	O					26+ 5	1.7648	1.76	O				
21+ 0	1.7805	1.78	O					26+10	1.7646	1.76	O				
21+ 5	1.7802	1.78	O					26+15	1.7643	1.76	O				
21+10	1.7800	1.78	O					26+20	1.7640	1.76	O				
21+15	1.7797	1.78	O					26+25	1.7638	1.76	O				
21+20	1.7795	1.78	O					26+30	1.7635	1.76	O				
21+25	1.7792	1.78	O					26+35	1.7633	1.76	O				
21+30	1.7789	1.78	O					26+40	1.7630	1.76	O				
21+35	1.7787	1.78	O					26+45	1.7628	1.76	O				
21+40	1.7784	1.78	O					26+50	1.7625	1.76	O				
21+45	1.7782	1.78	O					26+55	1.7623	1.76	O				
21+50	1.7779	1.78	O					27+ 0	1.7620	1.76	O				
21+55	1.7777	1.78	O					27+ 5	1.7617	1.76	O				
22+ 0	1.7774	1.78	O					27+10	1.7615	1.76	O				
22+ 5	1.7771	1.78	O					27+15	1.7612	1.76	O				
22+10	1.7769	1.78	O					27+20	1.7610	1.76	O				
22+15	1.7766	1.78	O					27+25	1.7607	1.76	O				
22+20	1.7764	1.78	O					27+30	1.7605	1.76	O				
22+25	1.7761	1.78	O					27+35	1.7602	1.76	O				
22+30	1.7758	1.78	O					27+40	1.7600	1.76	O				
22+35	1.7756	1.78	O					27+45	1.7597	1.76	O				
22+40	1.7753	1.78	O					27+50	1.7594	1.76	O				
22+45	1.7751	1.78	O					27+55	1.7592	1.76	O				
22+50	1.7748	1.77	O					28+ 0	1.7589	1.76	O				
22+55	1.7746	1.77	O					28+ 5	1.7586	1.76	O				
23+ 0	1.7743	1.77	O					28+10	1.7584	1.76	O				
23+ 5	1.7740	1.77	O					28+15	1.7581	1.76	O				
23+10	1.7738	1.77	O					28+20	1.7578	1.76	O				
23+15	1.7735	1.77	O					28+25	1.7575	1.76	O				
23+20	1.7733	1.77	O					28+30	1.7573	1.76	O				
23+25	1.7730	1.77	O					28+35	1.7570	1.76	O				
23+30	1.7728	1.77	O					28+40	1.7567	1.76	O				
23+35	1.7725	1.77	O					28+45	1.7565	1.76	O				
23+40	1.7722	1.77	O					28+50	1.7562	1.76	O				
23+45	1.7720	1.77	O					28+55	1.7559	1.76	O				
23+50	1.7717	1.77	O					29+ 0	1.7557	1.76	O				
23+55	1.7715	1.77	O					29+ 5	1.7554	1.76	O				
24+ 0	1.7712	1.77	O					29+10	1.7551	1.76	O				
24+ 5	1.7710	1.77	O					29+15	1.7549	1.75	O				
24+10	1.7707	1.77	O					29+20	1.7546	1.75	O				
24+15	1.7705	1.77	O					29+25	1.7543	1.75	O				
24+20	1.7702	1.77	O					29+30	1.7541	1.75	O				
24+25	1.7699	1.77	O					29+35	1.7538	1.75	O				
24+30	1.7697	1.77	O					29+40	1.7535	1.75	O				
24+35	1.7694	1.77	O					29+45	1.7533	1.75	O				
24+40	1.7692	1.77	O					29+50	1.7530	1.75	O				
24+45	1.7689	1.77	O					29+55	1.7527	1.75	O				
24+50	1.7687	1.77	O					30+ 0	1.7525	1.75	O				
24+55	1.7684	1.77	O					30+ 5	1.7522	1.75	O				
25+ 0	1.7681	1.77	O					30+10	1.7519	1.75	O				

30+15	1.7517	1.75	O					35+25	1.7352	1.74	O				
30+20	1.7514	1.75	O					35+30	1.7349	1.73	O				
30+25	1.7511	1.75	O					35+35	1.7347	1.73	O				
30+30	1.7509	1.75	O					35+40	1.7344	1.73	O				
30+35	1.7506	1.75	O					35+45	1.7341	1.73	O				
30+40	1.7503	1.75	O					35+50	1.7339	1.73	O				
30+45	1.7501	1.75	O					35+55	1.7336	1.73	O				
30+50	1.7498	1.75	O					36+ 0	1.7333	1.73	O				
30+55	1.7495	1.75	O					36+ 5	1.7331	1.73	O				
31+ 0	1.7493	1.75	O					36+10	1.7328	1.73	O				
31+ 5	1.7490	1.75	O					36+15	1.7325	1.73	O				
31+10	1.7487	1.75	O					36+20	1.7323	1.73	O				
31+15	1.7485	1.75	O					36+25	1.7320	1.73	O				
31+20	1.7482	1.75	O					36+30	1.7318	1.73	O				
31+25	1.7479	1.75	O					36+35	1.7315	1.73	O				
31+30	1.7477	1.75	O					36+40	1.7312	1.73	O				
31+35	1.7474	1.75	O					36+45	1.7310	1.73	O				
31+40	1.7471	1.75	O					36+50	1.7307	1.73	O				
31+45	1.7469	1.75	O					36+55	1.7304	1.73	O				
31+50	1.7466	1.75	O					37+ 0	1.7302	1.73	O				
31+55	1.7463	1.75	O					37+ 5	1.7299	1.73	O				
32+ 0	1.7461	1.75	O					37+10	1.7296	1.73	O				
32+ 5	1.7458	1.75	O					37+15	1.7294	1.73	O				
32+10	1.7455	1.75	O					37+20	1.7291	1.73	O				
32+15	1.7453	1.75	O					37+25	1.7289	1.73	O				
32+20	1.7450	1.74	O					37+30	1.7286	1.73	O				
32+25	1.7447	1.74	O					37+35	1.7283	1.73	O				
32+30	1.7445	1.74	O					37+40	1.7281	1.73	O				
32+35	1.7442	1.74	O					37+45	1.7278	1.73	O				
32+40	1.7439	1.74	O					37+50	1.7275	1.73	O				
32+45	1.7437	1.74	O					37+55	1.7273	1.73	O				
32+50	1.7434	1.74	O					38+ 0	1.7270	1.73	O				
32+55	1.7431	1.74	O					38+ 5	1.7267	1.73	O				
33+ 0	1.7429	1.74	O					38+10	1.7265	1.73	O				
33+ 5	1.7426	1.74	O					38+15	1.7262	1.73	O				
33+10	1.7423	1.74	O					38+20	1.7260	1.73	O				
33+15	1.7421	1.74	O					38+25	1.7257	1.73	O				
33+20	1.7418	1.74	O					38+30	1.7254	1.73	O				
33+25	1.7415	1.74	O					38+35	1.7252	1.73	O				
33+30	1.7413	1.74	O					38+40	1.7249	1.72	O				
33+35	1.7410	1.74	O					38+45	1.7246	1.72	O				
33+40	1.7408	1.74	O					38+50	1.7244	1.72	O				
33+45	1.7405	1.74	O					38+55	1.7241	1.72	O				
33+50	1.7402	1.74	O					39+ 0	1.7239	1.72	O				
33+55	1.7400	1.74	O					39+ 5	1.7236	1.72	O				
34+ 0	1.7397	1.74	O					39+10	1.7233	1.72	O				
34+ 5	1.7394	1.74	O					39+15	1.7231	1.72	O				
34+10	1.7392	1.74	O					39+20	1.7228	1.72	O				
34+15	1.7389	1.74	O					39+25	1.7225	1.72	O				
34+20	1.7386	1.74	O					39+30	1.7223	1.72	O				
34+25	1.7384	1.74	O					39+35	1.7220	1.72	O				
34+30	1.7381	1.74	O					39+40	1.7218	1.72	O				
34+35	1.7378	1.74	O					39+45	1.7215	1.72	O				
34+40	1.7376	1.74	O					39+50	1.7212	1.72	O				
34+45	1.7373	1.74	O					39+55	1.7210	1.72	O				
34+50	1.7370	1.74	O					40+ 0	1.7207	1.72	O				
34+55	1.7368	1.74	O					40+ 5	1.7204	1.72	O				
35+ 0	1.7365	1.74	O					40+10	1.7202	1.72	O				
35+ 5	1.7362	1.74	O					40+15	1.7199	1.72	O				
35+10	1.7360	1.74	O					40+20	1.7197	1.72	O				
35+15	1.7357	1.74	O					40+25	1.7194	1.72	O				
35+20	1.7355	1.74	O					40+30	1.7191	1.72	O				

40+35	1.7189	1.72	O					45+45	1.7027	1.70	O				
40+40	1.7186	1.72	O					45+50	1.7024	1.70	O				
40+45	1.7183	1.72	O					45+55	1.7022	1.70	O				
40+50	1.7181	1.72	O					46+ 0	1.7019	1.70	O				
40+55	1.7178	1.72	O					46+ 5	1.7017	1.70	O				
41+ 0	1.7176	1.72	O					46+10	1.7014	1.70	O				
41+ 5	1.7173	1.72	O					46+15	1.7011	1.70	O				
41+10	1.7170	1.72	O					46+20	1.7009	1.70	O				
41+15	1.7168	1.72	O					46+25	1.7006	1.70	O				
41+20	1.7165	1.72	O					46+30	1.7004	1.70	O				
41+25	1.7162	1.72	O					46+35	1.7001	1.70	O				
41+30	1.7160	1.72	O					46+40	1.6998	1.70	O				
41+35	1.7157	1.72	O					46+45	1.6995	1.70	O				
41+40	1.7155	1.72	O					46+50	1.6992	1.70	O				
41+45	1.7152	1.72	O					46+55	1.6989	1.70	O				
41+50	1.7149	1.71	O					47+ 0	1.6986	1.70	O				
41+55	1.7147	1.71	O					47+ 5	1.6983	1.70	O				
42+ 0	1.7144	1.71	O					47+10	1.6980	1.70	O				
42+ 5	1.7142	1.71	O					47+15	1.6977	1.70	O				
42+10	1.7139	1.71	O					47+20	1.6974	1.70	O				
42+15	1.7136	1.71	O					47+25	1.6970	1.70	O				
42+20	1.7134	1.71	O					47+30	1.6967	1.70	O				
42+25	1.7131	1.71	O					47+35	1.6964	1.70	O				
42+30	1.7129	1.71	O					47+40	1.6961	1.70	O				
42+35	1.7126	1.71	O					47+45	1.6958	1.70	O				
42+40	1.7123	1.71	O					47+50	1.6955	1.70	O				
42+45	1.7121	1.71	O					47+55	1.6952	1.70	O				
42+50	1.7118	1.71	O					48+ 0	1.6949	1.69	O				
42+55	1.7115	1.71	O					48+ 5	1.6946	1.69	O				
43+ 0	1.7113	1.71	O					48+10	1.6943	1.69	O				
43+ 5	1.7110	1.71	O					48+15	1.6940	1.69	O				
43+10	1.7108	1.71	O					48+20	1.6937	1.69	O				
43+15	1.7105	1.71	O					48+25	1.6934	1.69	O				
43+20	1.7102	1.71	O					48+30	1.6930	1.69	O				
43+25	1.7100	1.71	O					48+35	1.6927	1.69	O				
43+30	1.7097	1.71	O					48+40	1.6924	1.69	O				
43+35	1.7095	1.71	O					48+45	1.6921	1.69	O				
43+40	1.7092	1.71	O					48+50	1.6918	1.69	O				
43+45	1.7089	1.71	O					48+55	1.6915	1.69	O				
43+50	1.7087	1.71	O					49+ 0	1.6912	1.69	O				
43+55	1.7084	1.71	O					49+ 5	1.6909	1.69	O				
44+ 0	1.7082	1.71	O					49+10	1.6906	1.69	O				
44+ 5	1.7079	1.71	O					49+15	1.6903	1.69	O				
44+10	1.7076	1.71	O					49+20	1.6900	1.69	O				
44+15	1.7074	1.71	O					49+25	1.6897	1.69	O				
44+20	1.7071	1.71	O					49+30	1.6894	1.69	O				
44+25	1.7069	1.71	O					49+35	1.6891	1.69	O				
44+30	1.7066	1.71	O					49+40	1.6887	1.69	O				
44+35	1.7063	1.71	O					49+45	1.6884	1.69	O				
44+40	1.7061	1.71	O					49+50	1.6881	1.69	O				
44+45	1.7058	1.71	O					49+55	1.6878	1.69	O				
44+50	1.7056	1.71	O					50+ 0	1.6875	1.69	O				
44+55	1.7053	1.71	O					50+ 5	1.6872	1.69	O				
45+ 0	1.7050	1.71	O					50+10	1.6869	1.69	O				
45+ 5	1.7048	1.70	O					50+15	1.6866	1.69	O				
45+10	1.7045	1.70	O					50+20	1.6863	1.69	O				
45+15	1.7043	1.70	O					50+25	1.6860	1.69	O				
45+20	1.7040	1.70	O					50+30	1.6857	1.69	O				
45+25	1.7037	1.70	O					50+35	1.6854	1.69	O				
45+30	1.7035	1.70	O					50+40	1.6851	1.69	O				
45+35	1.7032	1.70	O					50+45	1.6848	1.68	O				
45+40	1.7030	1.70	O					50+50	1.6845	1.68	O				

50+55	1.6842	1.68	O					56+ 5	1.6653	1.67	O				
51+ 0	1.6839	1.68	O					56+10	1.6650	1.67	O				
51+ 5	1.6835	1.68	O					56+15	1.6647	1.66	O				
51+10	1.6832	1.68	O					56+20	1.6644	1.66	O				
51+15	1.6829	1.68	O					56+25	1.6641	1.66	O				
51+20	1.6826	1.68	O					56+30	1.6638	1.66	O				
51+25	1.6823	1.68	O					56+35	1.6635	1.66	O				
51+30	1.6820	1.68	O					56+40	1.6632	1.66	O				
51+35	1.6817	1.68	O					56+45	1.6629	1.66	O				
51+40	1.6814	1.68	O					56+50	1.6626	1.66	O				
51+45	1.6811	1.68	O					56+55	1.6623	1.66	O				
51+50	1.6808	1.68	O					57+ 0	1.6620	1.66	O				
51+55	1.6805	1.68	O					57+ 5	1.6617	1.66	O				
52+ 0	1.6802	1.68	O					57+10	1.6614	1.66	O				
52+ 5	1.6799	1.68	O					57+15	1.6611	1.66	O				
52+10	1.6796	1.68	O					57+20	1.6608	1.66	O				
52+15	1.6793	1.68	O					57+25	1.6605	1.66	O				
52+20	1.6790	1.68	O					57+30	1.6602	1.66	O				
52+25	1.6787	1.68	O					57+35	1.6599	1.66	O				
52+30	1.6784	1.68	O					57+40	1.6596	1.66	O				
52+35	1.6781	1.68	O					57+45	1.6593	1.66	O				
52+40	1.6777	1.68	O					57+50	1.6590	1.66	O				
52+45	1.6774	1.68	O					57+55	1.6587	1.66	O				
52+50	1.6771	1.68	O					58+ 0	1.6584	1.66	O				
52+55	1.6768	1.68	O					58+ 5	1.6581	1.66	O				
53+ 0	1.6765	1.68	O					58+10	1.6578	1.66	O				
53+ 5	1.6762	1.68	O					58+15	1.6575	1.66	O				
53+10	1.6759	1.68	O					58+20	1.6572	1.66	O				
53+15	1.6756	1.68	O					58+25	1.6569	1.66	O				
53+20	1.6753	1.68	O					58+30	1.6566	1.66	O				
53+25	1.6750	1.68	O					58+35	1.6563	1.66	O				
53+30	1.6747	1.67	O					58+40	1.6560	1.66	O				
53+35	1.6744	1.67	O					58+45	1.6557	1.66	O				
53+40	1.6741	1.67	O					58+50	1.6554	1.66	O				
53+45	1.6738	1.67	O					58+55	1.6551	1.66	O				
53+50	1.6735	1.67	O					59+ 0	1.6548	1.65	O				
53+55	1.6732	1.67	O					59+ 5	1.6545	1.65	O				
54+ 0	1.6729	1.67	O					59+10	1.6542	1.65	O				
54+ 5	1.6726	1.67	O					59+15	1.6539	1.65	O				
54+10	1.6723	1.67	O					59+20	1.6536	1.65	O				
54+15	1.6720	1.67	O					59+25	1.6533	1.65	O				
54+20	1.6717	1.67	O					59+30	1.6530	1.65	O				
54+25	1.6714	1.67	O					59+35	1.6527	1.65	O				
54+30	1.6711	1.67	O					59+40	1.6524	1.65	O				
54+35	1.6708	1.67	O					59+45	1.6521	1.65	O				
54+40	1.6705	1.67	O					59+50	1.6518	1.65	O				
54+45	1.6702	1.67	O					59+55	1.6515	1.65	O				
54+50	1.6698	1.67	O					60+ 0	1.6512	1.65	O				
54+55	1.6695	1.67	O					60+ 5	1.6509	1.65	O				
55+ 0	1.6692	1.67	O					60+10	1.6506	1.65	O				
55+ 5	1.6689	1.67	O					60+15	1.6503	1.65	O				
55+10	1.6686	1.67	O					60+20	1.6500	1.65	O				
55+15	1.6683	1.67	O					60+25	1.6497	1.65	O				
55+20	1.6680	1.67	O					60+30	1.6494	1.65	O				
55+25	1.6677	1.67	O					60+35	1.6491	1.65	O				
55+30	1.6674	1.67	O					60+40	1.6488	1.65	O				
55+35	1.6671	1.67	O					60+45	1.6485	1.65	O				
55+40	1.6668	1.67	O					60+50	1.6482	1.65	O				
55+45	1.6665	1.67	O					60+55	1.6479	1.65	O				
55+50	1.6662	1.67	O					61+ 0	1.6476	1.65	O				
55+55	1.6659	1.67	O					61+ 5	1.6473	1.65	O				
56+ 0	1.6656	1.67	O					61+10	1.6470	1.65	O				

61+15	1.6467	1.65	O					66+25	1.6282	1.63	O				
61+20	1.6464	1.65	O					66+30	1.6279	1.63	O				
61+25	1.6461	1.65	O					66+35	1.6276	1.63	O				
61+30	1.6458	1.65	O					66+40	1.6273	1.63	O				
61+35	1.6455	1.65	O					66+45	1.6270	1.63	O				
61+40	1.6452	1.65	O					66+50	1.6267	1.63	O				
61+45	1.6449	1.64	O					66+55	1.6263	1.63	O				
61+50	1.6446	1.64	O					67+ 0	1.6260	1.63	O				
61+55	1.6443	1.64	O					67+ 5	1.6257	1.63	O				
62+ 0	1.6440	1.64	O					67+10	1.6254	1.63	O				
62+ 5	1.6437	1.64	O					67+15	1.6251	1.63	O				
62+10	1.6434	1.64	O					67+20	1.6248	1.62	O				
62+15	1.6431	1.64	O					67+25	1.6245	1.62	O				
62+20	1.6428	1.64	O					67+30	1.6242	1.62	O				
62+25	1.6425	1.64	O					67+35	1.6239	1.62	O				
62+30	1.6422	1.64	O					67+40	1.6236	1.62	O				
62+35	1.6419	1.64	O					67+45	1.6233	1.62	O				
62+40	1.6416	1.64	O					67+50	1.6230	1.62	O				
62+45	1.6413	1.64	O					67+55	1.6227	1.62	O				
62+50	1.6410	1.64	O					68+ 0	1.6224	1.62	O				
62+55	1.6407	1.64	O					68+ 5	1.6221	1.62	O				
63+ 0	1.6404	1.64	O					68+10	1.6218	1.62	O				
63+ 5	1.6401	1.64	O					68+15	1.6215	1.62	O				
63+10	1.6398	1.64	O					68+20	1.6212	1.62	O				
63+15	1.6395	1.64	O					68+25	1.6209	1.62	O				
63+20	1.6392	1.64	O					68+30	1.6206	1.62	O				
63+25	1.6389	1.64	O					68+35	1.6202	1.62	O				
63+30	1.6386	1.64	O					68+40	1.6199	1.62	O				
63+35	1.6383	1.64	O					68+45	1.6196	1.62	O				
63+40	1.6380	1.64	O					68+50	1.6193	1.62	O				
63+45	1.6377	1.64	O					68+55	1.6190	1.62	O				
63+50	1.6374	1.64	O					69+ 0	1.6187	1.62	O				
63+55	1.6371	1.64	O					69+ 5	1.6184	1.62	O				
64+ 0	1.6368	1.64	O					69+10	1.6181	1.62	O				
64+ 5	1.6365	1.64	O					69+15	1.6178	1.62	O				
64+10	1.6362	1.64	O					69+20	1.6175	1.62	O				
64+15	1.6359	1.64	O					69+25	1.6172	1.62	O				
64+20	1.6357	1.64	O					69+30	1.6169	1.62	O				
64+25	1.6354	1.64	O					69+35	1.6166	1.62	O				
64+30	1.6351	1.64	O					69+40	1.6163	1.62	O				
64+35	1.6348	1.63	O					69+45	1.6160	1.62	O				
64+40	1.6345	1.63	O					69+50	1.6157	1.62	O				
64+45	1.6342	1.63	O					69+55	1.6154	1.62	O				
64+50	1.6339	1.63	O					70+ 0	1.6151	1.62	O				
64+55	1.6336	1.63	O					70+ 5	1.6148	1.61	O				
65+ 0	1.6333	1.63	O					70+10	1.6145	1.61	O				
65+ 5	1.6330	1.63	O					70+15	1.6142	1.61	O				
65+10	1.6327	1.63	O					70+20	1.6139	1.61	O				
65+15	1.6324	1.63	O					70+25	1.6136	1.61	O				
65+20	1.6321	1.63	O					70+30	1.6133	1.61	O				
65+25	1.6318	1.63	O					70+35	1.6130	1.61	O				
65+30	1.6315	1.63	O					70+40	1.6127	1.61	O				
65+35	1.6312	1.63	O					70+45	1.6123	1.61	O				
65+40	1.6309	1.63	O					70+50	1.6120	1.61	O				
65+45	1.6306	1.63	O					70+55	1.6117	1.61	O				
65+50	1.6303	1.63	O					71+ 0	1.6114	1.61	O				
65+55	1.6300	1.63	O					71+ 5	1.6111	1.61	O				
66+ 0	1.6297	1.63	O					71+10	1.6108	1.61	O				
66+ 5	1.6294	1.63	O					71+15	1.6105	1.61	O				
66+10	1.6291	1.63	O					71+20	1.6102	1.61	O				
66+15	1.6288	1.63	O					71+25	1.6099	1.61	O				
66+20	1.6285	1.63	O					71+30	1.6096	1.61	O				

71+35	1.6093	1.61	O					76+45	1.5907	1.59	O				
71+40	1.6090	1.61	O					76+50	1.5904	1.59	O				
71+45	1.6087	1.61	O					76+55	1.5901	1.59	O				
71+50	1.6084	1.61	O					77+ 0	1.5898	1.59	O				
71+55	1.6081	1.61	O					77+ 5	1.5895	1.59	O				
72+ 0	1.6078	1.61	O					77+10	1.5892	1.59	O				
72+ 5	1.6075	1.61	O					77+15	1.5889	1.59	O				
72+10	1.6072	1.61	O					77+20	1.5886	1.59	O				
72+15	1.6069	1.61	O					77+25	1.5883	1.59	O				
72+20	1.6066	1.61	O					77+30	1.5880	1.59	O				
72+25	1.6063	1.61	O					77+35	1.5877	1.59	O				
72+30	1.6060	1.61	O					77+40	1.5874	1.59	O				
72+35	1.6057	1.61	O					77+45	1.5871	1.59	O				
72+40	1.6054	1.61	O					77+50	1.5868	1.59	O				
72+45	1.6051	1.61	O					77+55	1.5865	1.59	O				
72+50	1.6048	1.60	O					78+ 0	1.5862	1.59	O				
72+55	1.6045	1.60	O					78+ 5	1.5859	1.59	O				
73+ 0	1.6042	1.60	O					78+10	1.5856	1.59	O				
73+ 5	1.6039	1.60	O					78+15	1.5853	1.59	O				
73+10	1.6036	1.60	O					78+20	1.5850	1.59	O				
73+15	1.6033	1.60	O					78+25	1.5847	1.58	O				
73+20	1.6030	1.60	O					78+30	1.5844	1.58	O				
73+25	1.6027	1.60	O					78+35	1.5841	1.58	O				
73+30	1.6024	1.60	O					78+40	1.5838	1.58	O				
73+35	1.6021	1.60	O					78+45	1.5835	1.58	O				
73+40	1.6018	1.60	O					78+50	1.5832	1.58	O				
73+45	1.6015	1.60	O					78+55	1.5829	1.58	O				
73+50	1.6012	1.60	O					79+ 0	1.5826	1.58	O				
73+55	1.6009	1.60	O					79+ 5	1.5823	1.58	O				
74+ 0	1.6006	1.60	O					79+10	1.5820	1.58	O				
74+ 5	1.6003	1.60	O					79+15	1.5817	1.58	O				
74+10	1.6000	1.60	O					79+20	1.5814	1.58	O				
74+15	1.5997	1.60	O					79+25	1.5811	1.58	O				
74+20	1.5994	1.60	O					79+30	1.5808	1.58	O				
74+25	1.5991	1.60	O					79+35	1.5805	1.58	O				
74+30	1.5988	1.60	O					79+40	1.5802	1.58	O				
74+35	1.5985	1.60	O					79+45	1.5799	1.58	O				
74+40	1.5982	1.60	O					79+50	1.5797	1.58	O				
74+45	1.5979	1.60	O					79+55	1.5794	1.58	O				
74+50	1.5976	1.60	O					80+ 0	1.5791	1.58	O				
74+55	1.5973	1.60	O					80+ 5	1.5788	1.58	O				
75+ 0	1.5970	1.60	O					80+10	1.5785	1.58	O				
75+ 5	1.5967	1.60	O					80+15	1.5782	1.58	O				
75+10	1.5964	1.60	O					80+20	1.5779	1.58	O				
75+15	1.5961	1.60	O					80+25	1.5776	1.58	O				
75+20	1.5958	1.60	O					80+30	1.5773	1.58	O				
75+25	1.5955	1.60	O					80+35	1.5770	1.58	O				
75+30	1.5952	1.60	O					80+40	1.5767	1.58	O				
75+35	1.5949	1.59	O					80+45	1.5764	1.58	O				
75+40	1.5946	1.59	O					80+50	1.5761	1.58	O				
75+45	1.5943	1.59	O					80+55	1.5758	1.58	O				
75+50	1.5940	1.59	O					81+ 0	1.5755	1.58	O				
75+55	1.5937	1.59	O					81+ 5	1.5752	1.58	O				
76+ 0	1.5934	1.59	O					81+10	1.5749	1.57	O				
76+ 5	1.5931	1.59	O					81+15	1.5746	1.57	O				
76+10	1.5928	1.59	O					81+20	1.5743	1.57	O				
76+15	1.5925	1.59	O					81+25	1.5740	1.57	O				
76+20	1.5922	1.59	O					81+30	1.5737	1.57	O				
76+25	1.5919	1.59	O					81+35	1.5734	1.57	O				
76+30	1.5916	1.59	O					81+40	1.5731	1.57	O				
76+35	1.5913	1.59	O					81+45	1.5728	1.57	O				
76+40	1.5910	1.59	O					81+50	1.5725	1.57	O				

81+55	1.5722	1.57	O					87+ 5	1.5537	1.55	O				
82+ 0	1.5720	1.57	O					87+10	1.5534	1.55	O				
82+ 5	1.5717	1.57	O					87+15	1.5531	1.55	O				
82+10	1.5714	1.57	O					87+20	1.5528	1.55	O				
82+15	1.5711	1.57	O					87+25	1.5525	1.55	O				
82+20	1.5708	1.57	O					87+30	1.5522	1.55	O				
82+25	1.5705	1.57	O					87+35	1.5519	1.55	O				
82+30	1.5702	1.57	O					87+40	1.5516	1.55	O				
82+35	1.5699	1.57	O					87+45	1.5513	1.55	O				
82+40	1.5696	1.57	O					87+50	1.5510	1.55	O				
82+45	1.5693	1.57	O					87+55	1.5506	1.55	O				
82+50	1.5690	1.57	O					88+ 0	1.5503	1.55	O				
82+55	1.5687	1.57	O					88+ 5	1.5500	1.55	O				
83+ 0	1.5684	1.57	O					88+10	1.5497	1.55	O				
83+ 5	1.5681	1.57	O					88+15	1.5494	1.55	O				
83+10	1.5678	1.57	O					88+20	1.5491	1.55	O				
83+15	1.5675	1.57	O					88+25	1.5488	1.55	O				
83+20	1.5672	1.57	O					88+30	1.5485	1.55	O				
83+25	1.5669	1.57	O					88+35	1.5482	1.55	O				
83+30	1.5666	1.57	O					88+40	1.5479	1.55	O				
83+35	1.5663	1.57	O					88+45	1.5476	1.55	O				
83+40	1.5661	1.57	O					88+50	1.5473	1.55	O				
83+45	1.5658	1.57	O					88+55	1.5470	1.55	O				
83+50	1.5655	1.57	O					89+ 0	1.5467	1.55	O				
83+55	1.5652	1.57	O					89+ 5	1.5464	1.55	O				
84+ 0	1.5649	1.56	O					89+10	1.5461	1.55	O				
84+ 5	1.5646	1.56	O					89+15	1.5457	1.55	O				
84+10	1.5643	1.56	O					89+20	1.5454	1.55	O				
84+15	1.5640	1.56	O					89+25	1.5451	1.55	O				
84+20	1.5637	1.56	O					89+30	1.5448	1.54	O				
84+25	1.5634	1.56	O					89+35	1.5445	1.54	O				
84+30	1.5631	1.56	O					89+40	1.5442	1.54	O				
84+35	1.5628	1.56	O					89+45	1.5439	1.54	O				
84+40	1.5625	1.56	O					89+50	1.5436	1.54	O				
84+45	1.5622	1.56	O					89+55	1.5433	1.54	O				
84+50	1.5619	1.56	O					90+ 0	1.5430	1.54	O				
84+55	1.5616	1.56	O					90+ 5	1.5427	1.54	O				
85+ 0	1.5614	1.56	O					90+10	1.5424	1.54	O				
85+ 5	1.5611	1.56	O					90+15	1.5421	1.54	O				
85+10	1.5608	1.56	O					90+20	1.5418	1.54	O				
85+15	1.5605	1.56	O					90+25	1.5415	1.54	O				
85+20	1.5602	1.56	O					90+30	1.5412	1.54	O				
85+25	1.5599	1.56	O					90+35	1.5409	1.54	O				
85+30	1.5596	1.56	O					90+40	1.5406	1.54	O				
85+35	1.5593	1.56	O					90+45	1.5403	1.54	O				
85+40	1.5590	1.56	O					90+50	1.5400	1.54	O				
85+45	1.5586	1.56	O					90+55	1.5396	1.54	O				
85+50	1.5583	1.56	O					91+ 0	1.5393	1.54	O				
85+55	1.5580	1.56	O					91+ 5	1.5390	1.54	O				
86+ 0	1.5577	1.56	O					91+10	1.5387	1.54	O				
86+ 5	1.5574	1.56	O					91+15	1.5384	1.54	O				
86+10	1.5571	1.56	O					91+20	1.5381	1.54	O				
86+15	1.5568	1.56	O					91+25	1.5378	1.54	O				
86+20	1.5565	1.56	O					91+30	1.5375	1.54	O				
86+25	1.5562	1.56	O					91+35	1.5372	1.54	O				
86+30	1.5559	1.56	O					91+40	1.5369	1.54	O				
86+35	1.5556	1.56	O					91+45	1.5366	1.54	O				
86+40	1.5553	1.56	O					91+50	1.5363	1.54	O				
86+45	1.5549	1.55	O					91+55	1.5360	1.54	O				
86+50	1.5546	1.55	O					92+ 0	1.5357	1.54	O				
86+55	1.5543	1.55	O					92+ 5	1.5354	1.54	O				
87+ 0	1.5540	1.55	O					92+10	1.5351	1.54	O				

92+15	1.5348	1.53	O				
92+20	1.5345	1.53	O				
92+25	1.5342	1.53	O				
92+30	1.5339	1.53	O				
92+35	1.5336	1.53	O				
92+40	1.5333	1.53	O				
92+45	1.5330	1.53	O				
92+50	1.5327	1.53	O				
92+55	1.5324	1.53	O				
93+ 0	1.5320	1.53	O				
93+ 5	1.5317	1.53	O				
93+10	1.5314	1.53	O				
93+15	1.5311	1.53	O				
93+20	1.5308	1.53	O				
93+25	1.5305	1.53	O				
93+30	1.5302	1.53	O				
93+35	1.5299	1.53	O				
93+40	1.5296	1.53	O				
93+45	1.5293	1.53	O				
93+50	1.5290	1.53	O				
93+55	1.5287	1.53	O				
94+ 0	1.5284	1.53	O				
94+ 5	1.5281	1.53	O				
94+10	1.5278	1.53	O				
94+15	1.5275	1.53	O				
94+20	1.5272	1.53	O				
94+25	1.5269	1.53	O				
94+30	1.5266	1.53	O				
94+35	1.5263	1.53	O				
94+40	1.5260	1.53	O				
94+45	1.5257	1.53	O				
94+50	1.5254	1.53	O				
94+55	1.5251	1.53	O				
95+ 0	1.5248	1.52	O				
95+ 5	1.5245	1.52	O				
95+10	1.5242	1.52	O				
95+15	1.5239	1.52	O				
95+20	1.5236	1.52	O				
95+25	1.5233	1.52	O				
95+30	1.5230	1.52	O				
95+35	1.5227	1.52	O				
95+40	1.5224	1.52	O				
95+45	1.5221	1.52	O				
95+50	1.5218	1.52	O				
95+55	1.5215	1.52	O				
96+ 0	1.5212	1.52	O				
96+ 5	1.5209	1.52	O				
96+10	1.5206	1.52	O				
96+15	1.5203	1.52	O				
96+20	1.5200	1.52	O				
96+25	1.5197	1.52	O				
96+30	1.5194	1.52	O				
96+35	1.5191	1.52	O				
96+40	1.5188	1.52	O				
96+45	1.5185	1.52	O				
96+50	1.5182	1.52	O				
96+55	1.5179	1.52	O				
97+ 0	1.5176	1.52	O				
97+ 5	1.5173	1.52	O				
97+10	1.5170	1.52	O				
97+15	1.5167	1.52	O				
97+20	1.5164	1.52	O				
97+25	1.5161	1.52	O				
97+30	1.5158	1.52	O				
97+35	1.5155	1.52	O				
97+40	1.5152	1.52	O				
97+45	1.5149	1.51	O				
97+50	1.5146	1.51	O				
97+55	1.5143	1.51	O				
98+ 0	1.5140	1.51	O				
98+ 5	1.5137	1.51	O				
98+10	1.5134	1.51	O				
98+15	1.5131	1.51	O				
98+20	1.5128	1.51	O				
98+25	1.5125	1.51	O				
98+30	1.5122	1.51	O				
98+35	1.5119	1.51	O				
98+40	1.5116	1.51	O				
98+45	1.5113	1.51	O				
98+50	1.5110	1.51	O				
98+55	1.5107	1.51	O				
99+ 0	1.5104	1.51	O				
99+ 5	1.5101	1.51	O				
99+10	1.5098	1.51	O				
99+15	1.5095	1.51	O				
99+20	1.5092	1.51	O				
99+25	1.5089	1.51	O				
99+30	1.5086	1.51	O				
99+35	1.5083	1.51	O				
99+40	1.5080	1.51	O				
99+45	1.5077	1.51	O				
99+50	1.5074	1.51	O				
99+55	1.5071	1.51	O				
100+ 0	1.5068	1.51	O				
100+ 5	1.5065	1.51	O				
100+10	1.5062	1.51	O				
100+15	1.5059	1.51	O				
100+20	1.5056	1.51	O				
100+25	1.5053	1.51	O				
100+30	1.5050	1.51	O				
100+35	1.5047	1.50	O				
100+40	1.5044	1.50	O				
100+45	1.5041	1.50	O				
100+50	1.5038	1.50	O				
100+55	1.5035	1.50	O				
101+ 0	1.5032	1.50	O				
101+ 5	1.5029	1.50	O				
101+10	1.5026	1.50	O				
101+15	1.5023	1.50	O				
101+20	1.5020	1.50	O				
101+25	1.5017	1.50	O				
101+30	1.5014	1.50	O				
101+35	1.5011	1.50	O				
101+40	1.5009	1.50	O				
101+45	1.5006	1.50	O				
101+50	1.5003	1.50	O				
101+55	1.5000	1.50	O				
102+ 0	1.4997	1.50	O				
102+ 5	1.4994	1.50	O				
102+10	1.4991	1.50	O				
102+15	1.4988	1.50	O				
102+20	1.4985	1.50	O				
102+25	1.4982	1.50	O				
102+30	1.4979	1.50	O				

102+35	1.4976	1.50	O				
102+40	1.4973	1.50	O				
102+45	1.4970	1.50	O				
102+50	1.4967	1.50	O				
102+55	1.4964	1.50	O				
103+ 0	1.4961	1.50	O				
103+ 5	1.4958	1.50	O				
103+10	1.4955	1.50	O				
103+15	1.4952	1.50	O				
103+20	1.4949	1.49	O				
103+25	1.4946	1.49	O				
103+30	1.4943	1.49	O				
103+35	1.4940	1.49	O				
103+40	1.4937	1.49	O				
103+45	1.4934	1.49	O				
103+50	1.4932	1.49	O				
103+55	1.4929	1.49	O				
104+ 0	1.4926	1.49	O				
104+ 5	1.4923	1.49	O				
104+10	1.4920	1.49	O				
104+15	1.4917	1.49	O				
104+20	1.4914	1.49	O				
104+25	1.4911	1.49	O				
104+30	1.4908	1.49	O				
104+35	1.4905	1.49	O				
104+40	1.4902	1.49	O				
104+45	1.4899	1.49	O				
104+50	1.4895	1.49	O				
104+55	1.4892	1.49	O				
105+ 0	1.4888	1.49	O				
105+ 5	1.4885	1.49	O				
105+10	1.4881	1.49	O				
105+15	1.4878	1.49	O				
105+20	1.4874	1.49	O				
105+25	1.4871	1.49	O				
105+30	1.4867	1.49	O				
105+35	1.4863	1.49	O				
105+40	1.4860	1.49	O				
105+45	1.4856	1.49	O				
105+50	1.4853	1.49	O				
105+55	1.4849	1.48	O				
106+ 0	1.4846	1.48	O				
106+ 5	1.4842	1.48	O				
106+10	1.4839	1.48	O				
106+15	1.4835	1.48	O				
106+20	1.4832	1.48	O				
106+25	1.4828	1.48	O				
106+30	1.4825	1.48	O				
106+35	1.4821	1.48	O				
106+40	1.4817	1.48	O				
106+45	1.4814	1.48	O				
106+50	1.4810	1.48	O				
106+55	1.4807	1.48	O				
107+ 0	1.4803	1.48	O				
107+ 5	1.4800	1.48	O				
107+10	1.4796	1.48	O				
107+15	1.4793	1.48	O				
107+20	1.4789	1.48	O				
107+25	1.4786	1.48	O				
107+30	1.4782	1.48	O				
107+35	1.4779	1.48	O				
107+40	1.4775	1.48	O				
107+45	1.4772	1.48	O				
107+50	1.4768	1.48	O				
107+55	1.4765	1.48	O				
108+ 0	1.4761	1.48	O				
108+ 5	1.4758	1.48	O				
108+10	1.4754	1.48	O				
108+15	1.4751	1.48	O				
108+20	1.4747	1.47	O				
108+25	1.4744	1.47	O				
108+30	1.4740	1.47	O				
108+35	1.4737	1.47	O				
108+40	1.4733	1.47	O				
108+45	1.4729	1.47	O				
108+50	1.4726	1.47	O				
108+55	1.4722	1.47	O				
109+ 0	1.4719	1.47	O				
109+ 5	1.4715	1.47	O				
109+10	1.4712	1.47	O				
109+15	1.4708	1.47	O				
109+20	1.4705	1.47	O				
109+25	1.4701	1.47	O				
109+30	1.4698	1.47	O				
109+35	1.4694	1.47	O				
109+40	1.4691	1.47	O				
109+45	1.4687	1.47	O				
109+50	1.4684	1.47	O				
109+55	1.4680	1.47	O				
110+ 0	1.4677	1.47	O				
110+ 5	1.4673	1.47	O				
110+10	1.4670	1.47	O				
110+15	1.4666	1.47	O				
110+20	1.4663	1.47	O				
110+25	1.4659	1.47	O				
110+30	1.4656	1.47	O				
110+35	1.4653	1.47	O				
110+40	1.4649	1.46	O				
110+45	1.4646	1.46	O				
110+50	1.4642	1.46	O				
110+55	1.4639	1.46	O				
111+ 0	1.4635	1.46	O				
111+ 5	1.4632	1.46	O				
111+10	1.4628	1.46	O				
111+15	1.4625	1.46	O				
111+20	1.4621	1.46	O				
111+25	1.4618	1.46	O				
111+30	1.4614	1.46	O				
111+35	1.4611	1.46	O				
111+40	1.4607	1.46	O				
111+45	1.4604	1.46	O				
111+50	1.4600	1.46	O				
111+55	1.4597	1.46	O				
112+ 0	1.4593	1.46	O				
112+ 5	1.4590	1.46	O				
112+10	1.4586	1.46	O				
112+15	1.4583	1.46	O				
112+20	1.4579	1.46	O				
112+25	1.4576	1.46	O				
112+30	1.4572	1.46	O				
112+35	1.4569	1.46	O				
112+40	1.4566	1.46	O				
112+45	1.4562	1.46	O				
112+50	1.4559	1.46	O				

112+55	1.4555	1.46	O					118+ 5	1.4342	1.43	O				
113+ 0	1.4552	1.46	O					118+10	1.4338	1.43	O				
113+ 5	1.4548	1.45	O					118+15	1.4335	1.43	O				
113+10	1.4545	1.45	O					118+20	1.4331	1.43	O				
113+15	1.4541	1.45	O					118+25	1.4328	1.43	O				
113+20	1.4538	1.45	O					118+30	1.4325	1.43	O				
113+25	1.4534	1.45	O					118+35	1.4321	1.43	O				
113+30	1.4531	1.45	O					118+40	1.4318	1.43	O				
113+35	1.4527	1.45	O					118+45	1.4314	1.43	O				
113+40	1.4524	1.45	O					118+50	1.4311	1.43	O				
113+45	1.4520	1.45	O					118+55	1.4308	1.43	O				
113+50	1.4517	1.45	O					119+ 0	1.4304	1.43	O				
113+55	1.4514	1.45	O					119+ 5	1.4301	1.43	O				
114+ 0	1.4510	1.45	O					119+10	1.4297	1.43	O				
114+ 5	1.4507	1.45	O					119+15	1.4294	1.43	O				
114+10	1.4503	1.45	O					119+20	1.4291	1.43	O				
114+15	1.4500	1.45	O					119+25	1.4287	1.43	O				
114+20	1.4496	1.45	O					119+30	1.4284	1.43	O				
114+25	1.4493	1.45	O					119+35	1.4280	1.43	O				
114+30	1.4489	1.45	O					119+40	1.4277	1.43	O				
114+35	1.4486	1.45	O					119+45	1.4274	1.43	O				
114+40	1.4482	1.45	O					119+50	1.4270	1.43	O				
114+45	1.4479	1.45	O					119+55	1.4267	1.43	O				
114+50	1.4476	1.45	O					120+ 0	1.4263	1.43	O				
114+55	1.4472	1.45	O					120+ 5	1.4260	1.43	O				
115+ 0	1.4469	1.45	O					120+10	1.4257	1.43	O				
115+ 5	1.4465	1.45	O					120+15	1.4253	1.43	O				
115+10	1.4462	1.45	O					120+20	1.4250	1.42	O				
115+15	1.4458	1.45	O					120+25	1.4246	1.42	O				
115+20	1.4455	1.45	O					120+30	1.4243	1.42	O				
115+25	1.4451	1.45	O					120+35	1.4240	1.42	O				
115+30	1.4448	1.44	O					120+40	1.4236	1.42	O				
115+35	1.4445	1.44	O					120+45	1.4233	1.42	O				
115+40	1.4441	1.44	O					120+50	1.4229	1.42	O				
115+45	1.4438	1.44	O					120+55	1.4226	1.42	O				
115+50	1.4434	1.44	O					121+ 0	1.4223	1.42	O				
115+55	1.4431	1.44	O					121+ 5	1.4219	1.42	O				
116+ 0	1.4427	1.44	O					121+10	1.4216	1.42	O				
116+ 5	1.4424	1.44	O					121+15	1.4212	1.42	O				
116+10	1.4421	1.44	O					121+20	1.4209	1.42	O				
116+15	1.4417	1.44	O					121+25	1.4206	1.42	O				
116+20	1.4414	1.44	O					121+30	1.4202	1.42	O				
116+25	1.4410	1.44	O					121+35	1.4199	1.42	O				
116+30	1.4407	1.44	O					121+40	1.4196	1.42	O				
116+35	1.4403	1.44	O					121+45	1.4192	1.42	O				
116+40	1.4400	1.44	O					121+50	1.4189	1.42	O				
116+45	1.4396	1.44	O					121+55	1.4185	1.42	O				
116+50	1.4393	1.44	O					122+ 0	1.4182	1.42	O				
116+55	1.4390	1.44	O					122+ 5	1.4179	1.42	O				
117+ 0	1.4386	1.44	O					122+10	1.4175	1.42	O				
117+ 5	1.4383	1.44	O					122+15	1.4172	1.42	O				
117+10	1.4379	1.44	O					122+20	1.4169	1.42	O				
117+15	1.4376	1.44	O					122+25	1.4165	1.42	O				
117+20	1.4373	1.44	O					122+30	1.4162	1.42	O				
117+25	1.4369	1.44	O					122+35	1.4158	1.42	O				
117+30	1.4366	1.44	O					122+40	1.4155	1.42	O				
117+35	1.4362	1.44	O					122+45	1.4152	1.42	O				
117+40	1.4359	1.44	O					122+50	1.4148	1.41	O				
117+45	1.4355	1.44	O					122+55	1.4145	1.41	O				
117+50	1.4352	1.44	O					123+ 0	1.4142	1.41	O				
117+55	1.4349	1.43	O					123+ 5	1.4138	1.41	O				
118+ 0	1.4345	1.43	O					123+10	1.4135	1.41	O				

123+15	1.4131	1.41	O					128+25	1.3915	1.39	O				
123+20	1.4128	1.41	O					128+30	1.3911	1.39	O				
123+25	1.4125	1.41	O					128+35	1.3908	1.39	O				
123+30	1.4121	1.41	O					128+40	1.3904	1.39	O				
123+35	1.4118	1.41	O					128+45	1.3901	1.39	O				
123+40	1.4115	1.41	O					128+50	1.3897	1.39	O				
123+45	1.4111	1.41	O					128+55	1.3894	1.39	O				
123+50	1.4108	1.41	O					129+ 0	1.3890	1.39	O				
123+55	1.4105	1.41	O					129+ 5	1.3887	1.39	O				
124+ 0	1.4101	1.41	O					129+10	1.3883	1.39	O				
124+ 5	1.4098	1.41	O					129+15	1.3880	1.39	O				
124+10	1.4094	1.41	O					129+20	1.3876	1.39	O				
124+15	1.4091	1.41	O					129+25	1.3873	1.39	O				
124+20	1.4087	1.41	O					129+30	1.3869	1.39	O				
124+25	1.4084	1.41	O					129+35	1.3866	1.39	O				
124+30	1.4080	1.41	O					129+40	1.3862	1.39	O				
124+35	1.4076	1.41	O					129+45	1.3859	1.39	O				
124+40	1.4073	1.41	O					129+50	1.3855	1.39	O				
124+45	1.4069	1.41	O					129+55	1.3852	1.39	O				
124+50	1.4066	1.41	O					130+ 0	1.3848	1.38	O				
124+55	1.4062	1.41	O					130+ 5	1.3845	1.38	O				
125+ 0	1.4059	1.41	O					130+10	1.3841	1.38	O				
125+ 5	1.4055	1.41	O					130+15	1.3838	1.38	O				
125+10	1.4052	1.41	O					130+20	1.3834	1.38	O				
125+15	1.4048	1.40	O					130+25	1.3831	1.38	O				
125+20	1.4045	1.40	O					130+30	1.3827	1.38	O				
125+25	1.4041	1.40	O					130+35	1.3824	1.38	O				
125+30	1.4038	1.40	O					130+40	1.3820	1.38	O				
125+35	1.4034	1.40	O					130+45	1.3817	1.38	O				
125+40	1.4031	1.40	O					130+50	1.3813	1.38	O				
125+45	1.4027	1.40	O					130+55	1.3810	1.38	O				
125+50	1.4023	1.40	O					131+ 0	1.3806	1.38	O				
125+55	1.4020	1.40	O					131+ 5	1.3803	1.38	O				
126+ 0	1.4016	1.40	O					131+10	1.3799	1.38	O				
126+ 5	1.4013	1.40	O					131+15	1.3796	1.38	O				
126+10	1.4009	1.40	O					131+20	1.3793	1.38	O				
126+15	1.4006	1.40	O					131+25	1.3789	1.38	O				
126+20	1.4002	1.40	O					131+30	1.3786	1.38	O				
126+25	1.3999	1.40	O					131+35	1.3782	1.38	O				
126+30	1.3995	1.40	O					131+40	1.3779	1.38	O				
126+35	1.3992	1.40	O					131+45	1.3775	1.38	O				
126+40	1.3988	1.40	O					131+50	1.3772	1.38	O				
126+45	1.3985	1.40	O					131+55	1.3768	1.38	O				
126+50	1.3981	1.40	O					132+ 0	1.3765	1.38	O				
126+55	1.3978	1.40	O					132+ 5	1.3761	1.38	O				
127+ 0	1.3974	1.40	O					132+10	1.3758	1.38	O				
127+ 5	1.3971	1.40	O					132+15	1.3754	1.38	O				
127+10	1.3967	1.40	O					132+20	1.3751	1.38	O				
127+15	1.3964	1.40	O					132+25	1.3747	1.37	O				
127+20	1.3960	1.40	O					132+30	1.3744	1.37	O				
127+25	1.3957	1.40	O					132+35	1.3741	1.37	O				
127+30	1.3953	1.40	O					132+40	1.3737	1.37	O				
127+35	1.3950	1.39	O					132+45	1.3734	1.37	O				
127+40	1.3946	1.39	O					132+50	1.3730	1.37	O				
127+45	1.3943	1.39	O					132+55	1.3727	1.37	O				
127+50	1.3939	1.39	O					133+ 0	1.3723	1.37	O				
127+55	1.3936	1.39	O					133+ 5	1.3720	1.37	O				
128+ 0	1.3932	1.39	O					133+10	1.3716	1.37	O				
128+ 5	1.3929	1.39	O					133+15	1.3713	1.37	O				
128+10	1.3925	1.39	O					133+20	1.3709	1.37	O				
128+15	1.3922	1.39	O					133+25	1.3706	1.37	O				
128+20	1.3918	1.39	O					133+30	1.3703	1.37	O				

133+35	1.3699	1.37	O	|	|	|	|
133+40	1.3696	1.37	O	|	|	|	|
133+45	1.3692	1.37	O	|	|	|	|
133+50	1.3689	1.37	O	|	|	|	|
133+55	1.3685	1.37	O	|	|	|	|
134+ 0	1.3682	1.37	O	|	|	|	|
134+ 5	1.3678	1.37	O	|	|	|	|
134+10	1.3675	1.37	O	|	|	|	|
134+15	1.3672	1.37	O	|	|	|	|
134+20	1.3668	1.37	O	|	|	|	|
134+25	1.3665	1.37	O	|	|	|	|
134+30	1.3661	1.37	O	|	|	|	|
134+35	1.3658	1.37	O	|	|	|	|
134+40	1.3654	1.37	O	|	|	|	|
134+45	1.3651	1.37	O	|	|	|	|
134+50	1.3648	1.36	O	|	|	|	|
134+55	1.3644	1.36	O	|	|	|	|
135+ 0	1.3641	1.36	O	|	|	|	|
135+ 5	1.3637	1.36	O	|	|	|	|
135+10	1.3634	1.36	O	|	|	|	|
135+15	1.3630	1.36	O	|	|	|	|
135+20	1.3627	1.36	O	|	|	|	|
135+25	1.3624	1.36	O	|	|	|	|
135+30	1.3620	1.36	O	|	|	|	|
135+35	1.3617	1.36	O	|	|	|	|
135+40	1.3613	1.36	O	|	|	|	|
135+45	1.3610	1.36	O	|	|	|	|
135+50	1.3606	1.36	O	|	|	|	|
135+55	1.3603	1.36	O	|	|	|	|
136+ 0	1.3600	1.36	O	|	|	|	|
136+ 5	1.3596	1.36	O	|	|	|	|
136+10	1.3593	1.36	O	|	|	|	|
136+15	1.3589	1.36	O	|	|	|	|
136+20	1.3586	1.36	O	|	|	|	|
136+25	1.3582	1.36	O	|	|	|	|
136+30	1.3579	1.36	O	|	|	|	|
136+35	1.3576	1.36	O	|	|	|	|
136+40	1.3572	1.36	O	|	|	|	|
136+45	1.3569	1.36	O	|	|	|	|
136+50	1.3565	1.36	O	|	|	|	|
136+55	1.3562	1.36	O	|	|	|	|
137+ 0	1.3559	1.36	O	|	|	|	|
137+ 5	1.3555	1.36	O	|	|	|	|
137+10	1.3552	1.36	O	|	|	|	|
137+15	1.3548	1.35	O	|	|	|	|
137+20	1.3545	1.35	O	|	|	|	|
137+25	1.3542	1.35	O	|	|	|	|
137+30	1.3538	1.35	O	|	|	|	|
137+35	1.3535	1.35	O	|	|	|	|
137+40	1.3531	1.35	O	|	|	|	|
137+45	1.3528	1.35	O	|	|	|	|
137+50	1.3525	1.35	O	|	|	|	|
137+55	1.3521	1.35	O	|	|	|	|
138+ 0	1.3518	1.35	O	|	|	|	|
138+ 5	1.3514	1.35	O	|	|	|	|
138+10	1.3511	1.35	O	|	|	|	|
138+15	1.3508	1.35	O	|	|	|	|
138+20	1.3504	1.35	O	|	|	|	|
138+25	1.3501	1.35	O	|	|	|	|
138+30	1.3497	1.35	O	|	|	|	|
138+35	1.3494	1.35	O	|	|	|	|
138+40	1.3491	1.35	O	|	|	|	|
138+45	1.3487	1.35	O	|	|	|	|
138+50	1.3484	1.35	O	|	|	|	|
138+55	1.3480	1.35	O	|	|	|	|
139+ 0	1.3477	1.35	O	|	|	|	|
139+ 5	1.3474	1.35	O	|	|	|	|
139+10	1.3470	1.35	O	|	|	|	|
139+15	1.3467	1.35	O	|	|	|	|
139+20	1.3463	1.35	O	|	|	|	|
139+25	1.3460	1.35	O	|	|	|	|
139+30	1.3457	1.35	O	|	|	|	|
139+35	1.3453	1.35	O	|	|	|	|
139+40	1.3450	1.34	O	|	|	|	|
139+45	1.3446	1.34	O	|	|	|	|
139+50	1.3443	1.34	O	|	|	|	|
139+55	1.3440	1.34	O	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 5000
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 89.478 (CFS)
Total volume = 46.031 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 4.800 to Point/Station 4.900

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP4G1003100.rte

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P R I N T O F S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	22.4	44.7	67.1	89.5
0+ 5	0.0000	3.92	qQ	|	|	|	|
0+10	0.0000	4.77	q Q	|	|	|	|
0+15	0.0000	5.93	q Q	|	|	|	|
0+20	0.0000	6.64	q Q	|	|	|	|
0+25	0.0000	7.42	q Q	|	|	|	|
0+30	0.0000	8.50	q Q	|	|	|	|
0+35	0.0000	9.76	q Q	|	|	|	|
0+40	0.0000	10.76	q Q	|	|	|	|
0+45	0.0000	11.30	q Q	|	|	|	|
0+50	0.0000	12.31	q Q	|	|	|	|
0+55	0.0000	12.30	q Q	|	|	|	|
1+ 0	0.0000	11.89	q Q	|	|	|	|
1+ 5	0.0000	12.65	q Q	|	|	|	|
1+10	0.0000	14.59	q Q	|	|	|	|
1+15	0.0000	16.73	q Q	|	|	|	|
1+20	0.0000	17.84	q Q	|	|	|	|

| | | |

11+45	0.0000	1.81	Q	|	|	|	|	16+55	0.0000	1.79	Q	|	|	|	|
11+50	0.0000	1.81	Q	|	|	|	|	17+ 0	0.0000	1.79	Q	|	|	|	|
11+55	0.0000	1.81	Q	|	|	|	|	17+ 5	0.0000	1.79	Q	|	|	|	|
12+ 0	0.0000	1.81	Q	|	|	|	|	17+10	0.0000	1.79	Q	|	|	|	|
12+ 5	0.0000	1.81	Q	|	|	|	|	17+15	0.0000	1.79	Q	|	|	|	|
12+10	0.0000	1.81	Q	|	|	|	|	17+20	0.0000	1.79	Q	|	|	|	|
12+15	0.0000	1.81	Q	|	|	|	|	17+25	0.0000	1.79	Q	|	|	|	|
12+20	0.0000	1.81	Q	|	|	|	|	17+30	0.0000	1.79	Q	|	|	|	|
12+25	0.0000	1.81	Q	|	|	|	|	17+35	0.0000	1.79	Q	|	|	|	|
12+30	0.0000	1.81	Q	|	|	|	|	17+40	0.0000	1.79	Q	|	|	|	|
12+35	0.0000	1.81	Q	|	|	|	|	17+45	0.0000	1.79	Q	|	|	|	|
12+40	0.0000	1.81	Q	|	|	|	|	17+50	0.0000	1.79	Q	|	|	|	|
12+45	0.0000	1.81	Q	|	|	|	|	17+55	0.0000	1.79	Q	|	|	|	|
12+50	0.0000	1.81	Q	|	|	|	|	18+ 0	0.0000	1.79	Q	|	|	|	|
12+55	0.0000	1.81	Q	|	|	|	|	18+ 5	0.0000	1.79	Q	|	|	|	|
13+ 0	0.0000	1.81	Q	|	|	|	|	18+10	0.0000	1.79	Q	|	|	|	|
13+ 5	0.0000	1.81	Q	|	|	|	|	18+15	0.0000	1.79	Q	|	|	|	|
13+10	0.0000	1.80	Q	|	|	|	|	18+20	0.0000	1.79	Q	|	|	|	|
13+15	0.0000	1.80	Q	|	|	|	|	18+25	0.0000	1.79	Q	|	|	|	|
13+20	0.0000	1.80	Q	|	|	|	|	18+30	0.0000	1.79	Q	|	|	|	|
13+25	0.0000	1.80	Q	|	|	|	|	18+35	0.0000	1.79	Q	|	|	|	|
13+30	0.0000	1.80	Q	|	|	|	|	18+40	0.0000	1.79	Q	|	|	|	|
13+35	0.0000	1.80	Q	|	|	|	|	18+45	0.0000	1.79	Q	|	|	|	|
13+40	0.0000	1.80	Q	|	|	|	|	18+50	0.0000	1.79	Q	|	|	|	|
13+45	0.0000	1.80	Q	|	|	|	|	18+55	0.0000	1.79	Q	|	|	|	|
13+50	0.0000	1.80	Q	|	|	|	|	19+ 0	0.0000	1.79	Q	|	|	|	|
13+55	0.0000	1.80	Q	|	|	|	|	19+ 5	0.0000	1.79	Q	|	|	|	|
14+ 0	0.0000	1.80	Q	|	|	|	|	19+10	0.0000	1.79	Q	|	|	|	|
14+ 5	0.0000	1.80	Q	|	|	|	|	19+15	0.0000	1.79	Q	|	|	|	|
14+10	0.0000	1.80	Q	|	|	|	|	19+20	0.0000	1.79	Q	|	|	|	|
14+15	0.0000	1.80	Q	|	|	|	|	19+25	0.0000	1.79	Q	|	|	|	|
14+20	0.0000	1.80	Q	|	|	|	|	19+30	0.0000	1.79	Q	|	|	|	|
14+25	0.0000	1.80	Q	|	|	|	|	19+35	0.0000	1.78	Q	|	|	|	|
14+30	0.0000	1.80	Q	|	|	|	|	19+40	0.0000	1.78	Q	|	|	|	|
14+35	0.0000	1.80	Q	|	|	|	|	19+45	0.0000	1.78	Q	|	|	|	|
14+40	0.0000	1.80	Q	|	|	|	|	19+50	0.0000	1.78	Q	|	|	|	|
14+45	0.0000	1.80	Q	|	|	|	|	19+55	0.0000	1.78	Q	|	|	|	|
14+50	0.0000	1.80	Q	|	|	|	|	20+ 0	0.0000	1.78	Q	|	|	|	|
14+55	0.0000	1.80	Q	|	|	|	|	20+ 5	0.0000	1.78	Q	|	|	|	|
15+ 0	0.0000	1.80	Q	|	|	|	|	20+10	0.0000	1.78	Q	|	|	|	|
15+ 5	0.0000	1.80	Q	|	|	|	|	20+15	0.0000	1.78	Q	|	|	|	|
15+10	0.0000	1.80	Q	|	|	|	|	20+20	0.0000	1.78	Q	|	|	|	|
15+15	0.0000	1.80	Q	|	|	|	|	20+25	0.0000	1.78	Q	|	|	|	|
15+20	0.0000	1.80	Q	|	|	|	|	20+30	0.0000	1.78	Q	|	|	|	|
15+25	0.0000	1.80	Q	|	|	|	|	20+35	0.0000	1.78	Q	|	|	|	|
15+30	0.0000	1.80	Q	|	|	|	|	20+40	0.0000	1.78	Q	|	|	|	|
15+35	0.0000	1.80	Q	|	|	|	|	20+45	0.0000	1.78	Q	|	|	|	|
15+40	0.0000	1.80	Q	|	|	|	|	20+50	0.0000	1.78	Q	|	|	|	|
15+45	0.0000	1.80	Q	|	|	|	|	20+55	0.0000	1.78	Q	|	|	|	|
15+50	0.0000	1.80	Q	|	|	|	|	21+ 0	0.0000	1.78	Q	|	|	|	|
15+55	0.0000	1.80	Q	|	|	|	|	21+ 5	0.0000	1.78	Q	|	|	|	|
16+ 0	0.0000	1.80	Q	|	|	|	|	21+10	0.0000	1.78	Q	|	|	|	|
16+ 5	0.0000	1.80	Q	|	|	|	|	21+15	0.0000	1.78	Q	|	|	|	|
16+10	0.0000	1.80	Q	|	|	|	|	21+20	0.0000	1.78	Q	|	|	|	|
16+15	0.0000	1.80	Q	|	|	|	|	21+25	0.0000	1.78	Q	|	|	|	|
16+20	0.0000	1.79	Q	|	|	|	|	21+30	0.0000	1.78	Q	|	|	|	|
16+25	0.0000	1.79	Q	|	|	|	|	21+35	0.0000	1.78	Q	|	|	|	|
16+30	0.0000	1.79	Q	|	|	|	|	21+40	0.0000	1.78	Q	|	|	|	|
16+35	0.0000	1.79	Q	|	|	|	|	21+45	0.0000	1.78	Q	|	|	|	|
16+40	0.0000	1.79	Q	|	|	|	|	21+50	0.0000	1.78	Q	|	|	|	|
16+45	0.0000	1.79	Q	|	|	|	|	21+55	0.0000	1.78	Q	|	|	|	|
16+50	0.0000	1.79	Q	|	|	|	|	22+ 0	0.0000	1.78	Q	|	|	|	|

22+ 5	0.0000	1.78	Q					27+15	0.0000	1.76	Q				
22+10	0.0000	1.78	Q					27+20	0.0000	1.76	Q				
22+15	0.0000	1.78	Q					27+25	0.0000	1.76	Q				
22+20	0.0000	1.78	Q					27+30	0.0000	1.76	Q				
22+25	0.0000	1.78	Q					27+35	0.0000	1.76	Q				
22+30	0.0000	1.78	Q					27+40	0.0000	1.76	Q				
22+35	0.0000	1.78	Q					27+45	0.0000	1.76	Q				
22+40	0.0000	1.78	Q					27+50	0.0000	1.76	Q				
22+45	0.0000	1.78	Q					27+55	0.0000	1.76	Q				
22+50	0.0000	1.77	Q					28+ 0	0.0000	1.76	Q				
22+55	0.0000	1.77	Q					28+ 5	0.0000	1.76	Q				
23+ 0	0.0000	1.77	Q					28+10	0.0000	1.76	Q				
23+ 5	0.0000	1.77	Q					28+15	0.0000	1.76	Q				
23+10	0.0000	1.77	Q					28+20	0.0000	1.76	Q				
23+15	0.0000	1.77	Q					28+25	0.0000	1.76	Q				
23+20	0.0000	1.77	Q					28+30	0.0000	1.76	Q				
23+25	0.0000	1.77	Q					28+35	0.0000	1.76	Q				
23+30	0.0000	1.77	Q					28+40	0.0000	1.76	Q				
23+35	0.0000	1.77	Q					28+45	0.0000	1.76	Q				
23+40	0.0000	1.77	Q					28+50	0.0000	1.76	Q				
23+45	0.0000	1.77	Q					28+55	0.0000	1.76	Q				
23+50	0.0000	1.77	Q					29+ 0	0.0000	1.76	Q				
23+55	0.0000	1.77	Q					29+ 5	0.0000	1.76	Q				
24+ 0	0.0000	1.77	Q					29+10	0.0000	1.76	Q				
24+ 5	0.0000	1.77	Q					29+15	0.0000	1.75	Q				
24+10	0.0000	1.77	Q					29+20	0.0000	1.75	Q				
24+15	0.0000	1.77	Q					29+25	0.0000	1.75	Q				
24+20	0.0000	1.77	Q					29+30	0.0000	1.75	Q				
24+25	0.0000	1.77	Q					29+35	0.0000	1.75	Q				
24+30	0.0000	1.77	Q					29+40	0.0000	1.75	Q				
24+35	0.0000	1.77	Q					29+45	0.0000	1.75	Q				
24+40	0.0000	1.77	Q					29+50	0.0000	1.75	Q				
24+45	0.0000	1.77	Q					29+55	0.0000	1.75	Q				
24+50	0.0000	1.77	Q					30+ 0	0.0000	1.75	Q				
24+55	0.0000	1.77	Q					30+ 5	0.0000	1.75	Q				
25+ 0	0.0000	1.77	Q					30+10	0.0000	1.75	Q				
25+ 5	0.0000	1.77	Q					30+15	0.0000	1.75	Q				
25+10	0.0000	1.77	Q					30+20	0.0000	1.75	Q				
25+15	0.0000	1.77	Q					30+25	0.0000	1.75	Q				
25+20	0.0000	1.77	Q					30+30	0.0000	1.75	Q				
25+25	0.0000	1.77	Q					30+35	0.0000	1.75	Q				
25+30	0.0000	1.77	Q					30+40	0.0000	1.75	Q				
25+35	0.0000	1.77	Q					30+45	0.0000	1.75	Q				
25+40	0.0000	1.77	Q					30+50	0.0000	1.75	Q				
25+45	0.0000	1.77	Q					30+55	0.0000	1.75	Q				
25+50	0.0000	1.77	Q					31+ 0	0.0000	1.75	Q				
25+55	0.0000	1.77	Q					31+ 5	0.0000	1.75	Q				
26+ 0	0.0000	1.77	Q					31+10	0.0000	1.75	Q				
26+ 5	0.0000	1.76	Q					31+15	0.0000	1.75	Q				
26+10	0.0000	1.76	Q					31+20	0.0000	1.75	Q				
26+15	0.0000	1.76	Q					31+25	0.0000	1.75	Q				
26+20	0.0000	1.76	Q					31+30	0.0000	1.75	Q				
26+25	0.0000	1.76	Q					31+35	0.0000	1.75	Q				
26+30	0.0000	1.76	Q					31+40	0.0000	1.75	Q				
26+35	0.0000	1.76	Q					31+45	0.0000	1.75	Q				
26+40	0.0000	1.76	Q					31+50	0.0000	1.75	Q				
26+45	0.0000	1.76	Q					31+55	0.0000	1.75	Q				
26+50	0.0000	1.76	Q					32+ 0	0.0000	1.75	Q				
26+55	0.0000	1.76	Q					32+ 5	0.0000	1.75	Q				
27+ 0	0.0000	1.76	Q					32+10	0.0000	1.75	Q				
27+ 5	0.0000	1.76	Q					32+15	0.0000	1.75	Q				
27+10	0.0000	1.76	Q					32+20	0.0000	1.75	Q				

32+25	0.0000	1.74	Q					37+35	0.0000	1.73	Q				
32+30	0.0000	1.74	Q					37+40	0.0000	1.73	Q				
32+35	0.0000	1.74	Q					37+45	0.0000	1.73	Q				
32+40	0.0000	1.74	Q					37+50	0.0000	1.73	Q				
32+45	0.0000	1.74	Q					37+55	0.0000	1.73	Q				
32+50	0.0000	1.74	Q					38+ 0	0.0000	1.73	Q				
32+55	0.0000	1.74	Q					38+ 5	0.0000	1.73	Q				
33+ 0	0.0000	1.74	Q					38+10	0.0000	1.73	Q				
33+ 5	0.0000	1.74	Q					38+15	0.0000	1.73	Q				
33+10	0.0000	1.74	Q					38+20	0.0000	1.73	Q				
33+15	0.0000	1.74	Q					38+25	0.0000	1.73	Q				
33+20	0.0000	1.74	Q					38+30	0.0000	1.73	Q				
33+25	0.0000	1.74	Q					38+35	0.0000	1.73	Q				
33+30	0.0000	1.74	Q					38+40	0.0000	1.72	Q				
33+35	0.0000	1.74	Q					38+45	0.0000	1.72	Q				
33+40	0.0000	1.74	Q					38+50	0.0000	1.72	Q				
33+45	0.0000	1.74	Q					38+55	0.0000	1.72	Q				
33+50	0.0000	1.74	Q					39+ 0	0.0000	1.72	Q				
33+55	0.0000	1.74	Q					39+ 5	0.0000	1.72	Q				
34+ 0	0.0000	1.74	Q					39+10	0.0000	1.72	Q				
34+ 5	0.0000	1.74	Q					39+15	0.0000	1.72	Q				
34+10	0.0000	1.74	Q					39+20	0.0000	1.72	Q				
34+15	0.0000	1.74	Q					39+25	0.0000	1.72	Q				
34+20	0.0000	1.74	Q					39+30	0.0000	1.72	Q				
34+25	0.0000	1.74	Q					39+35	0.0000	1.72	Q				
34+30	0.0000	1.74	Q					39+40	0.0000	1.72	Q				
34+35	0.0000	1.74	Q					39+45	0.0000	1.72	Q				
34+40	0.0000	1.74	Q					39+50	0.0000	1.72	Q				
34+45	0.0000	1.74	Q					39+55	0.0000	1.72	Q				
34+50	0.0000	1.74	Q					40+ 0	0.0000	1.72	Q				
34+55	0.0000	1.74	Q					40+ 5	0.0000	1.72	Q				
35+ 0	0.0000	1.74	Q					40+10	0.0000	1.72	Q				
35+ 5	0.0000	1.74	Q					40+15	0.0000	1.72	Q				
35+10	0.0000	1.74	Q					40+20	0.0000	1.72	Q				
35+15	0.0000	1.74	Q					40+25	0.0000	1.72	Q				
35+20	0.0000	1.74	Q					40+30	0.0000	1.72	Q				
35+25	0.0000	1.74	Q					40+35	0.0000	1.72	Q				
35+30	0.0000	1.73	Q					40+40	0.0000	1.72	Q				
35+35	0.0000	1.73	Q					40+45	0.0000	1.72	Q				
35+40	0.0000	1.73	Q					40+50	0.0000	1.72	Q				
35+45	0.0000	1.73	Q					40+55	0.0000	1.72	Q				
35+50	0.0000	1.73	Q					41+ 0	0.0000	1.72	Q				
35+55	0.0000	1.73	Q					41+ 5	0.0000	1.72	Q				
36+ 0	0.0000	1.73	Q					41+10	0.0000	1.72	Q				
36+ 5	0.0000	1.73	Q					41+15	0.0000	1.72	Q				
36+10	0.0000	1.73	Q					41+20	0.0000	1.72	Q				
36+15	0.0000	1.73	Q					41+25	0.0000	1.72	Q				
36+20	0.0000	1.73	Q					41+30	0.0000	1.72	Q				
36+25	0.0000	1.73	Q					41+35	0.0000	1.72	Q				
36+30	0.0000	1.73	Q					41+40	0.0000	1.72	Q				
36+35	0.0000	1.73	Q					41+45	0.0000	1.72	Q				
36+40	0.0000	1.73	Q					41+50	0.0000	1.71	Q				
36+45	0.0000	1.73	Q					41+55	0.0000	1.71	Q				
36+50	0.0000	1.73	Q					42+ 0	0.0000	1.71	Q				
36+55	0.0000	1.73	Q					42+ 5	0.0000	1.71	Q				
37+ 0	0.0000	1.73	Q					42+10	0.0000	1.71	Q				
37+ 5	0.0000	1.73	Q					42+15	0.0000	1.71	Q				
37+10	0.0000	1.73	Q					42+20	0.0000	1.71	Q				
37+15	0.0000	1.73	Q					42+25	0.0000	1.71	Q				
37+20	0.0000	1.73	Q					42+30	0.0000	1.71	Q				
37+25	0.0000	1.73	Q					42+35	0.0000	1.71	Q				
37+30	0.0000	1.73	Q					42+40	0.0000	1.71	Q				

42+45	0.0000	1.71	Q					47+55	0.0000	1.70	Q				
42+50	0.0000	1.71	Q					48+ 0	0.0000	1.69	Q				
42+55	0.0000	1.71	Q					48+ 5	0.0000	1.69	Q				
43+ 0	0.0000	1.71	Q					48+10	0.0000	1.69	Q				
43+ 5	0.0000	1.71	Q					48+15	0.0000	1.69	Q				
43+10	0.0000	1.71	Q					48+20	0.0000	1.69	Q				
43+15	0.0000	1.71	Q					48+25	0.0000	1.69	Q				
43+20	0.0000	1.71	Q					48+30	0.0000	1.69	Q				
43+25	0.0000	1.71	Q					48+35	0.0000	1.69	Q				
43+30	0.0000	1.71	Q					48+40	0.0000	1.69	Q				
43+35	0.0000	1.71	Q					48+45	0.0000	1.69	Q				
43+40	0.0000	1.71	Q					48+50	0.0000	1.69	Q				
43+45	0.0000	1.71	Q					48+55	0.0000	1.69	Q				
43+50	0.0000	1.71	Q					49+ 0	0.0000	1.69	Q				
43+55	0.0000	1.71	Q					49+ 5	0.0000	1.69	Q				
44+ 0	0.0000	1.71	Q					49+10	0.0000	1.69	Q				
44+ 5	0.0000	1.71	Q					49+15	0.0000	1.69	Q				
44+10	0.0000	1.71	Q					49+20	0.0000	1.69	Q				
44+15	0.0000	1.71	Q					49+25	0.0000	1.69	Q				
44+20	0.0000	1.71	Q					49+30	0.0000	1.69	Q				
44+25	0.0000	1.71	Q					49+35	0.0000	1.69	Q				
44+30	0.0000	1.71	Q					49+40	0.0000	1.69	Q				
44+35	0.0000	1.71	Q					49+45	0.0000	1.69	Q				
44+40	0.0000	1.71	Q					49+50	0.0000	1.69	Q				
44+45	0.0000	1.71	Q					49+55	0.0000	1.69	Q				
44+50	0.0000	1.71	Q					50+ 0	0.0000	1.69	Q				
44+55	0.0000	1.71	Q					50+ 5	0.0000	1.69	Q				
45+ 0	0.0000	1.71	Q					50+10	0.0000	1.69	Q				
45+ 5	0.0000	1.70	Q					50+15	0.0000	1.69	Q				
45+10	0.0000	1.70	Q					50+20	0.0000	1.69	Q				
45+15	0.0000	1.70	Q					50+25	0.0000	1.69	Q				
45+20	0.0000	1.70	Q					50+30	0.0000	1.69	Q				
45+25	0.0000	1.70	Q					50+35	0.0000	1.69	Q				
45+30	0.0000	1.70	Q					50+40	0.0000	1.69	Q				
45+35	0.0000	1.70	Q					50+45	0.0000	1.68	Q				
45+40	0.0000	1.70	Q					50+50	0.0000	1.68	Q				
45+45	0.0000	1.70	Q					50+55	0.0000	1.68	Q				
45+50	0.0000	1.70	Q					51+ 0	0.0000	1.68	Q				
45+55	0.0000	1.70	Q					51+ 5	0.0000	1.68	Q				
46+ 0	0.0000	1.70	Q					51+10	0.0000	1.68	Q				
46+ 5	0.0000	1.70	Q					51+15	0.0000	1.68	Q				
46+10	0.0000	1.70	Q					51+20	0.0000	1.68	Q				
46+15	0.0000	1.70	Q					51+25	0.0000	1.68	Q				
46+20	0.0000	1.70	Q					51+30	0.0000	1.68	Q				
46+25	0.0000	1.70	Q					51+35	0.0000	1.68	Q				
46+30	0.0000	1.70	Q					51+40	0.0000	1.68	Q				
46+35	0.0000	1.70	Q					51+45	0.0000	1.68	Q				
46+40	0.0000	1.70	Q					51+50	0.0000	1.68	Q				
46+45	0.0000	1.70	Q					51+55	0.0000	1.68	Q				
46+50	0.0000	1.70	Q					52+ 0	0.0000	1.68	Q				
46+55	0.0000	1.70	Q					52+ 5	0.0000	1.68	Q				
47+ 0	0.0000	1.70	Q					52+10	0.0000	1.68	Q				
47+ 5	0.0000	1.70	Q					52+15	0.0000	1.68	Q				
47+10	0.0000	1.70	Q					52+20	0.0000	1.68	Q				
47+15	0.0000	1.70	Q					52+25	0.0000	1.68	Q				
47+20	0.0000	1.70	Q					52+30	0.0000	1.68	Q				
47+25	0.0000	1.70	Q					52+35	0.0000	1.68	Q				
47+30	0.0000	1.70	Q					52+40	0.0000	1.68	Q				
47+35	0.0000	1.70	Q					52+45	0.0000	1.68	Q				
47+40	0.0000	1.70	Q					52+50	0.0000	1.68	Q				
47+45	0.0000	1.70	Q					52+55	0.0000	1.68	Q				
47+50	0.0000	1.70	Q					53+ 0	0.0000	1.68	Q				

53+ 5	0.0000	1.68	Q					58+15	0.0000	1.66	Q				
53+10	0.0000	1.68	Q					58+20	0.0000	1.66	Q				
53+15	0.0000	1.68	Q					58+25	0.0000	1.66	Q				
53+20	0.0000	1.68	Q					58+30	0.0000	1.66	Q				
53+25	0.0000	1.68	Q					58+35	0.0000	1.66	Q				
53+30	0.0000	1.67	Q					58+40	0.0000	1.66	Q				
53+35	0.0000	1.67	Q					58+45	0.0000	1.66	Q				
53+40	0.0000	1.67	Q					58+50	0.0000	1.66	Q				
53+45	0.0000	1.67	Q					58+55	0.0000	1.66	Q				
53+50	0.0000	1.67	Q					59+ 0	0.0000	1.65	Q				
53+55	0.0000	1.67	Q					59+ 5	0.0000	1.65	Q				
54+ 0	0.0000	1.67	Q					59+10	0.0000	1.65	Q				
54+ 5	0.0000	1.67	Q					59+15	0.0000	1.65	Q				
54+10	0.0000	1.67	Q					59+20	0.0000	1.65	Q				
54+15	0.0000	1.67	Q					59+25	0.0000	1.65	Q				
54+20	0.0000	1.67	Q					59+30	0.0000	1.65	Q				
54+25	0.0000	1.67	Q					59+35	0.0000	1.65	Q				
54+30	0.0000	1.67	Q					59+40	0.0000	1.65	Q				
54+35	0.0000	1.67	Q					59+45	0.0000	1.65	Q				
54+40	0.0000	1.67	Q					59+50	0.0000	1.65	Q				
54+45	0.0000	1.67	Q					59+55	0.0000	1.65	Q				
54+50	0.0000	1.67	Q					60+ 0	0.0000	1.65	Q				
54+55	0.0000	1.67	Q					60+ 5	0.0000	1.65	Q				
55+ 0	0.0000	1.67	Q					60+10	0.0000	1.65	Q				
55+ 5	0.0000	1.67	Q					60+15	0.0000	1.65	Q				
55+10	0.0000	1.67	Q					60+20	0.0000	1.65	Q				
55+15	0.0000	1.67	Q					60+25	0.0000	1.65	Q				
55+20	0.0000	1.67	Q					60+30	0.0000	1.65	Q				
55+25	0.0000	1.67	Q					60+35	0.0000	1.65	Q				
55+30	0.0000	1.67	Q					60+40	0.0000	1.65	Q				
55+35	0.0000	1.67	Q					60+45	0.0000	1.65	Q				
55+40	0.0000	1.67	Q					60+50	0.0000	1.65	Q				
55+45	0.0000	1.67	Q					60+55	0.0000	1.65	Q				
55+50	0.0000	1.67	Q					61+ 0	0.0000	1.65	Q				
55+55	0.0000	1.67	Q					61+ 5	0.0000	1.65	Q				
56+ 0	0.0000	1.67	Q					61+10	0.0000	1.65	Q				
56+ 5	0.0000	1.67	Q					61+15	0.0000	1.65	Q				
56+10	0.0000	1.67	Q					61+20	0.0000	1.65	Q				
56+15	0.0000	1.66	Q					61+25	0.0000	1.65	Q				
56+20	0.0000	1.66	Q					61+30	0.0000	1.65	Q				
56+25	0.0000	1.66	Q					61+35	0.0000	1.65	Q				
56+30	0.0000	1.66	Q					61+40	0.0000	1.65	Q				
56+35	0.0000	1.66	Q					61+45	0.0000	1.64	Q				
56+40	0.0000	1.66	Q					61+50	0.0000	1.64	Q				
56+45	0.0000	1.66	Q					61+55	0.0000	1.64	Q				
56+50	0.0000	1.66	Q					62+ 0	0.0000	1.64	Q				
56+55	0.0000	1.66	Q					62+ 5	0.0000	1.64	Q				
57+ 0	0.0000	1.66	Q					62+10	0.0000	1.64	Q				
57+ 5	0.0000	1.66	Q					62+15	0.0000	1.64	Q				
57+10	0.0000	1.66	Q					62+20	0.0000	1.64	Q				
57+15	0.0000	1.66	Q					62+25	0.0000	1.64	Q				
57+20	0.0000	1.66	Q					62+30	0.0000	1.64	Q				
57+25	0.0000	1.66	Q					62+35	0.0000	1.64	Q				
57+30	0.0000	1.66	Q					62+40	0.0000	1.64	Q				
57+35	0.0000	1.66	Q					62+45	0.0000	1.64	Q				
57+40	0.0000	1.66	Q					62+50	0.0000	1.64	Q				
57+45	0.0000	1.66	Q					62+55	0.0000	1.64	Q				
57+50	0.0000	1.66	Q					63+ 0	0.0000	1.64	Q				
57+55	0.0000	1.66	Q					63+ 5	0.0000	1.64	Q				
58+ 0	0.0000	1.66	Q					63+10	0.0000	1.64	Q				
58+ 5	0.0000	1.66	Q					63+15	0.0000	1.64	Q				
58+10	0.0000	1.66	Q					63+20	0.0000	1.64	Q				

63+25	0.0000	1.64	Q					68+35	0.0000	1.62	Q				
63+30	0.0000	1.64	Q					68+40	0.0000	1.62	Q				
63+35	0.0000	1.64	Q					68+45	0.0000	1.62	Q				
63+40	0.0000	1.64	Q					68+50	0.0000	1.62	Q				
63+45	0.0000	1.64	Q					68+55	0.0000	1.62	Q				
63+50	0.0000	1.64	Q					69+ 0	0.0000	1.62	Q				
63+55	0.0000	1.64	Q					69+ 5	0.0000	1.62	Q				
64+ 0	0.0000	1.64	Q					69+10	0.0000	1.62	Q				
64+ 5	0.0000	1.64	Q					69+15	0.0000	1.62	Q				
64+10	0.0000	1.64	Q					69+20	0.0000	1.62	Q				
64+15	0.0000	1.64	Q					69+25	0.0000	1.62	Q				
64+20	0.0000	1.64	Q					69+30	0.0000	1.62	Q				
64+25	0.0000	1.64	Q					69+35	0.0000	1.62	Q				
64+30	0.0000	1.64	Q					69+40	0.0000	1.62	Q				
64+35	0.0000	1.63	Q					69+45	0.0000	1.62	Q				
64+40	0.0000	1.63	Q					69+50	0.0000	1.62	Q				
64+45	0.0000	1.63	Q					69+55	0.0000	1.62	Q				
64+50	0.0000	1.63	Q					70+ 0	0.0000	1.62	Q				
64+55	0.0000	1.63	Q					70+ 5	0.0000	1.61	Q				
65+ 0	0.0000	1.63	Q					70+10	0.0000	1.61	Q				
65+ 5	0.0000	1.63	Q					70+15	0.0000	1.61	Q				
65+10	0.0000	1.63	Q					70+20	0.0000	1.61	Q				
65+15	0.0000	1.63	Q					70+25	0.0000	1.61	Q				
65+20	0.0000	1.63	Q					70+30	0.0000	1.61	Q				
65+25	0.0000	1.63	Q					70+35	0.0000	1.61	Q				
65+30	0.0000	1.63	Q					70+40	0.0000	1.61	Q				
65+35	0.0000	1.63	Q					70+45	0.0000	1.61	Q				
65+40	0.0000	1.63	Q					70+50	0.0000	1.61	Q				
65+45	0.0000	1.63	Q					70+55	0.0000	1.61	Q				
65+50	0.0000	1.63	Q					71+ 0	0.0000	1.61	Q				
65+55	0.0000	1.63	Q					71+ 5	0.0000	1.61	Q				
66+ 0	0.0000	1.63	Q					71+10	0.0000	1.61	Q				
66+ 5	0.0000	1.63	Q					71+15	0.0000	1.61	Q				
66+10	0.0000	1.63	Q					71+20	0.0000	1.61	Q				
66+15	0.0000	1.63	Q					71+25	0.0000	1.61	Q				
66+20	0.0000	1.63	Q					71+30	0.0000	1.61	Q				
66+25	0.0000	1.63	Q					71+35	0.0000	1.61	Q				
66+30	0.0000	1.63	Q					71+40	0.0000	1.61	Q				
66+35	0.0000	1.63	Q					71+45	0.0000	1.61	Q				
66+40	0.0000	1.63	Q					71+50	0.0000	1.61	Q				
66+45	0.0000	1.63	Q					71+55	0.0000	1.61	Q				
66+50	0.0000	1.63	Q					72+ 0	0.0000	1.61	Q				
66+55	0.0000	1.63	Q					72+ 5	0.0000	1.61	Q				
67+ 0	0.0000	1.63	Q					72+10	0.0000	1.61	Q				
67+ 5	0.0000	1.63	Q					72+15	0.0000	1.61	Q				
67+10	0.0000	1.63	Q					72+20	0.0000	1.61	Q				
67+15	0.0000	1.63	Q					72+25	0.0000	1.61	Q				
67+20	0.0000	1.62	Q					72+30	0.0000	1.61	Q				
67+25	0.0000	1.62	Q					72+35	0.0000	1.61	Q				
67+30	0.0000	1.62	Q					72+40	0.0000	1.61	Q				
67+35	0.0000	1.62	Q					72+45	0.0000	1.61	Q				
67+40	0.0000	1.62	Q					72+50	0.0000	1.60	Q				
67+45	0.0000	1.62	Q					72+55	0.0000	1.60	Q				
67+50	0.0000	1.62	Q					73+ 0	0.0000	1.60	Q				
67+55	0.0000	1.62	Q					73+ 5	0.0000	1.60	Q				
68+ 0	0.0000	1.62	Q					73+10	0.0000	1.60	Q				
68+ 5	0.0000	1.62	Q					73+15	0.0000	1.60	Q				
68+10	0.0000	1.62	Q					73+20	0.0000	1.60	Q				
68+15	0.0000	1.62	Q					73+25	0.0000	1.60	Q				
68+20	0.0000	1.62	Q					73+30	0.0000	1.60	Q				
68+25	0.0000	1.62	Q					73+35	0.0000	1.60	Q				
68+30	0.0000	1.62	Q					73+40	0.0000	1.60	Q				

73+45	0.0000	1.60	Q					78+55	0.0000	1.58	Q				
73+50	0.0000	1.60	Q					79+ 0	0.0000	1.58	Q				
73+55	0.0000	1.60	Q					79+ 5	0.0000	1.58	Q				
74+ 0	0.0000	1.60	Q					79+10	0.0000	1.58	Q				
74+ 5	0.0000	1.60	Q					79+15	0.0000	1.58	Q				
74+10	0.0000	1.60	Q					79+20	0.0000	1.58	Q				
74+15	0.0000	1.60	Q					79+25	0.0000	1.58	Q				
74+20	0.0000	1.60	Q					79+30	0.0000	1.58	Q				
74+25	0.0000	1.60	Q					79+35	0.0000	1.58	Q				
74+30	0.0000	1.60	Q					79+40	0.0000	1.58	Q				
74+35	0.0000	1.60	Q					79+45	0.0000	1.58	Q				
74+40	0.0000	1.60	Q					79+50	0.0000	1.58	Q				
74+45	0.0000	1.60	Q					79+55	0.0000	1.58	Q				
74+50	0.0000	1.60	Q					80+ 0	0.0000	1.58	Q				
74+55	0.0000	1.60	Q					80+ 5	0.0000	1.58	Q				
75+ 0	0.0000	1.60	Q					80+10	0.0000	1.58	Q				
75+ 5	0.0000	1.60	Q					80+15	0.0000	1.58	Q				
75+10	0.0000	1.60	Q					80+20	0.0000	1.58	Q				
75+15	0.0000	1.60	Q					80+25	0.0000	1.58	Q				
75+20	0.0000	1.60	Q					80+30	0.0000	1.58	Q				
75+25	0.0000	1.60	Q					80+35	0.0000	1.58	Q				
75+30	0.0000	1.60	Q					80+40	0.0000	1.58	Q				
75+35	0.0000	1.59	Q					80+45	0.0000	1.58	Q				
75+40	0.0000	1.59	Q					80+50	0.0000	1.58	Q				
75+45	0.0000	1.59	Q					80+55	0.0000	1.58	Q				
75+50	0.0000	1.59	Q					81+ 0	0.0000	1.58	Q				
75+55	0.0000	1.59	Q					81+ 5	0.0000	1.58	Q				
76+ 0	0.0000	1.59	Q					81+10	0.0000	1.57	Q				
76+ 5	0.0000	1.59	Q					81+15	0.0000	1.57	Q				
76+10	0.0000	1.59	Q					81+20	0.0000	1.57	Q				
76+15	0.0000	1.59	Q					81+25	0.0000	1.57	Q				
76+20	0.0000	1.59	Q					81+30	0.0000	1.57	Q				
76+25	0.0000	1.59	Q					81+35	0.0000	1.57	Q				
76+30	0.0000	1.59	Q					81+40	0.0000	1.57	Q				
76+35	0.0000	1.59	Q					81+45	0.0000	1.57	Q				
76+40	0.0000	1.59	Q					81+50	0.0000	1.57	Q				
76+45	0.0000	1.59	Q					81+55	0.0000	1.57	Q				
76+50	0.0000	1.59	Q					82+ 0	0.0000	1.57	Q				
76+55	0.0000	1.59	Q					82+ 5	0.0000	1.57	Q				
77+ 0	0.0000	1.59	Q					82+10	0.0000	1.57	Q				
77+ 5	0.0000	1.59	Q					82+15	0.0000	1.57	Q				
77+10	0.0000	1.59	Q					82+20	0.0000	1.57	Q				
77+15	0.0000	1.59	Q					82+25	0.0000	1.57	Q				
77+20	0.0000	1.59	Q					82+30	0.0000	1.57	Q				
77+25	0.0000	1.59	Q					82+35	0.0000	1.57	Q				
77+30	0.0000	1.59	Q					82+40	0.0000	1.57	Q				
77+35	0.0000	1.59	Q					82+45	0.0000	1.57	Q				
77+40	0.0000	1.59	Q					82+50	0.0000	1.57	Q				
77+45	0.0000	1.59	Q					82+55	0.0000	1.57	Q				
77+50	0.0000	1.59	Q					83+ 0	0.0000	1.57	Q				
77+55	0.0000	1.59	Q					83+ 5	0.0000	1.57	Q				
78+ 0	0.0000	1.59	Q					83+10	0.0000	1.57	Q				
78+ 5	0.0000	1.59	Q					83+15	0.0000	1.57	Q				
78+10	0.0000	1.59	Q					83+20	0.0000	1.57	Q				
78+15	0.0000	1.59	Q					83+25	0.0000	1.57	Q				
78+20	0.0000	1.59	Q					83+30	0.0000	1.57	Q				
78+25	0.0000	1.58	Q					83+35	0.0000	1.57	Q				
78+30	0.0000	1.58	Q					83+40	0.0000	1.57	Q				
78+35	0.0000	1.58	Q					83+45	0.0000	1.57	Q				
78+40	0.0000	1.58	Q					83+50	0.0000	1.57	Q				
78+45	0.0000	1.58	Q					83+55	0.0000	1.57	Q				
78+50	0.0000	1.58	Q					84+ 0	0.0000	1.56	Q				

84+ 5	0.0000	1.56	Q					89+15	0.0000	1.55	Q				
84+10	0.0000	1.56	Q					89+20	0.0000	1.55	Q				
84+15	0.0000	1.56	Q					89+25	0.0000	1.55	Q				
84+20	0.0000	1.56	Q					89+30	0.0000	1.54	Q				
84+25	0.0000	1.56	Q					89+35	0.0000	1.54	Q				
84+30	0.0000	1.56	Q					89+40	0.0000	1.54	Q				
84+35	0.0000	1.56	Q					89+45	0.0000	1.54	Q				
84+40	0.0000	1.56	Q					89+50	0.0000	1.54	Q				
84+45	0.0000	1.56	Q					89+55	0.0000	1.54	Q				
84+50	0.0000	1.56	Q					90+ 0	0.0000	1.54	Q				
84+55	0.0000	1.56	Q					90+ 5	0.0000	1.54	Q				
85+ 0	0.0000	1.56	Q					90+10	0.0000	1.54	Q				
85+ 5	0.0000	1.56	Q					90+15	0.0000	1.54	Q				
85+10	0.0000	1.56	Q					90+20	0.0000	1.54	Q				
85+15	0.0000	1.56	Q					90+25	0.0000	1.54	Q				
85+20	0.0000	1.56	Q					90+30	0.0000	1.54	Q				
85+25	0.0000	1.56	Q					90+35	0.0000	1.54	Q				
85+30	0.0000	1.56	Q					90+40	0.0000	1.54	Q				
85+35	0.0000	1.56	Q					90+45	0.0000	1.54	Q				
85+40	0.0000	1.56	Q					90+50	0.0000	1.54	Q				
85+45	0.0000	1.56	Q					90+55	0.0000	1.54	Q				
85+50	0.0000	1.56	Q					91+ 0	0.0000	1.54	Q				
85+55	0.0000	1.56	Q					91+ 5	0.0000	1.54	Q				
86+ 0	0.0000	1.56	Q					91+10	0.0000	1.54	Q				
86+ 5	0.0000	1.56	Q					91+15	0.0000	1.54	Q				
86+10	0.0000	1.56	Q					91+20	0.0000	1.54	Q				
86+15	0.0000	1.56	Q					91+25	0.0000	1.54	Q				
86+20	0.0000	1.56	Q					91+30	0.0000	1.54	Q				
86+25	0.0000	1.56	Q					91+35	0.0000	1.54	Q				
86+30	0.0000	1.56	Q					91+40	0.0000	1.54	Q				
86+35	0.0000	1.56	Q					91+45	0.0000	1.54	Q				
86+40	0.0000	1.56	Q					91+50	0.0000	1.54	Q				
86+45	0.0000	1.55	Q					91+55	0.0000	1.54	Q				
86+50	0.0000	1.55	Q					92+ 0	0.0000	1.54	Q				
86+55	0.0000	1.55	Q					92+ 5	0.0000	1.54	Q				
87+ 0	0.0000	1.55	Q					92+10	0.0000	1.54	Q				
87+ 5	0.0000	1.55	Q					92+15	0.0000	1.53	Q				
87+10	0.0000	1.55	Q					92+20	0.0000	1.53	Q				
87+15	0.0000	1.55	Q					92+25	0.0000	1.53	Q				
87+20	0.0000	1.55	Q					92+30	0.0000	1.53	Q				
87+25	0.0000	1.55	Q					92+35	0.0000	1.53	Q				
87+30	0.0000	1.55	Q					92+40	0.0000	1.53	Q				
87+35	0.0000	1.55	Q					92+45	0.0000	1.53	Q				
87+40	0.0000	1.55	Q					92+50	0.0000	1.53	Q				
87+45	0.0000	1.55	Q					92+55	0.0000	1.53	Q				
87+50	0.0000	1.55	Q					93+ 0	0.0000	1.53	Q				
87+55	0.0000	1.55	Q					93+ 5	0.0000	1.53	Q				
88+ 0	0.0000	1.55	Q					93+10	0.0000	1.53	Q				
88+ 5	0.0000	1.55	Q					93+15	0.0000	1.53	Q				
88+10	0.0000	1.55	Q					93+20	0.0000	1.53	Q				
88+15	0.0000	1.55	Q					93+25	0.0000	1.53	Q				
88+20	0.0000	1.55	Q					93+30	0.0000	1.53	Q				
88+25	0.0000	1.55	Q					93+35	0.0000	1.53	Q				
88+30	0.0000	1.55	Q					93+40	0.0000	1.53	Q				
88+35	0.0000	1.55	Q					93+45	0.0000	1.53	Q				
88+40	0.0000	1.55	Q					93+50	0.0000	1.53	Q				
88+45	0.0000	1.55	Q					93+55	0.0000	1.53	Q				
88+50	0.0000	1.55	Q					94+ 0	0.0000	1.53	Q				
88+55	0.0000	1.55	Q					94+ 5	0.0000	1.53	Q				
89+ 0	0.0000	1.55	Q					94+10	0.0000	1.53	Q				
89+ 5	0.0000	1.55	Q					94+15	0.0000	1.53	Q				
89+10	0.0000	1.55	Q					94+20	0.0000	1.53	Q				

94+25	0.0000	1.53	Q					99+35	0.0000	1.51	Q				
94+30	0.0000	1.53	Q					99+40	0.0000	1.51	Q				
94+35	0.0000	1.53	Q					99+45	0.0000	1.51	Q				
94+40	0.0000	1.53	Q					99+50	0.0000	1.51	Q				
94+45	0.0000	1.53	Q					99+55	0.0000	1.51	Q				
94+50	0.0000	1.53	Q					100+ 0	0.0000	1.51	Q				
94+55	0.0000	1.53	Q					100+ 5	0.0000	1.51	Q				
95+ 0	0.0000	1.52	Q					100+10	0.0000	1.51	Q				
95+ 5	0.0000	1.52	Q					100+15	0.0000	1.51	Q				
95+10	0.0000	1.52	Q					100+20	0.0000	1.51	Q				
95+15	0.0000	1.52	Q					100+25	0.0000	1.51	Q				
95+20	0.0000	1.52	Q					100+30	0.0000	1.51	Q				
95+25	0.0000	1.52	Q					100+35	0.0000	1.50	Q				
95+30	0.0000	1.52	Q					100+40	0.0000	1.50	Q				
95+35	0.0000	1.52	Q					100+45	0.0000	1.50	Q				
95+40	0.0000	1.52	Q					100+50	0.0000	1.50	Q				
95+45	0.0000	1.52	Q					100+55	0.0000	1.50	Q				
95+50	0.0000	1.52	Q					101+ 0	0.0000	1.50	Q				
95+55	0.0000	1.52	Q					101+ 5	0.0000	1.50	Q				
96+ 0	0.0000	1.52	Q					101+10	0.0000	1.50	Q				
96+ 5	0.0000	1.52	Q					101+15	0.0000	1.50	Q				
96+10	0.0000	1.52	Q					101+20	0.0000	1.50	Q				
96+15	0.0000	1.52	Q					101+25	0.0000	1.50	Q				
96+20	0.0000	1.52	Q					101+30	0.0000	1.50	Q				
96+25	0.0000	1.52	Q					101+35	0.0000	1.50	Q				
96+30	0.0000	1.52	Q					101+40	0.0000	1.50	Q				
96+35	0.0000	1.52	Q					101+45	0.0000	1.50	Q				
96+40	0.0000	1.52	Q					101+50	0.0000	1.50	Q				
96+45	0.0000	1.52	Q					101+55	0.0000	1.50	Q				
96+50	0.0000	1.52	Q					102+ 0	0.0000	1.50	Q				
96+55	0.0000	1.52	Q					102+ 5	0.0000	1.50	Q				
97+ 0	0.0000	1.52	Q					102+10	0.0000	1.50	Q				
97+ 5	0.0000	1.52	Q					102+15	0.0000	1.50	Q				
97+10	0.0000	1.52	Q					102+20	0.0000	1.50	Q				
97+15	0.0000	1.52	Q					102+25	0.0000	1.50	Q				
97+20	0.0000	1.52	Q					102+30	0.0000	1.50	Q				
97+25	0.0000	1.52	Q					102+35	0.0000	1.50	Q				
97+30	0.0000	1.52	Q					102+40	0.0000	1.50	Q				
97+35	0.0000	1.52	Q					102+45	0.0000	1.50	Q				
97+40	0.0000	1.52	Q					102+50	0.0000	1.50	Q				
97+45	0.0000	1.51	Q					102+55	0.0000	1.50	Q				
97+50	0.0000	1.51	Q					103+ 0	0.0000	1.50	Q				
97+55	0.0000	1.51	Q					103+ 5	0.0000	1.50	Q				
98+ 0	0.0000	1.51	Q					103+10	0.0000	1.50	Q				
98+ 5	0.0000	1.51	Q					103+15	0.0000	1.50	Q				
98+10	0.0000	1.51	Q					103+20	0.0000	1.49	Q				
98+15	0.0000	1.51	Q					103+25	0.0000	1.49	Q				
98+20	0.0000	1.51	Q					103+30	0.0000	1.49	Q				
98+25	0.0000	1.51	Q					103+35	0.0000	1.49	Q				
98+30	0.0000	1.51	Q					103+40	0.0000	1.49	Q				
98+35	0.0000	1.51	Q					103+45	0.0000	1.49	Q				
98+40	0.0000	1.51	Q					103+50	0.0000	1.49	Q				
98+45	0.0000	1.51	Q					103+55	0.0000	1.49	Q				
98+50	0.0000	1.51	Q					104+ 0	0.0000	1.49	Q				
98+55	0.0000	1.51	Q					104+ 5	0.0000	1.49	Q				
99+ 0	0.0000	1.51	Q					104+10	0.0000	1.49	Q				
99+ 5	0.0000	1.51	Q					104+15	0.0000	1.49	Q				
99+10	0.0000	1.51	Q					104+20	0.0000	1.49	Q				
99+15	0.0000	1.51	Q					104+25	0.0000	1.49	Q				
99+20	0.0000	1.51	Q					104+30	0.0000	1.49	Q				
99+25	0.0000	1.51	Q					104+35	0.0000	1.49	Q				
99+30	0.0000	1.51	Q					104+40	0.0000	1.49	Q				

104+45	0.0000	1.49	Q					109+55	0.0000	1.47	Q				
104+50	0.0000	1.49	Q					110+ 0	0.0000	1.47	Q				
104+55	0.0000	1.49	Q					110+ 5	0.0000	1.47	Q				
105+ 0	0.0000	1.49	Q					110+10	0.0000	1.47	Q				
105+ 5	0.0000	1.49	Q					110+15	0.0000	1.47	Q				
105+10	0.0000	1.49	Q					110+20	0.0000	1.47	Q				
105+15	0.0000	1.49	Q					110+25	0.0000	1.47	Q				
105+20	0.0000	1.49	Q					110+30	0.0000	1.47	Q				
105+25	0.0000	1.49	Q					110+35	0.0000	1.47	Q				
105+30	0.0000	1.49	Q					110+40	0.0000	1.46	Q				
105+35	0.0000	1.49	Q					110+45	0.0000	1.46	Q				
105+40	0.0000	1.49	Q					110+50	0.0000	1.46	Q				
105+45	0.0000	1.49	Q					110+55	0.0000	1.46	Q				
105+50	0.0000	1.49	Q					111+ 0	0.0000	1.46	Q				
105+55	0.0000	1.48	Q					111+ 5	0.0000	1.46	Q				
106+ 0	0.0000	1.48	Q					111+10	0.0000	1.46	Q				
106+ 5	0.0000	1.48	Q					111+15	0.0000	1.46	Q				
106+10	0.0000	1.48	Q					111+20	0.0000	1.46	Q				
106+15	0.0000	1.48	Q					111+25	0.0000	1.46	Q				
106+20	0.0000	1.48	Q					111+30	0.0000	1.46	Q				
106+25	0.0000	1.48	Q					111+35	0.0000	1.46	Q				
106+30	0.0000	1.48	Q					111+40	0.0000	1.46	Q				
106+35	0.0000	1.48	Q					111+45	0.0000	1.46	Q				
106+40	0.0000	1.48	Q					111+50	0.0000	1.46	Q				
106+45	0.0000	1.48	Q					111+55	0.0000	1.46	Q				
106+50	0.0000	1.48	Q					112+ 0	0.0000	1.46	Q				
106+55	0.0000	1.48	Q					112+ 5	0.0000	1.46	Q				
107+ 0	0.0000	1.48	Q					112+10	0.0000	1.46	Q				
107+ 5	0.0000	1.48	Q					112+15	0.0000	1.46	Q				
107+10	0.0000	1.48	Q					112+20	0.0000	1.46	Q				
107+15	0.0000	1.48	Q					112+25	0.0000	1.46	Q				
107+20	0.0000	1.48	Q					112+30	0.0000	1.46	Q				
107+25	0.0000	1.48	Q					112+35	0.0000	1.46	Q				
107+30	0.0000	1.48	Q					112+40	0.0000	1.46	Q				
107+35	0.0000	1.48	Q					112+45	0.0000	1.46	Q				
107+40	0.0000	1.48	Q					112+50	0.0000	1.46	Q				
107+45	0.0000	1.48	Q					112+55	0.0000	1.46	Q				
107+50	0.0000	1.48	Q					113+ 0	0.0000	1.46	Q				
107+55	0.0000	1.48	Q					113+ 5	0.0000	1.45	Q				
108+ 0	0.0000	1.48	Q					113+10	0.0000	1.45	Q				
108+ 5	0.0000	1.48	Q					113+15	0.0000	1.45	Q				
108+10	0.0000	1.48	Q					113+20	0.0000	1.45	Q				
108+15	0.0000	1.48	Q					113+25	0.0000	1.45	Q				
108+20	0.0000	1.47	Q					113+30	0.0000	1.45	Q				
108+25	0.0000	1.47	Q					113+35	0.0000	1.45	Q				
108+30	0.0000	1.47	Q					113+40	0.0000	1.45	Q				
108+35	0.0000	1.47	Q					113+45	0.0000	1.45	Q				
108+40	0.0000	1.47	Q					113+50	0.0000	1.45	Q				
108+45	0.0000	1.47	Q					113+55	0.0000	1.45	Q				
108+50	0.0000	1.47	Q					114+ 0	0.0000	1.45	Q				
108+55	0.0000	1.47	Q					114+ 5	0.0000	1.45	Q				
109+ 0	0.0000	1.47	Q					114+10	0.0000	1.45	Q				
109+ 5	0.0000	1.47	Q					114+15	0.0000	1.45	Q				
109+10	0.0000	1.47	Q					114+20	0.0000	1.45	Q				
109+15	0.0000	1.47	Q					114+25	0.0000	1.45	Q				
109+20	0.0000	1.47	Q					114+30	0.0000	1.45	Q				
109+25	0.0000	1.47	Q					114+35	0.0000	1.45	Q				
109+30	0.0000	1.47	Q					114+40	0.0000	1.45	Q				
109+35	0.0000	1.47	Q					114+45	0.0000	1.45	Q				
109+40	0.0000	1.47	Q					114+50	0.0000	1.45	Q				
109+45	0.0000	1.47	Q					114+55	0.0000	1.45	Q				
109+50	0.0000	1.47	Q					115+ 0	0.0000	1.45	Q				

115+ 5	0.0000	1.45	Q					120+15	0.0000	1.43	Q				
115+10	0.0000	1.45	Q					120+20	0.0000	1.42	Q				
115+15	0.0000	1.45	Q					120+25	0.0000	1.42	Q				
115+20	0.0000	1.45	Q					120+30	0.0000	1.42	Q				
115+25	0.0000	1.45	Q					120+35	0.0000	1.42	Q				
115+30	0.0000	1.44	Q					120+40	0.0000	1.42	Q				
115+35	0.0000	1.44	Q					120+45	0.0000	1.42	Q				
115+40	0.0000	1.44	Q					120+50	0.0000	1.42	Q				
115+45	0.0000	1.44	Q					120+55	0.0000	1.42	Q				
115+50	0.0000	1.44	Q					121+ 0	0.0000	1.42	Q				
115+55	0.0000	1.44	Q					121+ 5	0.0000	1.42	Q				
116+ 0	0.0000	1.44	Q					121+10	0.0000	1.42	Q				
116+ 5	0.0000	1.44	Q					121+15	0.0000	1.42	Q				
116+10	0.0000	1.44	Q					121+20	0.0000	1.42	Q				
116+15	0.0000	1.44	Q					121+25	0.0000	1.42	Q				
116+20	0.0000	1.44	Q					121+30	0.0000	1.42	Q				
116+25	0.0000	1.44	Q					121+35	0.0000	1.42	Q				
116+30	0.0000	1.44	Q					121+40	0.0000	1.42	Q				
116+35	0.0000	1.44	Q					121+45	0.0000	1.42	Q				
116+40	0.0000	1.44	Q					121+50	0.0000	1.42	Q				
116+45	0.0000	1.44	Q					121+55	0.0000	1.42	Q				
116+50	0.0000	1.44	Q					122+ 0	0.0000	1.42	Q				
116+55	0.0000	1.44	Q					122+ 5	0.0000	1.42	Q				
117+ 0	0.0000	1.44	Q					122+10	0.0000	1.42	Q				
117+ 5	0.0000	1.44	Q					122+15	0.0000	1.42	Q				
117+10	0.0000	1.44	Q					122+20	0.0000	1.42	Q				
117+15	0.0000	1.44	Q					122+25	0.0000	1.42	Q				
117+20	0.0000	1.44	Q					122+30	0.0000	1.42	Q				
117+25	0.0000	1.44	Q					122+35	0.0000	1.42	Q				
117+30	0.0000	1.44	Q					122+40	0.0000	1.42	Q				
117+35	0.0000	1.44	Q					122+45	0.0000	1.42	Q				
117+40	0.0000	1.44	Q					122+50	0.0000	1.41	Q				
117+45	0.0000	1.44	Q					122+55	0.0000	1.41	Q				
117+50	0.0000	1.44	Q					123+ 0	0.0000	1.41	Q				
117+55	0.0000	1.43	Q					123+ 5	0.0000	1.41	Q				
118+ 0	0.0000	1.43	Q					123+10	0.0000	1.41	Q				
118+ 5	0.0000	1.43	Q					123+15	0.0000	1.41	Q				
118+10	0.0000	1.43	Q					123+20	0.0000	1.41	Q				
118+15	0.0000	1.43	Q					123+25	0.0000	1.41	Q				
118+20	0.0000	1.43	Q					123+30	0.0000	1.41	Q				
118+25	0.0000	1.43	Q					123+35	0.0000	1.41	Q				
118+30	0.0000	1.43	Q					123+40	0.0000	1.41	Q				
118+35	0.0000	1.43	Q					123+45	0.0000	1.41	Q				
118+40	0.0000	1.43	Q					123+50	0.0000	1.41	Q				
118+45	0.0000	1.43	Q					123+55	0.0000	1.41	Q				
118+50	0.0000	1.43	Q					124+ 0	0.0000	1.41	Q				
118+55	0.0000	1.43	Q					124+ 5	0.0000	1.41	Q				
119+ 0	0.0000	1.43	Q					124+10	0.0000	1.41	Q				
119+ 5	0.0000	1.43	Q					124+15	0.0000	1.41	Q				
119+10	0.0000	1.43	Q					124+20	0.0000	1.41	Q				
119+15	0.0000	1.43	Q					124+25	0.0000	1.41	Q				
119+20	0.0000	1.43	Q					124+30	0.0000	1.41	Q				
119+25	0.0000	1.43	Q					124+35	0.0000	1.41	Q				
119+30	0.0000	1.43	Q					124+40	0.0000	1.41	Q				
119+35	0.0000	1.43	Q					124+45	0.0000	1.41	Q				
119+40	0.0000	1.43	Q					124+50	0.0000	1.41	Q				
119+45	0.0000	1.43	Q					124+55	0.0000	1.41	Q				
119+50	0.0000	1.43	Q					125+ 0	0.0000	1.41	Q				
119+55	0.0000	1.43	Q					125+ 5	0.0000	1.41	Q				
120+ 0	0.0000	1.43	Q					125+10	0.0000	1.41	Q				
120+ 5	0.0000	1.43	Q					125+15	0.0000	1.40	Q				
120+10	0.0000	1.43	Q					125+20	0.0000	1.40	Q				

125+25	0.0000	1.40	Q					130+35	0.0000	1.38	Q				
125+30	0.0000	1.40	Q					130+40	0.0000	1.38	Q				
125+35	0.0000	1.40	Q					130+45	0.0000	1.38	Q				
125+40	0.0000	1.40	Q					130+50	0.0000	1.38	Q				
125+45	0.0000	1.40	Q					130+55	0.0000	1.38	Q				
125+50	0.0000	1.40	Q					131+ 0	0.0000	1.38	Q				
125+55	0.0000	1.40	Q					131+ 5	0.0000	1.38	Q				
126+ 0	0.0000	1.40	Q					131+10	0.0000	1.38	Q				
126+ 5	0.0000	1.40	Q					131+15	0.0000	1.38	Q				
126+10	0.0000	1.40	Q					131+20	0.0000	1.38	Q				
126+15	0.0000	1.40	Q					131+25	0.0000	1.38	Q				
126+20	0.0000	1.40	Q					131+30	0.0000	1.38	Q				
126+25	0.0000	1.40	Q					131+35	0.0000	1.38	Q				
126+30	0.0000	1.40	Q					131+40	0.0000	1.38	Q				
126+35	0.0000	1.40	Q					131+45	0.0000	1.38	Q				
126+40	0.0000	1.40	Q					131+50	0.0000	1.38	Q				
126+45	0.0000	1.40	Q					131+55	0.0000	1.38	Q				
126+50	0.0000	1.40	Q					132+ 0	0.0000	1.38	Q				
126+55	0.0000	1.40	Q					132+ 5	0.0000	1.38	Q				
127+ 0	0.0000	1.40	Q					132+10	0.0000	1.38	Q				
127+ 5	0.0000	1.40	Q					132+15	0.0000	1.38	Q				
127+10	0.0000	1.40	Q					132+20	0.0000	1.38	Q				
127+15	0.0000	1.40	Q					132+25	0.0000	1.37	Q				
127+20	0.0000	1.40	Q					132+30	0.0000	1.37	Q				
127+25	0.0000	1.40	Q					132+35	0.0000	1.37	Q				
127+30	0.0000	1.40	Q					132+40	0.0000	1.37	Q				
127+35	0.0000	1.39	Q					132+45	0.0000	1.37	Q				
127+40	0.0000	1.39	Q					132+50	0.0000	1.37	Q				
127+45	0.0000	1.39	Q					132+55	0.0000	1.37	Q				
127+50	0.0000	1.39	Q					133+ 0	0.0000	1.37	Q				
127+55	0.0000	1.39	Q					133+ 5	0.0000	1.37	Q				
128+ 0	0.0000	1.39	Q					133+10	0.0000	1.37	Q				
128+ 5	0.0000	1.39	Q					133+15	0.0000	1.37	Q				
128+10	0.0000	1.39	Q					133+20	0.0000	1.37	Q				
128+15	0.0000	1.39	Q					133+25	0.0000	1.37	Q				
128+20	0.0000	1.39	Q					133+30	0.0000	1.37	Q				
128+25	0.0000	1.39	Q					133+35	0.0000	1.37	Q				
128+30	0.0000	1.39	Q					133+40	0.0000	1.37	Q				
128+35	0.0000	1.39	Q					133+45	0.0000	1.37	Q				
128+40	0.0000	1.39	Q					133+50	0.0000	1.37	Q				
128+45	0.0000	1.39	Q					133+55	0.0000	1.37	Q				
128+50	0.0000	1.39	Q					134+ 0	0.0000	1.37	Q				
128+55	0.0000	1.39	Q					134+ 5	0.0000	1.37	Q				
129+ 0	0.0000	1.39	Q					134+10	0.0000	1.37	Q				
129+ 5	0.0000	1.39	Q					134+15	0.0000	1.37	Q				
129+10	0.0000	1.39	Q					134+20	0.0000	1.37	Q				
129+15	0.0000	1.39	Q					134+25	0.0000	1.37	Q				
129+20	0.0000	1.39	Q					134+30	0.0000	1.37	Q				
129+25	0.0000	1.39	Q					134+35	0.0000	1.37	Q				
129+30	0.0000	1.39	Q					134+40	0.0000	1.37	Q				
129+35	0.0000	1.39	Q					134+45	0.0000	1.37	Q				
129+40	0.0000	1.39	Q					134+50	0.0000	1.36	Q				
129+45	0.0000	1.39	Q					134+55	0.0000	1.36	Q				
129+50	0.0000	1.39	Q					135+ 0	0.0000	1.36	Q				
129+55	0.0000	1.39	Q					135+ 5	0.0000	1.36	Q				
130+ 0	0.0000	1.38	Q					135+10	0.0000	1.36	Q				
130+ 5	0.0000	1.38	Q					135+15	0.0000	1.36	Q				
130+10	0.0000	1.38	Q					135+20	0.0000	1.36	Q				
130+15	0.0000	1.38	Q					135+25	0.0000	1.36	Q				
130+20	0.0000	1.38	Q					135+30	0.0000	1.36	Q				
130+25	0.0000	1.38	Q					135+35	0.0000	1.36	Q				
130+30	0.0000	1.38	Q					135+40	0.0000	1.36	Q				

```
 135+45       0.0000      1.36  Q         |         |         |         |
 135+50       0.0000      1.36  Q         |         |         |         |
 135+55       0.0000      1.36  Q         |         |         |         |
 136+ 0       0.0000      1.36  Q         |         |         |         |
 136+ 5       0.0000      1.36  Q         |         |         |         |
 136+10       0.0000      1.36  Q         |         |         |         |
 136+15       0.0000      1.36  Q         |         |         |         |
 136+20       0.0000      1.36  Q         |         |         |         |
 136+25       0.0000      1.36  Q         |         |         |         |
 136+30       0.0000      1.36  Q         |         |         |         |
 136+35       0.0000      1.36  Q         |         |         |         |
 136+40       0.0000      1.36  Q         |         |         |         |
 136+45       0.0000      1.36  Q         |         |         |         |
 136+50       0.0000      1.36  Q         |         |         |         |
 136+55       0.0000      1.36  Q         |         |         |         |
 137+ 0       0.0000      1.36  Q         |         |         |         |
 137+ 5       0.0000      1.36  Q         |         |         |         |
 137+10       0.0000      1.36  Q         |         |         |         |
 137+15       0.0000      1.35  Q         |         |         |         |
 137+20       0.0000      1.35  Q         |         |         |         |
 137+25       0.0000      1.35  Q         |         |         |         |
 137+30       0.0000      1.35  Q         |         |         |         |
 137+35       0.0000      1.35  Q         |         |         |         |
 137+40       0.0000      1.35  Q         |         |         |         |
 137+45       0.0000      1.35  Q         |         |         |         |
 137+50       0.0000      1.35  Q         |         |         |         |
 137+55       0.0000      1.35  Q         |         |         |         |
 138+ 0       0.0000      1.35  Q         |         |         |         |
 138+ 5       0.0000      1.35  Q         |         |         |         |
 138+10       0.0000      1.35  Q         |         |         |         |
 138+15       0.0000      1.35  Q         |         |         |         |
 138+20       0.0000      1.35  Q         |         |         |         |
 138+25       0.0000      1.35  Q         |         |         |         |
 138+30       0.0000      1.35  Q         |         |         |         |
 138+35       0.0000      1.35  Q         |         |         |         |
 138+40       0.0000      1.35  Q         |         |         |         |
 138+45       0.0000      1.35  Q         |         |         |         |
 138+50       0.0000      1.35  Q         |         |         |         |
 138+55       0.0000      1.35  Q         |         |         |         |
 139+ 0       0.0000      1.35  Q         |         |         |         |
 139+ 5       0.0000      1.35  Q         |         |         |         |
 139+10       0.0000      1.35  Q         |         |         |         |
 139+15       0.0000      1.35  Q         |         |         |         |
 139+20       0.0000      1.35  Q         |         |         |         |
 139+25       0.0000      1.35  Q         |         |         |         |
 139+30       0.0000      1.35  Q         |         |         |         |
 139+35       0.0000      1.35  Q         |         |         |         |
 139+40       0.0000      1.34  Q         |         |         |         |
 139+45       0.0000      1.34  Q         |         |         |         |
 139+50       0.0000      1.34  Q         |         |         |         |
 139+55       0.0000      1.34  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  5000
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       89.478 (CFS)
                        Total volume =      46.031 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************
```

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                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                     Study date: 02/13/24

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MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 6 HOUR
AREAS 4A, 4B, 4C, 4D, 4E, 4F & 4G
2/09/24
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP4D1006100.rte
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =    81
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =      135.205 (CFS)
                Total volume =      18.447 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.100 to Point/Station        4.200
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 81
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.581      0.200      0.580        0.582
  2.000      1.217      0.290      1.216        1.218
  3.000      1.908      0.360      1.907        1.909
  4.000      2.657      0.420      2.656        2.658
  5.000      3.465      0.470      3.463        3.467
  6.000      4.333      0.510      4.331        4.335
  7.000      5.263      0.550      5.261        5.265
  8.000      6.257      0.590      6.255        6.259
  9.000      7.318      0.630      7.316        7.320
 10.000      8.448      0.660      8.446        8.450
 11.000      9.650      0.690      9.648        9.652
 12.000     10.898      0.730     10.895       10.901
 13.000     12.216      0.760     12.213       12.219
 14.000     13.633      0.780     13.630       13.636
 15.000     15.123     12.850     15.079       15.167
 16.000     16.688     24.780     16.603       16.773
 17.000     18.331     37.080     18.203       18.459
 18.000     20.053     84.390     19.762       20.344
 19.000     21.854    162.420     21.295       22.413
------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours)  (CFS)   (CFS)     (Ac.Ft) .0      33.8   67.60  101.40  135.21 (Ft.)
 0.083    0.91    0.00      0.003  O       |      |      |      |      0.01
 0.167    6.20    0.01      0.028  OI      |      |      |      |      0.05
 0.250   10.44    0.03      0.085  O I     |      |      |      |      0.15
 0.333   12.33    0.06      0.163  O I     |      |      |      |      0.28
 0.417   13.22    0.09      0.250  O  I    |      |      |      |      0.43
 0.500   13.88    0.12      0.343  O  I    |      |      |      |      0.59
 0.583   15.38    0.15      0.443  O  I    |      |      |      |      0.76
 0.667   16.24    0.19      0.550  O  I    |      |      |      |      0.95
 0.750   16.60    0.21      0.662  O  I    |      |      |      |      1.13
 0.833   16.78    0.23      0.776  O  I    |      |      |      |      1.31
 0.917   16.86    0.24      0.890  O  I    |      |      |      |      1.49
 1.000   17.12    0.26      1.005  O   I   |      |      |      |      1.67
 1.083   18.48    0.28      1.126  O   I   |      |      |      |      1.86
 1.167   19.27    0.29      1.254  O   I   |      |      |      |      2.05
 1.250   19.57    0.31      1.386  O   I   |      |      |      |      2.24
 1.333   19.73    0.32      1.519  O   I   |      |      |      |      2.44
 1.417   19.80    0.33      1.653  O   I   |      |      |      |      2.63
 1.500   19.82    0.35      1.787  O   I   |      |      |      |      2.82
 1.583   19.84    0.36      1.921  O   I   |      |      |      |      3.02
 1.667   19.85    0.37      2.055  O   I   |      |      |      |      3.20
 1.750   19.85    0.38      2.189  O   I   |      |      |      |      3.38
 1.833   19.85    0.39      2.323  O   I   |      |      |      |      3.55
 1.917   19.85    0.40      2.457  O   I   |      |      |      |      3.73
 2.000   20.09    0.41      2.592  O   I   |      |      |      |      3.91
 2.083   21.20    0.42      2.731  O    I  |      |      |      |      4.09
 2.167   20.86    0.43      2.873  O   I   |      |      |      |      4.27
 2.250   21.74    0.44      3.017  O    I  |      |      |      |      4.45
 2.333   22.37    0.45      3.165  O    I  |      |      |      |      4.63
 2.417   22.58    0.46      3.317  O    I  |      |      |      |      4.82
 2.500   22.69    0.47      3.470  O    I  |      |      |      |      5.01
 2.583   22.75    0.48      3.623  O    I  |      |      |      |      5.18
 2.667   22.77    0.48      3.776  O    I  |      |      |      |      5.36
 2.750   23.02    0.49      3.931  O    I  |      |      |      |      5.54
 2.833   24.37    0.50      4.091  O    I  |      |      |      |      5.72
 2.917   25.15    0.51      4.258  O    I  |      |      |      |      5.91
 3.000   25.45    0.51      4.428  O     I |      |      |      |      6.10
 3.083   25.60    0.52      4.601  O     I |      |      |      |      6.29
 3.167   25.92    0.53      4.774  O     I |      |      |      |      6.47
 3.250   27.29    0.54      4.954  O     I |      |      |      |      6.67
 3.333   28.07    0.54      5.141  O     I |      |      |      |      6.87
```

3.417	28.63	0.55	5.332	O	I				7.07	8.583	0.00	5.26	14.186	IO					14.37
3.500	30.37	0.56	5.532	O	I				7.27	8.667	0.00	4.98	14.151	IO					14.35
3.583	32.80	0.57	5.745	O	I				7.49	8.750	0.00	4.71	14.118	IO					14.33
3.667	35.24	0.58	5.976	O	I				7.72	8.833	0.00	4.45	14.086	IO					14.30
3.750	36.72	0.59	6.219	O	I				7.96	8.917	0.00	4.21	14.056	O					14.28
3.833	38.61	0.60	6.475	O	I				8.21	9.000	0.00	3.98	14.028	O					14.27
3.917	39.87	0.61	6.741	O	I				8.46	9.083	0.00	3.77	14.002	O					14.25
4.000	41.63	0.62	7.017	O	I				8.72	9.167	0.00	3.56	13.976	O					14.23
4.083	42.85	0.63	7.304	O	I				8.99	9.250	0.00	3.37	13.952	O					14.21
4.167	44.84	0.64	7.601	O	I				9.25	9.333	0.00	3.19	13.930	O					14.20
4.250	47.39	0.65	7.914	O	I				9.53	9.417	0.00	3.01	13.909	O					14.18
4.333	50.13	0.65	8.246	O	I				9.82	9.500	0.00	2.85	13.888	O					14.17
4.417	52.98	0.66	8.596	O	I				10.12	9.583	0.00	2.69	13.869	O					14.16
4.500	55.65	0.67	8.966	O	I				10.43	9.667	0.00	2.55	13.851	O					14.15
4.583	57.22	0.68	9.350	O	I				10.75	9.750	0.00	2.41	13.834	O					14.14
4.667	59.38	0.69	9.747	O	I				11.08	9.833	0.00	2.28	13.818	O					14.12
4.750	62.01	0.71	10.160	O	I				11.41	9.917	0.00	2.16	13.803	O					14.11
4.833	64.55	0.72	10.591	O	I				11.75	10.000	0.00	2.04	13.788	O					14.10
4.917	66.08	0.73	11.036	O	I				12.10	10.083	0.00	1.93	13.775	O					14.10
5.000	68.22	0.74	11.493	O	I				12.45	10.167	0.00	1.82	13.762	O					14.09
5.083	71.81	0.75	11.970	O	I				12.81	10.250	0.00	1.72	13.750	O					14.08
5.167	80.93	0.76	12.491	O	I				13.19	10.333	0.00	1.63	13.738	O					14.07
5.250	92.74	0.77	13.083	O	I				13.61	10.417	0.00	1.54	13.727	O					14.06
5.333	103.11	1.72	13.749	O	I				14.08	10.500	0.00	1.46	13.717	O					14.06
5.417	113.05	7.49	14.462	IO	I				14.56	10.583	0.00	1.38	13.707	O					14.05
5.500	126.34	13.54	15.214	I	O				15.06	10.667	0.00	1.30	13.698	O					14.04
5.583	135.21	19.54	16.001	I	O				15.56	10.750	0.00	1.23	13.689	O					14.04
5.667	92.35	24.36	16.633	I	O				15.96	10.833	0.00	1.17	13.681	O					14.03
5.750	53.60	26.81	16.959	I	O	I			16.17	10.917	0.00	1.10	13.673	O					14.03
5.833	32.50	27.63	17.068	I	OI				16.23	11.000	0.00	1.04	13.666	O					14.02
5.917	20.48	27.57	17.061	I	I O				16.23	11.083	0.00	0.99	13.659	O					14.02
6.000	12.64	27.02	16.987	I	I	O			16.18	11.167	0.00	0.93	13.652	O					14.01
6.083	7.93	26.18	16.874	I	I	O			16.11	11.250	0.00	0.88	13.646	O					14.01
6.167	3.93	25.16	16.739	I	I	O			16.03	11.333	0.00	0.83	13.640	O					14.00
6.250	1.67	24.02	16.588	I	I	O			15.94	11.417	0.00	0.79	13.634	O					14.00
6.333	0.69	22.85	16.435	I	I	O			15.84	11.500	0.00	0.78	13.629	O					14.00
6.417	0.30	21.71	16.285	I	I	O			15.74	11.583	0.00	0.78	13.623	O					13.99
6.500	0.13	20.61	16.141	I	I	O			15.65	11.667	0.00	0.78	13.618	O					13.99
6.583	0.06	19.56	16.003	I	I	O			15.56	11.750	0.00	0.78	13.613	O					13.99
6.667	0.02	18.56	15.872	I	I	O			15.48	11.833	0.00	0.78	13.607	O					13.98
6.750	0.01	17.61	15.748	I	I	O			15.40	11.917	0.00	0.78	13.602	O					13.98
6.833	0.00	16.71	15.630	I	I	O			15.32	12.000	0.00	0.78	13.597	O					13.97
6.917	0.00	15.86	15.517	I	I	O			15.25	12.083	0.00	0.78	13.591	O					13.97
7.000	0.00	15.05	15.411	I	I	O			15.18	12.167	0.00	0.78	13.586	O					13.97
7.083	0.00	14.28	15.310	I	I	O			15.12	12.250	0.00	0.78	13.580	O					13.96
7.167	0.00	13.55	15.214	I	I	O			15.06	12.333	0.00	0.78	13.575	O					13.96
7.250	0.00	12.85	15.123	I	I	O			15.00	12.417	0.00	0.78	13.570	O					13.96
7.333	0.00	12.16	15.037	I	I	O			14.94	12.500	0.00	0.78	13.564	O					13.95
7.417	0.00	11.50	14.956	I	I	O			14.89	12.583	0.00	0.78	13.559	O					13.95
7.500	0.00	10.87	14.879	I	I	O			14.84	12.667	0.00	0.78	13.554	O					13.94
7.583	0.00	10.28	14.806	I	I	O			14.79	12.750	0.00	0.78	13.548	O					13.94
7.667	0.00	9.72	14.737	I	I	O			14.74	12.833	0.00	0.78	13.543	O					13.94
7.750	0.00	9.20	14.672	I	I	O			14.70	12.917	0.00	0.78	13.538	O					13.93
7.833	0.00	8.70	14.610	I	I	O			14.66	13.000	0.00	0.78	13.532	O					13.93
7.917	0.00	8.22	14.552	I	O				14.62	13.083	0.00	0.78	13.527	O					13.93
8.000	0.00	7.78	14.497	I	O				14.58	13.167	0.00	0.78	13.521	O					13.92
8.083	0.00	7.36	14.445	I	O				14.54	13.250	0.00	0.78	13.516	O					13.92
8.167	0.00	6.96	14.396	I	O				14.51	13.333	0.00	0.78	13.511	O					13.91
8.250	0.00	6.58	14.349	I	O				14.48	13.417	0.00	0.78	13.505	O					13.91
8.333	0.00	6.22	14.305	I	O				14.45	13.500	0.00	0.78	13.500	O					13.91
8.417	0.00	5.88	14.263	I	O				14.42	13.583	0.00	0.78	13.495	O					13.90
8.500	0.00	5.57	14.224	I	O				14.40	13.667	0.00	0.78	13.489	O					13.90

13.750	0.00	0.78	13.484	O	|	|	|	|	13.89	18.917	0.00	0.77	13.153	O	|	|	|	|	13.66
13.833	0.00	0.78	13.479	O	|	|	|	|	13.89	19.000	0.00	0.77	13.147	O	|	|	|	|	13.66
13.917	0.00	0.78	13.473	O	|	|	|	|	13.89	19.083	0.00	0.77	13.142	O	|	|	|	|	13.65
14.000	0.00	0.78	13.468	O	|	|	|	|	13.88	19.167	0.00	0.77	13.137	O	|	|	|	|	13.65
14.083	0.00	0.78	13.462	O	|	|	|	|	13.88	19.250	0.00	0.77	13.131	O	|	|	|	|	13.65
14.167	0.00	0.78	13.457	O	|	|	|	|	13.88	19.333	0.00	0.77	13.126	O	|	|	|	|	13.64
14.250	0.00	0.78	13.452	O	|	|	|	|	13.87	19.417	0.00	0.77	13.121	O	|	|	|	|	13.64
14.333	0.00	0.78	13.446	O	|	|	|	|	13.87	19.500	0.00	0.77	13.115	O	|	|	|	|	13.63
14.417	0.00	0.78	13.441	O	|	|	|	|	13.86	19.583	0.00	0.77	13.110	O	|	|	|	|	13.63
14.500	0.00	0.78	13.436	O	|	|	|	|	13.86	19.667	0.00	0.77	13.105	O	|	|	|	|	13.63
14.583	0.00	0.78	13.430	O	|	|	|	|	13.86	19.750	0.00	0.77	13.100	O	|	|	|	|	13.62
14.667	0.00	0.78	13.425	O	|	|	|	|	13.85	19.833	0.00	0.77	13.094	O	|	|	|	|	13.62
14.750	0.00	0.78	13.420	O	|	|	|	|	13.85	19.917	0.00	0.77	13.089	O	|	|	|	|	13.62
14.833	0.00	0.78	13.414	O	|	|	|	|	13.85	20.000	0.00	0.77	13.084	O	|	|	|	|	13.61
14.917	0.00	0.78	13.409	O	|	|	|	|	13.84	20.083	0.00	0.77	13.078	O	|	|	|	|	13.61
15.000	0.00	0.78	13.404	O	|	|	|	|	13.84	20.167	0.00	0.77	13.073	O	|	|	|	|	13.60
15.083	0.00	0.78	13.398	O	|	|	|	|	13.83	20.250	0.00	0.77	13.068	O	|	|	|	|	13.60
15.167	0.00	0.78	13.393	O	|	|	|	|	13.83	20.333	0.00	0.77	13.062	O	|	|	|	|	13.60
15.250	0.00	0.78	13.388	O	|	|	|	|	13.83	20.417	0.00	0.77	13.057	O	|	|	|	|	13.59
15.333	0.00	0.78	13.382	O	|	|	|	|	13.82	20.500	0.00	0.77	13.052	O	|	|	|	|	13.59
15.417	0.00	0.78	13.377	O	|	|	|	|	13.82	20.583	0.00	0.77	13.046	O	|	|	|	|	13.59
15.500	0.00	0.78	13.372	O	|	|	|	|	13.82	20.667	0.00	0.77	13.041	O	|	|	|	|	13.58
15.583	0.00	0.78	13.366	O	|	|	|	|	13.81	20.750	0.00	0.77	13.036	O	|	|	|	|	13.58
15.667	0.00	0.78	13.361	O	|	|	|	|	13.81	20.833	0.00	0.77	13.030	O	|	|	|	|	13.57
15.750	0.00	0.78	13.355	O	|	|	|	|	13.80	20.917	0.00	0.77	13.025	O	|	|	|	|	13.57
15.833	0.00	0.78	13.350	O	|	|	|	|	13.80	21.000	0.00	0.77	13.020	O	|	|	|	|	13.57
15.917	0.00	0.78	13.345	O	|	|	|	|	13.80	21.083	0.00	0.77	13.014	O	|	|	|	|	13.56
16.000	0.00	0.78	13.339	O	|	|	|	|	13.79	21.167	0.00	0.77	13.009	O	|	|	|	|	13.56
16.083	0.00	0.78	13.334	O	|	|	|	|	13.79	21.250	0.00	0.77	13.004	O	|	|	|	|	13.56
16.167	0.00	0.78	13.329	O	|	|	|	|	13.79	21.333	0.00	0.77	12.999	O	|	|	|	|	13.55
16.250	0.00	0.78	13.323	O	|	|	|	|	13.78	21.417	0.00	0.77	12.993	O	|	|	|	|	13.55
16.333	0.00	0.78	13.318	O	|	|	|	|	13.78	21.500	0.00	0.77	12.988	O	|	|	|	|	13.54
16.417	0.00	0.78	13.313	O	|	|	|	|	13.77	21.583	0.00	0.77	12.983	O	|	|	|	|	13.54
16.500	0.00	0.78	13.307	O	|	|	|	|	13.77	21.667	0.00	0.77	12.977	O	|	|	|	|	13.54
16.583	0.00	0.78	13.302	O	|	|	|	|	13.77	21.750	0.00	0.77	12.972	O	|	|	|	|	13.53
16.667	0.00	0.78	13.297	O	|	|	|	|	13.76	21.833	0.00	0.77	12.967	O	|	|	|	|	13.53
16.750	0.00	0.78	13.291	O	|	|	|	|	13.76	21.917	0.00	0.77	12.961	O	|	|	|	|	13.53
16.833	0.00	0.78	13.286	O	|	|	|	|	13.76	22.000	0.00	0.77	12.956	O	|	|	|	|	13.52
16.917	0.00	0.78	13.281	O	|	|	|	|	13.75	22.083	0.00	0.77	12.951	O	|	|	|	|	13.52
17.000	0.00	0.77	13.275	O	|	|	|	|	13.75	22.167	0.00	0.77	12.945	O	|	|	|	|	13.51
17.083	0.00	0.77	13.270	O	|	|	|	|	13.74	22.250	0.00	0.77	12.940	O	|	|	|	|	13.51
17.167	0.00	0.77	13.265	O	|	|	|	|	13.74	22.333	0.00	0.77	12.935	O	|	|	|	|	13.51
17.250	0.00	0.77	13.259	O	|	|	|	|	13.74	22.417	0.00	0.77	12.930	O	|	|	|	|	13.50
17.333	0.00	0.77	13.254	O	|	|	|	|	13.73	22.500	0.00	0.77	12.924	O	|	|	|	|	13.50
17.417	0.00	0.77	13.249	O	|	|	|	|	13.73	22.583	0.00	0.77	12.919	O	|	|	|	|	13.50
17.500	0.00	0.77	13.243	O	|	|	|	|	13.73	22.667	0.00	0.77	12.914	O	|	|	|	|	13.49
17.583	0.00	0.77	13.238	O	|	|	|	|	13.72	22.750	0.00	0.77	12.908	O	|	|	|	|	13.49
17.667	0.00	0.77	13.233	O	|	|	|	|	13.72	22.833	0.00	0.77	12.903	O	|	|	|	|	13.48
17.750	0.00	0.77	13.227	O	|	|	|	|	13.71	22.917	0.00	0.77	12.898	O	|	|	|	|	13.48
17.833	0.00	0.77	13.222	O	|	|	|	|	13.71	23.000	0.00	0.77	12.892	O	|	|	|	|	13.48
17.917	0.00	0.77	13.217	O	|	|	|	|	13.71	23.083	0.00	0.77	12.887	O	|	|	|	|	13.47
18.000	0.00	0.77	13.211	O	|	|	|	|	13.70	23.167	0.00	0.77	12.882	O	|	|	|	|	13.47
18.083	0.00	0.77	13.206	O	|	|	|	|	13.70	23.250	0.00	0.77	12.877	O	|	|	|	|	13.47
18.167	0.00	0.77	13.201	O	|	|	|	|	13.69	23.333	0.00	0.77	12.871	O	|	|	|	|	13.46
18.250	0.00	0.77	13.195	O	|	|	|	|	13.69	23.417	0.00	0.77	12.866	O	|	|	|	|	13.46
18.333	0.00	0.77	13.190	O	|	|	|	|	13.69	23.500	0.00	0.77	12.861	O	|	|	|	|	13.45
18.417	0.00	0.77	13.185	O	|	|	|	|	13.68	23.583	0.00	0.77	12.855	O	|	|	|	|	13.45
18.500	0.00	0.77	13.179	O	|	|	|	|	13.68	23.667	0.00	0.77	12.850	O	|	|	|	|	13.45
18.583	0.00	0.77	13.174	O	|	|	|	|	13.68	23.750	0.00	0.77	12.845	O	|	|	|	|	13.44
18.667	0.00	0.77	13.169	O	|	|	|	|	13.67	23.833	0.00	0.77	12.839	O	|	|	|	|	13.44
18.750	0.00	0.77	13.163	O	|	|	|	|	13.67	23.917	0.00	0.77	12.834	O	|	|	|	|	13.44
18.833	0.00	0.77	13.158	O	|	|	|	|	13.66	24.000	0.00	0.77	12.829	O	|	|	|	|	13.43

24.083	0.00	0.77	12.824	O	|	|	|	|	13.43	29.250	0.00	0.76	12.496	O	|	|	|	|	13.20
24.167	0.00	0.77	12.818	O	|	|	|	|	13.43	29.333	0.00	0.76	12.491	O	|	|	|	|	13.19
24.250	0.00	0.77	12.813	O	|	|	|	|	13.42	29.417	0.00	0.76	12.486	O	|	|	|	|	13.19
24.333	0.00	0.77	12.808	O	|	|	|	|	13.42	29.500	0.00	0.76	12.481	O	|	|	|	|	13.19
24.417	0.00	0.77	12.802	O	|	|	|	|	13.41	29.583	0.00	0.76	12.475	O	|	|	|	|	13.18
24.500	0.00	0.77	12.797	O	|	|	|	|	13.41	29.667	0.00	0.76	12.470	O	|	|	|	|	13.18
24.583	0.00	0.77	12.792	O	|	|	|	|	13.41	29.750	0.00	0.76	12.465	O	|	|	|	|	13.18
24.667	0.00	0.77	12.787	O	|	|	|	|	13.40	29.833	0.00	0.76	12.460	O	|	|	|	|	13.17
24.750	0.00	0.77	12.781	O	|	|	|	|	13.40	29.917	0.00	0.76	12.454	O	|	|	|	|	13.17
24.833	0.00	0.77	12.776	O	|	|	|	|	13.40	30.000	0.00	0.76	12.449	O	|	|	|	|	13.16
24.917	0.00	0.77	12.771	O	|	|	|	|	13.39	30.083	0.00	0.76	12.444	O	|	|	|	|	13.16
25.000	0.00	0.77	12.765	O	|	|	|	|	13.39	30.167	0.00	0.76	12.439	O	|	|	|	|	13.16
25.083	0.00	0.77	12.760	O	|	|	|	|	13.38	30.250	0.00	0.76	12.433	O	|	|	|	|	13.15
25.167	0.00	0.77	12.755	O	|	|	|	|	13.38	30.333	0.00	0.76	12.428	O	|	|	|	|	13.15
25.250	0.00	0.77	12.750	O	|	|	|	|	13.38	30.417	0.00	0.76	12.423	O	|	|	|	|	13.15
25.333	0.00	0.77	12.744	O	|	|	|	|	13.37	30.500	0.00	0.76	12.418	O	|	|	|	|	13.14
25.417	0.00	0.77	12.739	O	|	|	|	|	13.37	30.583	0.00	0.76	12.412	O	|	|	|	|	13.14
25.500	0.00	0.77	12.734	O	|	|	|	|	13.37	30.667	0.00	0.76	12.407	O	|	|	|	|	13.13
25.583	0.00	0.77	12.728	O	|	|	|	|	13.36	30.750	0.00	0.76	12.402	O	|	|	|	|	13.13
25.667	0.00	0.77	12.723	O	|	|	|	|	13.36	30.833	0.00	0.76	12.397	O	|	|	|	|	13.13
25.750	0.00	0.77	12.718	O	|	|	|	|	13.35	30.917	0.00	0.76	12.391	O	|	|	|	|	13.12
25.833	0.00	0.77	12.713	O	|	|	|	|	13.35	31.000	0.00	0.76	12.386	O	|	|	|	|	13.12
25.917	0.00	0.77	12.707	O	|	|	|	|	13.35	31.083	0.00	0.76	12.381	O	|	|	|	|	13.12
26.000	0.00	0.77	12.702	O	|	|	|	|	13.34	31.167	0.00	0.76	12.376	O	|	|	|	|	13.11
26.083	0.00	0.77	12.697	O	|	|	|	|	13.34	31.250	0.00	0.76	12.370	O	|	|	|	|	13.11
26.167	0.00	0.77	12.691	O	|	|	|	|	13.34	31.333	0.00	0.76	12.365	O	|	|	|	|	13.11
26.250	0.00	0.77	12.686	O	|	|	|	|	13.33	31.417	0.00	0.76	12.360	O	|	|	|	|	13.10
26.333	0.00	0.77	12.681	O	|	|	|	|	13.33	31.500	0.00	0.76	12.355	O	|	|	|	|	13.10
26.417	0.00	0.77	12.676	O	|	|	|	|	13.32	31.583	0.00	0.76	12.349	O	|	|	|	|	13.09
26.500	0.00	0.77	12.670	O	|	|	|	|	13.32	31.667	0.00	0.76	12.344	O	|	|	|	|	13.09
26.583	0.00	0.77	12.665	O	|	|	|	|	13.32	31.750	0.00	0.76	12.339	O	|	|	|	|	13.09
26.667	0.00	0.77	12.660	O	|	|	|	|	13.31	31.833	0.00	0.76	12.334	O	|	|	|	|	13.08
26.750	0.00	0.77	12.654	O	|	|	|	|	13.31	31.917	0.00	0.76	12.328	O	|	|	|	|	13.08
26.833	0.00	0.77	12.649	O	|	|	|	|	13.31	32.000	0.00	0.76	12.323	O	|	|	|	|	13.08
26.917	0.00	0.77	12.644	O	|	|	|	|	13.30	32.083	0.00	0.76	12.318	O	|	|	|	|	13.07
27.000	0.00	0.77	12.639	O	|	|	|	|	13.30	32.167	0.00	0.76	12.313	O	|	|	|	|	13.07
27.083	0.00	0.77	12.633	O	|	|	|	|	13.29	32.250	0.00	0.76	12.307	O	|	|	|	|	13.06
27.167	0.00	0.77	12.628	O	|	|	|	|	13.29	32.333	0.00	0.76	12.302	O	|	|	|	|	13.06
27.250	0.00	0.77	12.623	O	|	|	|	|	13.29	32.417	0.00	0.76	12.297	O	|	|	|	|	13.06
27.333	0.00	0.77	12.618	O	|	|	|	|	13.28	32.500	0.00	0.76	12.292	O	|	|	|	|	13.05
27.417	0.00	0.77	12.612	O	|	|	|	|	13.28	32.583	0.00	0.76	12.286	O	|	|	|	|	13.05
27.500	0.00	0.77	12.607	O	|	|	|	|	13.28	32.667	0.00	0.76	12.281	O	|	|	|	|	13.05
27.583	0.00	0.77	12.602	O	|	|	|	|	13.27	32.750	0.00	0.76	12.276	O	|	|	|	|	13.04
27.667	0.00	0.77	12.596	O	|	|	|	|	13.27	32.833	0.00	0.76	12.271	O	|	|	|	|	13.04
27.750	0.00	0.77	12.591	O	|	|	|	|	13.26	32.917	0.00	0.76	12.265	O	|	|	|	|	13.03
27.833	0.00	0.77	12.586	O	|	|	|	|	13.26	33.000	0.00	0.76	12.260	O	|	|	|	|	13.03
27.917	0.00	0.77	12.581	O	|	|	|	|	13.26	33.083	0.00	0.76	12.255	O	|	|	|	|	13.03
28.000	0.00	0.77	12.575	O	|	|	|	|	13.25	33.167	0.00	0.76	12.250	O	|	|	|	|	13.02
28.083	0.00	0.76	12.570	O	|	|	|	|	13.25	33.250	0.00	0.76	12.244	O	|	|	|	|	13.02
28.167	0.00	0.76	12.565	O	|	|	|	|	13.25	33.333	0.00	0.76	12.239	O	|	|	|	|	13.02
28.250	0.00	0.76	12.560	O	|	|	|	|	13.24	33.417	0.00	0.76	12.234	O	|	|	|	|	13.01
28.333	0.00	0.76	12.554	O	|	|	|	|	13.24	33.500	0.00	0.76	12.229	O	|	|	|	|	13.01
28.417	0.00	0.76	12.549	O	|	|	|	|	13.24	33.583	0.00	0.76	12.223	O	|	|	|	|	13.01
28.500	0.00	0.76	12.544	O	|	|	|	|	13.23	33.667	0.00	0.76	12.218	O	|	|	|	|	13.00
28.583	0.00	0.76	12.538	O	|	|	|	|	13.23	33.750	0.00	0.76	12.213	O	|	|	|	|	13.00
28.667	0.00	0.76	12.533	O	|	|	|	|	13.22	33.833	0.00	0.76	12.208	O	|	|	|	|	12.99
28.750	0.00	0.76	12.528	O	|	|	|	|	13.22	33.917	0.00	0.76	12.203	O	|	|	|	|	12.99
28.833	0.00	0.76	12.523	O	|	|	|	|	13.22	34.000	0.00	0.76	12.197	O	|	|	|	|	12.99
28.917	0.00	0.76	12.517	O	|	|	|	|	13.21	34.083	0.00	0.76	12.192	O	|	|	|	|	12.98
29.000	0.00	0.76	12.512	O	|	|	|	|	13.21	34.167	0.00	0.76	12.187	O	|	|	|	|	12.98
29.083	0.00	0.76	12.507	O	|	|	|	|	13.21	34.250	0.00	0.76	12.182	O	|	|	|	|	12.97
29.167	0.00	0.76	12.502	O	|	|	|	|	13.20	34.333	0.00	0.76	12.176	O	|	|	|	|	12.97

34.417	0.00	0.76	12.171	O	|	|	|	|	12.97	39.583	0.00	0.75	11.849	O	|	|	|	|	12.72
34.500	0.00	0.76	12.166	O	|	|	|	|	12.96	39.667	0.00	0.75	11.843	O	|	|	|	|	12.72
34.583	0.00	0.76	12.161	O	|	|	|	|	12.96	39.750	0.00	0.75	11.838	O	|	|	|	|	12.71
34.667	0.00	0.76	12.155	O	|	|	|	|	12.95	39.833	0.00	0.75	11.833	O	|	|	|	|	12.71
34.750	0.00	0.76	12.150	O	|	|	|	|	12.95	39.917	0.00	0.75	11.828	O	|	|	|	|	12.71
34.833	0.00	0.76	12.145	O	|	|	|	|	12.95	40.000	0.00	0.75	11.823	O	|	|	|	|	12.70
34.917	0.00	0.76	12.140	O	|	|	|	|	12.94	40.083	0.00	0.75	11.818	O	|	|	|	|	12.70
35.000	0.00	0.76	12.135	O	|	|	|	|	12.94	40.167	0.00	0.75	11.812	O	|	|	|	|	12.69
35.083	0.00	0.76	12.129	O	|	|	|	|	12.93	40.250	0.00	0.75	11.807	O	|	|	|	|	12.69
35.167	0.00	0.76	12.124	O	|	|	|	|	12.93	40.333	0.00	0.75	11.802	O	|	|	|	|	12.69
35.250	0.00	0.76	12.119	O	|	|	|	|	12.93	40.417	0.00	0.75	11.797	O	|	|	|	|	12.68
35.333	0.00	0.76	12.114	O	|	|	|	|	12.92	40.500	0.00	0.75	11.792	O	|	|	|	|	12.68
35.417	0.00	0.76	12.108	O	|	|	|	|	12.92	40.583	0.00	0.75	11.787	O	|	|	|	|	12.67
35.500	0.00	0.76	12.103	O	|	|	|	|	12.91	40.667	0.00	0.75	11.781	O	|	|	|	|	12.67
35.583	0.00	0.76	12.098	O	|	|	|	|	12.91	40.750	0.00	0.75	11.776	O	|	|	|	|	12.67
35.667	0.00	0.76	12.093	O	|	|	|	|	12.91	40.833	0.00	0.75	11.771	O	|	|	|	|	12.66
35.750	0.00	0.76	12.088	O	|	|	|	|	12.90	40.917	0.00	0.75	11.766	O	|	|	|	|	12.66
35.833	0.00	0.76	12.082	O	|	|	|	|	12.90	41.000	0.00	0.75	11.761	O	|	|	|	|	12.65
35.917	0.00	0.76	12.077	O	|	|	|	|	12.89	41.083	0.00	0.75	11.756	O	|	|	|	|	12.65
36.000	0.00	0.76	12.072	O	|	|	|	|	12.89	41.167	0.00	0.75	11.750	O	|	|	|	|	12.65
36.083	0.00	0.76	12.067	O	|	|	|	|	12.89	41.250	0.00	0.75	11.745	O	|	|	|	|	12.64
36.167	0.00	0.76	12.062	O	|	|	|	|	12.88	41.333	0.00	0.75	11.740	O	|	|	|	|	12.64
36.250	0.00	0.76	12.056	O	|	|	|	|	12.88	41.417	0.00	0.75	11.735	O	|	|	|	|	12.64
36.333	0.00	0.76	12.051	O	|	|	|	|	12.87	41.500	0.00	0.75	11.730	O	|	|	|	|	12.63
36.417	0.00	0.76	12.046	O	|	|	|	|	12.87	41.583	0.00	0.75	11.725	O	|	|	|	|	12.63
36.500	0.00	0.76	12.041	O	|	|	|	|	12.87	41.667	0.00	0.75	11.719	O	|	|	|	|	12.62
36.583	0.00	0.76	12.036	O	|	|	|	|	12.86	41.750	0.00	0.75	11.714	O	|	|	|	|	12.62
36.667	0.00	0.76	12.030	O	|	|	|	|	12.86	41.833	0.00	0.75	11.709	O	|	|	|	|	12.62
36.750	0.00	0.76	12.025	O	|	|	|	|	12.86	41.917	0.00	0.75	11.704	O	|	|	|	|	12.61
36.833	0.00	0.76	12.020	O	|	|	|	|	12.85	42.000	0.00	0.75	11.699	O	|	|	|	|	12.61
36.917	0.00	0.76	12.015	O	|	|	|	|	12.85	42.083	0.00	0.75	11.694	O	|	|	|	|	12.60
37.000	0.00	0.76	12.010	O	|	|	|	|	12.84	42.167	0.00	0.75	11.689	O	|	|	|	|	12.60
37.083	0.00	0.76	12.004	O	|	|	|	|	12.84	42.250	0.00	0.75	11.683	O	|	|	|	|	12.60
37.167	0.00	0.76	11.999	O	|	|	|	|	12.84	42.333	0.00	0.75	11.678	O	|	|	|	|	12.59
37.250	0.00	0.75	11.994	O	|	|	|	|	12.83	42.417	0.00	0.75	11.673	O	|	|	|	|	12.59
37.333	0.00	0.75	11.989	O	|	|	|	|	12.83	42.500	0.00	0.75	11.668	O	|	|	|	|	12.58
37.417	0.00	0.75	11.984	O	|	|	|	|	12.82	42.583	0.00	0.75	11.663	O	|	|	|	|	12.58
37.500	0.00	0.75	11.978	O	|	|	|	|	12.82	42.667	0.00	0.75	11.658	O	|	|	|	|	12.58
37.583	0.00	0.75	11.973	O	|	|	|	|	12.82	42.750	0.00	0.75	11.653	O	|	|	|	|	12.57
37.667	0.00	0.75	11.968	O	|	|	|	|	12.81	42.833	0.00	0.75	11.647	O	|	|	|	|	12.57
37.750	0.00	0.75	11.963	O	|	|	|	|	12.81	42.917	0.00	0.75	11.642	O	|	|	|	|	12.56
37.833	0.00	0.75	11.958	O	|	|	|	|	12.80	43.000	0.00	0.75	11.637	O	|	|	|	|	12.56
37.917	0.00	0.75	11.952	O	|	|	|	|	12.80	43.083	0.00	0.75	11.632	O	|	|	|	|	12.56
38.000	0.00	0.75	11.947	O	|	|	|	|	12.80	43.167	0.00	0.75	11.627	O	|	|	|	|	12.55
38.083	0.00	0.75	11.942	O	|	|	|	|	12.79	43.250	0.00	0.75	11.622	O	|	|	|	|	12.55
38.167	0.00	0.75	11.937	O	|	|	|	|	12.79	43.333	0.00	0.75	11.617	O	|	|	|	|	12.55
38.250	0.00	0.75	11.932	O	|	|	|	|	12.78	43.417	0.00	0.75	11.611	O	|	|	|	|	12.54
38.333	0.00	0.75	11.926	O	|	|	|	|	12.78	43.500	0.00	0.75	11.606	O	|	|	|	|	12.54
38.417	0.00	0.75	11.921	O	|	|	|	|	12.78	43.583	0.00	0.75	11.601	O	|	|	|	|	12.53
38.500	0.00	0.75	11.916	O	|	|	|	|	12.77	43.667	0.00	0.75	11.596	O	|	|	|	|	12.53
38.583	0.00	0.75	11.911	O	|	|	|	|	12.77	43.750	0.00	0.75	11.591	O	|	|	|	|	12.53
38.667	0.00	0.75	11.906	O	|	|	|	|	12.76	43.833	0.00	0.75	11.586	O	|	|	|	|	12.52
38.750	0.00	0.75	11.900	O	|	|	|	|	12.76	43.917	0.00	0.75	11.581	O	|	|	|	|	12.52
38.833	0.00	0.75	11.895	O	|	|	|	|	12.76	44.000	0.00	0.75	11.575	O	|	|	|	|	12.51
38.917	0.00	0.75	11.890	O	|	|	|	|	12.75	44.083	0.00	0.75	11.570	O	|	|	|	|	12.51
39.000	0.00	0.75	11.885	O	|	|	|	|	12.75	44.167	0.00	0.75	11.565	O	|	|	|	|	12.51
39.083	0.00	0.75	11.880	O	|	|	|	|	12.74	44.250	0.00	0.75	11.560	O	|	|	|	|	12.50
39.167	0.00	0.75	11.875	O	|	|	|	|	12.74	44.333	0.00	0.74	11.555	O	|	|	|	|	12.50
39.250	0.00	0.75	11.869	O	|	|	|	|	12.74	44.417	0.00	0.74	11.550	O	|	|	|	|	12.49
39.333	0.00	0.75	11.864	O	|	|	|	|	12.73	44.500	0.00	0.74	11.545	O	|	|	|	|	12.49
39.417	0.00	0.75	11.859	O	|	|	|	|	12.73	44.583	0.00	0.74	11.540	O	|	|	|	|	12.49
39.500	0.00	0.75	11.854	O	|	|	|	|	12.73	44.667	0.00	0.74	11.534	O	|	|	|	|	12.48

44.750	0.00	0.74	11.529	O	|	|	|	|	12.48	49.917	0.00	0.74	11.213	O	|	|	|	|	12.24
44.833	0.00	0.74	11.524	O	|	|	|	|	12.48	50.000	0.00	0.74	11.208	O	|	|	|	|	12.24
44.917	0.00	0.74	11.519	O	|	|	|	|	12.47	50.083	0.00	0.74	11.203	O	|	|	|	|	12.23
45.000	0.00	0.74	11.514	O	|	|	|	|	12.47	50.167	0.00	0.74	11.198	O	|	|	|	|	12.23
45.083	0.00	0.74	11.509	O	|	|	|	|	12.46	50.250	0.00	0.74	11.193	O	|	|	|	|	12.22
45.167	0.00	0.74	11.504	O	|	|	|	|	12.46	50.333	0.00	0.74	11.188	O	|	|	|	|	12.22
45.250	0.00	0.74	11.499	O	|	|	|	|	12.46	50.417	0.00	0.74	11.183	O	|	|	|	|	12.22
45.333	0.00	0.74	11.493	O	|	|	|	|	12.45	50.500	0.00	0.74	11.177	O	|	|	|	|	12.21
45.417	0.00	0.74	11.488	O	|	|	|	|	12.45	50.583	0.00	0.74	11.172	O	|	|	|	|	12.21
45.500	0.00	0.74	11.483	O	|	|	|	|	12.44	50.667	0.00	0.74	11.167	O	|	|	|	|	12.20
45.583	0.00	0.74	11.478	O	|	|	|	|	12.44	50.750	0.00	0.74	11.162	O	|	|	|	|	12.20
45.667	0.00	0.74	11.473	O	|	|	|	|	12.44	50.833	0.00	0.74	11.157	O	|	|	|	|	12.20
45.750	0.00	0.74	11.468	O	|	|	|	|	12.43	50.917	0.00	0.74	11.152	O	|	|	|	|	12.19
45.833	0.00	0.74	11.463	O	|	|	|	|	12.43	51.000	0.00	0.74	11.147	O	|	|	|	|	12.19
45.917	0.00	0.74	11.458	O	|	|	|	|	12.42	51.083	0.00	0.74	11.142	O	|	|	|	|	12.19
46.000	0.00	0.74	11.452	O	|	|	|	|	12.42	51.167	0.00	0.74	11.137	O	|	|	|	|	12.18
46.083	0.00	0.74	11.447	O	|	|	|	|	12.42	51.250	0.00	0.74	11.132	O	|	|	|	|	12.18
46.167	0.00	0.74	11.442	O	|	|	|	|	12.41	51.333	0.00	0.74	11.127	O	|	|	|	|	12.17
46.250	0.00	0.74	11.437	O	|	|	|	|	12.41	51.417	0.00	0.74	11.122	O	|	|	|	|	12.17
46.333	0.00	0.74	11.432	O	|	|	|	|	12.41	51.500	0.00	0.73	11.117	O	|	|	|	|	12.17
46.417	0.00	0.74	11.427	O	|	|	|	|	12.40	51.583	0.00	0.73	11.112	O	|	|	|	|	12.16
46.500	0.00	0.74	11.422	O	|	|	|	|	12.40	51.667	0.00	0.73	11.107	O	|	|	|	|	12.16
46.583	0.00	0.74	11.417	O	|	|	|	|	12.39	51.750	0.00	0.73	11.101	O	|	|	|	|	12.15
46.667	0.00	0.74	11.412	O	|	|	|	|	12.39	51.833	0.00	0.73	11.096	O	|	|	|	|	12.15
46.750	0.00	0.74	11.406	O	|	|	|	|	12.39	51.917	0.00	0.73	11.091	O	|	|	|	|	12.15
46.833	0.00	0.74	11.401	O	|	|	|	|	12.38	52.000	0.00	0.73	11.086	O	|	|	|	|	12.14
46.917	0.00	0.74	11.396	O	|	|	|	|	12.38	52.083	0.00	0.73	11.081	O	|	|	|	|	12.14
47.000	0.00	0.74	11.391	O	|	|	|	|	12.37	52.167	0.00	0.73	11.076	O	|	|	|	|	12.14
47.083	0.00	0.74	11.386	O	|	|	|	|	12.37	52.250	0.00	0.73	11.071	O	|	|	|	|	12.13
47.167	0.00	0.74	11.381	O	|	|	|	|	12.37	52.333	0.00	0.73	11.066	O	|	|	|	|	12.13
47.250	0.00	0.74	11.376	O	|	|	|	|	12.36	52.417	0.00	0.73	11.061	O	|	|	|	|	12.12
47.333	0.00	0.74	11.371	O	|	|	|	|	12.36	52.500	0.00	0.73	11.056	O	|	|	|	|	12.12
47.417	0.00	0.74	11.366	O	|	|	|	|	12.35	52.583	0.00	0.73	11.051	O	|	|	|	|	12.12
47.500	0.00	0.74	11.361	O	|	|	|	|	12.35	52.667	0.00	0.73	11.046	O	|	|	|	|	12.11
47.583	0.00	0.74	11.355	O	|	|	|	|	12.35	52.750	0.00	0.73	11.041	O	|	|	|	|	12.11
47.667	0.00	0.74	11.350	O	|	|	|	|	12.34	52.833	0.00	0.73	11.036	O	|	|	|	|	12.10
47.750	0.00	0.74	11.345	O	|	|	|	|	12.34	52.917	0.00	0.73	11.031	O	|	|	|	|	12.10
47.833	0.00	0.74	11.340	O	|	|	|	|	12.34	53.000	0.00	0.73	11.026	O	|	|	|	|	12.10
47.917	0.00	0.74	11.335	O	|	|	|	|	12.33	53.083	0.00	0.73	11.021	O	|	|	|	|	12.09
48.000	0.00	0.74	11.330	O	|	|	|	|	12.33	53.167	0.00	0.73	11.016	O	|	|	|	|	12.09
48.083	0.00	0.74	11.325	O	|	|	|	|	12.32	53.250	0.00	0.73	11.011	O	|	|	|	|	12.09
48.167	0.00	0.74	11.320	O	|	|	|	|	12.32	53.333	0.00	0.73	11.005	O	|	|	|	|	12.08
48.250	0.00	0.74	11.315	O	|	|	|	|	12.32	53.417	0.00	0.73	11.000	O	|	|	|	|	12.08
48.333	0.00	0.74	11.310	O	|	|	|	|	12.31	53.500	0.00	0.73	10.995	O	|	|	|	|	12.07
48.417	0.00	0.74	11.304	O	|	|	|	|	12.31	53.583	0.00	0.73	10.990	O	|	|	|	|	12.07
48.500	0.00	0.74	11.299	O	|	|	|	|	12.30	53.667	0.00	0.73	10.985	O	|	|	|	|	12.07
48.583	0.00	0.74	11.294	O	|	|	|	|	12.30	53.750	0.00	0.73	10.980	O	|	|	|	|	12.06
48.667	0.00	0.74	11.289	O	|	|	|	|	12.30	53.833	0.00	0.73	10.975	O	|	|	|	|	12.06
48.750	0.00	0.74	11.284	O	|	|	|	|	12.29	53.917	0.00	0.73	10.970	O	|	|	|	|	12.05
48.833	0.00	0.74	11.279	O	|	|	|	|	12.29	54.000	0.00	0.73	10.965	O	|	|	|	|	12.05
48.917	0.00	0.74	11.274	O	|	|	|	|	12.29	54.083	0.00	0.73	10.960	O	|	|	|	|	12.05
49.000	0.00	0.74	11.269	O	|	|	|	|	12.28	54.167	0.00	0.73	10.955	O	|	|	|	|	12.04
49.083	0.00	0.74	11.264	O	|	|	|	|	12.28	54.250	0.00	0.73	10.950	O	|	|	|	|	12.04
49.167	0.00	0.74	11.259	O	|	|	|	|	12.27	54.333	0.00	0.73	10.945	O	|	|	|	|	12.04
49.250	0.00	0.74	11.254	O	|	|	|	|	12.27	54.417	0.00	0.73	10.940	O	|	|	|	|	12.03
49.333	0.00	0.74	11.249	O	|	|	|	|	12.27	54.500	0.00	0.73	10.935	O	|	|	|	|	12.03
49.417	0.00	0.74	11.243	O	|	|	|	|	12.26	54.583	0.00	0.73	10.930	O	|	|	|	|	12.02
49.500	0.00	0.74	11.238	O	|	|	|	|	12.26	54.667	0.00	0.73	10.925	O	|	|	|	|	12.02
49.583	0.00	0.74	11.233	O	|	|	|	|	12.25	54.750	0.00	0.73	10.920	O	|	|	|	|	12.02
49.667	0.00	0.74	11.228	O	|	|	|	|	12.25	54.833	0.00	0.73	10.915	O	|	|	|	|	12.01
49.750	0.00	0.74	11.223	O	|	|	|	|	12.25	54.917	0.00	0.73	10.910	O	|	|	|	|	12.01
49.833	0.00	0.74	11.218	O	|	|	|	|	12.24	55.000	0.00	0.73	10.905	O	|	|	|	|	12.01

55.083	0.00	0.73	10.900	O	|	|	|	|	12.00	60.250	0.00	0.72	10.590	O	|	|	|	|	11.75
55.167	0.00	0.73	10.895	O	|	|	|	|	12.00	60.333	0.00	0.72	10.585	O	|	|	|	|	11.75
55.250	0.00	0.73	10.890	O	|	|	|	|	11.99	60.417	0.00	0.72	10.580	O	|	|	|	|	11.75
55.333	0.00	0.73	10.885	O	|	|	|	|	11.99	60.500	0.00	0.72	10.575	O	|	|	|	|	11.74
55.417	0.00	0.73	10.880	O	|	|	|	|	11.99	60.583	0.00	0.72	10.570	O	|	|	|	|	11.74
55.500	0.00	0.73	10.875	O	|	|	|	|	11.98	60.667	0.00	0.72	10.565	O	|	|	|	|	11.73
55.583	0.00	0.73	10.870	O	|	|	|	|	11.98	60.750	0.00	0.72	10.560	O	|	|	|	|	11.73
55.667	0.00	0.73	10.865	O	|	|	|	|	11.97	60.833	0.00	0.72	10.555	O	|	|	|	|	11.73
55.750	0.00	0.73	10.860	O	|	|	|	|	11.97	60.917	0.00	0.72	10.550	O	|	|	|	|	11.72
55.833	0.00	0.73	10.855	O	|	|	|	|	11.97	61.000	0.00	0.72	10.546	O	|	|	|	|	11.72
55.917	0.00	0.73	10.849	O	|	|	|	|	11.96	61.083	0.00	0.72	10.541	O	|	|	|	|	11.71
56.000	0.00	0.73	10.844	O	|	|	|	|	11.96	61.167	0.00	0.72	10.536	O	|	|	|	|	11.71
56.083	0.00	0.73	10.839	O	|	|	|	|	11.95	61.250	0.00	0.72	10.531	O	|	|	|	|	11.71
56.167	0.00	0.73	10.834	O	|	|	|	|	11.95	61.333	0.00	0.72	10.526	O	|	|	|	|	11.70
56.250	0.00	0.73	10.829	O	|	|	|	|	11.95	61.417	0.00	0.72	10.521	O	|	|	|	|	11.70
56.333	0.00	0.73	10.824	O	|	|	|	|	11.94	61.500	0.00	0.72	10.516	O	|	|	|	|	11.69
56.417	0.00	0.73	10.819	O	|	|	|	|	11.94	61.583	0.00	0.72	10.511	O	|	|	|	|	11.69
56.500	0.00	0.73	10.814	O	|	|	|	|	11.93	61.667	0.00	0.72	10.506	O	|	|	|	|	11.69
56.583	0.00	0.73	10.809	O	|	|	|	|	11.93	61.750	0.00	0.72	10.501	O	|	|	|	|	11.68
56.667	0.00	0.73	10.804	O	|	|	|	|	11.92	61.833	0.00	0.72	10.496	O	|	|	|	|	11.68
56.750	0.00	0.73	10.799	O	|	|	|	|	11.92	61.917	0.00	0.72	10.491	O	|	|	|	|	11.67
56.833	0.00	0.73	10.794	O	|	|	|	|	11.92	62.000	0.00	0.72	10.486	O	|	|	|	|	11.67
56.917	0.00	0.73	10.789	O	|	|	|	|	11.91	62.083	0.00	0.72	10.481	O	|	|	|	|	11.67
57.000	0.00	0.73	10.784	O	|	|	|	|	11.91	62.167	0.00	0.72	10.476	O	|	|	|	|	11.66
57.083	0.00	0.73	10.779	O	|	|	|	|	11.90	62.250	0.00	0.72	10.471	O	|	|	|	|	11.66
57.167	0.00	0.73	10.774	O	|	|	|	|	11.90	62.333	0.00	0.72	10.466	O	|	|	|	|	11.65
57.250	0.00	0.73	10.769	O	|	|	|	|	11.90	62.417	0.00	0.72	10.462	O	|	|	|	|	11.65
57.333	0.00	0.73	10.764	O	|	|	|	|	11.89	62.500	0.00	0.72	10.457	O	|	|	|	|	11.65
57.417	0.00	0.73	10.759	O	|	|	|	|	11.89	62.583	0.00	0.72	10.452	O	|	|	|	|	11.64
57.500	0.00	0.73	10.754	O	|	|	|	|	11.88	62.667	0.00	0.72	10.447	O	|	|	|	|	11.64
57.583	0.00	0.73	10.749	O	|	|	|	|	11.88	62.750	0.00	0.72	10.442	O	|	|	|	|	11.63
57.667	0.00	0.73	10.744	O	|	|	|	|	11.88	62.833	0.00	0.72	10.437	O	|	|	|	|	11.63
57.750	0.00	0.72	10.739	O	|	|	|	|	11.87	62.917	0.00	0.72	10.432	O	|	|	|	|	11.63
57.833	0.00	0.72	10.734	O	|	|	|	|	11.87	63.000	0.00	0.71	10.427	O	|	|	|	|	11.62
57.917	0.00	0.72	10.729	O	|	|	|	|	11.86	63.083	0.00	0.71	10.422	O	|	|	|	|	11.62
58.000	0.00	0.72	10.724	O	|	|	|	|	11.86	63.167	0.00	0.71	10.417	O	|	|	|	|	11.61
58.083	0.00	0.72	10.719	O	|	|	|	|	11.86	63.250	0.00	0.71	10.412	O	|	|	|	|	11.61
58.167	0.00	0.72	10.714	O	|	|	|	|	11.85	63.333	0.00	0.71	10.407	O	|	|	|	|	11.61
58.250	0.00	0.72	10.709	O	|	|	|	|	11.85	63.417	0.00	0.71	10.402	O	|	|	|	|	11.60
58.333	0.00	0.72	10.704	O	|	|	|	|	11.84	63.500	0.00	0.71	10.398	O	|	|	|	|	11.60
58.417	0.00	0.72	10.699	O	|	|	|	|	11.84	63.583	0.00	0.71	10.393	O	|	|	|	|	11.60
58.500	0.00	0.72	10.694	O	|	|	|	|	11.84	63.667	0.00	0.71	10.388	O	|	|	|	|	11.59
58.583	0.00	0.72	10.690	O	|	|	|	|	11.83	63.750	0.00	0.71	10.383	O	|	|	|	|	11.59
58.667	0.00	0.72	10.685	O	|	|	|	|	11.83	63.833	0.00	0.71	10.378	O	|	|	|	|	11.58
58.750	0.00	0.72	10.680	O	|	|	|	|	11.82	63.917	0.00	0.71	10.373	O	|	|	|	|	11.58
58.833	0.00	0.72	10.675	O	|	|	|	|	11.82	64.000	0.00	0.71	10.368	O	|	|	|	|	11.58
58.917	0.00	0.72	10.670	O	|	|	|	|	11.82	64.083	0.00	0.71	10.363	O	|	|	|	|	11.57
59.000	0.00	0.72	10.665	O	|	|	|	|	11.81	64.167	0.00	0.71	10.358	O	|	|	|	|	11.57
59.083	0.00	0.72	10.660	O	|	|	|	|	11.81	64.250	0.00	0.71	10.353	O	|	|	|	|	11.56
59.167	0.00	0.72	10.655	O	|	|	|	|	11.81	64.333	0.00	0.71	10.348	O	|	|	|	|	11.56
59.250	0.00	0.72	10.650	O	|	|	|	|	11.80	64.417	0.00	0.71	10.343	O	|	|	|	|	11.56
59.333	0.00	0.72	10.645	O	|	|	|	|	11.80	64.500	0.00	0.71	10.339	O	|	|	|	|	11.55
59.417	0.00	0.72	10.640	O	|	|	|	|	11.79	64.583	0.00	0.71	10.334	O	|	|	|	|	11.55
59.500	0.00	0.72	10.635	O	|	|	|	|	11.79	64.667	0.00	0.71	10.329	O	|	|	|	|	11.54
59.583	0.00	0.72	10.630	O	|	|	|	|	11.79	64.750	0.00	0.71	10.324	O	|	|	|	|	11.54
59.667	0.00	0.72	10.625	O	|	|	|	|	11.78	64.833	0.00	0.71	10.319	O	|	|	|	|	11.54
59.750	0.00	0.72	10.620	O	|	|	|	|	11.78	64.917	0.00	0.71	10.314	O	|	|	|	|	11.53
59.833	0.00	0.72	10.615	O	|	|	|	|	11.77	65.000	0.00	0.71	10.309	O	|	|	|	|	11.53
59.917	0.00	0.72	10.610	O	|	|	|	|	11.77	65.083	0.00	0.71	10.304	O	|	|	|	|	11.52
60.000	0.00	0.72	10.605	O	|	|	|	|	11.77	65.167	0.00	0.71	10.299	O	|	|	|	|	11.52
60.083	0.00	0.72	10.600	O	|	|	|	|	11.76	65.250	0.00	0.71	10.294	O	|	|	|	|	11.52
60.167	0.00	0.72	10.595	O	|	|	|	|	11.76	65.333	0.00	0.71	10.290	O	|	|	|	|	11.51

65.417	0.00	0.71	10.285	O	|	|	|	|	11.51	70.583	0.00	0.70	9.983	O	|	|	|	|	11.27
65.500	0.00	0.71	10.280	O	|	|	|	|	11.50	70.667	0.00	0.70	9.979	O	|	|	|	|	11.26
65.583	0.00	0.71	10.275	O	|	|	|	|	11.50	70.750	0.00	0.70	9.974	O	|	|	|	|	11.26
65.667	0.00	0.71	10.270	O	|	|	|	|	11.50	70.833	0.00	0.70	9.969	O	|	|	|	|	11.26
65.750	0.00	0.71	10.265	O	|	|	|	|	11.49	70.917	0.00	0.70	9.964	O	|	|	|	|	11.25
65.833	0.00	0.71	10.260	O	|	|	|	|	11.49	71.000	0.00	0.70	9.959	O	|	|	|	|	11.25
65.917	0.00	0.71	10.255	O	|	|	|	|	11.49	71.083	0.00	0.70	9.955	O	|	|	|	|	11.24
66.000	0.00	0.71	10.250	O	|	|	|	|	11.48	71.167	0.00	0.70	9.950	O	|	|	|	|	11.24
66.083	0.00	0.71	10.246	O	|	|	|	|	11.48	71.250	0.00	0.70	9.945	O	|	|	|	|	11.24
66.167	0.00	0.71	10.241	O	|	|	|	|	11.47	71.333	0.00	0.70	9.940	O	|	|	|	|	11.23
66.250	0.00	0.71	10.236	O	|	|	|	|	11.47	71.417	0.00	0.70	9.935	O	|	|	|	|	11.23
66.333	0.00	0.71	10.231	O	|	|	|	|	11.47	71.500	0.00	0.70	9.930	O	|	|	|	|	11.22
66.417	0.00	0.71	10.226	O	|	|	|	|	11.46	71.583	0.00	0.70	9.926	O	|	|	|	|	11.22
66.500	0.00	0.71	10.221	O	|	|	|	|	11.46	71.667	0.00	0.70	9.921	O	|	|	|	|	11.22
66.583	0.00	0.71	10.216	O	|	|	|	|	11.45	71.750	0.00	0.70	9.916	O	|	|	|	|	11.21
66.667	0.00	0.71	10.211	O	|	|	|	|	11.45	71.833	0.00	0.70	9.911	O	|	|	|	|	11.21
66.750	0.00	0.71	10.207	O	|	|	|	|	11.45	71.917	0.00	0.70	9.906	O	|	|	|	|	11.21
66.833	0.00	0.71	10.202	O	|	|	|	|	11.44	72.000	0.00	0.70	9.902	O	|	|	|	|	11.20
66.917	0.00	0.71	10.197	O	|	|	|	|	11.44	72.083	0.00	0.70	9.897	O	|	|	|	|	11.20
67.000	0.00	0.71	10.192	O	|	|	|	|	11.43	72.167	0.00	0.70	9.892	O	|	|	|	|	11.19
67.083	0.00	0.71	10.187	O	|	|	|	|	11.43	72.250	0.00	0.70	9.887	O	|	|	|	|	11.19
67.167	0.00	0.71	10.182	O	|	|	|	|	11.43	72.333	0.00	0.70	9.882	O	|	|	|	|	11.19
67.250	0.00	0.71	10.177	O	|	|	|	|	11.42	72.417	0.00	0.70	9.878	O	|	|	|	|	11.18
67.333	0.00	0.71	10.172	O	|	|	|	|	11.42	72.500	0.00	0.70	9.873	O	|	|	|	|	11.18
67.417	0.00	0.71	10.168	O	|	|	|	|	11.41	72.583	0.00	0.70	9.868	O	|	|	|	|	11.17
67.500	0.00	0.71	10.163	O	|	|	|	|	11.41	72.667	0.00	0.70	9.863	O	|	|	|	|	11.17
67.583	0.00	0.71	10.158	O	|	|	|	|	11.41	72.750	0.00	0.70	9.858	O	|	|	|	|	11.17
67.667	0.00	0.71	10.153	O	|	|	|	|	11.40	72.833	0.00	0.70	9.854	O	|	|	|	|	11.16
67.750	0.00	0.71	10.148	O	|	|	|	|	11.40	72.917	0.00	0.70	9.849	O	|	|	|	|	11.16
67.833	0.00	0.71	10.143	O	|	|	|	|	11.40	73.000	0.00	0.70	9.844	O	|	|	|	|	11.16
67.917	0.00	0.71	10.138	O	|	|	|	|	11.39	73.083	0.00	0.70	9.839	O	|	|	|	|	11.15
68.000	0.00	0.71	10.134	O	|	|	|	|	11.39	73.167	0.00	0.70	9.834	O	|	|	|	|	11.15
68.083	0.00	0.71	10.129	O	|	|	|	|	11.38	73.250	0.00	0.70	9.830	O	|	|	|	|	11.14
68.167	0.00	0.71	10.124	O	|	|	|	|	11.38	73.333	0.00	0.70	9.825	O	|	|	|	|	11.14
68.250	0.00	0.71	10.119	O	|	|	|	|	11.38	73.417	0.00	0.70	9.820	O	|	|	|	|	11.14
68.333	0.00	0.70	10.114	O	|	|	|	|	11.37	73.500	0.00	0.70	9.815	O	|	|	|	|	11.13
68.417	0.00	0.70	10.109	O	|	|	|	|	11.37	73.583	0.00	0.70	9.810	O	|	|	|	|	11.13
68.500	0.00	0.70	10.104	O	|	|	|	|	11.36	73.667	0.00	0.69	9.806	O	|	|	|	|	11.12
68.583	0.00	0.70	10.100	O	|	|	|	|	11.36	73.750	0.00	0.69	9.801	O	|	|	|	|	11.12
68.667	0.00	0.70	10.095	O	|	|	|	|	11.36	73.833	0.00	0.69	9.796	O	|	|	|	|	11.12
68.750	0.00	0.70	10.090	O	|	|	|	|	11.35	73.917	0.00	0.69	9.791	O	|	|	|	|	11.11
68.833	0.00	0.70	10.085	O	|	|	|	|	11.35	74.000	0.00	0.69	9.786	O	|	|	|	|	11.11
68.917	0.00	0.70	10.080	O	|	|	|	|	11.34	74.083	0.00	0.69	9.782	O	|	|	|	|	11.11
69.000	0.00	0.70	10.075	O	|	|	|	|	11.34	74.167	0.00	0.69	9.777	O	|	|	|	|	11.10
69.083	0.00	0.70	10.070	O	|	|	|	|	11.34	74.250	0.00	0.69	9.772	O	|	|	|	|	11.10
69.167	0.00	0.70	10.066	O	|	|	|	|	11.33	74.333	0.00	0.69	9.767	O	|	|	|	|	11.09
69.250	0.00	0.70	10.061	O	|	|	|	|	11.33	74.417	0.00	0.69	9.763	O	|	|	|	|	11.09
69.333	0.00	0.70	10.056	O	|	|	|	|	11.33	74.500	0.00	0.69	9.758	O	|	|	|	|	11.09
69.417	0.00	0.70	10.051	O	|	|	|	|	11.32	74.583	0.00	0.69	9.753	O	|	|	|	|	11.08
69.500	0.00	0.70	10.046	O	|	|	|	|	11.32	74.667	0.00	0.69	9.748	O	|	|	|	|	11.08
69.583	0.00	0.70	10.041	O	|	|	|	|	11.31	74.750	0.00	0.69	9.743	O	|	|	|	|	11.07
69.667	0.00	0.70	10.037	O	|	|	|	|	11.31	74.833	0.00	0.69	9.739	O	|	|	|	|	11.07
69.750	0.00	0.70	10.032	O	|	|	|	|	11.31	74.917	0.00	0.69	9.734	O	|	|	|	|	11.07
69.833	0.00	0.70	10.027	O	|	|	|	|	11.30	75.000	0.00	0.69	9.729	O	|	|	|	|	11.06
69.917	0.00	0.70	10.022	O	|	|	|	|	11.30	75.083	0.00	0.69	9.724	O	|	|	|	|	11.06
70.000	0.00	0.70	10.017	O	|	|	|	|	11.29	75.167	0.00	0.69	9.720	O	|	|	|	|	11.06
70.083	0.00	0.70	10.012	O	|	|	|	|	11.29	75.250	0.00	0.69	9.715	O	|	|	|	|	11.05
70.167	0.00	0.70	10.008	O	|	|	|	|	11.29	75.333	0.00	0.69	9.710	O	|	|	|	|	11.05
70.250	0.00	0.70	10.003	O	|	|	|	|	11.28	75.417	0.00	0.69	9.705	O	|	|	|	|	11.04
70.333	0.00	0.70	9.998	O	|	|	|	|	11.28	75.500	0.00	0.69	9.701	O	|	|	|	|	11.04
70.417	0.00	0.70	9.993	O	|	|	|	|	11.27	75.583	0.00	0.69	9.696	O	|	|	|	|	11.04
70.500	0.00	0.70	9.988	O	|	|	|	|	11.27	75.667	0.00	0.69	9.691	O	|	|	|	|	11.03

75.750	0.00	0.69	9.686	O	|	|	|	|	11.03	80.917	0.00	0.68	9.393	O	|	|	|	|	10.79
75.833	0.00	0.69	9.682	O	|	|	|	|	11.03	81.000	0.00	0.68	9.388	O	|	|	|	|	10.78
75.917	0.00	0.69	9.677	O	|	|	|	|	11.02	81.083	0.00	0.68	9.383	O	|	|	|	|	10.78
76.000	0.00	0.69	9.672	O	|	|	|	|	11.02	81.167	0.00	0.68	9.379	O	|	|	|	|	10.77
76.083	0.00	0.69	9.667	O	|	|	|	|	11.01	81.250	0.00	0.68	9.374	O	|	|	|	|	10.77
76.167	0.00	0.69	9.663	O	|	|	|	|	11.01	81.333	0.00	0.68	9.369	O	|	|	|	|	10.77
76.250	0.00	0.69	9.658	O	|	|	|	|	11.01	81.417	0.00	0.68	9.365	O	|	|	|	|	10.76
76.333	0.00	0.69	9.653	O	|	|	|	|	11.00	81.500	0.00	0.68	9.360	O	|	|	|	|	10.76
76.417	0.00	0.69	9.648	O	|	|	|	|	11.00	81.583	0.00	0.68	9.355	O	|	|	|	|	10.75
76.500	0.00	0.69	9.644	O	|	|	|	|	10.99	81.667	0.00	0.68	9.351	O	|	|	|	|	10.75
76.583	0.00	0.69	9.639	O	|	|	|	|	10.99	81.750	0.00	0.68	9.346	O	|	|	|	|	10.75
76.667	0.00	0.69	9.634	O	|	|	|	|	10.99	81.833	0.00	0.68	9.341	O	|	|	|	|	10.74
76.750	0.00	0.69	9.629	O	|	|	|	|	10.98	81.917	0.00	0.68	9.336	O	|	|	|	|	10.74
76.833	0.00	0.69	9.625	O	|	|	|	|	10.98	82.000	0.00	0.68	9.332	O	|	|	|	|	10.74
76.917	0.00	0.69	9.620	O	|	|	|	|	10.97	82.083	0.00	0.68	9.327	O	|	|	|	|	10.73
77.000	0.00	0.69	9.615	O	|	|	|	|	10.97	82.167	0.00	0.68	9.322	O	|	|	|	|	10.73
77.083	0.00	0.69	9.610	O	|	|	|	|	10.97	82.250	0.00	0.68	9.318	O	|	|	|	|	10.72
77.167	0.00	0.69	9.606	O	|	|	|	|	10.96	82.333	0.00	0.68	9.313	O	|	|	|	|	10.72
77.250	0.00	0.69	9.601	O	|	|	|	|	10.96	82.417	0.00	0.68	9.308	O	|	|	|	|	10.72
77.333	0.00	0.69	9.596	O	|	|	|	|	10.96	82.500	0.00	0.68	9.304	O	|	|	|	|	10.71
77.417	0.00	0.69	9.591	O	|	|	|	|	10.95	82.583	0.00	0.68	9.299	O	|	|	|	|	10.71
77.500	0.00	0.69	9.587	O	|	|	|	|	10.95	82.667	0.00	0.68	9.294	O	|	|	|	|	10.70
77.583	0.00	0.69	9.582	O	|	|	|	|	10.94	82.750	0.00	0.68	9.289	O	|	|	|	|	10.70
77.667	0.00	0.69	9.577	O	|	|	|	|	10.94	82.833	0.00	0.68	9.285	O	|	|	|	|	10.70
77.750	0.00	0.69	9.572	O	|	|	|	|	10.94	82.917	0.00	0.68	9.280	O	|	|	|	|	10.69
77.833	0.00	0.69	9.568	O	|	|	|	|	10.93	83.000	0.00	0.68	9.275	O	|	|	|	|	10.69
77.917	0.00	0.69	9.563	O	|	|	|	|	10.93	83.083	0.00	0.68	9.271	O	|	|	|	|	10.68
78.000	0.00	0.69	9.558	O	|	|	|	|	10.92	83.167	0.00	0.68	9.266	O	|	|	|	|	10.68
78.083	0.00	0.69	9.553	O	|	|	|	|	10.92	83.250	0.00	0.68	9.261	O	|	|	|	|	10.68
78.167	0.00	0.69	9.549	O	|	|	|	|	10.92	83.333	0.00	0.68	9.257	O	|	|	|	|	10.67
78.250	0.00	0.69	9.544	O	|	|	|	|	10.91	83.417	0.00	0.68	9.252	O	|	|	|	|	10.67
78.333	0.00	0.69	9.539	O	|	|	|	|	10.91	83.500	0.00	0.68	9.247	O	|	|	|	|	10.66
78.417	0.00	0.69	9.534	O	|	|	|	|	10.90	83.583	0.00	0.68	9.243	O	|	|	|	|	10.66
78.500	0.00	0.69	9.530	O	|	|	|	|	10.90	83.667	0.00	0.68	9.238	O	|	|	|	|	10.66
78.583	0.00	0.69	9.525	O	|	|	|	|	10.90	83.750	0.00	0.68	9.233	O	|	|	|	|	10.65
78.667	0.00	0.69	9.520	O	|	|	|	|	10.89	83.833	0.00	0.68	9.229	O	|	|	|	|	10.65
78.750	0.00	0.69	9.516	O	|	|	|	|	10.89	83.917	0.00	0.68	9.224	O	|	|	|	|	10.65
78.833	0.00	0.69	9.511	O	|	|	|	|	10.88	84.000	0.00	0.68	9.219	O	|	|	|	|	10.64
78.917	0.00	0.69	9.506	O	|	|	|	|	10.88	84.083	0.00	0.68	9.215	O	|	|	|	|	10.64
79.000	0.00	0.69	9.501	O	|	|	|	|	10.88	84.167	0.00	0.68	9.210	O	|	|	|	|	10.63
79.083	0.00	0.69	9.497	O	|	|	|	|	10.87	84.250	0.00	0.68	9.205	O	|	|	|	|	10.63
79.167	0.00	0.69	9.492	O	|	|	|	|	10.87	84.333	0.00	0.68	9.201	O	|	|	|	|	10.63
79.250	0.00	0.69	9.487	O	|	|	|	|	10.86	84.417	0.00	0.68	9.196	O	|	|	|	|	10.62
79.333	0.00	0.69	9.482	O	|	|	|	|	10.86	84.500	0.00	0.68	9.191	O	|	|	|	|	10.62
79.417	0.00	0.69	9.478	O	|	|	|	|	10.86	84.583	0.00	0.68	9.186	O	|	|	|	|	10.61
79.500	0.00	0.69	9.473	O	|	|	|	|	10.85	84.667	0.00	0.68	9.182	O	|	|	|	|	10.61
79.583	0.00	0.69	9.468	O	|	|	|	|	10.85	84.750	0.00	0.68	9.177	O	|	|	|	|	10.61
79.667	0.00	0.69	9.464	O	|	|	|	|	10.84	84.833	0.00	0.68	9.172	O	|	|	|	|	10.60
79.750	0.00	0.69	9.459	O	|	|	|	|	10.84	84.917	0.00	0.68	9.168	O	|	|	|	|	10.60
79.833	0.00	0.69	9.454	O	|	|	|	|	10.84	85.000	0.00	0.68	9.163	O	|	|	|	|	10.59
79.917	0.00	0.68	9.449	O	|	|	|	|	10.83	85.083	0.00	0.68	9.158	O	|	|	|	|	10.59
80.000	0.00	0.68	9.445	O	|	|	|	|	10.83	85.167	0.00	0.68	9.154	O	|	|	|	|	10.59
80.083	0.00	0.68	9.440	O	|	|	|	|	10.83	85.250	0.00	0.68	9.149	O	|	|	|	|	10.58
80.167	0.00	0.68	9.435	O	|	|	|	|	10.82	85.333	0.00	0.68	9.144	O	|	|	|	|	10.58
80.250	0.00	0.68	9.431	O	|	|	|	|	10.82	85.417	0.00	0.68	9.140	O	|	|	|	|	10.58
80.333	0.00	0.68	9.426	O	|	|	|	|	10.81	85.500	0.00	0.68	9.135	O	|	|	|	|	10.57
80.417	0.00	0.68	9.421	O	|	|	|	|	10.81	85.583	0.00	0.68	9.130	O	|	|	|	|	10.57
80.500	0.00	0.68	9.416	O	|	|	|	|	10.81	85.667	0.00	0.68	9.126	O	|	|	|	|	10.56
80.583	0.00	0.68	9.412	O	|	|	|	|	10.80	85.750	0.00	0.68	9.121	O	|	|	|	|	10.56
80.667	0.00	0.68	9.407	O	|	|	|	|	10.80	85.833	0.00	0.68	9.116	O	|	|	|	|	10.56
80.750	0.00	0.68	9.402	O	|	|	|	|	10.79	85.917	0.00	0.68	9.112	O	|	|	|	|	10.55
80.833	0.00	0.68	9.398	O	|	|	|	|	10.79	86.000	0.00	0.68	9.107	O	|	|	|	|	10.55

86.083	0.00	0.68	9.103	O	|	|	|	|	10.54	91.250	0.00	0.67	8.815	O	|	|	|	|	10.31
86.167	0.00	0.68	9.098	O	|	|	|	|	10.54	91.333	0.00	0.67	8.811	O	|	|	|	|	10.30
86.250	0.00	0.68	9.093	O	|	|	|	|	10.54	91.417	0.00	0.67	8.806	O	|	|	|	|	10.30
86.333	0.00	0.68	9.089	O	|	|	|	|	10.53	91.500	0.00	0.67	8.801	O	|	|	|	|	10.29
86.417	0.00	0.68	9.084	O	|	|	|	|	10.53	91.583	0.00	0.67	8.797	O	|	|	|	|	10.29
86.500	0.00	0.68	9.079	O	|	|	|	|	10.53	91.667	0.00	0.67	8.792	O	|	|	|	|	10.29
86.583	0.00	0.68	9.075	O	|	|	|	|	10.52	91.750	0.00	0.67	8.788	O	|	|	|	|	10.28
86.667	0.00	0.68	9.070	O	|	|	|	|	10.52	91.833	0.00	0.67	8.783	O	|	|	|	|	10.28
86.750	0.00	0.68	9.065	O	|	|	|	|	10.51	91.917	0.00	0.67	8.778	O	|	|	|	|	10.27
86.833	0.00	0.68	9.061	O	|	|	|	|	10.51	92.000	0.00	0.67	8.774	O	|	|	|	|	10.27
86.917	0.00	0.68	9.056	O	|	|	|	|	10.51	92.083	0.00	0.67	8.769	O	|	|	|	|	10.27
87.000	0.00	0.68	9.051	O	|	|	|	|	10.50	92.167	0.00	0.67	8.765	O	|	|	|	|	10.26
87.083	0.00	0.67	9.047	O	|	|	|	|	10.50	92.250	0.00	0.67	8.760	O	|	|	|	|	10.26
87.167	0.00	0.67	9.042	O	|	|	|	|	10.49	92.333	0.00	0.67	8.755	O	|	|	|	|	10.26
87.250	0.00	0.67	9.037	O	|	|	|	|	10.49	92.417	0.00	0.67	8.751	O	|	|	|	|	10.25
87.333	0.00	0.67	9.033	O	|	|	|	|	10.49	92.500	0.00	0.67	8.746	O	|	|	|	|	10.25
87.417	0.00	0.67	9.028	O	|	|	|	|	10.48	92.583	0.00	0.67	8.742	O	|	|	|	|	10.24
87.500	0.00	0.67	9.023	O	|	|	|	|	10.48	92.667	0.00	0.67	8.737	O	|	|	|	|	10.24
87.583	0.00	0.67	9.019	O	|	|	|	|	10.47	92.750	0.00	0.67	8.732	O	|	|	|	|	10.24
87.667	0.00	0.67	9.014	O	|	|	|	|	10.47	92.833	0.00	0.67	8.728	O	|	|	|	|	10.23
87.750	0.00	0.67	9.010	O	|	|	|	|	10.47	92.917	0.00	0.67	8.723	O	|	|	|	|	10.23
87.833	0.00	0.67	9.005	O	|	|	|	|	10.46	93.000	0.00	0.67	8.719	O	|	|	|	|	10.23
87.917	0.00	0.67	9.000	O	|	|	|	|	10.46	93.083	0.00	0.67	8.714	O	|	|	|	|	10.22
88.000	0.00	0.67	8.996	O	|	|	|	|	10.46	93.167	0.00	0.67	8.709	O	|	|	|	|	10.22
88.083	0.00	0.67	8.991	O	|	|	|	|	10.45	93.250	0.00	0.67	8.705	O	|	|	|	|	10.21
88.167	0.00	0.67	8.986	O	|	|	|	|	10.45	93.333	0.00	0.67	8.700	O	|	|	|	|	10.21
88.250	0.00	0.67	8.982	O	|	|	|	|	10.44	93.417	0.00	0.67	8.696	O	|	|	|	|	10.21
88.333	0.00	0.67	8.977	O	|	|	|	|	10.44	93.500	0.00	0.67	8.691	O	|	|	|	|	10.20
88.417	0.00	0.67	8.972	O	|	|	|	|	10.44	93.583	0.00	0.67	8.687	O	|	|	|	|	10.20
88.500	0.00	0.67	8.968	O	|	|	|	|	10.43	93.667	0.00	0.67	8.682	O	|	|	|	|	10.19
88.583	0.00	0.67	8.963	O	|	|	|	|	10.43	93.750	0.00	0.67	8.677	O	|	|	|	|	10.19
88.667	0.00	0.67	8.958	O	|	|	|	|	10.42	93.833	0.00	0.67	8.673	O	|	|	|	|	10.19
88.750	0.00	0.67	8.954	O	|	|	|	|	10.42	93.917	0.00	0.67	8.668	O	|	|	|	|	10.18
88.833	0.00	0.67	8.949	O	|	|	|	|	10.42	94.000	0.00	0.67	8.664	O	|	|	|	|	10.18
88.917	0.00	0.67	8.945	O	|	|	|	|	10.41	94.083	0.00	0.67	8.659	O	|	|	|	|	10.18
89.000	0.00	0.67	8.940	O	|	|	|	|	10.41	94.167	0.00	0.67	8.654	O	|	|	|	|	10.17
89.083	0.00	0.67	8.935	O	|	|	|	|	10.41	94.250	0.00	0.67	8.650	O	|	|	|	|	10.17
89.167	0.00	0.67	8.931	O	|	|	|	|	10.40	94.333	0.00	0.66	8.645	O	|	|	|	|	10.16
89.250	0.00	0.67	8.926	O	|	|	|	|	10.40	94.417	0.00	0.66	8.641	O	|	|	|	|	10.16
89.333	0.00	0.67	8.921	O	|	|	|	|	10.39	94.500	0.00	0.66	8.636	O	|	|	|	|	10.16
89.417	0.00	0.67	8.917	O	|	|	|	|	10.39	94.583	0.00	0.66	8.632	O	|	|	|	|	10.15
89.500	0.00	0.67	8.912	O	|	|	|	|	10.39	94.667	0.00	0.66	8.627	O	|	|	|	|	10.15
89.583	0.00	0.67	8.908	O	|	|	|	|	10.38	94.750	0.00	0.66	8.622	O	|	|	|	|	10.15
89.667	0.00	0.67	8.903	O	|	|	|	|	10.38	94.833	0.00	0.66	8.618	O	|	|	|	|	10.14
89.750	0.00	0.67	8.898	O	|	|	|	|	10.37	94.917	0.00	0.66	8.613	O	|	|	|	|	10.14
89.833	0.00	0.67	8.894	O	|	|	|	|	10.37	95.000	0.00	0.66	8.609	O	|	|	|	|	10.13
89.917	0.00	0.67	8.889	O	|	|	|	|	10.37	95.083	0.00	0.66	8.604	O	|	|	|	|	10.13
90.000	0.00	0.67	8.884	O	|	|	|	|	10.36	95.167	0.00	0.66	8.600	O	|	|	|	|	10.13
90.083	0.00	0.67	8.880	O	|	|	|	|	10.36	95.250	0.00	0.66	8.595	O	|	|	|	|	10.12
90.167	0.00	0.67	8.875	O	|	|	|	|	10.36	95.333	0.00	0.66	8.590	O	|	|	|	|	10.12
90.250	0.00	0.67	8.871	O	|	|	|	|	10.35	95.417	0.00	0.66	8.586	O	|	|	|	|	10.11
90.333	0.00	0.67	8.866	O	|	|	|	|	10.35	95.500	0.00	0.66	8.581	O	|	|	|	|	10.11
90.417	0.00	0.67	8.861	O	|	|	|	|	10.34	95.583	0.00	0.66	8.577	O	|	|	|	|	10.11
90.500	0.00	0.67	8.857	O	|	|	|	|	10.34	95.667	0.00	0.66	8.572	O	|	|	|	|	10.10
90.583	0.00	0.67	8.852	O	|	|	|	|	10.34	95.750	0.00	0.66	8.568	O	|	|	|	|	10.10
90.667	0.00	0.67	8.848	O	|	|	|	|	10.33	95.833	0.00	0.66	8.563	O	|	|	|	|	10.10
90.750	0.00	0.67	8.843	O	|	|	|	|	10.33	95.917	0.00	0.66	8.558	O	|	|	|	|	10.09
90.833	0.00	0.67	8.838	O	|	|	|	|	10.32	96.000	0.00	0.66	8.554	O	|	|	|	|	10.09
90.917	0.00	0.67	8.834	O	|	|	|	|	10.32	96.083	0.00	0.66	8.549	O	|	|	|	|	10.08
91.000	0.00	0.67	8.829	O	|	|	|	|	10.32	96.167	0.00	0.66	8.545	O	|	|	|	|	10.08
91.083	0.00	0.67	8.824	O	|	|	|	|	10.31	96.250	0.00	0.66	8.540	O	|	|	|	|	10.08
91.167	0.00	0.67	8.820	O	|	|	|	|	10.31	96.333	0.00	0.66	8.536	O	|	|	|	|	10.07

96.417	0.00	0.66	8.531	O					10.07	101.583	0.00	0.65	8.250	O					9.82
96.500	0.00	0.66	8.526	O					10.07	101.667	0.00	0.65	8.245	O					9.82
96.583	0.00	0.66	8.522	O					10.06	101.750	0.00	0.65	8.241	O					9.82
96.667	0.00	0.66	8.517	O					10.06	101.833	0.00	0.65	8.236	O					9.81
96.750	0.00	0.66	8.513	O					10.05	101.917	0.00	0.65	8.232	O					9.81
96.833	0.00	0.66	8.508	O					10.05	102.000	0.00	0.65	8.227	O					9.80
96.917	0.00	0.66	8.504	O					10.05	102.083	0.00	0.65	8.223	O					9.80
97.000	0.00	0.66	8.499	O					10.04	102.167	0.00	0.65	8.218	O					9.80
97.083	0.00	0.66	8.495	O					10.04	102.250	0.00	0.65	8.214	O					9.79
97.167	0.00	0.66	8.490	O					10.03	102.333	0.00	0.65	8.209	O					9.79
97.250	0.00	0.66	8.485	O					10.03	102.417	0.00	0.65	8.205	O					9.78
97.333	0.00	0.66	8.481	O					10.03	102.500	0.00	0.65	8.200	O					9.78
97.417	0.00	0.66	8.476	O					10.02	102.583	0.00	0.65	8.196	O					9.78
97.500	0.00	0.66	8.472	O					10.02	102.667	0.00	0.65	8.191	O					9.77
97.583	0.00	0.66	8.467	O					10.02	102.750	0.00	0.65	8.187	O					9.77
97.667	0.00	0.66	8.463	O					10.01	102.833	0.00	0.65	8.182	O					9.76
97.750	0.00	0.66	8.458	O					10.01	102.917	0.00	0.65	8.178	O					9.76
97.833	0.00	0.66	8.454	O					10.00	103.000	0.00	0.65	8.173	O					9.76
97.917	0.00	0.66	8.449	O					10.00	103.083	0.00	0.65	8.169	O					9.75
98.000	0.00	0.66	8.445	O					10.00	103.167	0.00	0.65	8.164	O					9.75
98.083	0.00	0.66	8.440	O					9.99	103.250	0.00	0.65	8.160	O					9.75
98.167	0.00	0.66	8.435	O					9.99	103.333	0.00	0.65	8.155	O					9.74
98.250	0.00	0.66	8.431	O					9.98	103.417	0.00	0.65	8.151	O					9.74
98.333	0.00	0.66	8.426	O					9.98	103.500	0.00	0.65	8.146	O					9.73
98.417	0.00	0.66	8.422	O					9.98	103.583	0.00	0.65	8.142	O					9.73
98.500	0.00	0.66	8.417	O					9.97	103.667	0.00	0.65	8.137	O					9.73
98.583	0.00	0.66	8.413	O					9.97	103.750	0.00	0.65	8.133	O					9.72
98.667	0.00	0.66	8.408	O					9.96	103.833	0.00	0.65	8.128	O					9.72
98.750	0.00	0.66	8.404	O					9.96	103.917	0.00	0.65	8.124	O					9.71
98.833	0.00	0.66	8.399	O					9.96	104.000	0.00	0.65	8.119	O					9.71
98.917	0.00	0.66	8.395	O					9.95	104.083	0.00	0.65	8.115	O					9.71
99.000	0.00	0.66	8.390	O					9.95	104.167	0.00	0.65	8.110	O					9.70
99.083	0.00	0.66	8.386	O					9.94	104.250	0.00	0.65	8.106	O					9.70
99.167	0.00	0.66	8.381	O					9.94	104.333	0.00	0.65	8.102	O					9.69
99.250	0.00	0.66	8.376	O					9.94	104.417	0.00	0.65	8.097	O					9.69
99.333	0.00	0.66	8.372	O					9.93	104.500	0.00	0.65	8.093	O					9.69
99.417	0.00	0.66	8.367	O					9.93	104.583	0.00	0.65	8.088	O					9.68
99.500	0.00	0.66	8.363	O					9.92	104.667	0.00	0.65	8.084	O					9.68
99.583	0.00	0.66	8.358	O					9.92	104.750	0.00	0.65	8.079	O					9.67
99.667	0.00	0.66	8.354	O					9.92	104.833	0.00	0.65	8.075	O					9.67
99.750	0.00	0.66	8.349	O					9.91	104.917	0.00	0.65	8.070	O					9.67
99.833	0.00	0.66	8.345	O					9.91	105.000	0.00	0.65	8.066	O					9.66
99.917	0.00	0.66	8.340	O					9.90	105.083	0.00	0.65	8.061	O					9.66
100.000	0.00	0.66	8.336	O					9.90	105.167	0.00	0.65	8.057	O					9.65
100.083	0.00	0.66	8.331	O					9.90	105.250	0.00	0.65	8.052	O					9.65
100.167	0.00	0.66	8.327	O					9.89	105.333	0.00	0.65	8.048	O					9.65
100.250	0.00	0.66	8.322	O					9.89	105.417	0.00	0.65	8.043	O					9.64
100.333	0.00	0.66	8.318	O					9.88	105.500	0.00	0.65	8.039	O					9.64
100.417	0.00	0.66	8.313	O					9.88	105.583	0.00	0.65	8.034	O					9.63
100.500	0.00	0.66	8.309	O					9.88	105.667	0.00	0.65	8.030	O					9.63
100.583	0.00	0.66	8.304	O					9.87	105.750	0.00	0.65	8.025	O					9.63
100.667	0.00	0.66	8.300	O					9.87	105.833	0.00	0.65	8.021	O					9.62
100.750	0.00	0.66	8.295	O					9.86	105.917	0.00	0.65	8.017	O					9.62
100.833	0.00	0.66	8.290	O					9.86	106.000	0.00	0.65	8.012	O					9.61
100.917	0.00	0.66	8.286	O					9.86	106.083	0.00	0.65	8.008	O					9.61
101.000	0.00	0.66	8.281	O					9.85	106.167	0.00	0.65	8.003	O					9.61
101.083	0.00	0.66	8.277	O					9.85	106.250	0.00	0.65	7.999	O					9.60
101.167	0.00	0.66	8.272	O					9.84	106.333	0.00	0.65	7.994	O					9.60
101.250	0.00	0.66	8.268	O					9.84	106.417	0.00	0.65	7.990	O					9.59
101.333	0.00	0.66	8.263	O					9.84	106.500	0.00	0.65	7.985	O					9.59
101.417	0.00	0.65	8.259	O					9.83	106.583	0.00	0.65	7.981	O					9.59
101.500	0.00	0.65	8.254	O					9.83	106.667	0.00	0.65	7.976	O					9.58

106.750	0.00	0.65	7.972	O					9.58	111.917	0.00	0.64	7.697	O					9.34
106.833	0.00	0.65	7.967	O					9.57	112.000	0.00	0.64	7.693	O					9.33
106.917	0.00	0.65	7.963	O					9.57	112.083	0.00	0.64	7.688	O					9.33
107.000	0.00	0.65	7.959	O					9.57	112.167	0.00	0.64	7.684	O					9.32
107.083	0.00	0.65	7.954	O					9.56	112.250	0.00	0.64	7.679	O					9.32
107.167	0.00	0.65	7.950	O					9.56	112.333	0.00	0.64	7.675	O					9.32
107.250	0.00	0.65	7.945	O					9.55	112.417	0.00	0.64	7.671	O					9.31
107.333	0.00	0.65	7.941	O					9.55	112.500	0.00	0.64	7.666	O					9.31
107.417	0.00	0.65	7.936	O					9.55	112.583	0.00	0.64	7.662	O					9.30
107.500	0.00	0.65	7.932	O					9.54	112.667	0.00	0.64	7.657	O					9.30
107.583	0.00	0.65	7.927	O					9.54	112.750	0.00	0.64	7.653	O					9.30
107.667	0.00	0.65	7.923	O					9.54	112.833	0.00	0.64	7.649	O					9.29
107.750	0.00	0.65	7.918	O					9.53	112.917	0.00	0.64	7.644	O					9.29
107.833	0.00	0.65	7.914	O					9.53	113.000	0.00	0.64	7.640	O					9.28
107.917	0.00	0.65	7.910	O					9.52	113.083	0.00	0.64	7.635	O					9.28
108.000	0.00	0.65	7.905	O					9.52	113.167	0.00	0.64	7.631	O					9.28
108.083	0.00	0.65	7.901	O					9.52	113.250	0.00	0.64	7.627	O					9.27
108.167	0.00	0.65	7.896	O					9.51	113.333	0.00	0.64	7.622	O					9.27
108.250	0.00	0.65	7.892	O					9.51	113.417	0.00	0.64	7.618	O					9.27
108.333	0.00	0.65	7.887	O					9.50	113.500	0.00	0.64	7.613	O					9.26
108.417	0.00	0.64	7.883	O					9.50	113.583	0.00	0.64	7.609	O					9.26
108.500	0.00	0.64	7.878	O					9.50	113.667	0.00	0.64	7.605	O					9.25
108.583	0.00	0.64	7.874	O					9.49	113.750	0.00	0.64	7.600	O					9.25
108.667	0.00	0.64	7.870	O					9.49	113.833	0.00	0.64	7.596	O					9.25
108.750	0.00	0.64	7.865	O					9.48	113.917	0.00	0.64	7.591	O					9.24
108.833	0.00	0.64	7.861	O					9.48	114.000	0.00	0.64	7.587	O					9.24
108.917	0.00	0.64	7.856	O					9.48	114.083	0.00	0.64	7.583	O					9.23
109.000	0.00	0.64	7.852	O					9.47	114.167	0.00	0.64	7.578	O					9.23
109.083	0.00	0.64	7.847	O					9.47	114.250	0.00	0.64	7.574	O					9.23
109.167	0.00	0.64	7.843	O					9.46	114.333	0.00	0.64	7.570	O					9.22
109.250	0.00	0.64	7.838	O					9.46	114.417	0.00	0.64	7.565	O					9.22
109.333	0.00	0.64	7.834	O					9.46	114.500	0.00	0.64	7.561	O					9.21
109.417	0.00	0.64	7.830	O					9.45	114.583	0.00	0.64	7.556	O					9.21
109.500	0.00	0.64	7.825	O					9.45	114.667	0.00	0.64	7.552	O					9.21
109.583	0.00	0.64	7.821	O					9.44	114.750	0.00	0.64	7.548	O					9.20
109.667	0.00	0.64	7.816	O					9.44	114.833	0.00	0.64	7.543	O					9.20
109.750	0.00	0.64	7.812	O					9.44	114.917	0.00	0.64	7.539	O					9.20
109.833	0.00	0.64	7.807	O					9.43	115.000	0.00	0.64	7.534	O					9.19
109.917	0.00	0.64	7.803	O					9.43	115.083	0.00	0.64	7.530	O					9.19
110.000	0.00	0.64	7.799	O					9.43	115.167	0.00	0.64	7.526	O					9.18
110.083	0.00	0.64	7.794	O					9.42	115.250	0.00	0.64	7.521	O					9.18
110.167	0.00	0.64	7.790	O					9.42	115.333	0.00	0.64	7.517	O					9.18
110.250	0.00	0.64	7.785	O					9.41	115.417	0.00	0.64	7.513	O					9.17
110.333	0.00	0.64	7.781	O					9.41	115.500	0.00	0.64	7.508	O					9.17
110.417	0.00	0.64	7.777	O					9.41	115.583	0.00	0.63	7.504	O					9.16
110.500	0.00	0.64	7.772	O					9.40	115.667	0.00	0.63	7.499	O					9.16
110.583	0.00	0.64	7.768	O					9.40	115.750	0.00	0.63	7.495	O					9.16
110.667	0.00	0.64	7.763	O					9.39	115.833	0.00	0.63	7.491	O					9.15
110.750	0.00	0.64	7.759	O					9.39	115.917	0.00	0.63	7.486	O					9.15
110.833	0.00	0.64	7.754	O					9.39	116.000	0.00	0.63	7.482	O					9.15
110.917	0.00	0.64	7.750	O					9.38	116.083	0.00	0.63	7.478	O					9.14
111.000	0.00	0.64	7.746	O					9.38	116.167	0.00	0.63	7.473	O					9.14
111.083	0.00	0.64	7.741	O					9.37	116.250	0.00	0.63	7.469	O					9.13
111.167	0.00	0.64	7.737	O					9.37	116.333	0.00	0.63	7.465	O					9.13
111.250	0.00	0.64	7.732	O					9.37	116.417	0.00	0.63	7.460	O					9.13
111.333	0.00	0.64	7.728	O					9.36	116.500	0.00	0.63	7.456	O					9.12
111.417	0.00	0.64	7.723	O					9.36	116.583	0.00	0.63	7.451	O					9.12
111.500	0.00	0.64	7.719	O					9.35	116.667	0.00	0.63	7.447	O					9.11
111.583	0.00	0.64	7.715	O					9.35	116.750	0.00	0.63	7.443	O					9.11
111.667	0.00	0.64	7.710	O					9.35	116.833	0.00	0.63	7.438	O					9.11
111.750	0.00	0.64	7.706	O					9.34	116.917	0.00	0.63	7.434	O					9.10
111.833	0.00	0.64	7.701	O					9.34	117.000	0.00	0.63	7.430	O					9.10

117.083	0.00	0.63	7.425	O	|	|	|	|	9.09	122.250	0.00	0.62	7.157	O	|	|	|	|	8.85
117.167	0.00	0.63	7.421	O	|	|	|	|	9.09	122.333	0.00	0.62	7.152	O	|	|	|	|	8.84
117.250	0.00	0.63	7.417	O	|	|	|	|	9.09	122.417	0.00	0.62	7.148	O	|	|	|	|	8.84
117.333	0.00	0.63	7.412	O	|	|	|	|	9.08	122.500	0.00	0.62	7.144	O	|	|	|	|	8.84
117.417	0.00	0.63	7.408	O	|	|	|	|	9.08	122.583	0.00	0.62	7.140	O	|	|	|	|	8.83
117.500	0.00	0.63	7.403	O	|	|	|	|	9.08	122.667	0.00	0.62	7.135	O	|	|	|	|	8.83
117.583	0.00	0.63	7.399	O	|	|	|	|	9.07	122.750	0.00	0.62	7.131	O	|	|	|	|	8.82
117.667	0.00	0.63	7.395	O	|	|	|	|	9.07	122.833	0.00	0.62	7.127	O	|	|	|	|	8.82
117.750	0.00	0.63	7.390	O	|	|	|	|	9.06	122.917	0.00	0.62	7.122	O	|	|	|	|	8.82
117.833	0.00	0.63	7.386	O	|	|	|	|	9.06	123.000	0.00	0.62	7.118	O	|	|	|	|	8.81
117.917	0.00	0.63	7.382	O	|	|	|	|	9.06	123.083	0.00	0.62	7.114	O	|	|	|	|	8.81
118.000	0.00	0.63	7.377	O	|	|	|	|	9.05	123.167	0.00	0.62	7.110	O	|	|	|	|	8.80
118.083	0.00	0.63	7.373	O	|	|	|	|	9.05	123.250	0.00	0.62	7.105	O	|	|	|	|	8.80
118.167	0.00	0.63	7.369	O	|	|	|	|	9.04	123.333	0.00	0.62	7.101	O	|	|	|	|	8.80
118.250	0.00	0.63	7.364	O	|	|	|	|	9.04	123.417	0.00	0.62	7.097	O	|	|	|	|	8.79
118.333	0.00	0.63	7.360	O	|	|	|	|	9.04	123.500	0.00	0.62	7.092	O	|	|	|	|	8.79
118.417	0.00	0.63	7.356	O	|	|	|	|	9.03	123.583	0.00	0.62	7.088	O	|	|	|	|	8.78
118.500	0.00	0.63	7.351	O	|	|	|	|	9.03	123.667	0.00	0.62	7.084	O	|	|	|	|	8.78
118.583	0.00	0.63	7.347	O	|	|	|	|	9.03	123.750	0.00	0.62	7.080	O	|	|	|	|	8.78
118.667	0.00	0.63	7.343	O	|	|	|	|	9.02	123.833	0.00	0.62	7.075	O	|	|	|	|	8.77
118.750	0.00	0.63	7.338	O	|	|	|	|	9.02	123.917	0.00	0.62	7.071	O	|	|	|	|	8.77
118.833	0.00	0.63	7.334	O	|	|	|	|	9.01	124.000	0.00	0.62	7.067	O	|	|	|	|	8.76
118.917	0.00	0.63	7.330	O	|	|	|	|	9.01	124.083	0.00	0.62	7.063	O	|	|	|	|	8.76
119.000	0.00	0.63	7.325	O	|	|	|	|	9.01	124.167	0.00	0.62	7.058	O	|	|	|	|	8.76
119.083	0.00	0.63	7.321	O	|	|	|	|	9.00	124.250	0.00	0.62	7.054	O	|	|	|	|	8.75
119.167	0.00	0.63	7.317	O	|	|	|	|	9.00	124.333	0.00	0.62	7.050	O	|	|	|	|	8.75
119.250	0.00	0.63	7.312	O	|	|	|	|	8.99	124.417	0.00	0.62	7.045	O	|	|	|	|	8.74
119.333	0.00	0.63	7.308	O	|	|	|	|	8.99	124.500	0.00	0.62	7.041	O	|	|	|	|	8.74
119.417	0.00	0.63	7.304	O	|	|	|	|	8.99	124.583	0.00	0.62	7.037	O	|	|	|	|	8.74
119.500	0.00	0.63	7.299	O	|	|	|	|	8.98	124.667	0.00	0.62	7.033	O	|	|	|	|	8.73
119.583	0.00	0.63	7.295	O	|	|	|	|	8.98	124.750	0.00	0.62	7.028	O	|	|	|	|	8.73
119.667	0.00	0.63	7.291	O	|	|	|	|	8.97	124.833	0.00	0.62	7.024	O	|	|	|	|	8.72
119.750	0.00	0.63	7.286	O	|	|	|	|	8.97	124.917	0.00	0.62	7.020	O	|	|	|	|	8.72
119.833	0.00	0.63	7.282	O	|	|	|	|	8.97	125.000	0.00	0.62	7.016	O	|	|	|	|	8.71
119.917	0.00	0.63	7.278	O	|	|	|	|	8.96	125.083	0.00	0.62	7.011	O	|	|	|	|	8.71
120.000	0.00	0.63	7.273	O	|	|	|	|	8.96	125.167	0.00	0.62	7.007	O	|	|	|	|	8.71
120.083	0.00	0.63	7.269	O	|	|	|	|	8.95	125.250	0.00	0.62	7.003	O	|	|	|	|	8.70
120.167	0.00	0.63	7.265	O	|	|	|	|	8.95	125.333	0.00	0.62	6.999	O	|	|	|	|	8.70
120.250	0.00	0.63	7.260	O	|	|	|	|	8.95	125.417	0.00	0.62	6.994	O	|	|	|	|	8.69
120.333	0.00	0.63	7.256	O	|	|	|	|	8.94	125.500	0.00	0.62	6.990	O	|	|	|	|	8.69
120.417	0.00	0.63	7.252	O	|	|	|	|	8.94	125.583	0.00	0.62	6.986	O	|	|	|	|	8.69
120.500	0.00	0.63	7.247	O	|	|	|	|	8.93	125.667	0.00	0.62	6.982	O	|	|	|	|	8.68
120.583	0.00	0.63	7.243	O	|	|	|	|	8.93	125.750	0.00	0.62	6.977	O	|	|	|	|	8.68
120.667	0.00	0.63	7.239	O	|	|	|	|	8.93	125.833	0.00	0.62	6.973	O	|	|	|	|	8.67
120.750	0.00	0.63	7.234	O	|	|	|	|	8.92	125.917	0.00	0.62	6.969	O	|	|	|	|	8.67
120.833	0.00	0.63	7.230	O	|	|	|	|	8.92	126.000	0.00	0.62	6.965	O	|	|	|	|	8.67
120.917	0.00	0.63	7.226	O	|	|	|	|	8.91	126.083	0.00	0.62	6.960	O	|	|	|	|	8.66
121.000	0.00	0.63	7.221	O	|	|	|	|	8.91	126.167	0.00	0.62	6.956	O	|	|	|	|	8.66
121.083	0.00	0.63	7.217	O	|	|	|	|	8.90	126.250	0.00	0.62	6.952	O	|	|	|	|	8.65
121.167	0.00	0.63	7.213	O	|	|	|	|	8.90	126.333	0.00	0.62	6.948	O	|	|	|	|	8.65
121.250	0.00	0.63	7.208	O	|	|	|	|	8.90	126.417	0.00	0.62	6.943	O	|	|	|	|	8.65
121.333	0.00	0.63	7.204	O	|	|	|	|	8.89	126.500	0.00	0.62	6.939	O	|	|	|	|	8.64
121.417	0.00	0.63	7.200	O	|	|	|	|	8.89	126.583	0.00	0.62	6.935	O	|	|	|	|	8.64
121.500	0.00	0.63	7.196	O	|	|	|	|	8.88	126.667	0.00	0.62	6.931	O	|	|	|	|	8.63
121.583	0.00	0.63	7.191	O	|	|	|	|	8.88	126.750	0.00	0.62	6.926	O	|	|	|	|	8.63
121.667	0.00	0.63	7.187	O	|	|	|	|	8.88	126.833	0.00	0.62	6.922	O	|	|	|	|	8.63
121.750	0.00	0.62	7.183	O	|	|	|	|	8.87	126.917	0.00	0.61	6.918	O	|	|	|	|	8.62
121.833	0.00	0.62	7.178	O	|	|	|	|	8.87	127.000	0.00	0.61	6.914	O	|	|	|	|	8.62
121.917	0.00	0.62	7.174	O	|	|	|	|	8.86	127.083	0.00	0.61	6.909	O	|	|	|	|	8.61
122.000	0.00	0.62	7.170	O	|	|	|	|	8.86	127.167	0.00	0.61	6.905	O	|	|	|	|	8.61
122.083	0.00	0.62	7.165	O	|	|	|	|	8.86	127.250	0.00	0.61	6.901	O	|	|	|	|	8.61
122.167	0.00	0.62	7.161	O	|	|	|	|	8.85	127.333	0.00	0.61	6.897	O	|	|	|	|	8.60

127.417	0.00	0.61	6.893	O	|	|	|	|	8.60	132.583	0.00	0.60	6.632	O	|	|	|	|	8.35
127.500	0.00	0.61	6.888	O	|	|	|	|	8.59	132.667	0.00	0.60	6.628	O	|	|	|	|	8.35
127.583	0.00	0.61	6.884	O	|	|	|	|	8.59	132.750	0.00	0.60	6.624	O	|	|	|	|	8.35
127.667	0.00	0.61	6.880	O	|	|	|	|	8.59	132.833	0.00	0.60	6.620	O	|	|	|	|	8.34
127.750	0.00	0.61	6.876	O	|	|	|	|	8.58	132.917	0.00	0.60	6.616	O	|	|	|	|	8.34
127.833	0.00	0.61	6.871	O	|	|	|	|	8.58	133.000	0.00	0.60	6.612	O	|	|	|	|	8.33
127.917	0.00	0.61	6.867	O	|	|	|	|	8.58	133.083	0.00	0.60	6.608	O	|	|	|	|	8.33
128.000	0.00	0.61	6.863	O	|	|	|	|	8.57	133.167	0.00	0.60	6.603	O	|	|	|	|	8.33
128.083	0.00	0.61	6.859	O	|	|	|	|	8.57	133.250	0.00	0.60	6.599	O	|	|	|	|	8.32
128.167	0.00	0.61	6.855	O	|	|	|	|	8.56	133.333	0.00	0.60	6.595	O	|	|	|	|	8.32
128.250	0.00	0.61	6.850	O	|	|	|	|	8.56	133.417	0.00	0.60	6.591	O	|	|	|	|	8.31
128.333	0.00	0.61	6.846	O	|	|	|	|	8.56	133.500	0.00	0.60	6.587	O	|	|	|	|	8.31
128.417	0.00	0.61	6.842	O	|	|	|	|	8.55	133.583	0.00	0.60	6.583	O	|	|	|	|	8.31
128.500	0.00	0.61	6.838	O	|	|	|	|	8.55	133.667	0.00	0.60	6.578	O	|	|	|	|	8.30
128.583	0.00	0.61	6.833	O	|	|	|	|	8.54	133.750	0.00	0.60	6.574	O	|	|	|	|	8.30
128.667	0.00	0.61	6.829	O	|	|	|	|	8.54	133.833	0.00	0.60	6.570	O	|	|	|	|	8.30
128.750	0.00	0.61	6.825	O	|	|	|	|	8.54	133.917	0.00	0.60	6.566	O	|	|	|	|	8.29
128.833	0.00	0.61	6.821	O	|	|	|	|	8.53	134.000	0.00	0.60	6.562	O	|	|	|	|	8.29
128.917	0.00	0.61	6.817	O	|	|	|	|	8.53	134.083	0.00	0.60	6.558	O	|	|	|	|	8.28
129.000	0.00	0.61	6.812	O	|	|	|	|	8.52	134.167	0.00	0.60	6.554	O	|	|	|	|	8.28
129.083	0.00	0.61	6.808	O	|	|	|	|	8.52	134.250	0.00	0.60	6.549	O	|	|	|	|	8.28
129.167	0.00	0.61	6.804	O	|	|	|	|	8.52	134.333	0.00	0.60	6.545	O	|	|	|	|	8.27
129.250	0.00	0.61	6.800	O	|	|	|	|	8.51	134.417	0.00	0.60	6.541	O	|	|	|	|	8.27
129.333	0.00	0.61	6.796	O	|	|	|	|	8.51	134.500	0.00	0.60	6.537	O	|	|	|	|	8.26
129.417	0.00	0.61	6.791	O	|	|	|	|	8.50	134.583	0.00	0.60	6.533	O	|	|	|	|	8.26
129.500	0.00	0.61	6.787	O	|	|	|	|	8.50	134.667	0.00	0.60	6.529	O	|	|	|	|	8.26
129.583	0.00	0.61	6.783	O	|	|	|	|	8.50	134.750	0.00	0.60	6.525	O	|	|	|	|	8.25
129.667	0.00	0.61	6.779	O	|	|	|	|	8.49	134.833	0.00	0.60	6.521	O	|	|	|	|	8.25
129.750	0.00	0.61	6.775	O	|	|	|	|	8.49	134.917	0.00	0.60	6.516	O	|	|	|	|	8.24
129.833	0.00	0.61	6.770	O	|	|	|	|	8.48	135.000	0.00	0.60	6.512	O	|	|	|	|	8.24
129.917	0.00	0.61	6.766	O	|	|	|	|	8.48	135.083	0.00	0.60	6.508	O	|	|	|	|	8.24
130.000	0.00	0.61	6.762	O	|	|	|	|	8.48	135.167	0.00	0.60	6.504	O	|	|	|	|	8.23
130.083	0.00	0.61	6.758	O	|	|	|	|	8.47	135.250	0.00	0.60	6.500	O	|	|	|	|	8.23
130.167	0.00	0.61	6.754	O	|	|	|	|	8.47	135.333	0.00	0.60	6.496	O	|	|	|	|	8.23
130.250	0.00	0.61	6.749	O	|	|	|	|	8.46	135.417	0.00	0.60	6.492	O	|	|	|	|	8.22
130.333	0.00	0.61	6.745	O	|	|	|	|	8.46	135.500	0.00	0.60	6.487	O	|	|	|	|	8.22
130.417	0.00	0.61	6.741	O	|	|	|	|	8.46	135.583	0.00	0.60	6.483	O	|	|	|	|	8.21
130.500	0.00	0.61	6.737	O	|	|	|	|	8.45	135.667	0.00	0.60	6.479	O	|	|	|	|	8.21
130.583	0.00	0.61	6.733	O	|	|	|	|	8.45	135.750	0.00	0.60	6.475	O	|	|	|	|	8.21
130.667	0.00	0.61	6.728	O	|	|	|	|	8.44	135.833	0.00	0.60	6.471	O	|	|	|	|	8.20
130.750	0.00	0.61	6.724	O	|	|	|	|	8.44	135.917	0.00	0.60	6.467	O	|	|	|	|	8.20
130.833	0.00	0.61	6.720	O	|	|	|	|	8.44	136.000	0.00	0.60	6.463	O	|	|	|	|	8.19
130.917	0.00	0.61	6.716	O	|	|	|	|	8.43	136.083	0.00	0.60	6.459	O	|	|	|	|	8.19
131.000	0.00	0.61	6.712	O	|	|	|	|	8.43	136.167	0.00	0.60	6.455	O	|	|	|	|	8.19
131.083	0.00	0.61	6.708	O	|	|	|	|	8.42	136.250	0.00	0.60	6.450	O	|	|	|	|	8.18
131.167	0.00	0.61	6.703	O	|	|	|	|	8.42	136.333	0.00	0.60	6.446	O	|	|	|	|	8.18
131.250	0.00	0.61	6.699	O	|	|	|	|	8.42	136.417	0.00	0.60	6.442	O	|	|	|	|	8.17
131.333	0.00	0.61	6.695	O	|	|	|	|	8.41	136.500	0.00	0.60	6.438	O	|	|	|	|	8.17
131.417	0.00	0.61	6.691	O	|	|	|	|	8.41	136.583	0.00	0.60	6.434	O	|	|	|	|	8.17
131.500	0.00	0.61	6.687	O	|	|	|	|	8.40	136.667	0.00	0.60	6.430	O	|	|	|	|	8.16
131.583	0.00	0.61	6.682	O	|	|	|	|	8.40	136.750	0.00	0.60	6.426	O	|	|	|	|	8.16
131.667	0.00	0.61	6.678	O	|	|	|	|	8.40	136.833	0.00	0.60	6.422	O	|	|	|	|	8.16
131.750	0.00	0.61	6.674	O	|	|	|	|	8.39	136.917	0.00	0.60	6.418	O	|	|	|	|	8.15
131.833	0.00	0.61	6.670	O	|	|	|	|	8.39	137.000	0.00	0.60	6.413	O	|	|	|	|	8.15
131.917	0.00	0.61	6.666	O	|	|	|	|	8.39	137.083	0.00	0.60	6.409	O	|	|	|	|	8.14
132.000	0.00	0.61	6.662	O	|	|	|	|	8.38	137.167	0.00	0.60	6.405	O	|	|	|	|	8.14
132.083	0.00	0.61	6.657	O	|	|	|	|	8.38	137.250	0.00	0.60	6.401	O	|	|	|	|	8.14
132.167	0.00	0.60	6.653	O	|	|	|	|	8.37	137.333	0.00	0.60	6.397	O	|	|	|	|	8.13
132.250	0.00	0.60	6.649	O	|	|	|	|	8.37	137.417	0.00	0.60	6.393	O	|	|	|	|	8.13
132.333	0.00	0.60	6.645	O	|	|	|	|	8.37	137.500	0.00	0.59	6.389	O	|	|	|	|	8.12
132.417	0.00	0.60	6.641	O	|	|	|	|	8.36	137.583	0.00	0.59	6.385	O	|	|	|	|	8.12
132.500	0.00	0.60	6.637	O	|	|	|	|	8.36	137.667	0.00	0.59	6.381	O	|	|	|	|	8.12

137.750	0.00	0.59	6.377	O	|	|	|	|	8.11	142.917	0.00	0.58	6.125	O	|	|	|	|	7.87
137.833	0.00	0.59	6.372	O	|	|	|	|	8.11	143.000	0.00	0.58	6.121	O	|	|	|	|	7.86
137.917	0.00	0.59	6.368	O	|	|	|	|	8.10	143.083	0.00	0.58	6.117	O	|	|	|	|	7.86
138.000	0.00	0.59	6.364	O	|	|	|	|	8.10	143.167	0.00	0.58	6.113	O	|	|	|	|	7.85
138.083	0.00	0.59	6.360	O	|	|	|	|	8.10	143.250	0.00	0.58	6.109	O	|	|	|	|	7.85
138.167	0.00	0.59	6.356	O	|	|	|	|	8.09	143.333	0.00	0.58	6.105	O	|	|	|	|	7.85
138.250	0.00	0.59	6.352	O	|	|	|	|	8.09	143.417	0.00	0.58	6.101	O	|	|	|	|	7.84
138.333	0.00	0.59	6.348	O	|	|	|	|	8.09	143.500	0.00	0.58	6.097	O	|	|	|	|	7.84
138.417	0.00	0.59	6.344	O	|	|	|	|	8.08	143.583	0.00	0.58	6.093	O	|	|	|	|	7.83
138.500	0.00	0.59	6.340	O	|	|	|	|	8.08	143.667	0.00	0.58	6.089	O	|	|	|	|	7.83
138.583	0.00	0.59	6.336	O	|	|	|	|	8.07	143.750	0.00	0.58	6.085	O	|	|	|	|	7.83
138.667	0.00	0.59	6.332	O	|	|	|	|	8.07	143.833	0.00	0.58	6.081	O	|	|	|	|	7.82
138.750	0.00	0.59	6.327	O	|	|	|	|	8.07	143.917	0.00	0.58	6.077	O	|	|	|	|	7.82
138.833	0.00	0.59	6.323	O	|	|	|	|	8.06	144.000	0.00	0.58	6.073	O	|	|	|	|	7.81
138.917	0.00	0.59	6.319	O	|	|	|	|	8.06	144.083	0.00	0.58	6.069	O	|	|	|	|	7.81
139.000	0.00	0.59	6.315	O	|	|	|	|	8.05	144.167	0.00	0.58	6.064	O	|	|	|	|	7.81
139.083	0.00	0.59	6.311	O	|	|	|	|	8.05	144.250	0.00	0.58	6.060	O	|	|	|	|	7.80
139.167	0.00	0.59	6.307	O	|	|	|	|	8.05	144.333	0.00	0.58	6.056	O	|	|	|	|	7.80
139.250	0.00	0.59	6.303	O	|	|	|	|	8.04	144.417	0.00	0.58	6.052	O	|	|	|	|	7.79
139.333	0.00	0.59	6.299	O	|	|	|	|	8.04	144.500	0.00	0.58	6.048	O	|	|	|	|	7.79
139.417	0.00	0.59	6.295	O	|	|	|	|	8.04	144.583	0.00	0.58	6.044	O	|	|	|	|	7.79
139.500	0.00	0.59	6.291	O	|	|	|	|	8.03	144.667	0.00	0.58	6.040	O	|	|	|	|	7.78
139.583	0.00	0.59	6.287	O	|	|	|	|	8.03	144.750	0.00	0.58	6.036	O	|	|	|	|	7.78
139.667	0.00	0.59	6.283	O	|	|	|	|	8.02	144.833	0.00	0.58	6.032	O	|	|	|	|	7.77
139.750	0.00	0.59	6.279	O	|	|	|	|	8.02	144.917	0.00	0.58	6.028	O	|	|	|	|	7.77
139.833	0.00	0.59	6.275	O	|	|	|	|	8.02	145.000	0.00	0.58	6.024	O	|	|	|	|	7.77
139.917	0.00	0.59	6.270	O	|	|	|	|	8.01	145.083	0.00	0.58	6.020	O	|	|	|	|	7.76
140.000	0.00	0.59	6.266	O	|	|	|	|	8.01	145.167	0.00	0.58	6.016	O	|	|	|	|	7.76
140.083	0.00	0.59	6.262	O	|	|	|	|	8.01	145.250	0.00	0.58	6.012	O	|	|	|	|	7.75
140.167	0.00	0.59	6.258	O	|	|	|	|	8.00	145.333	0.00	0.58	6.008	O	|	|	|	|	7.75
140.250	0.00	0.59	6.254	O	|	|	|	|	8.00	145.417	0.00	0.58	6.004	O	|	|	|	|	7.75
140.333	0.00	0.59	6.250	O	|	|	|	|	7.99	145.500	0.00	0.58	6.000	O	|	|	|	|	7.74
140.417	0.00	0.59	6.246	O	|	|	|	|	7.99	145.583	0.00	0.58	5.996	O	|	|	|	|	7.74
140.500	0.00	0.59	6.242	O	|	|	|	|	7.98	145.667	0.00	0.58	5.992	O	|	|	|	|	7.73
140.583	0.00	0.59	6.238	O	|	|	|	|	7.98	145.750	0.00	0.58	5.989	O	|	|	|	|	7.73
140.667	0.00	0.59	6.234	O	|	|	|	|	7.98	145.833	0.00	0.58	5.985	O	|	|	|	|	7.73
140.750	0.00	0.59	6.230	O	|	|	|	|	7.97	145.917	0.00	0.58	5.981	O	|	|	|	|	7.72
140.833	0.00	0.59	6.226	O	|	|	|	|	7.97	146.000	0.00	0.58	5.977	O	|	|	|	|	7.72
140.917	0.00	0.59	6.222	O	|	|	|	|	7.96	146.083	0.00	0.58	5.973	O	|	|	|	|	7.71
141.000	0.00	0.59	6.218	O	|	|	|	|	7.96	146.167	0.00	0.58	5.969	O	|	|	|	|	7.71
141.083	0.00	0.59	6.214	O	|	|	|	|	7.96	146.250	0.00	0.58	5.965	O	|	|	|	|	7.71
141.167	0.00	0.59	6.210	O	|	|	|	|	7.95	146.333	0.00	0.58	5.961	O	|	|	|	|	7.70
141.250	0.00	0.59	6.206	O	|	|	|	|	7.95	146.417	0.00	0.58	5.957	O	|	|	|	|	7.70
141.333	0.00	0.59	6.201	O	|	|	|	|	7.94	146.500	0.00	0.58	5.953	O	|	|	|	|	7.69
141.417	0.00	0.59	6.197	O	|	|	|	|	7.94	146.583	0.00	0.58	5.949	O	|	|	|	|	7.69
141.500	0.00	0.59	6.193	O	|	|	|	|	7.94	146.667	0.00	0.58	5.945	O	|	|	|	|	7.69
141.583	0.00	0.59	6.189	O	|	|	|	|	7.93	146.750	0.00	0.58	5.941	O	|	|	|	|	7.68
141.667	0.00	0.59	6.185	O	|	|	|	|	7.93	146.833	0.00	0.58	5.937	O	|	|	|	|	7.68
141.750	0.00	0.59	6.181	O	|	|	|	|	7.92	146.917	0.00	0.58	5.933	O	|	|	|	|	7.67
141.833	0.00	0.59	6.177	O	|	|	|	|	7.92	147.000	0.00	0.58	5.929	O	|	|	|	|	7.67
141.917	0.00	0.59	6.173	O	|	|	|	|	7.92	147.083	0.00	0.58	5.925	O	|	|	|	|	7.67
142.000	0.00	0.59	6.169	O	|	|	|	|	7.91	147.167	0.00	0.58	5.921	O	|	|	|	|	7.66
142.083	0.00	0.59	6.165	O	|	|	|	|	7.91	147.250	0.00	0.58	5.917	O	|	|	|	|	7.66
142.167	0.00	0.59	6.161	O	|	|	|	|	7.90	147.333	0.00	0.58	5.913	O	|	|	|	|	7.65
142.250	0.00	0.59	6.157	O	|	|	|	|	7.90	147.417	0.00	0.58	5.909	O	|	|	|	|	7.65
142.333	0.00	0.59	6.153	O	|	|	|	|	7.90	147.500	0.00	0.58	5.905	O	|	|	|	|	7.65
142.417	0.00	0.59	6.149	O	|	|	|	|	7.89	147.583	0.00	0.58	5.901	O	|	|	|	|	7.64
142.500	0.00	0.59	6.145	O	|	|	|	|	7.89	147.667	0.00	0.58	5.897	O	|	|	|	|	7.64
142.583	0.00	0.59	6.141	O	|	|	|	|	7.88	147.750	0.00	0.58	5.893	O	|	|	|	|	7.63
142.667	0.00	0.59	6.137	O	|	|	|	|	7.88	147.833	0.00	0.58	5.889	O	|	|	|	|	7.63
142.750	0.00	0.59	6.133	O	|	|	|	|	7.88	147.917	0.00	0.58	5.885	O	|	|	|	|	7.63
142.833	0.00	0.58	6.129	O	|	|	|	|	7.87	148.000	0.00	0.57	5.881	O	|	|	|	|	7.62

148.083	0.00	0.57	5.877	O					7.62	153.250	0.00	0.56	5.634	O					7.37
148.167	0.00	0.57	5.873	O					7.61	153.333	0.00	0.56	5.630	O					7.37
148.250	0.00	0.57	5.869	O					7.61	153.417	0.00	0.56	5.626	O					7.37
148.333	0.00	0.57	5.865	O					7.61	153.500	0.00	0.56	5.622	O					7.36
148.417	0.00	0.57	5.861	O					7.60	153.583	0.00	0.56	5.618	O					7.36
148.500	0.00	0.57	5.857	O					7.60	153.667	0.00	0.56	5.614	O					7.35
148.583	0.00	0.57	5.854	O					7.59	153.750	0.00	0.56	5.611	O					7.35
148.667	0.00	0.57	5.850	O					7.59	153.833	0.00	0.56	5.607	O					7.35
148.750	0.00	0.57	5.846	O					7.59	153.917	0.00	0.56	5.603	O					7.34
148.833	0.00	0.57	5.842	O					7.58	154.000	0.00	0.56	5.599	O					7.34
148.917	0.00	0.57	5.838	O					7.58	154.083	0.00	0.56	5.595	O					7.33
149.000	0.00	0.57	5.834	O					7.57	154.167	0.00	0.56	5.591	O					7.33
149.083	0.00	0.57	5.830	O					7.57	154.250	0.00	0.56	5.587	O					7.33
149.167	0.00	0.57	5.826	O					7.57	154.333	0.00	0.56	5.583	O					7.32
149.250	0.00	0.57	5.822	O					7.56	154.417	0.00	0.56	5.580	O					7.32
149.333	0.00	0.57	5.818	O					7.56	154.500	0.00	0.56	5.576	O					7.31
149.417	0.00	0.57	5.814	O					7.55	154.583	0.00	0.56	5.572	O					7.31
149.500	0.00	0.57	5.810	O					7.55	154.667	0.00	0.56	5.568	O					7.31
149.583	0.00	0.57	5.806	O					7.55	154.750	0.00	0.56	5.564	O					7.30
149.667	0.00	0.57	5.802	O					7.54	154.833	0.00	0.56	5.560	O					7.30
149.750	0.00	0.57	5.798	O					7.54	154.917	0.00	0.56	5.556	O					7.30
149.833	0.00	0.57	5.794	O					7.53	155.000	0.00	0.56	5.552	O					7.29
149.917	0.00	0.57	5.790	O					7.53	155.083	0.00	0.56	5.549	O					7.29
150.000	0.00	0.57	5.786	O					7.53	155.167	0.00	0.56	5.545	O					7.28
150.083	0.00	0.57	5.783	O					7.52	155.250	0.00	0.56	5.541	O					7.28
150.167	0.00	0.57	5.779	O					7.52	155.333	0.00	0.56	5.537	O					7.28
150.250	0.00	0.57	5.775	O					7.51	155.417	0.00	0.56	5.533	O					7.27
150.333	0.00	0.57	5.771	O					7.51	155.500	0.00	0.56	5.529	O					7.27
150.417	0.00	0.57	5.767	O					7.51	155.583	0.00	0.56	5.525	O					7.26
150.500	0.00	0.57	5.763	O					7.50	155.667	0.00	0.56	5.522	O					7.26
150.583	0.00	0.57	5.759	O					7.50	155.750	0.00	0.56	5.518	O					7.26
150.667	0.00	0.57	5.755	O					7.50	155.833	0.00	0.56	5.514	O					7.25
150.750	0.00	0.57	5.751	O					7.49	155.917	0.00	0.56	5.510	O					7.25
150.833	0.00	0.57	5.747	O					7.49	156.000	0.00	0.56	5.506	O					7.24
150.917	0.00	0.57	5.743	O					7.48	156.083	0.00	0.56	5.502	O					7.24
151.000	0.00	0.57	5.739	O					7.48	156.167	0.00	0.56	5.498	O					7.24
151.083	0.00	0.57	5.735	O					7.48	156.250	0.00	0.56	5.495	O					7.23
151.167	0.00	0.57	5.732	O					7.47	156.333	0.00	0.56	5.491	O					7.23
151.250	0.00	0.57	5.728	O					7.47	156.417	0.00	0.56	5.487	O					7.23
151.333	0.00	0.57	5.724	O					7.46	156.500	0.00	0.56	5.483	O					7.22
151.417	0.00	0.57	5.720	O					7.46	156.583	0.00	0.56	5.479	O					7.22
151.500	0.00	0.57	5.716	O					7.46	156.667	0.00	0.56	5.475	O					7.21
151.583	0.00	0.57	5.712	O					7.45	156.750	0.00	0.56	5.471	O					7.21
151.667	0.00	0.57	5.708	O					7.45	156.833	0.00	0.56	5.468	O					7.21
151.750	0.00	0.57	5.704	O					7.44	156.917	0.00	0.56	5.464	O					7.20
151.833	0.00	0.57	5.700	O					7.44	157.000	0.00	0.56	5.460	O					7.20
151.917	0.00	0.57	5.696	O					7.44	157.083	0.00	0.56	5.456	O					7.19
152.000	0.00	0.57	5.692	O					7.43	157.167	0.00	0.56	5.452	O					7.19
152.083	0.00	0.57	5.689	O					7.43	157.250	0.00	0.56	5.448	O					7.19
152.167	0.00	0.57	5.685	O					7.42	157.333	0.00	0.56	5.445	O					7.18
152.250	0.00	0.57	5.681	O					7.42	157.417	0.00	0.56	5.441	O					7.18
152.333	0.00	0.57	5.677	O					7.42	157.500	0.00	0.56	5.437	O					7.17
152.417	0.00	0.57	5.673	O					7.41	157.583	0.00	0.56	5.433	O					7.17
152.500	0.00	0.57	5.669	O					7.41	157.667	0.00	0.56	5.429	O					7.17
152.583	0.00	0.57	5.665	O					7.40	157.750	0.00	0.56	5.425	O					7.16
152.667	0.00	0.57	5.661	O					7.40	157.833	0.00	0.56	5.422	O					7.16
152.750	0.00	0.57	5.657	O					7.40	157.917	0.00	0.56	5.418	O					7.16
152.833	0.00	0.57	5.653	O					7.39	158.000	0.00	0.56	5.414	O					7.15
152.917	0.00	0.57	5.650	O					7.39	158.083	0.00	0.56	5.410	O					7.15
153.000	0.00	0.57	5.646	O					7.38	158.167	0.00	0.56	5.406	O					7.14
153.083	0.00	0.57	5.642	O					7.38	158.250	0.00	0.56	5.402	O					7.14
153.167	0.00	0.57	5.638	O					7.38	158.333	0.00	0.56	5.399	O					7.14

158.417	0.00	0.56	5.395	O	|	|	|	|	7.13	163.583	0.00	0.55	5.160	O	|	|	|	|	6.89
158.500	0.00	0.56	5.391	O	|	|	|	|	7.13	163.667	0.00	0.55	5.156	O	|	|	|	|	6.88
158.583	0.00	0.55	5.387	O	|	|	|	|	7.12	163.750	0.00	0.55	5.152	O	|	|	|	|	6.88
158.667	0.00	0.55	5.383	O	|	|	|	|	7.12	163.833	0.00	0.55	5.148	O	|	|	|	|	6.88
158.750	0.00	0.55	5.379	O	|	|	|	|	7.12	163.917	0.00	0.54	5.145	O	|	|	|	|	6.87
158.833	0.00	0.55	5.376	O	|	|	|	|	7.11	164.000	0.00	0.54	5.141	O	|	|	|	|	6.87
158.917	0.00	0.55	5.372	O	|	|	|	|	7.11	164.083	0.00	0.54	5.137	O	|	|	|	|	6.86
159.000	0.00	0.55	5.368	O	|	|	|	|	7.11	164.167	0.00	0.54	5.133	O	|	|	|	|	6.86
159.083	0.00	0.55	5.364	O	|	|	|	|	7.10	164.250	0.00	0.54	5.130	O	|	|	|	|	6.86
159.167	0.00	0.55	5.360	O	|	|	|	|	7.10	164.333	0.00	0.54	5.126	O	|	|	|	|	6.85
159.250	0.00	0.55	5.357	O	|	|	|	|	7.09	164.417	0.00	0.54	5.122	O	|	|	|	|	6.85
159.333	0.00	0.55	5.353	O	|	|	|	|	7.09	164.500	0.00	0.54	5.118	O	|	|	|	|	6.84
159.417	0.00	0.55	5.349	O	|	|	|	|	7.09	164.583	0.00	0.54	5.115	O	|	|	|	|	6.84
159.500	0.00	0.55	5.345	O	|	|	|	|	7.08	164.667	0.00	0.54	5.111	O	|	|	|	|	6.84
159.583	0.00	0.55	5.341	O	|	|	|	|	7.08	164.750	0.00	0.54	5.107	O	|	|	|	|	6.83
159.667	0.00	0.55	5.338	O	|	|	|	|	7.07	164.833	0.00	0.54	5.103	O	|	|	|	|	6.83
159.750	0.00	0.55	5.334	O	|	|	|	|	7.07	164.917	0.00	0.54	5.100	O	|	|	|	|	6.82
159.833	0.00	0.55	5.330	O	|	|	|	|	7.07	165.000	0.00	0.54	5.096	O	|	|	|	|	6.82
159.917	0.00	0.55	5.326	O	|	|	|	|	7.06	165.083	0.00	0.54	5.092	O	|	|	|	|	6.82
160.000	0.00	0.55	5.322	O	|	|	|	|	7.06	165.167	0.00	0.54	5.089	O	|	|	|	|	6.81
160.083	0.00	0.55	5.318	O	|	|	|	|	7.06	165.250	0.00	0.54	5.085	O	|	|	|	|	6.81
160.167	0.00	0.55	5.315	O	|	|	|	|	7.05	165.333	0.00	0.54	5.081	O	|	|	|	|	6.80
160.250	0.00	0.55	5.311	O	|	|	|	|	7.05	165.417	0.00	0.54	5.077	O	|	|	|	|	6.80
160.333	0.00	0.55	5.307	O	|	|	|	|	7.04	165.500	0.00	0.54	5.074	O	|	|	|	|	6.80
160.417	0.00	0.55	5.303	O	|	|	|	|	7.04	165.583	0.00	0.54	5.070	O	|	|	|	|	6.79
160.500	0.00	0.55	5.299	O	|	|	|	|	7.04	165.667	0.00	0.54	5.066	O	|	|	|	|	6.79
160.583	0.00	0.55	5.296	O	|	|	|	|	7.03	165.750	0.00	0.54	5.062	O	|	|	|	|	6.78
160.667	0.00	0.55	5.292	O	|	|	|	|	7.03	165.833	0.00	0.54	5.059	O	|	|	|	|	6.78
160.750	0.00	0.55	5.288	O	|	|	|	|	7.03	165.917	0.00	0.54	5.055	O	|	|	|	|	6.78
160.833	0.00	0.55	5.284	O	|	|	|	|	7.02	166.000	0.00	0.54	5.051	O	|	|	|	|	6.77
160.917	0.00	0.55	5.281	O	|	|	|	|	7.02	166.083	0.00	0.54	5.047	O	|	|	|	|	6.77
161.000	0.00	0.55	5.277	O	|	|	|	|	7.01	166.167	0.00	0.54	5.044	O	|	|	|	|	6.76
161.083	0.00	0.55	5.273	O	|	|	|	|	7.01	166.250	0.00	0.54	5.040	O	|	|	|	|	6.76
161.167	0.00	0.55	5.269	O	|	|	|	|	7.01	166.333	0.00	0.54	5.036	O	|	|	|	|	6.76
161.250	0.00	0.55	5.265	O	|	|	|	|	7.00	166.417	0.00	0.54	5.033	O	|	|	|	|	6.75
161.333	0.00	0.55	5.262	O	|	|	|	|	7.00	166.500	0.00	0.54	5.029	O	|	|	|	|	6.75
161.417	0.00	0.55	5.258	O	|	|	|	|	6.99	166.583	0.00	0.54	5.025	O	|	|	|	|	6.74
161.500	0.00	0.55	5.254	O	|	|	|	|	6.99	166.667	0.00	0.54	5.021	O	|	|	|	|	6.74
161.583	0.00	0.55	5.250	O	|	|	|	|	6.99	166.750	0.00	0.54	5.018	O	|	|	|	|	6.74
161.667	0.00	0.55	5.246	O	|	|	|	|	6.98	166.833	0.00	0.54	5.014	O	|	|	|	|	6.73
161.750	0.00	0.55	5.243	O	|	|	|	|	6.98	166.917	0.00	0.54	5.010	O	|	|	|	|	6.73
161.833	0.00	0.55	5.239	O	|	|	|	|	6.97	167.000	0.00	0.54	5.007	O	|	|	|	|	6.72
161.917	0.00	0.55	5.235	O	|	|	|	|	6.97	167.083	0.00	0.54	5.003	O	|	|	|	|	6.72
162.000	0.00	0.55	5.231	O	|	|	|	|	6.97	167.167	0.00	0.54	4.999	O	|	|	|	|	6.72
162.083	0.00	0.55	5.228	O	|	|	|	|	6.96	167.250	0.00	0.54	4.995	O	|	|	|	|	6.71
162.167	0.00	0.55	5.224	O	|	|	|	|	6.96	167.333	0.00	0.54	4.992	O	|	|	|	|	6.71
162.250	0.00	0.55	5.220	O	|	|	|	|	6.95	167.417	0.00	0.54	4.988	O	|	|	|	|	6.70
162.333	0.00	0.55	5.216	O	|	|	|	|	6.95	167.500	0.00	0.54	4.984	O	|	|	|	|	6.70
162.417	0.00	0.55	5.212	O	|	|	|	|	6.95	167.583	0.00	0.54	4.981	O	|	|	|	|	6.70
162.500	0.00	0.55	5.209	O	|	|	|	|	6.94	167.667	0.00	0.54	4.977	O	|	|	|	|	6.69
162.583	0.00	0.55	5.205	O	|	|	|	|	6.94	167.750	0.00	0.54	4.973	O	|	|	|	|	6.69
162.667	0.00	0.55	5.201	O	|	|	|	|	6.93	167.833	0.00	0.54	4.970	O	|	|	|	|	6.68
162.750	0.00	0.55	5.197	O	|	|	|	|	6.93	167.917	0.00	0.54	4.966	O	|	|	|	|	6.68
162.833	0.00	0.55	5.194	O	|	|	|	|	6.93	168.000	0.00	0.54	4.962	O	|	|	|	|	6.68
162.917	0.00	0.55	5.190	O	|	|	|	|	6.92	168.083	0.00	0.54	4.958	O	|	|	|	|	6.67
163.000	0.00	0.55	5.186	O	|	|	|	|	6.92	168.167	0.00	0.54	4.955	O	|	|	|	|	6.67
163.083	0.00	0.55	5.182	O	|	|	|	|	6.91	168.250	0.00	0.54	4.951	O	|	|	|	|	6.66
163.167	0.00	0.55	5.179	O	|	|	|	|	6.91	168.333	0.00	0.54	4.947	O	|	|	|	|	6.66
163.250	0.00	0.55	5.175	O	|	|	|	|	6.91	168.417	0.00	0.54	4.944	O	|	|	|	|	6.66
163.333	0.00	0.55	5.171	O	|	|	|	|	6.90	168.500	0.00	0.54	4.940	O	|	|	|	|	6.65
163.417	0.00	0.55	5.167	O	|	|	|	|	6.90	168.583	0.00	0.54	4.936	O	|	|	|	|	6.65
163.500	0.00	0.55	5.163	O	|	|	|	|	6.89	168.667	0.00	0.54	4.933	O	|	|	|	|	6.64

168.750	0.00	0.54	4.929	O	|	|	|	|	6.64	173.917	0.00	0.53	4.702	O	|	|	|	|	6.40
168.833	0.00	0.54	4.925	O	|	|	|	|	6.64	174.000	0.00	0.53	4.699	O	|	|	|	|	6.39
168.917	0.00	0.54	4.922	O	|	|	|	|	6.63	174.083	0.00	0.53	4.695	O	|	|	|	|	6.39
169.000	0.00	0.54	4.918	O	|	|	|	|	6.63	174.167	0.00	0.53	4.691	O	|	|	|	|	6.39
169.083	0.00	0.53	4.914	O	|	|	|	|	6.62	174.250	0.00	0.53	4.688	O	|	|	|	|	6.38
169.167	0.00	0.53	4.910	O	|	|	|	|	6.62	174.333	0.00	0.53	4.684	O	|	|	|	|	6.38
169.250	0.00	0.53	4.907	O	|	|	|	|	6.62	174.417	0.00	0.52	4.681	O	|	|	|	|	6.37
169.333	0.00	0.53	4.903	O	|	|	|	|	6.61	174.500	0.00	0.52	4.677	O	|	|	|	|	6.37
169.417	0.00	0.53	4.899	O	|	|	|	|	6.61	174.583	0.00	0.52	4.673	O	|	|	|	|	6.37
169.500	0.00	0.53	4.896	O	|	|	|	|	6.61	174.667	0.00	0.52	4.670	O	|	|	|	|	6.36
169.583	0.00	0.53	4.892	O	|	|	|	|	6.60	174.750	0.00	0.52	4.666	O	|	|	|	|	6.36
169.667	0.00	0.53	4.888	O	|	|	|	|	6.60	174.833	0.00	0.52	4.662	O	|	|	|	|	6.35
169.750	0.00	0.53	4.885	O	|	|	|	|	6.59	174.917	0.00	0.52	4.659	O	|	|	|	|	6.35
169.833	0.00	0.53	4.881	O	|	|	|	|	6.59	175.000	0.00	0.52	4.655	O	|	|	|	|	6.35
169.917	0.00	0.53	4.877	O	|	|	|	|	6.59	175.083	0.00	0.52	4.652	O	|	|	|	|	6.34
170.000	0.00	0.53	4.874	O	|	|	|	|	6.58	175.167	0.00	0.52	4.648	O	|	|	|	|	6.34
170.083	0.00	0.53	4.870	O	|	|	|	|	6.58	175.250	0.00	0.52	4.644	O	|	|	|	|	6.33
170.167	0.00	0.53	4.866	O	|	|	|	|	6.57	175.333	0.00	0.52	4.641	O	|	|	|	|	6.33
170.250	0.00	0.53	4.863	O	|	|	|	|	6.57	175.417	0.00	0.52	4.637	O	|	|	|	|	6.33
170.333	0.00	0.53	4.859	O	|	|	|	|	6.57	175.500	0.00	0.52	4.634	O	|	|	|	|	6.32
170.417	0.00	0.53	4.855	O	|	|	|	|	6.56	175.583	0.00	0.52	4.630	O	|	|	|	|	6.32
170.500	0.00	0.53	4.852	O	|	|	|	|	6.56	175.667	0.00	0.52	4.626	O	|	|	|	|	6.32
170.583	0.00	0.53	4.848	O	|	|	|	|	6.55	175.750	0.00	0.52	4.623	O	|	|	|	|	6.31
170.667	0.00	0.53	4.844	O	|	|	|	|	6.55	175.833	0.00	0.52	4.619	O	|	|	|	|	6.31
170.750	0.00	0.53	4.841	O	|	|	|	|	6.55	175.917	0.00	0.52	4.616	O	|	|	|	|	6.30
170.833	0.00	0.53	4.837	O	|	|	|	|	6.54	176.000	0.00	0.52	4.612	O	|	|	|	|	6.30
170.917	0.00	0.53	4.833	O	|	|	|	|	6.54	176.083	0.00	0.52	4.608	O	|	|	|	|	6.30
171.000	0.00	0.53	4.830	O	|	|	|	|	6.53	176.167	0.00	0.52	4.605	O	|	|	|	|	6.29
171.083	0.00	0.53	4.826	O	|	|	|	|	6.53	176.250	0.00	0.52	4.601	O	|	|	|	|	6.29
171.167	0.00	0.53	4.822	O	|	|	|	|	6.53	176.333	0.00	0.52	4.598	O	|	|	|	|	6.28
171.250	0.00	0.53	4.819	O	|	|	|	|	6.52	176.417	0.00	0.52	4.594	O	|	|	|	|	6.28
171.333	0.00	0.53	4.815	O	|	|	|	|	6.52	176.500	0.00	0.52	4.591	O	|	|	|	|	6.28
171.417	0.00	0.53	4.811	O	|	|	|	|	6.51	176.583	0.00	0.52	4.587	O	|	|	|	|	6.27
171.500	0.00	0.53	4.808	O	|	|	|	|	6.51	176.667	0.00	0.52	4.583	O	|	|	|	|	6.27
171.583	0.00	0.53	4.804	O	|	|	|	|	6.51	176.750	0.00	0.52	4.580	O	|	|	|	|	6.27
171.667	0.00	0.53	4.800	O	|	|	|	|	6.50	176.833	0.00	0.52	4.576	O	|	|	|	|	6.26
171.750	0.00	0.53	4.797	O	|	|	|	|	6.50	176.917	0.00	0.52	4.573	O	|	|	|	|	6.26
171.833	0.00	0.53	4.793	O	|	|	|	|	6.49	177.000	0.00	0.52	4.569	O	|	|	|	|	6.25
171.917	0.00	0.53	4.789	O	|	|	|	|	6.49	177.083	0.00	0.52	4.565	O	|	|	|	|	6.25
172.000	0.00	0.53	4.786	O	|	|	|	|	6.49	177.167	0.00	0.52	4.562	O	|	|	|	|	6.25
172.083	0.00	0.53	4.782	O	|	|	|	|	6.48	177.250	0.00	0.52	4.558	O	|	|	|	|	6.24
172.167	0.00	0.53	4.779	O	|	|	|	|	6.48	177.333	0.00	0.52	4.555	O	|	|	|	|	6.24
172.250	0.00	0.53	4.775	O	|	|	|	|	6.48	177.417	0.00	0.52	4.551	O	|	|	|	|	6.23
172.333	0.00	0.53	4.771	O	|	|	|	|	6.47	177.500	0.00	0.52	4.548	O	|	|	|	|	6.23
172.417	0.00	0.53	4.768	O	|	|	|	|	6.47	177.583	0.00	0.52	4.544	O	|	|	|	|	6.23
172.500	0.00	0.53	4.764	O	|	|	|	|	6.46	177.667	0.00	0.52	4.540	O	|	|	|	|	6.22
172.583	0.00	0.53	4.760	O	|	|	|	|	6.46	177.750	0.00	0.52	4.537	O	|	|	|	|	6.22
172.667	0.00	0.53	4.757	O	|	|	|	|	6.46	177.833	0.00	0.52	4.533	O	|	|	|	|	6.22
172.750	0.00	0.53	4.753	O	|	|	|	|	6.45	177.917	0.00	0.52	4.530	O	|	|	|	|	6.21
172.833	0.00	0.53	4.749	O	|	|	|	|	6.45	178.000	0.00	0.52	4.526	O	|	|	|	|	6.21
172.917	0.00	0.53	4.746	O	|	|	|	|	6.44	178.083	0.00	0.52	4.523	O	|	|	|	|	6.20
173.000	0.00	0.53	4.742	O	|	|	|	|	6.44	178.167	0.00	0.52	4.519	O	|	|	|	|	6.20
173.083	0.00	0.53	4.739	O	|	|	|	|	6.44	178.250	0.00	0.52	4.515	O	|	|	|	|	6.20
173.167	0.00	0.53	4.735	O	|	|	|	|	6.43	178.333	0.00	0.52	4.512	O	|	|	|	|	6.19
173.250	0.00	0.53	4.731	O	|	|	|	|	6.43	178.417	0.00	0.52	4.508	O	|	|	|	|	6.19
173.333	0.00	0.53	4.728	O	|	|	|	|	6.42	178.500	0.00	0.52	4.505	O	|	|	|	|	6.18
173.417	0.00	0.53	4.724	O	|	|	|	|	6.42	178.583	0.00	0.52	4.501	O	|	|	|	|	6.18
173.500	0.00	0.53	4.720	O	|	|	|	|	6.42	178.667	0.00	0.52	4.498	O	|	|	|	|	6.18
173.583	0.00	0.53	4.717	O	|	|	|	|	6.41	178.750	0.00	0.52	4.494	O	|	|	|	|	6.17
173.667	0.00	0.53	4.713	O	|	|	|	|	6.41	178.833	0.00	0.52	4.490	O	|	|	|	|	6.17
173.750	0.00	0.53	4.710	O	|	|	|	|	6.40	178.917	0.00	0.52	4.487	O	|	|	|	|	6.17
173.833	0.00	0.53	4.706	O	|	|	|	|	6.40	179.000	0.00	0.52	4.483	O	|	|	|	|	6.16

179.083	0.00	0.52	4.480	O					6.16	184.250	0.00	0.51	4.261	O					5.92
179.167	0.00	0.52	4.476	O					6.15	184.333	0.00	0.51	4.258	O					5.91
179.250	0.00	0.52	4.473	O					6.15	184.417	0.00	0.51	4.254	O					5.91
179.333	0.00	0.52	4.469	O					6.15	184.500	0.00	0.51	4.251	O					5.91
179.417	0.00	0.52	4.466	O					6.14	184.583	0.00	0.51	4.247	O					5.90
179.500	0.00	0.52	4.462	O					6.14	184.667	0.00	0.51	4.244	O					5.90
179.583	0.00	0.52	4.458	O					6.13	184.750	0.00	0.51	4.240	O					5.89
179.667	0.00	0.52	4.455	O					6.13	184.833	0.00	0.51	4.237	O					5.89
179.750	0.00	0.52	4.451	O					6.13	184.917	0.00	0.51	4.233	O					5.89
179.833	0.00	0.51	4.448	O					6.12	185.000	0.00	0.51	4.230	O					5.88
179.917	0.00	0.51	4.444	O					6.12	185.083	0.00	0.51	4.226	O					5.88
180.000	0.00	0.51	4.441	O					6.12	185.167	0.00	0.50	4.223	O					5.87
180.083	0.00	0.51	4.437	O					6.11	185.250	0.00	0.50	4.220	O					5.87
180.167	0.00	0.51	4.434	O					6.11	185.333	0.00	0.50	4.216	O					5.87
180.250	0.00	0.51	4.430	O					6.10	185.417	0.00	0.50	4.213	O					5.86
180.333	0.00	0.51	4.427	O					6.10	185.500	0.00	0.50	4.209	O					5.86
180.417	0.00	0.51	4.423	O					6.10	185.583	0.00	0.50	4.206	O					5.85
180.500	0.00	0.51	4.419	O					6.09	185.667	0.00	0.50	4.202	O					5.85
180.583	0.00	0.51	4.416	O					6.09	185.750	0.00	0.50	4.199	O					5.85
180.667	0.00	0.51	4.412	O					6.09	185.833	0.00	0.50	4.195	O					5.84
180.750	0.00	0.51	4.409	O					6.08	185.917	0.00	0.50	4.192	O					5.84
180.833	0.00	0.51	4.405	O					6.08	186.000	0.00	0.50	4.188	O					5.83
180.917	0.00	0.51	4.402	O					6.07	186.083	0.00	0.50	4.185	O					5.83
181.000	0.00	0.51	4.398	O					6.07	186.167	0.00	0.50	4.181	O					5.83
181.083	0.00	0.51	4.395	O					6.07	186.250	0.00	0.50	4.178	O					5.82
181.167	0.00	0.51	4.391	O					6.06	186.333	0.00	0.50	4.174	O					5.82
181.250	0.00	0.51	4.388	O					6.06	186.417	0.00	0.50	4.171	O					5.81
181.333	0.00	0.51	4.384	O					6.05	186.500	0.00	0.50	4.168	O					5.81
181.417	0.00	0.51	4.381	O					6.05	186.583	0.00	0.50	4.164	O					5.81
181.500	0.00	0.51	4.377	O					6.05	186.667	0.00	0.50	4.161	O					5.80
181.583	0.00	0.51	4.374	O					6.04	186.750	0.00	0.50	4.157	O					5.80
181.667	0.00	0.51	4.370	O					6.04	186.833	0.00	0.50	4.154	O					5.79
181.750	0.00	0.51	4.367	O					6.04	186.917	0.00	0.50	4.150	O					5.79
181.833	0.00	0.51	4.363	O					6.03	187.000	0.00	0.50	4.147	O					5.79
181.917	0.00	0.51	4.359	O					6.03	187.083	0.00	0.50	4.143	O					5.78
182.000	0.00	0.51	4.356	O					6.02	187.167	0.00	0.50	4.140	O					5.78
182.083	0.00	0.51	4.352	O					6.02	187.250	0.00	0.50	4.136	O					5.77
182.167	0.00	0.51	4.349	O					6.02	187.333	0.00	0.50	4.133	O					5.77
182.250	0.00	0.51	4.345	O					6.01	187.417	0.00	0.50	4.130	O					5.77
182.333	0.00	0.51	4.342	O					6.01	187.500	0.00	0.50	4.126	O					5.76
182.417	0.00	0.51	4.338	O					6.01	187.583	0.00	0.50	4.123	O					5.76
182.500	0.00	0.51	4.335	O					6.00	187.667	0.00	0.50	4.119	O					5.75
182.583	0.00	0.51	4.331	O					6.00	187.750	0.00	0.50	4.116	O					5.75
182.667	0.00	0.51	4.328	O					5.99	187.833	0.00	0.50	4.112	O					5.75
182.750	0.00	0.51	4.324	O					5.99	187.917	0.00	0.50	4.109	O					5.74
182.833	0.00	0.51	4.321	O					5.99	188.000	0.00	0.50	4.105	O					5.74
182.917	0.00	0.51	4.317	O					5.98	188.083	0.00	0.50	4.102	O					5.73
183.000	0.00	0.51	4.314	O					5.98	188.167	0.00	0.50	4.099	O					5.73
183.083	0.00	0.51	4.310	O					5.97	188.250	0.00	0.50	4.095	O					5.73
183.167	0.00	0.51	4.307	O					5.97	188.333	0.00	0.50	4.092	O					5.72
183.250	0.00	0.51	4.303	O					5.97	188.417	0.00	0.50	4.088	O					5.72
183.333	0.00	0.51	4.300	O					5.96	188.500	0.00	0.50	4.085	O					5.71
183.417	0.00	0.51	4.296	O					5.96	188.583	0.00	0.50	4.081	O					5.71
183.500	0.00	0.51	4.293	O					5.95	188.667	0.00	0.50	4.078	O					5.71
183.583	0.00	0.51	4.289	O					5.95	188.750	0.00	0.50	4.074	O					5.70
183.667	0.00	0.51	4.286	O					5.95	188.833	0.00	0.50	4.071	O					5.70
183.750	0.00	0.51	4.282	O					5.94	188.917	0.00	0.50	4.068	O					5.69
183.833	0.00	0.51	4.279	O					5.94	189.000	0.00	0.50	4.064	O					5.69
183.917	0.00	0.51	4.275	O					5.93	189.083	0.00	0.50	4.061	O					5.69
184.000	0.00	0.51	4.272	O					5.93	189.167	0.00	0.50	4.057	O					5.68
184.083	0.00	0.51	4.268	O					5.93	189.250	0.00	0.50	4.054	O					5.68
184.167	0.00	0.51	4.265	O					5.92	189.333	0.00	0.50	4.051	O					5.67

189.417	0.00	0.50	4.047	O	|	|	|	|	5.67	194.583	0.00	0.49	3.837	O	|	|	|	|	5.43
189.500	0.00	0.50	4.044	O	|	|	|	|	5.67	194.667	0.00	0.49	3.834	O	|	|	|	|	5.42
189.583	0.00	0.50	4.040	O	|	|	|	|	5.66	194.750	0.00	0.49	3.830	O	|	|	|	|	5.42
189.667	0.00	0.50	4.037	O	|	|	|	|	5.66	194.833	0.00	0.49	3.827	O	|	|	|	|	5.42
189.750	0.00	0.50	4.033	O	|	|	|	|	5.65	194.917	0.00	0.49	3.824	O	|	|	|	|	5.41
189.833	0.00	0.50	4.030	O	|	|	|	|	5.65	195.000	0.00	0.49	3.820	O	|	|	|	|	5.41
189.917	0.00	0.50	4.027	O	|	|	|	|	5.65	195.083	0.00	0.49	3.817	O	|	|	|	|	5.41
190.000	0.00	0.50	4.023	O	|	|	|	|	5.64	195.167	0.00	0.49	3.814	O	|	|	|	|	5.40
190.083	0.00	0.50	4.020	O	|	|	|	|	5.64	195.250	0.00	0.49	3.810	O	|	|	|	|	5.40
190.167	0.00	0.50	4.016	O	|	|	|	|	5.64	195.333	0.00	0.49	3.807	O	|	|	|	|	5.39
190.250	0.00	0.50	4.013	O	|	|	|	|	5.63	195.417	0.00	0.49	3.804	O	|	|	|	|	5.39
190.333	0.00	0.50	4.010	O	|	|	|	|	5.63	195.500	0.00	0.49	3.800	O	|	|	|	|	5.39
190.417	0.00	0.49	4.006	O	|	|	|	|	5.62	195.583	0.00	0.49	3.797	O	|	|	|	|	5.38
190.500	0.00	0.49	4.003	O	|	|	|	|	5.62	195.667	0.00	0.49	3.793	O	|	|	|	|	5.38
190.583	0.00	0.49	3.999	O	|	|	|	|	5.62	195.750	0.00	0.48	3.790	O	|	|	|	|	5.37
190.667	0.00	0.49	3.996	O	|	|	|	|	5.61	195.833	0.00	0.48	3.787	O	|	|	|	|	5.37
190.750	0.00	0.49	3.992	O	|	|	|	|	5.61	195.917	0.00	0.48	3.783	O	|	|	|	|	5.37
190.833	0.00	0.49	3.989	O	|	|	|	|	5.60	196.000	0.00	0.48	3.780	O	|	|	|	|	5.36
190.917	0.00	0.49	3.986	O	|	|	|	|	5.60	196.083	0.00	0.48	3.777	O	|	|	|	|	5.36
191.000	0.00	0.49	3.982	O	|	|	|	|	5.60	196.167	0.00	0.48	3.773	O	|	|	|	|	5.36
191.083	0.00	0.49	3.979	O	|	|	|	|	5.59	196.250	0.00	0.48	3.770	O	|	|	|	|	5.35
191.167	0.00	0.49	3.975	O	|	|	|	|	5.59	196.333	0.00	0.48	3.767	O	|	|	|	|	5.35
191.250	0.00	0.49	3.972	O	|	|	|	|	5.58	196.417	0.00	0.48	3.763	O	|	|	|	|	5.34
191.333	0.00	0.49	3.969	O	|	|	|	|	5.58	196.500	0.00	0.48	3.760	O	|	|	|	|	5.34
191.417	0.00	0.49	3.965	O	|	|	|	|	5.58	196.583	0.00	0.48	3.757	O	|	|	|	|	5.34
191.500	0.00	0.49	3.962	O	|	|	|	|	5.57	196.667	0.00	0.48	3.753	O	|	|	|	|	5.33
191.583	0.00	0.49	3.958	O	|	|	|	|	5.57	196.750	0.00	0.48	3.750	O	|	|	|	|	5.33
191.667	0.00	0.49	3.955	O	|	|	|	|	5.56	196.833	0.00	0.48	3.747	O	|	|	|	|	5.32
191.750	0.00	0.49	3.952	O	|	|	|	|	5.56	196.917	0.00	0.48	3.743	O	|	|	|	|	5.32
191.833	0.00	0.49	3.948	O	|	|	|	|	5.56	197.000	0.00	0.48	3.740	O	|	|	|	|	5.32
191.917	0.00	0.49	3.945	O	|	|	|	|	5.55	197.083	0.00	0.48	3.737	O	|	|	|	|	5.31
192.000	0.00	0.49	3.942	O	|	|	|	|	5.55	197.167	0.00	0.48	3.734	O	|	|	|	|	5.31
192.083	0.00	0.49	3.938	O	|	|	|	|	5.55	197.250	0.00	0.48	3.730	O	|	|	|	|	5.31
192.167	0.00	0.49	3.935	O	|	|	|	|	5.54	197.333	0.00	0.48	3.727	O	|	|	|	|	5.30
192.250	0.00	0.49	3.931	O	|	|	|	|	5.54	197.417	0.00	0.48	3.724	O	|	|	|	|	5.30
192.333	0.00	0.49	3.928	O	|	|	|	|	5.53	197.500	0.00	0.48	3.720	O	|	|	|	|	5.29
192.417	0.00	0.49	3.925	O	|	|	|	|	5.53	197.583	0.00	0.48	3.717	O	|	|	|	|	5.29
192.500	0.00	0.49	3.921	O	|	|	|	|	5.53	197.667	0.00	0.48	3.714	O	|	|	|	|	5.29
192.583	0.00	0.49	3.918	O	|	|	|	|	5.52	197.750	0.00	0.48	3.710	O	|	|	|	|	5.28
192.667	0.00	0.49	3.914	O	|	|	|	|	5.52	197.833	0.00	0.48	3.707	O	|	|	|	|	5.28
192.750	0.00	0.49	3.911	O	|	|	|	|	5.51	197.917	0.00	0.48	3.704	O	|	|	|	|	5.27
192.833	0.00	0.49	3.908	O	|	|	|	|	5.51	198.000	0.00	0.48	3.700	O	|	|	|	|	5.27
192.917	0.00	0.49	3.904	O	|	|	|	|	5.51	198.083	0.00	0.48	3.697	O	|	|	|	|	5.27
193.000	0.00	0.49	3.901	O	|	|	|	|	5.50	198.167	0.00	0.48	3.694	O	|	|	|	|	5.26
193.083	0.00	0.49	3.898	O	|	|	|	|	5.50	198.250	0.00	0.48	3.690	O	|	|	|	|	5.26
193.167	0.00	0.49	3.894	O	|	|	|	|	5.49	198.333	0.00	0.48	3.687	O	|	|	|	|	5.26
193.250	0.00	0.49	3.891	O	|	|	|	|	5.49	198.417	0.00	0.48	3.684	O	|	|	|	|	5.25
193.333	0.00	0.49	3.887	O	|	|	|	|	5.49	198.500	0.00	0.48	3.680	O	|	|	|	|	5.25
193.417	0.00	0.49	3.884	O	|	|	|	|	5.48	198.583	0.00	0.48	3.677	O	|	|	|	|	5.24
193.500	0.00	0.49	3.881	O	|	|	|	|	5.48	198.667	0.00	0.48	3.674	O	|	|	|	|	5.24
193.583	0.00	0.49	3.877	O	|	|	|	|	5.48	198.750	0.00	0.48	3.671	O	|	|	|	|	5.24
193.667	0.00	0.49	3.874	O	|	|	|	|	5.47	198.833	0.00	0.48	3.667	O	|	|	|	|	5.23
193.750	0.00	0.49	3.871	O	|	|	|	|	5.47	198.917	0.00	0.48	3.664	O	|	|	|	|	5.23
193.833	0.00	0.49	3.867	O	|	|	|	|	5.46	199.000	0.00	0.48	3.661	O	|	|	|	|	5.23
193.917	0.00	0.49	3.864	O	|	|	|	|	5.46	199.083	0.00	0.48	3.657	O	|	|	|	|	5.22
194.000	0.00	0.49	3.861	O	|	|	|	|	5.46	199.167	0.00	0.48	3.654	O	|	|	|	|	5.22
194.083	0.00	0.49	3.857	O	|	|	|	|	5.45	199.250	0.00	0.48	3.651	O	|	|	|	|	5.21
194.167	0.00	0.49	3.854	O	|	|	|	|	5.45	199.333	0.00	0.48	3.647	O	|	|	|	|	5.21
194.250	0.00	0.49	3.850	O	|	|	|	|	5.44	199.417	0.00	0.48	3.644	O	|	|	|	|	5.21
194.333	0.00	0.49	3.847	O	|	|	|	|	5.44	199.500	0.00	0.48	3.641	O	|	|	|	|	5.20
194.417	0.00	0.49	3.844	O	|	|	|	|	5.44	199.583	0.00	0.48	3.638	O	|	|	|	|	5.20
194.500	0.00	0.49	3.840	O	|	|	|	|	5.43	199.667	0.00	0.48	3.634	O	|	|	|	|	5.20

199.750	0.00	0.48	3.631	O	|	|	|	|	5.19	204.917	0.00	0.47	3.429	O	|	|	|	|	4.96
199.833	0.00	0.48	3.628	O	|	|	|	|	5.19	205.000	0.00	0.47	3.426	O	|	|	|	|	4.95
199.917	0.00	0.48	3.624	O	|	|	|	|	5.18	205.083	0.00	0.47	3.423	O	|	|	|	|	4.95
200.000	0.00	0.48	3.621	O	|	|	|	|	5.18	205.167	0.00	0.47	3.419	O	|	|	|	|	4.94
200.083	0.00	0.48	3.618	O	|	|	|	|	5.18	205.250	0.00	0.47	3.416	O	|	|	|	|	4.94
200.167	0.00	0.48	3.615	O	|	|	|	|	5.17	205.333	0.00	0.47	3.413	O	|	|	|	|	4.94
200.250	0.00	0.48	3.611	O	|	|	|	|	5.17	205.417	0.00	0.47	3.410	O	|	|	|	|	4.93
200.333	0.00	0.48	3.608	O	|	|	|	|	5.16	205.500	0.00	0.47	3.407	O	|	|	|	|	4.93
200.417	0.00	0.48	3.605	O	|	|	|	|	5.16	205.583	0.00	0.47	3.403	O	|	|	|	|	4.92
200.500	0.00	0.48	3.601	O	|	|	|	|	5.16	205.667	0.00	0.47	3.400	O	|	|	|	|	4.92
200.583	0.00	0.48	3.598	O	|	|	|	|	5.15	205.750	0.00	0.47	3.397	O	|	|	|	|	4.92
200.667	0.00	0.48	3.595	O	|	|	|	|	5.15	205.833	0.00	0.47	3.394	O	|	|	|	|	4.91
200.750	0.00	0.48	3.592	O	|	|	|	|	5.15	205.917	0.00	0.47	3.391	O	|	|	|	|	4.91
200.833	0.00	0.48	3.588	O	|	|	|	|	5.14	206.000	0.00	0.47	3.387	O	|	|	|	|	4.90
200.917	0.00	0.48	3.585	O	|	|	|	|	5.14	206.083	0.00	0.46	3.384	O	|	|	|	|	4.90
201.000	0.00	0.48	3.582	O	|	|	|	|	5.13	206.167	0.00	0.46	3.381	O	|	|	|	|	4.90
201.083	0.00	0.48	3.579	O	|	|	|	|	5.13	206.250	0.00	0.46	3.378	O	|	|	|	|	4.89
201.167	0.00	0.48	3.575	O	|	|	|	|	5.13	206.333	0.00	0.46	3.375	O	|	|	|	|	4.89
201.250	0.00	0.47	3.572	O	|	|	|	|	5.12	206.417	0.00	0.46	3.371	O	|	|	|	|	4.88
201.333	0.00	0.47	3.569	O	|	|	|	|	5.12	206.500	0.00	0.46	3.368	O	|	|	|	|	4.88
201.417	0.00	0.47	3.565	O	|	|	|	|	5.12	206.583	0.00	0.46	3.365	O	|	|	|	|	4.88
201.500	0.00	0.47	3.562	O	|	|	|	|	5.11	206.667	0.00	0.46	3.362	O	|	|	|	|	4.87
201.583	0.00	0.47	3.559	O	|	|	|	|	5.11	206.750	0.00	0.46	3.359	O	|	|	|	|	4.87
201.667	0.00	0.47	3.556	O	|	|	|	|	5.10	206.833	0.00	0.46	3.355	O	|	|	|	|	4.86
201.750	0.00	0.47	3.552	O	|	|	|	|	5.10	206.917	0.00	0.46	3.352	O	|	|	|	|	4.86
201.833	0.00	0.47	3.549	O	|	|	|	|	5.10	207.000	0.00	0.46	3.349	O	|	|	|	|	4.86
201.917	0.00	0.47	3.546	O	|	|	|	|	5.09	207.083	0.00	0.46	3.346	O	|	|	|	|	4.85
202.000	0.00	0.47	3.543	O	|	|	|	|	5.09	207.167	0.00	0.46	3.343	O	|	|	|	|	4.85
202.083	0.00	0.47	3.539	O	|	|	|	|	5.09	207.250	0.00	0.46	3.339	O	|	|	|	|	4.84
202.167	0.00	0.47	3.536	O	|	|	|	|	5.08	207.333	0.00	0.46	3.336	O	|	|	|	|	4.84
202.250	0.00	0.47	3.533	O	|	|	|	|	5.08	207.417	0.00	0.46	3.333	O	|	|	|	|	4.84
202.333	0.00	0.47	3.530	O	|	|	|	|	5.07	207.500	0.00	0.46	3.330	O	|	|	|	|	4.83
202.417	0.00	0.47	3.526	O	|	|	|	|	5.07	207.583	0.00	0.46	3.327	O	|	|	|	|	4.83
202.500	0.00	0.47	3.523	O	|	|	|	|	5.07	207.667	0.00	0.46	3.324	O	|	|	|	|	4.82
202.583	0.00	0.47	3.520	O	|	|	|	|	5.06	207.750	0.00	0.46	3.320	O	|	|	|	|	4.82
202.667	0.00	0.47	3.517	O	|	|	|	|	5.06	207.833	0.00	0.46	3.317	O	|	|	|	|	4.82
202.750	0.00	0.47	3.513	O	|	|	|	|	5.06	207.917	0.00	0.46	3.314	O	|	|	|	|	4.81
202.833	0.00	0.47	3.510	O	|	|	|	|	5.05	208.000	0.00	0.46	3.311	O	|	|	|	|	4.81
202.917	0.00	0.47	3.507	O	|	|	|	|	5.05	208.083	0.00	0.46	3.308	O	|	|	|	|	4.81
203.000	0.00	0.47	3.504	O	|	|	|	|	5.04	208.167	0.00	0.46	3.304	O	|	|	|	|	4.80
203.083	0.00	0.47	3.500	O	|	|	|	|	5.04	208.250	0.00	0.46	3.301	O	|	|	|	|	4.80
203.167	0.00	0.47	3.497	O	|	|	|	|	5.04	208.333	0.00	0.46	3.298	O	|	|	|	|	4.79
203.250	0.00	0.47	3.494	O	|	|	|	|	5.03	208.417	0.00	0.46	3.295	O	|	|	|	|	4.79
203.333	0.00	0.47	3.491	O	|	|	|	|	5.03	208.500	0.00	0.46	3.292	O	|	|	|	|	4.79
203.417	0.00	0.47	3.487	O	|	|	|	|	5.03	208.583	0.00	0.46	3.289	O	|	|	|	|	4.78
203.500	0.00	0.47	3.484	O	|	|	|	|	5.02	208.667	0.00	0.46	3.286	O	|	|	|	|	4.78
203.583	0.00	0.47	3.481	O	|	|	|	|	5.02	208.750	0.00	0.46	3.282	O	|	|	|	|	4.77
203.667	0.00	0.47	3.478	O	|	|	|	|	5.01	208.833	0.00	0.46	3.279	O	|	|	|	|	4.77
203.750	0.00	0.47	3.474	O	|	|	|	|	5.01	208.917	0.00	0.46	3.276	O	|	|	|	|	4.77
203.833	0.00	0.47	3.471	O	|	|	|	|	5.01	209.000	0.00	0.46	3.273	O	|	|	|	|	4.76
203.917	0.00	0.47	3.468	O	|	|	|	|	5.00	209.083	0.00	0.46	3.270	O	|	|	|	|	4.76
204.000	0.00	0.47	3.465	O	|	|	|	|	5.00	209.167	0.00	0.46	3.267	O	|	|	|	|	4.75
204.083	0.00	0.47	3.461	O	|	|	|	|	5.00	209.250	0.00	0.46	3.263	O	|	|	|	|	4.75
204.167	0.00	0.47	3.458	O	|	|	|	|	4.99	209.333	0.00	0.46	3.260	O	|	|	|	|	4.75
204.250	0.00	0.47	3.455	O	|	|	|	|	4.99	209.417	0.00	0.46	3.257	O	|	|	|	|	4.74
204.333	0.00	0.47	3.452	O	|	|	|	|	4.98	209.500	0.00	0.46	3.254	O	|	|	|	|	4.74
204.417	0.00	0.47	3.448	O	|	|	|	|	4.98	209.583	0.00	0.46	3.251	O	|	|	|	|	4.73
204.500	0.00	0.47	3.445	O	|	|	|	|	4.98	209.667	0.00	0.46	3.248	O	|	|	|	|	4.73
204.583	0.00	0.47	3.442	O	|	|	|	|	4.97	209.750	0.00	0.46	3.245	O	|	|	|	|	4.73
204.667	0.00	0.47	3.439	O	|	|	|	|	4.97	209.833	0.00	0.46	3.241	O	|	|	|	|	4.72
204.750	0.00	0.47	3.436	O	|	|	|	|	4.96	209.917	0.00	0.46	3.238	O	|	|	|	|	4.72
204.833	0.00	0.47	3.432	O	|	|	|	|	4.96	210.000	0.00	0.46	3.235	O	|	|	|	|	4.72

210.083	0.00	0.46	3.232	O	|	|	|	|	4.71	215.250	0.00	0.44	3.040	O	|	|	|	|	4.47
210.167	0.00	0.46	3.229	O	|	|	|	|	4.71	215.333	0.00	0.44	3.037	O	|	|	|	|	4.47
210.250	0.00	0.46	3.226	O	|	|	|	|	4.70	215.417	0.00	0.44	3.034	O	|	|	|	|	4.47
210.333	0.00	0.45	3.223	O	|	|	|	|	4.70	215.500	0.00	0.44	3.031	O	|	|	|	|	4.46
210.417	0.00	0.45	3.219	O	|	|	|	|	4.70	215.583	0.00	0.44	3.028	O	|	|	|	|	4.46
210.500	0.00	0.45	3.216	O	|	|	|	|	4.69	215.667	0.00	0.44	3.025	O	|	|	|	|	4.46
210.583	0.00	0.45	3.213	O	|	|	|	|	4.69	215.750	0.00	0.44	3.022	O	|	|	|	|	4.45
210.667	0.00	0.45	3.210	O	|	|	|	|	4.68	215.833	0.00	0.44	3.019	O	|	|	|	|	4.45
210.750	0.00	0.45	3.207	O	|	|	|	|	4.68	215.917	0.00	0.44	3.016	O	|	|	|	|	4.44
210.833	0.00	0.45	3.204	O	|	|	|	|	4.68	216.000	0.00	0.44	3.013	O	|	|	|	|	4.44
210.917	0.00	0.45	3.201	O	|	|	|	|	4.67	216.083	0.00	0.44	3.009	O	|	|	|	|	4.44
211.000	0.00	0.45	3.198	O	|	|	|	|	4.67	216.167	0.00	0.44	3.006	O	|	|	|	|	4.43
211.083	0.00	0.45	3.194	O	|	|	|	|	4.67	216.250	0.00	0.44	3.003	O	|	|	|	|	4.43
211.167	0.00	0.45	3.191	O	|	|	|	|	4.66	216.333	0.00	0.44	3.000	O	|	|	|	|	4.42
211.250	0.00	0.45	3.188	O	|	|	|	|	4.66	216.417	0.00	0.44	2.997	O	|	|	|	|	4.42
211.333	0.00	0.45	3.185	O	|	|	|	|	4.65	216.500	0.00	0.44	2.994	O	|	|	|	|	4.42
211.417	0.00	0.45	3.182	O	|	|	|	|	4.65	216.583	0.00	0.44	2.991	O	|	|	|	|	4.41
211.500	0.00	0.45	3.179	O	|	|	|	|	4.65	216.667	0.00	0.44	2.988	O	|	|	|	|	4.41
211.583	0.00	0.45	3.176	O	|	|	|	|	4.64	216.750	0.00	0.44	2.985	O	|	|	|	|	4.41
211.667	0.00	0.45	3.173	O	|	|	|	|	4.64	216.833	0.00	0.44	2.982	O	|	|	|	|	4.40
211.750	0.00	0.45	3.169	O	|	|	|	|	4.63	216.917	0.00	0.44	2.979	O	|	|	|	|	4.40
211.833	0.00	0.45	3.166	O	|	|	|	|	4.63	217.000	0.00	0.44	2.976	O	|	|	|	|	4.39
211.917	0.00	0.45	3.163	O	|	|	|	|	4.63	217.083	0.00	0.44	2.973	O	|	|	|	|	4.39
212.000	0.00	0.45	3.160	O	|	|	|	|	4.62	217.167	0.00	0.44	2.970	O	|	|	|	|	4.39
212.083	0.00	0.45	3.157	O	|	|	|	|	4.62	217.250	0.00	0.44	2.967	O	|	|	|	|	4.38
212.167	0.00	0.45	3.154	O	|	|	|	|	4.62	217.333	0.00	0.44	2.964	O	|	|	|	|	4.38
212.250	0.00	0.45	3.151	O	|	|	|	|	4.61	217.417	0.00	0.44	2.961	O	|	|	|	|	4.38
212.333	0.00	0.45	3.148	O	|	|	|	|	4.61	217.500	0.00	0.44	2.958	O	|	|	|	|	4.37
212.417	0.00	0.45	3.145	O	|	|	|	|	4.60	217.583	0.00	0.44	2.955	O	|	|	|	|	4.37
212.500	0.00	0.45	3.142	O	|	|	|	|	4.60	217.667	0.00	0.44	2.952	O	|	|	|	|	4.36
212.583	0.00	0.45	3.138	O	|	|	|	|	4.60	217.750	0.00	0.44	2.949	O	|	|	|	|	4.36
212.667	0.00	0.45	3.135	O	|	|	|	|	4.59	217.833	0.00	0.44	2.946	O	|	|	|	|	4.36
212.750	0.00	0.45	3.132	O	|	|	|	|	4.59	217.917	0.00	0.44	2.943	O	|	|	|	|	4.35
212.833	0.00	0.45	3.129	O	|	|	|	|	4.58	218.000	0.00	0.44	2.940	O	|	|	|	|	4.35
212.917	0.00	0.45	3.126	O	|	|	|	|	4.58	218.083	0.00	0.44	2.937	O	|	|	|	|	4.35
213.000	0.00	0.45	3.123	O	|	|	|	|	4.58	218.167	0.00	0.44	2.934	O	|	|	|	|	4.34
213.083	0.00	0.45	3.120	O	|	|	|	|	4.57	218.250	0.00	0.44	2.931	O	|	|	|	|	4.34
213.167	0.00	0.45	3.117	O	|	|	|	|	4.57	218.333	0.00	0.44	2.928	O	|	|	|	|	4.34
213.250	0.00	0.45	3.114	O	|	|	|	|	4.57	218.417	0.00	0.44	2.925	O	|	|	|	|	4.33
213.333	0.00	0.45	3.111	O	|	|	|	|	4.56	218.500	0.00	0.44	2.922	O	|	|	|	|	4.33
213.417	0.00	0.45	3.108	O	|	|	|	|	4.56	218.583	0.00	0.44	2.919	O	|	|	|	|	4.32
213.500	0.00	0.45	3.104	O	|	|	|	|	4.55	218.667	0.00	0.44	2.916	O	|	|	|	|	4.32
213.583	0.00	0.45	3.101	O	|	|	|	|	4.55	218.750	0.00	0.44	2.913	O	|	|	|	|	4.32
213.667	0.00	0.45	3.098	O	|	|	|	|	4.55	218.833	0.00	0.44	2.910	O	|	|	|	|	4.31
213.750	0.00	0.45	3.095	O	|	|	|	|	4.54	218.917	0.00	0.44	2.907	O	|	|	|	|	4.31
213.833	0.00	0.45	3.092	O	|	|	|	|	4.54	219.000	0.00	0.44	2.904	O	|	|	|	|	4.31
213.917	0.00	0.45	3.089	O	|	|	|	|	4.53	219.083	0.00	0.44	2.901	O	|	|	|	|	4.30
214.000	0.00	0.45	3.086	O	|	|	|	|	4.53	219.167	0.00	0.43	2.898	O	|	|	|	|	4.30
214.083	0.00	0.45	3.083	O	|	|	|	|	4.53	219.250	0.00	0.43	2.895	O	|	|	|	|	4.29
214.167	0.00	0.45	3.080	O	|	|	|	|	4.52	219.333	0.00	0.43	2.892	O	|	|	|	|	4.29
214.250	0.00	0.45	3.077	O	|	|	|	|	4.52	219.417	0.00	0.43	2.889	O	|	|	|	|	4.29
214.333	0.00	0.45	3.074	O	|	|	|	|	4.52	219.500	0.00	0.43	2.886	O	|	|	|	|	4.28
214.417	0.00	0.45	3.071	O	|	|	|	|	4.51	219.583	0.00	0.43	2.883	O	|	|	|	|	4.28
214.500	0.00	0.45	3.068	O	|	|	|	|	4.51	219.667	0.00	0.43	2.880	O	|	|	|	|	4.28
214.583	0.00	0.45	3.064	O	|	|	|	|	4.50	219.750	0.00	0.43	2.877	O	|	|	|	|	4.27
214.667	0.00	0.45	3.061	O	|	|	|	|	4.50	219.833	0.00	0.43	2.874	O	|	|	|	|	4.27
214.750	0.00	0.44	3.058	O	|	|	|	|	4.50	219.917	0.00	0.43	2.871	O	|	|	|	|	4.26
214.833	0.00	0.44	3.055	O	|	|	|	|	4.49	220.000	0.00	0.43	2.868	O	|	|	|	|	4.26
214.917	0.00	0.44	3.052	O	|	|	|	|	4.49	220.083	0.00	0.43	2.865	O	|	|	|	|	4.26
215.000	0.00	0.44	3.049	O	|	|	|	|	4.49	220.167	0.00	0.43	2.862	O	|	|	|	|	4.25
215.083	0.00	0.44	3.046	O	|	|	|	|	4.48	220.250	0.00	0.43	2.859	O	|	|	|	|	4.25
215.167	0.00	0.44	3.043	O	|	|	|	|	4.48	220.333	0.00	0.43	2.856	O	|	|	|	|	4.25

220.417	0.00	0.43	2.853	O	|	|	|	|	4.24	225.583	0.00	0.42	2.671	O	|	|	|	|	4.02
220.500	0.00	0.43	2.850	O	|	|	|	|	4.24	225.667	0.00	0.42	2.668	O	|	|	|	|	4.01
220.583	0.00	0.43	2.847	O	|	|	|	|	4.24	225.750	0.00	0.42	2.665	O	|	|	|	|	4.01
220.667	0.00	0.43	2.844	O	|	|	|	|	4.23	225.833	0.00	0.42	2.662	O	|	|	|	|	4.01
220.750	0.00	0.43	2.841	O	|	|	|	|	4.23	225.917	0.00	0.42	2.659	O	|	|	|	|	4.00
220.833	0.00	0.43	2.838	O	|	|	|	|	4.22	226.000	0.00	0.42	2.656	O	|	|	|	|	4.00
220.917	0.00	0.43	2.835	O	|	|	|	|	4.22	226.083	0.00	0.42	2.654	O	|	|	|	|	4.00
221.000	0.00	0.43	2.832	O	|	|	|	|	4.22	226.167	0.00	0.42	2.651	O	|	|	|	|	3.99
221.083	0.00	0.43	2.829	O	|	|	|	|	4.21	226.250	0.00	0.42	2.648	O	|	|	|	|	3.99
221.167	0.00	0.43	2.826	O	|	|	|	|	4.21	226.333	0.00	0.42	2.645	O	|	|	|	|	3.98
221.250	0.00	0.43	2.823	O	|	|	|	|	4.21	226.417	0.00	0.42	2.642	O	|	|	|	|	3.98
221.333	0.00	0.43	2.820	O	|	|	|	|	4.20	226.500	0.00	0.42	2.639	O	|	|	|	|	3.98
221.417	0.00	0.43	2.817	O	|	|	|	|	4.20	226.583	0.00	0.42	2.636	O	|	|	|	|	3.97
221.500	0.00	0.43	2.814	O	|	|	|	|	4.19	226.667	0.00	0.42	2.633	O	|	|	|	|	3.97
221.583	0.00	0.43	2.811	O	|	|	|	|	4.19	226.750	0.00	0.42	2.630	O	|	|	|	|	3.96
221.667	0.00	0.43	2.809	O	|	|	|	|	4.19	226.833	0.00	0.42	2.628	O	|	|	|	|	3.96
221.750	0.00	0.43	2.806	O	|	|	|	|	4.18	226.917	0.00	0.42	2.625	O	|	|	|	|	3.96
221.833	0.00	0.43	2.803	O	|	|	|	|	4.18	227.000	0.00	0.42	2.622	O	|	|	|	|	3.95
221.917	0.00	0.43	2.800	O	|	|	|	|	4.18	227.083	0.00	0.42	2.619	O	|	|	|	|	3.95
222.000	0.00	0.43	2.797	O	|	|	|	|	4.17	227.167	0.00	0.42	2.616	O	|	|	|	|	3.95
222.083	0.00	0.43	2.794	O	|	|	|	|	4.17	227.250	0.00	0.42	2.613	O	|	|	|	|	3.94
222.167	0.00	0.43	2.791	O	|	|	|	|	4.17	227.333	0.00	0.42	2.610	O	|	|	|	|	3.94
222.250	0.00	0.43	2.788	O	|	|	|	|	4.16	227.417	0.00	0.42	2.607	O	|	|	|	|	3.93
222.333	0.00	0.43	2.785	O	|	|	|	|	4.16	227.500	0.00	0.42	2.605	O	|	|	|	|	3.93
222.417	0.00	0.43	2.782	O	|	|	|	|	4.15	227.583	0.00	0.42	2.602	O	|	|	|	|	3.93
222.500	0.00	0.43	2.779	O	|	|	|	|	4.15	227.667	0.00	0.42	2.599	O	|	|	|	|	3.92
222.583	0.00	0.43	2.776	O	|	|	|	|	4.15	227.750	0.00	0.42	2.596	O	|	|	|	|	3.92
222.667	0.00	0.43	2.773	O	|	|	|	|	4.14	227.833	0.00	0.41	2.593	O	|	|	|	|	3.91
222.750	0.00	0.43	2.770	O	|	|	|	|	4.14	227.917	0.00	0.41	2.590	O	|	|	|	|	3.91
222.833	0.00	0.43	2.767	O	|	|	|	|	4.14	228.000	0.00	0.41	2.587	O	|	|	|	|	3.91
222.917	0.00	0.43	2.764	O	|	|	|	|	4.13	228.083	0.00	0.41	2.585	O	|	|	|	|	3.90
223.000	0.00	0.43	2.761	O	|	|	|	|	4.13	228.167	0.00	0.41	2.582	O	|	|	|	|	3.90
223.083	0.00	0.43	2.758	O	|	|	|	|	4.13	228.250	0.00	0.41	2.579	O	|	|	|	|	3.90
223.167	0.00	0.43	2.755	O	|	|	|	|	4.12	228.333	0.00	0.41	2.576	O	|	|	|	|	3.89
223.250	0.00	0.43	2.753	O	|	|	|	|	4.12	228.417	0.00	0.41	2.573	O	|	|	|	|	3.89
223.333	0.00	0.43	2.750	O	|	|	|	|	4.11	228.500	0.00	0.41	2.570	O	|	|	|	|	3.88
223.417	0.00	0.43	2.747	O	|	|	|	|	4.11	228.583	0.00	0.41	2.568	O	|	|	|	|	3.88
223.500	0.00	0.43	2.744	O	|	|	|	|	4.11	228.667	0.00	0.41	2.565	O	|	|	|	|	3.88
223.583	0.00	0.43	2.741	O	|	|	|	|	4.10	228.750	0.00	0.41	2.562	O	|	|	|	|	3.87
223.667	0.00	0.43	2.738	O	|	|	|	|	4.10	228.833	0.00	0.41	2.559	O	|	|	|	|	3.87
223.750	0.00	0.42	2.735	O	|	|	|	|	4.10	228.917	0.00	0.41	2.556	O	|	|	|	|	3.87
223.833	0.00	0.42	2.732	O	|	|	|	|	4.09	229.000	0.00	0.41	2.553	O	|	|	|	|	3.86
223.917	0.00	0.42	2.729	O	|	|	|	|	4.09	229.083	0.00	0.41	2.551	O	|	|	|	|	3.86
224.000	0.00	0.42	2.726	O	|	|	|	|	4.09	229.167	0.00	0.41	2.548	O	|	|	|	|	3.85
224.083	0.00	0.42	2.723	O	|	|	|	|	4.08	229.250	0.00	0.41	2.545	O	|	|	|	|	3.85
224.167	0.00	0.42	2.720	O	|	|	|	|	4.08	229.333	0.00	0.41	2.542	O	|	|	|	|	3.85
224.250	0.00	0.42	2.717	O	|	|	|	|	4.07	229.417	0.00	0.41	2.539	O	|	|	|	|	3.84
224.333	0.00	0.42	2.715	O	|	|	|	|	4.07	229.500	0.00	0.41	2.536	O	|	|	|	|	3.84
224.417	0.00	0.42	2.712	O	|	|	|	|	4.07	229.583	0.00	0.41	2.534	O	|	|	|	|	3.84
224.500	0.00	0.42	2.709	O	|	|	|	|	4.06	229.667	0.00	0.41	2.531	O	|	|	|	|	3.83
224.583	0.00	0.42	2.706	O	|	|	|	|	4.06	229.750	0.00	0.41	2.528	O	|	|	|	|	3.83
224.667	0.00	0.42	2.703	O	|	|	|	|	4.06	229.833	0.00	0.41	2.525	O	|	|	|	|	3.82
224.750	0.00	0.42	2.700	O	|	|	|	|	4.05	229.917	0.00	0.41	2.522	O	|	|	|	|	3.82
224.833	0.00	0.42	2.697	O	|	|	|	|	4.05	230.000	0.00	0.41	2.519	O	|	|	|	|	3.82
224.917	0.00	0.42	2.694	O	|	|	|	|	4.05	230.083	0.00	0.41	2.517	O	|	|	|	|	3.81
225.000	0.00	0.42	2.691	O	|	|	|	|	4.04	230.167	0.00	0.41	2.514	O	|	|	|	|	3.81
225.083	0.00	0.42	2.688	O	|	|	|	|	4.04	230.250	0.00	0.41	2.511	O	|	|	|	|	3.81
225.167	0.00	0.42	2.685	O	|	|	|	|	4.04	230.333	0.00	0.41	2.508	O	|	|	|	|	3.80
225.250	0.00	0.42	2.683	O	|	|	|	|	4.03	230.417	0.00	0.41	2.505	O	|	|	|	|	3.80
225.333	0.00	0.42	2.680	O	|	|	|	|	4.03	230.500	0.00	0.41	2.503	O	|	|	|	|	3.79
225.417	0.00	0.42	2.677	O	|	|	|	|	4.02	230.583	0.00	0.41	2.500	O	|	|	|	|	3.79
225.500	0.00	0.42	2.674	O	|	|	|	|	4.02	230.667	0.00	0.41	2.497	O	|	|	|	|	3.79

230.750	0.00	0.41	2.494	O	|	|	|	|	3.78	235.917	0.00	0.39	2.323	O	|	|	|	|	3.55
230.833	0.00	0.41	2.491	O	|	|	|	|	3.78	236.000	0.00	0.39	2.321	O	|	|	|	|	3.55
230.917	0.00	0.41	2.489	O	|	|	|	|	3.78	236.083	0.00	0.39	2.318	O	|	|	|	|	3.55
231.000	0.00	0.41	2.486	O	|	|	|	|	3.77	236.167	0.00	0.39	2.315	O	|	|	|	|	3.54
231.083	0.00	0.41	2.483	O	|	|	|	|	3.77	236.250	0.00	0.39	2.312	O	|	|	|	|	3.54
231.167	0.00	0.41	2.480	O	|	|	|	|	3.76	236.333	0.00	0.39	2.310	O	|	|	|	|	3.54
231.250	0.00	0.41	2.477	O	|	|	|	|	3.76	236.417	0.00	0.39	2.307	O	|	|	|	|	3.53
231.333	0.00	0.41	2.475	O	|	|	|	|	3.76	236.500	0.00	0.39	2.304	O	|	|	|	|	3.53
231.417	0.00	0.41	2.472	O	|	|	|	|	3.75	236.583	0.00	0.39	2.302	O	|	|	|	|	3.53
231.500	0.00	0.40	2.469	O	|	|	|	|	3.75	236.667	0.00	0.39	2.299	O	|	|	|	|	3.52
231.583	0.00	0.40	2.466	O	|	|	|	|	3.75	236.750	0.00	0.39	2.296	O	|	|	|	|	3.52
231.667	0.00	0.40	2.463	O	|	|	|	|	3.74	236.833	0.00	0.39	2.294	O	|	|	|	|	3.51
231.750	0.00	0.40	2.461	O	|	|	|	|	3.74	236.917	0.00	0.39	2.291	O	|	|	|	|	3.51
231.833	0.00	0.40	2.458	O	|	|	|	|	3.73	237.000	0.00	0.39	2.288	O	|	|	|	|	3.51
231.917	0.00	0.40	2.455	O	|	|	|	|	3.73	237.083	0.00	0.39	2.286	O	|	|	|	|	3.50
232.000	0.00	0.40	2.452	O	|	|	|	|	3.73	237.167	0.00	0.39	2.283	O	|	|	|	|	3.50
232.083	0.00	0.40	2.449	O	|	|	|	|	3.72	237.250	0.00	0.39	2.280	O	|	|	|	|	3.50
232.167	0.00	0.40	2.447	O	|	|	|	|	3.72	237.333	0.00	0.39	2.277	O	|	|	|	|	3.49
232.250	0.00	0.40	2.444	O	|	|	|	|	3.72	237.417	0.00	0.39	2.275	O	|	|	|	|	3.49
232.333	0.00	0.40	2.441	O	|	|	|	|	3.71	237.500	0.00	0.39	2.272	O	|	|	|	|	3.49
232.417	0.00	0.40	2.438	O	|	|	|	|	3.71	237.583	0.00	0.39	2.269	O	|	|	|	|	3.48
232.500	0.00	0.40	2.436	O	|	|	|	|	3.70	237.667	0.00	0.39	2.267	O	|	|	|	|	3.48
232.583	0.00	0.40	2.433	O	|	|	|	|	3.70	237.750	0.00	0.39	2.264	O	|	|	|	|	3.48
232.667	0.00	0.40	2.430	O	|	|	|	|	3.70	237.833	0.00	0.39	2.261	O	|	|	|	|	3.47
232.750	0.00	0.40	2.427	O	|	|	|	|	3.69	237.917	0.00	0.39	2.259	O	|	|	|	|	3.47
232.833	0.00	0.40	2.425	O	|	|	|	|	3.69	238.000	0.00	0.39	2.256	O	|	|	|	|	3.46
232.917	0.00	0.40	2.422	O	|	|	|	|	3.69	238.083	0.00	0.39	2.253	O	|	|	|	|	3.46
233.000	0.00	0.40	2.419	O	|	|	|	|	3.68	238.167	0.00	0.39	2.251	O	|	|	|	|	3.46
233.083	0.00	0.40	2.416	O	|	|	|	|	3.68	238.250	0.00	0.39	2.248	O	|	|	|	|	3.45
233.167	0.00	0.40	2.414	O	|	|	|	|	3.67	238.333	0.00	0.39	2.245	O	|	|	|	|	3.45
233.250	0.00	0.40	2.411	O	|	|	|	|	3.67	238.417	0.00	0.39	2.243	O	|	|	|	|	3.45
233.333	0.00	0.40	2.408	O	|	|	|	|	3.67	238.500	0.00	0.39	2.240	O	|	|	|	|	3.44
233.417	0.00	0.40	2.405	O	|	|	|	|	3.66	238.583	0.00	0.39	2.237	O	|	|	|	|	3.44
233.500	0.00	0.40	2.402	O	|	|	|	|	3.66	238.667	0.00	0.39	2.235	O	|	|	|	|	3.44
233.583	0.00	0.40	2.400	O	|	|	|	|	3.66	238.750	0.00	0.39	2.232	O	|	|	|	|	3.43
233.667	0.00	0.40	2.397	O	|	|	|	|	3.65	238.833	0.00	0.39	2.229	O	|	|	|	|	3.43
233.750	0.00	0.40	2.394	O	|	|	|	|	3.65	238.917	0.00	0.39	2.227	O	|	|	|	|	3.43
233.833	0.00	0.40	2.391	O	|	|	|	|	3.65	239.000	0.00	0.39	2.224	O	|	|	|	|	3.42
233.917	0.00	0.40	2.389	O	|	|	|	|	3.64	239.083	0.00	0.39	2.221	O	|	|	|	|	3.42
234.000	0.00	0.40	2.386	O	|	|	|	|	3.64	239.167	0.00	0.38	2.219	O	|	|	|	|	3.41
234.083	0.00	0.40	2.383	O	|	|	|	|	3.63	239.250	0.00	0.38	2.216	O	|	|	|	|	3.41
234.167	0.00	0.40	2.381	O	|	|	|	|	3.63	239.333	0.00	0.38	2.214	O	|	|	|	|	3.41
234.250	0.00	0.40	2.378	O	|	|	|	|	3.63	239.417	0.00	0.38	2.211	O	|	|	|	|	3.40
234.333	0.00	0.40	2.375	O	|	|	|	|	3.62	239.500	0.00	0.38	2.208	O	|	|	|	|	3.40
234.417	0.00	0.40	2.372	O	|	|	|	|	3.62	239.583	0.00	0.38	2.206	O	|	|	|	|	3.40
234.500	0.00	0.40	2.370	O	|	|	|	|	3.62	239.667	0.00	0.38	2.203	O	|	|	|	|	3.39
234.583	0.00	0.40	2.367	O	|	|	|	|	3.61	239.750	0.00	0.38	2.200	O	|	|	|	|	3.39
234.667	0.00	0.40	2.364	O	|	|	|	|	3.61	239.833	0.00	0.38	2.198	O	|	|	|	|	3.39
234.750	0.00	0.40	2.361	O	|	|	|	|	3.61	239.917	0.00	0.38	2.195	O	|	|	|	|	3.38
234.833	0.00	0.40	2.359	O	|	|	|	|	3.60	240.000	0.00	0.38	2.192	O	|	|	|	|	3.38
234.917	0.00	0.40	2.356	O	|	|	|	|	3.60	240.083	0.00	0.38	2.190	O	|	|	|	|	3.38
235.000	0.00	0.40	2.353	O	|	|	|	|	3.59	240.167	0.00	0.38	2.187	O	|	|	|	|	3.37
235.083	0.00	0.40	2.350	O	|	|	|	|	3.59	240.250	0.00	0.38	2.184	O	|	|	|	|	3.37
235.167	0.00	0.40	2.348	O	|	|	|	|	3.59	240.333	0.00	0.38	2.182	O	|	|	|	|	3.37
235.250	0.00	0.40	2.345	O	|	|	|	|	3.58	240.417	0.00	0.38	2.179	O	|	|	|	|	3.36
235.333	0.00	0.39	2.342	O	|	|	|	|	3.58	240.500	0.00	0.38	2.177	O	|	|	|	|	3.36
235.417	0.00	0.39	2.340	O	|	|	|	|	3.58	240.583	0.00	0.38	2.174	O	|	|	|	|	3.36
235.500	0.00	0.39	2.337	O	|	|	|	|	3.57	240.667	0.00	0.38	2.171	O	|	|	|	|	3.35
235.583	0.00	0.39	2.334	O	|	|	|	|	3.57	240.750	0.00	0.38	2.169	O	|	|	|	|	3.35
235.667	0.00	0.39	2.331	O	|	|	|	|	3.57	240.833	0.00	0.38	2.166	O	|	|	|	|	3.34
235.750	0.00	0.39	2.329	O	|	|	|	|	3.56	240.917	0.00	0.38	2.163	O	|	|	|	|	3.34
235.833	0.00	0.39	2.326	O	|	|	|	|	3.56	241.000	0.00	0.38	2.161	O	|	|	|	|	3.34

241.083	0.00	0.38	2.158	O	|	|	|	|	3.33	246.250	0.00	0.37	1.999	O	|	|	|	|	3.12
241.167	0.00	0.38	2.156	O	|	|	|	|	3.33	246.333	0.00	0.37	1.996	O	|	|	|	|	3.12
241.250	0.00	0.38	2.153	O	|	|	|	|	3.33	246.417	0.00	0.37	1.994	O	|	|	|	|	3.11
241.333	0.00	0.38	2.150	O	|	|	|	|	3.32	246.500	0.00	0.37	1.991	O	|	|	|	|	3.11
241.417	0.00	0.38	2.148	O	|	|	|	|	3.32	246.583	0.00	0.37	1.989	O	|	|	|	|	3.11
241.500	0.00	0.38	2.145	O	|	|	|	|	3.32	246.667	0.00	0.37	1.986	O	|	|	|	|	3.10
241.583	0.00	0.38	2.143	O	|	|	|	|	3.31	246.750	0.00	0.37	1.984	O	|	|	|	|	3.10
241.667	0.00	0.38	2.140	O	|	|	|	|	3.31	246.833	0.00	0.37	1.981	O	|	|	|	|	3.10
241.750	0.00	0.38	2.137	O	|	|	|	|	3.31	246.917	0.00	0.37	1.979	O	|	|	|	|	3.09
241.833	0.00	0.38	2.135	O	|	|	|	|	3.30	247.000	0.00	0.37	1.976	O	|	|	|	|	3.09
241.917	0.00	0.38	2.132	O	|	|	|	|	3.30	247.083	0.00	0.37	1.973	O	|	|	|	|	3.09
242.000	0.00	0.38	2.130	O	|	|	|	|	3.30	247.167	0.00	0.37	1.971	O	|	|	|	|	3.08
242.083	0.00	0.38	2.127	O	|	|	|	|	3.29	247.250	0.00	0.36	1.968	O	|	|	|	|	3.08
242.167	0.00	0.38	2.124	O	|	|	|	|	3.29	247.333	0.00	0.36	1.966	O	|	|	|	|	3.08
242.250	0.00	0.38	2.122	O	|	|	|	|	3.29	247.417	0.00	0.36	1.963	O	|	|	|	|	3.07
242.333	0.00	0.38	2.119	O	|	|	|	|	3.28	247.500	0.00	0.36	1.961	O	|	|	|	|	3.07
242.417	0.00	0.38	2.117	O	|	|	|	|	3.28	247.583	0.00	0.36	1.958	O	|	|	|	|	3.07
242.500	0.00	0.38	2.114	O	|	|	|	|	3.27	247.667	0.00	0.36	1.956	O	|	|	|	|	3.06
242.583	0.00	0.38	2.111	O	|	|	|	|	3.27	247.750	0.00	0.36	1.953	O	|	|	|	|	3.06
242.667	0.00	0.38	2.109	O	|	|	|	|	3.27	247.833	0.00	0.36	1.951	O	|	|	|	|	3.06
242.750	0.00	0.38	2.106	O	|	|	|	|	3.26	247.917	0.00	0.36	1.948	O	|	|	|	|	3.05
242.833	0.00	0.38	2.104	O	|	|	|	|	3.26	248.000	0.00	0.36	1.946	O	|	|	|	|	3.05
242.917	0.00	0.38	2.101	O	|	|	|	|	3.26	248.083	0.00	0.36	1.943	O	|	|	|	|	3.05
243.000	0.00	0.38	2.098	O	|	|	|	|	3.25	248.167	0.00	0.36	1.941	O	|	|	|	|	3.04
243.083	0.00	0.38	2.096	O	|	|	|	|	3.25	248.250	0.00	0.36	1.938	O	|	|	|	|	3.04
243.167	0.00	0.37	2.093	O	|	|	|	|	3.25	248.333	0.00	0.36	1.936	O	|	|	|	|	3.04
243.250	0.00	0.37	2.091	O	|	|	|	|	3.24	248.417	0.00	0.36	1.933	O	|	|	|	|	3.03
243.333	0.00	0.37	2.088	O	|	|	|	|	3.24	248.500	0.00	0.36	1.931	O	|	|	|	|	3.03
243.417	0.00	0.37	2.086	O	|	|	|	|	3.24	248.583	0.00	0.36	1.928	O	|	|	|	|	3.03
243.500	0.00	0.37	2.083	O	|	|	|	|	3.23	248.667	0.00	0.36	1.926	O	|	|	|	|	3.02
243.583	0.00	0.37	2.080	O	|	|	|	|	3.23	248.750	0.00	0.36	1.923	O	|	|	|	|	3.02
243.667	0.00	0.37	2.078	O	|	|	|	|	3.23	248.833	0.00	0.36	1.921	O	|	|	|	|	3.02
243.750	0.00	0.37	2.075	O	|	|	|	|	3.22	248.917	0.00	0.36	1.918	O	|	|	|	|	3.01
243.833	0.00	0.37	2.073	O	|	|	|	|	3.22	249.000	0.00	0.36	1.916	O	|	|	|	|	3.01
243.917	0.00	0.37	2.070	O	|	|	|	|	3.22	249.083	0.00	0.36	1.913	O	|	|	|	|	3.01
244.000	0.00	0.37	2.067	O	|	|	|	|	3.21	249.167	0.00	0.36	1.911	O	|	|	|	|	3.00
244.083	0.00	0.37	2.065	O	|	|	|	|	3.21	249.250	0.00	0.36	1.909	O	|	|	|	|	3.00
244.167	0.00	0.37	2.062	O	|	|	|	|	3.21	249.333	0.00	0.36	1.906	O	|	|	|	|	3.00
244.250	0.00	0.37	2.060	O	|	|	|	|	3.20	249.417	0.00	0.36	1.904	O	|	|	|	|	2.99
244.333	0.00	0.37	2.057	O	|	|	|	|	3.20	249.500	0.00	0.36	1.901	O	|	|	|	|	2.99
244.417	0.00	0.37	2.055	O	|	|	|	|	3.20	249.583	0.00	0.36	1.899	O	|	|	|	|	2.99
244.500	0.00	0.37	2.052	O	|	|	|	|	3.19	249.667	0.00	0.36	1.896	O	|	|	|	|	2.98
244.583	0.00	0.37	2.050	O	|	|	|	|	3.19	249.750	0.00	0.36	1.894	O	|	|	|	|	2.98
244.667	0.00	0.37	2.047	O	|	|	|	|	3.19	249.833	0.00	0.36	1.891	O	|	|	|	|	2.98
244.750	0.00	0.37	2.044	O	|	|	|	|	3.18	249.917	0.00	0.36	1.889	O	|	|	|	|	2.97
244.833	0.00	0.37	2.042	O	|	|	|	|	3.18	250.000	0.00	0.36	1.886	O	|	|	|	|	2.97
244.917	0.00	0.37	2.039	O	|	|	|	|	3.18	250.083	0.00	0.36	1.884	O	|	|	|	|	2.97
245.000	0.00	0.37	2.037	O	|	|	|	|	3.17	250.167	0.00	0.36	1.881	O	|	|	|	|	2.96
245.083	0.00	0.37	2.034	O	|	|	|	|	3.17	250.250	0.00	0.36	1.879	O	|	|	|	|	2.96
245.167	0.00	0.37	2.032	O	|	|	|	|	3.17	250.333	0.00	0.36	1.876	O	|	|	|	|	2.95
245.250	0.00	0.37	2.029	O	|	|	|	|	3.16	250.417	0.00	0.36	1.874	O	|	|	|	|	2.95
245.333	0.00	0.37	2.027	O	|	|	|	|	3.16	250.500	0.00	0.36	1.872	O	|	|	|	|	2.95
245.417	0.00	0.37	2.024	O	|	|	|	|	3.15	250.583	0.00	0.36	1.869	O	|	|	|	|	2.94
245.500	0.00	0.37	2.022	O	|	|	|	|	3.15	250.667	0.00	0.36	1.867	O	|	|	|	|	2.94
245.583	0.00	0.37	2.019	O	|	|	|	|	3.15	250.750	0.00	0.36	1.864	O	|	|	|	|	2.94
245.667	0.00	0.37	2.016	O	|	|	|	|	3.14	250.833	0.00	0.36	1.862	O	|	|	|	|	2.93
245.750	0.00	0.37	2.014	O	|	|	|	|	3.14	250.917	0.00	0.36	1.859	O	|	|	|	|	2.93
245.833	0.00	0.37	2.011	O	|	|	|	|	3.14	251.000	0.00	0.35	1.857	O	|	|	|	|	2.93
245.917	0.00	0.37	2.009	O	|	|	|	|	3.13	251.083	0.00	0.35	1.854	O	|	|	|	|	2.92
246.000	0.00	0.37	2.006	O	|	|	|	|	3.13	251.167	0.00	0.35	1.852	O	|	|	|	|	2.92
246.083	0.00	0.37	2.004	O	|	|	|	|	3.13	251.250	0.00	0.35	1.850	O	|	|	|	|	2.92
246.167	0.00	0.37	2.001	O	|	|	|	|	3.12	251.333	0.00	0.35	1.847	O	|	|	|	|	2.91

251.417	0.00	0.35	1.845	O	|	|	|	|	2.91	256.583	0.00	0.34	1.697	O	|	|	|	|	2.69
251.500	0.00	0.35	1.842	O	|	|	|	|	2.90	256.667	0.00	0.34	1.695	O	|	|	|	|	2.69
251.583	0.00	0.35	1.840	O	|	|	|	|	2.90	256.750	0.00	0.34	1.692	O	|	|	|	|	2.69
251.667	0.00	0.35	1.837	O	|	|	|	|	2.90	256.833	0.00	0.34	1.690	O	|	|	|	|	2.68
251.750	0.00	0.35	1.835	O	|	|	|	|	2.89	256.917	0.00	0.34	1.688	O	|	|	|	|	2.68
251.833	0.00	0.35	1.832	O	|	|	|	|	2.89	257.000	0.00	0.34	1.685	O	|	|	|	|	2.68
251.917	0.00	0.35	1.830	O	|	|	|	|	2.89	257.083	0.00	0.34	1.683	O	|	|	|	|	2.67
252.000	0.00	0.35	1.828	O	|	|	|	|	2.88	257.167	0.00	0.34	1.681	O	|	|	|	|	2.67
252.083	0.00	0.35	1.825	O	|	|	|	|	2.88	257.250	0.00	0.34	1.678	O	|	|	|	|	2.67
252.167	0.00	0.35	1.823	O	|	|	|	|	2.88	257.333	0.00	0.34	1.676	O	|	|	|	|	2.66
252.250	0.00	0.35	1.820	O	|	|	|	|	2.87	257.417	0.00	0.34	1.674	O	|	|	|	|	2.66
252.333	0.00	0.35	1.818	O	|	|	|	|	2.87	257.500	0.00	0.34	1.671	O	|	|	|	|	2.66
252.417	0.00	0.35	1.816	O	|	|	|	|	2.87	257.583	0.00	0.34	1.669	O	|	|	|	|	2.65
252.500	0.00	0.35	1.813	O	|	|	|	|	2.86	257.667	0.00	0.34	1.667	O	|	|	|	|	2.65
252.583	0.00	0.35	1.811	O	|	|	|	|	2.86	257.750	0.00	0.34	1.664	O	|	|	|	|	2.65
252.667	0.00	0.35	1.808	O	|	|	|	|	2.86	257.833	0.00	0.34	1.662	O	|	|	|	|	2.64
252.750	0.00	0.35	1.806	O	|	|	|	|	2.85	257.917	0.00	0.33	1.660	O	|	|	|	|	2.64
252.833	0.00	0.35	1.803	O	|	|	|	|	2.85	258.000	0.00	0.33	1.657	O	|	|	|	|	2.64
252.917	0.00	0.35	1.801	O	|	|	|	|	2.85	258.083	0.00	0.33	1.655	O	|	|	|	|	2.63
253.000	0.00	0.35	1.799	O	|	|	|	|	2.84	258.167	0.00	0.33	1.653	O	|	|	|	|	2.63
253.083	0.00	0.35	1.796	O	|	|	|	|	2.84	258.250	0.00	0.33	1.651	O	|	|	|	|	2.63
253.167	0.00	0.35	1.794	O	|	|	|	|	2.83	258.333	0.00	0.33	1.648	O	|	|	|	|	2.62
253.250	0.00	0.35	1.791	O	|	|	|	|	2.83	258.417	0.00	0.33	1.646	O	|	|	|	|	2.62
253.333	0.00	0.35	1.789	O	|	|	|	|	2.83	258.500	0.00	0.33	1.644	O	|	|	|	|	2.62
253.417	0.00	0.35	1.787	O	|	|	|	|	2.82	258.583	0.00	0.33	1.641	O	|	|	|	|	2.61
253.500	0.00	0.35	1.784	O	|	|	|	|	2.82	258.667	0.00	0.33	1.639	O	|	|	|	|	2.61
253.583	0.00	0.35	1.782	O	|	|	|	|	2.82	258.750	0.00	0.33	1.637	O	|	|	|	|	2.61
253.667	0.00	0.35	1.780	O	|	|	|	|	2.81	258.833	0.00	0.33	1.635	O	|	|	|	|	2.60
253.750	0.00	0.35	1.777	O	|	|	|	|	2.81	258.917	0.00	0.33	1.632	O	|	|	|	|	2.60
253.833	0.00	0.35	1.775	O	|	|	|	|	2.81	259.000	0.00	0.33	1.630	O	|	|	|	|	2.60
253.917	0.00	0.35	1.772	O	|	|	|	|	2.80	259.083	0.00	0.33	1.628	O	|	|	|	|	2.59
254.000	0.00	0.35	1.770	O	|	|	|	|	2.80	259.167	0.00	0.33	1.625	O	|	|	|	|	2.59
254.083	0.00	0.35	1.768	O	|	|	|	|	2.80	259.250	0.00	0.33	1.623	O	|	|	|	|	2.59
254.167	0.00	0.35	1.765	O	|	|	|	|	2.79	259.333	0.00	0.33	1.621	O	|	|	|	|	2.58
254.250	0.00	0.35	1.763	O	|	|	|	|	2.79	259.417	0.00	0.33	1.619	O	|	|	|	|	2.58
254.333	0.00	0.35	1.760	O	|	|	|	|	2.79	259.500	0.00	0.33	1.616	O	|	|	|	|	2.58
254.417	0.00	0.34	1.758	O	|	|	|	|	2.78	259.583	0.00	0.33	1.614	O	|	|	|	|	2.57
254.500	0.00	0.34	1.756	O	|	|	|	|	2.78	259.667	0.00	0.33	1.612	O	|	|	|	|	2.57
254.583	0.00	0.34	1.753	O	|	|	|	|	2.78	259.750	0.00	0.33	1.609	O	|	|	|	|	2.57
254.667	0.00	0.34	1.751	O	|	|	|	|	2.77	259.833	0.00	0.33	1.607	O	|	|	|	|	2.56
254.750	0.00	0.34	1.749	O	|	|	|	|	2.77	259.917	0.00	0.33	1.605	O	|	|	|	|	2.56
254.833	0.00	0.34	1.746	O	|	|	|	|	2.77	260.000	0.00	0.33	1.603	O	|	|	|	|	2.56
254.917	0.00	0.34	1.744	O	|	|	|	|	2.76	260.083	0.00	0.33	1.600	O	|	|	|	|	2.55
255.000	0.00	0.34	1.741	O	|	|	|	|	2.76	260.167	0.00	0.33	1.598	O	|	|	|	|	2.55
255.083	0.00	0.34	1.739	O	|	|	|	|	2.76	260.250	0.00	0.33	1.596	O	|	|	|	|	2.55
255.167	0.00	0.34	1.737	O	|	|	|	|	2.75	260.333	0.00	0.33	1.594	O	|	|	|	|	2.54
255.250	0.00	0.34	1.734	O	|	|	|	|	2.75	260.417	0.00	0.33	1.591	O	|	|	|	|	2.54
255.333	0.00	0.34	1.732	O	|	|	|	|	2.75	260.500	0.00	0.33	1.589	O	|	|	|	|	2.54
255.417	0.00	0.34	1.730	O	|	|	|	|	2.74	260.583	0.00	0.33	1.587	O	|	|	|	|	2.54
255.500	0.00	0.34	1.727	O	|	|	|	|	2.74	260.667	0.00	0.33	1.585	O	|	|	|	|	2.53
255.583	0.00	0.34	1.725	O	|	|	|	|	2.74	260.750	0.00	0.33	1.582	O	|	|	|	|	2.53
255.667	0.00	0.34	1.723	O	|	|	|	|	2.73	260.833	0.00	0.33	1.580	O	|	|	|	|	2.53
255.750	0.00	0.34	1.720	O	|	|	|	|	2.73	260.917	0.00	0.33	1.578	O	|	|	|	|	2.52
255.833	0.00	0.34	1.718	O	|	|	|	|	2.72	261.000	0.00	0.33	1.576	O	|	|	|	|	2.52
255.917	0.00	0.34	1.716	O	|	|	|	|	2.72	261.083	0.00	0.33	1.573	O	|	|	|	|	2.52
256.000	0.00	0.34	1.713	O	|	|	|	|	2.72	261.167	0.00	0.33	1.571	O	|	|	|	|	2.51
256.083	0.00	0.34	1.711	O	|	|	|	|	2.71	261.250	0.00	0.33	1.569	O	|	|	|	|	2.51
256.167	0.00	0.34	1.709	O	|	|	|	|	2.71	261.333	0.00	0.33	1.567	O	|	|	|	|	2.51
256.250	0.00	0.34	1.706	O	|	|	|	|	2.71	261.417	0.00	0.33	1.564	O	|	|	|	|	2.50
256.333	0.00	0.34	1.704	O	|	|	|	|	2.70	261.500	0.00	0.32	1.562	O	|	|	|	|	2.50
256.417	0.00	0.34	1.702	O	|	|	|	|	2.70	261.583	0.00	0.32	1.560	O	|	|	|	|	2.50
256.500	0.00	0.34	1.699	O	|	|	|	|	2.70	261.667	0.00	0.32	1.558	O	|	|	|	|	2.49

261.750	0.00	0.32	1.555	O	|	|	|	|	2.49	266.917	0.00	0.31	1.420	O	|	|	|	|	2.29
261.833	0.00	0.32	1.553	O	|	|	|	|	2.49	267.000	0.00	0.31	1.418	O	|	|	|	|	2.29
261.917	0.00	0.32	1.551	O	|	|	|	|	2.48	267.083	0.00	0.31	1.416	O	|	|	|	|	2.29
262.000	0.00	0.32	1.549	O	|	|	|	|	2.48	267.167	0.00	0.31	1.413	O	|	|	|	|	2.28
262.083	0.00	0.32	1.546	O	|	|	|	|	2.48	267.250	0.00	0.31	1.411	O	|	|	|	|	2.28
262.167	0.00	0.32	1.544	O	|	|	|	|	2.47	267.333	0.00	0.31	1.409	O	|	|	|	|	2.28
262.250	0.00	0.32	1.542	O	|	|	|	|	2.47	267.417	0.00	0.31	1.407	O	|	|	|	|	2.28
262.333	0.00	0.32	1.540	O	|	|	|	|	2.47	267.500	0.00	0.31	1.405	O	|	|	|	|	2.27
262.417	0.00	0.32	1.538	O	|	|	|	|	2.46	267.583	0.00	0.31	1.403	O	|	|	|	|	2.27
262.500	0.00	0.32	1.535	O	|	|	|	|	2.46	267.667	0.00	0.31	1.401	O	|	|	|	|	2.27
262.583	0.00	0.32	1.533	O	|	|	|	|	2.46	267.750	0.00	0.31	1.399	O	|	|	|	|	2.26
262.667	0.00	0.32	1.531	O	|	|	|	|	2.45	267.833	0.00	0.31	1.396	O	|	|	|	|	2.26
262.750	0.00	0.32	1.529	O	|	|	|	|	2.45	267.917	0.00	0.31	1.394	O	|	|	|	|	2.26
262.833	0.00	0.32	1.526	O	|	|	|	|	2.45	268.000	0.00	0.31	1.392	O	|	|	|	|	2.25
262.917	0.00	0.32	1.524	O	|	|	|	|	2.44	268.083	0.00	0.31	1.390	O	|	|	|	|	2.25
263.000	0.00	0.32	1.522	O	|	|	|	|	2.44	268.167	0.00	0.31	1.388	O	|	|	|	|	2.25
263.083	0.00	0.32	1.520	O	|	|	|	|	2.44	268.250	0.00	0.31	1.386	O	|	|	|	|	2.24
263.167	0.00	0.32	1.518	O	|	|	|	|	2.44	268.333	0.00	0.31	1.384	O	|	|	|	|	2.24
263.250	0.00	0.32	1.515	O	|	|	|	|	2.43	268.417	0.00	0.31	1.382	O	|	|	|	|	2.24
263.333	0.00	0.32	1.513	O	|	|	|	|	2.43	268.500	0.00	0.31	1.379	O	|	|	|	|	2.24
263.417	0.00	0.32	1.511	O	|	|	|	|	2.43	268.583	0.00	0.31	1.377	O	|	|	|	|	2.23
263.500	0.00	0.32	1.509	O	|	|	|	|	2.42	268.667	0.00	0.31	1.375	O	|	|	|	|	2.23
263.583	0.00	0.32	1.507	O	|	|	|	|	2.42	268.750	0.00	0.31	1.373	O	|	|	|	|	2.23
263.667	0.00	0.32	1.504	O	|	|	|	|	2.42	268.833	0.00	0.31	1.371	O	|	|	|	|	2.22
263.750	0.00	0.32	1.502	O	|	|	|	|	2.41	268.917	0.00	0.31	1.369	O	|	|	|	|	2.22
263.833	0.00	0.32	1.500	O	|	|	|	|	2.41	269.000	0.00	0.31	1.367	O	|	|	|	|	2.22
263.917	0.00	0.32	1.498	O	|	|	|	|	2.41	269.083	0.00	0.30	1.365	O	|	|	|	|	2.21
264.000	0.00	0.32	1.496	O	|	|	|	|	2.40	269.167	0.00	0.30	1.363	O	|	|	|	|	2.21
264.083	0.00	0.32	1.493	O	|	|	|	|	2.40	269.250	0.00	0.30	1.361	O	|	|	|	|	2.21
264.167	0.00	0.32	1.491	O	|	|	|	|	2.40	269.333	0.00	0.30	1.358	O	|	|	|	|	2.20
264.250	0.00	0.32	1.489	O	|	|	|	|	2.39	269.417	0.00	0.30	1.356	O	|	|	|	|	2.20
264.333	0.00	0.32	1.487	O	|	|	|	|	2.39	269.500	0.00	0.30	1.354	O	|	|	|	|	2.20
264.417	0.00	0.32	1.485	O	|	|	|	|	2.39	269.583	0.00	0.30	1.352	O	|	|	|	|	2.20
264.500	0.00	0.32	1.483	O	|	|	|	|	2.38	269.667	0.00	0.30	1.350	O	|	|	|	|	2.19
264.583	0.00	0.32	1.480	O	|	|	|	|	2.38	269.750	0.00	0.30	1.348	O	|	|	|	|	2.19
264.667	0.00	0.32	1.478	O	|	|	|	|	2.38	269.833	0.00	0.30	1.346	O	|	|	|	|	2.19
264.750	0.00	0.32	1.476	O	|	|	|	|	2.37	269.917	0.00	0.30	1.344	O	|	|	|	|	2.18
264.833	0.00	0.32	1.474	O	|	|	|	|	2.37	270.000	0.00	0.30	1.342	O	|	|	|	|	2.18
264.917	0.00	0.32	1.472	O	|	|	|	|	2.37	270.083	0.00	0.30	1.340	O	|	|	|	|	2.18
265.000	0.00	0.32	1.469	O	|	|	|	|	2.37	270.167	0.00	0.30	1.338	O	|	|	|	|	2.17
265.083	0.00	0.32	1.467	O	|	|	|	|	2.36	270.250	0.00	0.30	1.335	O	|	|	|	|	2.17
265.167	0.00	0.32	1.465	O	|	|	|	|	2.36	270.333	0.00	0.30	1.333	O	|	|	|	|	2.17
265.250	0.00	0.31	1.463	O	|	|	|	|	2.36	270.417	0.00	0.30	1.331	O	|	|	|	|	2.17
265.333	0.00	0.31	1.461	O	|	|	|	|	2.35	270.500	0.00	0.30	1.329	O	|	|	|	|	2.16
265.417	0.00	0.31	1.459	O	|	|	|	|	2.35	270.583	0.00	0.30	1.327	O	|	|	|	|	2.16
265.500	0.00	0.31	1.456	O	|	|	|	|	2.35	270.667	0.00	0.30	1.325	O	|	|	|	|	2.16
265.583	0.00	0.31	1.454	O	|	|	|	|	2.34	270.750	0.00	0.30	1.323	O	|	|	|	|	2.15
265.667	0.00	0.31	1.452	O	|	|	|	|	2.34	270.833	0.00	0.30	1.321	O	|	|	|	|	2.15
265.750	0.00	0.31	1.450	O	|	|	|	|	2.34	270.917	0.00	0.30	1.319	O	|	|	|	|	2.15
265.833	0.00	0.31	1.448	O	|	|	|	|	2.33	271.000	0.00	0.30	1.317	O	|	|	|	|	2.14
265.917	0.00	0.31	1.446	O	|	|	|	|	2.33	271.083	0.00	0.30	1.315	O	|	|	|	|	2.14
266.000	0.00	0.31	1.443	O	|	|	|	|	2.33	271.167	0.00	0.30	1.313	O	|	|	|	|	2.14
266.083	0.00	0.31	1.441	O	|	|	|	|	2.32	271.250	0.00	0.30	1.311	O	|	|	|	|	2.14
266.167	0.00	0.31	1.439	O	|	|	|	|	2.32	271.333	0.00	0.30	1.309	O	|	|	|	|	2.13
266.250	0.00	0.31	1.437	O	|	|	|	|	2.32	271.417	0.00	0.30	1.307	O	|	|	|	|	2.13
266.333	0.00	0.31	1.435	O	|	|	|	|	2.32	271.500	0.00	0.30	1.304	O	|	|	|	|	2.13
266.417	0.00	0.31	1.433	O	|	|	|	|	2.31	271.583	0.00	0.30	1.302	O	|	|	|	|	2.12
266.500	0.00	0.31	1.431	O	|	|	|	|	2.31	271.667	0.00	0.30	1.300	O	|	|	|	|	2.12
266.583	0.00	0.31	1.428	O	|	|	|	|	2.31	271.750	0.00	0.30	1.298	O	|	|	|	|	2.12
266.667	0.00	0.31	1.426	O	|	|	|	|	2.30	271.833	0.00	0.30	1.296	O	|	|	|	|	2.11
266.750	0.00	0.31	1.424	O	|	|	|	|	2.30	271.917	0.00	0.30	1.294	O	|	|	|	|	2.11
266.833	0.00	0.31	1.422	O	|	|	|	|	2.30	272.000	0.00	0.30	1.292	O	|	|	|	|	2.11

272.083	0.00	0.30	1.290	O					2.11	277.250	0.00	0.28	1.166	O					1.92
272.167	0.00	0.30	1.288	O					2.10	277.333	0.00	0.28	1.164	O					1.92
272.250	0.00	0.30	1.286	O					2.10	277.417	0.00	0.28	1.162	O					1.91
272.333	0.00	0.30	1.284	O					2.10	277.500	0.00	0.28	1.160	O					1.91
272.417	0.00	0.30	1.282	O					2.09	277.583	0.00	0.28	1.158	O					1.91
272.500	0.00	0.30	1.280	O					2.09	277.667	0.00	0.28	1.156	O					1.90
272.583	0.00	0.30	1.278	O					2.09	277.750	0.00	0.28	1.154	O					1.90
272.667	0.00	0.30	1.276	O					2.09	277.833	0.00	0.28	1.152	O					1.90
272.750	0.00	0.30	1.274	O					2.08	277.917	0.00	0.28	1.150	O					1.90
272.833	0.00	0.30	1.272	O					2.08	278.000	0.00	0.28	1.149	O					1.89
272.917	0.00	0.30	1.270	O					2.08	278.083	0.00	0.28	1.147	O					1.89
273.000	0.00	0.30	1.268	O					2.07	278.167	0.00	0.28	1.145	O					1.89
273.083	0.00	0.29	1.266	O					2.07	278.250	0.00	0.28	1.143	O					1.88
273.167	0.00	0.29	1.264	O					2.07	278.333	0.00	0.28	1.141	O					1.88
273.250	0.00	0.29	1.262	O					2.06	278.417	0.00	0.28	1.139	O					1.88
273.333	0.00	0.29	1.260	O					2.06	278.500	0.00	0.28	1.137	O					1.87
273.417	0.00	0.29	1.257	O					2.06	278.583	0.00	0.28	1.135	O					1.87
273.500	0.00	0.29	1.255	O					2.06	278.667	0.00	0.28	1.133	O					1.87
273.583	0.00	0.29	1.253	O					2.05	278.750	0.00	0.28	1.131	O					1.87
273.667	0.00	0.29	1.251	O					2.05	278.833	0.00	0.28	1.129	O					1.86
273.750	0.00	0.29	1.249	O					2.05	278.917	0.00	0.28	1.127	O					1.86
273.833	0.00	0.29	1.247	O					2.04	279.000	0.00	0.28	1.126	O					1.86
273.917	0.00	0.29	1.245	O					2.04	279.083	0.00	0.28	1.124	O					1.85
274.000	0.00	0.29	1.243	O					2.04	279.167	0.00	0.28	1.122	O					1.85
274.083	0.00	0.29	1.241	O					2.04	279.250	0.00	0.28	1.120	O					1.85
274.167	0.00	0.29	1.239	O					2.03	279.333	0.00	0.28	1.118	O					1.84
274.250	0.00	0.29	1.237	O					2.03	279.417	0.00	0.28	1.116	O					1.84
274.333	0.00	0.29	1.235	O					2.03	279.500	0.00	0.28	1.114	O					1.84
274.417	0.00	0.29	1.233	O					2.02	279.583	0.00	0.28	1.112	O					1.84
274.500	0.00	0.29	1.231	O					2.02	279.667	0.00	0.27	1.110	O					1.83
274.583	0.00	0.29	1.229	O					2.02	279.750	0.00	0.27	1.108	O					1.83
274.667	0.00	0.29	1.227	O					2.01	279.833	0.00	0.27	1.107	O					1.83
274.750	0.00	0.29	1.225	O					2.01	279.917	0.00	0.27	1.105	O					1.82
274.833	0.00	0.29	1.223	O					2.01	280.000	0.00	0.27	1.103	O					1.82
274.917	0.00	0.29	1.221	O					2.01	280.083	0.00	0.27	1.101	O					1.82
275.000	0.00	0.29	1.219	O					2.00	280.167	0.00	0.27	1.099	O					1.81
275.083	0.00	0.29	1.217	O					2.00	280.250	0.00	0.27	1.097	O					1.81
275.167	0.00	0.29	1.215	O					2.00	280.333	0.00	0.27	1.095	O					1.81
275.250	0.00	0.29	1.213	O					1.99	280.417	0.00	0.27	1.093	O					1.81
275.333	0.00	0.29	1.211	O					1.99	280.500	0.00	0.27	1.091	O					1.80
275.417	0.00	0.29	1.209	O					1.99	280.583	0.00	0.27	1.090	O					1.80
275.500	0.00	0.29	1.207	O					1.98	280.667	0.00	0.27	1.088	O					1.80
275.583	0.00	0.29	1.205	O					1.98	280.750	0.00	0.27	1.086	O					1.79
275.667	0.00	0.29	1.203	O					1.98	280.833	0.00	0.27	1.084	O					1.79
275.750	0.00	0.29	1.201	O					1.98	280.917	0.00	0.27	1.082	O					1.79
275.833	0.00	0.29	1.199	O					1.97	281.000	0.00	0.27	1.080	O					1.78
275.917	0.00	0.29	1.197	O					1.97	281.083	0.00	0.27	1.078	O					1.78
276.000	0.00	0.29	1.195	O					1.97	281.167	0.00	0.27	1.077	O					1.78
276.083	0.00	0.29	1.193	O					1.96	281.250	0.00	0.27	1.075	O					1.78
276.167	0.00	0.29	1.191	O					1.96	281.333	0.00	0.27	1.073	O					1.77
276.250	0.00	0.29	1.189	O					1.96	281.417	0.00	0.27	1.071	O					1.77
276.333	0.00	0.29	1.188	O					1.95	281.500	0.00	0.27	1.069	O					1.77
276.417	0.00	0.29	1.186	O					1.95	281.583	0.00	0.27	1.067	O					1.76
276.500	0.00	0.29	1.184	O					1.95	281.667	0.00	0.27	1.065	O					1.76
276.583	0.00	0.28	1.182	O					1.94	281.750	0.00	0.27	1.064	O					1.76
276.667	0.00	0.28	1.180	O					1.94	281.833	0.00	0.27	1.062	O					1.76
276.750	0.00	0.28	1.178	O					1.94	281.917	0.00	0.27	1.060	O					1.75
276.833	0.00	0.28	1.176	O					1.94	282.000	0.00	0.27	1.058	O					1.75
276.917	0.00	0.28	1.174	O					1.93	282.083	0.00	0.27	1.056	O					1.75
277.000	0.00	0.28	1.172	O					1.93	282.167	0.00	0.27	1.054	O					1.74
277.083	0.00	0.28	1.170	O					1.93	282.250	0.00	0.27	1.052	O					1.74
277.167	0.00	0.28	1.168	O					1.92	282.333	0.00	0.27	1.051	O					1.74

282.417	0.00	0.27	1.049	O	|	|	|	|	1.74	287.583	0.00	0.25	0.939	O	|	|	|	|	1.56
282.500	0.00	0.27	1.047	O	|	|	|	|	1.73	287.667	0.00	0.25	0.937	O	|	|	|	|	1.56
282.583	0.00	0.27	1.045	O	|	|	|	|	1.73	287.750	0.00	0.25	0.935	O	|	|	|	|	1.56
282.667	0.00	0.27	1.043	O	|	|	|	|	1.73	287.833	0.00	0.25	0.933	O	|	|	|	|	1.55
282.750	0.00	0.27	1.041	O	|	|	|	|	1.72	287.917	0.00	0.25	0.932	O	|	|	|	|	1.55
282.833	0.00	0.26	1.040	O	|	|	|	|	1.72	288.000	0.00	0.25	0.930	O	|	|	|	|	1.55
282.917	0.00	0.26	1.038	O	|	|	|	|	1.72	288.083	0.00	0.25	0.928	O	|	|	|	|	1.55
283.000	0.00	0.26	1.036	O	|	|	|	|	1.72	288.167	0.00	0.25	0.926	O	|	|	|	|	1.54
283.083	0.00	0.26	1.034	O	|	|	|	|	1.71	288.250	0.00	0.25	0.925	O	|	|	|	|	1.54
283.167	0.00	0.26	1.032	O	|	|	|	|	1.71	288.333	0.00	0.25	0.923	O	|	|	|	|	1.54
283.250	0.00	0.26	1.031	O	|	|	|	|	1.71	288.417	0.00	0.25	0.921	O	|	|	|	|	1.54
283.333	0.00	0.26	1.029	O	|	|	|	|	1.70	288.500	0.00	0.25	0.920	O	|	|	|	|	1.53
283.417	0.00	0.26	1.027	O	|	|	|	|	1.70	288.583	0.00	0.25	0.918	O	|	|	|	|	1.53
283.500	0.00	0.26	1.025	O	|	|	|	|	1.70	288.667	0.00	0.25	0.916	O	|	|	|	|	1.53
283.583	0.00	0.26	1.023	O	|	|	|	|	1.70	288.750	0.00	0.25	0.915	O	|	|	|	|	1.52
283.667	0.00	0.26	1.022	O	|	|	|	|	1.69	288.833	0.00	0.25	0.913	O	|	|	|	|	1.52
283.750	0.00	0.26	1.020	O	|	|	|	|	1.69	288.917	0.00	0.25	0.911	O	|	|	|	|	1.52
283.833	0.00	0.26	1.018	O	|	|	|	|	1.69	289.000	0.00	0.25	0.909	O	|	|	|	|	1.52
283.917	0.00	0.26	1.016	O	|	|	|	|	1.68	289.083	0.00	0.25	0.908	O	|	|	|	|	1.51
284.000	0.00	0.26	1.014	O	|	|	|	|	1.68	289.167	0.00	0.25	0.906	O	|	|	|	|	1.51
284.083	0.00	0.26	1.013	O	|	|	|	|	1.68	289.250	0.00	0.25	0.904	O	|	|	|	|	1.51
284.167	0.00	0.26	1.011	O	|	|	|	|	1.68	289.333	0.00	0.25	0.903	O	|	|	|	|	1.51
284.250	0.00	0.26	1.009	O	|	|	|	|	1.67	289.417	0.00	0.25	0.901	O	|	|	|	|	1.50
284.333	0.00	0.26	1.007	O	|	|	|	|	1.67	289.500	0.00	0.25	0.899	O	|	|	|	|	1.50
284.417	0.00	0.26	1.005	O	|	|	|	|	1.67	289.583	0.00	0.24	0.898	O	|	|	|	|	1.50
284.500	0.00	0.26	1.004	O	|	|	|	|	1.66	289.667	0.00	0.24	0.896	O	|	|	|	|	1.50
284.583	0.00	0.26	1.002	O	|	|	|	|	1.66	289.750	0.00	0.24	0.894	O	|	|	|	|	1.49
284.667	0.00	0.26	1.000	O	|	|	|	|	1.66	289.833	0.00	0.24	0.893	O	|	|	|	|	1.49
284.750	0.00	0.26	0.998	O	|	|	|	|	1.66	289.917	0.00	0.24	0.891	O	|	|	|	|	1.49
284.833	0.00	0.26	0.996	O	|	|	|	|	1.65	290.000	0.00	0.24	0.889	O	|	|	|	|	1.48
284.917	0.00	0.26	0.995	O	|	|	|	|	1.65	290.083	0.00	0.24	0.887	O	|	|	|	|	1.48
285.000	0.00	0.26	0.993	O	|	|	|	|	1.65	290.167	0.00	0.24	0.886	O	|	|	|	|	1.48
285.083	0.00	0.26	0.991	O	|	|	|	|	1.64	290.250	0.00	0.24	0.884	O	|	|	|	|	1.48
285.167	0.00	0.26	0.989	O	|	|	|	|	1.64	290.333	0.00	0.24	0.882	O	|	|	|	|	1.47
285.250	0.00	0.26	0.988	O	|	|	|	|	1.64	290.417	0.00	0.24	0.881	O	|	|	|	|	1.47
285.333	0.00	0.26	0.986	O	|	|	|	|	1.64	290.500	0.00	0.24	0.879	O	|	|	|	|	1.47
285.417	0.00	0.26	0.984	O	|	|	|	|	1.63	290.583	0.00	0.24	0.877	O	|	|	|	|	1.47
285.500	0.00	0.26	0.982	O	|	|	|	|	1.63	290.667	0.00	0.24	0.876	O	|	|	|	|	1.46
285.583	0.00	0.26	0.980	O	|	|	|	|	1.63	290.750	0.00	0.24	0.874	O	|	|	|	|	1.46
285.667	0.00	0.26	0.979	O	|	|	|	|	1.63	290.833	0.00	0.24	0.872	O	|	|	|	|	1.46
285.750	0.00	0.26	0.977	O	|	|	|	|	1.62	290.917	0.00	0.24	0.871	O	|	|	|	|	1.46
285.833	0.00	0.26	0.975	O	|	|	|	|	1.62	291.000	0.00	0.24	0.869	O	|	|	|	|	1.45
285.917	0.00	0.26	0.973	O	|	|	|	|	1.62	291.083	0.00	0.24	0.867	O	|	|	|	|	1.45
286.000	0.00	0.26	0.972	O	|	|	|	|	1.61	291.167	0.00	0.24	0.866	O	|	|	|	|	1.45
286.083	0.00	0.26	0.970	O	|	|	|	|	1.61	291.250	0.00	0.24	0.864	O	|	|	|	|	1.45
286.167	0.00	0.25	0.968	O	|	|	|	|	1.61	291.333	0.00	0.24	0.863	O	|	|	|	|	1.44
286.250	0.00	0.25	0.966	O	|	|	|	|	1.61	291.417	0.00	0.24	0.861	O	|	|	|	|	1.44
286.333	0.00	0.25	0.965	O	|	|	|	|	1.60	291.500	0.00	0.24	0.859	O	|	|	|	|	1.44
286.417	0.00	0.25	0.963	O	|	|	|	|	1.60	291.583	0.00	0.24	0.858	O	|	|	|	|	1.43
286.500	0.00	0.25	0.961	O	|	|	|	|	1.60	291.667	0.00	0.24	0.856	O	|	|	|	|	1.43
286.583	0.00	0.25	0.959	O	|	|	|	|	1.59	291.750	0.00	0.24	0.854	O	|	|	|	|	1.43
286.667	0.00	0.25	0.958	O	|	|	|	|	1.59	291.833	0.00	0.24	0.853	O	|	|	|	|	1.43
286.750	0.00	0.25	0.956	O	|	|	|	|	1.59	291.917	0.00	0.24	0.851	O	|	|	|	|	1.42
286.833	0.00	0.25	0.954	O	|	|	|	|	1.59	292.000	0.00	0.24	0.849	O	|	|	|	|	1.42
286.917	0.00	0.25	0.952	O	|	|	|	|	1.58	292.083	0.00	0.24	0.848	O	|	|	|	|	1.42
287.000	0.00	0.25	0.951	O	|	|	|	|	1.58	292.167	0.00	0.24	0.846	O	|	|	|	|	1.42
287.083	0.00	0.25	0.949	O	|	|	|	|	1.58	292.250	0.00	0.24	0.844	O	|	|	|	|	1.41
287.167	0.00	0.25	0.947	O	|	|	|	|	1.58	292.333	0.00	0.24	0.843	O	|	|	|	|	1.41
287.250	0.00	0.25	0.945	O	|	|	|	|	1.57	292.417	0.00	0.24	0.841	O	|	|	|	|	1.41
287.333	0.00	0.25	0.944	O	|	|	|	|	1.57	292.500	0.00	0.24	0.840	O	|	|	|	|	1.41
287.417	0.00	0.25	0.942	O	|	|	|	|	1.57	292.583	0.00	0.24	0.838	O	|	|	|	|	1.40
287.500	0.00	0.25	0.940	O	|	|	|	|	1.56	292.667	0.00	0.24	0.836	O	|	|	|	|	1.40

292.750	0.00	0.24	0.835	O	|	|	|	|	1.40	297.917	0.00	0.22	0.737	O	|	|	|	|	1.25
292.833	0.00	0.24	0.833	O	|	|	|	|	1.40	298.000	0.00	0.22	0.735	O	|	|	|	|	1.24
292.917	0.00	0.24	0.831	O	|	|	|	|	1.39	298.083	0.00	0.22	0.734	O	|	|	|	|	1.24
293.000	0.00	0.24	0.830	O	|	|	|	|	1.39	298.167	0.00	0.22	0.732	O	|	|	|	|	1.24
293.083	0.00	0.23	0.828	O	|	|	|	|	1.39	298.250	0.00	0.22	0.731	O	|	|	|	|	1.24
293.167	0.00	0.23	0.827	O	|	|	|	|	1.39	298.333	0.00	0.22	0.729	O	|	|	|	|	1.23
293.250	0.00	0.23	0.825	O	|	|	|	|	1.38	298.417	0.00	0.22	0.728	O	|	|	|	|	1.23
293.333	0.00	0.23	0.823	O	|	|	|	|	1.38	298.500	0.00	0.22	0.726	O	|	|	|	|	1.23
293.417	0.00	0.23	0.822	O	|	|	|	|	1.38	298.583	0.00	0.22	0.725	O	|	|	|	|	1.23
293.500	0.00	0.23	0.820	O	|	|	|	|	1.38	298.667	0.00	0.22	0.723	O	|	|	|	|	1.22
293.583	0.00	0.23	0.819	O	|	|	|	|	1.37	298.750	0.00	0.22	0.722	O	|	|	|	|	1.22
293.667	0.00	0.23	0.817	O	|	|	|	|	1.37	298.833	0.00	0.22	0.720	O	|	|	|	|	1.22
293.750	0.00	0.23	0.815	O	|	|	|	|	1.37	298.917	0.00	0.22	0.719	O	|	|	|	|	1.22
293.833	0.00	0.23	0.814	O	|	|	|	|	1.37	299.000	0.00	0.22	0.717	O	|	|	|	|	1.21
293.917	0.00	0.23	0.812	O	|	|	|	|	1.36	299.083	0.00	0.22	0.716	O	|	|	|	|	1.21
294.000	0.00	0.23	0.810	O	|	|	|	|	1.36	299.167	0.00	0.22	0.714	O	|	|	|	|	1.21
294.083	0.00	0.23	0.809	O	|	|	|	|	1.36	299.250	0.00	0.22	0.713	O	|	|	|	|	1.21
294.167	0.00	0.23	0.807	O	|	|	|	|	1.36	299.333	0.00	0.22	0.711	O	|	|	|	|	1.20
294.250	0.00	0.23	0.806	O	|	|	|	|	1.35	299.417	0.00	0.22	0.710	O	|	|	|	|	1.20
294.333	0.00	0.23	0.804	O	|	|	|	|	1.35	299.500	0.00	0.22	0.708	O	|	|	|	|	1.20
294.417	0.00	0.23	0.803	O	|	|	|	|	1.35	299.583	0.00	0.22	0.707	O	|	|	|	|	1.20
294.500	0.00	0.23	0.801	O	|	|	|	|	1.35	299.667	0.00	0.22	0.705	O	|	|	|	|	1.20
294.583	0.00	0.23	0.799	O	|	|	|	|	1.34	299.750	0.00	0.22	0.704	O	|	|	|	|	1.19
294.667	0.00	0.23	0.798	O	|	|	|	|	1.34	299.833	0.00	0.22	0.702	O	|	|	|	|	1.19
294.750	0.00	0.23	0.796	O	|	|	|	|	1.34	299.917	0.00	0.22	0.701	O	|	|	|	|	1.19
294.833	0.00	0.23	0.795	O	|	|	|	|	1.34	300.000	0.00	0.22	0.699	O	|	|	|	|	1.19
294.917	0.00	0.23	0.793	O	|	|	|	|	1.33	300.083	0.00	0.22	0.698	O	|	|	|	|	1.18
295.000	0.00	0.23	0.791	O	|	|	|	|	1.33	300.167	0.00	0.22	0.696	O	|	|	|	|	1.18
295.083	0.00	0.23	0.790	O	|	|	|	|	1.33	300.250	0.00	0.22	0.695	O	|	|	|	|	1.18
295.167	0.00	0.23	0.788	O	|	|	|	|	1.33	300.333	0.00	0.22	0.693	O	|	|	|	|	1.18
295.250	0.00	0.23	0.787	O	|	|	|	|	1.32	300.417	0.00	0.22	0.692	O	|	|	|	|	1.17
295.333	0.00	0.23	0.785	O	|	|	|	|	1.32	300.500	0.00	0.22	0.690	O	|	|	|	|	1.17
295.417	0.00	0.23	0.783	O	|	|	|	|	1.32	300.583	0.00	0.22	0.689	O	|	|	|	|	1.17
295.500	0.00	0.23	0.782	O	|	|	|	|	1.32	300.667	0.00	0.22	0.687	O	|	|	|	|	1.17
295.583	0.00	0.23	0.780	O	|	|	|	|	1.31	300.750	0.00	0.21	0.686	O	|	|	|	|	1.16
295.667	0.00	0.23	0.779	O	|	|	|	|	1.31	300.833	0.00	0.21	0.684	O	|	|	|	|	1.16
295.750	0.00	0.23	0.777	O	|	|	|	|	1.31	300.917	0.00	0.21	0.683	O	|	|	|	|	1.16
295.833	0.00	0.23	0.776	O	|	|	|	|	1.31	301.000	0.00	0.21	0.681	O	|	|	|	|	1.16
295.917	0.00	0.23	0.774	O	|	|	|	|	1.30	301.083	0.00	0.21	0.680	O	|	|	|	|	1.16
296.000	0.00	0.23	0.773	O	|	|	|	|	1.30	301.167	0.00	0.21	0.678	O	|	|	|	|	1.15
296.083	0.00	0.23	0.771	O	|	|	|	|	1.30	301.250	0.00	0.21	0.677	O	|	|	|	|	1.15
296.167	0.00	0.23	0.769	O	|	|	|	|	1.30	301.333	0.00	0.21	0.675	O	|	|	|	|	1.15
296.250	0.00	0.23	0.768	O	|	|	|	|	1.29	301.417	0.00	0.21	0.674	O	|	|	|	|	1.15
296.333	0.00	0.23	0.766	O	|	|	|	|	1.29	301.500	0.00	0.21	0.673	O	|	|	|	|	1.14
296.417	0.00	0.23	0.765	O	|	|	|	|	1.29	301.583	0.00	0.21	0.671	O	|	|	|	|	1.14
296.500	0.00	0.23	0.763	O	|	|	|	|	1.29	301.667	0.00	0.21	0.670	O	|	|	|	|	1.14
296.583	0.00	0.23	0.762	O	|	|	|	|	1.28	301.750	0.00	0.21	0.668	O	|	|	|	|	1.14
296.667	0.00	0.23	0.760	O	|	|	|	|	1.28	301.833	0.00	0.21	0.667	O	|	|	|	|	1.13
296.750	0.00	0.23	0.758	O	|	|	|	|	1.28	301.917	0.00	0.21	0.665	O	|	|	|	|	1.13
296.833	0.00	0.22	0.757	O	|	|	|	|	1.28	302.000	0.00	0.21	0.664	O	|	|	|	|	1.13
296.917	0.00	0.22	0.755	O	|	|	|	|	1.27	302.083	0.00	0.21	0.662	O	|	|	|	|	1.13
297.000	0.00	0.22	0.754	O	|	|	|	|	1.27	302.167	0.00	0.21	0.661	O	|	|	|	|	1.13
297.083	0.00	0.22	0.752	O	|	|	|	|	1.27	302.250	0.00	0.21	0.659	O	|	|	|	|	1.12
297.167	0.00	0.22	0.751	O	|	|	|	|	1.27	302.333	0.00	0.21	0.658	O	|	|	|	|	1.12
297.250	0.00	0.22	0.749	O	|	|	|	|	1.26	302.417	0.00	0.21	0.656	O	|	|	|	|	1.12
297.333	0.00	0.22	0.748	O	|	|	|	|	1.26	302.500	0.00	0.21	0.655	O	|	|	|	|	1.12
297.417	0.00	0.22	0.746	O	|	|	|	|	1.26	302.583	0.00	0.21	0.654	O	|	|	|	|	1.11
297.500	0.00	0.22	0.745	O	|	|	|	|	1.26	302.667	0.00	0.21	0.652	O	|	|	|	|	1.11
297.583	0.00	0.22	0.743	O	|	|	|	|	1.25	302.750	0.00	0.21	0.651	O	|	|	|	|	1.11
297.667	0.00	0.22	0.742	O	|	|	|	|	1.25	302.833	0.00	0.21	0.649	O	|	|	|	|	1.11
297.750	0.00	0.22	0.740	O	|	|	|	|	1.25	302.917	0.00	0.21	0.648	O	|	|	|	|	1.11
297.833	0.00	0.22	0.738	O	|	|	|	|	1.25	303.000	0.00	0.21	0.646	O	|	|	|	|	1.10

303.083	0.00	0.21	0.645	O	|	|	|	|	1.10	308.250	0.00	0.19	0.559	O	|	|	|	|	0.96
303.167	0.00	0.21	0.643	O	|	|	|	|	1.10	308.333	0.00	0.19	0.557	O	|	|	|	|	0.96
303.250	0.00	0.21	0.642	O	|	|	|	|	1.10	308.417	0.00	0.19	0.556	O	|	|	|	|	0.96
303.333	0.00	0.21	0.641	O	|	|	|	|	1.09	308.500	0.00	0.19	0.555	O	|	|	|	|	0.95
303.417	0.00	0.21	0.639	O	|	|	|	|	1.09	308.583	0.00	0.19	0.553	O	|	|	|	|	0.95
303.500	0.00	0.21	0.638	O	|	|	|	|	1.09	308.667	0.00	0.19	0.552	O	|	|	|	|	0.95
303.583	0.00	0.21	0.636	O	|	|	|	|	1.09	308.750	0.00	0.19	0.551	O	|	|	|	|	0.95
303.667	0.00	0.21	0.635	O	|	|	|	|	1.08	308.833	0.00	0.19	0.549	O	|	|	|	|	0.95
303.750	0.00	0.21	0.633	O	|	|	|	|	1.08	308.917	0.00	0.19	0.548	O	|	|	|	|	0.94
303.833	0.00	0.21	0.632	O	|	|	|	|	1.08	309.000	0.00	0.19	0.547	O	|	|	|	|	0.94
303.917	0.00	0.21	0.631	O	|	|	|	|	1.08	309.083	0.00	0.19	0.545	O	|	|	|	|	0.94
304.000	0.00	0.21	0.629	O	|	|	|	|	1.08	309.167	0.00	0.19	0.544	O	|	|	|	|	0.94
304.083	0.00	0.21	0.628	O	|	|	|	|	1.07	309.250	0.00	0.19	0.543	O	|	|	|	|	0.93
304.167	0.00	0.21	0.626	O	|	|	|	|	1.07	309.333	0.00	0.19	0.542	O	|	|	|	|	0.93
304.250	0.00	0.21	0.625	O	|	|	|	|	1.07	309.417	0.00	0.19	0.540	O	|	|	|	|	0.93
304.333	0.00	0.21	0.623	O	|	|	|	|	1.07	309.500	0.00	0.19	0.539	O	|	|	|	|	0.93
304.417	0.00	0.21	0.622	O	|	|	|	|	1.06	309.583	0.00	0.19	0.538	O	|	|	|	|	0.93
304.500	0.00	0.21	0.621	O	|	|	|	|	1.06	309.667	0.00	0.18	0.536	O	|	|	|	|	0.92
304.583	0.00	0.21	0.619	O	|	|	|	|	1.06	309.750	0.00	0.18	0.535	O	|	|	|	|	0.92
304.667	0.00	0.21	0.618	O	|	|	|	|	1.06	309.833	0.00	0.18	0.534	O	|	|	|	|	0.92
304.750	0.00	0.21	0.616	O	|	|	|	|	1.06	309.917	0.00	0.18	0.533	O	|	|	|	|	0.92
304.833	0.00	0.20	0.615	O	|	|	|	|	1.05	310.000	0.00	0.18	0.531	O	|	|	|	|	0.91
304.917	0.00	0.20	0.614	O	|	|	|	|	1.05	310.083	0.00	0.18	0.530	O	|	|	|	|	0.91
305.000	0.00	0.20	0.612	O	|	|	|	|	1.05	310.167	0.00	0.18	0.529	O	|	|	|	|	0.91
305.083	0.00	0.20	0.611	O	|	|	|	|	1.05	310.250	0.00	0.18	0.528	O	|	|	|	|	0.91
305.167	0.00	0.20	0.609	O	|	|	|	|	1.04	310.333	0.00	0.18	0.526	O	|	|	|	|	0.91
305.250	0.00	0.20	0.608	O	|	|	|	|	1.04	310.417	0.00	0.18	0.525	O	|	|	|	|	0.90
305.333	0.00	0.20	0.607	O	|	|	|	|	1.04	310.500	0.00	0.18	0.524	O	|	|	|	|	0.90
305.417	0.00	0.20	0.605	O	|	|	|	|	1.04	310.583	0.00	0.18	0.523	O	|	|	|	|	0.90
305.500	0.00	0.20	0.604	O	|	|	|	|	1.04	310.667	0.00	0.18	0.521	O	|	|	|	|	0.90
305.583	0.00	0.20	0.602	O	|	|	|	|	1.03	310.750	0.00	0.18	0.520	O	|	|	|	|	0.90
305.667	0.00	0.20	0.601	O	|	|	|	|	1.03	310.833	0.00	0.18	0.519	O	|	|	|	|	0.89
305.750	0.00	0.20	0.600	O	|	|	|	|	1.03	310.917	0.00	0.18	0.518	O	|	|	|	|	0.89
305.833	0.00	0.20	0.598	O	|	|	|	|	1.03	311.000	0.00	0.18	0.517	O	|	|	|	|	0.89
305.917	0.00	0.20	0.597	O	|	|	|	|	1.02	311.083	0.00	0.18	0.515	O	|	|	|	|	0.89
306.000	0.00	0.20	0.595	O	|	|	|	|	1.02	311.167	0.00	0.18	0.514	O	|	|	|	|	0.88
306.083	0.00	0.20	0.594	O	|	|	|	|	1.02	311.250	0.00	0.18	0.513	O	|	|	|	|	0.88
306.167	0.00	0.20	0.593	O	|	|	|	|	1.02	311.333	0.00	0.18	0.512	O	|	|	|	|	0.88
306.250	0.00	0.20	0.591	O	|	|	|	|	1.02	311.417	0.00	0.18	0.510	O	|	|	|	|	0.88
306.333	0.00	0.20	0.590	O	|	|	|	|	1.01	311.500	0.00	0.18	0.509	O	|	|	|	|	0.88
306.417	0.00	0.20	0.588	O	|	|	|	|	1.01	311.583	0.00	0.17	0.508	O	|	|	|	|	0.87
306.500	0.00	0.20	0.587	O	|	|	|	|	1.01	311.667	0.00	0.17	0.507	O	|	|	|	|	0.87
306.583	0.00	0.20	0.586	O	|	|	|	|	1.01	311.750	0.00	0.17	0.506	O	|	|	|	|	0.87
306.667	0.00	0.20	0.584	O	|	|	|	|	1.01	311.833	0.00	0.17	0.504	O	|	|	|	|	0.87
306.750	0.00	0.20	0.583	O	|	|	|	|	1.00	311.917	0.00	0.17	0.503	O	|	|	|	|	0.87
306.833	0.00	0.20	0.582	O	|	|	|	|	1.00	312.000	0.00	0.17	0.502	O	|	|	|	|	0.86
306.917	0.00	0.20	0.580	O	|	|	|	|	1.00	312.083	0.00	0.17	0.501	O	|	|	|	|	0.86
307.000	0.00	0.20	0.579	O	|	|	|	|	1.00	312.167	0.00	0.17	0.500	O	|	|	|	|	0.86
307.083	0.00	0.20	0.577	O	|	|	|	|	0.99	312.250	0.00	0.17	0.498	O	|	|	|	|	0.86
307.167	0.00	0.20	0.576	O	|	|	|	|	0.99	312.333	0.00	0.17	0.497	O	|	|	|	|	0.86
307.250	0.00	0.20	0.575	O	|	|	|	|	0.99	312.417	0.00	0.17	0.496	O	|	|	|	|	0.85
307.333	0.00	0.20	0.573	O	|	|	|	|	0.99	312.500	0.00	0.17	0.495	O	|	|	|	|	0.85
307.417	0.00	0.20	0.572	O	|	|	|	|	0.98	312.583	0.00	0.17	0.494	O	|	|	|	|	0.85
307.500	0.00	0.20	0.571	O	|	|	|	|	0.98	312.667	0.00	0.17	0.493	O	|	|	|	|	0.85
307.583	0.00	0.20	0.569	O	|	|	|	|	0.98	312.750	0.00	0.17	0.491	O	|	|	|	|	0.85
307.667	0.00	0.20	0.568	O	|	|	|	|	0.98	312.833	0.00	0.17	0.490	O	|	|	|	|	0.84
307.750	0.00	0.20	0.567	O	|	|	|	|	0.98	312.917	0.00	0.17	0.489	O	|	|	|	|	0.84
307.833	0.00	0.19	0.565	O	|	|	|	|	0.97	313.000	0.00	0.17	0.488	O	|	|	|	|	0.84
307.917	0.00	0.19	0.564	O	|	|	|	|	0.97	313.083	0.00	0.17	0.487	O	|	|	|	|	0.84
308.000	0.00	0.19	0.563	O	|	|	|	|	0.97	313.167	0.00	0.17	0.486	O	|	|	|	|	0.84
308.083	0.00	0.19	0.561	O	|	|	|	|	0.97	313.250	0.00	0.17	0.485	O	|	|	|	|	0.83
308.167	0.00	0.19	0.560	O	|	|	|	|	0.96	313.333	0.00	0.17	0.483	O	|	|	|	|	0.83

313.417	0.00	0.17	0.482	O	|	|	|	|	0.83	318.583	0.00	0.14	0.416	O	|	|	|	|	0.72
313.500	0.00	0.17	0.481	O	|	|	|	|	0.83	318.667	0.00	0.14	0.415	O	|	|	|	|	0.71
313.583	0.00	0.17	0.480	O	|	|	|	|	0.83	318.750	0.00	0.14	0.414	O	|	|	|	|	0.71
313.667	0.00	0.16	0.479	O	|	|	|	|	0.82	318.833	0.00	0.14	0.413	O	|	|	|	|	0.71
313.750	0.00	0.16	0.478	O	|	|	|	|	0.82	318.917	0.00	0.14	0.412	O	|	|	|	|	0.71
313.833	0.00	0.16	0.477	O	|	|	|	|	0.82	319.000	0.00	0.14	0.411	O	|	|	|	|	0.71
313.917	0.00	0.16	0.475	O	|	|	|	|	0.82	319.083	0.00	0.14	0.410	O	|	|	|	|	0.71
314.000	0.00	0.16	0.474	O	|	|	|	|	0.82	319.167	0.00	0.14	0.409	O	|	|	|	|	0.70
314.083	0.00	0.16	0.473	O	|	|	|	|	0.81	319.250	0.00	0.14	0.408	O	|	|	|	|	0.70
314.167	0.00	0.16	0.472	O	|	|	|	|	0.81	319.333	0.00	0.14	0.408	O	|	|	|	|	0.70
314.250	0.00	0.16	0.471	O	|	|	|	|	0.81	319.417	0.00	0.14	0.407	O	|	|	|	|	0.70
314.333	0.00	0.16	0.470	O	|	|	|	|	0.81	319.500	0.00	0.14	0.406	O	|	|	|	|	0.70
314.417	0.00	0.16	0.469	O	|	|	|	|	0.81	319.583	0.00	0.14	0.405	O	|	|	|	|	0.70
314.500	0.00	0.16	0.468	O	|	|	|	|	0.80	319.667	0.00	0.14	0.404	O	|	|	|	|	0.69
314.583	0.00	0.16	0.466	O	|	|	|	|	0.80	319.750	0.00	0.14	0.403	O	|	|	|	|	0.69
314.667	0.00	0.16	0.465	O	|	|	|	|	0.80	319.833	0.00	0.14	0.402	O	|	|	|	|	0.69
314.750	0.00	0.16	0.464	O	|	|	|	|	0.80	319.917	0.00	0.14	0.401	O	|	|	|	|	0.69
314.833	0.00	0.16	0.463	O	|	|	|	|	0.80	320.000	0.00	0.14	0.400	O	|	|	|	|	0.69
314.917	0.00	0.16	0.462	O	|	|	|	|	0.80	320.083	0.00	0.14	0.399	O	|	|	|	|	0.69
315.000	0.00	0.16	0.461	O	|	|	|	|	0.79	320.167	0.00	0.14	0.398	O	|	|	|	|	0.68
315.083	0.00	0.16	0.460	O	|	|	|	|	0.79	320.250	0.00	0.14	0.397	O	|	|	|	|	0.68
315.167	0.00	0.16	0.459	O	|	|	|	|	0.79	320.333	0.00	0.14	0.396	O	|	|	|	|	0.68
315.250	0.00	0.16	0.458	O	|	|	|	|	0.79	320.417	0.00	0.14	0.395	O	|	|	|	|	0.68
315.333	0.00	0.16	0.457	O	|	|	|	|	0.79	320.500	0.00	0.14	0.394	O	|	|	|	|	0.68
315.417	0.00	0.16	0.456	O	|	|	|	|	0.78	320.583	0.00	0.14	0.393	O	|	|	|	|	0.68
315.500	0.00	0.16	0.454	O	|	|	|	|	0.78	320.667	0.00	0.14	0.392	O	|	|	|	|	0.68
315.583	0.00	0.16	0.453	O	|	|	|	|	0.78	320.750	0.00	0.13	0.391	O	|	|	|	|	0.67
315.667	0.00	0.16	0.452	O	|	|	|	|	0.78	320.833	0.00	0.13	0.390	O	|	|	|	|	0.67
315.750	0.00	0.16	0.451	O	|	|	|	|	0.78	320.917	0.00	0.13	0.390	O	|	|	|	|	0.67
315.833	0.00	0.15	0.450	O	|	|	|	|	0.77	321.000	0.00	0.13	0.389	O	|	|	|	|	0.67
315.917	0.00	0.15	0.449	O	|	|	|	|	0.77	321.083	0.00	0.13	0.388	O	|	|	|	|	0.67
316.000	0.00	0.15	0.448	O	|	|	|	|	0.77	321.167	0.00	0.13	0.387	O	|	|	|	|	0.67
316.083	0.00	0.15	0.447	O	|	|	|	|	0.77	321.250	0.00	0.13	0.386	O	|	|	|	|	0.66
316.167	0.00	0.15	0.446	O	|	|	|	|	0.77	321.333	0.00	0.13	0.385	O	|	|	|	|	0.66
316.250	0.00	0.15	0.445	O	|	|	|	|	0.77	321.417	0.00	0.13	0.384	O	|	|	|	|	0.66
316.333	0.00	0.15	0.444	O	|	|	|	|	0.76	321.500	0.00	0.13	0.383	O	|	|	|	|	0.66
316.417	0.00	0.15	0.443	O	|	|	|	|	0.76	321.583	0.00	0.13	0.382	O	|	|	|	|	0.66
316.500	0.00	0.15	0.442	O	|	|	|	|	0.76	321.667	0.00	0.13	0.381	O	|	|	|	|	0.66
316.583	0.00	0.15	0.441	O	|	|	|	|	0.76	321.750	0.00	0.13	0.380	O	|	|	|	|	0.65
316.667	0.00	0.15	0.440	O	|	|	|	|	0.76	321.833	0.00	0.13	0.380	O	|	|	|	|	0.65
316.750	0.00	0.15	0.439	O	|	|	|	|	0.75	321.917	0.00	0.13	0.379	O	|	|	|	|	0.65
316.833	0.00	0.15	0.438	O	|	|	|	|	0.75	322.000	0.00	0.13	0.378	O	|	|	|	|	0.65
316.917	0.00	0.15	0.437	O	|	|	|	|	0.75	322.083	0.00	0.13	0.377	O	|	|	|	|	0.65
317.000	0.00	0.15	0.435	O	|	|	|	|	0.75	322.167	0.00	0.13	0.376	O	|	|	|	|	0.65
317.083	0.00	0.15	0.434	O	|	|	|	|	0.75	322.250	0.00	0.13	0.375	O	|	|	|	|	0.65
317.167	0.00	0.15	0.433	O	|	|	|	|	0.75	322.333	0.00	0.13	0.374	O	|	|	|	|	0.64
317.250	0.00	0.15	0.432	O	|	|	|	|	0.74	322.417	0.00	0.13	0.373	O	|	|	|	|	0.64
317.333	0.00	0.15	0.431	O	|	|	|	|	0.74	322.500	0.00	0.13	0.372	O	|	|	|	|	0.64
317.417	0.00	0.15	0.430	O	|	|	|	|	0.74	322.583	0.00	0.13	0.372	O	|	|	|	|	0.64
317.500	0.00	0.15	0.429	O	|	|	|	|	0.74	322.667	0.00	0.13	0.371	O	|	|	|	|	0.64
317.583	0.00	0.15	0.428	O	|	|	|	|	0.74	322.750	0.00	0.13	0.370	O	|	|	|	|	0.64
317.667	0.00	0.15	0.427	O	|	|	|	|	0.74	322.833	0.00	0.13	0.369	O	|	|	|	|	0.63
317.750	0.00	0.15	0.426	O	|	|	|	|	0.73	322.917	0.00	0.13	0.368	O	|	|	|	|	0.63
317.833	0.00	0.15	0.425	O	|	|	|	|	0.73	323.000	0.00	0.13	0.367	O	|	|	|	|	0.63
317.917	0.00	0.15	0.424	O	|	|	|	|	0.73	323.083	0.00	0.13	0.366	O	|	|	|	|	0.63
318.000	0.00	0.15	0.423	O	|	|	|	|	0.73	323.167	0.00	0.13	0.365	O	|	|	|	|	0.63
318.083	0.00	0.15	0.422	O	|	|	|	|	0.73	323.250	0.00	0.13	0.365	O	|	|	|	|	0.63
318.167	0.00	0.15	0.421	O	|	|	|	|	0.73	323.333	0.00	0.13	0.364	O	|	|	|	|	0.63
318.250	0.00	0.14	0.420	O	|	|	|	|	0.72	323.417	0.00	0.12	0.363	O	|	|	|	|	0.62
318.333	0.00	0.14	0.419	O	|	|	|	|	0.72	323.500	0.00	0.12	0.362	O	|	|	|	|	0.62
318.417	0.00	0.14	0.418	O	|	|	|	|	0.72	323.583	0.00	0.12	0.361	O	|	|	|	|	0.62
318.500	0.00	0.14	0.417	O	|	|	|	|	0.72	323.667	0.00	0.12	0.360	O	|	|	|	|	0.62

323.750	0.00	0.12	0.359	O	|	|	|	|	0.62	328.917	0.00	0.11	0.310	O	|	|	|	|	0.53
323.833	0.00	0.12	0.359	O	|	|	|	|	0.62	329.000	0.00	0.11	0.310	O	|	|	|	|	0.53
323.917	0.00	0.12	0.358	O	|	|	|	|	0.62	329.083	0.00	0.11	0.309	O	|	|	|	|	0.53
324.000	0.00	0.12	0.357	O	|	|	|	|	0.61	329.167	0.00	0.11	0.308	O	|	|	|	|	0.53
324.083	0.00	0.12	0.356	O	|	|	|	|	0.61	329.250	0.00	0.11	0.307	O	|	|	|	|	0.53
324.167	0.00	0.12	0.355	O	|	|	|	|	0.61	329.333	0.00	0.11	0.307	O	|	|	|	|	0.53
324.250	0.00	0.12	0.354	O	|	|	|	|	0.61	329.417	0.00	0.11	0.306	O	|	|	|	|	0.53
324.333	0.00	0.12	0.353	O	|	|	|	|	0.61	329.500	0.00	0.11	0.305	O	|	|	|	|	0.53
324.417	0.00	0.12	0.353	O	|	|	|	|	0.61	329.583	0.00	0.10	0.304	O	|	|	|	|	0.52
324.500	0.00	0.12	0.352	O	|	|	|	|	0.61	329.667	0.00	0.10	0.304	O	|	|	|	|	0.52
324.583	0.00	0.12	0.351	O	|	|	|	|	0.60	329.750	0.00	0.10	0.303	O	|	|	|	|	0.52
324.667	0.00	0.12	0.350	O	|	|	|	|	0.60	329.833	0.00	0.10	0.302	O	|	|	|	|	0.52
324.750	0.00	0.12	0.349	O	|	|	|	|	0.60	329.917	0.00	0.10	0.302	O	|	|	|	|	0.52
324.833	0.00	0.12	0.348	O	|	|	|	|	0.60	330.000	0.00	0.10	0.301	O	|	|	|	|	0.52
324.917	0.00	0.12	0.348	O	|	|	|	|	0.60	330.083	0.00	0.10	0.300	O	|	|	|	|	0.52
325.000	0.00	0.12	0.347	O	|	|	|	|	0.60	330.167	0.00	0.10	0.299	O	|	|	|	|	0.52
325.083	0.00	0.12	0.346	O	|	|	|	|	0.60	330.250	0.00	0.10	0.299	O	|	|	|	|	0.51
325.167	0.00	0.12	0.345	O	|	|	|	|	0.59	330.333	0.00	0.10	0.298	O	|	|	|	|	0.51
325.250	0.00	0.12	0.344	O	|	|	|	|	0.59	330.417	0.00	0.10	0.297	O	|	|	|	|	0.51
325.333	0.00	0.12	0.344	O	|	|	|	|	0.59	330.500	0.00	0.10	0.297	O	|	|	|	|	0.51
325.417	0.00	0.12	0.343	O	|	|	|	|	0.59	330.583	0.00	0.10	0.296	O	|	|	|	|	0.51
325.500	0.00	0.12	0.342	O	|	|	|	|	0.59	330.667	0.00	0.10	0.295	O	|	|	|	|	0.51
325.583	0.00	0.12	0.341	O	|	|	|	|	0.59	330.750	0.00	0.10	0.294	O	|	|	|	|	0.51
325.667	0.00	0.12	0.340	O	|	|	|	|	0.59	330.833	0.00	0.10	0.294	O	|	|	|	|	0.51
325.750	0.00	0.12	0.340	O	|	|	|	|	0.58	330.917	0.00	0.10	0.293	O	|	|	|	|	0.50
325.833	0.00	0.12	0.339	O	|	|	|	|	0.58	331.000	0.00	0.10	0.292	O	|	|	|	|	0.50
325.917	0.00	0.12	0.338	O	|	|	|	|	0.58	331.083	0.00	0.10	0.292	O	|	|	|	|	0.50
326.000	0.00	0.12	0.337	O	|	|	|	|	0.58	331.167	0.00	0.10	0.291	O	|	|	|	|	0.50
326.083	0.00	0.12	0.336	O	|	|	|	|	0.58	331.250	0.00	0.10	0.290	O	|	|	|	|	0.50
326.167	0.00	0.12	0.336	O	|	|	|	|	0.58	331.333	0.00	0.10	0.290	O	|	|	|	|	0.50
326.250	0.00	0.12	0.335	O	|	|	|	|	0.58	331.417	0.00	0.10	0.289	O	|	|	|	|	0.50
326.333	0.00	0.11	0.334	O	|	|	|	|	0.57	331.500	0.00	0.10	0.288	O	|	|	|	|	0.50
326.417	0.00	0.11	0.333	O	|	|	|	|	0.57	331.583	0.00	0.10	0.288	O	|	|	|	|	0.50
326.500	0.00	0.11	0.332	O	|	|	|	|	0.57	331.667	0.00	0.10	0.287	O	|	|	|	|	0.49
326.583	0.00	0.11	0.332	O	|	|	|	|	0.57	331.750	0.00	0.10	0.286	O	|	|	|	|	0.49
326.667	0.00	0.11	0.331	O	|	|	|	|	0.57	331.833	0.00	0.10	0.286	O	|	|	|	|	0.49
326.750	0.00	0.11	0.330	O	|	|	|	|	0.57	331.917	0.00	0.10	0.285	O	|	|	|	|	0.49
326.833	0.00	0.11	0.329	O	|	|	|	|	0.57	332.000	0.00	0.10	0.284	O	|	|	|	|	0.49
326.917	0.00	0.11	0.328	O	|	|	|	|	0.57	332.083	0.00	0.10	0.284	O	|	|	|	|	0.49
327.000	0.00	0.11	0.328	O	|	|	|	|	0.56	332.167	0.00	0.10	0.283	O	|	|	|	|	0.49
327.083	0.00	0.11	0.327	O	|	|	|	|	0.56	332.250	0.00	0.10	0.282	O	|	|	|	|	0.49
327.167	0.00	0.11	0.326	O	|	|	|	|	0.56	332.333	0.00	0.10	0.282	O	|	|	|	|	0.48
327.250	0.00	0.11	0.325	O	|	|	|	|	0.56	332.417	0.00	0.10	0.281	O	|	|	|	|	0.48
327.333	0.00	0.11	0.325	O	|	|	|	|	0.56	332.500	0.00	0.10	0.280	O	|	|	|	|	0.48
327.417	0.00	0.11	0.324	O	|	|	|	|	0.56	332.583	0.00	0.10	0.280	O	|	|	|	|	0.48
327.500	0.00	0.11	0.323	O	|	|	|	|	0.56	332.667	0.00	0.10	0.279	O	|	|	|	|	0.48
327.583	0.00	0.11	0.322	O	|	|	|	|	0.55	332.750	0.00	0.10	0.278	O	|	|	|	|	0.48
327.667	0.00	0.11	0.321	O	|	|	|	|	0.55	332.833	0.00	0.10	0.278	O	|	|	|	|	0.48
327.750	0.00	0.11	0.321	O	|	|	|	|	0.55	332.917	0.00	0.10	0.277	O	|	|	|	|	0.48
327.833	0.00	0.11	0.320	O	|	|	|	|	0.55	333.000	0.00	0.10	0.276	O	|	|	|	|	0.48
327.917	0.00	0.11	0.319	O	|	|	|	|	0.55	333.083	0.00	0.09	0.276	O	|	|	|	|	0.47
328.000	0.00	0.11	0.318	O	|	|	|	|	0.55	333.167	0.00	0.09	0.275	O	|	|	|	|	0.47
328.083	0.00	0.11	0.318	O	|	|	|	|	0.55	333.250	0.00	0.09	0.274	O	|	|	|	|	0.47
328.167	0.00	0.11	0.317	O	|	|	|	|	0.55	333.333	0.00	0.09	0.274	O	|	|	|	|	0.47
328.250	0.00	0.11	0.316	O	|	|	|	|	0.54	333.417	0.00	0.09	0.273	O	|	|	|	|	0.47
328.333	0.00	0.11	0.315	O	|	|	|	|	0.54	333.500	0.00	0.09	0.272	O	|	|	|	|	0.47
328.417	0.00	0.11	0.315	O	|	|	|	|	0.54	333.583	0.00	0.09	0.272	O	|	|	|	|	0.47
328.500	0.00	0.11	0.314	O	|	|	|	|	0.54	333.667	0.00	0.09	0.271	O	|	|	|	|	0.47
328.583	0.00	0.11	0.313	O	|	|	|	|	0.54	333.750	0.00	0.09	0.270	O	|	|	|	|	0.47
328.667	0.00	0.11	0.312	O	|	|	|	|	0.54	333.833	0.00	0.09	0.270	O	|	|	|	|	0.46
328.750	0.00	0.11	0.312	O	|	|	|	|	0.54	333.917	0.00	0.09	0.269	O	|	|	|	|	0.46
328.833	0.00	0.11	0.311	O	|	|	|	|	0.54	334.000	0.00	0.09	0.268	O	|	|	|	|	0.46

334.083	0.00	0.09	0.268	O					0.46	339.250	0.00	0.08	0.231	O					0.40
334.167	0.00	0.09	0.267	O					0.46	339.333	0.00	0.08	0.231	O					0.40
334.250	0.00	0.09	0.267	O					0.46	339.417	0.00	0.08	0.230	O					0.40
334.333	0.00	0.09	0.266	O					0.46	339.500	0.00	0.08	0.230	O					0.40
334.417	0.00	0.09	0.265	O					0.46	339.583	0.00	0.08	0.229	O					0.39
334.500	0.00	0.09	0.265	O					0.46	339.667	0.00	0.08	0.229	O					0.39
334.583	0.00	0.09	0.264	O					0.45	339.750	0.00	0.08	0.228	O					0.39
334.667	0.00	0.09	0.263	O					0.45	339.833	0.00	0.08	0.227	O					0.39
334.750	0.00	0.09	0.263	O					0.45	339.917	0.00	0.08	0.227	O					0.39
334.833	0.00	0.09	0.262	O					0.45	340.000	0.00	0.08	0.226	O					0.39
334.917	0.00	0.09	0.262	O					0.45	340.083	0.00	0.08	0.226	O					0.39
335.000	0.00	0.09	0.261	O					0.45	340.167	0.00	0.08	0.225	O					0.39
335.083	0.00	0.09	0.260	O					0.45	340.250	0.00	0.08	0.225	O					0.39
335.167	0.00	0.09	0.260	O					0.45	340.333	0.00	0.08	0.224	O					0.39
335.250	0.00	0.09	0.259	O					0.45	340.417	0.00	0.08	0.224	O					0.39
335.333	0.00	0.09	0.258	O					0.44	340.500	0.00	0.08	0.223	O					0.38
335.417	0.00	0.09	0.258	O					0.44	340.583	0.00	0.08	0.223	O					0.38
335.500	0.00	0.09	0.257	O					0.44	340.667	0.00	0.08	0.222	O					0.38
335.583	0.00	0.09	0.257	O					0.44	340.750	0.00	0.08	0.222	O					0.38
335.667	0.00	0.09	0.256	O					0.44	340.833	0.00	0.08	0.221	O					0.38
335.750	0.00	0.09	0.255	O					0.44	340.917	0.00	0.08	0.221	O					0.38
335.833	0.00	0.09	0.255	O					0.44	341.000	0.00	0.08	0.220	O					0.38
335.917	0.00	0.09	0.254	O					0.44	341.083	0.00	0.08	0.219	O					0.38
336.000	0.00	0.09	0.254	O					0.44	341.167	0.00	0.08	0.219	O					0.38
336.083	0.00	0.09	0.253	O					0.44	341.250	0.00	0.08	0.218	O					0.38
336.167	0.00	0.09	0.252	O					0.43	341.333	0.00	0.08	0.218	O					0.38
336.250	0.00	0.09	0.252	O					0.43	341.417	0.00	0.07	0.217	O					0.37
336.333	0.00	0.09	0.251	O					0.43	341.500	0.00	0.07	0.217	O					0.37
336.417	0.00	0.09	0.251	O					0.43	341.583	0.00	0.07	0.216	O					0.37
336.500	0.00	0.09	0.250	O					0.43	341.667	0.00	0.07	0.216	O					0.37
336.583	0.00	0.09	0.249	O					0.43	341.750	0.00	0.07	0.215	O					0.37
336.667	0.00	0.09	0.249	O					0.43	341.833	0.00	0.07	0.215	O					0.37
336.750	0.00	0.09	0.248	O					0.43	341.917	0.00	0.07	0.214	O					0.37
336.833	0.00	0.09	0.248	O					0.43	342.000	0.00	0.07	0.214	O					0.37
336.917	0.00	0.09	0.247	O					0.43	342.083	0.00	0.07	0.213	O					0.37
337.000	0.00	0.08	0.247	O					0.42	342.167	0.00	0.07	0.213	O					0.37
337.083	0.00	0.08	0.246	O					0.42	342.250	0.00	0.07	0.212	O					0.37
337.167	0.00	0.08	0.245	O					0.42	342.333	0.00	0.07	0.212	O					0.36
337.250	0.00	0.08	0.245	O					0.42	342.417	0.00	0.07	0.211	O					0.36
337.333	0.00	0.08	0.244	O					0.42	342.500	0.00	0.07	0.211	O					0.36
337.417	0.00	0.08	0.244	O					0.42	342.583	0.00	0.07	0.210	O					0.36
337.500	0.00	0.08	0.243	O					0.42	342.667	0.00	0.07	0.210	O					0.36
337.583	0.00	0.08	0.242	O					0.42	342.750	0.00	0.07	0.209	O					0.36
337.667	0.00	0.08	0.242	O					0.42	342.833	0.00	0.07	0.209	O					0.36
337.750	0.00	0.08	0.241	O					0.42	342.917	0.00	0.07	0.208	O					0.36
337.833	0.00	0.08	0.241	O					0.41	343.000	0.00	0.07	0.208	O					0.36
337.917	0.00	0.08	0.240	O					0.41	343.083	0.00	0.07	0.207	O					0.36
338.000	0.00	0.08	0.240	O					0.41	343.167	0.00	0.07	0.207	O					0.36
338.083	0.00	0.08	0.239	O					0.41	343.250	0.00	0.07	0.206	O					0.36
338.167	0.00	0.08	0.238	O					0.41	343.333	0.00	0.07	0.206	O					0.35
338.250	0.00	0.08	0.238	O					0.41	343.417	0.00	0.07	0.205	O					0.35
338.333	0.00	0.08	0.237	O					0.41	343.500	0.00	0.07	0.205	O					0.35
338.417	0.00	0.08	0.237	O					0.41	343.583	0.00	0.07	0.204	O					0.35
338.500	0.00	0.08	0.236	O					0.41	343.667	0.00	0.07	0.204	O					0.35
338.583	0.00	0.08	0.236	O					0.41	343.750	0.00	0.07	0.203	O					0.35
338.667	0.00	0.08	0.235	O					0.40	343.833	0.00	0.07	0.203	O					0.35
338.750	0.00	0.08	0.235	O					0.40	343.917	0.00	0.07	0.202	O					0.35
338.833	0.00	0.08	0.234	O					0.40	344.000	0.00	0.07	0.202	O					0.35
338.917	0.00	0.08	0.233	O					0.40	344.083	0.00	0.07	0.202	O					0.35
339.000	0.00	0.08	0.233	O					0.40	344.167	0.00	0.07	0.201	O					0.35
339.083	0.00	0.08	0.232	O					0.40	344.250	0.00	0.07	0.201	O					0.35
339.167	0.00	0.08	0.232	O					0.40	344.333	0.00	0.07	0.200	O					0.34

344.417	0.00	0.07	0.200	O	|	|	|	|	0.34	349.583	0.00	0.06	0.172	O	|	|	|	|	0.30
344.500	0.00	0.07	0.199	O	|	|	|	|	0.34	349.667	0.00	0.06	0.172	O	|	|	|	|	0.30
344.583	0.00	0.07	0.199	O	|	|	|	|	0.34	349.750	0.00	0.06	0.172	O	|	|	|	|	0.30
344.667	0.00	0.07	0.198	O	|	|	|	|	0.34	349.833	0.00	0.06	0.171	O	|	|	|	|	0.29
344.750	0.00	0.07	0.198	O	|	|	|	|	0.34	349.917	0.00	0.06	0.171	O	|	|	|	|	0.29
344.833	0.00	0.07	0.197	O	|	|	|	|	0.34	350.000	0.00	0.06	0.170	O	|	|	|	|	0.29
344.917	0.00	0.07	0.197	O	|	|	|	|	0.34	350.083	0.00	0.06	0.170	O	|	|	|	|	0.29
345.000	0.00	0.07	0.196	O	|	|	|	|	0.34	350.167	0.00	0.06	0.170	O	|	|	|	|	0.29
345.083	0.00	0.07	0.196	O	|	|	|	|	0.34	350.250	0.00	0.06	0.169	O	|	|	|	|	0.29
345.167	0.00	0.07	0.195	O	|	|	|	|	0.34	350.333	0.00	0.06	0.169	O	|	|	|	|	0.29
345.250	0.00	0.07	0.195	O	|	|	|	|	0.34	350.417	0.00	0.06	0.168	O	|	|	|	|	0.29
345.333	0.00	0.07	0.194	O	|	|	|	|	0.33	350.500	0.00	0.06	0.168	O	|	|	|	|	0.29
345.417	0.00	0.07	0.194	O	|	|	|	|	0.33	350.583	0.00	0.06	0.168	O	|	|	|	|	0.29
345.500	0.00	0.07	0.194	O	|	|	|	|	0.33	350.667	0.00	0.06	0.167	O	|	|	|	|	0.29
345.583	0.00	0.07	0.193	O	|	|	|	|	0.33	350.750	0.00	0.06	0.167	O	|	|	|	|	0.29
345.667	0.00	0.07	0.193	O	|	|	|	|	0.33	350.833	0.00	0.06	0.166	O	|	|	|	|	0.29
345.750	0.00	0.07	0.192	O	|	|	|	|	0.33	350.917	0.00	0.06	0.166	O	|	|	|	|	0.29
345.833	0.00	0.07	0.192	O	|	|	|	|	0.33	351.000	0.00	0.06	0.166	O	|	|	|	|	0.28
345.917	0.00	0.07	0.191	O	|	|	|	|	0.33	351.083	0.00	0.06	0.165	O	|	|	|	|	0.28
346.000	0.00	0.07	0.191	O	|	|	|	|	0.33	351.167	0.00	0.06	0.165	O	|	|	|	|	0.28
346.083	0.00	0.07	0.190	O	|	|	|	|	0.33	351.250	0.00	0.06	0.164	O	|	|	|	|	0.28
346.167	0.00	0.07	0.190	O	|	|	|	|	0.33	351.333	0.00	0.06	0.164	O	|	|	|	|	0.28
346.250	0.00	0.07	0.189	O	|	|	|	|	0.33	351.417	0.00	0.06	0.164	O	|	|	|	|	0.28
346.333	0.00	0.07	0.189	O	|	|	|	|	0.33	351.500	0.00	0.06	0.163	O	|	|	|	|	0.28
346.417	0.00	0.06	0.189	O	|	|	|	|	0.32	351.583	0.00	0.06	0.163	O	|	|	|	|	0.28
346.500	0.00	0.06	0.188	O	|	|	|	|	0.32	351.667	0.00	0.06	0.162	O	|	|	|	|	0.28
346.583	0.00	0.06	0.188	O	|	|	|	|	0.32	351.750	0.00	0.06	0.162	O	|	|	|	|	0.28
346.667	0.00	0.06	0.187	O	|	|	|	|	0.32	351.833	0.00	0.06	0.162	O	|	|	|	|	0.28
346.750	0.00	0.06	0.187	O	|	|	|	|	0.32	351.917	0.00	0.06	0.161	O	|	|	|	|	0.28
346.833	0.00	0.06	0.186	O	|	|	|	|	0.32	352.000	0.00	0.06	0.161	O	|	|	|	|	0.28
346.917	0.00	0.06	0.186	O	|	|	|	|	0.32	352.083	0.00	0.06	0.161	O	|	|	|	|	0.28
347.000	0.00	0.06	0.185	O	|	|	|	|	0.32	352.167	0.00	0.06	0.160	O	|	|	|	|	0.28
347.083	0.00	0.06	0.185	O	|	|	|	|	0.32	352.250	0.00	0.05	0.160	O	|	|	|	|	0.27
347.167	0.00	0.06	0.185	O	|	|	|	|	0.32	352.333	0.00	0.05	0.159	O	|	|	|	|	0.27
347.250	0.00	0.06	0.184	O	|	|	|	|	0.32	352.417	0.00	0.05	0.159	O	|	|	|	|	0.27
347.333	0.00	0.06	0.184	O	|	|	|	|	0.32	352.500	0.00	0.05	0.159	O	|	|	|	|	0.27
347.417	0.00	0.06	0.183	O	|	|	|	|	0.32	352.583	0.00	0.05	0.158	O	|	|	|	|	0.27
347.500	0.00	0.06	0.183	O	|	|	|	|	0.31	352.667	0.00	0.05	0.158	O	|	|	|	|	0.27
347.583	0.00	0.06	0.182	O	|	|	|	|	0.31	352.750	0.00	0.05	0.157	O	|	|	|	|	0.27
347.667	0.00	0.06	0.182	O	|	|	|	|	0.31	352.833	0.00	0.05	0.157	O	|	|	|	|	0.27
347.750	0.00	0.06	0.182	O	|	|	|	|	0.31	352.917	0.00	0.05	0.157	O	|	|	|	|	0.27
347.833	0.00	0.06	0.181	O	|	|	|	|	0.31	353.000	0.00	0.05	0.156	O	|	|	|	|	0.27
347.917	0.00	0.06	0.181	O	|	|	|	|	0.31	353.083	0.00	0.05	0.156	O	|	|	|	|	0.27
348.000	0.00	0.06	0.180	O	|	|	|	|	0.31	353.167	0.00	0.05	0.156	O	|	|	|	|	0.27
348.083	0.00	0.06	0.180	O	|	|	|	|	0.31	353.250	0.00	0.05	0.155	O	|	|	|	|	0.27
348.167	0.00	0.06	0.179	O	|	|	|	|	0.31	353.333	0.00	0.05	0.155	O	|	|	|	|	0.27
348.250	0.00	0.06	0.179	O	|	|	|	|	0.31	353.417	0.00	0.05	0.155	O	|	|	|	|	0.27
348.333	0.00	0.06	0.179	O	|	|	|	|	0.31	353.500	0.00	0.05	0.154	O	|	|	|	|	0.27
348.417	0.00	0.06	0.178	O	|	|	|	|	0.31	353.583	0.00	0.05	0.154	O	|	|	|	|	0.26
348.500	0.00	0.06	0.178	O	|	|	|	|	0.31	353.667	0.00	0.05	0.153	O	|	|	|	|	0.26
348.583	0.00	0.06	0.177	O	|	|	|	|	0.31	353.750	0.00	0.05	0.153	O	|	|	|	|	0.26
348.667	0.00	0.06	0.177	O	|	|	|	|	0.30	353.833	0.00	0.05	0.153	O	|	|	|	|	0.26
348.750	0.00	0.06	0.176	O	|	|	|	|	0.30	353.917	0.00	0.05	0.152	O	|	|	|	|	0.26
348.833	0.00	0.06	0.176	O	|	|	|	|	0.30	354.000	0.00	0.05	0.152	O	|	|	|	|	0.26
348.917	0.00	0.06	0.176	O	|	|	|	|	0.30	354.083	0.00	0.05	0.152	O	|	|	|	|	0.26
349.000	0.00	0.06	0.175	O	|	|	|	|	0.30	354.167	0.00	0.05	0.151	O	|	|	|	|	0.26
349.083	0.00	0.06	0.175	O	|	|	|	|	0.30	354.250	0.00	0.05	0.151	O	|	|	|	|	0.26
349.167	0.00	0.06	0.174	O	|	|	|	|	0.30	354.333	0.00	0.05	0.151	O	|	|	|	|	0.26
349.250	0.00	0.06	0.174	O	|	|	|	|	0.30	354.417	0.00	0.05	0.150	O	|	|	|	|	0.26
349.333	0.00	0.06	0.174	O	|	|	|	|	0.30	354.500	0.00	0.05	0.150	O	|	|	|	|	0.26
349.417	0.00	0.06	0.173	O	|	|	|	|	0.30	354.583	0.00	0.05	0.149	O	|	|	|	|	0.26
349.500	0.00	0.06	0.173	O	|	|	|	|	0.30	354.667	0.00	0.05	0.149	O	|	|	|	|	0.26

354.750	0.00	0.05	0.149	O	|	|	|	|	0.26	359.917	0.00	0.04	0.128	O	|	|	|	|	0.22
354.833	0.00	0.05	0.148	O	|	|	|	|	0.26	360.000	0.00	0.04	0.128	O	|	|	|	|	0.22
354.917	0.00	0.05	0.148	O	|	|	|	|	0.25	360.083	0.00	0.04	0.128	O	|	|	|	|	0.22
355.000	0.00	0.05	0.148	O	|	|	|	|	0.25	360.167	0.00	0.04	0.128	O	|	|	|	|	0.22
355.083	0.00	0.05	0.147	O	|	|	|	|	0.25	360.250	0.00	0.04	0.127	O	|	|	|	|	0.22
355.167	0.00	0.05	0.147	O	|	|	|	|	0.25	360.333	0.00	0.04	0.127	O	|	|	|	|	0.22
355.250	0.00	0.05	0.147	O	|	|	|	|	0.25	360.417	0.00	0.04	0.127	O	|	|	|	|	0.22
355.333	0.00	0.05	0.146	O	|	|	|	|	0.25	360.500	0.00	0.04	0.126	O	|	|	|	|	0.22
355.417	0.00	0.05	0.146	O	|	|	|	|	0.25	360.583	0.00	0.04	0.126	O	|	|	|	|	0.22
355.500	0.00	0.05	0.146	O	|	|	|	|	0.25	360.667	0.00	0.04	0.126	O	|	|	|	|	0.22
355.583	0.00	0.05	0.145	O	|	|	|	|	0.25	360.750	0.00	0.04	0.125	O	|	|	|	|	0.22
355.667	0.00	0.05	0.145	O	|	|	|	|	0.25	360.833	0.00	0.04	0.125	O	|	|	|	|	0.22
355.750	0.00	0.05	0.145	O	|	|	|	|	0.25	360.917	0.00	0.04	0.125	O	|	|	|	|	0.21
355.833	0.00	0.05	0.144	O	|	|	|	|	0.25	361.000	0.00	0.04	0.125	O	|	|	|	|	0.21
355.917	0.00	0.05	0.144	O	|	|	|	|	0.25	361.083	0.00	0.04	0.124	O	|	|	|	|	0.21
356.000	0.00	0.05	0.144	O	|	|	|	|	0.25	361.167	0.00	0.04	0.124	O	|	|	|	|	0.21
356.083	0.00	0.05	0.143	O	|	|	|	|	0.25	361.250	0.00	0.04	0.124	O	|	|	|	|	0.21
356.167	0.00	0.05	0.143	O	|	|	|	|	0.25	361.333	0.00	0.04	0.123	O	|	|	|	|	0.21
356.250	0.00	0.05	0.143	O	|	|	|	|	0.25	361.417	0.00	0.04	0.123	O	|	|	|	|	0.21
356.333	0.00	0.05	0.142	O	|	|	|	|	0.24	361.500	0.00	0.04	0.123	O	|	|	|	|	0.21
356.417	0.00	0.05	0.142	O	|	|	|	|	0.24	361.583	0.00	0.04	0.122	O	|	|	|	|	0.21
356.500	0.00	0.05	0.142	O	|	|	|	|	0.24	361.667	0.00	0.04	0.122	O	|	|	|	|	0.21
356.583	0.00	0.05	0.141	O	|	|	|	|	0.24	361.750	0.00	0.04	0.122	O	|	|	|	|	0.21
356.667	0.00	0.05	0.141	O	|	|	|	|	0.24	361.833	0.00	0.04	0.122	O	|	|	|	|	0.21
356.750	0.00	0.05	0.141	O	|	|	|	|	0.24	361.917	0.00	0.04	0.121	O	|	|	|	|	0.21
356.833	0.00	0.05	0.140	O	|	|	|	|	0.24	362.000	0.00	0.04	0.121	O	|	|	|	|	0.21
356.917	0.00	0.05	0.140	O	|	|	|	|	0.24	362.083	0.00	0.04	0.121	O	|	|	|	|	0.21
357.000	0.00	0.05	0.140	O	|	|	|	|	0.24	362.167	0.00	0.04	0.120	O	|	|	|	|	0.21
357.083	0.00	0.05	0.139	O	|	|	|	|	0.24	362.250	0.00	0.04	0.120	O	|	|	|	|	0.21
357.167	0.00	0.05	0.139	O	|	|	|	|	0.24	362.333	0.00	0.04	0.120	O	|	|	|	|	0.21
357.250	0.00	0.05	0.139	O	|	|	|	|	0.24	362.417	0.00	0.04	0.120	O	|	|	|	|	0.21
357.333	0.00	0.05	0.138	O	|	|	|	|	0.24	362.500	0.00	0.04	0.119	O	|	|	|	|	0.21
357.417	0.00	0.05	0.138	O	|	|	|	|	0.24	362.583	0.00	0.04	0.119	O	|	|	|	|	0.20
357.500	0.00	0.05	0.138	O	|	|	|	|	0.24	362.667	0.00	0.04	0.119	O	|	|	|	|	0.20
357.583	0.00	0.05	0.137	O	|	|	|	|	0.24	362.750	0.00	0.04	0.118	O	|	|	|	|	0.20
357.667	0.00	0.05	0.137	O	|	|	|	|	0.24	362.833	0.00	0.04	0.118	O	|	|	|	|	0.20
357.750	0.00	0.05	0.137	O	|	|	|	|	0.24	362.917	0.00	0.04	0.118	O	|	|	|	|	0.20
357.833	0.00	0.05	0.136	O	|	|	|	|	0.23	363.000	0.00	0.04	0.118	O	|	|	|	|	0.20
357.917	0.00	0.05	0.136	O	|	|	|	|	0.23	363.083	0.00	0.04	0.117	O	|	|	|	|	0.20
358.000	0.00	0.05	0.136	O	|	|	|	|	0.23	363.167	0.00	0.04	0.117	O	|	|	|	|	0.20
358.083	0.00	0.05	0.135	O	|	|	|	|	0.23	363.250	0.00	0.04	0.117	O	|	|	|	|	0.20
358.167	0.00	0.05	0.135	O	|	|	|	|	0.23	363.333	0.00	0.04	0.117	O	|	|	|	|	0.20
358.250	0.00	0.05	0.135	O	|	|	|	|	0.23	363.417	0.00	0.04	0.116	O	|	|	|	|	0.20
358.333	0.00	0.05	0.134	O	|	|	|	|	0.23	363.500	0.00	0.04	0.116	O	|	|	|	|	0.20
358.417	0.00	0.05	0.134	O	|	|	|	|	0.23	363.583	0.00	0.04	0.116	O	|	|	|	|	0.20
358.500	0.00	0.05	0.134	O	|	|	|	|	0.23	363.667	0.00	0.04	0.115	O	|	|	|	|	0.20
358.583	0.00	0.05	0.133	O	|	|	|	|	0.23	363.750	0.00	0.04	0.115	O	|	|	|	|	0.20
358.667	0.00	0.05	0.133	O	|	|	|	|	0.23	363.833	0.00	0.04	0.115	O	|	|	|	|	0.20
358.750	0.00	0.05	0.133	O	|	|	|	|	0.23	363.917	0.00	0.04	0.115	O	|	|	|	|	0.20
358.833	0.00	0.05	0.132	O	|	|	|	|	0.23	364.000	0.00	0.04	0.114	O	|	|	|	|	0.20
358.917	0.00	0.05	0.132	O	|	|	|	|	0.23	364.083	0.00	0.04	0.114	O	|	|	|	|	0.20
359.000	0.00	0.05	0.132	O	|	|	|	|	0.23	364.167	0.00	0.04	0.114	O	|	|	|	|	0.20
359.083	0.00	0.05	0.132	O	|	|	|	|	0.23	364.250	0.00	0.04	0.114	O	|	|	|	|	0.20
359.167	0.00	0.05	0.131	O	|	|	|	|	0.23	364.333	0.00	0.04	0.113	O	|	|	|	|	0.19
359.250	0.00	0.05	0.131	O	|	|	|	|	0.23	364.417	0.00	0.04	0.113	O	|	|	|	|	0.19
359.333	0.00	0.04	0.131	O	|	|	|	|	0.22	364.500	0.00	0.04	0.113	O	|	|	|	|	0.19
359.417	0.00	0.04	0.130	O	|	|	|	|	0.22	364.583	0.00	0.04	0.112	O	|	|	|	|	0.19
359.500	0.00	0.04	0.130	O	|	|	|	|	0.22	364.667	0.00	0.04	0.112	O	|	|	|	|	0.19
359.583	0.00	0.04	0.130	O	|	|	|	|	0.22	364.750	0.00	0.04	0.112	O	|	|	|	|	0.19
359.667	0.00	0.04	0.129	O	|	|	|	|	0.22	364.833	0.00	0.04	0.112	O	|	|	|	|	0.19
359.750	0.00	0.04	0.129	O	|	|	|	|	0.22	364.917	0.00	0.04	0.111	O	|	|	|	|	0.19
359.833	0.00	0.04	0.129	O	|	|	|	|	0.22	365.000	0.00	0.04	0.111	O	|	|	|	|	0.19

365.083	0.00	0.04	0.111	O	|	|	|	|	0.19	370.250	0.00	0.03	0.096	O	|	|	|	|	0.16
365.167	0.00	0.04	0.111	O	|	|	|	|	0.19	370.333	0.00	0.03	0.096	O	|	|	|	|	0.16
365.250	0.00	0.04	0.110	O	|	|	|	|	0.19	370.417	0.00	0.03	0.095	O	|	|	|	|	0.16
365.333	0.00	0.04	0.110	O	|	|	|	|	0.19	370.500	0.00	0.03	0.095	O	|	|	|	|	0.16
365.417	0.00	0.04	0.110	O	|	|	|	|	0.19	370.583	0.00	0.03	0.095	O	|	|	|	|	0.16
365.500	0.00	0.04	0.110	O	|	|	|	|	0.19	370.667	0.00	0.03	0.095	O	|	|	|	|	0.16
365.583	0.00	0.04	0.109	O	|	|	|	|	0.19	370.750	0.00	0.03	0.094	O	|	|	|	|	0.16
365.667	0.00	0.04	0.109	O	|	|	|	|	0.19	370.833	0.00	0.03	0.094	O	|	|	|	|	0.16
365.750	0.00	0.04	0.109	O	|	|	|	|	0.19	370.917	0.00	0.03	0.094	O	|	|	|	|	0.16
365.833	0.00	0.04	0.109	O	|	|	|	|	0.19	371.000	0.00	0.03	0.094	O	|	|	|	|	0.16
365.917	0.00	0.04	0.108	O	|	|	|	|	0.19	371.083	0.00	0.03	0.093	O	|	|	|	|	0.16
366.000	0.00	0.04	0.108	O	|	|	|	|	0.19	371.167	0.00	0.03	0.093	O	|	|	|	|	0.16
366.083	0.00	0.04	0.108	O	|	|	|	|	0.19	371.250	0.00	0.03	0.093	O	|	|	|	|	0.16
366.167	0.00	0.04	0.108	O	|	|	|	|	0.19	371.333	0.00	0.03	0.093	O	|	|	|	|	0.16
366.250	0.00	0.04	0.107	O	|	|	|	|	0.18	371.417	0.00	0.03	0.093	O	|	|	|	|	0.16
366.333	0.00	0.04	0.107	O	|	|	|	|	0.18	371.500	0.00	0.03	0.092	O	|	|	|	|	0.16
366.417	0.00	0.04	0.107	O	|	|	|	|	0.18	371.583	0.00	0.03	0.092	O	|	|	|	|	0.16
366.500	0.00	0.04	0.107	O	|	|	|	|	0.18	371.667	0.00	0.03	0.092	O	|	|	|	|	0.16
366.583	0.00	0.04	0.106	O	|	|	|	|	0.18	371.750	0.00	0.03	0.092	O	|	|	|	|	0.16
366.667	0.00	0.04	0.106	O	|	|	|	|	0.18	371.833	0.00	0.03	0.092	O	|	|	|	|	0.16
366.750	0.00	0.04	0.106	O	|	|	|	|	0.18	371.917	0.00	0.03	0.091	O	|	|	|	|	0.16
366.833	0.00	0.04	0.106	O	|	|	|	|	0.18	372.000	0.00	0.03	0.091	O	|	|	|	|	0.16
366.917	0.00	0.04	0.105	O	|	|	|	|	0.18	372.083	0.00	0.03	0.091	O	|	|	|	|	0.16
367.000	0.00	0.04	0.105	O	|	|	|	|	0.18	372.167	0.00	0.03	0.091	O	|	|	|	|	0.16
367.083	0.00	0.04	0.105	O	|	|	|	|	0.18	372.250	0.00	0.03	0.090	O	|	|	|	|	0.16
367.167	0.00	0.04	0.105	O	|	|	|	|	0.18	372.333	0.00	0.03	0.090	O	|	|	|	|	0.16
367.250	0.00	0.04	0.104	O	|	|	|	|	0.18	372.417	0.00	0.03	0.090	O	|	|	|	|	0.15
367.333	0.00	0.04	0.104	O	|	|	|	|	0.18	372.500	0.00	0.03	0.090	O	|	|	|	|	0.15
367.417	0.00	0.04	0.104	O	|	|	|	|	0.18	372.583	0.00	0.03	0.090	O	|	|	|	|	0.15
367.500	0.00	0.04	0.104	O	|	|	|	|	0.18	372.667	0.00	0.03	0.089	O	|	|	|	|	0.15
367.583	0.00	0.04	0.103	O	|	|	|	|	0.18	372.750	0.00	0.03	0.089	O	|	|	|	|	0.15
367.667	0.00	0.04	0.103	O	|	|	|	|	0.18	372.833	0.00	0.03	0.089	O	|	|	|	|	0.15
367.750	0.00	0.04	0.103	O	|	|	|	|	0.18	372.917	0.00	0.03	0.089	O	|	|	|	|	0.15
367.833	0.00	0.04	0.103	O	|	|	|	|	0.18	373.000	0.00	0.03	0.089	O	|	|	|	|	0.15
367.917	0.00	0.04	0.102	O	|	|	|	|	0.18	373.083	0.00	0.03	0.088	O	|	|	|	|	0.15
368.000	0.00	0.04	0.102	O	|	|	|	|	0.18	373.167	0.00	0.03	0.088	O	|	|	|	|	0.15
368.083	0.00	0.04	0.102	O	|	|	|	|	0.18	373.250	0.00	0.03	0.088	O	|	|	|	|	0.15
368.167	0.00	0.03	0.102	O	|	|	|	|	0.17	373.333	0.00	0.03	0.088	O	|	|	|	|	0.15
368.250	0.00	0.03	0.101	O	|	|	|	|	0.17	373.417	0.00	0.03	0.087	O	|	|	|	|	0.15
368.333	0.00	0.03	0.101	O	|	|	|	|	0.17	373.500	0.00	0.03	0.087	O	|	|	|	|	0.15
368.417	0.00	0.03	0.101	O	|	|	|	|	0.17	373.583	0.00	0.03	0.087	O	|	|	|	|	0.15
368.500	0.00	0.03	0.101	O	|	|	|	|	0.17	373.667	0.00	0.03	0.087	O	|	|	|	|	0.15
368.583	0.00	0.03	0.100	O	|	|	|	|	0.17	373.750	0.00	0.03	0.087	O	|	|	|	|	0.15
368.667	0.00	0.03	0.100	O	|	|	|	|	0.17	373.833	0.00	0.03	0.086	O	|	|	|	|	0.15
368.750	0.00	0.03	0.100	O	|	|	|	|	0.17	373.917	0.00	0.03	0.086	O	|	|	|	|	0.15
368.833	0.00	0.03	0.100	O	|	|	|	|	0.17	374.000	0.00	0.03	0.086	O	|	|	|	|	0.15
368.917	0.00	0.03	0.099	O	|	|	|	|	0.17	374.083	0.00	0.03	0.086	O	|	|	|	|	0.15
369.000	0.00	0.03	0.099	O	|	|	|	|	0.17	374.167	0.00	0.03	0.086	O	|	|	|	|	0.15
369.083	0.00	0.03	0.099	O	|	|	|	|	0.17	374.250	0.00	0.03	0.085	O	|	|	|	|	0.15
369.167	0.00	0.03	0.099	O	|	|	|	|	0.17	374.333	0.00	0.03	0.085	O	|	|	|	|	0.15
369.250	0.00	0.03	0.098	O	|	|	|	|	0.17	374.417	0.00	0.03	0.085	O	|	|	|	|	0.15
369.333	0.00	0.03	0.098	O	|	|	|	|	0.17	374.500	0.00	0.03	0.085	O	|	|	|	|	0.15
369.417	0.00	0.03	0.098	O	|	|	|	|	0.17	374.583	0.00	0.03	0.085	O	|	|	|	|	0.15
369.500	0.00	0.03	0.098	O	|	|	|	|	0.17	374.667	0.00	0.03	0.084	O	|	|	|	|	0.15
369.583	0.00	0.03	0.098	O	|	|	|	|	0.17	374.750	0.00	0.03	0.084	O	|	|	|	|	0.14
369.667	0.00	0.03	0.097	O	|	|	|	|	0.17	374.833	0.00	0.03	0.084	O	|	|	|	|	0.14
369.750	0.00	0.03	0.097	O	|	|	|	|	0.17	374.917	0.00	0.03	0.084	O	|	|	|	|	0.14
369.833	0.00	0.03	0.097	O	|	|	|	|	0.17	375.000	0.00	0.03	0.084	O	|	|	|	|	0.14
369.917	0.00	0.03	0.097	O	|	|	|	|	0.17	375.083	0.00	0.03	0.083	O	|	|	|	|	0.14
370.000	0.00	0.03	0.096	O	|	|	|	|	0.17	375.167	0.00	0.03	0.083	O	|	|	|	|	0.14
370.083	0.00	0.03	0.096	O	|	|	|	|	0.17	375.250	0.00	0.03	0.083	O	|	|	|	|	0.14
370.167	0.00	0.03	0.096	O	|	|	|	|	0.17	375.333	0.00	0.03	0.083	O	|	|	|	|	0.14

375.417	0.00	0.03	0.083	O	|	|	|	|	0.14	380.583	0.00	0.02	0.071	O	|	|	|	|	0.12
375.500	0.00	0.03	0.082	O	|	|	|	|	0.14	380.667	0.00	0.02	0.071	O	|	|	|	|	0.12
375.583	0.00	0.03	0.082	O	|	|	|	|	0.14	380.750	0.00	0.02	0.071	O	|	|	|	|	0.12
375.667	0.00	0.03	0.082	O	|	|	|	|	0.14	380.833	0.00	0.02	0.071	O	|	|	|	|	0.12
375.750	0.00	0.03	0.082	O	|	|	|	|	0.14	380.917	0.00	0.02	0.071	O	|	|	|	|	0.12
375.833	0.00	0.03	0.082	O	|	|	|	|	0.14	381.000	0.00	0.02	0.071	O	|	|	|	|	0.12
375.917	0.00	0.03	0.081	O	|	|	|	|	0.14	381.083	0.00	0.02	0.070	O	|	|	|	|	0.12
376.000	0.00	0.03	0.081	O	|	|	|	|	0.14	381.167	0.00	0.02	0.070	O	|	|	|	|	0.12
376.083	0.00	0.03	0.081	O	|	|	|	|	0.14	381.250	0.00	0.02	0.070	O	|	|	|	|	0.12
376.167	0.00	0.03	0.081	O	|	|	|	|	0.14	381.333	0.00	0.02	0.070	O	|	|	|	|	0.12
376.250	0.00	0.03	0.081	O	|	|	|	|	0.14	381.417	0.00	0.02	0.070	O	|	|	|	|	0.12
376.333	0.00	0.03	0.081	O	|	|	|	|	0.14	381.500	0.00	0.02	0.070	O	|	|	|	|	0.12
376.417	0.00	0.03	0.080	O	|	|	|	|	0.14	381.583	0.00	0.02	0.069	O	|	|	|	|	0.12
376.500	0.00	0.03	0.080	O	|	|	|	|	0.14	381.667	0.00	0.02	0.069	O	|	|	|	|	0.12
376.583	0.00	0.03	0.080	O	|	|	|	|	0.14	381.750	0.00	0.02	0.069	O	|	|	|	|	0.12
376.667	0.00	0.03	0.080	O	|	|	|	|	0.14	381.833	0.00	0.02	0.069	O	|	|	|	|	0.12
376.750	0.00	0.03	0.080	O	|	|	|	|	0.14	381.917	0.00	0.02	0.069	O	|	|	|	|	0.12
376.833	0.00	0.03	0.079	O	|	|	|	|	0.14	382.000	0.00	0.02	0.069	O	|	|	|	|	0.12
376.917	0.00	0.03	0.079	O	|	|	|	|	0.14	382.083	0.00	0.02	0.068	O	|	|	|	|	0.12
377.000	0.00	0.03	0.079	O	|	|	|	|	0.14	382.167	0.00	0.02	0.068	O	|	|	|	|	0.12
377.083	0.00	0.03	0.079	O	|	|	|	|	0.14	382.250	0.00	0.02	0.068	O	|	|	|	|	0.12
377.167	0.00	0.03	0.079	O	|	|	|	|	0.14	382.333	0.00	0.02	0.068	O	|	|	|	|	0.12
377.250	0.00	0.03	0.078	O	|	|	|	|	0.14	382.417	0.00	0.02	0.068	O	|	|	|	|	0.12
377.333	0.00	0.03	0.078	O	|	|	|	|	0.13	382.500	0.00	0.02	0.068	O	|	|	|	|	0.12
377.417	0.00	0.03	0.078	O	|	|	|	|	0.13	382.583	0.00	0.02	0.067	O	|	|	|	|	0.12
377.500	0.00	0.03	0.078	O	|	|	|	|	0.13	382.667	0.00	0.02	0.067	O	|	|	|	|	0.12
377.583	0.00	0.03	0.078	O	|	|	|	|	0.13	382.750	0.00	0.02	0.067	O	|	|	|	|	0.12
377.667	0.00	0.03	0.078	O	|	|	|	|	0.13	382.833	0.00	0.02	0.067	O	|	|	|	|	0.12
377.750	0.00	0.03	0.077	O	|	|	|	|	0.13	382.917	0.00	0.02	0.067	O	|	|	|	|	0.11
377.833	0.00	0.03	0.077	O	|	|	|	|	0.13	383.000	0.00	0.02	0.067	O	|	|	|	|	0.11
377.917	0.00	0.03	0.077	O	|	|	|	|	0.13	383.083	0.00	0.02	0.066	O	|	|	|	|	0.11
378.000	0.00	0.03	0.077	O	|	|	|	|	0.13	383.167	0.00	0.02	0.066	O	|	|	|	|	0.11
378.083	0.00	0.03	0.077	O	|	|	|	|	0.13	383.250	0.00	0.02	0.066	O	|	|	|	|	0.11
378.167	0.00	0.03	0.076	O	|	|	|	|	0.13	383.333	0.00	0.02	0.066	O	|	|	|	|	0.11
378.250	0.00	0.03	0.076	O	|	|	|	|	0.13	383.417	0.00	0.02	0.066	O	|	|	|	|	0.11
378.333	0.00	0.03	0.076	O	|	|	|	|	0.13	383.500	0.00	0.02	0.066	O	|	|	|	|	0.11
378.417	0.00	0.03	0.076	O	|	|	|	|	0.13	383.583	0.00	0.02	0.066	O	|	|	|	|	0.11
378.500	0.00	0.03	0.076	O	|	|	|	|	0.13	383.667	0.00	0.02	0.065	O	|	|	|	|	0.11
378.583	0.00	0.03	0.076	O	|	|	|	|	0.13	383.750	0.00	0.02	0.065	O	|	|	|	|	0.11
378.667	0.00	0.03	0.075	O	|	|	|	|	0.13	383.833	0.00	0.02	0.065	O	|	|	|	|	0.11
378.750	0.00	0.03	0.075	O	|	|	|	|	0.13	383.917	0.00	0.02	0.065	O	|	|	|	|	0.11
378.833	0.00	0.03	0.075	O	|	|	|	|	0.13	384.000	0.00	0.02	0.065	O	|	|	|	|	0.11
378.917	0.00	0.03	0.075	O	|	|	|	|	0.13	384.083	0.00	0.02	0.065	O	|	|	|	|	0.11
379.000	0.00	0.03	0.075	O	|	|	|	|	0.13	384.167	0.00	0.02	0.064	O	|	|	|	|	0.11
379.083	0.00	0.03	0.074	O	|	|	|	|	0.13	384.250	0.00	0.02	0.064	O	|	|	|	|	0.11
379.167	0.00	0.03	0.074	O	|	|	|	|	0.13	384.333	0.00	0.02	0.064	O	|	|	|	|	0.11
379.250	0.00	0.03	0.074	O	|	|	|	|	0.13	384.417	0.00	0.02	0.064	O	|	|	|	|	0.11
379.333	0.00	0.03	0.074	O	|	|	|	|	0.13	384.500	0.00	0.02	0.064	O	|	|	|	|	0.11
379.417	0.00	0.03	0.074	O	|	|	|	|	0.13	384.583	0.00	0.02	0.064	O	|	|	|	|	0.11
379.500	0.00	0.03	0.074	O	|	|	|	|	0.13	384.667	0.00	0.02	0.064	O	|	|	|	|	0.11
379.583	0.00	0.03	0.073	O	|	|	|	|	0.13	384.750	0.00	0.02	0.063	O	|	|	|	|	0.11
379.667	0.00	0.03	0.073	O	|	|	|	|	0.13	384.833	0.00	0.02	0.063	O	|	|	|	|	0.11
379.750	0.00	0.03	0.073	O	|	|	|	|	0.13	384.917	0.00	0.02	0.063	O	|	|	|	|	0.11
379.833	0.00	0.03	0.073	O	|	|	|	|	0.13	385.000	0.00	0.02	0.063	O	|	|	|	|	0.11
379.917	0.00	0.03	0.073	O	|	|	|	|	0.13	385.083	0.00	0.02	0.063	O	|	|	|	|	0.11
380.000	0.00	0.02	0.073	O	|	|	|	|	0.12	385.167	0.00	0.02	0.063	O	|	|	|	|	0.11
380.083	0.00	0.02	0.072	O	|	|	|	|	0.12	385.250	0.00	0.02	0.062	O	|	|	|	|	0.11
380.167	0.00	0.02	0.072	O	|	|	|	|	0.12	385.333	0.00	0.02	0.062	O	|	|	|	|	0.11
380.250	0.00	0.02	0.072	O	|	|	|	|	0.12	385.417	0.00	0.02	0.062	O	|	|	|	|	0.11
380.333	0.00	0.02	0.072	O	|	|	|	|	0.12	385.500	0.00	0.02	0.062	O	|	|	|	|	0.11
380.417	0.00	0.02	0.072	O	|	|	|	|	0.12	385.583	0.00	0.02	0.062	O	|	|	|	|	0.11
380.500	0.00	0.02	0.072	O	|	|	|	|	0.12	385.667	0.00	0.02	0.062	O	|	|	|	|	0.11

385.750	0.00	0.02	0.062	O	|	|	|	|	0.11	390.917	0.00	0.02	0.053	O	|	|	|	|	0.09
385.833	0.00	0.02	0.061	O	|	|	|	|	0.11	391.000	0.00	0.02	0.053	O	|	|	|	|	0.09
385.917	0.00	0.02	0.061	O	|	|	|	|	0.11	391.083	0.00	0.02	0.053	O	|	|	|	|	0.09
386.000	0.00	0.02	0.061	O	|	|	|	|	0.11	391.167	0.00	0.02	0.053	O	|	|	|	|	0.09
386.083	0.00	0.02	0.061	O	|	|	|	|	0.11	391.250	0.00	0.02	0.053	O	|	|	|	|	0.09
386.167	0.00	0.02	0.061	O	|	|	|	|	0.10	391.333	0.00	0.02	0.053	O	|	|	|	|	0.09
386.250	0.00	0.02	0.061	O	|	|	|	|	0.10	391.417	0.00	0.02	0.052	O	|	|	|	|	0.09
386.333	0.00	0.02	0.061	O	|	|	|	|	0.10	391.500	0.00	0.02	0.052	O	|	|	|	|	0.09
386.417	0.00	0.02	0.060	O	|	|	|	|	0.10	391.583	0.00	0.02	0.052	O	|	|	|	|	0.09
386.500	0.00	0.02	0.060	O	|	|	|	|	0.10	391.667	0.00	0.02	0.052	O	|	|	|	|	0.09
386.583	0.00	0.02	0.060	O	|	|	|	|	0.10	391.750	0.00	0.02	0.052	O	|	|	|	|	0.09
386.667	0.00	0.02	0.060	O	|	|	|	|	0.10	391.833	0.00	0.02	0.052	O	|	|	|	|	0.09
386.750	0.00	0.02	0.060	O	|	|	|	|	0.10	391.917	0.00	0.02	0.052	O	|	|	|	|	0.09
386.833	0.00	0.02	0.060	O	|	|	|	|	0.10	392.000	0.00	0.02	0.052	O	|	|	|	|	0.09
386.917	0.00	0.02	0.060	O	|	|	|	|	0.10	392.083	0.00	0.02	0.051	O	|	|	|	|	0.09
387.000	0.00	0.02	0.059	O	|	|	|	|	0.10	392.167	0.00	0.02	0.051	O	|	|	|	|	0.09
387.083	0.00	0.02	0.059	O	|	|	|	|	0.10	392.250	0.00	0.02	0.051	O	|	|	|	|	0.09
387.167	0.00	0.02	0.059	O	|	|	|	|	0.10	392.333	0.00	0.02	0.051	O	|	|	|	|	0.09
387.250	0.00	0.02	0.059	O	|	|	|	|	0.10	392.417	0.00	0.02	0.051	O	|	|	|	|	0.09
387.333	0.00	0.02	0.059	O	|	|	|	|	0.10	392.500	0.00	0.02	0.051	O	|	|	|	|	0.09
387.417	0.00	0.02	0.059	O	|	|	|	|	0.10	392.583	0.00	0.02	0.051	O	|	|	|	|	0.09
387.500	0.00	0.02	0.059	O	|	|	|	|	0.10	392.667	0.00	0.02	0.051	O	|	|	|	|	0.09
387.583	0.00	0.02	0.058	O	|	|	|	|	0.10	392.750	0.00	0.02	0.050	O	|	|	|	|	0.09
387.667	0.00	0.02	0.058	O	|	|	|	|	0.10	392.833	0.00	0.02	0.050	O	|	|	|	|	0.09
387.750	0.00	0.02	0.058	O	|	|	|	|	0.10	392.917	0.00	0.02	0.050	O	|	|	|	|	0.09
387.833	0.00	0.02	0.058	O	|	|	|	|	0.10	393.000	0.00	0.02	0.050	O	|	|	|	|	0.09
387.917	0.00	0.02	0.058	O	|	|	|	|	0.10	393.083	0.00	0.02	0.050	O	|	|	|	|	0.09
388.000	0.00	0.02	0.058	O	|	|	|	|	0.10	393.167	0.00	0.02	0.050	O	|	|	|	|	0.09
388.083	0.00	0.02	0.058	O	|	|	|	|	0.10	393.250	0.00	0.02	0.050	O	|	|	|	|	0.09
388.167	0.00	0.02	0.058	O	|	|	|	|	0.10	393.333	0.00	0.02	0.050	O	|	|	|	|	0.09
388.250	0.00	0.02	0.057	O	|	|	|	|	0.10	393.417	0.00	0.02	0.050	O	|	|	|	|	0.09
388.333	0.00	0.02	0.057	O	|	|	|	|	0.10	393.500	0.00	0.02	0.049	O	|	|	|	|	0.09
388.417	0.00	0.02	0.057	O	|	|	|	|	0.10	393.583	0.00	0.02	0.049	O	|	|	|	|	0.08
388.500	0.00	0.02	0.057	O	|	|	|	|	0.10	393.667	0.00	0.02	0.049	O	|	|	|	|	0.08
388.583	0.00	0.02	0.057	O	|	|	|	|	0.10	393.750	0.00	0.02	0.049	O	|	|	|	|	0.08
388.667	0.00	0.02	0.057	O	|	|	|	|	0.10	393.833	0.00	0.02	0.049	O	|	|	|	|	0.08
388.750	0.00	0.02	0.057	O	|	|	|	|	0.10	393.917	0.00	0.02	0.049	O	|	|	|	|	0.08
388.833	0.00	0.02	0.056	O	|	|	|	|	0.10	394.000	0.00	0.02	0.049	O	|	|	|	|	0.08
388.917	0.00	0.02	0.056	O	|	|	|	|	0.10	394.083	0.00	0.02	0.049	O	|	|	|	|	0.08
389.000	0.00	0.02	0.056	O	|	|	|	|	0.10	394.167	0.00	0.02	0.048	O	|	|	|	|	0.08
389.083	0.00	0.02	0.056	O	|	|	|	|	0.10	394.250	0.00	0.02	0.048	O	|	|	|	|	0.08
389.167	0.00	0.02	0.056	O	|	|	|	|	0.10	394.333	0.00	0.02	0.048	O	|	|	|	|	0.08
389.250	0.00	0.02	0.056	O	|	|	|	|	0.10	394.417	0.00	0.02	0.048	O	|	|	|	|	0.08
389.333	0.00	0.02	0.056	O	|	|	|	|	0.10	394.500	0.00	0.02	0.048	O	|	|	|	|	0.08
389.417	0.00	0.02	0.055	O	|	|	|	|	0.10	394.583	0.00	0.02	0.048	O	|	|	|	|	0.08
389.500	0.00	0.02	0.055	O	|	|	|	|	0.10	394.667	0.00	0.02	0.048	O	|	|	|	|	0.08
389.583	0.00	0.02	0.055	O	|	|	|	|	0.10	394.750	0.00	0.02	0.048	O	|	|	|	|	0.08
389.667	0.00	0.02	0.055	O	|	|	|	|	0.09	394.833	0.00	0.02	0.048	O	|	|	|	|	0.08
389.750	0.00	0.02	0.055	O	|	|	|	|	0.09	394.917	0.00	0.02	0.047	O	|	|	|	|	0.08
389.833	0.00	0.02	0.055	O	|	|	|	|	0.09	395.000	0.00	0.02	0.047	O	|	|	|	|	0.08
389.917	0.00	0.02	0.055	O	|	|	|	|	0.09	395.083	0.00	0.02	0.047	O	|	|	|	|	0.08
390.000	0.00	0.02	0.055	O	|	|	|	|	0.09	395.167	0.00	0.02	0.047	O	|	|	|	|	0.08
390.083	0.00	0.02	0.054	O	|	|	|	|	0.09	395.250	0.00	0.02	0.047	O	|	|	|	|	0.08
390.167	0.00	0.02	0.054	O	|	|	|	|	0.09	395.333	0.00	0.02	0.047	O	|	|	|	|	0.08
390.250	0.00	0.02	0.054	O	|	|	|	|	0.09	395.417	0.00	0.02	0.047	O	|	|	|	|	0.08
390.333	0.00	0.02	0.054	O	|	|	|	|	0.09	395.500	0.00	0.02	0.047	O	|	|	|	|	0.08
390.417	0.00	0.02	0.054	O	|	|	|	|	0.09	395.583	0.00	0.02	0.047	O	|	|	|	|	0.08
390.500	0.00	0.02	0.054	O	|	|	|	|	0.09	395.667	0.00	0.02	0.046	O	|	|	|	|	0.08
390.583	0.00	0.02	0.054	O	|	|	|	|	0.09	395.750	0.00	0.02	0.046	O	|	|	|	|	0.08
390.667	0.00	0.02	0.054	O	|	|	|	|	0.09	395.833	0.00	0.02	0.046	O	|	|	|	|	0.08
390.750	0.00	0.02	0.053	O	|	|	|	|	0.09	395.917	0.00	0.02	0.046	O	|	|	|	|	0.08
390.833	0.00	0.02	0.053	O	|	|	|	|	0.09	396.000	0.00	0.02	0.046	O	|	|	|	|	0.08

396.083	0.00	0.02	0.046	O	|	|	|	|	0.08	401.250	0.00	0.01	0.040	O	|	|	|	|	0.07
396.167	0.00	0.02	0.046	O	|	|	|	|	0.08	401.333	0.00	0.01	0.040	O	|	|	|	|	0.07
396.250	0.00	0.02	0.046	O	|	|	|	|	0.08	401.417	0.00	0.01	0.039	O	|	|	|	|	0.07
396.333	0.00	0.02	0.046	O	|	|	|	|	0.08	401.500	0.00	0.01	0.039	O	|	|	|	|	0.07
396.417	0.00	0.02	0.045	O	|	|	|	|	0.08	401.583	0.00	0.01	0.039	O	|	|	|	|	0.07
396.500	0.00	0.02	0.045	O	|	|	|	|	0.08	401.667	0.00	0.01	0.039	O	|	|	|	|	0.07
396.583	0.00	0.02	0.045	O	|	|	|	|	0.08	401.750	0.00	0.01	0.039	O	|	|	|	|	0.07
396.667	0.00	0.02	0.045	O	|	|	|	|	0.08	401.833	0.00	0.01	0.039	O	|	|	|	|	0.07
396.750	0.00	0.02	0.045	O	|	|	|	|	0.08	401.917	0.00	0.01	0.039	O	|	|	|	|	0.07
396.833	0.00	0.02	0.045	O	|	|	|	|	0.08	402.000	0.00	0.01	0.039	O	|	|	|	|	0.07
396.917	0.00	0.02	0.045	O	|	|	|	|	0.08	402.083	0.00	0.01	0.039	O	|	|	|	|	0.07
397.000	0.00	0.02	0.045	O	|	|	|	|	0.08	402.167	0.00	0.01	0.039	O	|	|	|	|	0.07
397.083	0.00	0.02	0.045	O	|	|	|	|	0.08	402.250	0.00	0.01	0.039	O	|	|	|	|	0.07
397.167	0.00	0.02	0.045	O	|	|	|	|	0.08	402.333	0.00	0.01	0.038	O	|	|	|	|	0.07
397.250	0.00	0.02	0.044	O	|	|	|	|	0.08	402.417	0.00	0.01	0.038	O	|	|	|	|	0.07
397.333	0.00	0.02	0.044	O	|	|	|	|	0.08	402.500	0.00	0.01	0.038	O	|	|	|	|	0.07
397.417	0.00	0.02	0.044	O	|	|	|	|	0.08	402.583	0.00	0.01	0.038	O	|	|	|	|	0.07
397.500	0.00	0.02	0.044	O	|	|	|	|	0.08	402.667	0.00	0.01	0.038	O	|	|	|	|	0.07
397.583	0.00	0.02	0.044	O	|	|	|	|	0.08	402.750	0.00	0.01	0.038	O	|	|	|	|	0.07
397.667	0.00	0.02	0.044	O	|	|	|	|	0.08	402.833	0.00	0.01	0.038	O	|	|	|	|	0.07
397.750	0.00	0.02	0.044	O	|	|	|	|	0.08	402.917	0.00	0.01	0.038	O	|	|	|	|	0.07
397.833	0.00	0.02	0.044	O	|	|	|	|	0.08	403.000	0.00	0.01	0.038	O	|	|	|	|	0.06
397.917	0.00	0.01	0.044	O	|	|	|	|	0.07	403.083	0.00	0.01	0.038	O	|	|	|	|	0.06
398.000	0.00	0.01	0.043	O	|	|	|	|	0.07	403.167	0.00	0.01	0.038	O	|	|	|	|	0.06
398.083	0.00	0.01	0.043	O	|	|	|	|	0.07	403.250	0.00	0.01	0.037	O	|	|	|	|	0.06
398.167	0.00	0.01	0.043	O	|	|	|	|	0.07	403.333	0.00	0.01	0.037	O	|	|	|	|	0.06
398.250	0.00	0.01	0.043	O	|	|	|	|	0.07	403.417	0.00	0.01	0.037	O	|	|	|	|	0.06
398.333	0.00	0.01	0.043	O	|	|	|	|	0.07	403.500	0.00	0.01	0.037	O	|	|	|	|	0.06
398.417	0.00	0.01	0.043	O	|	|	|	|	0.07	403.583	0.00	0.01	0.037	O	|	|	|	|	0.06
398.500	0.00	0.01	0.043	O	|	|	|	|	0.07	403.667	0.00	0.01	0.037	O	|	|	|	|	0.06
398.583	0.00	0.01	0.043	O	|	|	|	|	0.07	403.750	0.00	0.01	0.037	O	|	|	|	|	0.06
398.667	0.00	0.01	0.043	O	|	|	|	|	0.07	403.833	0.00	0.01	0.037	O	|	|	|	|	0.06
398.750	0.00	0.01	0.043	O	|	|	|	|	0.07	403.917	0.00	0.01	0.037	O	|	|	|	|	0.06
398.833	0.00	0.01	0.042	O	|	|	|	|	0.07	404.000	0.00	0.01	0.037	O	|	|	|	|	0.06
398.917	0.00	0.01	0.042	O	|	|	|	|	0.07	404.083	0.00	0.01	0.037	O	|	|	|	|	0.06
399.000	0.00	0.01	0.042	O	|	|	|	|	0.07	404.167	0.00	0.01	0.036	O	|	|	|	|	0.06
399.083	0.00	0.01	0.042	O	|	|	|	|	0.07	404.250	0.00	0.01	0.036	O	|	|	|	|	0.06
399.167	0.00	0.01	0.042	O	|	|	|	|	0.07	404.333	0.00	0.01	0.036	O	|	|	|	|	0.06
399.250	0.00	0.01	0.042	O	|	|	|	|	0.07	404.417	0.00	0.01	0.036	O	|	|	|	|	0.06
399.333	0.00	0.01	0.042	O	|	|	|	|	0.07	404.500	0.00	0.01	0.036	O	|	|	|	|	0.06
399.417	0.00	0.01	0.042	O	|	|	|	|	0.07	404.583	0.00	0.01	0.036	O	|	|	|	|	0.06
399.500	0.00	0.01	0.042	O	|	|	|	|	0.07	404.667	0.00	0.01	0.036	O	|	|	|	|	0.06
399.583	0.00	0.01	0.042	O	|	|	|	|	0.07	404.750	0.00	0.01	0.036	O	|	|	|	|	0.06
399.667	0.00	0.01	0.041	O	|	|	|	|	0.07	404.833	0.00	0.01	0.036	O	|	|	|	|	0.06
399.750	0.00	0.01	0.041	O	|	|	|	|	0.07	404.917	0.00	0.01	0.036	O	|	|	|	|	0.06
399.833	0.00	0.01	0.041	O	|	|	|	|	0.07	405.000	0.00	0.01	0.036	O	|	|	|	|	0.06
399.917	0.00	0.01	0.041	O	|	|	|	|	0.07	405.083	0.00	0.01	0.036	O	|	|	|	|	0.06
400.000	0.00	0.01	0.041	O	|	|	|	|	0.07	405.167	0.00	0.01	0.035	O	|	|	|	|	0.06
400.083	0.00	0.01	0.041	O	|	|	|	|	0.07	405.250	0.00	0.01	0.035	O	|	|	|	|	0.06
400.167	0.00	0.01	0.041	O	|	|	|	|	0.07	405.333	0.00	0.01	0.035	O	|	|	|	|	0.06
400.250	0.00	0.01	0.041	O	|	|	|	|	0.07	405.417	0.00	0.01	0.035	O	|	|	|	|	0.06
400.333	0.00	0.01	0.041	O	|	|	|	|	0.07	405.500	0.00	0.01	0.035	O	|	|	|	|	0.06
400.417	0.00	0.01	0.041	O	|	|	|	|	0.07	405.583	0.00	0.01	0.035	O	|	|	|	|	0.06
400.500	0.00	0.01	0.040	O	|	|	|	|	0.07	405.667	0.00	0.01	0.035	O	|	|	|	|	0.06
400.583	0.00	0.01	0.040	O	|	|	|	|	0.07	405.750	0.00	0.01	0.035	O	|	|	|	|	0.06
400.667	0.00	0.01	0.040	O	|	|	|	|	0.07	405.833	0.00	0.01	0.035	O	|	|	|	|	0.06
400.750	0.00	0.01	0.040	O	|	|	|	|	0.07	405.917	0.00	0.01	0.035	O	|	|	|	|	0.06
400.833	0.00	0.01	0.040	O	|	|	|	|	0.07	406.000	0.00	0.01	0.035	O	|	|	|	|	0.06
400.917	0.00	0.01	0.040	O	|	|	|	|	0.07	406.083	0.00	0.01	0.035	O	|	|	|	|	0.06
401.000	0.00	0.01	0.040	O	|	|	|	|	0.07	406.167	0.00	0.01	0.034	O	|	|	|	|	0.06
401.083	0.00	0.01	0.040	O	|	|	|	|	0.07	406.250	0.00	0.01	0.034	O	|	|	|	|	0.06
401.167	0.00	0.01	0.040	O	|	|	|	|	0.07	406.333	0.00	0.01	0.034	O	|	|	|	|	0.06

406.417	0.00	0.01	0.034	O	|	|	|	|	0.06	411.583	0.00	0.01	0.030	O	|	|	|	|	0.05
406.500	0.00	0.01	0.034	O	|	|	|	|	0.06	411.667	0.00	0.01	0.029	O	|	|	|	|	0.05
406.583	0.00	0.01	0.034	O	|	|	|	|	0.06	411.750	0.00	0.01	0.029	O	|	|	|	|	0.05
406.667	0.00	0.01	0.034	O	|	|	|	|	0.06	411.833	0.00	0.01	0.029	O	|	|	|	|	0.05
406.750	0.00	0.01	0.034	O	|	|	|	|	0.06	411.917	0.00	0.01	0.029	O	|	|	|	|	0.05
406.833	0.00	0.01	0.034	O	|	|	|	|	0.06	412.000	0.00	0.01	0.029	O	|	|	|	|	0.05
406.917	0.00	0.01	0.034	O	|	|	|	|	0.06	412.083	0.00	0.01	0.029	O	|	|	|	|	0.05
407.000	0.00	0.01	0.034	O	|	|	|	|	0.06	412.167	0.00	0.01	0.029	O	|	|	|	|	0.05
407.083	0.00	0.01	0.034	O	|	|	|	|	0.06	412.250	0.00	0.01	0.029	O	|	|	|	|	0.05
407.167	0.00	0.01	0.033	O	|	|	|	|	0.06	412.333	0.00	0.01	0.029	O	|	|	|	|	0.05
407.250	0.00	0.01	0.033	O	|	|	|	|	0.06	412.417	0.00	0.01	0.029	O	|	|	|	|	0.05
407.333	0.00	0.01	0.033	O	|	|	|	|	0.06	412.500	0.00	0.01	0.029	O	|	|	|	|	0.05
407.417	0.00	0.01	0.033	O	|	|	|	|	0.06	412.583	0.00	0.01	0.029	O	|	|	|	|	0.05
407.500	0.00	0.01	0.033	O	|	|	|	|	0.06	412.667	0.00	0.01	0.029	O	|	|	|	|	0.05
407.583	0.00	0.01	0.033	O	|	|	|	|	0.06	412.750	0.00	0.01	0.029	O	|	|	|	|	0.05
407.667	0.00	0.01	0.033	O	|	|	|	|	0.06	412.833	0.00	0.01	0.029	O	|	|	|	|	0.05
407.750	0.00	0.01	0.033	O	|	|	|	|	0.06	412.917	0.00	0.01	0.028	O	|	|	|	|	0.05
407.833	0.00	0.01	0.033	O	|	|	|	|	0.06	413.000	0.00	0.01	0.028	O	|	|	|	|	0.05
407.917	0.00	0.01	0.033	O	|	|	|	|	0.06	413.083	0.00	0.01	0.028	O	|	|	|	|	0.05
408.000	0.00	0.01	0.033	O	|	|	|	|	0.06	413.167	0.00	0.01	0.028	O	|	|	|	|	0.05
408.083	0.00	0.01	0.033	O	|	|	|	|	0.06	413.250	0.00	0.01	0.028	O	|	|	|	|	0.05
408.167	0.00	0.01	0.033	O	|	|	|	|	0.06	413.333	0.00	0.01	0.028	O	|	|	|	|	0.05
408.250	0.00	0.01	0.032	O	|	|	|	|	0.06	413.417	0.00	0.01	0.028	O	|	|	|	|	0.05
408.333	0.00	0.01	0.032	O	|	|	|	|	0.06	413.500	0.00	0.01	0.028	O	|	|	|	|	0.05
408.417	0.00	0.01	0.032	O	|	|	|	|	0.06	413.583	0.00	0.01	0.028	O	|	|	|	|	0.05
408.500	0.00	0.01	0.032	O	|	|	|	|	0.06	413.667	0.00	0.01	0.028	O	|	|	|	|	0.05
408.583	0.00	0.01	0.032	O	|	|	|	|	0.06	413.750	0.00	0.01	0.028	O	|	|	|	|	0.05
408.667	0.00	0.01	0.032	O	|	|	|	|	0.06	413.833	0.00	0.01	0.028	O	|	|	|	|	0.05
408.750	0.00	0.01	0.032	O	|	|	|	|	0.06	413.917	0.00	0.01	0.028	O	|	|	|	|	0.05
408.833	0.00	0.01	0.032	O	|	|	|	|	0.05	414.000	0.00	0.01	0.028	O	|	|	|	|	0.05
408.917	0.00	0.01	0.032	O	|	|	|	|	0.05	414.083	0.00	0.01	0.028	O	|	|	|	|	0.05
409.000	0.00	0.01	0.032	O	|	|	|	|	0.05	414.167	0.00	0.01	0.027	O	|	|	|	|	0.05
409.083	0.00	0.01	0.032	O	|	|	|	|	0.05	414.250	0.00	0.01	0.027	O	|	|	|	|	0.05
409.167	0.00	0.01	0.032	O	|	|	|	|	0.05	414.333	0.00	0.01	0.027	O	|	|	|	|	0.05
409.250	0.00	0.01	0.032	O	|	|	|	|	0.05	414.417	0.00	0.01	0.027	O	|	|	|	|	0.05
409.333	0.00	0.01	0.031	O	|	|	|	|	0.05	414.500	0.00	0.01	0.027	O	|	|	|	|	0.05
409.417	0.00	0.01	0.031	O	|	|	|	|	0.05	414.583	0.00	0.01	0.027	O	|	|	|	|	0.05
409.500	0.00	0.01	0.031	O	|	|	|	|	0.05	414.667	0.00	0.01	0.027	O	|	|	|	|	0.05
409.583	0.00	0.01	0.031	O	|	|	|	|	0.05	414.750	0.00	0.01	0.027	O	|	|	|	|	0.05
409.667	0.00	0.01	0.031	O	|	|	|	|	0.05	414.833	0.00	0.01	0.027	O	|	|	|	|	0.05
409.750	0.00	0.01	0.031	O	|	|	|	|	0.05	414.917	0.00	0.01	0.027	O	|	|	|	|	0.05
409.833	0.00	0.01	0.031	O	|	|	|	|	0.05	415.000	0.00	0.01	0.027	O	|	|	|	|	0.05
409.917	0.00	0.01	0.031	O	|	|	|	|	0.05	415.083	0.00	0.01	0.027	O	|	|	|	|	0.05
410.000	0.00	0.01	0.031	O	|	|	|	|	0.05	415.167	0.00	0.01	0.027	O	|	|	|	|	0.05
410.083	0.00	0.01	0.031	O	|	|	|	|	0.05	415.250	0.00	0.01	0.027	O	|	|	|	|	0.05
410.167	0.00	0.01	0.031	O	|	|	|	|	0.05	415.333	0.00	0.01	0.027	O	|	|	|	|	0.05
410.250	0.00	0.01	0.031	O	|	|	|	|	0.05	415.417	0.00	0.01	0.026	O	|	|	|	|	0.05
410.333	0.00	0.01	0.031	O	|	|	|	|	0.05	415.500	0.00	0.01	0.026	O	|	|	|	|	0.05
410.417	0.00	0.01	0.031	O	|	|	|	|	0.05	415.583	0.00	0.01	0.026	O	|	|	|	|	0.05
410.500	0.00	0.01	0.030	O	|	|	|	|	0.05	415.667	0.00	0.01	0.026	O	|	|	|	|	0.05
410.583	0.00	0.01	0.030	O	|	|	|	|	0.05	415.750	0.00	0.01	0.026	O	|	|	|	|	0.05
410.667	0.00	0.01	0.030	O	|	|	|	|	0.05	415.833	0.00	0.01	0.026	O	|	|	|	|	0.05
410.750	0.00	0.01	0.030	O	|	|	|	|	0.05	415.917	0.00	0.01	0.026	O	|	|	|	|	0.04
410.833	0.00	0.01	0.030	O	|	|	|	|	0.05	416.000	0.00	0.01	0.026	O	|	|	|	|	0.04
410.917	0.00	0.01	0.030	O	|	|	|	|	0.05	416.083	0.00	0.01	0.026	O	|	|	|	|	0.04
411.000	0.00	0.01	0.030	O	|	|	|	|	0.05	416.167	0.00	0.01	0.026	O	|	|	|	|	0.04
411.083	0.00	0.01	0.030	O	|	|	|	|	0.05	416.250	0.00	0.01	0.026	O	|	|	|	|	0.04
411.167	0.00	0.01	0.030	O	|	|	|	|	0.05	416.333	0.00	0.01	0.026	O	|	|	|	|	0.04
411.250	0.00	0.01	0.030	O	|	|	|	|	0.05	416.417	0.00	0.01	0.026	O	|	|	|	|	0.04
411.333	0.00	0.01	0.030	O	|	|	|	|	0.05	416.500	0.00	0.01	0.026	O	|	|	|	|	0.04
411.417	0.00	0.01	0.030	O	|	|	|	|	0.05	416.583	0.00	0.01	0.026	O	|	|	|	|	0.04
411.500	0.00	0.01	0.030	O	|	|	|	|	0.05	416.667	0.00	0.01	0.026	O	|	|	|	|	0.04

Remaining water in basin = 0.03 (Ac.Ft)

**********HYDROGRAPH DATA**********
Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 27.627 (CFS)
Total volume = 18.421 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Process from Point/Station 4.100 to Point/Station 4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 1 with
a starting time of 0.00 hours and ending time of 6.00 hours
With a total volume of 1.41(Ac.Ft)
**********HYDROGRAPH DATA**********
Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	27.627	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	1.408	0.000	0.000	0.000	0.000

Process from Point/Station 4.100 to Point/Station 4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
Current stream hydrograph deleted by user.
**********HYDROGRAPH DATA**********
Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	27.627	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	1.408	0.000	0.000	0.000	0.000

Process from Point/Station 4.290 to Point/Station 4.200

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
********** HYDROGRAPH INFORMATION **********
From study/file name: MESAP4E1006100.rte
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h
Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	42.6	85.2	127.8	170.4
0+ 5	3.1679	3.17	Q				
0+10	11.2677	11.27	Q				
0+15	15.1621	15.16	Q				
0+20	16.2045	16.20	Q				
0+25	16.4862	16.49	Q				
0+30	17.4815	17.48	Q				
0+35	19.5376	19.54	Q				
0+40	20.0629	20.06	Q				
0+45	20.2093	20.21	Q				
0+50	20.2476	20.25	Q				
0+55	20.2646	20.26	Q				
1+ 0	21.1614	21.16	Q				
1+ 5	23.2005	23.20	Q				
1+10	23.7257	23.73	Q				
1+15	23.8721	23.87	Q				
1+20	23.9104	23.91	Q				
1+25	23.9274	23.93	Q				
1+30	23.9274	23.93	Q				
1+35	23.9274	23.93	Q				
1+40	23.9274	23.93	Q				
1+45	23.9274	23.93	Q				
1+50	23.9274	23.93	Q				
1+55	23.9274	23.93	Q				
2+ 0	24.8242	24.82	Q				
2+ 5	25.9665	25.97	Q				
2+10	25.3494	25.35	Q				
2+15	27.0097	27.01	Q				
2+20	27.4268	27.43	Q				
2+25	27.5520	27.55	Q				
2+30	27.5732	27.57	Q				
2+35	27.5903	27.59	Q				
2+40	27.5903	27.59	Q				
2+45	28.4870	28.49	Q				
2+50	30.5261	30.53	Q				
2+55	31.0513	31.05	Q				
3+ 0	31.1977	31.20	Q				
3+ 5	31.2360	31.24	Q				
3+10	32.1498	32.15	Q				
3+15	34.1889	34.19	Q				
3+20	34.7141	34.71	Q				
3+25	35.7573	35.76	Q				
3+30	38.7314	38.73	Q				
3+35	42.2095	42.21	Q				
3+40	44.9202	44.92	Q				
3+45	46.5269	46.53	Q				
3+50	48.7677	48.77	Q				
3+55	50.2451	50.25	Q				
4+ 0	52.4476	52.45	Q				

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 4+ 5      53.9079     53.91  |          | Q        |          |          |
 4+10      57.0072     57.01  |          |  Q       |          |          |
 4+15      60.5066     60.51  |          |   Q      |          |          |
 4+20      64.1311     64.13  |          |    Q     |          |          |
 4+25      67.7768     67.78  |          |    Q     |          |          |
 4+30      70.5429     70.54  |          |     Q    |          |          |
 4+35      72.1666     72.17  |          |     Q    |          |          |
 4+40      75.3042     75.30  |          |      Q   |          |          |
 4+45      78.8206     78.82  |          |       Q  |          |          |
 4+50      81.5484     81.55  |          |        Q |          |          |
 4+55      83.1551     83.16  |          |        Q |          |          |
 5+ 0      86.2927     86.29  |          |         Q|          |          |
 5+ 5      93.3962     93.40  |          |          |Q         |          |
 5+10     108.7640    108.76  |          |          |    Q     |          |
 5+15     124.4604    124.46  |          |          |        Q |          |
 5+20     136.6814    136.68  |          |          |          | Q        |
 5+25     149.7986    149.80  |          |          |          |    Q     |
 5+30     170.3565    170.36  |          |          |          |          Q
 5+35     158.7932    158.79  |          |          |          |       Q  |
 5+40      80.0052     80.01  |          |       Q  |          |          |
 5+45      39.0514     39.05  |        Q |          |          |          |
 5+50      21.7983     21.80  |    Q     |          |          |          |
 5+55      14.1448     14.14  |  Q       |          |          |          |
 6+ 0       8.5650      8.57  | Q        |          |          |          |
 6+ 5       4.7204      4.72  |Q         |          |          |          |
 6+10       1.2405      1.24  Q          |          |          |          |
 6+15       0.3416      0.34  Q          |          |          |          |
 6+20       0.0882      0.09  Q          |          |          |          |
 6+25       0.0236      0.02  Q          |          |          |          |
---------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    77
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      170.357 (CFS)
                    Total volume =      22.596 (Ac.Ft)
             Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)     27.627     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)      1.408     0.000     0.000     0.000     0.000
      ***********************************************************************


      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.290 to Point/Station        4.300
      **** RETARDING BASIN ROUTING ****
      _____________________________________________________________________

      User entry of depth-outflow-storage data
      ---------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 77
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
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Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.417	0.240	0.416	0.418
3.000	1.419	0.430	1.418	1.420
4.000	2.011	0.500	2.009	2.013
5.000	2.665	0.560	2.663	2.667
6.000	3.385	0.620	3.383	3.387
7.000	4.171	0.670	4.169	4.173
8.000	5.028	0.710	5.026	5.030
9.000	5.957	0.760	5.954	5.960
10.000	6.960	0.840	6.957	6.963
11.000	8.035	0.880	8.032	8.038
12.000	9.190	0.910	9.187	9.193
13.000	10.436	0.950	10.433	10.439
14.000	11.771	0.980	11.768	11.774
15.000	13.198	1.010	13.195	13.201
16.000	14.721	1.050	14.717	14.725
17.000	16.342	17.120	16.283	16.401
18.000	18.060	28.890	17.961	18.159
19.000	19.879	75.840	19.618	20.140
20.000	21.805	153.440	21.277	22.333

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	42.6	85.18	127.77	170.36	Depth (Ft.)
0.083	3.17	0.01	0.011	O	|	|	|	|	0.03
0.167	11.27	0.03	0.060	O I	|	|	|	|	0.14
0.250	15.16	0.09	0.151	O I	|	|	|	|	0.36
0.333	16.20	0.15	0.258	O I	|	|	|	|	0.62
0.417	16.49	0.21	0.370	O I	|	|	|	|	0.89
0.500	17.48	0.25	0.485	O I	|	|	|	|	1.14
0.583	19.54	0.28	0.611	O I	|	|	|	|	1.39
0.667	20.06	0.30	0.745	O I	|	|	|	|	1.65
0.750	20.21	0.33	0.881	O I	|	|	|	|	1.93
0.833	20.25	0.35	1.018	O I	|	|	|	|	2.20
0.917	20.26	0.38	1.155	O I	|	|	|	|	2.47
1.000	21.16	0.41	1.295	O I	|	|	|	|	2.75
1.083	23.20	0.43	1.445	O I	|	|	|	|	3.04
1.167	23.73	0.45	1.604	O I	|	|	|	|	3.31
1.250	23.87	0.47	1.764	O I	|	|	|	|	3.58
1.333	23.91	0.49	1.926	O I	|	|	|	|	3.86
1.417	23.93	0.51	2.087	O I	|	|	|	|	4.12
1.500	23.93	0.52	2.248	O I	|	|	|	|	4.36
1.583	23.93	0.54	2.409	O I	|	|	|	|	4.61
1.667	23.93	0.55	2.570	O I	|	|	|	|	4.86
1.750	23.93	0.57	2.731	O I	|	|	|	|	5.09
1.833	23.93	0.58	2.892	O I	|	|	|	|	5.32
1.917	23.93	0.59	3.053	O I	|	|	|	|	5.54
2.000	24.82	0.61	3.217	O I	|	|	|	|	5.77
2.083	25.97	0.62	3.387	O I	|	|	|	|	6.00
2.167	25.35	0.63	3.560	O I	|	|	|	|	6.22
2.250	27.01	0.64	3.736	O I	|	|	|	|	6.45
2.333	27.43	0.65	3.919	O I	|	|	|	|	6.68
2.417	27.55	0.67	4.104	O I	|	|	|	|	6.91
2.500	27.57	0.68	4.289	O I	|	|	|	|	7.14
2.583	27.59	0.68	4.474	O I	|	|	|	|	7.35

2.667	27.59	0.69	4.659	O	I				7.57	7.833	0.00	10.20	15.644	IO					16.57
2.750	28.49	0.70	4.848	O	I				7.79	7.917	0.00	9.53	15.576	IO					16.53
2.833	30.53	0.71	5.046	O	I				8.02	8.000	0.00	8.90	15.513	IO					16.49
2.917	31.05	0.72	5.253	O	I				8.24	8.083	0.00	8.31	15.454	IO					16.45
3.000	31.20	0.73	5.462	O	I				8.47	8.167	0.00	7.76	15.398	IO					16.42
3.083	31.24	0.74	5.672	O	I				8.69	8.250	0.00	7.25	15.347	IO					16.39
3.167	32.15	0.76	5.885	O	I				8.92	8.333	0.00	6.77	15.298	IO					16.36
3.250	34.19	0.77	6.109	O	I				9.15	8.417	0.00	6.33	15.253	IO					16.33
3.333	34.71	0.79	6.340	O	I				9.38	8.500	0.00	5.91	15.211	IO					16.30
3.417	35.76	0.81	6.578	O	I				9.62	8.583	0.00	5.52	15.172	IO					16.28
3.500	38.73	0.83	6.828	O	I				9.87	8.667	0.00	5.15	15.135	O					16.26
3.583	42.21	0.85	7.101	O	I				10.13	8.750	0.00	4.81	15.101	O					16.23
3.667	44.92	0.86	7.396	O	I				10.41	8.833	0.00	4.50	15.069	O					16.21
3.750	46.53	0.87	7.705	O	I				10.69	8.917	0.00	4.20	15.039	O					16.20
3.833	48.77	0.88	8.027	O	I				10.99	9.000	0.00	3.92	15.011	O					16.18
3.917	50.25	0.89	8.362	O	I				11.28	9.083	0.00	3.66	14.985	O					16.16
4.000	52.45	0.90	8.709	O	I				11.58	9.167	0.00	3.42	14.960	O					16.15
4.083	53.91	0.91	9.069	O	I				11.90	9.250	0.00	3.20	14.937	O					16.13
4.167	57.01	0.92	9.445	O	I				12.20	9.333	0.00	2.98	14.916	O					16.12
4.250	60.51	0.93	9.843	O	I				12.52	9.417	0.00	2.79	14.896	O					16.11
4.333	64.13	0.94	10.266	O	I				12.86	9.500	0.00	2.60	14.878	O					16.10
4.417	67.78	0.96	10.713	O	I				13.21	9.583	0.00	2.43	14.860	O					16.09
4.500	70.54	0.97	11.183	O	I				13.56	9.667	0.00	2.27	14.844	O					16.08
4.583	72.17	0.98	11.668	O	I				13.92	9.750	0.00	2.12	14.829	O					16.07
4.667	75.30	0.99	12.169	O	I				14.28	9.833	0.00	1.98	14.815	O					16.06
4.750	78.82	1.00	12.693	O	I				14.65	9.917	0.00	1.85	14.802	O					16.05
4.833	81.55	1.01	13.238	O	I				15.03	10.000	0.00	1.73	14.789	O					16.04
4.917	83.16	1.03	13.798	O	I				15.39	10.083	0.00	1.61	14.778	O					16.04
5.000	86.29	1.04	14.375	O	I				15.77	10.167	0.00	1.51	14.767	O					16.03
5.083	93.40	3.59	14.977	O	I				16.16	10.250	0.00	1.41	14.757	O					16.02
5.167	108.76	10.03	15.627	O	I				16.56	10.333	0.00	1.31	14.748	O					16.02
5.250	124.46	17.07	16.336	O	I				17.00	10.417	0.00	1.23	14.739	O					16.01
5.333	136.68	22.31	17.100	O	I				17.44	10.500	0.00	1.15	14.731	O					16.01
5.417	149.80	27.89	17.914	O	I				17.91	10.583	0.00	1.07	14.723	O					16.00
5.500	170.36	46.92	18.759	O	I				18.38	10.667	0.00	1.05	14.716	O					16.00
5.583	158.79	66.13	19.503	O	I				18.79	10.750	0.00	1.05	14.709	O					15.99
5.667	80.01	74.83	19.840	O	I				18.98	10.833	0.00	1.05	14.701	O					15.99
5.750	39.05	72.33	19.743	O	I				18.93	10.917	0.00	1.05	14.694	O					15.98
5.833	21.80	65.49	19.478	O	I				18.78	11.000	0.00	1.05	14.687	O					15.98
5.917	14.14	57.73	19.177	O	I				18.61	11.083	0.00	1.05	14.680	O					15.97
6.000	8.57	50.16	18.884	O	I				18.45	11.167	0.00	1.05	14.672	O					15.97
6.083	4.72	43.06	18.609	O	I				18.30	11.250	0.00	1.05	14.665	O					15.96
6.167	1.24	36.51	18.355	O	I				18.16	11.333	0.00	1.05	14.658	O					15.96
6.250	0.34	30.68	18.129	O	I				18.04	11.417	0.00	1.05	14.651	O					15.95
6.333	0.09	27.99	17.929	O	I				17.92	11.500	0.00	1.05	14.644	O					15.95
6.417	0.02	26.70	17.741	O	I				17.81	11.583	0.00	1.05	14.636	O					15.94
6.500	0.00	25.47	17.561	O	I				17.71	11.667	0.00	1.05	14.629	O					15.94
6.583	0.00	24.30	17.390	O	I				17.61	11.750	0.00	1.05	14.622	O					15.93
6.667	0.00	23.18	17.226	O	I				17.51	11.833	0.00	1.05	14.615	O					15.93
6.750	0.00	22.11	17.070	O	I				17.42	11.917	0.00	1.05	14.608	O					15.93
6.833	0.00	21.09	16.922	O	I				17.34	12.000	0.00	1.05	14.600	O					15.92
6.917	0.00	20.12	16.780	O	I				17.25	12.083	0.00	1.05	14.593	O					15.92
7.000	0.00	19.19	16.644	O	I				17.18	12.167	0.00	1.05	14.586	O					15.91
7.083	0.00	18.31	16.515	O	I				17.10	12.250	0.00	1.05	14.579	O					15.91
7.167	0.00	17.46	16.392	O	I				17.03	12.333	0.00	1.05	14.571	O					15.90
7.250	0.00	16.46	16.275	O	I				16.96	12.417	0.00	1.05	14.564	O					15.90
7.333	0.00	15.37	16.166	O	I				16.89	12.500	0.00	1.05	14.557	O					15.89
7.417	0.00	14.36	16.063	O	I				16.83	12.583	0.00	1.05	14.550	O					15.89
7.500	0.00	13.41	15.968	O	I				16.77	12.667	0.00	1.05	14.543	O					15.88
7.583	0.00	12.52	15.878	O	I				16.71	12.750	0.00	1.05	14.535	O					15.88
7.667	0.00	11.70	15.795	O	I				16.66	12.833	0.00	1.04	14.528	O					15.87
7.750	0.00	10.92	15.717	O	I				16.61	12.917	0.00	1.04	14.521	O					15.87

13.000	0.00	1.04	14.514	O	|	|	|	|	15.86	18.167	0.00	1.03	14.070	O	|	|	|	|	15.57
13.083	0.00	1.04	14.507	O	|	|	|	|	15.86	18.250	0.00	1.03	14.063	O	|	|	|	|	15.57
13.167	0.00	1.04	14.500	O	|	|	|	|	15.85	18.333	0.00	1.03	14.056	O	|	|	|	|	15.56
13.250	0.00	1.04	14.492	O	|	|	|	|	15.85	18.417	0.00	1.03	14.049	O	|	|	|	|	15.56
13.333	0.00	1.04	14.485	O	|	|	|	|	15.85	18.500	0.00	1.03	14.042	O	|	|	|	|	15.55
13.417	0.00	1.04	14.478	O	|	|	|	|	15.84	18.583	0.00	1.03	14.035	O	|	|	|	|	15.55
13.500	0.00	1.04	14.471	O	|	|	|	|	15.84	18.667	0.00	1.03	14.028	O	|	|	|	|	15.54
13.583	0.00	1.04	14.464	O	|	|	|	|	15.83	18.750	0.00	1.03	14.021	O	|	|	|	|	15.54
13.667	0.00	1.04	14.456	O	|	|	|	|	15.83	18.833	0.00	1.03	14.013	O	|	|	|	|	15.54
13.750	0.00	1.04	14.449	O	|	|	|	|	15.82	18.917	0.00	1.03	14.006	O	|	|	|	|	15.53
13.833	0.00	1.04	14.442	O	|	|	|	|	15.82	19.000	0.00	1.03	13.999	O	|	|	|	|	15.53
13.917	0.00	1.04	14.435	O	|	|	|	|	15.81	19.083	0.00	1.03	13.992	O	|	|	|	|	15.52
14.000	0.00	1.04	14.428	O	|	|	|	|	15.81	19.167	0.00	1.03	13.985	O	|	|	|	|	15.52
14.083	0.00	1.04	14.420	O	|	|	|	|	15.80	19.250	0.00	1.03	13.978	O	|	|	|	|	15.51
14.167	0.00	1.04	14.413	O	|	|	|	|	15.80	19.333	0.00	1.03	13.971	O	|	|	|	|	15.51
14.250	0.00	1.04	14.406	O	|	|	|	|	15.79	19.417	0.00	1.03	13.964	O	|	|	|	|	15.50
14.333	0.00	1.04	14.399	O	|	|	|	|	15.79	19.500	0.00	1.03	13.957	O	|	|	|	|	15.50
14.417	0.00	1.04	14.392	O	|	|	|	|	15.78	19.583	0.00	1.03	13.950	O	|	|	|	|	15.49
14.500	0.00	1.04	14.385	O	|	|	|	|	15.78	19.667	0.00	1.03	13.943	O	|	|	|	|	15.49
14.583	0.00	1.04	14.377	O	|	|	|	|	15.77	19.750	0.00	1.03	13.935	O	|	|	|	|	15.48
14.667	0.00	1.04	14.370	O	|	|	|	|	15.77	19.833	0.00	1.03	13.928	O	|	|	|	|	15.48
14.750	0.00	1.04	14.363	O	|	|	|	|	15.77	19.917	0.00	1.03	13.921	O	|	|	|	|	15.47
14.833	0.00	1.04	14.356	O	|	|	|	|	15.76	20.000	0.00	1.03	13.914	O	|	|	|	|	15.47
14.917	0.00	1.04	14.349	O	|	|	|	|	15.76	20.083	0.00	1.03	13.907	O	|	|	|	|	15.47
15.000	0.00	1.04	14.342	O	|	|	|	|	15.75	20.167	0.00	1.03	13.900	O	|	|	|	|	15.46
15.083	0.00	1.04	14.334	O	|	|	|	|	15.75	20.250	0.00	1.03	13.893	O	|	|	|	|	15.46
15.167	0.00	1.04	14.327	O	|	|	|	|	15.74	20.333	0.00	1.03	13.886	O	|	|	|	|	15.45
15.250	0.00	1.04	14.320	O	|	|	|	|	15.74	20.417	0.00	1.03	13.879	O	|	|	|	|	15.45
15.333	0.00	1.04	14.313	O	|	|	|	|	15.73	20.500	0.00	1.03	13.872	O	|	|	|	|	15.44
15.417	0.00	1.04	14.306	O	|	|	|	|	15.73	20.583	0.00	1.03	13.865	O	|	|	|	|	15.44
15.500	0.00	1.04	14.299	O	|	|	|	|	15.72	20.667	0.00	1.03	13.858	O	|	|	|	|	15.43
15.583	0.00	1.04	14.292	O	|	|	|	|	15.72	20.750	0.00	1.03	13.850	O	|	|	|	|	15.43
15.667	0.00	1.04	14.284	O	|	|	|	|	15.71	20.833	0.00	1.03	13.843	O	|	|	|	|	15.42
15.750	0.00	1.04	14.277	O	|	|	|	|	15.71	20.917	0.00	1.03	13.836	O	|	|	|	|	15.42
15.833	0.00	1.04	14.270	O	|	|	|	|	15.70	21.000	0.00	1.03	13.829	O	|	|	|	|	15.41
15.917	0.00	1.04	14.263	O	|	|	|	|	15.70	21.083	0.00	1.03	13.822	O	|	|	|	|	15.41
16.000	0.00	1.04	14.256	O	|	|	|	|	15.69	21.167	0.00	1.03	13.815	O	|	|	|	|	15.41
16.083	0.00	1.04	14.249	O	|	|	|	|	15.69	21.250	0.00	1.03	13.808	O	|	|	|	|	15.40
16.167	0.00	1.04	14.241	O	|	|	|	|	15.69	21.333	0.00	1.03	13.801	O	|	|	|	|	15.40
16.250	0.00	1.04	14.234	O	|	|	|	|	15.68	21.417	0.00	1.03	13.794	O	|	|	|	|	15.39
16.333	0.00	1.04	14.227	O	|	|	|	|	15.68	21.500	0.00	1.03	13.787	O	|	|	|	|	15.39
16.417	0.00	1.04	14.220	O	|	|	|	|	15.67	21.583	0.00	1.03	13.780	O	|	|	|	|	15.38
16.500	0.00	1.04	14.213	O	|	|	|	|	15.67	21.667	0.00	1.03	13.773	O	|	|	|	|	15.38
16.583	0.00	1.04	14.206	O	|	|	|	|	15.66	21.750	0.00	1.02	13.766	O	|	|	|	|	15.37
16.667	0.00	1.04	14.199	O	|	|	|	|	15.66	21.833	0.00	1.02	13.759	O	|	|	|	|	15.37
16.750	0.00	1.04	14.191	O	|	|	|	|	15.65	21.917	0.00	1.02	13.752	O	|	|	|	|	15.36
16.833	0.00	1.04	14.184	O	|	|	|	|	15.65	22.000	0.00	1.02	13.744	O	|	|	|	|	15.36
16.917	0.00	1.04	14.177	O	|	|	|	|	15.64	22.083	0.00	1.02	13.737	O	|	|	|	|	15.35
17.000	0.00	1.04	14.170	O	|	|	|	|	15.64	22.167	0.00	1.02	13.730	O	|	|	|	|	15.35
17.083	0.00	1.04	14.163	O	|	|	|	|	15.63	22.250	0.00	1.02	13.723	O	|	|	|	|	15.34
17.167	0.00	1.04	14.156	O	|	|	|	|	15.63	22.333	0.00	1.02	13.716	O	|	|	|	|	15.34
17.250	0.00	1.03	14.149	O	|	|	|	|	15.62	22.417	0.00	1.02	13.709	O	|	|	|	|	15.34
17.333	0.00	1.03	14.142	O	|	|	|	|	15.62	22.500	0.00	1.02	13.702	O	|	|	|	|	15.33
17.417	0.00	1.03	14.134	O	|	|	|	|	15.61	22.583	0.00	1.02	13.695	O	|	|	|	|	15.33
17.500	0.00	1.03	14.127	O	|	|	|	|	15.61	22.667	0.00	1.02	13.688	O	|	|	|	|	15.32
17.583	0.00	1.03	14.120	O	|	|	|	|	15.61	22.750	0.00	1.02	13.681	O	|	|	|	|	15.32
17.667	0.00	1.03	14.113	O	|	|	|	|	15.60	22.833	0.00	1.02	13.674	O	|	|	|	|	15.31
17.750	0.00	1.03	14.106	O	|	|	|	|	15.60	22.917	0.00	1.02	13.667	O	|	|	|	|	15.31
17.833	0.00	1.03	14.099	O	|	|	|	|	15.59	23.000	0.00	1.02	13.660	O	|	|	|	|	15.30
17.917	0.00	1.03	14.092	O	|	|	|	|	15.59	23.083	0.00	1.02	13.653	O	|	|	|	|	15.30
18.000	0.00	1.03	14.085	O	|	|	|	|	15.58	23.167	0.00	1.02	13.646	O	|	|	|	|	15.29
18.083	0.00	1.03	14.077	O	|	|	|	|	15.58	23.250	0.00	1.02	13.639	O	|	|	|	|	15.29

23.333	0.00	1.02	13.632	O	|	|	|	|	15.28	28.500	0.00	1.01	13.198	O	|	|	|	|	15.00
23.417	0.00	1.02	13.625	O	|	|	|	|	15.28	28.583	0.00	1.01	13.191	O	|	|	|	|	15.00
23.500	0.00	1.02	13.618	O	|	|	|	|	15.28	28.667	0.00	1.01	13.184	O	|	|	|	|	14.99
23.583	0.00	1.02	13.611	O	|	|	|	|	15.27	28.750	0.00	1.01	13.177	O	|	|	|	|	14.99
23.667	0.00	1.02	13.604	O	|	|	|	|	15.27	28.833	0.00	1.01	13.170	O	|	|	|	|	14.98
23.750	0.00	1.02	13.597	O	|	|	|	|	15.26	28.917	0.00	1.01	13.163	O	|	|	|	|	14.98
23.833	0.00	1.02	13.590	O	|	|	|	|	15.26	29.000	0.00	1.01	13.156	O	|	|	|	|	14.97
23.917	0.00	1.02	13.583	O	|	|	|	|	15.25	29.083	0.00	1.01	13.149	O	|	|	|	|	14.97
24.000	0.00	1.02	13.576	O	|	|	|	|	15.25	29.167	0.00	1.01	13.142	O	|	|	|	|	14.96
24.083	0.00	1.02	13.569	O	|	|	|	|	15.24	29.250	0.00	1.01	13.136	O	|	|	|	|	14.96
24.167	0.00	1.02	13.561	O	|	|	|	|	15.24	29.333	0.00	1.01	13.129	O	|	|	|	|	14.95
24.250	0.00	1.02	13.554	O	|	|	|	|	15.23	29.417	0.00	1.01	13.122	O	|	|	|	|	14.95
24.333	0.00	1.02	13.547	O	|	|	|	|	15.23	29.500	0.00	1.01	13.115	O	|	|	|	|	14.94
24.417	0.00	1.02	13.540	O	|	|	|	|	15.22	29.583	0.00	1.01	13.108	O	|	|	|	|	14.94
24.500	0.00	1.02	13.533	O	|	|	|	|	15.22	29.667	0.00	1.01	13.101	O	|	|	|	|	14.93
24.583	0.00	1.02	13.526	O	|	|	|	|	15.22	29.750	0.00	1.01	13.094	O	|	|	|	|	14.93
24.667	0.00	1.02	13.519	O	|	|	|	|	15.21	29.833	0.00	1.01	13.087	O	|	|	|	|	14.92
24.750	0.00	1.02	13.512	O	|	|	|	|	15.21	29.917	0.00	1.01	13.080	O	|	|	|	|	14.92
24.833	0.00	1.02	13.505	O	|	|	|	|	15.20	30.000	0.00	1.01	13.073	O	|	|	|	|	14.91
24.917	0.00	1.02	13.498	O	|	|	|	|	15.20	30.083	0.00	1.01	13.066	O	|	|	|	|	14.91
25.000	0.00	1.02	13.491	O	|	|	|	|	15.19	30.167	0.00	1.01	13.059	O	|	|	|	|	14.90
25.083	0.00	1.02	13.484	O	|	|	|	|	15.19	30.250	0.00	1.01	13.052	O	|	|	|	|	14.90
25.167	0.00	1.02	13.477	O	|	|	|	|	15.18	30.333	0.00	1.01	13.045	O	|	|	|	|	14.89
25.250	0.00	1.02	13.470	O	|	|	|	|	15.18	30.417	0.00	1.01	13.038	O	|	|	|	|	14.89
25.333	0.00	1.02	13.463	O	|	|	|	|	15.17	30.500	0.00	1.01	13.031	O	|	|	|	|	14.88
25.417	0.00	1.02	13.456	O	|	|	|	|	15.17	30.583	0.00	1.01	13.024	O	|	|	|	|	14.88
25.500	0.00	1.02	13.449	O	|	|	|	|	15.17	30.667	0.00	1.01	13.018	O	|	|	|	|	14.87
25.583	0.00	1.02	13.442	O	|	|	|	|	15.16	30.750	0.00	1.01	13.011	O	|	|	|	|	14.87
25.667	0.00	1.02	13.435	O	|	|	|	|	15.16	30.833	0.00	1.01	13.004	O	|	|	|	|	14.86
25.750	0.00	1.02	13.428	O	|	|	|	|	15.15	30.917	0.00	1.01	12.997	O	|	|	|	|	14.86
25.833	0.00	1.02	13.421	O	|	|	|	|	15.15	31.000	0.00	1.01	12.990	O	|	|	|	|	14.85
25.917	0.00	1.02	13.414	O	|	|	|	|	15.14	31.083	0.00	1.01	12.983	O	|	|	|	|	14.85
26.000	0.00	1.02	13.407	O	|	|	|	|	15.14	31.167	0.00	1.01	12.976	O	|	|	|	|	14.84
26.083	0.00	1.02	13.400	O	|	|	|	|	15.13	31.250	0.00	1.01	12.969	O	|	|	|	|	14.84
26.167	0.00	1.02	13.393	O	|	|	|	|	15.13	31.333	0.00	1.01	12.962	O	|	|	|	|	14.83
26.250	0.00	1.01	13.386	O	|	|	|	|	15.12	31.417	0.00	1.00	12.955	O	|	|	|	|	14.83
26.333	0.00	1.01	13.379	O	|	|	|	|	15.12	31.500	0.00	1.00	12.948	O	|	|	|	|	14.83
26.417	0.00	1.01	13.372	O	|	|	|	|	15.11	31.583	0.00	1.00	12.941	O	|	|	|	|	14.82
26.500	0.00	1.01	13.365	O	|	|	|	|	15.11	31.667	0.00	1.00	12.934	O	|	|	|	|	14.82
26.583	0.00	1.01	13.358	O	|	|	|	|	15.11	31.750	0.00	1.00	12.928	O	|	|	|	|	14.81
26.667	0.00	1.01	13.351	O	|	|	|	|	15.10	31.833	0.00	1.00	12.921	O	|	|	|	|	14.81
26.750	0.00	1.01	13.344	O	|	|	|	|	15.10	31.917	0.00	1.00	12.914	O	|	|	|	|	14.80
26.833	0.00	1.01	13.337	O	|	|	|	|	15.09	32.000	0.00	1.00	12.907	O	|	|	|	|	14.80
26.917	0.00	1.01	13.330	O	|	|	|	|	15.09	32.083	0.00	1.00	12.900	O	|	|	|	|	14.79
27.000	0.00	1.01	13.323	O	|	|	|	|	15.08	32.167	0.00	1.00	12.893	O	|	|	|	|	14.79
27.083	0.00	1.01	13.317	O	|	|	|	|	15.08	32.250	0.00	1.00	12.886	O	|	|	|	|	14.78
27.167	0.00	1.01	13.310	O	|	|	|	|	15.07	32.333	0.00	1.00	12.879	O	|	|	|	|	14.78
27.250	0.00	1.01	13.303	O	|	|	|	|	15.07	32.417	0.00	1.00	12.872	O	|	|	|	|	14.77
27.333	0.00	1.01	13.296	O	|	|	|	|	15.06	32.500	0.00	1.00	12.865	O	|	|	|	|	14.77
27.417	0.00	1.01	13.289	O	|	|	|	|	15.06	32.583	0.00	1.00	12.858	O	|	|	|	|	14.76
27.500	0.00	1.01	13.282	O	|	|	|	|	15.05	32.667	0.00	1.00	12.852	O	|	|	|	|	14.76
27.583	0.00	1.01	13.275	O	|	|	|	|	15.05	32.750	0.00	1.00	12.845	O	|	|	|	|	14.75
27.667	0.00	1.01	13.268	O	|	|	|	|	15.05	32.833	0.00	1.00	12.838	O	|	|	|	|	14.75
27.750	0.00	1.01	13.261	O	|	|	|	|	15.04	32.917	0.00	1.00	12.831	O	|	|	|	|	14.74
27.833	0.00	1.01	13.254	O	|	|	|	|	15.04	33.000	0.00	1.00	12.824	O	|	|	|	|	14.74
27.917	0.00	1.01	13.247	O	|	|	|	|	15.03	33.083	0.00	1.00	12.817	O	|	|	|	|	14.73
28.000	0.00	1.01	13.240	O	|	|	|	|	15.03	33.167	0.00	1.00	12.810	O	|	|	|	|	14.73
28.083	0.00	1.01	13.233	O	|	|	|	|	15.02	33.250	0.00	1.00	12.803	O	|	|	|	|	14.72
28.167	0.00	1.01	13.226	O	|	|	|	|	15.02	33.333	0.00	1.00	12.796	O	|	|	|	|	14.72
28.250	0.00	1.01	13.219	O	|	|	|	|	15.01	33.417	0.00	1.00	12.789	O	|	|	|	|	14.71
28.333	0.00	1.01	13.212	O	|	|	|	|	15.01	33.500	0.00	1.00	12.783	O	|	|	|	|	14.71
28.417	0.00	1.01	13.205	O	|	|	|	|	15.00	33.583	0.00	1.00	12.776	O	|	|	|	|	14.70

33.667	0.00	1.00	12.769	O	|	|	|	|	14.70	38.833	0.00	0.99	12.343	O	|	|	|	|	14.40
33.750	0.00	1.00	12.762	O	|	|	|	|	14.69	38.917	0.00	0.99	12.336	O	|	|	|	|	14.40
33.833	0.00	1.00	12.755	O	|	|	|	|	14.69	39.000	0.00	0.99	12.330	O	|	|	|	|	14.39
33.917	0.00	1.00	12.748	O	|	|	|	|	14.68	39.083	0.00	0.99	12.323	O	|	|	|	|	14.39
34.000	0.00	1.00	12.741	O	|	|	|	|	14.68	39.167	0.00	0.99	12.316	O	|	|	|	|	14.38
34.083	0.00	1.00	12.734	O	|	|	|	|	14.68	39.250	0.00	0.99	12.309	O	|	|	|	|	14.38
34.167	0.00	1.00	12.727	O	|	|	|	|	14.67	39.333	0.00	0.99	12.302	O	|	|	|	|	14.37
34.250	0.00	1.00	12.721	O	|	|	|	|	14.67	39.417	0.00	0.99	12.295	O	|	|	|	|	14.37
34.333	0.00	1.00	12.714	O	|	|	|	|	14.66	39.500	0.00	0.99	12.289	O	|	|	|	|	14.36
34.417	0.00	1.00	12.707	O	|	|	|	|	14.66	39.583	0.00	0.99	12.282	O	|	|	|	|	14.36
34.500	0.00	1.00	12.700	O	|	|	|	|	14.65	39.667	0.00	0.99	12.275	O	|	|	|	|	14.35
34.583	0.00	1.00	12.693	O	|	|	|	|	14.65	39.750	0.00	0.99	12.268	O	|	|	|	|	14.35
34.667	0.00	1.00	12.686	O	|	|	|	|	14.64	39.833	0.00	0.99	12.261	O	|	|	|	|	14.34
34.750	0.00	1.00	12.679	O	|	|	|	|	14.64	39.917	0.00	0.99	12.255	O	|	|	|	|	14.34
34.833	0.00	1.00	12.672	O	|	|	|	|	14.63	40.000	0.00	0.99	12.248	O	|	|	|	|	14.33
34.917	0.00	1.00	12.665	O	|	|	|	|	14.63	40.083	0.00	0.99	12.241	O	|	|	|	|	14.33
35.000	0.00	1.00	12.659	O	|	|	|	|	14.62	40.167	0.00	0.99	12.234	O	|	|	|	|	14.32
35.083	0.00	1.00	12.652	O	|	|	|	|	14.62	40.250	0.00	0.99	12.227	O	|	|	|	|	14.32
35.167	0.00	1.00	12.645	O	|	|	|	|	14.61	40.333	0.00	0.99	12.220	O	|	|	|	|	14.31
35.250	0.00	1.00	12.638	O	|	|	|	|	14.61	40.417	0.00	0.99	12.214	O	|	|	|	|	14.31
35.333	0.00	1.00	12.631	O	|	|	|	|	14.60	40.500	0.00	0.99	12.207	O	|	|	|	|	14.31
35.417	0.00	1.00	12.624	O	|	|	|	|	14.60	40.583	0.00	0.99	12.200	O	|	|	|	|	14.30
35.500	0.00	1.00	12.617	O	|	|	|	|	14.59	40.667	0.00	0.99	12.193	O	|	|	|	|	14.30
35.583	0.00	1.00	12.610	O	|	|	|	|	14.59	40.750	0.00	0.99	12.186	O	|	|	|	|	14.29
35.667	0.00	1.00	12.604	O	|	|	|	|	14.58	40.833	0.00	0.99	12.180	O	|	|	|	|	14.29
35.750	0.00	1.00	12.597	O	|	|	|	|	14.58	40.917	0.00	0.99	12.173	O	|	|	|	|	14.28
35.833	0.00	1.00	12.590	O	|	|	|	|	14.57	41.000	0.00	0.99	12.166	O	|	|	|	|	14.28
35.917	0.00	1.00	12.583	O	|	|	|	|	14.57	41.083	0.00	0.99	12.159	O	|	|	|	|	14.27
36.000	0.00	1.00	12.576	O	|	|	|	|	14.56	41.167	0.00	0.99	12.152	O	|	|	|	|	14.27
36.083	0.00	1.00	12.569	O	|	|	|	|	14.56	41.250	0.00	0.99	12.146	O	|	|	|	|	14.26
36.167	0.00	1.00	12.562	O	|	|	|	|	14.55	41.333	0.00	0.99	12.139	O	|	|	|	|	14.26
36.250	0.00	1.00	12.556	O	|	|	|	|	14.55	41.417	0.00	0.99	12.132	O	|	|	|	|	14.25
36.333	0.00	1.00	12.549	O	|	|	|	|	14.54	41.500	0.00	0.99	12.125	O	|	|	|	|	14.25
36.417	0.00	1.00	12.542	O	|	|	|	|	14.54	41.583	0.00	0.99	12.118	O	|	|	|	|	14.24
36.500	0.00	1.00	12.535	O	|	|	|	|	14.54	41.667	0.00	0.99	12.112	O	|	|	|	|	14.24
36.583	0.00	1.00	12.528	O	|	|	|	|	14.53	41.750	0.00	0.99	12.105	O	|	|	|	|	14.23
36.667	0.00	1.00	12.521	O	|	|	|	|	14.53	41.833	0.00	0.99	12.098	O	|	|	|	|	14.23
36.750	0.00	1.00	12.514	O	|	|	|	|	14.52	41.917	0.00	0.99	12.091	O	|	|	|	|	14.22
36.833	0.00	1.00	12.507	O	|	|	|	|	14.52	42.000	0.00	0.99	12.084	O	|	|	|	|	14.22
36.917	0.00	1.00	12.501	O	|	|	|	|	14.51	42.083	0.00	0.99	12.078	O	|	|	|	|	14.21
37.000	0.00	1.00	12.494	O	|	|	|	|	14.51	42.167	0.00	0.99	12.071	O	|	|	|	|	14.21
37.083	0.00	1.00	12.487	O	|	|	|	|	14.50	42.250	0.00	0.99	12.064	O	|	|	|	|	14.21
37.167	0.00	0.99	12.480	O	|	|	|	|	14.50	42.333	0.00	0.99	12.057	O	|	|	|	|	14.20
37.250	0.00	0.99	12.473	O	|	|	|	|	14.49	42.417	0.00	0.99	12.050	O	|	|	|	|	14.20
37.333	0.00	0.99	12.466	O	|	|	|	|	14.49	42.500	0.00	0.99	12.044	O	|	|	|	|	14.19
37.417	0.00	0.99	12.460	O	|	|	|	|	14.48	42.583	0.00	0.99	12.037	O	|	|	|	|	14.19
37.500	0.00	0.99	12.453	O	|	|	|	|	14.48	42.667	0.00	0.99	12.030	O	|	|	|	|	14.18
37.583	0.00	0.99	12.446	O	|	|	|	|	14.47	42.750	0.00	0.99	12.023	O	|	|	|	|	14.18
37.667	0.00	0.99	12.439	O	|	|	|	|	14.47	42.833	0.00	0.99	12.016	O	|	|	|	|	14.17
37.750	0.00	0.99	12.432	O	|	|	|	|	14.46	42.917	0.00	0.99	12.010	O	|	|	|	|	14.17
37.833	0.00	0.99	12.425	O	|	|	|	|	14.46	43.000	0.00	0.98	12.003	O	|	|	|	|	14.16
37.917	0.00	0.99	12.418	O	|	|	|	|	14.45	43.083	0.00	0.98	11.996	O	|	|	|	|	14.16
38.000	0.00	0.99	12.412	O	|	|	|	|	14.45	43.167	0.00	0.98	11.989	O	|	|	|	|	14.15
38.083	0.00	0.99	12.405	O	|	|	|	|	14.44	43.250	0.00	0.98	11.983	O	|	|	|	|	14.15
38.167	0.00	0.99	12.398	O	|	|	|	|	14.44	43.333	0.00	0.98	11.976	O	|	|	|	|	14.14
38.250	0.00	0.99	12.391	O	|	|	|	|	14.43	43.417	0.00	0.98	11.969	O	|	|	|	|	14.14
38.333	0.00	0.99	12.384	O	|	|	|	|	14.43	43.500	0.00	0.98	11.962	O	|	|	|	|	14.13
38.417	0.00	0.99	12.377	O	|	|	|	|	14.42	43.583	0.00	0.98	11.955	O	|	|	|	|	14.13
38.500	0.00	0.99	12.371	O	|	|	|	|	14.42	43.667	0.00	0.98	11.949	O	|	|	|	|	14.12
38.583	0.00	0.99	12.364	O	|	|	|	|	14.42	43.750	0.00	0.98	11.942	O	|	|	|	|	14.12
38.667	0.00	0.99	12.357	O	|	|	|	|	14.41	43.833	0.00	0.98	11.935	O	|	|	|	|	14.11
38.750	0.00	0.99	12.350	O	|	|	|	|	14.41	43.917	0.00	0.98	11.928	O	|	|	|	|	14.11

44.000	0.00	0.98	11.922	O	|	|	|	|	14.11	49.167	0.00	0.97	11.504	O	|	|	|	|	13.80
44.083	0.00	0.98	11.915	O	|	|	|	|	14.10	49.250	0.00	0.97	11.497	O	|	|	|	|	13.79
44.167	0.00	0.98	11.908	O	|	|	|	|	14.10	49.333	0.00	0.97	11.490	O	|	|	|	|	13.79
44.250	0.00	0.98	11.901	O	|	|	|	|	14.09	49.417	0.00	0.97	11.484	O	|	|	|	|	13.78
44.333	0.00	0.98	11.894	O	|	|	|	|	14.09	49.500	0.00	0.97	11.477	O	|	|	|	|	13.78
44.417	0.00	0.98	11.888	O	|	|	|	|	14.08	49.583	0.00	0.97	11.470	O	|	|	|	|	13.77
44.500	0.00	0.98	11.881	O	|	|	|	|	14.08	49.667	0.00	0.97	11.463	O	|	|	|	|	13.77
44.583	0.00	0.98	11.874	O	|	|	|	|	14.07	49.750	0.00	0.97	11.457	O	|	|	|	|	13.76
44.667	0.00	0.98	11.867	O	|	|	|	|	14.07	49.833	0.00	0.97	11.450	O	|	|	|	|	13.76
44.750	0.00	0.98	11.861	O	|	|	|	|	14.06	49.917	0.00	0.97	11.443	O	|	|	|	|	13.75
44.833	0.00	0.98	11.854	O	|	|	|	|	14.06	50.000	0.00	0.97	11.437	O	|	|	|	|	13.75
44.917	0.00	0.98	11.847	O	|	|	|	|	14.05	50.083	0.00	0.97	11.430	O	|	|	|	|	13.74
45.000	0.00	0.98	11.840	O	|	|	|	|	14.05	50.167	0.00	0.97	11.423	O	|	|	|	|	13.74
45.083	0.00	0.98	11.834	O	|	|	|	|	14.04	50.250	0.00	0.97	11.417	O	|	|	|	|	13.73
45.167	0.00	0.98	11.827	O	|	|	|	|	14.04	50.333	0.00	0.97	11.410	O	|	|	|	|	13.73
45.250	0.00	0.98	11.820	O	|	|	|	|	14.03	50.417	0.00	0.97	11.403	O	|	|	|	|	13.72
45.333	0.00	0.98	11.813	O	|	|	|	|	14.03	50.500	0.00	0.97	11.396	O	|	|	|	|	13.72
45.417	0.00	0.98	11.807	O	|	|	|	|	14.02	50.583	0.00	0.97	11.390	O	|	|	|	|	13.71
45.500	0.00	0.98	11.800	O	|	|	|	|	14.02	50.667	0.00	0.97	11.383	O	|	|	|	|	13.71
45.583	0.00	0.98	11.793	O	|	|	|	|	14.02	50.750	0.00	0.97	11.376	O	|	|	|	|	13.70
45.667	0.00	0.98	11.786	O	|	|	|	|	14.01	50.833	0.00	0.97	11.370	O	|	|	|	|	13.70
45.750	0.00	0.98	11.780	O	|	|	|	|	14.01	50.917	0.00	0.97	11.363	O	|	|	|	|	13.69
45.833	0.00	0.98	11.773	O	|	|	|	|	14.00	51.000	0.00	0.97	11.356	O	|	|	|	|	13.69
45.917	0.00	0.98	11.766	O	|	|	|	|	14.00	51.083	0.00	0.97	11.350	O	|	|	|	|	13.68
46.000	0.00	0.98	11.759	O	|	|	|	|	13.99	51.167	0.00	0.97	11.343	O	|	|	|	|	13.68
46.083	0.00	0.98	11.753	O	|	|	|	|	13.99	51.250	0.00	0.97	11.336	O	|	|	|	|	13.67
46.167	0.00	0.98	11.746	O	|	|	|	|	13.98	51.333	0.00	0.97	11.330	O	|	|	|	|	13.67
46.250	0.00	0.98	11.739	O	|	|	|	|	13.98	51.417	0.00	0.97	11.323	O	|	|	|	|	13.66
46.333	0.00	0.98	11.732	O	|	|	|	|	13.97	51.500	0.00	0.97	11.316	O	|	|	|	|	13.66
46.417	0.00	0.98	11.726	O	|	|	|	|	13.97	51.583	0.00	0.97	11.310	O	|	|	|	|	13.65
46.500	0.00	0.98	11.719	O	|	|	|	|	13.96	51.667	0.00	0.97	11.303	O	|	|	|	|	13.65
46.583	0.00	0.98	11.712	O	|	|	|	|	13.96	51.750	0.00	0.97	11.296	O	|	|	|	|	13.64
46.667	0.00	0.98	11.705	O	|	|	|	|	13.95	51.833	0.00	0.97	11.290	O	|	|	|	|	13.64
46.750	0.00	0.98	11.699	O	|	|	|	|	13.95	51.917	0.00	0.97	11.283	O	|	|	|	|	13.63
46.833	0.00	0.98	11.692	O	|	|	|	|	13.94	52.000	0.00	0.97	11.276	O	|	|	|	|	13.63
46.917	0.00	0.98	11.685	O	|	|	|	|	13.94	52.083	0.00	0.97	11.270	O	|	|	|	|	13.62
47.000	0.00	0.98	11.678	O	|	|	|	|	13.93	52.167	0.00	0.97	11.263	O	|	|	|	|	13.62
47.083	0.00	0.98	11.672	O	|	|	|	|	13.93	52.250	0.00	0.97	11.256	O	|	|	|	|	13.61
47.167	0.00	0.98	11.665	O	|	|	|	|	13.92	52.333	0.00	0.97	11.250	O	|	|	|	|	13.61
47.250	0.00	0.98	11.658	O	|	|	|	|	13.92	52.417	0.00	0.97	11.243	O	|	|	|	|	13.60
47.333	0.00	0.98	11.651	O	|	|	|	|	13.91	52.500	0.00	0.97	11.236	O	|	|	|	|	13.60
47.417	0.00	0.98	11.645	O	|	|	|	|	13.91	52.583	0.00	0.97	11.230	O	|	|	|	|	13.59
47.500	0.00	0.98	11.638	O	|	|	|	|	13.90	52.667	0.00	0.97	11.223	O	|	|	|	|	13.59
47.583	0.00	0.98	11.631	O	|	|	|	|	13.90	52.750	0.00	0.97	11.216	O	|	|	|	|	13.58
47.667	0.00	0.98	11.625	O	|	|	|	|	13.89	52.833	0.00	0.97	11.210	O	|	|	|	|	13.58
47.750	0.00	0.98	11.618	O	|	|	|	|	13.89	52.917	0.00	0.97	11.203	O	|	|	|	|	13.57
47.833	0.00	0.98	11.611	O	|	|	|	|	13.88	53.000	0.00	0.97	11.196	O	|	|	|	|	13.57
47.917	0.00	0.98	11.604	O	|	|	|	|	13.88	53.083	0.00	0.97	11.190	O	|	|	|	|	13.56
48.000	0.00	0.98	11.598	O	|	|	|	|	13.87	53.167	0.00	0.97	11.183	O	|	|	|	|	13.56
48.083	0.00	0.98	11.591	O	|	|	|	|	13.87	53.250	0.00	0.97	11.176	O	|	|	|	|	13.55
48.167	0.00	0.98	11.584	O	|	|	|	|	13.86	53.333	0.00	0.97	11.170	O	|	|	|	|	13.55
48.250	0.00	0.98	11.578	O	|	|	|	|	13.86	53.417	0.00	0.97	11.163	O	|	|	|	|	13.54
48.333	0.00	0.98	11.571	O	|	|	|	|	13.85	53.500	0.00	0.97	11.156	O	|	|	|	|	13.54
48.417	0.00	0.98	11.564	O	|	|	|	|	13.85	53.583	0.00	0.97	11.150	O	|	|	|	|	13.53
48.500	0.00	0.98	11.557	O	|	|	|	|	13.84	53.667	0.00	0.97	11.143	O	|	|	|	|	13.53
48.583	0.00	0.98	11.551	O	|	|	|	|	13.83	53.750	0.00	0.97	11.136	O	|	|	|	|	13.52
48.667	0.00	0.97	11.544	O	|	|	|	|	13.83	53.833	0.00	0.97	11.130	O	|	|	|	|	13.52
48.750	0.00	0.97	11.537	O	|	|	|	|	13.82	53.917	0.00	0.97	11.123	O	|	|	|	|	13.51
48.833	0.00	0.97	11.531	O	|	|	|	|	13.82	54.000	0.00	0.97	11.116	O	|	|	|	|	13.51
48.917	0.00	0.97	11.524	O	|	|	|	|	13.81	54.083	0.00	0.97	11.110	O	|	|	|	|	13.50
49.000	0.00	0.97	11.517	O	|	|	|	|	13.81	54.167	0.00	0.96	11.103	O	|	|	|	|	13.50
49.083	0.00	0.97	11.510	O	|	|	|	|	13.80	54.250	0.00	0.96	11.096	O	|	|	|	|	13.49

54.333	0.00	0.96	11.090	O	|	|	|	|	13.49	59.500	0.00	0.96	10.680	O	|	|	|	|	13.18
54.417	0.00	0.96	11.083	O	|	|	|	|	13.48	59.583	0.00	0.96	10.673	O	|	|	|	|	13.18
54.500	0.00	0.96	11.076	O	|	|	|	|	13.48	59.667	0.00	0.96	10.667	O	|	|	|	|	13.17
54.583	0.00	0.96	11.070	O	|	|	|	|	13.47	59.750	0.00	0.96	10.660	O	|	|	|	|	13.17
54.667	0.00	0.96	11.063	O	|	|	|	|	13.47	59.833	0.00	0.95	10.653	O	|	|	|	|	13.16
54.750	0.00	0.96	11.057	O	|	|	|	|	13.46	59.917	0.00	0.95	10.647	O	|	|	|	|	13.16
54.833	0.00	0.96	11.050	O	|	|	|	|	13.46	60.000	0.00	0.95	10.640	O	|	|	|	|	13.15
54.917	0.00	0.96	11.043	O	|	|	|	|	13.45	60.083	0.00	0.95	10.634	O	|	|	|	|	13.15
55.000	0.00	0.96	11.037	O	|	|	|	|	13.45	60.167	0.00	0.95	10.627	O	|	|	|	|	13.14
55.083	0.00	0.96	11.030	O	|	|	|	|	13.44	60.250	0.00	0.95	10.621	O	|	|	|	|	13.14
55.167	0.00	0.96	11.023	O	|	|	|	|	13.44	60.333	0.00	0.95	10.614	O	|	|	|	|	13.13
55.250	0.00	0.96	11.017	O	|	|	|	|	13.44	60.417	0.00	0.95	10.607	O	|	|	|	|	13.13
55.333	0.00	0.96	11.010	O	|	|	|	|	13.43	60.500	0.00	0.95	10.601	O	|	|	|	|	13.12
55.417	0.00	0.96	11.003	O	|	|	|	|	13.43	60.583	0.00	0.95	10.594	O	|	|	|	|	13.12
55.500	0.00	0.96	10.997	O	|	|	|	|	13.42	60.667	0.00	0.95	10.588	O	|	|	|	|	13.11
55.583	0.00	0.96	10.990	O	|	|	|	|	13.42	60.750	0.00	0.95	10.581	O	|	|	|	|	13.11
55.667	0.00	0.96	10.984	O	|	|	|	|	13.41	60.833	0.00	0.95	10.575	O	|	|	|	|	13.10
55.750	0.00	0.96	10.977	O	|	|	|	|	13.41	60.917	0.00	0.95	10.568	O	|	|	|	|	13.10
55.833	0.00	0.96	10.970	O	|	|	|	|	13.40	61.000	0.00	0.95	10.562	O	|	|	|	|	13.09
55.917	0.00	0.96	10.964	O	|	|	|	|	13.40	61.083	0.00	0.95	10.555	O	|	|	|	|	13.09
56.000	0.00	0.96	10.957	O	|	|	|	|	13.39	61.167	0.00	0.95	10.548	O	|	|	|	|	13.08
56.083	0.00	0.96	10.950	O	|	|	|	|	13.39	61.250	0.00	0.95	10.542	O	|	|	|	|	13.08
56.167	0.00	0.96	10.944	O	|	|	|	|	13.38	61.333	0.00	0.95	10.535	O	|	|	|	|	13.07
56.250	0.00	0.96	10.937	O	|	|	|	|	13.38	61.417	0.00	0.95	10.529	O	|	|	|	|	13.07
56.333	0.00	0.96	10.931	O	|	|	|	|	13.37	61.500	0.00	0.95	10.522	O	|	|	|	|	13.06
56.417	0.00	0.96	10.924	O	|	|	|	|	13.37	61.583	0.00	0.95	10.516	O	|	|	|	|	13.06
56.500	0.00	0.96	10.917	O	|	|	|	|	13.36	61.667	0.00	0.95	10.509	O	|	|	|	|	13.05
56.583	0.00	0.96	10.911	O	|	|	|	|	13.36	61.750	0.00	0.95	10.503	O	|	|	|	|	13.05
56.667	0.00	0.96	10.904	O	|	|	|	|	13.35	61.833	0.00	0.95	10.496	O	|	|	|	|	13.04
56.750	0.00	0.96	10.898	O	|	|	|	|	13.35	61.917	0.00	0.95	10.489	O	|	|	|	|	13.04
56.833	0.00	0.96	10.891	O	|	|	|	|	13.34	62.000	0.00	0.95	10.483	O	|	|	|	|	13.04
56.917	0.00	0.96	10.884	O	|	|	|	|	13.34	62.083	0.00	0.95	10.476	O	|	|	|	|	13.03
57.000	0.00	0.96	10.878	O	|	|	|	|	13.33	62.167	0.00	0.95	10.470	O	|	|	|	|	13.03
57.083	0.00	0.96	10.871	O	|	|	|	|	13.33	62.250	0.00	0.95	10.463	O	|	|	|	|	13.02
57.167	0.00	0.96	10.864	O	|	|	|	|	13.32	62.333	0.00	0.95	10.457	O	|	|	|	|	13.02
57.250	0.00	0.96	10.858	O	|	|	|	|	13.32	62.417	0.00	0.95	10.450	O	|	|	|	|	13.01
57.333	0.00	0.96	10.851	O	|	|	|	|	13.31	62.500	0.00	0.95	10.444	O	|	|	|	|	13.01
57.417	0.00	0.96	10.845	O	|	|	|	|	13.31	62.583	0.00	0.95	10.437	O	|	|	|	|	13.00
57.500	0.00	0.96	10.838	O	|	|	|	|	13.30	62.667	0.00	0.95	10.430	O	|	|	|	|	13.00
57.583	0.00	0.96	10.831	O	|	|	|	|	13.30	62.750	0.00	0.95	10.424	O	|	|	|	|	12.99
57.667	0.00	0.96	10.825	O	|	|	|	|	13.29	62.833	0.00	0.95	10.417	O	|	|	|	|	12.99
57.750	0.00	0.96	10.818	O	|	|	|	|	13.29	62.917	0.00	0.95	10.411	O	|	|	|	|	12.98
57.833	0.00	0.96	10.812	O	|	|	|	|	13.28	63.000	0.00	0.95	10.404	O	|	|	|	|	12.97
57.917	0.00	0.96	10.805	O	|	|	|	|	13.28	63.083	0.00	0.95	10.398	O	|	|	|	|	12.97
58.000	0.00	0.96	10.798	O	|	|	|	|	13.27	63.167	0.00	0.95	10.391	O	|	|	|	|	12.96
58.083	0.00	0.96	10.792	O	|	|	|	|	13.27	63.250	0.00	0.95	10.385	O	|	|	|	|	12.96
58.167	0.00	0.96	10.785	O	|	|	|	|	13.26	63.333	0.00	0.95	10.378	O	|	|	|	|	12.95
58.250	0.00	0.96	10.779	O	|	|	|	|	13.26	63.417	0.00	0.95	10.372	O	|	|	|	|	12.95
58.333	0.00	0.96	10.772	O	|	|	|	|	13.25	63.500	0.00	0.95	10.365	O	|	|	|	|	12.94
58.417	0.00	0.96	10.765	O	|	|	|	|	13.25	63.583	0.00	0.95	10.359	O	|	|	|	|	12.94
58.500	0.00	0.96	10.759	O	|	|	|	|	13.24	63.667	0.00	0.95	10.352	O	|	|	|	|	12.93
58.583	0.00	0.96	10.752	O	|	|	|	|	13.24	63.750	0.00	0.95	10.346	O	|	|	|	|	12.93
58.667	0.00	0.96	10.746	O	|	|	|	|	13.23	63.833	0.00	0.95	10.339	O	|	|	|	|	12.92
58.750	0.00	0.96	10.739	O	|	|	|	|	13.23	63.917	0.00	0.95	10.333	O	|	|	|	|	12.92
58.833	0.00	0.96	10.732	O	|	|	|	|	13.22	64.000	0.00	0.95	10.326	O	|	|	|	|	12.91
58.917	0.00	0.96	10.726	O	|	|	|	|	13.22	64.083	0.00	0.95	10.319	O	|	|	|	|	12.91
59.000	0.00	0.96	10.719	O	|	|	|	|	13.21	64.167	0.00	0.95	10.313	O	|	|	|	|	12.90
59.083	0.00	0.96	10.713	O	|	|	|	|	13.21	64.250	0.00	0.95	10.306	O	|	|	|	|	12.90
59.167	0.00	0.96	10.706	O	|	|	|	|	13.20	64.333	0.00	0.95	10.300	O	|	|	|	|	12.89
59.250	0.00	0.96	10.700	O	|	|	|	|	13.20	64.417	0.00	0.95	10.293	O	|	|	|	|	12.89
59.333	0.00	0.96	10.693	O	|	|	|	|	13.19	64.500	0.00	0.95	10.287	O	|	|	|	|	12.88
59.417	0.00	0.96	10.686	O	|	|	|	|	13.19	64.583	0.00	0.95	10.280	O	|	|	|	|	12.88

64.667	0.00	0.94	10.274	O	|	|	|	|	12.87	69.833	0.00	0.93	9.873	O	|	|	|	|	12.55
64.750	0.00	0.94	10.267	O	|	|	|	|	12.86	69.917	0.00	0.93	9.867	O	|	|	|	|	12.54
64.833	0.00	0.94	10.261	O	|	|	|	|	12.86	70.000	0.00	0.93	9.860	O	|	|	|	|	12.54
64.917	0.00	0.94	10.254	O	|	|	|	|	12.85	70.083	0.00	0.93	9.854	O	|	|	|	|	12.53
65.000	0.00	0.94	10.248	O	|	|	|	|	12.85	70.167	0.00	0.93	9.848	O	|	|	|	|	12.53
65.083	0.00	0.94	10.241	O	|	|	|	|	12.84	70.250	0.00	0.93	9.841	O	|	|	|	|	12.52
65.167	0.00	0.94	10.235	O	|	|	|	|	12.84	70.333	0.00	0.93	9.835	O	|	|	|	|	12.52
65.250	0.00	0.94	10.228	O	|	|	|	|	12.83	70.417	0.00	0.93	9.828	O	|	|	|	|	12.51
65.333	0.00	0.94	10.222	O	|	|	|	|	12.83	70.500	0.00	0.93	9.822	O	|	|	|	|	12.51
65.417	0.00	0.94	10.215	O	|	|	|	|	12.82	70.583	0.00	0.93	9.816	O	|	|	|	|	12.50
65.500	0.00	0.94	10.209	O	|	|	|	|	12.82	70.667	0.00	0.93	9.809	O	|	|	|	|	12.50
65.583	0.00	0.94	10.202	O	|	|	|	|	12.81	70.750	0.00	0.93	9.803	O	|	|	|	|	12.49
65.667	0.00	0.94	10.196	O	|	|	|	|	12.81	70.833	0.00	0.93	9.796	O	|	|	|	|	12.49
65.750	0.00	0.94	10.189	O	|	|	|	|	12.80	70.917	0.00	0.93	9.790	O	|	|	|	|	12.48
65.833	0.00	0.94	10.183	O	|	|	|	|	12.80	71.000	0.00	0.93	9.784	O	|	|	|	|	12.48
65.917	0.00	0.94	10.176	O	|	|	|	|	12.79	71.083	0.00	0.93	9.777	O	|	|	|	|	12.47
66.000	0.00	0.94	10.170	O	|	|	|	|	12.79	71.167	0.00	0.93	9.771	O	|	|	|	|	12.47
66.083	0.00	0.94	10.163	O	|	|	|	|	12.78	71.250	0.00	0.93	9.764	O	|	|	|	|	12.46
66.167	0.00	0.94	10.157	O	|	|	|	|	12.78	71.333	0.00	0.93	9.758	O	|	|	|	|	12.46
66.250	0.00	0.94	10.151	O	|	|	|	|	12.77	71.417	0.00	0.93	9.752	O	|	|	|	|	12.45
66.333	0.00	0.94	10.144	O	|	|	|	|	12.77	71.500	0.00	0.93	9.745	O	|	|	|	|	12.45
66.417	0.00	0.94	10.138	O	|	|	|	|	12.76	71.583	0.00	0.93	9.739	O	|	|	|	|	12.44
66.500	0.00	0.94	10.131	O	|	|	|	|	12.76	71.667	0.00	0.93	9.732	O	|	|	|	|	12.44
66.583	0.00	0.94	10.125	O	|	|	|	|	12.75	71.750	0.00	0.93	9.726	O	|	|	|	|	12.43
66.667	0.00	0.94	10.118	O	|	|	|	|	12.74	71.833	0.00	0.93	9.720	O	|	|	|	|	12.43
66.750	0.00	0.94	10.112	O	|	|	|	|	12.74	71.917	0.00	0.93	9.713	O	|	|	|	|	12.42
66.833	0.00	0.94	10.105	O	|	|	|	|	12.73	72.000	0.00	0.93	9.707	O	|	|	|	|	12.41
66.917	0.00	0.94	10.099	O	|	|	|	|	12.73	72.083	0.00	0.93	9.700	O	|	|	|	|	12.41
67.000	0.00	0.94	10.092	O	|	|	|	|	12.72	72.167	0.00	0.93	9.694	O	|	|	|	|	12.40
67.083	0.00	0.94	10.086	O	|	|	|	|	12.72	72.250	0.00	0.93	9.688	O	|	|	|	|	12.40
67.167	0.00	0.94	10.079	O	|	|	|	|	12.71	72.333	0.00	0.93	9.681	O	|	|	|	|	12.39
67.250	0.00	0.94	10.073	O	|	|	|	|	12.71	72.417	0.00	0.93	9.675	O	|	|	|	|	12.39
67.333	0.00	0.94	10.066	O	|	|	|	|	12.70	72.500	0.00	0.93	9.669	O	|	|	|	|	12.38
67.417	0.00	0.94	10.060	O	|	|	|	|	12.70	72.583	0.00	0.93	9.662	O	|	|	|	|	12.38
67.500	0.00	0.94	10.054	O	|	|	|	|	12.69	72.667	0.00	0.92	9.656	O	|	|	|	|	12.37
67.583	0.00	0.94	10.047	O	|	|	|	|	12.69	72.750	0.00	0.92	9.649	O	|	|	|	|	12.37
67.667	0.00	0.94	10.041	O	|	|	|	|	12.68	72.833	0.00	0.92	9.643	O	|	|	|	|	12.36
67.750	0.00	0.94	10.034	O	|	|	|	|	12.68	72.917	0.00	0.92	9.637	O	|	|	|	|	12.36
67.833	0.00	0.94	10.028	O	|	|	|	|	12.67	73.000	0.00	0.92	9.630	O	|	|	|	|	12.35
67.917	0.00	0.94	10.021	O	|	|	|	|	12.67	73.083	0.00	0.92	9.624	O	|	|	|	|	12.35
68.000	0.00	0.94	10.015	O	|	|	|	|	12.66	73.167	0.00	0.92	9.618	O	|	|	|	|	12.34
68.083	0.00	0.94	10.008	O	|	|	|	|	12.66	73.250	0.00	0.92	9.611	O	|	|	|	|	12.34
68.167	0.00	0.94	10.002	O	|	|	|	|	12.65	73.333	0.00	0.92	9.605	O	|	|	|	|	12.33
68.250	0.00	0.94	9.995	O	|	|	|	|	12.65	73.417	0.00	0.92	9.599	O	|	|	|	|	12.33
68.333	0.00	0.94	9.989	O	|	|	|	|	12.64	73.500	0.00	0.92	9.592	O	|	|	|	|	12.32
68.417	0.00	0.94	9.983	O	|	|	|	|	12.64	73.583	0.00	0.92	9.586	O	|	|	|	|	12.32
68.500	0.00	0.94	9.976	O	|	|	|	|	12.63	73.667	0.00	0.92	9.579	O	|	|	|	|	12.31
68.583	0.00	0.94	9.970	O	|	|	|	|	12.63	73.750	0.00	0.92	9.573	O	|	|	|	|	12.31
68.667	0.00	0.93	9.963	O	|	|	|	|	12.62	73.833	0.00	0.92	9.567	O	|	|	|	|	12.30
68.750	0.00	0.93	9.957	O	|	|	|	|	12.62	73.917	0.00	0.92	9.560	O	|	|	|	|	12.30
68.833	0.00	0.93	9.950	O	|	|	|	|	12.61	74.000	0.00	0.92	9.554	O	|	|	|	|	12.29
68.917	0.00	0.93	9.944	O	|	|	|	|	12.61	74.083	0.00	0.92	9.548	O	|	|	|	|	12.29
69.000	0.00	0.93	9.937	O	|	|	|	|	12.60	74.167	0.00	0.92	9.541	O	|	|	|	|	12.28
69.083	0.00	0.93	9.931	O	|	|	|	|	12.59	74.250	0.00	0.92	9.535	O	|	|	|	|	12.28
69.167	0.00	0.93	9.925	O	|	|	|	|	12.59	74.333	0.00	0.92	9.529	O	|	|	|	|	12.27
69.250	0.00	0.93	9.918	O	|	|	|	|	12.58	74.417	0.00	0.92	9.522	O	|	|	|	|	12.27
69.333	0.00	0.93	9.912	O	|	|	|	|	12.58	74.500	0.00	0.92	9.516	O	|	|	|	|	12.26
69.417	0.00	0.93	9.905	O	|	|	|	|	12.57	74.583	0.00	0.92	9.510	O	|	|	|	|	12.26
69.500	0.00	0.93	9.899	O	|	|	|	|	12.57	74.667	0.00	0.92	9.503	O	|	|	|	|	12.25
69.583	0.00	0.93	9.892	O	|	|	|	|	12.56	74.750	0.00	0.92	9.497	O	|	|	|	|	12.25
69.667	0.00	0.93	9.886	O	|	|	|	|	12.56	74.833	0.00	0.92	9.491	O	|	|	|	|	12.24
69.750	0.00	0.93	9.880	O	|	|	|	|	12.55	74.917	0.00	0.92	9.484	O	|	|	|	|	12.24

75.000	0.00	0.92	9.478	O	|	|	|	|	12.23	80.167	0.00	0.91	9.088	O	|	|	|	|	11.91
75.083	0.00	0.92	9.472	O	|	|	|	|	12.23	80.250	0.00	0.91	9.082	O	|	|	|	|	11.91
75.167	0.00	0.92	9.465	O	|	|	|	|	12.22	80.333	0.00	0.91	9.076	O	|	|	|	|	11.90
75.250	0.00	0.92	9.459	O	|	|	|	|	12.22	80.417	0.00	0.91	9.069	O	|	|	|	|	11.90
75.333	0.00	0.92	9.453	O	|	|	|	|	12.21	80.500	0.00	0.91	9.063	O	|	|	|	|	11.89
75.417	0.00	0.92	9.446	O	|	|	|	|	12.21	80.583	0.00	0.91	9.057	O	|	|	|	|	11.88
75.500	0.00	0.92	9.440	O	|	|	|	|	12.20	80.667	0.00	0.91	9.051	O	|	|	|	|	11.88
75.583	0.00	0.92	9.434	O	|	|	|	|	12.20	80.750	0.00	0.91	9.044	O	|	|	|	|	11.87
75.667	0.00	0.92	9.427	O	|	|	|	|	12.19	80.833	0.00	0.91	9.038	O	|	|	|	|	11.87
75.750	0.00	0.92	9.421	O	|	|	|	|	12.19	80.917	0.00	0.91	9.032	O	|	|	|	|	11.86
75.833	0.00	0.92	9.415	O	|	|	|	|	12.18	81.000	0.00	0.91	9.026	O	|	|	|	|	11.86
75.917	0.00	0.92	9.408	O	|	|	|	|	12.18	81.083	0.00	0.91	9.019	O	|	|	|	|	11.85
76.000	0.00	0.92	9.402	O	|	|	|	|	12.17	81.167	0.00	0.91	9.013	O	|	|	|	|	11.85
76.083	0.00	0.92	9.396	O	|	|	|	|	12.17	81.250	0.00	0.91	9.007	O	|	|	|	|	11.84
76.167	0.00	0.92	9.390	O	|	|	|	|	12.16	81.333	0.00	0.91	9.001	O	|	|	|	|	11.84
76.250	0.00	0.92	9.383	O	|	|	|	|	12.16	81.417	0.00	0.90	8.995	O	|	|	|	|	11.83
76.333	0.00	0.92	9.377	O	|	|	|	|	12.15	81.500	0.00	0.90	8.988	O	|	|	|	|	11.83
76.417	0.00	0.92	9.371	O	|	|	|	|	12.14	81.583	0.00	0.90	8.982	O	|	|	|	|	11.82
76.500	0.00	0.92	9.364	O	|	|	|	|	12.14	81.667	0.00	0.90	8.976	O	|	|	|	|	11.81
76.583	0.00	0.92	9.358	O	|	|	|	|	12.13	81.750	0.00	0.90	8.970	O	|	|	|	|	11.81
76.667	0.00	0.92	9.352	O	|	|	|	|	12.13	81.833	0.00	0.90	8.963	O	|	|	|	|	11.80
76.750	0.00	0.91	9.345	O	|	|	|	|	12.12	81.917	0.00	0.90	8.957	O	|	|	|	|	11.80
76.833	0.00	0.91	9.339	O	|	|	|	|	12.12	82.000	0.00	0.90	8.951	O	|	|	|	|	11.79
76.917	0.00	0.91	9.333	O	|	|	|	|	12.11	82.083	0.00	0.90	8.945	O	|	|	|	|	11.79
77.000	0.00	0.91	9.326	O	|	|	|	|	12.11	82.167	0.00	0.90	8.938	O	|	|	|	|	11.78
77.083	0.00	0.91	9.320	O	|	|	|	|	12.10	82.250	0.00	0.90	8.932	O	|	|	|	|	11.78
77.167	0.00	0.91	9.314	O	|	|	|	|	12.10	82.333	0.00	0.90	8.926	O	|	|	|	|	11.77
77.250	0.00	0.91	9.308	O	|	|	|	|	12.09	82.417	0.00	0.90	8.920	O	|	|	|	|	11.77
77.333	0.00	0.91	9.301	O	|	|	|	|	12.09	82.500	0.00	0.90	8.914	O	|	|	|	|	11.76
77.417	0.00	0.91	9.295	O	|	|	|	|	12.08	82.583	0.00	0.90	8.907	O	|	|	|	|	11.76
77.500	0.00	0.91	9.289	O	|	|	|	|	12.08	82.667	0.00	0.90	8.901	O	|	|	|	|	11.75
77.583	0.00	0.91	9.282	O	|	|	|	|	12.07	82.750	0.00	0.90	8.895	O	|	|	|	|	11.74
77.667	0.00	0.91	9.276	O	|	|	|	|	12.07	82.833	0.00	0.90	8.889	O	|	|	|	|	11.74
77.750	0.00	0.91	9.270	O	|	|	|	|	12.06	82.917	0.00	0.90	8.883	O	|	|	|	|	11.73
77.833	0.00	0.91	9.264	O	|	|	|	|	12.06	83.000	0.00	0.90	8.876	O	|	|	|	|	11.73
77.917	0.00	0.91	9.257	O	|	|	|	|	12.05	83.083	0.00	0.90	8.870	O	|	|	|	|	11.72
78.000	0.00	0.91	9.251	O	|	|	|	|	12.05	83.167	0.00	0.90	8.864	O	|	|	|	|	11.72
78.083	0.00	0.91	9.245	O	|	|	|	|	12.04	83.250	0.00	0.90	8.858	O	|	|	|	|	11.71
78.167	0.00	0.91	9.238	O	|	|	|	|	12.04	83.333	0.00	0.90	8.851	O	|	|	|	|	11.71
78.250	0.00	0.91	9.232	O	|	|	|	|	12.03	83.417	0.00	0.90	8.845	O	|	|	|	|	11.70
78.333	0.00	0.91	9.226	O	|	|	|	|	12.03	83.500	0.00	0.90	8.839	O	|	|	|	|	11.70
78.417	0.00	0.91	9.220	O	|	|	|	|	12.02	83.583	0.00	0.90	8.833	O	|	|	|	|	11.69
78.500	0.00	0.91	9.213	O	|	|	|	|	12.02	83.667	0.00	0.90	8.827	O	|	|	|	|	11.69
78.583	0.00	0.91	9.207	O	|	|	|	|	12.01	83.750	0.00	0.90	8.820	O	|	|	|	|	11.68
78.667	0.00	0.91	9.201	O	|	|	|	|	12.01	83.833	0.00	0.90	8.814	O	|	|	|	|	11.67
78.750	0.00	0.91	9.195	O	|	|	|	|	12.00	83.917	0.00	0.90	8.808	O	|	|	|	|	11.67
78.833	0.00	0.91	9.188	O	|	|	|	|	12.00	84.000	0.00	0.90	8.802	O	|	|	|	|	11.66
78.917	0.00	0.91	9.182	O	|	|	|	|	11.99	84.083	0.00	0.90	8.796	O	|	|	|	|	11.66
79.000	0.00	0.91	9.176	O	|	|	|	|	11.99	84.167	0.00	0.90	8.789	O	|	|	|	|	11.65
79.083	0.00	0.91	9.169	O	|	|	|	|	11.98	84.250	0.00	0.90	8.783	O	|	|	|	|	11.65
79.167	0.00	0.91	9.163	O	|	|	|	|	11.98	84.333	0.00	0.90	8.777	O	|	|	|	|	11.64
79.250	0.00	0.91	9.157	O	|	|	|	|	11.97	84.417	0.00	0.90	8.771	O	|	|	|	|	11.64
79.333	0.00	0.91	9.151	O	|	|	|	|	11.97	84.500	0.00	0.90	8.765	O	|	|	|	|	11.63
79.417	0.00	0.91	9.144	O	|	|	|	|	11.96	84.583	0.00	0.90	8.759	O	|	|	|	|	11.63
79.500	0.00	0.91	9.138	O	|	|	|	|	11.96	84.667	0.00	0.90	8.752	O	|	|	|	|	11.62
79.583	0.00	0.91	9.132	O	|	|	|	|	11.95	84.750	0.00	0.90	8.746	O	|	|	|	|	11.62
79.667	0.00	0.91	9.126	O	|	|	|	|	11.94	84.833	0.00	0.90	8.740	O	|	|	|	|	11.61
79.750	0.00	0.91	9.119	O	|	|	|	|	11.94	84.917	0.00	0.90	8.734	O	|	|	|	|	11.60
79.833	0.00	0.91	9.113	O	|	|	|	|	11.93	85.000	0.00	0.90	8.728	O	|	|	|	|	11.60
79.917	0.00	0.91	9.107	O	|	|	|	|	11.93	85.083	0.00	0.90	8.721	O	|	|	|	|	11.59
80.000	0.00	0.91	9.101	O	|	|	|	|	11.92	85.167	0.00	0.90	8.715	O	|	|	|	|	11.59
80.083	0.00	0.91	9.094	O	|	|	|	|	11.92	85.250	0.00	0.90	8.709	O	|	|	|	|	11.58

85.333	0.00	0.90	8.703	O	|	|	|	|	11.58	90.500	0.00	0.89	8.322	O	|	|	|	|	11.25
85.417	0.00	0.90	8.697	O	|	|	|	|	11.57	90.583	0.00	0.89	8.316	O	|	|	|	|	11.24
85.500	0.00	0.90	8.690	O	|	|	|	|	11.57	90.667	0.00	0.89	8.310	O	|	|	|	|	11.24
85.583	0.00	0.90	8.684	O	|	|	|	|	11.56	90.750	0.00	0.89	8.303	O	|	|	|	|	11.23
85.667	0.00	0.90	8.678	O	|	|	|	|	11.56	90.833	0.00	0.89	8.297	O	|	|	|	|	11.23
85.750	0.00	0.90	8.672	O	|	|	|	|	11.55	90.917	0.00	0.89	8.291	O	|	|	|	|	11.22
85.833	0.00	0.90	8.666	O	|	|	|	|	11.55	91.000	0.00	0.89	8.285	O	|	|	|	|	11.22
85.917	0.00	0.90	8.660	O	|	|	|	|	11.54	91.083	0.00	0.89	8.279	O	|	|	|	|	11.21
86.000	0.00	0.90	8.653	O	|	|	|	|	11.54	91.167	0.00	0.89	8.273	O	|	|	|	|	11.21
86.083	0.00	0.90	8.647	O	|	|	|	|	11.53	91.250	0.00	0.89	8.267	O	|	|	|	|	11.20
86.167	0.00	0.90	8.641	O	|	|	|	|	11.52	91.333	0.00	0.89	8.261	O	|	|	|	|	11.20
86.250	0.00	0.90	8.635	O	|	|	|	|	11.52	91.417	0.00	0.89	8.255	O	|	|	|	|	11.19
86.333	0.00	0.90	8.629	O	|	|	|	|	11.51	91.500	0.00	0.89	8.249	O	|	|	|	|	11.18
86.417	0.00	0.90	8.623	O	|	|	|	|	11.51	91.583	0.00	0.89	8.242	O	|	|	|	|	11.18
86.500	0.00	0.90	8.616	O	|	|	|	|	11.50	91.667	0.00	0.89	8.236	O	|	|	|	|	11.17
86.583	0.00	0.89	8.610	O	|	|	|	|	11.50	91.750	0.00	0.89	8.230	O	|	|	|	|	11.17
86.667	0.00	0.89	8.604	O	|	|	|	|	11.49	91.833	0.00	0.88	8.224	O	|	|	|	|	11.16
86.750	0.00	0.89	8.598	O	|	|	|	|	11.49	91.917	0.00	0.88	8.218	O	|	|	|	|	11.16
86.833	0.00	0.89	8.592	O	|	|	|	|	11.48	92.000	0.00	0.88	8.212	O	|	|	|	|	11.15
86.917	0.00	0.89	8.586	O	|	|	|	|	11.48	92.083	0.00	0.88	8.206	O	|	|	|	|	11.15
87.000	0.00	0.89	8.579	O	|	|	|	|	11.47	92.167	0.00	0.88	8.200	O	|	|	|	|	11.14
87.083	0.00	0.89	8.573	O	|	|	|	|	11.47	92.250	0.00	0.88	8.194	O	|	|	|	|	11.14
87.167	0.00	0.89	8.567	O	|	|	|	|	11.46	92.333	0.00	0.88	8.188	O	|	|	|	|	11.13
87.250	0.00	0.89	8.561	O	|	|	|	|	11.46	92.417	0.00	0.88	8.182	O	|	|	|	|	11.13
87.333	0.00	0.89	8.555	O	|	|	|	|	11.45	92.500	0.00	0.88	8.175	O	|	|	|	|	11.12
87.417	0.00	0.89	8.549	O	|	|	|	|	11.44	92.583	0.00	0.88	8.169	O	|	|	|	|	11.12
87.500	0.00	0.89	8.543	O	|	|	|	|	11.44	92.667	0.00	0.88	8.163	O	|	|	|	|	11.11
87.583	0.00	0.89	8.536	O	|	|	|	|	11.43	92.750	0.00	0.88	8.157	O	|	|	|	|	11.11
87.667	0.00	0.89	8.530	O	|	|	|	|	11.43	92.833	0.00	0.88	8.151	O	|	|	|	|	11.10
87.750	0.00	0.89	8.524	O	|	|	|	|	11.42	92.917	0.00	0.88	8.145	O	|	|	|	|	11.10
87.833	0.00	0.89	8.518	O	|	|	|	|	11.42	93.000	0.00	0.88	8.139	O	|	|	|	|	11.09
87.917	0.00	0.89	8.512	O	|	|	|	|	11.41	93.083	0.00	0.88	8.133	O	|	|	|	|	11.08
88.000	0.00	0.89	8.506	O	|	|	|	|	11.41	93.167	0.00	0.88	8.127	O	|	|	|	|	11.08
88.083	0.00	0.89	8.500	O	|	|	|	|	11.40	93.250	0.00	0.88	8.121	O	|	|	|	|	11.07
88.167	0.00	0.89	8.493	O	|	|	|	|	11.40	93.333	0.00	0.88	8.115	O	|	|	|	|	11.07
88.250	0.00	0.89	8.487	O	|	|	|	|	11.39	93.417	0.00	0.88	8.109	O	|	|	|	|	11.06
88.333	0.00	0.89	8.481	O	|	|	|	|	11.39	93.500	0.00	0.88	8.102	O	|	|	|	|	11.06
88.417	0.00	0.89	8.475	O	|	|	|	|	11.38	93.583	0.00	0.88	8.096	O	|	|	|	|	11.05
88.500	0.00	0.89	8.469	O	|	|	|	|	11.38	93.667	0.00	0.88	8.090	O	|	|	|	|	11.05
88.583	0.00	0.89	8.463	O	|	|	|	|	11.37	93.750	0.00	0.88	8.084	O	|	|	|	|	11.04
88.667	0.00	0.89	8.457	O	|	|	|	|	11.36	93.833	0.00	0.88	8.078	O	|	|	|	|	11.04
88.750	0.00	0.89	8.450	O	|	|	|	|	11.36	93.917	0.00	0.88	8.072	O	|	|	|	|	11.03
88.833	0.00	0.89	8.444	O	|	|	|	|	11.35	94.000	0.00	0.88	8.066	O	|	|	|	|	11.03
88.917	0.00	0.89	8.438	O	|	|	|	|	11.35	94.083	0.00	0.88	8.060	O	|	|	|	|	11.02
89.000	0.00	0.89	8.432	O	|	|	|	|	11.34	94.167	0.00	0.88	8.054	O	|	|	|	|	11.02
89.083	0.00	0.89	8.426	O	|	|	|	|	11.34	94.250	0.00	0.88	8.048	O	|	|	|	|	11.01
89.167	0.00	0.89	8.420	O	|	|	|	|	11.33	94.333	0.00	0.88	8.042	O	|	|	|	|	11.01
89.250	0.00	0.89	8.414	O	|	|	|	|	11.33	94.417	0.00	0.88	8.036	O	|	|	|	|	11.00
89.333	0.00	0.89	8.407	O	|	|	|	|	11.32	94.500	0.00	0.88	8.030	O	|	|	|	|	11.00
89.417	0.00	0.89	8.401	O	|	|	|	|	11.32	94.583	0.00	0.88	8.024	O	|	|	|	|	10.99
89.500	0.00	0.89	8.395	O	|	|	|	|	11.31	94.667	0.00	0.88	8.018	O	|	|	|	|	10.98
89.583	0.00	0.89	8.389	O	|	|	|	|	11.31	94.750	0.00	0.88	8.012	O	|	|	|	|	10.98
89.667	0.00	0.89	8.383	O	|	|	|	|	11.30	94.833	0.00	0.88	8.005	O	|	|	|	|	10.97
89.750	0.00	0.89	8.377	O	|	|	|	|	11.30	94.917	0.00	0.88	7.999	O	|	|	|	|	10.97
89.833	0.00	0.89	8.371	O	|	|	|	|	11.29	95.000	0.00	0.88	7.993	O	|	|	|	|	10.96
89.917	0.00	0.89	8.365	O	|	|	|	|	11.29	95.083	0.00	0.88	7.987	O	|	|	|	|	10.96
90.000	0.00	0.89	8.358	O	|	|	|	|	11.28	95.167	0.00	0.88	7.981	O	|	|	|	|	10.95
90.083	0.00	0.89	8.352	O	|	|	|	|	11.27	95.250	0.00	0.88	7.975	O	|	|	|	|	10.94
90.167	0.00	0.89	8.346	O	|	|	|	|	11.27	95.333	0.00	0.88	7.969	O	|	|	|	|	10.94
90.250	0.00	0.89	8.340	O	|	|	|	|	11.26	95.417	0.00	0.88	7.963	O	|	|	|	|	10.93
90.333	0.00	0.89	8.334	O	|	|	|	|	11.26	95.500	0.00	0.88	7.957	O	|	|	|	|	10.93
90.417	0.00	0.89	8.328	O	|	|	|	|	11.25	95.583	0.00	0.88	7.951	O	|	|	|	|	10.92

95.667	0.00	0.88	7.945	O	|	|	|	|	10.92	100.833	0.00	0.86	7.574	O	|	|	|	|	10.57
95.750	0.00	0.88	7.939	O	|	|	|	|	10.91	100.917	0.00	0.86	7.568	O	|	|	|	|	10.57
95.833	0.00	0.88	7.933	O	|	|	|	|	10.91	101.000	0.00	0.86	7.562	O	|	|	|	|	10.56
95.917	0.00	0.88	7.927	O	|	|	|	|	10.90	101.083	0.00	0.86	7.556	O	|	|	|	|	10.55
96.000	0.00	0.88	7.921	O	|	|	|	|	10.89	101.167	0.00	0.86	7.550	O	|	|	|	|	10.55
96.083	0.00	0.88	7.915	O	|	|	|	|	10.89	101.250	0.00	0.86	7.544	O	|	|	|	|	10.54
96.167	0.00	0.88	7.909	O	|	|	|	|	10.88	101.333	0.00	0.86	7.538	O	|	|	|	|	10.54
96.250	0.00	0.88	7.903	O	|	|	|	|	10.88	101.417	0.00	0.86	7.532	O	|	|	|	|	10.53
96.333	0.00	0.87	7.897	O	|	|	|	|	10.87	101.500	0.00	0.86	7.526	O	|	|	|	|	10.53
96.417	0.00	0.87	7.891	O	|	|	|	|	10.87	101.583	0.00	0.86	7.520	O	|	|	|	|	10.52
96.500	0.00	0.87	7.885	O	|	|	|	|	10.86	101.667	0.00	0.86	7.514	O	|	|	|	|	10.52
96.583	0.00	0.87	7.879	O	|	|	|	|	10.85	101.750	0.00	0.86	7.508	O	|	|	|	|	10.51
96.667	0.00	0.87	7.873	O	|	|	|	|	10.85	101.833	0.00	0.86	7.502	O	|	|	|	|	10.50
96.750	0.00	0.87	7.867	O	|	|	|	|	10.84	101.917	0.00	0.86	7.497	O	|	|	|	|	10.50
96.833	0.00	0.87	7.861	O	|	|	|	|	10.84	102.000	0.00	0.86	7.491	O	|	|	|	|	10.49
96.917	0.00	0.87	7.855	O	|	|	|	|	10.83	102.083	0.00	0.86	7.485	O	|	|	|	|	10.49
97.000	0.00	0.87	7.849	O	|	|	|	|	10.83	102.167	0.00	0.86	7.479	O	|	|	|	|	10.48
97.083	0.00	0.87	7.843	O	|	|	|	|	10.82	102.250	0.00	0.86	7.473	O	|	|	|	|	10.48
97.167	0.00	0.87	7.837	O	|	|	|	|	10.82	102.333	0.00	0.86	7.467	O	|	|	|	|	10.47
97.250	0.00	0.87	7.831	O	|	|	|	|	10.81	102.417	0.00	0.86	7.461	O	|	|	|	|	10.47
97.333	0.00	0.87	7.825	O	|	|	|	|	10.80	102.500	0.00	0.86	7.455	O	|	|	|	|	10.46
97.417	0.00	0.87	7.819	O	|	|	|	|	10.80	102.583	0.00	0.86	7.449	O	|	|	|	|	10.46
97.500	0.00	0.87	7.813	O	|	|	|	|	10.79	102.667	0.00	0.86	7.443	O	|	|	|	|	10.45
97.583	0.00	0.87	7.807	O	|	|	|	|	10.79	102.750	0.00	0.86	7.437	O	|	|	|	|	10.44
97.667	0.00	0.87	7.801	O	|	|	|	|	10.78	102.833	0.00	0.86	7.431	O	|	|	|	|	10.44
97.750	0.00	0.87	7.795	O	|	|	|	|	10.78	102.917	0.00	0.86	7.426	O	|	|	|	|	10.43
97.833	0.00	0.87	7.789	O	|	|	|	|	10.77	103.000	0.00	0.86	7.420	O	|	|	|	|	10.43
97.917	0.00	0.87	7.783	O	|	|	|	|	10.77	103.083	0.00	0.86	7.414	O	|	|	|	|	10.42
98.000	0.00	0.87	7.777	O	|	|	|	|	10.76	103.167	0.00	0.86	7.408	O	|	|	|	|	10.42
98.083	0.00	0.87	7.771	O	|	|	|	|	10.75	103.250	0.00	0.86	7.402	O	|	|	|	|	10.41
98.167	0.00	0.87	7.765	O	|	|	|	|	10.75	103.333	0.00	0.86	7.396	O	|	|	|	|	10.41
98.250	0.00	0.87	7.759	O	|	|	|	|	10.74	103.417	0.00	0.86	7.390	O	|	|	|	|	10.40
98.333	0.00	0.87	7.753	O	|	|	|	|	10.74	103.500	0.00	0.86	7.384	O	|	|	|	|	10.39
98.417	0.00	0.87	7.747	O	|	|	|	|	10.73	103.583	0.00	0.86	7.378	O	|	|	|	|	10.39
98.500	0.00	0.87	7.741	O	|	|	|	|	10.73	103.667	0.00	0.86	7.372	O	|	|	|	|	10.38
98.583	0.00	0.87	7.735	O	|	|	|	|	10.72	103.750	0.00	0.86	7.367	O	|	|	|	|	10.38
98.667	0.00	0.87	7.729	O	|	|	|	|	10.72	103.833	0.00	0.85	7.361	O	|	|	|	|	10.37
98.750	0.00	0.87	7.723	O	|	|	|	|	10.71	103.917	0.00	0.85	7.355	O	|	|	|	|	10.37
98.833	0.00	0.87	7.717	O	|	|	|	|	10.70	104.000	0.00	0.85	7.349	O	|	|	|	|	10.36
98.917	0.00	0.87	7.711	O	|	|	|	|	10.70	104.083	0.00	0.85	7.343	O	|	|	|	|	10.36
99.000	0.00	0.87	7.705	O	|	|	|	|	10.69	104.167	0.00	0.85	7.337	O	|	|	|	|	10.35
99.083	0.00	0.87	7.699	O	|	|	|	|	10.69	104.250	0.00	0.85	7.331	O	|	|	|	|	10.35
99.167	0.00	0.87	7.693	O	|	|	|	|	10.68	104.333	0.00	0.85	7.325	O	|	|	|	|	10.34
99.250	0.00	0.87	7.687	O	|	|	|	|	10.68	104.417	0.00	0.85	7.320	O	|	|	|	|	10.33
99.333	0.00	0.87	7.681	O	|	|	|	|	10.67	104.500	0.00	0.85	7.314	O	|	|	|	|	10.33
99.417	0.00	0.87	7.675	O	|	|	|	|	10.67	104.583	0.00	0.85	7.308	O	|	|	|	|	10.32
99.500	0.00	0.87	7.669	O	|	|	|	|	10.66	104.667	0.00	0.85	7.302	O	|	|	|	|	10.32
99.583	0.00	0.87	7.663	O	|	|	|	|	10.65	104.750	0.00	0.85	7.296	O	|	|	|	|	10.31
99.667	0.00	0.87	7.657	O	|	|	|	|	10.65	104.833	0.00	0.85	7.290	O	|	|	|	|	10.31
99.750	0.00	0.87	7.651	O	|	|	|	|	10.64	104.917	0.00	0.85	7.284	O	|	|	|	|	10.30
99.833	0.00	0.87	7.645	O	|	|	|	|	10.64	105.000	0.00	0.85	7.278	O	|	|	|	|	10.30
99.917	0.00	0.87	7.639	O	|	|	|	|	10.63	105.083	0.00	0.85	7.273	O	|	|	|	|	10.29
100.000	0.00	0.87	7.633	O	|	|	|	|	10.63	105.167	0.00	0.85	7.267	O	|	|	|	|	10.29
100.083	0.00	0.86	7.627	O	|	|	|	|	10.62	105.250	0.00	0.85	7.261	O	|	|	|	|	10.28
100.167	0.00	0.86	7.621	O	|	|	|	|	10.62	105.333	0.00	0.85	7.255	O	|	|	|	|	10.27
100.250	0.00	0.86	7.615	O	|	|	|	|	10.61	105.417	0.00	0.85	7.249	O	|	|	|	|	10.27
100.333	0.00	0.86	7.609	O	|	|	|	|	10.60	105.500	0.00	0.85	7.243	O	|	|	|	|	10.26
100.417	0.00	0.86	7.603	O	|	|	|	|	10.60	105.583	0.00	0.85	7.237	O	|	|	|	|	10.26
100.500	0.00	0.86	7.597	O	|	|	|	|	10.59	105.667	0.00	0.85	7.232	O	|	|	|	|	10.25
100.583	0.00	0.86	7.591	O	|	|	|	|	10.59	105.750	0.00	0.85	7.226	O	|	|	|	|	10.25
100.667	0.00	0.86	7.586	O	|	|	|	|	10.58	105.833	0.00	0.85	7.220	O	|	|	|	|	10.24
100.750	0.00	0.86	7.580	O	|	|	|	|	10.58	105.917	0.00	0.85	7.214	O	|	|	|	|	10.24

106.000	0.00	0.85	7.208	O	|	|	|	|	10.23	111.167	0.00	0.83	6.849	O	|	|	|	|	9.89
106.083	0.00	0.85	7.202	O	|	|	|	|	10.23	111.250	0.00	0.83	6.843	O	|	|	|	|	9.88
106.167	0.00	0.85	7.196	O	|	|	|	|	10.22	111.333	0.00	0.83	6.837	O	|	|	|	|	9.88
106.250	0.00	0.85	7.191	O	|	|	|	|	10.21	111.417	0.00	0.83	6.832	O	|	|	|	|	9.87
106.333	0.00	0.85	7.185	O	|	|	|	|	10.21	111.500	0.00	0.83	6.826	O	|	|	|	|	9.87
106.417	0.00	0.85	7.179	O	|	|	|	|	10.20	111.583	0.00	0.83	6.820	O	|	|	|	|	9.86
106.500	0.00	0.85	7.173	O	|	|	|	|	10.20	111.667	0.00	0.83	6.814	O	|	|	|	|	9.85
106.583	0.00	0.85	7.167	O	|	|	|	|	10.19	111.750	0.00	0.83	6.809	O	|	|	|	|	9.85
106.667	0.00	0.85	7.161	O	|	|	|	|	10.19	111.833	0.00	0.83	6.803	O	|	|	|	|	9.84
106.750	0.00	0.85	7.156	O	|	|	|	|	10.18	111.917	0.00	0.83	6.797	O	|	|	|	|	9.84
106.833	0.00	0.85	7.150	O	|	|	|	|	10.18	112.000	0.00	0.83	6.792	O	|	|	|	|	9.83
106.917	0.00	0.85	7.144	O	|	|	|	|	10.17	112.083	0.00	0.83	6.786	O	|	|	|	|	9.83
107.000	0.00	0.85	7.138	O	|	|	|	|	10.17	112.167	0.00	0.83	6.780	O	|	|	|	|	9.82
107.083	0.00	0.85	7.132	O	|	|	|	|	10.16	112.250	0.00	0.83	6.775	O	|	|	|	|	9.82
107.167	0.00	0.85	7.126	O	|	|	|	|	10.15	112.333	0.00	0.82	6.769	O	|	|	|	|	9.81
107.250	0.00	0.85	7.121	O	|	|	|	|	10.15	112.417	0.00	0.82	6.763	O	|	|	|	|	9.80
107.333	0.00	0.85	7.115	O	|	|	|	|	10.14	112.500	0.00	0.82	6.757	O	|	|	|	|	9.80
107.417	0.00	0.85	7.109	O	|	|	|	|	10.14	112.583	0.00	0.82	6.752	O	|	|	|	|	9.79
107.500	0.00	0.85	7.103	O	|	|	|	|	10.13	112.667	0.00	0.82	6.746	O	|	|	|	|	9.79
107.583	0.00	0.85	7.097	O	|	|	|	|	10.13	112.750	0.00	0.82	6.740	O	|	|	|	|	9.78
107.667	0.00	0.84	7.091	O	|	|	|	|	10.12	112.833	0.00	0.82	6.735	O	|	|	|	|	9.78
107.750	0.00	0.84	7.086	O	|	|	|	|	10.12	112.917	0.00	0.82	6.729	O	|	|	|	|	9.77
107.833	0.00	0.84	7.080	O	|	|	|	|	10.11	113.000	0.00	0.82	6.724	O	|	|	|	|	9.76
107.917	0.00	0.84	7.074	O	|	|	|	|	10.11	113.083	0.00	0.82	6.718	O	|	|	|	|	9.76
108.000	0.00	0.84	7.068	O	|	|	|	|	10.10	113.167	0.00	0.82	6.712	O	|	|	|	|	9.75
108.083	0.00	0.84	7.062	O	|	|	|	|	10.10	113.250	0.00	0.82	6.707	O	|	|	|	|	9.75
108.167	0.00	0.84	7.057	O	|	|	|	|	10.09	113.333	0.00	0.82	6.701	O	|	|	|	|	9.74
108.250	0.00	0.84	7.051	O	|	|	|	|	10.08	113.417	0.00	0.82	6.695	O	|	|	|	|	9.74
108.333	0.00	0.84	7.045	O	|	|	|	|	10.08	113.500	0.00	0.82	6.690	O	|	|	|	|	9.73
108.417	0.00	0.84	7.039	O	|	|	|	|	10.07	113.583	0.00	0.82	6.684	O	|	|	|	|	9.72
108.500	0.00	0.84	7.033	O	|	|	|	|	10.07	113.667	0.00	0.82	6.678	O	|	|	|	|	9.72
108.583	0.00	0.84	7.028	O	|	|	|	|	10.06	113.750	0.00	0.82	6.673	O	|	|	|	|	9.71
108.667	0.00	0.84	7.022	O	|	|	|	|	10.06	113.833	0.00	0.82	6.667	O	|	|	|	|	9.71
108.750	0.00	0.84	7.016	O	|	|	|	|	10.05	113.917	0.00	0.82	6.661	O	|	|	|	|	9.70
108.833	0.00	0.84	7.010	O	|	|	|	|	10.05	114.000	0.00	0.82	6.656	O	|	|	|	|	9.70
108.917	0.00	0.84	7.004	O	|	|	|	|	10.04	114.083	0.00	0.82	6.650	O	|	|	|	|	9.69
109.000	0.00	0.84	6.999	O	|	|	|	|	10.04	114.167	0.00	0.81	6.645	O	|	|	|	|	9.69
109.083	0.00	0.84	6.993	O	|	|	|	|	10.03	114.250	0.00	0.81	6.639	O	|	|	|	|	9.68
109.167	0.00	0.84	6.987	O	|	|	|	|	10.03	114.333	0.00	0.81	6.633	O	|	|	|	|	9.67
109.250	0.00	0.84	6.981	O	|	|	|	|	10.02	114.417	0.00	0.81	6.628	O	|	|	|	|	9.67
109.333	0.00	0.84	6.975	O	|	|	|	|	10.01	114.500	0.00	0.81	6.622	O	|	|	|	|	9.66
109.417	0.00	0.84	6.970	O	|	|	|	|	10.01	114.583	0.00	0.81	6.617	O	|	|	|	|	9.66
109.500	0.00	0.84	6.964	O	|	|	|	|	10.00	114.667	0.00	0.81	6.611	O	|	|	|	|	9.65
109.583	0.00	0.84	6.958	O	|	|	|	|	10.00	114.750	0.00	0.81	6.605	O	|	|	|	|	9.65
109.667	0.00	0.84	6.952	O	|	|	|	|	9.99	114.833	0.00	0.81	6.600	O	|	|	|	|	9.64
109.750	0.00	0.84	6.946	O	|	|	|	|	9.99	114.917	0.00	0.81	6.594	O	|	|	|	|	9.64
109.833	0.00	0.84	6.941	O	|	|	|	|	9.98	115.000	0.00	0.81	6.589	O	|	|	|	|	9.63
109.917	0.00	0.84	6.935	O	|	|	|	|	9.97	115.083	0.00	0.81	6.583	O	|	|	|	|	9.62
110.000	0.00	0.84	6.929	O	|	|	|	|	9.97	115.167	0.00	0.81	6.578	O	|	|	|	|	9.62
110.083	0.00	0.84	6.923	O	|	|	|	|	9.96	115.250	0.00	0.81	6.572	O	|	|	|	|	9.61
110.167	0.00	0.84	6.918	O	|	|	|	|	9.96	115.333	0.00	0.81	6.566	O	|	|	|	|	9.61
110.250	0.00	0.84	6.912	O	|	|	|	|	9.95	115.417	0.00	0.81	6.561	O	|	|	|	|	9.60
110.333	0.00	0.84	6.906	O	|	|	|	|	9.95	115.500	0.00	0.81	6.555	O	|	|	|	|	9.60
110.417	0.00	0.84	6.900	O	|	|	|	|	9.94	115.583	0.00	0.81	6.550	O	|	|	|	|	9.59
110.500	0.00	0.83	6.895	O	|	|	|	|	9.93	115.667	0.00	0.81	6.544	O	|	|	|	|	9.59
110.583	0.00	0.83	6.889	O	|	|	|	|	9.93	115.750	0.00	0.81	6.539	O	|	|	|	|	9.58
110.667	0.00	0.83	6.883	O	|	|	|	|	9.92	115.833	0.00	0.81	6.533	O	|	|	|	|	9.57
110.750	0.00	0.83	6.877	O	|	|	|	|	9.92	115.917	0.00	0.81	6.527	O	|	|	|	|	9.57
110.833	0.00	0.83	6.872	O	|	|	|	|	9.91	116.000	0.00	0.81	6.522	O	|	|	|	|	9.56
110.917	0.00	0.83	6.866	O	|	|	|	|	9.91	116.083	0.00	0.80	6.516	O	|	|	|	|	9.56
111.000	0.00	0.83	6.860	O	|	|	|	|	9.90	116.167	0.00	0.80	6.511	O	|	|	|	|	9.55
111.083	0.00	0.83	6.854	O	|	|	|	|	9.89	116.250	0.00	0.80	6.505	O	|	|	|	|	9.55

116.333	0.00	0.80	6.500	O					9.54	121.500	0.00	0.78	6.163	O					9.20
116.417	0.00	0.80	6.494	O					9.54	121.583	0.00	0.78	6.157	O					9.20
116.500	0.00	0.80	6.489	O					9.53	121.667	0.00	0.78	6.152	O					9.19
116.583	0.00	0.80	6.483	O					9.52	121.750	0.00	0.78	6.147	O					9.19
116.667	0.00	0.80	6.478	O					9.52	121.833	0.00	0.77	6.141	O					9.18
116.750	0.00	0.80	6.472	O					9.51	121.917	0.00	0.77	6.136	O					9.18
116.833	0.00	0.80	6.467	O					9.51	122.000	0.00	0.77	6.131	O					9.17
116.917	0.00	0.80	6.461	O					9.50	122.083	0.00	0.77	6.125	O					9.17
117.000	0.00	0.80	6.456	O					9.50	122.167	0.00	0.77	6.120	O					9.16
117.083	0.00	0.80	6.450	O					9.49	122.250	0.00	0.77	6.115	O					9.16
117.167	0.00	0.80	6.445	O					9.49	122.333	0.00	0.77	6.109	O					9.15
117.250	0.00	0.80	6.439	O					9.48	122.417	0.00	0.77	6.104	O					9.15
117.333	0.00	0.80	6.434	O					9.48	122.500	0.00	0.77	6.099	O					9.14
117.417	0.00	0.80	6.428	O					9.47	122.583	0.00	0.77	6.093	O					9.14
117.500	0.00	0.80	6.423	O					9.46	122.667	0.00	0.77	6.088	O					9.13
117.583	0.00	0.80	6.417	O					9.46	122.750	0.00	0.77	6.083	O					9.13
117.667	0.00	0.80	6.412	O					9.45	122.833	0.00	0.77	6.077	O					9.12
117.750	0.00	0.80	6.406	O					9.45	122.917	0.00	0.77	6.072	O					9.11
117.833	0.00	0.80	6.401	O					9.44	123.000	0.00	0.77	6.067	O					9.11
117.917	0.00	0.79	6.395	O					9.44	123.083	0.00	0.77	6.061	O					9.10
118.000	0.00	0.79	6.390	O					9.43	123.167	0.00	0.77	6.056	O					9.10
118.083	0.00	0.79	6.384	O					9.43	123.250	0.00	0.77	6.051	O					9.09
118.167	0.00	0.79	6.379	O					9.42	123.333	0.00	0.77	6.046	O					9.09
118.250	0.00	0.79	6.373	O					9.42	123.417	0.00	0.77	6.040	O					9.08
118.333	0.00	0.79	6.368	O					9.41	123.500	0.00	0.77	6.035	O					9.08
118.417	0.00	0.79	6.362	O					9.40	123.583	0.00	0.77	6.030	O					9.07
118.500	0.00	0.79	6.357	O					9.40	123.667	0.00	0.77	6.025	O					9.07
118.583	0.00	0.79	6.351	O					9.39	123.750	0.00	0.76	6.019	O					9.06
118.667	0.00	0.79	6.346	O					9.39	123.833	0.00	0.76	6.014	O					9.06
118.750	0.00	0.79	6.341	O					9.38	123.917	0.00	0.76	6.009	O					9.05
118.833	0.00	0.79	6.335	O					9.38	124.000	0.00	0.76	6.003	O					9.05
118.917	0.00	0.79	6.330	O					9.37	124.083	0.00	0.76	5.998	O					9.04
119.000	0.00	0.79	6.324	O					9.37	124.167	0.00	0.76	5.993	O					9.04
119.083	0.00	0.79	6.319	O					9.36	124.250	0.00	0.76	5.988	O					9.03
119.167	0.00	0.79	6.313	O					9.36	124.333	0.00	0.76	5.982	O					9.03
119.250	0.00	0.79	6.308	O					9.35	124.417	0.00	0.76	5.977	O					9.02
119.333	0.00	0.79	6.303	O					9.34	124.500	0.00	0.76	5.972	O					9.01
119.417	0.00	0.79	6.297	O					9.34	124.583	0.00	0.76	5.967	O					9.01
119.500	0.00	0.79	6.292	O					9.33	124.667	0.00	0.76	5.961	O					9.00
119.583	0.00	0.79	6.286	O					9.33	124.750	0.00	0.76	5.956	O					9.00
119.667	0.00	0.79	6.281	O					9.32	124.833	0.00	0.76	5.951	O					8.99
119.750	0.00	0.79	6.275	O					9.32	124.917	0.00	0.76	5.946	O					8.99
119.833	0.00	0.78	6.270	O					9.31	125.000	0.00	0.76	5.941	O					8.98
119.917	0.00	0.78	6.265	O					9.31	125.083	0.00	0.76	5.935	O					8.98
120.000	0.00	0.78	6.259	O					9.30	125.167	0.00	0.76	5.930	O					8.97
120.083	0.00	0.78	6.254	O					9.30	125.250	0.00	0.76	5.925	O					8.97
120.167	0.00	0.78	6.248	O					9.29	125.333	0.00	0.76	5.920	O					8.96
120.250	0.00	0.78	6.243	O					9.29	125.417	0.00	0.76	5.914	O					8.95
120.333	0.00	0.78	6.238	O					9.28	125.500	0.00	0.76	5.909	O					8.95
120.417	0.00	0.78	6.232	O					9.27	125.583	0.00	0.76	5.904	O					8.94
120.500	0.00	0.78	6.227	O					9.27	125.667	0.00	0.76	5.899	O					8.94
120.583	0.00	0.78	6.222	O					9.26	125.750	0.00	0.76	5.894	O					8.93
120.667	0.00	0.78	6.216	O					9.26	125.833	0.00	0.76	5.888	O					8.93
120.750	0.00	0.78	6.211	O					9.25	125.917	0.00	0.76	5.883	O					8.92
120.833	0.00	0.78	6.205	O					9.25	126.000	0.00	0.76	5.878	O					8.91
120.917	0.00	0.78	6.200	O					9.24	126.083	0.00	0.76	5.873	O					8.91
121.000	0.00	0.78	6.195	O					9.24	126.167	0.00	0.76	5.868	O					8.90
121.083	0.00	0.78	6.189	O					9.23	126.250	0.00	0.75	5.862	O					8.90
121.167	0.00	0.78	6.184	O					9.23	126.333	0.00	0.75	5.857	O					8.89
121.250	0.00	0.78	6.179	O					9.22	126.417	0.00	0.75	5.852	O					8.89
121.333	0.00	0.78	6.173	O					9.22	126.500	0.00	0.75	5.847	O					8.88
121.417	0.00	0.78	6.168	O					9.21	126.583	0.00	0.75	5.842	O					8.88

126.667	0.00	0.75	5.836	O	|	|	|	|	8.87	131.833	0.00	0.74	5.518	O	|	|	|	|	8.53
126.750	0.00	0.75	5.831	O	|	|	|	|	8.86	131.917	0.00	0.74	5.513	O	|	|	|	|	8.52
126.833	0.00	0.75	5.826	O	|	|	|	|	8.86	132.000	0.00	0.74	5.508	O	|	|	|	|	8.52
126.917	0.00	0.75	5.821	O	|	|	|	|	8.85	132.083	0.00	0.74	5.503	O	|	|	|	|	8.51
127.000	0.00	0.75	5.816	O	|	|	|	|	8.85	132.167	0.00	0.74	5.498	O	|	|	|	|	8.51
127.083	0.00	0.75	5.810	O	|	|	|	|	8.84	132.250	0.00	0.74	5.493	O	|	|	|	|	8.50
127.167	0.00	0.75	5.805	O	|	|	|	|	8.84	132.333	0.00	0.73	5.488	O	|	|	|	|	8.50
127.250	0.00	0.75	5.800	O	|	|	|	|	8.83	132.417	0.00	0.73	5.483	O	|	|	|	|	8.49
127.333	0.00	0.75	5.795	O	|	|	|	|	8.83	132.500	0.00	0.73	5.478	O	|	|	|	|	8.48
127.417	0.00	0.75	5.790	O	|	|	|	|	8.82	132.583	0.00	0.73	5.473	O	|	|	|	|	8.48
127.500	0.00	0.75	5.785	O	|	|	|	|	8.81	132.667	0.00	0.73	5.468	O	|	|	|	|	8.47
127.583	0.00	0.75	5.779	O	|	|	|	|	8.81	132.750	0.00	0.73	5.463	O	|	|	|	|	8.47
127.667	0.00	0.75	5.774	O	|	|	|	|	8.80	132.833	0.00	0.73	5.458	O	|	|	|	|	8.46
127.750	0.00	0.75	5.769	O	|	|	|	|	8.80	132.917	0.00	0.73	5.453	O	|	|	|	|	8.46
127.833	0.00	0.75	5.764	O	|	|	|	|	8.79	133.000	0.00	0.73	5.447	O	|	|	|	|	8.45
127.917	0.00	0.75	5.759	O	|	|	|	|	8.79	133.083	0.00	0.73	5.442	O	|	|	|	|	8.45
128.000	0.00	0.75	5.754	O	|	|	|	|	8.78	133.167	0.00	0.73	5.437	O	|	|	|	|	8.44
128.083	0.00	0.75	5.748	O	|	|	|	|	8.78	133.250	0.00	0.73	5.432	O	|	|	|	|	8.44
128.167	0.00	0.75	5.743	O	|	|	|	|	8.77	133.333	0.00	0.73	5.427	O	|	|	|	|	8.43
128.250	0.00	0.75	5.738	O	|	|	|	|	8.76	133.417	0.00	0.73	5.422	O	|	|	|	|	8.42
128.333	0.00	0.75	5.733	O	|	|	|	|	8.76	133.500	0.00	0.73	5.417	O	|	|	|	|	8.42
128.417	0.00	0.75	5.728	O	|	|	|	|	8.75	133.583	0.00	0.73	5.412	O	|	|	|	|	8.41
128.500	0.00	0.75	5.723	O	|	|	|	|	8.75	133.667	0.00	0.73	5.407	O	|	|	|	|	8.41
128.583	0.00	0.75	5.718	O	|	|	|	|	8.74	133.750	0.00	0.73	5.402	O	|	|	|	|	8.40
128.667	0.00	0.75	5.712	O	|	|	|	|	8.74	133.833	0.00	0.73	5.397	O	|	|	|	|	8.40
128.750	0.00	0.75	5.707	O	|	|	|	|	8.73	133.917	0.00	0.73	5.392	O	|	|	|	|	8.39
128.833	0.00	0.75	5.702	O	|	|	|	|	8.73	134.000	0.00	0.73	5.387	O	|	|	|	|	8.39
128.917	0.00	0.75	5.697	O	|	|	|	|	8.72	134.083	0.00	0.73	5.382	O	|	|	|	|	8.38
129.000	0.00	0.75	5.692	O	|	|	|	|	8.71	134.167	0.00	0.73	5.377	O	|	|	|	|	8.38
129.083	0.00	0.75	5.687	O	|	|	|	|	8.71	134.250	0.00	0.73	5.372	O	|	|	|	|	8.37
129.167	0.00	0.75	5.682	O	|	|	|	|	8.70	134.333	0.00	0.73	5.367	O	|	|	|	|	8.36
129.250	0.00	0.74	5.676	O	|	|	|	|	8.70	134.417	0.00	0.73	5.362	O	|	|	|	|	8.36
129.333	0.00	0.74	5.671	O	|	|	|	|	8.69	134.500	0.00	0.73	5.357	O	|	|	|	|	8.35
129.417	0.00	0.74	5.666	O	|	|	|	|	8.69	134.583	0.00	0.73	5.352	O	|	|	|	|	8.35
129.500	0.00	0.74	5.661	O	|	|	|	|	8.68	134.667	0.00	0.73	5.347	O	|	|	|	|	8.34
129.583	0.00	0.74	5.656	O	|	|	|	|	8.68	134.750	0.00	0.73	5.342	O	|	|	|	|	8.34
129.667	0.00	0.74	5.651	O	|	|	|	|	8.67	134.833	0.00	0.73	5.337	O	|	|	|	|	8.33
129.750	0.00	0.74	5.646	O	|	|	|	|	8.66	134.917	0.00	0.73	5.332	O	|	|	|	|	8.33
129.833	0.00	0.74	5.641	O	|	|	|	|	8.66	135.000	0.00	0.73	5.327	O	|	|	|	|	8.32
129.917	0.00	0.74	5.635	O	|	|	|	|	8.65	135.083	0.00	0.73	5.322	O	|	|	|	|	8.32
130.000	0.00	0.74	5.630	O	|	|	|	|	8.65	135.167	0.00	0.73	5.317	O	|	|	|	|	8.31
130.083	0.00	0.74	5.625	O	|	|	|	|	8.64	135.250	0.00	0.73	5.312	O	|	|	|	|	8.31
130.167	0.00	0.74	5.620	O	|	|	|	|	8.64	135.333	0.00	0.73	5.307	O	|	|	|	|	8.30
130.250	0.00	0.74	5.615	O	|	|	|	|	8.63	135.417	0.00	0.72	5.302	O	|	|	|	|	8.29
130.333	0.00	0.74	5.610	O	|	|	|	|	8.63	135.500	0.00	0.72	5.297	O	|	|	|	|	8.29
130.417	0.00	0.74	5.605	O	|	|	|	|	8.62	135.583	0.00	0.72	5.292	O	|	|	|	|	8.28
130.500	0.00	0.74	5.600	O	|	|	|	|	8.62	135.667	0.00	0.72	5.287	O	|	|	|	|	8.28
130.583	0.00	0.74	5.595	O	|	|	|	|	8.61	135.750	0.00	0.72	5.282	O	|	|	|	|	8.27
130.667	0.00	0.74	5.589	O	|	|	|	|	8.60	135.833	0.00	0.72	5.277	O	|	|	|	|	8.27
130.750	0.00	0.74	5.584	O	|	|	|	|	8.60	135.917	0.00	0.72	5.272	O	|	|	|	|	8.26
130.833	0.00	0.74	5.579	O	|	|	|	|	8.59	136.000	0.00	0.72	5.267	O	|	|	|	|	8.26
130.917	0.00	0.74	5.574	O	|	|	|	|	8.59	136.083	0.00	0.72	5.262	O	|	|	|	|	8.25
131.000	0.00	0.74	5.569	O	|	|	|	|	8.58	136.167	0.00	0.72	5.257	O	|	|	|	|	8.25
131.083	0.00	0.74	5.564	O	|	|	|	|	8.58	136.250	0.00	0.72	5.252	O	|	|	|	|	8.24
131.167	0.00	0.74	5.559	O	|	|	|	|	8.57	136.333	0.00	0.72	5.247	O	|	|	|	|	8.24
131.250	0.00	0.74	5.554	O	|	|	|	|	8.57	136.417	0.00	0.72	5.242	O	|	|	|	|	8.23
131.333	0.00	0.74	5.549	O	|	|	|	|	8.56	136.500	0.00	0.72	5.237	O	|	|	|	|	8.23
131.417	0.00	0.74	5.544	O	|	|	|	|	8.56	136.583	0.00	0.72	5.232	O	|	|	|	|	8.22
131.500	0.00	0.74	5.539	O	|	|	|	|	8.55	136.667	0.00	0.72	5.227	O	|	|	|	|	8.21
131.583	0.00	0.74	5.534	O	|	|	|	|	8.54	136.750	0.00	0.72	5.222	O	|	|	|	|	8.21
131.667	0.00	0.74	5.528	O	|	|	|	|	8.54	136.833	0.00	0.72	5.217	O	|	|	|	|	8.20
131.750	0.00	0.74	5.523	O	|	|	|	|	8.53	136.917	0.00	0.72	5.212	O	|	|	|	|	8.20

137.000	0.00	0.72	5.207	O	|	|	|	|	8.19	142.167	0.00	0.70	4.904	O	|	|	|	|	7.85
137.083	0.00	0.72	5.202	O	|	|	|	|	8.19	142.250	0.00	0.70	4.899	O	|	|	|	|	7.85
137.167	0.00	0.72	5.198	O	|	|	|	|	8.18	142.333	0.00	0.70	4.894	O	|	|	|	|	7.84
137.250	0.00	0.72	5.193	O	|	|	|	|	8.18	142.417	0.00	0.70	4.889	O	|	|	|	|	7.84
137.333	0.00	0.72	5.188	O	|	|	|	|	8.17	142.500	0.00	0.70	4.884	O	|	|	|	|	7.83
137.417	0.00	0.72	5.183	O	|	|	|	|	8.17	142.583	0.00	0.70	4.879	O	|	|	|	|	7.83
137.500	0.00	0.72	5.178	O	|	|	|	|	8.16	142.667	0.00	0.70	4.874	O	|	|	|	|	7.82
137.583	0.00	0.72	5.173	O	|	|	|	|	8.16	142.750	0.00	0.70	4.870	O	|	|	|	|	7.82
137.667	0.00	0.72	5.168	O	|	|	|	|	8.15	142.833	0.00	0.70	4.865	O	|	|	|	|	7.81
137.750	0.00	0.72	5.163	O	|	|	|	|	8.15	142.917	0.00	0.70	4.860	O	|	|	|	|	7.80
137.833	0.00	0.72	5.158	O	|	|	|	|	8.14	143.000	0.00	0.70	4.855	O	|	|	|	|	7.80
137.917	0.00	0.72	5.153	O	|	|	|	|	8.13	143.083	0.00	0.70	4.850	O	|	|	|	|	7.79
138.000	0.00	0.72	5.148	O	|	|	|	|	8.13	143.167	0.00	0.70	4.845	O	|	|	|	|	7.79
138.083	0.00	0.72	5.143	O	|	|	|	|	8.12	143.250	0.00	0.70	4.841	O	|	|	|	|	7.78
138.167	0.00	0.72	5.138	O	|	|	|	|	8.12	143.333	0.00	0.70	4.836	O	|	|	|	|	7.78
138.250	0.00	0.72	5.133	O	|	|	|	|	8.11	143.417	0.00	0.70	4.831	O	|	|	|	|	7.77
138.333	0.00	0.72	5.128	O	|	|	|	|	8.11	143.500	0.00	0.70	4.826	O	|	|	|	|	7.76
138.417	0.00	0.72	5.123	O	|	|	|	|	8.10	143.583	0.00	0.70	4.821	O	|	|	|	|	7.76
138.500	0.00	0.71	5.119	O	|	|	|	|	8.10	143.667	0.00	0.70	4.817	O	|	|	|	|	7.75
138.583	0.00	0.71	5.114	O	|	|	|	|	8.09	143.750	0.00	0.70	4.812	O	|	|	|	|	7.75
138.667	0.00	0.71	5.109	O	|	|	|	|	8.09	143.833	0.00	0.70	4.807	O	|	|	|	|	7.74
138.750	0.00	0.71	5.104	O	|	|	|	|	8.08	143.917	0.00	0.70	4.802	O	|	|	|	|	7.74
138.833	0.00	0.71	5.099	O	|	|	|	|	8.08	144.000	0.00	0.70	4.797	O	|	|	|	|	7.73
138.917	0.00	0.71	5.094	O	|	|	|	|	8.07	144.083	0.00	0.70	4.792	O	|	|	|	|	7.73
139.000	0.00	0.71	5.089	O	|	|	|	|	8.07	144.167	0.00	0.70	4.788	O	|	|	|	|	7.72
139.083	0.00	0.71	5.084	O	|	|	|	|	8.06	144.250	0.00	0.70	4.783	O	|	|	|	|	7.71
139.167	0.00	0.71	5.079	O	|	|	|	|	8.06	144.333	0.00	0.70	4.778	O	|	|	|	|	7.71
139.250	0.00	0.71	5.074	O	|	|	|	|	8.05	144.417	0.00	0.70	4.773	O	|	|	|	|	7.70
139.333	0.00	0.71	5.069	O	|	|	|	|	8.04	144.500	0.00	0.70	4.768	O	|	|	|	|	7.70
139.417	0.00	0.71	5.064	O	|	|	|	|	8.04	144.583	0.00	0.70	4.764	O	|	|	|	|	7.69
139.500	0.00	0.71	5.060	O	|	|	|	|	8.03	144.667	0.00	0.70	4.759	O	|	|	|	|	7.69
139.583	0.00	0.71	5.055	O	|	|	|	|	8.03	144.750	0.00	0.70	4.754	O	|	|	|	|	7.68
139.667	0.00	0.71	5.050	O	|	|	|	|	8.02	144.833	0.00	0.70	4.749	O	|	|	|	|	7.67
139.750	0.00	0.71	5.045	O	|	|	|	|	8.02	144.917	0.00	0.70	4.744	O	|	|	|	|	7.67
139.833	0.00	0.71	5.040	O	|	|	|	|	8.01	145.000	0.00	0.70	4.740	O	|	|	|	|	7.66
139.917	0.00	0.71	5.035	O	|	|	|	|	8.01	145.083	0.00	0.70	4.735	O	|	|	|	|	7.66
140.000	0.00	0.71	5.030	O	|	|	|	|	8.00	145.167	0.00	0.70	4.730	O	|	|	|	|	7.65
140.083	0.00	0.71	5.025	O	|	|	|	|	8.00	145.250	0.00	0.70	4.725	O	|	|	|	|	7.65
140.167	0.00	0.71	5.020	O	|	|	|	|	7.99	145.333	0.00	0.70	4.720	O	|	|	|	|	7.64
140.250	0.00	0.71	5.016	O	|	|	|	|	7.99	145.417	0.00	0.70	4.716	O	|	|	|	|	7.64
140.333	0.00	0.71	5.011	O	|	|	|	|	7.98	145.500	0.00	0.70	4.711	O	|	|	|	|	7.63
140.417	0.00	0.71	5.006	O	|	|	|	|	7.97	145.583	0.00	0.69	4.706	O	|	|	|	|	7.62
140.500	0.00	0.71	5.001	O	|	|	|	|	7.97	145.667	0.00	0.69	4.701	O	|	|	|	|	7.62
140.583	0.00	0.71	4.996	O	|	|	|	|	7.96	145.750	0.00	0.69	4.696	O	|	|	|	|	7.61
140.667	0.00	0.71	4.991	O	|	|	|	|	7.96	145.833	0.00	0.69	4.692	O	|	|	|	|	7.61
140.750	0.00	0.71	4.986	O	|	|	|	|	7.95	145.917	0.00	0.69	4.687	O	|	|	|	|	7.60
140.833	0.00	0.71	4.981	O	|	|	|	|	7.95	146.000	0.00	0.69	4.682	O	|	|	|	|	7.60
140.917	0.00	0.71	4.976	O	|	|	|	|	7.94	146.083	0.00	0.69	4.677	O	|	|	|	|	7.59
141.000	0.00	0.71	4.972	O	|	|	|	|	7.93	146.167	0.00	0.69	4.673	O	|	|	|	|	7.59
141.083	0.00	0.71	4.967	O	|	|	|	|	7.93	146.250	0.00	0.69	4.668	O	|	|	|	|	7.58
141.167	0.00	0.71	4.962	O	|	|	|	|	7.92	146.333	0.00	0.69	4.663	O	|	|	|	|	7.57
141.250	0.00	0.71	4.957	O	|	|	|	|	7.92	146.417	0.00	0.69	4.658	O	|	|	|	|	7.57
141.333	0.00	0.71	4.952	O	|	|	|	|	7.91	146.500	0.00	0.69	4.653	O	|	|	|	|	7.56
141.417	0.00	0.71	4.947	O	|	|	|	|	7.91	146.583	0.00	0.69	4.649	O	|	|	|	|	7.56
141.500	0.00	0.71	4.942	O	|	|	|	|	7.90	146.667	0.00	0.69	4.644	O	|	|	|	|	7.55
141.583	0.00	0.71	4.938	O	|	|	|	|	7.89	146.750	0.00	0.69	4.639	O	|	|	|	|	7.55
141.667	0.00	0.71	4.933	O	|	|	|	|	7.89	146.833	0.00	0.69	4.634	O	|	|	|	|	7.54
141.750	0.00	0.71	4.928	O	|	|	|	|	7.88	146.917	0.00	0.69	4.630	O	|	|	|	|	7.54
141.833	0.00	0.71	4.923	O	|	|	|	|	7.88	147.000	0.00	0.69	4.625	O	|	|	|	|	7.53
141.917	0.00	0.70	4.918	O	|	|	|	|	7.87	147.083	0.00	0.69	4.620	O	|	|	|	|	7.52
142.000	0.00	0.70	4.913	O	|	|	|	|	7.87	147.167	0.00	0.69	4.615	O	|	|	|	|	7.52
142.083	0.00	0.70	4.908	O	|	|	|	|	7.86	147.250	0.00	0.69	4.611	O	|	|	|	|	7.51

147.333	0.00	0.69	4.606	O					7.51	152.500	0.00	0.68	4.314	O					7.17
147.417	0.00	0.69	4.601	O					7.50	152.583	0.00	0.68	4.309	O					7.16
147.500	0.00	0.69	4.596	O					7.50	152.667	0.00	0.68	4.305	O					7.16
147.583	0.00	0.69	4.592	O					7.49	152.750	0.00	0.68	4.300	O					7.15
147.667	0.00	0.69	4.587	O					7.49	152.833	0.00	0.68	4.295	O					7.15
147.750	0.00	0.69	4.582	O					7.48	152.917	0.00	0.68	4.291	O					7.14
147.833	0.00	0.69	4.577	O					7.47	153.000	0.00	0.68	4.286	O					7.13
147.917	0.00	0.69	4.573	O					7.47	153.083	0.00	0.68	4.281	O					7.13
148.000	0.00	0.69	4.568	O					7.46	153.167	0.00	0.67	4.277	O					7.12
148.083	0.00	0.69	4.563	O					7.46	153.250	0.00	0.67	4.272	O					7.12
148.167	0.00	0.69	4.558	O					7.45	153.333	0.00	0.67	4.267	O					7.11
148.250	0.00	0.69	4.554	O					7.45	153.417	0.00	0.67	4.263	O					7.11
148.333	0.00	0.69	4.549	O					7.44	153.500	0.00	0.67	4.258	O					7.10
148.417	0.00	0.69	4.544	O					7.44	153.583	0.00	0.67	4.254	O					7.10
148.500	0.00	0.69	4.539	O					7.43	153.667	0.00	0.67	4.249	O					7.09
148.583	0.00	0.69	4.535	O					7.42	153.750	0.00	0.67	4.244	O					7.09
148.667	0.00	0.69	4.530	O					7.42	153.833	0.00	0.67	4.240	O					7.08
148.750	0.00	0.69	4.525	O					7.41	153.917	0.00	0.67	4.235	O					7.07
148.833	0.00	0.69	4.521	O					7.41	154.000	0.00	0.67	4.230	O					7.07
148.917	0.00	0.69	4.516	O					7.40	154.083	0.00	0.67	4.226	O					7.06
149.000	0.00	0.69	4.511	O					7.40	154.167	0.00	0.67	4.221	O					7.06
149.083	0.00	0.69	4.506	O					7.39	154.250	0.00	0.67	4.216	O					7.05
149.167	0.00	0.69	4.502	O					7.39	154.333	0.00	0.67	4.212	O					7.05
149.250	0.00	0.69	4.497	O					7.38	154.417	0.00	0.67	4.207	O					7.04
149.333	0.00	0.68	4.492	O					7.37	154.500	0.00	0.67	4.203	O					7.04
149.417	0.00	0.68	4.487	O					7.37	154.583	0.00	0.67	4.198	O					7.03
149.500	0.00	0.68	4.483	O					7.36	154.667	0.00	0.67	4.193	O					7.03
149.583	0.00	0.68	4.478	O					7.36	154.750	0.00	0.67	4.189	O					7.02
149.667	0.00	0.68	4.473	O					7.35	154.833	0.00	0.67	4.184	O					7.02
149.750	0.00	0.68	4.469	O					7.35	154.917	0.00	0.67	4.179	O					7.01
149.833	0.00	0.68	4.464	O					7.34	155.000	0.00	0.67	4.175	O					7.00
149.917	0.00	0.68	4.459	O					7.34	155.083	0.00	0.67	4.170	O					7.00
150.000	0.00	0.68	4.455	O					7.33	155.167	0.00	0.67	4.166	O					6.99
150.083	0.00	0.68	4.450	O					7.33	155.250	0.00	0.67	4.161	O					6.99
150.167	0.00	0.68	4.445	O					7.32	155.333	0.00	0.67	4.156	O					6.98
150.250	0.00	0.68	4.440	O					7.31	155.417	0.00	0.67	4.152	O					6.98
150.333	0.00	0.68	4.436	O					7.31	155.500	0.00	0.67	4.147	O					6.97
150.417	0.00	0.68	4.431	O					7.30	155.583	0.00	0.67	4.143	O					6.96
150.500	0.00	0.68	4.426	O					7.30	155.667	0.00	0.67	4.138	O					6.96
150.583	0.00	0.68	4.422	O					7.29	155.750	0.00	0.67	4.133	O					6.95
150.667	0.00	0.68	4.417	O					7.29	155.833	0.00	0.67	4.129	O					6.95
150.750	0.00	0.68	4.412	O					7.28	155.917	0.00	0.67	4.124	O					6.94
150.833	0.00	0.68	4.408	O					7.28	156.000	0.00	0.67	4.120	O					6.93
150.917	0.00	0.68	4.403	O					7.27	156.083	0.00	0.67	4.115	O					6.93
151.000	0.00	0.68	4.398	O					7.27	156.167	0.00	0.67	4.110	O					6.92
151.083	0.00	0.68	4.393	O					7.26	156.250	0.00	0.67	4.106	O					6.92
151.167	0.00	0.68	4.389	O					7.25	156.333	0.00	0.67	4.101	O					6.91
151.250	0.00	0.68	4.384	O					7.25	156.417	0.00	0.67	4.097	O					6.91
151.333	0.00	0.68	4.379	O					7.24	156.500	0.00	0.66	4.092	O					6.90
151.417	0.00	0.68	4.375	O					7.24	156.583	0.00	0.66	4.088	O					6.89
151.500	0.00	0.68	4.370	O					7.23	156.667	0.00	0.66	4.083	O					6.89
151.583	0.00	0.68	4.365	O					7.23	156.750	0.00	0.66	4.078	O					6.88
151.667	0.00	0.68	4.361	O					7.22	156.833	0.00	0.66	4.074	O					6.88
151.750	0.00	0.68	4.356	O					7.22	156.917	0.00	0.66	4.069	O					6.87
151.833	0.00	0.68	4.351	O					7.21	157.000	0.00	0.66	4.065	O					6.86
151.917	0.00	0.68	4.347	O					7.20	157.083	0.00	0.66	4.060	O					6.86
152.000	0.00	0.68	4.342	O					7.20	157.167	0.00	0.66	4.056	O					6.85
152.083	0.00	0.68	4.337	O					7.19	157.250	0.00	0.66	4.051	O					6.85
152.167	0.00	0.68	4.333	O					7.19	157.333	0.00	0.66	4.046	O					6.84
152.250	0.00	0.68	4.328	O					7.18	157.417	0.00	0.66	4.042	O					6.84
152.333	0.00	0.68	4.323	O					7.18	157.500	0.00	0.66	4.037	O					6.83
152.417	0.00	0.68	4.319	O					7.17	157.583	0.00	0.66	4.033	O					6.82

157.667	0.00	0.66	4.028	O					6.82	162.833	0.00	0.64	3.750	O					6.46
157.750	0.00	0.66	4.024	O					6.81	162.917	0.00	0.64	3.745	O					6.46
157.833	0.00	0.66	4.019	O					6.81	163.000	0.00	0.64	3.741	O					6.45
157.917	0.00	0.66	4.015	O					6.80	163.083	0.00	0.64	3.737	O					6.45
158.000	0.00	0.66	4.010	O					6.80	163.167	0.00	0.64	3.732	O					6.44
158.083	0.00	0.66	4.005	O					6.79	163.250	0.00	0.64	3.728	O					6.44
158.167	0.00	0.66	4.001	O					6.78	163.333	0.00	0.64	3.723	O					6.43
158.250	0.00	0.66	3.996	O					6.78	163.417	0.00	0.64	3.719	O					6.42
158.333	0.00	0.66	3.992	O					6.77	163.500	0.00	0.64	3.714	O					6.42
158.417	0.00	0.66	3.987	O					6.77	163.583	0.00	0.64	3.710	O					6.41
158.500	0.00	0.66	3.983	O					6.76	163.667	0.00	0.64	3.706	O					6.41
158.583	0.00	0.66	3.978	O					6.75	163.750	0.00	0.64	3.701	O					6.40
158.667	0.00	0.66	3.974	O					6.75	163.833	0.00	0.64	3.697	O					6.40
158.750	0.00	0.66	3.969	O					6.74	163.917	0.00	0.64	3.692	O					6.39
158.833	0.00	0.66	3.965	O					6.74	164.000	0.00	0.64	3.688	O					6.39
158.917	0.00	0.66	3.960	O					6.73	164.083	0.00	0.64	3.684	O					6.38
159.000	0.00	0.66	3.956	O					6.73	164.167	0.00	0.64	3.679	O					6.37
159.083	0.00	0.66	3.951	O					6.72	164.250	0.00	0.64	3.675	O					6.37
159.167	0.00	0.66	3.947	O					6.71	164.333	0.00	0.64	3.670	O					6.36
159.250	0.00	0.66	3.942	O					6.71	164.417	0.00	0.64	3.666	O					6.36
159.333	0.00	0.66	3.938	O					6.70	164.500	0.00	0.64	3.662	O					6.35
159.417	0.00	0.65	3.933	O					6.70	164.583	0.00	0.64	3.657	O					6.35
159.500	0.00	0.65	3.929	O					6.69	164.667	0.00	0.64	3.653	O					6.34
159.583	0.00	0.65	3.924	O					6.69	164.750	0.00	0.64	3.648	O					6.34
159.667	0.00	0.65	3.920	O					6.68	164.833	0.00	0.64	3.644	O					6.33
159.750	0.00	0.65	3.915	O					6.67	164.917	0.00	0.64	3.640	O					6.32
159.833	0.00	0.65	3.911	O					6.67	165.000	0.00	0.64	3.635	O					6.32
159.917	0.00	0.65	3.906	O					6.66	165.083	0.00	0.64	3.631	O					6.31
160.000	0.00	0.65	3.902	O					6.66	165.167	0.00	0.64	3.627	O					6.31
160.083	0.00	0.65	3.897	O					6.65	165.250	0.00	0.64	3.622	O					6.30
160.167	0.00	0.65	3.893	O					6.65	165.333	0.00	0.63	3.618	O					6.30
160.250	0.00	0.65	3.888	O					6.64	165.417	0.00	0.63	3.613	O					6.29
160.333	0.00	0.65	3.884	O					6.63	165.500	0.00	0.63	3.609	O					6.29
160.417	0.00	0.65	3.879	O					6.63	165.583	0.00	0.63	3.605	O					6.28
160.500	0.00	0.65	3.875	O					6.62	165.667	0.00	0.63	3.600	O					6.27
160.583	0.00	0.65	3.870	O					6.62	165.750	0.00	0.63	3.596	O					6.27
160.667	0.00	0.65	3.866	O					6.61	165.833	0.00	0.63	3.592	O					6.26
160.750	0.00	0.65	3.861	O					6.61	165.917	0.00	0.63	3.587	O					6.26
160.833	0.00	0.65	3.857	O					6.60	166.000	0.00	0.63	3.583	O					6.25
160.917	0.00	0.65	3.852	O					6.59	166.083	0.00	0.63	3.578	O					6.25
161.000	0.00	0.65	3.848	O					6.59	166.167	0.00	0.63	3.574	O					6.24
161.083	0.00	0.65	3.843	O					6.58	166.250	0.00	0.63	3.570	O					6.24
161.167	0.00	0.65	3.839	O					6.58	166.333	0.00	0.63	3.565	O					6.23
161.250	0.00	0.65	3.834	O					6.57	166.417	0.00	0.63	3.561	O					6.22
161.333	0.00	0.65	3.830	O					6.57	166.500	0.00	0.63	3.557	O					6.22
161.417	0.00	0.65	3.825	O					6.56	166.583	0.00	0.63	3.552	O					6.21
161.500	0.00	0.65	3.821	O					6.55	166.667	0.00	0.63	3.548	O					6.21
161.583	0.00	0.65	3.816	O					6.55	166.750	0.00	0.63	3.544	O					6.20
161.667	0.00	0.65	3.812	O					6.54	166.833	0.00	0.63	3.539	O					6.20
161.750	0.00	0.65	3.808	O					6.54	166.917	0.00	0.63	3.535	O					6.19
161.833	0.00	0.65	3.803	O					6.53	167.000	0.00	0.63	3.531	O					6.19
161.917	0.00	0.65	3.799	O					6.53	167.083	0.00	0.63	3.526	O					6.18
162.000	0.00	0.65	3.794	O					6.52	167.167	0.00	0.63	3.522	O					6.17
162.083	0.00	0.65	3.790	O					6.51	167.250	0.00	0.63	3.518	O					6.17
162.167	0.00	0.65	3.785	O					6.51	167.333	0.00	0.63	3.513	O					6.16
162.250	0.00	0.65	3.781	O					6.50	167.417	0.00	0.63	3.509	O					6.16
162.333	0.00	0.64	3.776	O					6.50	167.500	0.00	0.63	3.505	O					6.15
162.417	0.00	0.64	3.772	O					6.49	167.583	0.00	0.63	3.500	O					6.15
162.500	0.00	0.64	3.768	O					6.49	167.667	0.00	0.63	3.496	O					6.14
162.583	0.00	0.64	3.763	O					6.48	167.750	0.00	0.63	3.492	O					6.14
162.667	0.00	0.64	3.759	O					6.48	167.833	0.00	0.63	3.487	O					6.13
162.750	0.00	0.64	3.754	O					6.47	167.917	0.00	0.63	3.483	O					6.12

168.000	0.00	0.63	3.479	O					6.12	173.167	0.00	0.61	3.216	O					5.76
168.083	0.00	0.63	3.475	O					6.11	173.250	0.00	0.61	3.211	O					5.76
168.167	0.00	0.63	3.470	O					6.11	173.333	0.00	0.61	3.207	O					5.75
168.250	0.00	0.63	3.466	O					6.10	173.417	0.00	0.60	3.203	O					5.75
168.333	0.00	0.62	3.462	O					6.10	173.500	0.00	0.60	3.199	O					5.74
168.417	0.00	0.62	3.457	O					6.09	173.583	0.00	0.60	3.195	O					5.74
168.500	0.00	0.62	3.453	O					6.09	173.667	0.00	0.60	3.191	O					5.73
168.583	0.00	0.62	3.449	O					6.08	173.750	0.00	0.60	3.186	O					5.72
168.667	0.00	0.62	3.444	O					6.08	173.833	0.00	0.60	3.182	O					5.72
168.750	0.00	0.62	3.440	O					6.07	173.917	0.00	0.60	3.178	O					5.71
168.833	0.00	0.62	3.436	O					6.06	174.000	0.00	0.60	3.174	O					5.71
168.917	0.00	0.62	3.432	O					6.06	174.083	0.00	0.60	3.170	O					5.70
169.000	0.00	0.62	3.427	O					6.05	174.167	0.00	0.60	3.166	O					5.70
169.083	0.00	0.62	3.423	O					6.05	174.250	0.00	0.60	3.162	O					5.69
169.167	0.00	0.62	3.419	O					6.04	174.333	0.00	0.60	3.157	O					5.68
169.250	0.00	0.62	3.414	O					6.04	174.417	0.00	0.60	3.153	O					5.68
169.333	0.00	0.62	3.410	O					6.03	174.500	0.00	0.60	3.149	O					5.67
169.417	0.00	0.62	3.406	O					6.03	174.583	0.00	0.60	3.145	O					5.67
169.500	0.00	0.62	3.402	O					6.02	174.667	0.00	0.60	3.141	O					5.66
169.583	0.00	0.62	3.397	O					6.02	174.750	0.00	0.60	3.137	O					5.66
169.667	0.00	0.62	3.393	O					6.01	174.833	0.00	0.60	3.133	O					5.65
169.750	0.00	0.62	3.389	O					6.00	174.917	0.00	0.60	3.129	O					5.64
169.833	0.00	0.62	3.384	O					6.00	175.000	0.00	0.60	3.124	O					5.64
169.917	0.00	0.62	3.380	O					5.99	175.083	0.00	0.60	3.120	O					5.63
170.000	0.00	0.62	3.376	O					5.99	175.167	0.00	0.60	3.116	O					5.63
170.083	0.00	0.62	3.372	O					5.98	175.250	0.00	0.60	3.112	O					5.62
170.167	0.00	0.62	3.367	O					5.98	175.333	0.00	0.60	3.108	O					5.62
170.250	0.00	0.62	3.363	O					5.97	175.417	0.00	0.60	3.104	O					5.61
170.333	0.00	0.62	3.359	O					5.96	175.500	0.00	0.60	3.100	O					5.60
170.417	0.00	0.62	3.355	O					5.96	175.583	0.00	0.60	3.096	O					5.60
170.500	0.00	0.62	3.350	O					5.95	175.667	0.00	0.60	3.091	O					5.59
170.583	0.00	0.62	3.346	O					5.95	175.750	0.00	0.60	3.087	O					5.59
170.667	0.00	0.62	3.342	O					5.94	175.833	0.00	0.59	3.083	O					5.58
170.750	0.00	0.62	3.338	O					5.93	175.917	0.00	0.59	3.079	O					5.58
170.833	0.00	0.62	3.333	O					5.93	176.000	0.00	0.59	3.075	O					5.57
170.917	0.00	0.62	3.329	O					5.92	176.083	0.00	0.59	3.071	O					5.56
171.000	0.00	0.61	3.325	O					5.92	176.167	0.00	0.59	3.067	O					5.56
171.083	0.00	0.61	3.321	O					5.91	176.250	0.00	0.59	3.063	O					5.55
171.167	0.00	0.61	3.316	O					5.90	176.333	0.00	0.59	3.059	O					5.55
171.250	0.00	0.61	3.312	O					5.90	176.417	0.00	0.59	3.055	O					5.54
171.333	0.00	0.61	3.308	O					5.89	176.500	0.00	0.59	3.051	O					5.54
171.417	0.00	0.61	3.304	O					5.89	176.583	0.00	0.59	3.047	O					5.53
171.500	0.00	0.61	3.300	O					5.88	176.667	0.00	0.59	3.042	O					5.52
171.583	0.00	0.61	3.295	O					5.88	176.750	0.00	0.59	3.038	O					5.52
171.667	0.00	0.61	3.291	O					5.87	176.833	0.00	0.59	3.034	O					5.51
171.750	0.00	0.61	3.287	O					5.86	176.917	0.00	0.59	3.030	O					5.51
171.833	0.00	0.61	3.283	O					5.86	177.000	0.00	0.59	3.026	O					5.50
171.917	0.00	0.61	3.278	O					5.85	177.083	0.00	0.59	3.022	O					5.50
172.000	0.00	0.61	3.274	O					5.85	177.167	0.00	0.59	3.018	O					5.49
172.083	0.00	0.61	3.270	O					5.84	177.250	0.00	0.59	3.014	O					5.48
172.167	0.00	0.61	3.266	O					5.83	177.333	0.00	0.59	3.010	O					5.48
172.250	0.00	0.61	3.262	O					5.83	177.417	0.00	0.59	3.006	O					5.47
172.333	0.00	0.61	3.257	O					5.82	177.500	0.00	0.59	3.002	O					5.47
172.417	0.00	0.61	3.253	O					5.82	177.583	0.00	0.59	2.998	O					5.46
172.500	0.00	0.61	3.249	O					5.81	177.667	0.00	0.59	2.994	O					5.46
172.583	0.00	0.61	3.245	O					5.81	177.750	0.00	0.59	2.990	O					5.45
172.667	0.00	0.61	3.241	O					5.80	177.833	0.00	0.59	2.986	O					5.45
172.750	0.00	0.61	3.237	O					5.79	177.917	0.00	0.59	2.982	O					5.44
172.833	0.00	0.61	3.232	O					5.79	178.000	0.00	0.59	2.978	O					5.43
172.917	0.00	0.61	3.228	O					5.78	178.083	0.00	0.59	2.974	O					5.43
173.000	0.00	0.61	3.224	O					5.78	178.167	0.00	0.59	2.970	O					5.42
173.083	0.00	0.61	3.220	O					5.77	178.250	0.00	0.59	2.965	O					5.42

178.333	0.00	0.58	2.961	O					5.41	183.500	0.00	0.56	2.716	O					5.07
178.417	0.00	0.58	2.957	O					5.41	183.583	0.00	0.56	2.712	O					5.07
178.500	0.00	0.58	2.953	O					5.40	183.667	0.00	0.56	2.708	O					5.06
178.583	0.00	0.58	2.949	O					5.39	183.750	0.00	0.56	2.705	O					5.05
178.667	0.00	0.58	2.945	O					5.39	183.833	0.00	0.56	2.701	O					5.05
178.750	0.00	0.58	2.941	O					5.38	183.917	0.00	0.56	2.697	O					5.04
178.833	0.00	0.58	2.937	O					5.38	184.000	0.00	0.56	2.693	O					5.04
178.917	0.00	0.58	2.933	O					5.37	184.083	0.00	0.56	2.689	O					5.03
179.000	0.00	0.58	2.929	O					5.37	184.167	0.00	0.56	2.685	O					5.03
179.083	0.00	0.58	2.925	O					5.36	184.250	0.00	0.56	2.681	O					5.02
179.167	0.00	0.58	2.921	O					5.36	184.333	0.00	0.56	2.677	O					5.02
179.250	0.00	0.58	2.917	O					5.35	184.417	0.00	0.56	2.674	O					5.01
179.333	0.00	0.58	2.913	O					5.34	184.500	0.00	0.56	2.670	O					5.01
179.417	0.00	0.58	2.909	O					5.34	184.583	0.00	0.56	2.666	O					5.00
179.500	0.00	0.58	2.905	O					5.33	184.667	0.00	0.56	2.662	O					5.00
179.583	0.00	0.58	2.901	O					5.33	184.750	0.00	0.56	2.658	O					4.99
179.667	0.00	0.58	2.897	O					5.32	184.833	0.00	0.56	2.654	O					4.98
179.750	0.00	0.58	2.893	O					5.32	184.917	0.00	0.56	2.650	O					4.98
179.833	0.00	0.58	2.889	O					5.31	185.000	0.00	0.56	2.647	O					4.97
179.917	0.00	0.58	2.885	O					5.31	185.083	0.00	0.56	2.643	O					4.97
180.000	0.00	0.58	2.881	O					5.30	185.167	0.00	0.56	2.639	O					4.96
180.083	0.00	0.58	2.877	O					5.29	185.250	0.00	0.56	2.635	O					4.95
180.167	0.00	0.58	2.873	O					5.29	185.333	0.00	0.56	2.631	O					4.95
180.250	0.00	0.58	2.869	O					5.28	185.417	0.00	0.56	2.627	O					4.94
180.333	0.00	0.58	2.865	O					5.28	185.500	0.00	0.56	2.624	O					4.94
180.417	0.00	0.58	2.861	O					5.27	185.583	0.00	0.56	2.620	O					4.93
180.500	0.00	0.58	2.858	O					5.27	185.667	0.00	0.56	2.616	O					4.92
180.583	0.00	0.58	2.854	O					5.26	185.750	0.00	0.56	2.612	O					4.92
180.667	0.00	0.58	2.850	O					5.26	185.833	0.00	0.55	2.608	O					4.91
180.750	0.00	0.58	2.846	O					5.25	185.917	0.00	0.55	2.604	O					4.91
180.833	0.00	0.57	2.842	O					5.25	186.000	0.00	0.55	2.601	O					4.90
180.917	0.00	0.57	2.838	O					5.24	186.083	0.00	0.55	2.597	O					4.90
181.000	0.00	0.57	2.834	O					5.23	186.167	0.00	0.55	2.593	O					4.89
181.083	0.00	0.57	2.830	O					5.23	186.250	0.00	0.55	2.589	O					4.88
181.167	0.00	0.57	2.826	O					5.22	186.333	0.00	0.55	2.585	O					4.88
181.250	0.00	0.57	2.822	O					5.22	186.417	0.00	0.55	2.582	O					4.87
181.333	0.00	0.57	2.818	O					5.21	186.500	0.00	0.55	2.578	O					4.87
181.417	0.00	0.57	2.814	O					5.21	186.583	0.00	0.55	2.574	O					4.86
181.500	0.00	0.57	2.810	O					5.20	186.667	0.00	0.55	2.570	O					4.85
181.583	0.00	0.57	2.806	O					5.20	186.750	0.00	0.55	2.566	O					4.85
181.667	0.00	0.57	2.802	O					5.19	186.833	0.00	0.55	2.563	O					4.84
181.750	0.00	0.57	2.798	O					5.19	186.917	0.00	0.55	2.559	O					4.84
181.833	0.00	0.57	2.794	O					5.18	187.000	0.00	0.55	2.555	O					4.83
181.917	0.00	0.57	2.790	O					5.17	187.083	0.00	0.55	2.551	O					4.83
182.000	0.00	0.57	2.786	O					5.17	187.167	0.00	0.55	2.547	O					4.82
182.083	0.00	0.57	2.783	O					5.16	187.250	0.00	0.55	2.544	O					4.81
182.167	0.00	0.57	2.779	O					5.16	187.333	0.00	0.55	2.540	O					4.81
182.250	0.00	0.57	2.775	O					5.15	187.417	0.00	0.55	2.536	O					4.80
182.333	0.00	0.57	2.771	O					5.15	187.500	0.00	0.55	2.532	O					4.80
182.417	0.00	0.57	2.767	O					5.14	187.583	0.00	0.55	2.529	O					4.79
182.500	0.00	0.57	2.763	O					5.14	187.667	0.00	0.55	2.525	O					4.79
182.583	0.00	0.57	2.759	O					5.13	187.750	0.00	0.55	2.521	O					4.78
182.667	0.00	0.57	2.755	O					5.13	187.833	0.00	0.55	2.517	O					4.77
182.750	0.00	0.57	2.751	O					5.12	187.917	0.00	0.55	2.513	O					4.77
182.833	0.00	0.57	2.747	O					5.11	188.000	0.00	0.55	2.510	O					4.76
182.917	0.00	0.57	2.743	O					5.11	188.083	0.00	0.55	2.506	O					4.76
183.000	0.00	0.57	2.740	O					5.10	188.167	0.00	0.55	2.502	O					4.75
183.083	0.00	0.57	2.736	O					5.10	188.250	0.00	0.54	2.498	O					4.75
183.167	0.00	0.57	2.732	O					5.09	188.333	0.00	0.54	2.495	O					4.74
183.250	0.00	0.57	2.728	O					5.09	188.417	0.00	0.54	2.491	O					4.73
183.333	0.00	0.56	2.724	O					5.08	188.500	0.00	0.54	2.487	O					4.73
183.417	0.00	0.56	2.720	O					5.08	188.583	0.00	0.54	2.483	O					4.72

188.667	0.00	0.54	2.480	O	|	|	|	|	4.72	193.833	0.00	0.52	2.252	O	|	|	|	|	4.37
188.750	0.00	0.54	2.476	O	|	|	|	|	4.71	193.917	0.00	0.52	2.249	O	|	|	|	|	4.36
188.833	0.00	0.54	2.472	O	|	|	|	|	4.71	194.000	0.00	0.52	2.245	O	|	|	|	|	4.36
188.917	0.00	0.54	2.469	O	|	|	|	|	4.70	194.083	0.00	0.52	2.242	O	|	|	|	|	4.35
189.000	0.00	0.54	2.465	O	|	|	|	|	4.69	194.167	0.00	0.52	2.238	O	|	|	|	|	4.35
189.083	0.00	0.54	2.461	O	|	|	|	|	4.69	194.250	0.00	0.52	2.234	O	|	|	|	|	4.34
189.167	0.00	0.54	2.457	O	|	|	|	|	4.68	194.333	0.00	0.52	2.231	O	|	|	|	|	4.34
189.250	0.00	0.54	2.454	O	|	|	|	|	4.68	194.417	0.00	0.52	2.227	O	|	|	|	|	4.33
189.333	0.00	0.54	2.450	O	|	|	|	|	4.67	194.500	0.00	0.52	2.224	O	|	|	|	|	4.33
189.417	0.00	0.54	2.446	O	|	|	|	|	4.67	194.583	0.00	0.52	2.220	O	|	|	|	|	4.32
189.500	0.00	0.54	2.442	O	|	|	|	|	4.66	194.667	0.00	0.52	2.217	O	|	|	|	|	4.31
189.583	0.00	0.54	2.439	O	|	|	|	|	4.65	194.750	0.00	0.52	2.213	O	|	|	|	|	4.31
189.667	0.00	0.54	2.435	O	|	|	|	|	4.65	194.833	0.00	0.52	2.209	O	|	|	|	|	4.30
189.750	0.00	0.54	2.431	O	|	|	|	|	4.64	194.917	0.00	0.52	2.206	O	|	|	|	|	4.30
189.833	0.00	0.54	2.428	O	|	|	|	|	4.64	195.000	0.00	0.52	2.202	O	|	|	|	|	4.29
189.917	0.00	0.54	2.424	O	|	|	|	|	4.63	195.083	0.00	0.52	2.199	O	|	|	|	|	4.29
190.000	0.00	0.54	2.420	O	|	|	|	|	4.63	195.167	0.00	0.52	2.195	O	|	|	|	|	4.28
190.083	0.00	0.54	2.416	O	|	|	|	|	4.62	195.250	0.00	0.52	2.192	O	|	|	|	|	4.28
190.167	0.00	0.54	2.413	O	|	|	|	|	4.61	195.333	0.00	0.52	2.188	O	|	|	|	|	4.27
190.250	0.00	0.54	2.409	O	|	|	|	|	4.61	195.417	0.00	0.52	2.184	O	|	|	|	|	4.27
190.333	0.00	0.54	2.405	O	|	|	|	|	4.60	195.500	0.00	0.52	2.181	O	|	|	|	|	4.26
190.417	0.00	0.54	2.402	O	|	|	|	|	4.60	195.583	0.00	0.52	2.177	O	|	|	|	|	4.25
190.500	0.00	0.54	2.398	O	|	|	|	|	4.59	195.667	0.00	0.51	2.174	O	|	|	|	|	4.25
190.583	0.00	0.54	2.394	O	|	|	|	|	4.59	195.750	0.00	0.51	2.170	O	|	|	|	|	4.24
190.667	0.00	0.53	2.391	O	|	|	|	|	4.58	195.833	0.00	0.51	2.167	O	|	|	|	|	4.24
190.750	0.00	0.53	2.387	O	|	|	|	|	4.57	195.917	0.00	0.51	2.163	O	|	|	|	|	4.23
190.833	0.00	0.53	2.383	O	|	|	|	|	4.57	196.000	0.00	0.51	2.160	O	|	|	|	|	4.23
190.917	0.00	0.53	2.380	O	|	|	|	|	4.56	196.083	0.00	0.51	2.156	O	|	|	|	|	4.22
191.000	0.00	0.53	2.376	O	|	|	|	|	4.56	196.167	0.00	0.51	2.153	O	|	|	|	|	4.22
191.083	0.00	0.53	2.372	O	|	|	|	|	4.55	196.250	0.00	0.51	2.149	O	|	|	|	|	4.21
191.167	0.00	0.53	2.369	O	|	|	|	|	4.55	196.333	0.00	0.51	2.145	O	|	|	|	|	4.21
191.250	0.00	0.53	2.365	O	|	|	|	|	4.54	196.417	0.00	0.51	2.142	O	|	|	|	|	4.20
191.333	0.00	0.53	2.361	O	|	|	|	|	4.54	196.500	0.00	0.51	2.138	O	|	|	|	|	4.19
191.417	0.00	0.53	2.358	O	|	|	|	|	4.53	196.583	0.00	0.51	2.135	O	|	|	|	|	4.19
191.500	0.00	0.53	2.354	O	|	|	|	|	4.52	196.667	0.00	0.51	2.131	O	|	|	|	|	4.18
191.583	0.00	0.53	2.350	O	|	|	|	|	4.52	196.750	0.00	0.51	2.128	O	|	|	|	|	4.18
191.667	0.00	0.53	2.347	O	|	|	|	|	4.51	196.833	0.00	0.51	2.124	O	|	|	|	|	4.17
191.750	0.00	0.53	2.343	O	|	|	|	|	4.51	196.917	0.00	0.51	2.121	O	|	|	|	|	4.17
191.833	0.00	0.53	2.339	O	|	|	|	|	4.50	197.000	0.00	0.51	2.117	O	|	|	|	|	4.16
191.917	0.00	0.53	2.336	O	|	|	|	|	4.50	197.083	0.00	0.51	2.114	O	|	|	|	|	4.16
192.000	0.00	0.53	2.332	O	|	|	|	|	4.49	197.167	0.00	0.51	2.110	O	|	|	|	|	4.15
192.083	0.00	0.53	2.328	O	|	|	|	|	4.49	197.250	0.00	0.51	2.107	O	|	|	|	|	4.15
192.167	0.00	0.53	2.325	O	|	|	|	|	4.48	197.333	0.00	0.51	2.103	O	|	|	|	|	4.14
192.250	0.00	0.53	2.321	O	|	|	|	|	4.47	197.417	0.00	0.51	2.100	O	|	|	|	|	4.14
192.333	0.00	0.53	2.317	O	|	|	|	|	4.47	197.500	0.00	0.51	2.096	O	|	|	|	|	4.13
192.417	0.00	0.53	2.314	O	|	|	|	|	4.46	197.583	0.00	0.51	2.093	O	|	|	|	|	4.13
192.500	0.00	0.53	2.310	O	|	|	|	|	4.46	197.667	0.00	0.51	2.089	O	|	|	|	|	4.12
192.583	0.00	0.53	2.307	O	|	|	|	|	4.45	197.750	0.00	0.51	2.086	O	|	|	|	|	4.11
192.667	0.00	0.53	2.303	O	|	|	|	|	4.45	197.833	0.00	0.51	2.082	O	|	|	|	|	4.11
192.750	0.00	0.53	2.299	O	|	|	|	|	4.44	197.917	0.00	0.51	2.079	O	|	|	|	|	4.10
192.833	0.00	0.53	2.296	O	|	|	|	|	4.44	198.000	0.00	0.51	2.075	O	|	|	|	|	4.10
192.917	0.00	0.53	2.292	O	|	|	|	|	4.43	198.083	0.00	0.51	2.072	O	|	|	|	|	4.09
193.000	0.00	0.53	2.288	O	|	|	|	|	4.42	198.167	0.00	0.51	2.068	O	|	|	|	|	4.09
193.083	0.00	0.53	2.285	O	|	|	|	|	4.42	198.250	0.00	0.50	2.065	O	|	|	|	|	4.08
193.167	0.00	0.52	2.281	O	|	|	|	|	4.41	198.333	0.00	0.50	2.061	O	|	|	|	|	4.08
193.250	0.00	0.52	2.278	O	|	|	|	|	4.41	198.417	0.00	0.50	2.058	O	|	|	|	|	4.07
193.333	0.00	0.52	2.274	O	|	|	|	|	4.40	198.500	0.00	0.50	2.054	O	|	|	|	|	4.07
193.417	0.00	0.52	2.270	O	|	|	|	|	4.40	198.583	0.00	0.50	2.051	O	|	|	|	|	4.06
193.500	0.00	0.52	2.267	O	|	|	|	|	4.39	198.667	0.00	0.50	2.048	O	|	|	|	|	4.06
193.583	0.00	0.52	2.263	O	|	|	|	|	4.39	198.750	0.00	0.50	2.044	O	|	|	|	|	4.05
193.667	0.00	0.52	2.260	O	|	|	|	|	4.38	198.833	0.00	0.50	2.041	O	|	|	|	|	4.05
193.750	0.00	0.52	2.256	O	|	|	|	|	4.37	198.917	0.00	0.50	2.037	O	|	|	|	|	4.04

199.000	0.00	0.50	2.034	O	|	|	|	|	4.03	204.167	0.00	0.48	1.824	O	|	|	|	|	3.68
199.083	0.00	0.50	2.030	O	|	|	|	|	4.03	204.250	0.00	0.48	1.821	O	|	|	|	|	3.68
199.167	0.00	0.50	2.027	O	|	|	|	|	4.02	204.333	0.00	0.48	1.818	O	|	|	|	|	3.67
199.250	0.00	0.50	2.023	O	|	|	|	|	4.02	204.417	0.00	0.48	1.815	O	|	|	|	|	3.67
199.333	0.00	0.50	2.020	O	|	|	|	|	4.01	204.500	0.00	0.48	1.811	O	|	|	|	|	3.66
199.417	0.00	0.50	2.016	O	|	|	|	|	4.01	204.583	0.00	0.48	1.808	O	|	|	|	|	3.66
199.500	0.00	0.50	2.013	O	|	|	|	|	4.00	204.667	0.00	0.48	1.805	O	|	|	|	|	3.65
199.583	0.00	0.50	2.010	O	|	|	|	|	4.00	204.750	0.00	0.48	1.801	O	|	|	|	|	3.65
199.667	0.00	0.50	2.006	O	|	|	|	|	3.99	204.833	0.00	0.47	1.798	O	|	|	|	|	3.64
199.750	0.00	0.50	2.003	O	|	|	|	|	3.99	204.917	0.00	0.47	1.795	O	|	|	|	|	3.63
199.833	0.00	0.50	1.999	O	|	|	|	|	3.98	205.000	0.00	0.47	1.792	O	|	|	|	|	3.63
199.917	0.00	0.50	1.996	O	|	|	|	|	3.97	205.083	0.00	0.47	1.788	O	|	|	|	|	3.62
200.000	0.00	0.50	1.992	O	|	|	|	|	3.97	205.167	0.00	0.47	1.785	O	|	|	|	|	3.62
200.083	0.00	0.50	1.989	O	|	|	|	|	3.96	205.250	0.00	0.47	1.782	O	|	|	|	|	3.61
200.167	0.00	0.50	1.986	O	|	|	|	|	3.96	205.333	0.00	0.47	1.779	O	|	|	|	|	3.61
200.250	0.00	0.50	1.982	O	|	|	|	|	3.95	205.417	0.00	0.47	1.775	O	|	|	|	|	3.60
200.333	0.00	0.50	1.979	O	|	|	|	|	3.95	205.500	0.00	0.47	1.772	O	|	|	|	|	3.60
200.417	0.00	0.50	1.975	O	|	|	|	|	3.94	205.583	0.00	0.47	1.769	O	|	|	|	|	3.59
200.500	0.00	0.50	1.972	O	|	|	|	|	3.93	205.667	0.00	0.47	1.766	O	|	|	|	|	3.59
200.583	0.00	0.49	1.968	O	|	|	|	|	3.93	205.750	0.00	0.47	1.762	O	|	|	|	|	3.58
200.667	0.00	0.49	1.965	O	|	|	|	|	3.92	205.833	0.00	0.47	1.759	O	|	|	|	|	3.57
200.750	0.00	0.49	1.962	O	|	|	|	|	3.92	205.917	0.00	0.47	1.756	O	|	|	|	|	3.57
200.833	0.00	0.49	1.958	O	|	|	|	|	3.91	206.000	0.00	0.47	1.753	O	|	|	|	|	3.56
200.917	0.00	0.49	1.955	O	|	|	|	|	3.91	206.083	0.00	0.47	1.749	O	|	|	|	|	3.56
201.000	0.00	0.49	1.951	O	|	|	|	|	3.90	206.167	0.00	0.47	1.746	O	|	|	|	|	3.55
201.083	0.00	0.49	1.948	O	|	|	|	|	3.89	206.250	0.00	0.47	1.743	O	|	|	|	|	3.55
201.167	0.00	0.49	1.945	O	|	|	|	|	3.89	206.333	0.00	0.47	1.740	O	|	|	|	|	3.54
201.250	0.00	0.49	1.941	O	|	|	|	|	3.88	206.417	0.00	0.47	1.736	O	|	|	|	|	3.54
201.333	0.00	0.49	1.938	O	|	|	|	|	3.88	206.500	0.00	0.47	1.733	O	|	|	|	|	3.53
201.417	0.00	0.49	1.934	O	|	|	|	|	3.87	206.583	0.00	0.47	1.730	O	|	|	|	|	3.53
201.500	0.00	0.49	1.931	O	|	|	|	|	3.87	206.667	0.00	0.47	1.727	O	|	|	|	|	3.52
201.583	0.00	0.49	1.928	O	|	|	|	|	3.86	206.750	0.00	0.47	1.724	O	|	|	|	|	3.51
201.667	0.00	0.49	1.924	O	|	|	|	|	3.85	206.833	0.00	0.47	1.720	O	|	|	|	|	3.51
201.750	0.00	0.49	1.921	O	|	|	|	|	3.85	206.917	0.00	0.47	1.717	O	|	|	|	|	3.50
201.833	0.00	0.49	1.918	O	|	|	|	|	3.84	207.000	0.00	0.46	1.714	O	|	|	|	|	3.50
201.917	0.00	0.49	1.914	O	|	|	|	|	3.84	207.083	0.00	0.46	1.711	O	|	|	|	|	3.49
202.000	0.00	0.49	1.911	O	|	|	|	|	3.83	207.167	0.00	0.46	1.708	O	|	|	|	|	3.49
202.083	0.00	0.49	1.908	O	|	|	|	|	3.83	207.250	0.00	0.46	1.704	O	|	|	|	|	3.48
202.167	0.00	0.49	1.904	O	|	|	|	|	3.82	207.333	0.00	0.46	1.701	O	|	|	|	|	3.48
202.250	0.00	0.49	1.901	O	|	|	|	|	3.81	207.417	0.00	0.46	1.698	O	|	|	|	|	3.47
202.333	0.00	0.49	1.897	O	|	|	|	|	3.81	207.500	0.00	0.46	1.695	O	|	|	|	|	3.47
202.417	0.00	0.49	1.894	O	|	|	|	|	3.80	207.583	0.00	0.46	1.692	O	|	|	|	|	3.46
202.500	0.00	0.49	1.891	O	|	|	|	|	3.80	207.667	0.00	0.46	1.688	O	|	|	|	|	3.46
202.583	0.00	0.49	1.887	O	|	|	|	|	3.79	207.750	0.00	0.46	1.685	O	|	|	|	|	3.45
202.667	0.00	0.48	1.884	O	|	|	|	|	3.79	207.833	0.00	0.46	1.682	O	|	|	|	|	3.44
202.750	0.00	0.48	1.881	O	|	|	|	|	3.78	207.917	0.00	0.46	1.679	O	|	|	|	|	3.44
202.833	0.00	0.48	1.877	O	|	|	|	|	3.77	208.000	0.00	0.46	1.676	O	|	|	|	|	3.43
202.917	0.00	0.48	1.874	O	|	|	|	|	3.77	208.083	0.00	0.46	1.673	O	|	|	|	|	3.43
203.000	0.00	0.48	1.871	O	|	|	|	|	3.76	208.167	0.00	0.46	1.669	O	|	|	|	|	3.42
203.083	0.00	0.48	1.867	O	|	|	|	|	3.76	208.250	0.00	0.46	1.666	O	|	|	|	|	3.42
203.167	0.00	0.48	1.864	O	|	|	|	|	3.75	208.333	0.00	0.46	1.663	O	|	|	|	|	3.41
203.250	0.00	0.48	1.861	O	|	|	|	|	3.75	208.417	0.00	0.46	1.660	O	|	|	|	|	3.41
203.333	0.00	0.48	1.857	O	|	|	|	|	3.74	208.500	0.00	0.46	1.657	O	|	|	|	|	3.40
203.417	0.00	0.48	1.854	O	|	|	|	|	3.74	208.583	0.00	0.46	1.654	O	|	|	|	|	3.40
203.500	0.00	0.48	1.851	O	|	|	|	|	3.73	208.667	0.00	0.46	1.651	O	|	|	|	|	3.39
203.583	0.00	0.48	1.848	O	|	|	|	|	3.72	208.750	0.00	0.46	1.647	O	|	|	|	|	3.39
203.667	0.00	0.48	1.844	O	|	|	|	|	3.72	208.833	0.00	0.46	1.644	O	|	|	|	|	3.38
203.750	0.00	0.48	1.841	O	|	|	|	|	3.71	208.917	0.00	0.46	1.641	O	|	|	|	|	3.38
203.833	0.00	0.48	1.838	O	|	|	|	|	3.71	209.000	0.00	0.46	1.638	O	|	|	|	|	3.37
203.917	0.00	0.48	1.834	O	|	|	|	|	3.70	209.083	0.00	0.46	1.635	O	|	|	|	|	3.36
204.000	0.00	0.48	1.831	O	|	|	|	|	3.70	209.167	0.00	0.46	1.632	O	|	|	|	|	3.36
204.083	0.00	0.48	1.828	O	|	|	|	|	3.69	209.250	0.00	0.45	1.629	O	|	|	|	|	3.35

209.333	0.00	0.45	1.625	O	|	|	|	|	3.35	214.500	0.00	0.43	1.436	O	|	|	|	|	3.03
209.417	0.00	0.45	1.622	O	|	|	|	|	3.34	214.583	0.00	0.43	1.433	O	|	|	|	|	3.02
209.500	0.00	0.45	1.619	O	|	|	|	|	3.34	214.667	0.00	0.43	1.430	O	|	|	|	|	3.02
209.583	0.00	0.45	1.616	O	|	|	|	|	3.33	214.750	0.00	0.43	1.427	O	|	|	|	|	3.01
209.667	0.00	0.45	1.613	O	|	|	|	|	3.33	214.833	0.00	0.43	1.424	O	|	|	|	|	3.01
209.750	0.00	0.45	1.610	O	|	|	|	|	3.32	214.917	0.00	0.43	1.421	O	|	|	|	|	3.00
209.833	0.00	0.45	1.607	O	|	|	|	|	3.32	215.000	0.00	0.43	1.418	O	|	|	|	|	3.00
209.917	0.00	0.45	1.604	O	|	|	|	|	3.31	215.083	0.00	0.43	1.415	O	|	|	|	|	2.99
210.000	0.00	0.45	1.600	O	|	|	|	|	3.31	215.167	0.00	0.43	1.412	O	|	|	|	|	2.99
210.083	0.00	0.45	1.597	O	|	|	|	|	3.30	215.250	0.00	0.43	1.410	O	|	|	|	|	2.98
210.167	0.00	0.45	1.594	O	|	|	|	|	3.30	215.333	0.00	0.43	1.407	O	|	|	|	|	2.98
210.250	0.00	0.45	1.591	O	|	|	|	|	3.29	215.417	0.00	0.43	1.404	O	|	|	|	|	2.97
210.333	0.00	0.45	1.588	O	|	|	|	|	3.29	215.500	0.00	0.43	1.401	O	|	|	|	|	2.96
210.417	0.00	0.45	1.585	O	|	|	|	|	3.28	215.583	0.00	0.43	1.398	O	|	|	|	|	2.96
210.500	0.00	0.45	1.582	O	|	|	|	|	3.28	215.667	0.00	0.43	1.395	O	|	|	|	|	2.95
210.583	0.00	0.45	1.579	O	|	|	|	|	3.27	215.750	0.00	0.42	1.392	O	|	|	|	|	2.95
210.667	0.00	0.45	1.576	O	|	|	|	|	3.26	215.833	0.00	0.42	1.389	O	|	|	|	|	2.94
210.750	0.00	0.45	1.573	O	|	|	|	|	3.26	215.917	0.00	0.42	1.386	O	|	|	|	|	2.93
210.833	0.00	0.45	1.569	O	|	|	|	|	3.25	216.000	0.00	0.42	1.383	O	|	|	|	|	2.93
210.917	0.00	0.45	1.566	O	|	|	|	|	3.25	216.083	0.00	0.42	1.380	O	|	|	|	|	2.92
211.000	0.00	0.45	1.563	O	|	|	|	|	3.24	216.167	0.00	0.42	1.377	O	|	|	|	|	2.92
211.083	0.00	0.45	1.560	O	|	|	|	|	3.24	216.250	0.00	0.42	1.374	O	|	|	|	|	2.91
211.167	0.00	0.45	1.557	O	|	|	|	|	3.23	216.333	0.00	0.42	1.371	O	|	|	|	|	2.91
211.250	0.00	0.45	1.554	O	|	|	|	|	3.23	216.417	0.00	0.42	1.369	O	|	|	|	|	2.90
211.333	0.00	0.45	1.551	O	|	|	|	|	3.22	216.500	0.00	0.42	1.366	O	|	|	|	|	2.89
211.417	0.00	0.45	1.548	O	|	|	|	|	3.22	216.583	0.00	0.42	1.363	O	|	|	|	|	2.89
211.500	0.00	0.44	1.545	O	|	|	|	|	3.21	216.667	0.00	0.42	1.360	O	|	|	|	|	2.88
211.583	0.00	0.44	1.542	O	|	|	|	|	3.21	216.750	0.00	0.42	1.357	O	|	|	|	|	2.88
211.667	0.00	0.44	1.539	O	|	|	|	|	3.20	216.833	0.00	0.42	1.354	O	|	|	|	|	2.87
211.750	0.00	0.44	1.536	O	|	|	|	|	3.20	216.917	0.00	0.42	1.351	O	|	|	|	|	2.86
211.833	0.00	0.44	1.533	O	|	|	|	|	3.19	217.000	0.00	0.42	1.348	O	|	|	|	|	2.86
211.917	0.00	0.44	1.530	O	|	|	|	|	3.19	217.083	0.00	0.42	1.346	O	|	|	|	|	2.85
212.000	0.00	0.44	1.527	O	|	|	|	|	3.18	217.167	0.00	0.42	1.343	O	|	|	|	|	2.85
212.083	0.00	0.44	1.523	O	|	|	|	|	3.18	217.250	0.00	0.41	1.340	O	|	|	|	|	2.84
212.167	0.00	0.44	1.520	O	|	|	|	|	3.17	217.333	0.00	0.41	1.337	O	|	|	|	|	2.84
212.250	0.00	0.44	1.517	O	|	|	|	|	3.17	217.417	0.00	0.41	1.334	O	|	|	|	|	2.83
212.333	0.00	0.44	1.514	O	|	|	|	|	3.16	217.500	0.00	0.41	1.331	O	|	|	|	|	2.82
212.417	0.00	0.44	1.511	O	|	|	|	|	3.16	217.583	0.00	0.41	1.328	O	|	|	|	|	2.82
212.500	0.00	0.44	1.508	O	|	|	|	|	3.15	217.667	0.00	0.41	1.326	O	|	|	|	|	2.81
212.583	0.00	0.44	1.505	O	|	|	|	|	3.15	217.750	0.00	0.41	1.323	O	|	|	|	|	2.81
212.667	0.00	0.44	1.502	O	|	|	|	|	3.14	217.833	0.00	0.41	1.320	O	|	|	|	|	2.80
212.750	0.00	0.44	1.499	O	|	|	|	|	3.14	217.917	0.00	0.41	1.317	O	|	|	|	|	2.80
212.833	0.00	0.44	1.496	O	|	|	|	|	3.13	218.000	0.00	0.41	1.314	O	|	|	|	|	2.79
212.917	0.00	0.44	1.493	O	|	|	|	|	3.13	218.083	0.00	0.41	1.311	O	|	|	|	|	2.79
213.000	0.00	0.44	1.490	O	|	|	|	|	3.12	218.167	0.00	0.41	1.309	O	|	|	|	|	2.78
213.083	0.00	0.44	1.487	O	|	|	|	|	3.12	218.250	0.00	0.41	1.306	O	|	|	|	|	2.77
213.167	0.00	0.44	1.484	O	|	|	|	|	3.11	218.333	0.00	0.41	1.303	O	|	|	|	|	2.77
213.250	0.00	0.44	1.481	O	|	|	|	|	3.10	218.417	0.00	0.41	1.300	O	|	|	|	|	2.76
213.333	0.00	0.44	1.478	O	|	|	|	|	3.10	218.500	0.00	0.41	1.297	O	|	|	|	|	2.76
213.417	0.00	0.44	1.475	O	|	|	|	|	3.09	218.583	0.00	0.41	1.295	O	|	|	|	|	2.75
213.500	0.00	0.44	1.472	O	|	|	|	|	3.09	218.667	0.00	0.41	1.292	O	|	|	|	|	2.75
213.583	0.00	0.44	1.469	O	|	|	|	|	3.08	218.750	0.00	0.41	1.289	O	|	|	|	|	2.74
213.667	0.00	0.44	1.466	O	|	|	|	|	3.08	218.833	0.00	0.40	1.286	O	|	|	|	|	2.73
213.750	0.00	0.44	1.463	O	|	|	|	|	3.07	218.917	0.00	0.40	1.283	O	|	|	|	|	2.73
213.833	0.00	0.43	1.460	O	|	|	|	|	3.07	219.000	0.00	0.40	1.281	O	|	|	|	|	2.72
213.917	0.00	0.43	1.457	O	|	|	|	|	3.06	219.083	0.00	0.40	1.278	O	|	|	|	|	2.72
214.000	0.00	0.43	1.454	O	|	|	|	|	3.06	219.167	0.00	0.40	1.275	O	|	|	|	|	2.71
214.083	0.00	0.43	1.451	O	|	|	|	|	3.05	219.250	0.00	0.40	1.272	O	|	|	|	|	2.71
214.167	0.00	0.43	1.448	O	|	|	|	|	3.05	219.333	0.00	0.40	1.270	O	|	|	|	|	2.70
214.250	0.00	0.43	1.445	O	|	|	|	|	3.04	219.417	0.00	0.40	1.267	O	|	|	|	|	2.70
214.333	0.00	0.43	1.442	O	|	|	|	|	3.04	219.500	0.00	0.40	1.264	O	|	|	|	|	2.69
214.417	0.00	0.43	1.439	O	|	|	|	|	3.03	219.583	0.00	0.40	1.261	O	|	|	|	|	2.69

219.667	0.00	0.40	1.258	O	|	|	|	|	2.68	224.833	0.00	0.37	1.095	O	|	|	|	|	2.35
219.750	0.00	0.40	1.256	O	|	|	|	|	2.67	224.917	0.00	0.37	1.092	O	|	|	|	|	2.35
219.833	0.00	0.40	1.253	O	|	|	|	|	2.67	225.000	0.00	0.37	1.090	O	|	|	|	|	2.34
219.917	0.00	0.40	1.250	O	|	|	|	|	2.66	225.083	0.00	0.37	1.087	O	|	|	|	|	2.34
220.000	0.00	0.40	1.248	O	|	|	|	|	2.66	225.167	0.00	0.37	1.084	O	|	|	|	|	2.33
220.083	0.00	0.40	1.245	O	|	|	|	|	2.65	225.250	0.00	0.37	1.082	O	|	|	|	|	2.33
220.167	0.00	0.40	1.242	O	|	|	|	|	2.65	225.333	0.00	0.37	1.079	O	|	|	|	|	2.32
220.250	0.00	0.40	1.239	O	|	|	|	|	2.64	225.417	0.00	0.37	1.077	O	|	|	|	|	2.32
220.333	0.00	0.40	1.237	O	|	|	|	|	2.64	225.500	0.00	0.36	1.074	O	|	|	|	|	2.31
220.417	0.00	0.39	1.234	O	|	|	|	|	2.63	225.583	0.00	0.36	1.072	O	|	|	|	|	2.31
220.500	0.00	0.39	1.231	O	|	|	|	|	2.63	225.667	0.00	0.36	1.069	O	|	|	|	|	2.30
220.583	0.00	0.39	1.228	O	|	|	|	|	2.62	225.750	0.00	0.36	1.067	O	|	|	|	|	2.30
220.667	0.00	0.39	1.226	O	|	|	|	|	2.61	225.833	0.00	0.36	1.064	O	|	|	|	|	2.29
220.750	0.00	0.39	1.223	O	|	|	|	|	2.61	225.917	0.00	0.36	1.062	O	|	|	|	|	2.29
220.833	0.00	0.39	1.220	O	|	|	|	|	2.60	226.000	0.00	0.36	1.059	O	|	|	|	|	2.28
220.917	0.00	0.39	1.218	O	|	|	|	|	2.60	226.083	0.00	0.36	1.057	O	|	|	|	|	2.28
221.000	0.00	0.39	1.215	O	|	|	|	|	2.59	226.167	0.00	0.36	1.054	O	|	|	|	|	2.27
221.083	0.00	0.39	1.212	O	|	|	|	|	2.59	226.250	0.00	0.36	1.052	O	|	|	|	|	2.27
221.167	0.00	0.39	1.210	O	|	|	|	|	2.58	226.333	0.00	0.36	1.049	O	|	|	|	|	2.26
221.250	0.00	0.39	1.207	O	|	|	|	|	2.58	226.417	0.00	0.36	1.047	O	|	|	|	|	2.26
221.333	0.00	0.39	1.204	O	|	|	|	|	2.57	226.500	0.00	0.36	1.045	O	|	|	|	|	2.25
221.417	0.00	0.39	1.201	O	|	|	|	|	2.57	226.583	0.00	0.36	1.042	O	|	|	|	|	2.25
221.500	0.00	0.39	1.199	O	|	|	|	|	2.56	226.667	0.00	0.36	1.040	O	|	|	|	|	2.24
221.583	0.00	0.39	1.196	O	|	|	|	|	2.56	226.750	0.00	0.36	1.037	O	|	|	|	|	2.24
221.667	0.00	0.39	1.193	O	|	|	|	|	2.55	226.833	0.00	0.36	1.035	O	|	|	|	|	2.23
221.750	0.00	0.39	1.191	O	|	|	|	|	2.54	226.917	0.00	0.36	1.032	O	|	|	|	|	2.23
221.833	0.00	0.39	1.188	O	|	|	|	|	2.54	227.000	0.00	0.36	1.030	O	|	|	|	|	2.22
221.917	0.00	0.39	1.185	O	|	|	|	|	2.53	227.083	0.00	0.36	1.027	O	|	|	|	|	2.22
222.000	0.00	0.39	1.183	O	|	|	|	|	2.53	227.167	0.00	0.36	1.025	O	|	|	|	|	2.21
222.083	0.00	0.38	1.180	O	|	|	|	|	2.52	227.250	0.00	0.35	1.022	O	|	|	|	|	2.21
222.167	0.00	0.38	1.178	O	|	|	|	|	2.52	227.333	0.00	0.35	1.020	O	|	|	|	|	2.20
222.250	0.00	0.38	1.175	O	|	|	|	|	2.51	227.417	0.00	0.35	1.018	O	|	|	|	|	2.20
222.333	0.00	0.38	1.172	O	|	|	|	|	2.51	227.500	0.00	0.35	1.015	O	|	|	|	|	2.19
222.417	0.00	0.38	1.170	O	|	|	|	|	2.50	227.583	0.00	0.35	1.013	O	|	|	|	|	2.19
222.500	0.00	0.38	1.167	O	|	|	|	|	2.50	227.667	0.00	0.35	1.010	O	|	|	|	|	2.18
222.583	0.00	0.38	1.164	O	|	|	|	|	2.49	227.750	0.00	0.35	1.008	O	|	|	|	|	2.18
222.667	0.00	0.38	1.162	O	|	|	|	|	2.49	227.833	0.00	0.35	1.005	O	|	|	|	|	2.17
222.750	0.00	0.38	1.159	O	|	|	|	|	2.48	227.917	0.00	0.35	1.003	O	|	|	|	|	2.17
222.833	0.00	0.38	1.156	O	|	|	|	|	2.48	228.000	0.00	0.35	1.001	O	|	|	|	|	2.16
222.917	0.00	0.38	1.154	O	|	|	|	|	2.47	228.083	0.00	0.35	0.998	O	|	|	|	|	2.16
223.000	0.00	0.38	1.151	O	|	|	|	|	2.47	228.167	0.00	0.35	0.996	O	|	|	|	|	2.16
223.083	0.00	0.38	1.149	O	|	|	|	|	2.46	228.250	0.00	0.35	0.993	O	|	|	|	|	2.15
223.167	0.00	0.38	1.146	O	|	|	|	|	2.46	228.333	0.00	0.35	0.991	O	|	|	|	|	2.15
223.250	0.00	0.38	1.143	O	|	|	|	|	2.45	228.417	0.00	0.35	0.988	O	|	|	|	|	2.14
223.333	0.00	0.38	1.141	O	|	|	|	|	2.44	228.500	0.00	0.35	0.986	O	|	|	|	|	2.14
223.417	0.00	0.38	1.138	O	|	|	|	|	2.44	228.583	0.00	0.35	0.984	O	|	|	|	|	2.13
223.500	0.00	0.38	1.136	O	|	|	|	|	2.43	228.667	0.00	0.35	0.981	O	|	|	|	|	2.13
223.583	0.00	0.38	1.133	O	|	|	|	|	2.43	228.750	0.00	0.35	0.979	O	|	|	|	|	2.12
223.667	0.00	0.38	1.130	O	|	|	|	|	2.42	228.833	0.00	0.35	0.977	O	|	|	|	|	2.12
223.750	0.00	0.37	1.128	O	|	|	|	|	2.42	228.917	0.00	0.35	0.974	O	|	|	|	|	2.11
223.833	0.00	0.37	1.125	O	|	|	|	|	2.41	229.000	0.00	0.35	0.972	O	|	|	|	|	2.11
223.917	0.00	0.37	1.123	O	|	|	|	|	2.41	229.083	0.00	0.34	0.969	O	|	|	|	|	2.10
224.000	0.00	0.37	1.120	O	|	|	|	|	2.40	229.167	0.00	0.34	0.967	O	|	|	|	|	2.10
224.083	0.00	0.37	1.118	O	|	|	|	|	2.40	229.250	0.00	0.34	0.965	O	|	|	|	|	2.09
224.167	0.00	0.37	1.115	O	|	|	|	|	2.39	229.333	0.00	0.34	0.962	O	|	|	|	|	2.09
224.250	0.00	0.37	1.112	O	|	|	|	|	2.39	229.417	0.00	0.34	0.960	O	|	|	|	|	2.08
224.333	0.00	0.37	1.110	O	|	|	|	|	2.38	229.500	0.00	0.34	0.958	O	|	|	|	|	2.08
224.417	0.00	0.37	1.107	O	|	|	|	|	2.38	229.583	0.00	0.34	0.955	O	|	|	|	|	2.07
224.500	0.00	0.37	1.105	O	|	|	|	|	2.37	229.667	0.00	0.34	0.953	O	|	|	|	|	2.07
224.583	0.00	0.37	1.102	O	|	|	|	|	2.37	229.750	0.00	0.34	0.950	O	|	|	|	|	2.06
224.667	0.00	0.37	1.100	O	|	|	|	|	2.36	229.833	0.00	0.34	0.948	O	|	|	|	|	2.06
224.750	0.00	0.37	1.097	O	|	|	|	|	2.36	229.917	0.00	0.34	0.946	O	|	|	|	|	2.06

230.000	0.00	0.34	0.943	O	|	|	|	|	2.05	235.167	0.00	0.31	0.804	O	|	|	|	|	1.77
230.083	0.00	0.34	0.941	O	|	|	|	|	2.05	235.250	0.00	0.31	0.802	O	|	|	|	|	1.77
230.167	0.00	0.34	0.939	O	|	|	|	|	2.04	235.333	0.00	0.31	0.800	O	|	|	|	|	1.76
230.250	0.00	0.34	0.936	O	|	|	|	|	2.04	235.417	0.00	0.31	0.798	O	|	|	|	|	1.76
230.333	0.00	0.34	0.934	O	|	|	|	|	2.03	235.500	0.00	0.31	0.795	O	|	|	|	|	1.76
230.417	0.00	0.34	0.932	O	|	|	|	|	2.03	235.583	0.00	0.31	0.793	O	|	|	|	|	1.75
230.500	0.00	0.34	0.929	O	|	|	|	|	2.02	235.667	0.00	0.31	0.791	O	|	|	|	|	1.75
230.583	0.00	0.34	0.927	O	|	|	|	|	2.02	235.750	0.00	0.31	0.789	O	|	|	|	|	1.74
230.667	0.00	0.34	0.925	O	|	|	|	|	2.01	235.833	0.00	0.31	0.787	O	|	|	|	|	1.74
230.750	0.00	0.34	0.923	O	|	|	|	|	2.01	235.917	0.00	0.31	0.785	O	|	|	|	|	1.73
230.833	0.00	0.34	0.920	O	|	|	|	|	2.00	236.000	0.00	0.31	0.783	O	|	|	|	|	1.73
230.917	0.00	0.33	0.918	O	|	|	|	|	2.00	236.083	0.00	0.31	0.781	O	|	|	|	|	1.73
231.000	0.00	0.33	0.916	O	|	|	|	|	2.00	236.167	0.00	0.31	0.778	O	|	|	|	|	1.72
231.083	0.00	0.33	0.913	O	|	|	|	|	1.99	236.250	0.00	0.31	0.776	O	|	|	|	|	1.72
231.167	0.00	0.33	0.911	O	|	|	|	|	1.99	236.333	0.00	0.31	0.774	O	|	|	|	|	1.71
231.250	0.00	0.33	0.909	O	|	|	|	|	1.98	236.417	0.00	0.31	0.772	O	|	|	|	|	1.71
231.333	0.00	0.33	0.906	O	|	|	|	|	1.98	236.500	0.00	0.31	0.770	O	|	|	|	|	1.70
231.417	0.00	0.33	0.904	O	|	|	|	|	1.97	236.583	0.00	0.31	0.768	O	|	|	|	|	1.70
231.500	0.00	0.33	0.902	O	|	|	|	|	1.97	236.667	0.00	0.31	0.766	O	|	|	|	|	1.70
231.583	0.00	0.33	0.900	O	|	|	|	|	1.96	236.750	0.00	0.31	0.764	O	|	|	|	|	1.69
231.667	0.00	0.33	0.897	O	|	|	|	|	1.96	236.833	0.00	0.31	0.761	O	|	|	|	|	1.69
231.750	0.00	0.33	0.895	O	|	|	|	|	1.95	236.917	0.00	0.30	0.759	O	|	|	|	|	1.68
231.833	0.00	0.33	0.893	O	|	|	|	|	1.95	237.000	0.00	0.30	0.757	O	|	|	|	|	1.68
231.917	0.00	0.33	0.890	O	|	|	|	|	1.94	237.083	0.00	0.30	0.755	O	|	|	|	|	1.67
232.000	0.00	0.33	0.888	O	|	|	|	|	1.94	237.167	0.00	0.30	0.753	O	|	|	|	|	1.67
232.083	0.00	0.33	0.886	O	|	|	|	|	1.94	237.250	0.00	0.30	0.751	O	|	|	|	|	1.67
232.167	0.00	0.33	0.884	O	|	|	|	|	1.93	237.333	0.00	0.30	0.749	O	|	|	|	|	1.66
232.250	0.00	0.33	0.881	O	|	|	|	|	1.93	237.417	0.00	0.30	0.747	O	|	|	|	|	1.66
232.333	0.00	0.33	0.879	O	|	|	|	|	1.92	237.500	0.00	0.30	0.745	O	|	|	|	|	1.65
232.417	0.00	0.33	0.877	O	|	|	|	|	1.92	237.583	0.00	0.30	0.743	O	|	|	|	|	1.65
232.500	0.00	0.33	0.875	O	|	|	|	|	1.91	237.667	0.00	0.30	0.741	O	|	|	|	|	1.65
232.583	0.00	0.33	0.872	O	|	|	|	|	1.91	237.750	0.00	0.30	0.739	O	|	|	|	|	1.64
232.667	0.00	0.33	0.870	O	|	|	|	|	1.90	237.833	0.00	0.30	0.736	O	|	|	|	|	1.64
232.750	0.00	0.33	0.868	O	|	|	|	|	1.90	237.917	0.00	0.30	0.734	O	|	|	|	|	1.63
232.833	0.00	0.33	0.866	O	|	|	|	|	1.90	238.000	0.00	0.30	0.732	O	|	|	|	|	1.63
232.917	0.00	0.32	0.863	O	|	|	|	|	1.89	238.083	0.00	0.30	0.730	O	|	|	|	|	1.63
233.000	0.00	0.32	0.861	O	|	|	|	|	1.89	238.167	0.00	0.30	0.728	O	|	|	|	|	1.62
233.083	0.00	0.32	0.859	O	|	|	|	|	1.88	238.250	0.00	0.30	0.726	O	|	|	|	|	1.62
233.167	0.00	0.32	0.857	O	|	|	|	|	1.88	238.333	0.00	0.30	0.724	O	|	|	|	|	1.61
233.250	0.00	0.32	0.854	O	|	|	|	|	1.87	238.417	0.00	0.30	0.722	O	|	|	|	|	1.61
233.333	0.00	0.32	0.852	O	|	|	|	|	1.87	238.500	0.00	0.30	0.720	O	|	|	|	|	1.60
233.417	0.00	0.32	0.850	O	|	|	|	|	1.86	238.583	0.00	0.30	0.718	O	|	|	|	|	1.60
233.500	0.00	0.32	0.848	O	|	|	|	|	1.86	238.667	0.00	0.30	0.716	O	|	|	|	|	1.60
233.583	0.00	0.32	0.846	O	|	|	|	|	1.86	238.750	0.00	0.30	0.714	O	|	|	|	|	1.59
233.667	0.00	0.32	0.843	O	|	|	|	|	1.85	238.833	0.00	0.30	0.712	O	|	|	|	|	1.59
233.750	0.00	0.32	0.841	O	|	|	|	|	1.85	238.917	0.00	0.30	0.710	O	|	|	|	|	1.58
233.833	0.00	0.32	0.839	O	|	|	|	|	1.84	239.000	0.00	0.30	0.708	O	|	|	|	|	1.58
233.917	0.00	0.32	0.837	O	|	|	|	|	1.84	239.083	0.00	0.29	0.706	O	|	|	|	|	1.58
234.000	0.00	0.32	0.835	O	|	|	|	|	1.83	239.167	0.00	0.29	0.704	O	|	|	|	|	1.57
234.083	0.00	0.32	0.832	O	|	|	|	|	1.83	239.250	0.00	0.29	0.702	O	|	|	|	|	1.57
234.167	0.00	0.32	0.830	O	|	|	|	|	1.82	239.333	0.00	0.29	0.700	O	|	|	|	|	1.56
234.250	0.00	0.32	0.828	O	|	|	|	|	1.82	239.417	0.00	0.29	0.698	O	|	|	|	|	1.56
234.333	0.00	0.32	0.826	O	|	|	|	|	1.82	239.500	0.00	0.29	0.696	O	|	|	|	|	1.56
234.417	0.00	0.32	0.824	O	|	|	|	|	1.81	239.583	0.00	0.29	0.694	O	|	|	|	|	1.55
234.500	0.00	0.32	0.821	O	|	|	|	|	1.81	239.667	0.00	0.29	0.692	O	|	|	|	|	1.55
234.583	0.00	0.32	0.819	O	|	|	|	|	1.80	239.750	0.00	0.29	0.690	O	|	|	|	|	1.54
234.667	0.00	0.32	0.817	O	|	|	|	|	1.80	239.833	0.00	0.29	0.688	O	|	|	|	|	1.54
234.750	0.00	0.32	0.815	O	|	|	|	|	1.79	239.917	0.00	0.29	0.686	O	|	|	|	|	1.54
234.833	0.00	0.32	0.813	O	|	|	|	|	1.79	240.000	0.00	0.29	0.684	O	|	|	|	|	1.53
234.917	0.00	0.31	0.811	O	|	|	|	|	1.79	240.083	0.00	0.29	0.682	O	|	|	|	|	1.53
235.000	0.00	0.31	0.808	O	|	|	|	|	1.78	240.167	0.00	0.29	0.680	O	|	|	|	|	1.52
235.083	0.00	0.31	0.806	O	|	|	|	|	1.78	240.250	0.00	0.29	0.678	O	|	|	|	|	1.52

240.333	0.00	0.29	0.676	O	|	|	|	|	1.52	245.500	0.00	0.27	0.557	O	|	|	|	|	1.28
240.417	0.00	0.29	0.674	O	|	|	|	|	1.51	245.583	0.00	0.27	0.555	O	|	|	|	|	1.28
240.500	0.00	0.29	0.672	O	|	|	|	|	1.51	245.667	0.00	0.27	0.553	O	|	|	|	|	1.27
240.583	0.00	0.29	0.670	O	|	|	|	|	1.50	245.750	0.00	0.27	0.551	O	|	|	|	|	1.27
240.667	0.00	0.29	0.668	O	|	|	|	|	1.50	245.833	0.00	0.27	0.550	O	|	|	|	|	1.26
240.750	0.00	0.29	0.666	O	|	|	|	|	1.50	245.917	0.00	0.26	0.548	O	|	|	|	|	1.26
240.833	0.00	0.29	0.664	O	|	|	|	|	1.49	246.000	0.00	0.26	0.546	O	|	|	|	|	1.26
240.917	0.00	0.29	0.662	O	|	|	|	|	1.49	246.083	0.00	0.26	0.544	O	|	|	|	|	1.25
241.000	0.00	0.29	0.660	O	|	|	|	|	1.48	246.167	0.00	0.26	0.542	O	|	|	|	|	1.25
241.083	0.00	0.29	0.658	O	|	|	|	|	1.48	246.250	0.00	0.26	0.541	O	|	|	|	|	1.25
241.167	0.00	0.29	0.656	O	|	|	|	|	1.48	246.333	0.00	0.26	0.539	O	|	|	|	|	1.24
241.250	0.00	0.28	0.654	O	|	|	|	|	1.47	246.417	0.00	0.26	0.537	O	|	|	|	|	1.24
241.333	0.00	0.28	0.652	O	|	|	|	|	1.47	246.500	0.00	0.26	0.535	O	|	|	|	|	1.24
241.417	0.00	0.28	0.650	O	|	|	|	|	1.46	246.583	0.00	0.26	0.533	O	|	|	|	|	1.23
241.500	0.00	0.28	0.648	O	|	|	|	|	1.46	246.667	0.00	0.26	0.532	O	|	|	|	|	1.23
241.583	0.00	0.28	0.646	O	|	|	|	|	1.46	246.750	0.00	0.26	0.530	O	|	|	|	|	1.22
241.667	0.00	0.28	0.644	O	|	|	|	|	1.45	246.833	0.00	0.26	0.528	O	|	|	|	|	1.22
241.750	0.00	0.28	0.642	O	|	|	|	|	1.45	246.917	0.00	0.26	0.526	O	|	|	|	|	1.22
241.833	0.00	0.28	0.640	O	|	|	|	|	1.45	247.000	0.00	0.26	0.524	O	|	|	|	|	1.21
241.917	0.00	0.28	0.638	O	|	|	|	|	1.44	247.083	0.00	0.26	0.523	O	|	|	|	|	1.21
242.000	0.00	0.28	0.636	O	|	|	|	|	1.44	247.167	0.00	0.26	0.521	O	|	|	|	|	1.21
242.083	0.00	0.28	0.634	O	|	|	|	|	1.43	247.250	0.00	0.26	0.519	O	|	|	|	|	1.20
242.167	0.00	0.28	0.632	O	|	|	|	|	1.43	247.333	0.00	0.26	0.517	O	|	|	|	|	1.20
242.250	0.00	0.28	0.630	O	|	|	|	|	1.43	247.417	0.00	0.26	0.515	O	|	|	|	|	1.20
242.333	0.00	0.28	0.628	O	|	|	|	|	1.42	247.500	0.00	0.26	0.514	O	|	|	|	|	1.19
242.417	0.00	0.28	0.627	O	|	|	|	|	1.42	247.583	0.00	0.26	0.512	O	|	|	|	|	1.19
242.500	0.00	0.28	0.625	O	|	|	|	|	1.41	247.667	0.00	0.26	0.510	O	|	|	|	|	1.19
242.583	0.00	0.28	0.623	O	|	|	|	|	1.41	247.750	0.00	0.26	0.508	O	|	|	|	|	1.18
242.667	0.00	0.28	0.621	O	|	|	|	|	1.41	247.833	0.00	0.26	0.507	O	|	|	|	|	1.18
242.750	0.00	0.28	0.619	O	|	|	|	|	1.40	247.917	0.00	0.26	0.505	O	|	|	|	|	1.18
242.833	0.00	0.28	0.617	O	|	|	|	|	1.40	248.000	0.00	0.26	0.503	O	|	|	|	|	1.17
242.917	0.00	0.28	0.615	O	|	|	|	|	1.40	248.083	0.00	0.26	0.501	O	|	|	|	|	1.17
243.000	0.00	0.28	0.613	O	|	|	|	|	1.39	248.167	0.00	0.26	0.499	O	|	|	|	|	1.16
243.083	0.00	0.28	0.611	O	|	|	|	|	1.39	248.250	0.00	0.26	0.498	O	|	|	|	|	1.16
243.167	0.00	0.28	0.609	O	|	|	|	|	1.38	248.333	0.00	0.25	0.496	O	|	|	|	|	1.16
243.250	0.00	0.28	0.607	O	|	|	|	|	1.38	248.417	0.00	0.25	0.494	O	|	|	|	|	1.15
243.333	0.00	0.28	0.606	O	|	|	|	|	1.38	248.500	0.00	0.25	0.492	O	|	|	|	|	1.15
243.417	0.00	0.28	0.604	O	|	|	|	|	1.37	248.583	0.00	0.25	0.491	O	|	|	|	|	1.15
243.500	0.00	0.28	0.602	O	|	|	|	|	1.37	248.667	0.00	0.25	0.489	O	|	|	|	|	1.14
243.583	0.00	0.27	0.600	O	|	|	|	|	1.36	248.750	0.00	0.25	0.487	O	|	|	|	|	1.14
243.667	0.00	0.27	0.598	O	|	|	|	|	1.36	248.833	0.00	0.25	0.485	O	|	|	|	|	1.14
243.750	0.00	0.27	0.596	O	|	|	|	|	1.36	248.917	0.00	0.25	0.484	O	|	|	|	|	1.13
243.833	0.00	0.27	0.594	O	|	|	|	|	1.35	249.000	0.00	0.25	0.482	O	|	|	|	|	1.13
243.917	0.00	0.27	0.592	O	|	|	|	|	1.35	249.083	0.00	0.25	0.480	O	|	|	|	|	1.13
244.000	0.00	0.27	0.590	O	|	|	|	|	1.35	249.167	0.00	0.25	0.478	O	|	|	|	|	1.12
244.083	0.00	0.27	0.589	O	|	|	|	|	1.34	249.250	0.00	0.25	0.477	O	|	|	|	|	1.12
244.167	0.00	0.27	0.587	O	|	|	|	|	1.34	249.333	0.00	0.25	0.475	O	|	|	|	|	1.12
244.250	0.00	0.27	0.585	O	|	|	|	|	1.33	249.417	0.00	0.25	0.473	O	|	|	|	|	1.11
244.333	0.00	0.27	0.583	O	|	|	|	|	1.33	249.500	0.00	0.25	0.472	O	|	|	|	|	1.11
244.417	0.00	0.27	0.581	O	|	|	|	|	1.33	249.583	0.00	0.25	0.470	O	|	|	|	|	1.11
244.500	0.00	0.27	0.579	O	|	|	|	|	1.32	249.667	0.00	0.25	0.468	O	|	|	|	|	1.10
244.583	0.00	0.27	0.577	O	|	|	|	|	1.32	249.750	0.00	0.25	0.466	O	|	|	|	|	1.10
244.667	0.00	0.27	0.575	O	|	|	|	|	1.32	249.833	0.00	0.25	0.465	O	|	|	|	|	1.10
244.750	0.00	0.27	0.574	O	|	|	|	|	1.31	249.917	0.00	0.25	0.463	O	|	|	|	|	1.09
244.833	0.00	0.27	0.572	O	|	|	|	|	1.31	250.000	0.00	0.25	0.461	O	|	|	|	|	1.09
244.917	0.00	0.27	0.570	O	|	|	|	|	1.31	250.083	0.00	0.25	0.460	O	|	|	|	|	1.08
245.000	0.00	0.27	0.568	O	|	|	|	|	1.30	250.167	0.00	0.25	0.458	O	|	|	|	|	1.08
245.083	0.00	0.27	0.566	O	|	|	|	|	1.30	250.250	0.00	0.25	0.456	O	|	|	|	|	1.08
245.167	0.00	0.27	0.564	O	|	|	|	|	1.29	250.333	0.00	0.25	0.454	O	|	|	|	|	1.07
245.250	0.00	0.27	0.562	O	|	|	|	|	1.29	250.417	0.00	0.25	0.453	O	|	|	|	|	1.07
245.333	0.00	0.27	0.561	O	|	|	|	|	1.29	250.500	0.00	0.25	0.451	O	|	|	|	|	1.07
245.417	0.00	0.27	0.559	O	|	|	|	|	1.28	250.583	0.00	0.25	0.449	O	|	|	|	|	1.06

250.667	0.00	0.25	0.448	O	|	|	|	|	1.06	255.833	0.00	0.20	0.351	O	|	|	|	|	0.84
250.750	0.00	0.25	0.446	O	|	|	|	|	1.06	255.917	0.00	0.20	0.349	O	|	|	|	|	0.84
250.833	0.00	0.25	0.444	O	|	|	|	|	1.05	256.000	0.00	0.20	0.348	O	|	|	|	|	0.83
250.917	0.00	0.24	0.443	O	|	|	|	|	1.05	256.083	0.00	0.20	0.347	O	|	|	|	|	0.83
251.000	0.00	0.24	0.441	O	|	|	|	|	1.05	256.167	0.00	0.20	0.345	O	|	|	|	|	0.83
251.083	0.00	0.24	0.439	O	|	|	|	|	1.04	256.250	0.00	0.20	0.344	O	|	|	|	|	0.82
251.167	0.00	0.24	0.438	O	|	|	|	|	1.04	256.333	0.00	0.20	0.342	O	|	|	|	|	0.82
251.250	0.00	0.24	0.436	O	|	|	|	|	1.04	256.417	0.00	0.20	0.341	O	|	|	|	|	0.82
251.333	0.00	0.24	0.434	O	|	|	|	|	1.03	256.500	0.00	0.20	0.340	O	|	|	|	|	0.81
251.417	0.00	0.24	0.433	O	|	|	|	|	1.03	256.583	0.00	0.19	0.338	O	|	|	|	|	0.81
251.500	0.00	0.24	0.431	O	|	|	|	|	1.03	256.667	0.00	0.19	0.337	O	|	|	|	|	0.81
251.583	0.00	0.24	0.429	O	|	|	|	|	1.02	256.750	0.00	0.19	0.336	O	|	|	|	|	0.81
251.667	0.00	0.24	0.427	O	|	|	|	|	1.02	256.833	0.00	0.19	0.334	O	|	|	|	|	0.80
251.750	0.00	0.24	0.426	O	|	|	|	|	1.02	256.917	0.00	0.19	0.333	O	|	|	|	|	0.80
251.833	0.00	0.24	0.424	O	|	|	|	|	1.01	257.000	0.00	0.19	0.332	O	|	|	|	|	0.80
251.917	0.00	0.24	0.423	O	|	|	|	|	1.01	257.083	0.00	0.19	0.330	O	|	|	|	|	0.79
252.000	0.00	0.24	0.421	O	|	|	|	|	1.01	257.167	0.00	0.19	0.329	O	|	|	|	|	0.79
252.083	0.00	0.24	0.419	O	|	|	|	|	1.00	257.250	0.00	0.19	0.328	O	|	|	|	|	0.79
252.167	0.00	0.24	0.418	O	|	|	|	|	1.00	257.333	0.00	0.19	0.327	O	|	|	|	|	0.78
252.250	0.00	0.24	0.416	O	|	|	|	|	1.00	257.417	0.00	0.19	0.325	O	|	|	|	|	0.78
252.333	0.00	0.24	0.414	O	|	|	|	|	0.99	257.500	0.00	0.19	0.324	O	|	|	|	|	0.78
252.417	0.00	0.24	0.413	O	|	|	|	|	0.99	257.583	0.00	0.19	0.323	O	|	|	|	|	0.77
252.500	0.00	0.24	0.411	O	|	|	|	|	0.99	257.667	0.00	0.18	0.321	O	|	|	|	|	0.77
252.583	0.00	0.24	0.409	O	|	|	|	|	0.98	257.750	0.00	0.18	0.320	O	|	|	|	|	0.77
252.667	0.00	0.23	0.408	O	|	|	|	|	0.98	257.833	0.00	0.18	0.319	O	|	|	|	|	0.76
252.750	0.00	0.23	0.406	O	|	|	|	|	0.97	257.917	0.00	0.18	0.318	O	|	|	|	|	0.76
252.833	0.00	0.23	0.405	O	|	|	|	|	0.97	258.000	0.00	0.18	0.316	O	|	|	|	|	0.76
252.917	0.00	0.23	0.403	O	|	|	|	|	0.97	258.083	0.00	0.18	0.315	O	|	|	|	|	0.76
253.000	0.00	0.23	0.401	O	|	|	|	|	0.96	258.167	0.00	0.18	0.314	O	|	|	|	|	0.75
253.083	0.00	0.23	0.400	O	|	|	|	|	0.96	258.250	0.00	0.18	0.313	O	|	|	|	|	0.75
253.167	0.00	0.23	0.398	O	|	|	|	|	0.95	258.333	0.00	0.18	0.311	O	|	|	|	|	0.75
253.250	0.00	0.23	0.397	O	|	|	|	|	0.95	258.417	0.00	0.18	0.310	O	|	|	|	|	0.74
253.333	0.00	0.23	0.395	O	|	|	|	|	0.95	258.500	0.00	0.18	0.309	O	|	|	|	|	0.74
253.417	0.00	0.23	0.393	O	|	|	|	|	0.94	258.583	0.00	0.18	0.308	O	|	|	|	|	0.74
253.500	0.00	0.23	0.392	O	|	|	|	|	0.94	258.667	0.00	0.18	0.306	O	|	|	|	|	0.73
253.583	0.00	0.22	0.390	O	|	|	|	|	0.94	258.750	0.00	0.18	0.305	O	|	|	|	|	0.73
253.667	0.00	0.22	0.389	O	|	|	|	|	0.93	258.833	0.00	0.18	0.304	O	|	|	|	|	0.73
253.750	0.00	0.22	0.387	O	|	|	|	|	0.93	258.917	0.00	0.17	0.303	O	|	|	|	|	0.73
253.833	0.00	0.22	0.386	O	|	|	|	|	0.92	259.000	0.00	0.17	0.302	O	|	|	|	|	0.72
253.917	0.00	0.22	0.384	O	|	|	|	|	0.92	259.083	0.00	0.17	0.300	O	|	|	|	|	0.72
254.000	0.00	0.22	0.383	O	|	|	|	|	0.92	259.167	0.00	0.17	0.299	O	|	|	|	|	0.72
254.083	0.00	0.22	0.381	O	|	|	|	|	0.91	259.250	0.00	0.17	0.298	O	|	|	|	|	0.71
254.167	0.00	0.22	0.380	O	|	|	|	|	0.91	259.333	0.00	0.17	0.297	O	|	|	|	|	0.71
254.250	0.00	0.22	0.378	O	|	|	|	|	0.91	259.417	0.00	0.17	0.296	O	|	|	|	|	0.71
254.333	0.00	0.22	0.377	O	|	|	|	|	0.90	259.500	0.00	0.17	0.295	O	|	|	|	|	0.71
254.417	0.00	0.22	0.375	O	|	|	|	|	0.90	259.583	0.00	0.17	0.293	O	|	|	|	|	0.70
254.500	0.00	0.22	0.374	O	|	|	|	|	0.90	259.667	0.00	0.17	0.292	O	|	|	|	|	0.70
254.583	0.00	0.21	0.372	O	|	|	|	|	0.89	259.750	0.00	0.17	0.291	O	|	|	|	|	0.70
254.667	0.00	0.21	0.371	O	|	|	|	|	0.89	259.833	0.00	0.17	0.290	O	|	|	|	|	0.70
254.750	0.00	0.21	0.369	O	|	|	|	|	0.89	259.917	0.00	0.17	0.289	O	|	|	|	|	0.69
254.833	0.00	0.21	0.368	O	|	|	|	|	0.88	260.000	0.00	0.17	0.288	O	|	|	|	|	0.69
254.917	0.00	0.21	0.366	O	|	|	|	|	0.88	260.083	0.00	0.16	0.287	O	|	|	|	|	0.69
255.000	0.00	0.21	0.365	O	|	|	|	|	0.88	260.167	0.00	0.16	0.285	O	|	|	|	|	0.68
255.083	0.00	0.21	0.363	O	|	|	|	|	0.87	260.250	0.00	0.16	0.284	O	|	|	|	|	0.68
255.167	0.00	0.21	0.362	O	|	|	|	|	0.87	260.333	0.00	0.16	0.283	O	|	|	|	|	0.68
255.250	0.00	0.21	0.361	O	|	|	|	|	0.86	260.417	0.00	0.16	0.282	O	|	|	|	|	0.68
255.333	0.00	0.21	0.359	O	|	|	|	|	0.86	260.500	0.00	0.16	0.281	O	|	|	|	|	0.67
255.417	0.00	0.21	0.358	O	|	|	|	|	0.86	260.583	0.00	0.16	0.280	O	|	|	|	|	0.67
255.500	0.00	0.21	0.356	O	|	|	|	|	0.85	260.667	0.00	0.16	0.279	O	|	|	|	|	0.67
255.583	0.00	0.20	0.355	O	|	|	|	|	0.85	260.750	0.00	0.16	0.278	O	|	|	|	|	0.67
255.667	0.00	0.20	0.354	O	|	|	|	|	0.85	260.833	0.00	0.16	0.276	O	|	|	|	|	0.66
255.750	0.00	0.20	0.352	O	|	|	|	|	0.84	260.917	0.00	0.16	0.275	O	|	|	|	|	0.66

261.000	0.00	0.16	0.274	O	|	|	|	|	0.66	266.167	0.00	0.12	0.215	O	|	|	|	|	0.51
261.083	0.00	0.16	0.273	O	|	|	|	|	0.66	266.250	0.00	0.12	0.214	O	|	|	|	|	0.51
261.167	0.00	0.16	0.272	O	|	|	|	|	0.65	266.333	0.00	0.12	0.213	O	|	|	|	|	0.51
261.250	0.00	0.16	0.271	O	|	|	|	|	0.65	266.417	0.00	0.12	0.212	O	|	|	|	|	0.51
261.333	0.00	0.16	0.270	O	|	|	|	|	0.65	266.500	0.00	0.12	0.211	O	|	|	|	|	0.51
261.417	0.00	0.15	0.269	O	|	|	|	|	0.64	266.583	0.00	0.12	0.210	O	|	|	|	|	0.50
261.500	0.00	0.15	0.268	O	|	|	|	|	0.64	266.667	0.00	0.12	0.209	O	|	|	|	|	0.50
261.583	0.00	0.15	0.267	O	|	|	|	|	0.64	266.750	0.00	0.12	0.209	O	|	|	|	|	0.50
261.667	0.00	0.15	0.266	O	|	|	|	|	0.64	266.833	0.00	0.12	0.208	O	|	|	|	|	0.50
261.750	0.00	0.15	0.265	O	|	|	|	|	0.63	266.917	0.00	0.12	0.207	O	|	|	|	|	0.50
261.833	0.00	0.15	0.264	O	|	|	|	|	0.63	267.000	0.00	0.12	0.206	O	|	|	|	|	0.49
261.917	0.00	0.15	0.263	O	|	|	|	|	0.63	267.083	0.00	0.12	0.205	O	|	|	|	|	0.49
262.000	0.00	0.15	0.262	O	|	|	|	|	0.63	267.167	0.00	0.12	0.205	O	|	|	|	|	0.49
262.083	0.00	0.15	0.261	O	|	|	|	|	0.62	267.250	0.00	0.12	0.204	O	|	|	|	|	0.49
262.167	0.00	0.15	0.259	O	|	|	|	|	0.62	267.333	0.00	0.12	0.203	O	|	|	|	|	0.49
262.250	0.00	0.15	0.258	O	|	|	|	|	0.62	267.417	0.00	0.12	0.202	O	|	|	|	|	0.48
262.333	0.00	0.15	0.257	O	|	|	|	|	0.62	267.500	0.00	0.12	0.201	O	|	|	|	|	0.48
262.417	0.00	0.15	0.256	O	|	|	|	|	0.61	267.583	0.00	0.12	0.201	O	|	|	|	|	0.48
262.500	0.00	0.15	0.255	O	|	|	|	|	0.61	267.667	0.00	0.11	0.200	O	|	|	|	|	0.48
262.583	0.00	0.15	0.254	O	|	|	|	|	0.61	267.750	0.00	0.11	0.199	O	|	|	|	|	0.48
262.667	0.00	0.15	0.253	O	|	|	|	|	0.61	267.833	0.00	0.11	0.198	O	|	|	|	|	0.48
262.750	0.00	0.15	0.252	O	|	|	|	|	0.61	267.917	0.00	0.11	0.197	O	|	|	|	|	0.47
262.833	0.00	0.14	0.251	O	|	|	|	|	0.60	268.000	0.00	0.11	0.197	O	|	|	|	|	0.47
262.917	0.00	0.14	0.250	O	|	|	|	|	0.60	268.083	0.00	0.11	0.196	O	|	|	|	|	0.47
263.000	0.00	0.14	0.249	O	|	|	|	|	0.60	268.167	0.00	0.11	0.195	O	|	|	|	|	0.47
263.083	0.00	0.14	0.248	O	|	|	|	|	0.60	268.250	0.00	0.11	0.194	O	|	|	|	|	0.47
263.167	0.00	0.14	0.247	O	|	|	|	|	0.59	268.333	0.00	0.11	0.194	O	|	|	|	|	0.46
263.250	0.00	0.14	0.246	O	|	|	|	|	0.59	268.417	0.00	0.11	0.193	O	|	|	|	|	0.46
263.333	0.00	0.14	0.245	O	|	|	|	|	0.59	268.500	0.00	0.11	0.192	O	|	|	|	|	0.46
263.417	0.00	0.14	0.245	O	|	|	|	|	0.59	268.583	0.00	0.11	0.191	O	|	|	|	|	0.46
263.500	0.00	0.14	0.244	O	|	|	|	|	0.58	268.667	0.00	0.11	0.190	O	|	|	|	|	0.46
263.583	0.00	0.14	0.243	O	|	|	|	|	0.58	268.750	0.00	0.11	0.190	O	|	|	|	|	0.45
263.667	0.00	0.14	0.242	O	|	|	|	|	0.58	268.833	0.00	0.11	0.189	O	|	|	|	|	0.45
263.750	0.00	0.14	0.241	O	|	|	|	|	0.58	268.917	0.00	0.11	0.188	O	|	|	|	|	0.45
263.833	0.00	0.14	0.240	O	|	|	|	|	0.57	269.000	0.00	0.11	0.187	O	|	|	|	|	0.45
263.917	0.00	0.14	0.239	O	|	|	|	|	0.57	269.083	0.00	0.11	0.187	O	|	|	|	|	0.45
264.000	0.00	0.14	0.238	O	|	|	|	|	0.57	269.167	0.00	0.11	0.186	O	|	|	|	|	0.45
264.083	0.00	0.14	0.237	O	|	|	|	|	0.57	269.250	0.00	0.11	0.185	O	|	|	|	|	0.44
264.167	0.00	0.14	0.236	O	|	|	|	|	0.57	269.333	0.00	0.11	0.185	O	|	|	|	|	0.44
264.250	0.00	0.14	0.235	O	|	|	|	|	0.56	269.417	0.00	0.11	0.184	O	|	|	|	|	0.44
264.333	0.00	0.13	0.234	O	|	|	|	|	0.56	269.500	0.00	0.11	0.183	O	|	|	|	|	0.44
264.417	0.00	0.13	0.233	O	|	|	|	|	0.56	269.583	0.00	0.10	0.182	O	|	|	|	|	0.44
264.500	0.00	0.13	0.232	O	|	|	|	|	0.56	269.667	0.00	0.10	0.182	O	|	|	|	|	0.44
264.583	0.00	0.13	0.231	O	|	|	|	|	0.55	269.750	0.00	0.10	0.181	O	|	|	|	|	0.43
264.667	0.00	0.13	0.230	O	|	|	|	|	0.55	269.833	0.00	0.10	0.180	O	|	|	|	|	0.43
264.750	0.00	0.13	0.229	O	|	|	|	|	0.55	269.917	0.00	0.10	0.179	O	|	|	|	|	0.43
264.833	0.00	0.13	0.229	O	|	|	|	|	0.55	270.000	0.00	0.10	0.179	O	|	|	|	|	0.43
264.917	0.00	0.13	0.228	O	|	|	|	|	0.55	270.083	0.00	0.10	0.178	O	|	|	|	|	0.43
265.000	0.00	0.13	0.227	O	|	|	|	|	0.54	270.167	0.00	0.10	0.177	O	|	|	|	|	0.43
265.083	0.00	0.13	0.226	O	|	|	|	|	0.54	270.250	0.00	0.10	0.177	O	|	|	|	|	0.42
265.167	0.00	0.13	0.225	O	|	|	|	|	0.54	270.333	0.00	0.10	0.176	O	|	|	|	|	0.42
265.250	0.00	0.13	0.224	O	|	|	|	|	0.54	270.417	0.00	0.10	0.175	O	|	|	|	|	0.42
265.333	0.00	0.13	0.223	O	|	|	|	|	0.54	270.500	0.00	0.10	0.175	O	|	|	|	|	0.42
265.417	0.00	0.13	0.222	O	|	|	|	|	0.53	270.583	0.00	0.10	0.174	O	|	|	|	|	0.42
265.500	0.00	0.13	0.221	O	|	|	|	|	0.53	270.667	0.00	0.10	0.173	O	|	|	|	|	0.42
265.583	0.00	0.13	0.221	O	|	|	|	|	0.53	270.750	0.00	0.10	0.173	O	|	|	|	|	0.41
265.667	0.00	0.13	0.220	O	|	|	|	|	0.53	270.833	0.00	0.10	0.172	O	|	|	|	|	0.41
265.750	0.00	0.13	0.219	O	|	|	|	|	0.52	270.917	0.00	0.10	0.171	O	|	|	|	|	0.41
265.833	0.00	0.13	0.218	O	|	|	|	|	0.52	271.000	0.00	0.10	0.170	O	|	|	|	|	0.41
265.917	0.00	0.12	0.217	O	|	|	|	|	0.52	271.083	0.00	0.10	0.170	O	|	|	|	|	0.41
266.000	0.00	0.12	0.216	O	|	|	|	|	0.52	271.167	0.00	0.10	0.169	O	|	|	|	|	0.41
266.083	0.00	0.12	0.215	O	|	|	|	|	0.52	271.250	0.00	0.10	0.168	O	|	|	|	|	0.40

271.333	0.00	0.10	0.168	O	|	|	|	|	0.40	276.500	0.00	0.08	0.131	O	|	|	|	|	0.31
271.417	0.00	0.10	0.167	O	|	|	|	|	0.40	276.583	0.00	0.08	0.131	O	|	|	|	|	0.31
271.500	0.00	0.10	0.166	O	|	|	|	|	0.40	276.667	0.00	0.07	0.130	O	|	|	|	|	0.31
271.583	0.00	0.10	0.166	O	|	|	|	|	0.40	276.750	0.00	0.07	0.130	O	|	|	|	|	0.31
271.667	0.00	0.10	0.165	O	|	|	|	|	0.40	276.833	0.00	0.07	0.129	O	|	|	|	|	0.31
271.750	0.00	0.09	0.164	O	|	|	|	|	0.39	276.917	0.00	0.07	0.129	O	|	|	|	|	0.31
271.833	0.00	0.09	0.164	O	|	|	|	|	0.39	277.000	0.00	0.07	0.128	O	|	|	|	|	0.31
271.917	0.00	0.09	0.163	O	|	|	|	|	0.39	277.083	0.00	0.07	0.128	O	|	|	|	|	0.31
272.000	0.00	0.09	0.163	O	|	|	|	|	0.39	277.167	0.00	0.07	0.127	O	|	|	|	|	0.30
272.083	0.00	0.09	0.162	O	|	|	|	|	0.39	277.250	0.00	0.07	0.127	O	|	|	|	|	0.30
272.167	0.00	0.09	0.161	O	|	|	|	|	0.39	277.333	0.00	0.07	0.126	O	|	|	|	|	0.30
272.250	0.00	0.09	0.161	O	|	|	|	|	0.39	277.417	0.00	0.07	0.126	O	|	|	|	|	0.30
272.333	0.00	0.09	0.160	O	|	|	|	|	0.38	277.500	0.00	0.07	0.125	O	|	|	|	|	0.30
272.417	0.00	0.09	0.159	O	|	|	|	|	0.38	277.583	0.00	0.07	0.125	O	|	|	|	|	0.30
272.500	0.00	0.09	0.159	O	|	|	|	|	0.38	277.667	0.00	0.07	0.124	O	|	|	|	|	0.30
272.583	0.00	0.09	0.158	O	|	|	|	|	0.38	277.750	0.00	0.07	0.124	O	|	|	|	|	0.30
272.667	0.00	0.09	0.157	O	|	|	|	|	0.38	277.833	0.00	0.07	0.123	O	|	|	|	|	0.30
272.750	0.00	0.09	0.157	O	|	|	|	|	0.38	277.917	0.00	0.07	0.123	O	|	|	|	|	0.29
272.833	0.00	0.09	0.156	O	|	|	|	|	0.37	278.000	0.00	0.07	0.122	O	|	|	|	|	0.29
272.917	0.00	0.09	0.156	O	|	|	|	|	0.37	278.083	0.00	0.07	0.122	O	|	|	|	|	0.29
273.000	0.00	0.09	0.155	O	|	|	|	|	0.37	278.167	0.00	0.07	0.121	O	|	|	|	|	0.29
273.083	0.00	0.09	0.154	O	|	|	|	|	0.37	278.250	0.00	0.07	0.121	O	|	|	|	|	0.29
273.167	0.00	0.09	0.154	O	|	|	|	|	0.37	278.333	0.00	0.07	0.120	O	|	|	|	|	0.29
273.250	0.00	0.09	0.153	O	|	|	|	|	0.37	278.417	0.00	0.07	0.120	O	|	|	|	|	0.29
273.333	0.00	0.09	0.153	O	|	|	|	|	0.37	278.500	0.00	0.07	0.119	O	|	|	|	|	0.29
273.417	0.00	0.09	0.152	O	|	|	|	|	0.36	278.583	0.00	0.07	0.119	O	|	|	|	|	0.29
273.500	0.00	0.09	0.151	O	|	|	|	|	0.36	278.667	0.00	0.07	0.118	O	|	|	|	|	0.28
273.583	0.00	0.09	0.151	O	|	|	|	|	0.36	278.750	0.00	0.07	0.118	O	|	|	|	|	0.28
273.667	0.00	0.09	0.150	O	|	|	|	|	0.36	278.833	0.00	0.07	0.117	O	|	|	|	|	0.28
273.750	0.00	0.09	0.150	O	|	|	|	|	0.36	278.917	0.00	0.07	0.117	O	|	|	|	|	0.28
273.833	0.00	0.09	0.149	O	|	|	|	|	0.36	279.000	0.00	0.07	0.117	O	|	|	|	|	0.28
273.917	0.00	0.09	0.148	O	|	|	|	|	0.36	279.083	0.00	0.07	0.116	O	|	|	|	|	0.28
274.000	0.00	0.09	0.148	O	|	|	|	|	0.35	279.167	0.00	0.07	0.116	O	|	|	|	|	0.28
274.083	0.00	0.08	0.147	O	|	|	|	|	0.35	279.250	0.00	0.07	0.115	O	|	|	|	|	0.28
274.167	0.00	0.08	0.147	O	|	|	|	|	0.35	279.333	0.00	0.07	0.115	O	|	|	|	|	0.28
274.250	0.00	0.08	0.146	O	|	|	|	|	0.35	279.417	0.00	0.07	0.114	O	|	|	|	|	0.27
274.333	0.00	0.08	0.145	O	|	|	|	|	0.35	279.500	0.00	0.07	0.114	O	|	|	|	|	0.27
274.417	0.00	0.08	0.145	O	|	|	|	|	0.35	279.583	0.00	0.07	0.113	O	|	|	|	|	0.27
274.500	0.00	0.08	0.144	O	|	|	|	|	0.35	279.667	0.00	0.06	0.113	O	|	|	|	|	0.27
274.583	0.00	0.08	0.144	O	|	|	|	|	0.34	279.750	0.00	0.06	0.112	O	|	|	|	|	0.27
274.667	0.00	0.08	0.143	O	|	|	|	|	0.34	279.833	0.00	0.06	0.112	O	|	|	|	|	0.27
274.750	0.00	0.08	0.143	O	|	|	|	|	0.34	279.917	0.00	0.06	0.112	O	|	|	|	|	0.27
274.833	0.00	0.08	0.142	O	|	|	|	|	0.34	280.000	0.00	0.06	0.111	O	|	|	|	|	0.27
274.917	0.00	0.08	0.141	O	|	|	|	|	0.34	280.083	0.00	0.06	0.111	O	|	|	|	|	0.27
275.000	0.00	0.08	0.141	O	|	|	|	|	0.34	280.167	0.00	0.06	0.110	O	|	|	|	|	0.26
275.083	0.00	0.08	0.140	O	|	|	|	|	0.34	280.250	0.00	0.06	0.110	O	|	|	|	|	0.26
275.167	0.00	0.08	0.140	O	|	|	|	|	0.34	280.333	0.00	0.06	0.109	O	|	|	|	|	0.26
275.250	0.00	0.08	0.139	O	|	|	|	|	0.33	280.417	0.00	0.06	0.109	O	|	|	|	|	0.26
275.333	0.00	0.08	0.139	O	|	|	|	|	0.33	280.500	0.00	0.06	0.108	O	|	|	|	|	0.26
275.417	0.00	0.08	0.138	O	|	|	|	|	0.33	280.583	0.00	0.06	0.108	O	|	|	|	|	0.26
275.500	0.00	0.08	0.138	O	|	|	|	|	0.33	280.667	0.00	0.06	0.108	O	|	|	|	|	0.26
275.583	0.00	0.08	0.137	O	|	|	|	|	0.33	280.750	0.00	0.06	0.107	O	|	|	|	|	0.26
275.667	0.00	0.08	0.137	O	|	|	|	|	0.33	280.833	0.00	0.06	0.107	O	|	|	|	|	0.26
275.750	0.00	0.08	0.136	O	|	|	|	|	0.33	280.917	0.00	0.06	0.106	O	|	|	|	|	0.26
275.833	0.00	0.08	0.135	O	|	|	|	|	0.32	281.000	0.00	0.06	0.106	O	|	|	|	|	0.25
275.917	0.00	0.08	0.135	O	|	|	|	|	0.32	281.083	0.00	0.06	0.106	O	|	|	|	|	0.25
276.000	0.00	0.08	0.134	O	|	|	|	|	0.32	281.167	0.00	0.06	0.105	O	|	|	|	|	0.25
276.083	0.00	0.08	0.134	O	|	|	|	|	0.32	281.250	0.00	0.06	0.105	O	|	|	|	|	0.25
276.167	0.00	0.08	0.133	O	|	|	|	|	0.32	281.333	0.00	0.06	0.104	O	|	|	|	|	0.25
276.250	0.00	0.08	0.133	O	|	|	|	|	0.32	281.417	0.00	0.06	0.104	O	|	|	|	|	0.25
276.333	0.00	0.08	0.132	O	|	|	|	|	0.32	281.500	0.00	0.06	0.103	O	|	|	|	|	0.25
276.417	0.00	0.08	0.132	O	|	|	|	|	0.32	281.583	0.00	0.06	0.103	O	|	|	|	|	0.25

281.667	0.00	0.06	0.103	O	|	|	|	|	0.25	286.833	0.00	0.05	0.080	O	|	|	|	|	0.19
281.750	0.00	0.06	0.102	O	|	|	|	|	0.25	286.917	0.00	0.05	0.080	O	|	|	|	|	0.19
281.833	0.00	0.06	0.102	O	|	|	|	|	0.24	287.000	0.00	0.05	0.080	O	|	|	|	|	0.19
281.917	0.00	0.06	0.101	O	|	|	|	|	0.24	287.083	0.00	0.05	0.079	O	|	|	|	|	0.19
282.000	0.00	0.06	0.101	O	|	|	|	|	0.24	287.167	0.00	0.05	0.079	O	|	|	|	|	0.19
282.083	0.00	0.06	0.101	O	|	|	|	|	0.24	287.250	0.00	0.05	0.079	O	|	|	|	|	0.19
282.167	0.00	0.06	0.100	O	|	|	|	|	0.24	287.333	0.00	0.05	0.078	O	|	|	|	|	0.19
282.250	0.00	0.06	0.100	O	|	|	|	|	0.24	287.417	0.00	0.04	0.078	O	|	|	|	|	0.19
282.333	0.00	0.06	0.099	O	|	|	|	|	0.24	287.500	0.00	0.04	0.078	O	|	|	|	|	0.19
282.417	0.00	0.06	0.099	O	|	|	|	|	0.24	287.583	0.00	0.04	0.077	O	|	|	|	|	0.19
282.500	0.00	0.06	0.099	O	|	|	|	|	0.24	287.667	0.00	0.04	0.077	O	|	|	|	|	0.19
282.583	0.00	0.06	0.098	O	|	|	|	|	0.24	287.750	0.00	0.04	0.077	O	|	|	|	|	0.18
282.667	0.00	0.06	0.098	O	|	|	|	|	0.23	287.833	0.00	0.04	0.077	O	|	|	|	|	0.18
282.750	0.00	0.06	0.097	O	|	|	|	|	0.23	287.917	0.00	0.04	0.076	O	|	|	|	|	0.18
282.833	0.00	0.06	0.097	O	|	|	|	|	0.23	288.000	0.00	0.04	0.076	O	|	|	|	|	0.18
282.917	0.00	0.06	0.097	O	|	|	|	|	0.23	288.083	0.00	0.04	0.076	O	|	|	|	|	0.18
283.000	0.00	0.06	0.096	O	|	|	|	|	0.23	288.167	0.00	0.04	0.075	O	|	|	|	|	0.18
283.083	0.00	0.06	0.096	O	|	|	|	|	0.23	288.250	0.00	0.04	0.075	O	|	|	|	|	0.18
283.167	0.00	0.06	0.096	O	|	|	|	|	0.23	288.333	0.00	0.04	0.075	O	|	|	|	|	0.18
283.250	0.00	0.05	0.095	O	|	|	|	|	0.23	288.417	0.00	0.04	0.074	O	|	|	|	|	0.18
283.333	0.00	0.05	0.095	O	|	|	|	|	0.23	288.500	0.00	0.04	0.074	O	|	|	|	|	0.18
283.417	0.00	0.05	0.094	O	|	|	|	|	0.23	288.583	0.00	0.04	0.074	O	|	|	|	|	0.18
283.500	0.00	0.05	0.094	O	|	|	|	|	0.23	288.667	0.00	0.04	0.074	O	|	|	|	|	0.18
283.583	0.00	0.05	0.094	O	|	|	|	|	0.22	288.750	0.00	0.04	0.073	O	|	|	|	|	0.18
283.667	0.00	0.05	0.093	O	|	|	|	|	0.22	288.833	0.00	0.04	0.073	O	|	|	|	|	0.18
283.750	0.00	0.05	0.093	O	|	|	|	|	0.22	288.917	0.00	0.04	0.073	O	|	|	|	|	0.17
283.833	0.00	0.05	0.093	O	|	|	|	|	0.22	289.000	0.00	0.04	0.072	O	|	|	|	|	0.17
283.917	0.00	0.05	0.092	O	|	|	|	|	0.22	289.083	0.00	0.04	0.072	O	|	|	|	|	0.17
284.000	0.00	0.05	0.092	O	|	|	|	|	0.22	289.167	0.00	0.04	0.072	O	|	|	|	|	0.17
284.083	0.00	0.05	0.091	O	|	|	|	|	0.22	289.250	0.00	0.04	0.072	O	|	|	|	|	0.17
284.167	0.00	0.05	0.091	O	|	|	|	|	0.22	289.333	0.00	0.04	0.071	O	|	|	|	|	0.17
284.250	0.00	0.05	0.091	O	|	|	|	|	0.22	289.417	0.00	0.04	0.071	O	|	|	|	|	0.17
284.333	0.00	0.05	0.090	O	|	|	|	|	0.22	289.500	0.00	0.04	0.071	O	|	|	|	|	0.17
284.417	0.00	0.05	0.090	O	|	|	|	|	0.22	289.583	0.00	0.04	0.070	O	|	|	|	|	0.17
284.500	0.00	0.05	0.090	O	|	|	|	|	0.22	289.667	0.00	0.04	0.070	O	|	|	|	|	0.17
284.583	0.00	0.05	0.089	O	|	|	|	|	0.21	289.750	0.00	0.04	0.070	O	|	|	|	|	0.17
284.667	0.00	0.05	0.089	O	|	|	|	|	0.21	289.833	0.00	0.04	0.070	O	|	|	|	|	0.17
284.750	0.00	0.05	0.089	O	|	|	|	|	0.21	289.917	0.00	0.04	0.069	O	|	|	|	|	0.17
284.833	0.00	0.05	0.088	O	|	|	|	|	0.21	290.000	0.00	0.04	0.069	O	|	|	|	|	0.17
284.917	0.00	0.05	0.088	O	|	|	|	|	0.21	290.083	0.00	0.04	0.069	O	|	|	|	|	0.16
285.000	0.00	0.05	0.088	O	|	|	|	|	0.21	290.167	0.00	0.04	0.069	O	|	|	|	|	0.16
285.083	0.00	0.05	0.087	O	|	|	|	|	0.21	290.250	0.00	0.04	0.068	O	|	|	|	|	0.16
285.167	0.00	0.05	0.087	O	|	|	|	|	0.21	290.333	0.00	0.04	0.068	O	|	|	|	|	0.16
285.250	0.00	0.05	0.087	O	|	|	|	|	0.21	290.417	0.00	0.04	0.068	O	|	|	|	|	0.16
285.333	0.00	0.05	0.086	O	|	|	|	|	0.21	290.500	0.00	0.04	0.067	O	|	|	|	|	0.16
285.417	0.00	0.05	0.086	O	|	|	|	|	0.21	290.583	0.00	0.04	0.067	O	|	|	|	|	0.16
285.500	0.00	0.05	0.086	O	|	|	|	|	0.21	290.667	0.00	0.04	0.067	O	|	|	|	|	0.16
285.583	0.00	0.05	0.085	O	|	|	|	|	0.20	290.750	0.00	0.04	0.067	O	|	|	|	|	0.16
285.667	0.00	0.05	0.085	O	|	|	|	|	0.20	290.833	0.00	0.04	0.066	O	|	|	|	|	0.16
285.750	0.00	0.05	0.085	O	|	|	|	|	0.20	290.917	0.00	0.04	0.066	O	|	|	|	|	0.16
285.833	0.00	0.05	0.084	O	|	|	|	|	0.20	291.000	0.00	0.04	0.066	O	|	|	|	|	0.16
285.917	0.00	0.05	0.084	O	|	|	|	|	0.20	291.083	0.00	0.04	0.066	O	|	|	|	|	0.16
286.000	0.00	0.05	0.084	O	|	|	|	|	0.20	291.167	0.00	0.04	0.065	O	|	|	|	|	0.16
286.083	0.00	0.05	0.083	O	|	|	|	|	0.20	291.250	0.00	0.04	0.065	O	|	|	|	|	0.16
286.167	0.00	0.05	0.083	O	|	|	|	|	0.20	291.333	0.00	0.04	0.065	O	|	|	|	|	0.16
286.250	0.00	0.05	0.083	O	|	|	|	|	0.20	291.417	0.00	0.04	0.065	O	|	|	|	|	0.15
286.333	0.00	0.05	0.082	O	|	|	|	|	0.20	291.500	0.00	0.04	0.064	O	|	|	|	|	0.15
286.417	0.00	0.05	0.082	O	|	|	|	|	0.20	291.583	0.00	0.04	0.064	O	|	|	|	|	0.15
286.500	0.00	0.05	0.082	O	|	|	|	|	0.20	291.667	0.00	0.04	0.064	O	|	|	|	|	0.15
286.583	0.00	0.05	0.081	O	|	|	|	|	0.19	291.750	0.00	0.04	0.064	O	|	|	|	|	0.15
286.667	0.00	0.05	0.081	O	|	|	|	|	0.19	291.833	0.00	0.04	0.063	O	|	|	|	|	0.15
286.750	0.00	0.05	0.081	O	|	|	|	|	0.19	291.917	0.00	0.04	0.063	O	|	|	|	|	0.15

292.000	0.00	0.04	0.063	O	|	|	|	|	0.15	297.167	0.00	0.03	0.049	O	|	|	|	|	0.12
292.083	0.00	0.04	0.063	O	|	|	|	|	0.15	297.250	0.00	0.03	0.049	O	|	|	|	|	0.12
292.167	0.00	0.04	0.062	O	|	|	|	|	0.15	297.333	0.00	0.03	0.049	O	|	|	|	|	0.12
292.250	0.00	0.04	0.062	O	|	|	|	|	0.15	297.417	0.00	0.03	0.049	O	|	|	|	|	0.12
292.333	0.00	0.04	0.062	O	|	|	|	|	0.15	297.500	0.00	0.03	0.048	O	|	|	|	|	0.12
292.417	0.00	0.04	0.062	O	|	|	|	|	0.15	297.583	0.00	0.03	0.048	O	|	|	|	|	0.12
292.500	0.00	0.04	0.061	O	|	|	|	|	0.15	297.667	0.00	0.03	0.048	O	|	|	|	|	0.11
292.583	0.00	0.04	0.061	O	|	|	|	|	0.15	297.750	0.00	0.03	0.048	O	|	|	|	|	0.11
292.667	0.00	0.04	0.061	O	|	|	|	|	0.15	297.833	0.00	0.03	0.048	O	|	|	|	|	0.11
292.750	0.00	0.03	0.061	O	|	|	|	|	0.15	297.917	0.00	0.03	0.047	O	|	|	|	|	0.11
292.833	0.00	0.03	0.060	O	|	|	|	|	0.14	298.000	0.00	0.03	0.047	O	|	|	|	|	0.11
292.917	0.00	0.03	0.060	O	|	|	|	|	0.14	298.083	0.00	0.03	0.047	O	|	|	|	|	0.11
293.000	0.00	0.03	0.060	O	|	|	|	|	0.14	298.167	0.00	0.03	0.047	O	|	|	|	|	0.11
293.083	0.00	0.03	0.060	O	|	|	|	|	0.14	298.250	0.00	0.03	0.047	O	|	|	|	|	0.11
293.167	0.00	0.03	0.059	O	|	|	|	|	0.14	298.333	0.00	0.03	0.046	O	|	|	|	|	0.11
293.250	0.00	0.03	0.059	O	|	|	|	|	0.14	298.417	0.00	0.03	0.046	O	|	|	|	|	0.11
293.333	0.00	0.03	0.059	O	|	|	|	|	0.14	298.500	0.00	0.03	0.046	O	|	|	|	|	0.11
293.417	0.00	0.03	0.059	O	|	|	|	|	0.14	298.583	0.00	0.03	0.046	O	|	|	|	|	0.11
293.500	0.00	0.03	0.058	O	|	|	|	|	0.14	298.667	0.00	0.03	0.046	O	|	|	|	|	0.11
293.583	0.00	0.03	0.058	O	|	|	|	|	0.14	298.750	0.00	0.03	0.046	O	|	|	|	|	0.11
293.667	0.00	0.03	0.058	O	|	|	|	|	0.14	298.833	0.00	0.03	0.045	O	|	|	|	|	0.11
293.750	0.00	0.03	0.058	O	|	|	|	|	0.14	298.917	0.00	0.03	0.045	O	|	|	|	|	0.11
293.833	0.00	0.03	0.058	O	|	|	|	|	0.14	299.000	0.00	0.03	0.045	O	|	|	|	|	0.11
293.917	0.00	0.03	0.057	O	|	|	|	|	0.14	299.083	0.00	0.03	0.045	O	|	|	|	|	0.11
294.000	0.00	0.03	0.057	O	|	|	|	|	0.14	299.167	0.00	0.03	0.045	O	|	|	|	|	0.11
294.083	0.00	0.03	0.057	O	|	|	|	|	0.14	299.250	0.00	0.03	0.044	O	|	|	|	|	0.11
294.167	0.00	0.03	0.057	O	|	|	|	|	0.14	299.333	0.00	0.03	0.044	O	|	|	|	|	0.11
294.250	0.00	0.03	0.056	O	|	|	|	|	0.14	299.417	0.00	0.03	0.044	O	|	|	|	|	0.11
294.333	0.00	0.03	0.056	O	|	|	|	|	0.13	299.500	0.00	0.03	0.044	O	|	|	|	|	0.11
294.417	0.00	0.03	0.056	O	|	|	|	|	0.13	299.583	0.00	0.03	0.044	O	|	|	|	|	0.10
294.500	0.00	0.03	0.056	O	|	|	|	|	0.13	299.667	0.00	0.03	0.044	O	|	|	|	|	0.10
294.583	0.00	0.03	0.056	O	|	|	|	|	0.13	299.750	0.00	0.02	0.043	O	|	|	|	|	0.10
294.667	0.00	0.03	0.055	O	|	|	|	|	0.13	299.833	0.00	0.02	0.043	O	|	|	|	|	0.10
294.750	0.00	0.03	0.055	O	|	|	|	|	0.13	299.917	0.00	0.02	0.043	O	|	|	|	|	0.10
294.833	0.00	0.03	0.055	O	|	|	|	|	0.13	300.000	0.00	0.02	0.043	O	|	|	|	|	0.10
294.917	0.00	0.03	0.055	O	|	|	|	|	0.13	300.083	0.00	0.02	0.043	O	|	|	|	|	0.10
295.000	0.00	0.03	0.054	O	|	|	|	|	0.13	300.167	0.00	0.02	0.043	O	|	|	|	|	0.10
295.083	0.00	0.03	0.054	O	|	|	|	|	0.13	300.250	0.00	0.02	0.042	O	|	|	|	|	0.10
295.167	0.00	0.03	0.054	O	|	|	|	|	0.13	300.333	0.00	0.02	0.042	O	|	|	|	|	0.10
295.250	0.00	0.03	0.054	O	|	|	|	|	0.13	300.417	0.00	0.02	0.042	O	|	|	|	|	0.10
295.333	0.00	0.03	0.054	O	|	|	|	|	0.13	300.500	0.00	0.02	0.042	O	|	|	|	|	0.10
295.417	0.00	0.03	0.053	O	|	|	|	|	0.13	300.583	0.00	0.02	0.042	O	|	|	|	|	0.10
295.500	0.00	0.03	0.053	O	|	|	|	|	0.13	300.667	0.00	0.02	0.042	O	|	|	|	|	0.10
295.583	0.00	0.03	0.053	O	|	|	|	|	0.13	300.750	0.00	0.02	0.041	O	|	|	|	|	0.10
295.667	0.00	0.03	0.053	O	|	|	|	|	0.13	300.833	0.00	0.02	0.041	O	|	|	|	|	0.10
295.750	0.00	0.03	0.053	O	|	|	|	|	0.13	300.917	0.00	0.02	0.041	O	|	|	|	|	0.10
295.833	0.00	0.03	0.052	O	|	|	|	|	0.13	301.000	0.00	0.02	0.041	O	|	|	|	|	0.10
295.917	0.00	0.03	0.052	O	|	|	|	|	0.12	301.083	0.00	0.02	0.041	O	|	|	|	|	0.10
296.000	0.00	0.03	0.052	O	|	|	|	|	0.12	301.167	0.00	0.02	0.041	O	|	|	|	|	0.10
296.083	0.00	0.03	0.052	O	|	|	|	|	0.12	301.250	0.00	0.02	0.040	O	|	|	|	|	0.10
296.167	0.00	0.03	0.051	O	|	|	|	|	0.12	301.333	0.00	0.02	0.040	O	|	|	|	|	0.10
296.250	0.00	0.03	0.051	O	|	|	|	|	0.12	301.417	0.00	0.02	0.040	O	|	|	|	|	0.10
296.333	0.00	0.03	0.051	O	|	|	|	|	0.12	301.500	0.00	0.02	0.040	O	|	|	|	|	0.10
296.417	0.00	0.03	0.051	O	|	|	|	|	0.12	301.583	0.00	0.02	0.040	O	|	|	|	|	0.10
296.500	0.00	0.03	0.051	O	|	|	|	|	0.12	301.667	0.00	0.02	0.040	O	|	|	|	|	0.10
296.583	0.00	0.03	0.050	O	|	|	|	|	0.12	301.750	0.00	0.02	0.039	O	|	|	|	|	0.09
296.667	0.00	0.03	0.050	O	|	|	|	|	0.12	301.833	0.00	0.02	0.039	O	|	|	|	|	0.09
296.750	0.00	0.03	0.050	O	|	|	|	|	0.12	301.917	0.00	0.02	0.039	O	|	|	|	|	0.09
296.833	0.00	0.03	0.050	O	|	|	|	|	0.12	302.000	0.00	0.02	0.039	O	|	|	|	|	0.09
296.917	0.00	0.03	0.050	O	|	|	|	|	0.12	302.083	0.00	0.02	0.039	O	|	|	|	|	0.09
297.000	0.00	0.03	0.049	O	|	|	|	|	0.12	302.167	0.00	0.02	0.039	O	|	|	|	|	0.09
297.083	0.00	0.03	0.049	O	|	|	|	|	0.12	302.250	0.00	0.02	0.039	O	|	|	|	|	0.09

302.333	0.00	0.02	0.038	O					0.09	307.500	0.00	0.02	0.030	O					0.07
302.417	0.00	0.02	0.038	O					0.09	307.583	0.00	0.02	0.030	O					0.07
302.500	0.00	0.02	0.038	O					0.09	307.667	0.00	0.02	0.030	O					0.07
302.583	0.00	0.02	0.038	O					0.09	307.750	0.00	0.02	0.030	O					0.07
302.667	0.00	0.02	0.038	O					0.09	307.833	0.00	0.02	0.030	O					0.07
302.750	0.00	0.02	0.038	O					0.09	307.917	0.00	0.02	0.029	O					0.07
302.833	0.00	0.02	0.038	O					0.09	308.000	0.00	0.02	0.029	O					0.07
302.917	0.00	0.02	0.037	O					0.09	308.083	0.00	0.02	0.029	O					0.07
303.000	0.00	0.02	0.037	O					0.09	308.167	0.00	0.02	0.029	O					0.07
303.083	0.00	0.02	0.037	O					0.09	308.250	0.00	0.02	0.029	O					0.07
303.167	0.00	0.02	0.037	O					0.09	308.333	0.00	0.02	0.029	O					0.07
303.250	0.00	0.02	0.037	O					0.09	308.417	0.00	0.02	0.029	O					0.07
303.333	0.00	0.02	0.037	O					0.09	308.500	0.00	0.02	0.029	O					0.07
303.417	0.00	0.02	0.036	O					0.09	308.583	0.00	0.02	0.029	O					0.07
303.500	0.00	0.02	0.036	O					0.09	308.667	0.00	0.02	0.028	O					0.07
303.583	0.00	0.02	0.036	O					0.09	308.750	0.00	0.02	0.028	O					0.07
303.667	0.00	0.02	0.036	O					0.09	308.833	0.00	0.02	0.028	O					0.07
303.750	0.00	0.02	0.036	O					0.09	308.917	0.00	0.02	0.028	O					0.07
303.833	0.00	0.02	0.036	O					0.09	309.000	0.00	0.02	0.028	O					0.07
303.917	0.00	0.02	0.036	O					0.09	309.083	0.00	0.02	0.028	O					0.07
304.000	0.00	0.02	0.035	O					0.09	309.167	0.00	0.02	0.028	O					0.07
304.083	0.00	0.02	0.035	O					0.08	309.250	0.00	0.02	0.028	O					0.07
304.167	0.00	0.02	0.035	O					0.08	309.333	0.00	0.02	0.028	O					0.07
304.250	0.00	0.02	0.035	O					0.08	309.417	0.00	0.02	0.027	O					0.07
304.333	0.00	0.02	0.035	O					0.08	309.500	0.00	0.02	0.027	O					0.07
304.417	0.00	0.02	0.035	O					0.08	309.583	0.00	0.02	0.027	O					0.07
304.500	0.00	0.02	0.035	O					0.08	309.667	0.00	0.02	0.027	O					0.06
304.583	0.00	0.02	0.035	O					0.08	309.750	0.00	0.02	0.027	O					0.06
304.667	0.00	0.02	0.034	O					0.08	309.833	0.00	0.02	0.027	O					0.06
304.750	0.00	0.02	0.034	O					0.08	309.917	0.00	0.02	0.027	O					0.06
304.833	0.00	0.02	0.034	O					0.08	310.000	0.00	0.02	0.027	O					0.06
304.917	0.00	0.02	0.034	O					0.08	310.083	0.00	0.02	0.027	O					0.06
305.000	0.00	0.02	0.034	O					0.08	310.167	0.00	0.02	0.026	O					0.06
305.083	0.00	0.02	0.034	O					0.08	310.250	0.00	0.02	0.026	O					0.06
305.167	0.00	0.02	0.034	O					0.08	310.333	0.00	0.02	0.026	O					0.06
305.250	0.00	0.02	0.033	O					0.08	310.417	0.00	0.02	0.026	O					0.06
305.333	0.00	0.02	0.033	O					0.08	310.500	0.00	0.01	0.026	O					0.06
305.417	0.00	0.02	0.033	O					0.08	310.583	0.00	0.01	0.026	O					0.06
305.500	0.00	0.02	0.033	O					0.08	310.667	0.00	0.01	0.026	O					0.06
305.583	0.00	0.02	0.033	O					0.08	310.750	0.00	0.01	0.026	O					0.06
305.667	0.00	0.02	0.033	O					0.08	310.833	0.00	0.01	0.026	O					0.06
305.750	0.00	0.02	0.033	O					0.08	310.917	0.00	0.01	0.026	O					0.06
305.833	0.00	0.02	0.033	O					0.08	311.000	0.00	0.01	0.025	O					0.06
305.917	0.00	0.02	0.032	O					0.08	311.083	0.00	0.01	0.025	O					0.06
306.000	0.00	0.02	0.032	O					0.08	311.167	0.00	0.01	0.025	O					0.06
306.083	0.00	0.02	0.032	O					0.08	311.250	0.00	0.01	0.025	O					0.06
306.167	0.00	0.02	0.032	O					0.08	311.333	0.00	0.01	0.025	O					0.06
306.250	0.00	0.02	0.032	O					0.08	311.417	0.00	0.01	0.025	O					0.06
306.333	0.00	0.02	0.032	O					0.08	311.500	0.00	0.01	0.025	O					0.06
306.417	0.00	0.02	0.032	O					0.08	311.583	0.00	0.01	0.025	O					0.06
306.500	0.00	0.02	0.032	O					0.08	311.667	0.00	0.01	0.025	O					0.06
306.583	0.00	0.02	0.031	O					0.08	311.750	0.00	0.01	0.025	O					0.06
306.667	0.00	0.02	0.031	O					0.07	311.833	0.00	0.01	0.024	O					0.06
306.750	0.00	0.02	0.031	O					0.07	311.917	0.00	0.01	0.024	O					0.06
306.833	0.00	0.02	0.031	O					0.07	312.000	0.00	0.01	0.024	O					0.06
306.917	0.00	0.02	0.031	O					0.07	312.083	0.00	0.01	0.024	O					0.06
307.000	0.00	0.02	0.031	O					0.07	312.167	0.00	0.01	0.024	O					0.06
307.083	0.00	0.02	0.031	O					0.07	312.250	0.00	0.01	0.024	O					0.06
307.167	0.00	0.02	0.031	O					0.07	312.333	0.00	0.01	0.024	O					0.06
307.250	0.00	0.02	0.030	O					0.07	312.417	0.00	0.01	0.024	O					0.06
307.333	0.00	0.02	0.030	O					0.07	312.500	0.00	0.01	0.024	O					0.06
307.417	0.00	0.02	0.030	O					0.07	312.583	0.00	0.01	0.024	O					0.06

312.667	0.00	0.01	0.023	O	|	|	|	|	0.06	317.833	0.00	0.01	0.018	O	|	|	|	|	0.04
312.750	0.00	0.01	0.023	O	|	|	|	|	0.06	317.917	0.00	0.01	0.018	O	|	|	|	|	0.04
312.833	0.00	0.01	0.023	O	|	|	|	|	0.06	318.000	0.00	0.01	0.018	O	|	|	|	|	0.04
312.917	0.00	0.01	0.023	O	|	|	|	|	0.06	318.083	0.00	0.01	0.018	O	|	|	|	|	0.04
313.000	0.00	0.01	0.023	O	|	|	|	|	0.06	318.167	0.00	0.01	0.018	O	|	|	|	|	0.04
313.083	0.00	0.01	0.023	O	|	|	|	|	0.06	318.250	0.00	0.01	0.018	O	|	|	|	|	0.04
313.167	0.00	0.01	0.023	O	|	|	|	|	0.06	318.333	0.00	0.01	0.018	O	|	|	|	|	0.04
313.250	0.00	0.01	0.023	O	|	|	|	|	0.05	318.417	0.00	0.01	0.018	O	|	|	|	|	0.04
313.333	0.00	0.01	0.023	O	|	|	|	|	0.05	318.500	0.00	0.01	0.018	O	|	|	|	|	0.04
313.417	0.00	0.01	0.023	O	|	|	|	|	0.05	318.583	0.00	0.01	0.018	O	|	|	|	|	0.04
313.500	0.00	0.01	0.023	O	|	|	|	|	0.05	318.667	0.00	0.01	0.018	O	|	|	|	|	0.04
313.583	0.00	0.01	0.022	O	|	|	|	|	0.05	318.750	0.00	0.01	0.018	O	|	|	|	|	0.04
313.667	0.00	0.01	0.022	O	|	|	|	|	0.05	318.833	0.00	0.01	0.018	O	|	|	|	|	0.04
313.750	0.00	0.01	0.022	O	|	|	|	|	0.05	318.917	0.00	0.01	0.017	O	|	|	|	|	0.04
313.833	0.00	0.01	0.022	O	|	|	|	|	0.05	319.000	0.00	0.01	0.017	O	|	|	|	|	0.04
313.917	0.00	0.01	0.022	O	|	|	|	|	0.05	319.083	0.00	0.01	0.017	O	|	|	|	|	0.04
314.000	0.00	0.01	0.022	O	|	|	|	|	0.05	319.167	0.00	0.01	0.017	O	|	|	|	|	0.04
314.083	0.00	0.01	0.022	O	|	|	|	|	0.05	319.250	0.00	0.01	0.017	O	|	|	|	|	0.04
314.167	0.00	0.01	0.022	O	|	|	|	|	0.05	319.333	0.00	0.01	0.017	O	|	|	|	|	0.04
314.250	0.00	0.01	0.022	O	|	|	|	|	0.05	319.417	0.00	0.01	0.017	O	|	|	|	|	0.04
314.333	0.00	0.01	0.022	O	|	|	|	|	0.05	319.500	0.00	0.01	0.017	O	|	|	|	|	0.04
314.417	0.00	0.01	0.022	O	|	|	|	|	0.05	319.583	0.00	0.01	0.017	O	|	|	|	|	0.04
314.500	0.00	0.01	0.022	O	|	|	|	|	0.05	319.667	0.00	0.01	0.017	O	|	|	|	|	0.04
314.583	0.00	0.01	0.021	O	|	|	|	|	0.05	319.750	0.00	0.01	0.017	O	|	|	|	|	0.04
314.667	0.00	0.01	0.021	O	|	|	|	|	0.05	319.833	0.00	0.01	0.017	O	|	|	|	|	0.04
314.750	0.00	0.01	0.021	O	|	|	|	|	0.05	319.917	0.00	0.01	0.017	O	|	|	|	|	0.04
314.833	0.00	0.01	0.021	O	|	|	|	|	0.05	320.000	0.00	0.01	0.017	O	|	|	|	|	0.04
314.917	0.00	0.01	0.021	O	|	|	|	|	0.05	320.083	0.00	0.01	0.017	O	|	|	|	|	0.04
315.000	0.00	0.01	0.021	O	|	|	|	|	0.05	320.167	0.00	0.01	0.016	O	|	|	|	|	0.04
315.083	0.00	0.01	0.021	O	|	|	|	|	0.05	320.250	0.00	0.01	0.016	O	|	|	|	|	0.04
315.167	0.00	0.01	0.021	O	|	|	|	|	0.05	320.333	0.00	0.01	0.016	O	|	|	|	|	0.04
315.250	0.00	0.01	0.021	O	|	|	|	|	0.05	320.417	0.00	0.01	0.016	O	|	|	|	|	0.04
315.333	0.00	0.01	0.021	O	|	|	|	|	0.05	320.500	0.00	0.01	0.016	O	|	|	|	|	0.04
315.417	0.00	0.01	0.021	O	|	|	|	|	0.05	320.583	0.00	0.01	0.016	O	|	|	|	|	0.04
315.500	0.00	0.01	0.021	O	|	|	|	|	0.05	320.667	0.00	0.01	0.016	O	|	|	|	|	0.04
315.583	0.00	0.01	0.020	O	|	|	|	|	0.05	320.750	0.00	0.01	0.016	O	|	|	|	|	0.04
315.667	0.00	0.01	0.020	O	|	|	|	|	0.05	320.833	0.00	0.01	0.016	O	|	|	|	|	0.04
315.750	0.00	0.01	0.020	O	|	|	|	|	0.05	320.917	0.00	0.01	0.016	O	|	|	|	|	0.04
315.833	0.00	0.01	0.020	O	|	|	|	|	0.05	321.000	0.00	0.01	0.016	O	|	|	|	|	0.04
315.917	0.00	0.01	0.020	O	|	|	|	|	0.05	321.083	0.00	0.01	0.016	O	|	|	|	|	0.04
316.000	0.00	0.01	0.020	O	|	|	|	|	0.05	321.167	0.00	0.01	0.016	O	|	|	|	|	0.04
316.083	0.00	0.01	0.020	O	|	|	|	|	0.05	321.250	0.00	0.01	0.016	O	|	|	|	|	0.04
316.167	0.00	0.01	0.020	O	|	|	|	|	0.05	321.333	0.00	0.01	0.016	O	|	|	|	|	0.04
316.250	0.00	0.01	0.020	O	|	|	|	|	0.05	321.417	0.00	0.01	0.015	O	|	|	|	|	0.04
316.333	0.00	0.01	0.020	O	|	|	|	|	0.05	321.500	0.00	0.01	0.015	O	|	|	|	|	0.04
316.417	0.00	0.01	0.020	O	|	|	|	|	0.05	321.583	0.00	0.01	0.015	O	|	|	|	|	0.04
316.500	0.00	0.01	0.020	O	|	|	|	|	0.05	321.667	0.00	0.01	0.015	O	|	|	|	|	0.04
316.583	0.00	0.01	0.019	O	|	|	|	|	0.05	321.750	0.00	0.01	0.015	O	|	|	|	|	0.04
316.667	0.00	0.01	0.019	O	|	|	|	|	0.05	321.833	0.00	0.01	0.015	O	|	|	|	|	0.04
316.750	0.00	0.01	0.019	O	|	|	|	|	0.05	321.917	0.00	0.01	0.015	O	|	|	|	|	0.04
316.833	0.00	0.01	0.019	O	|	|	|	|	0.05	322.000	0.00	0.01	0.015	O	|	|	|	|	0.04
316.917	0.00	0.01	0.019	O	|	|	|	|	0.05	322.083	0.00	0.01	0.015	O	|	|	|	|	0.04
317.000	0.00	0.01	0.019	O	|	|	|	|	0.05	322.167	0.00	0.01	0.015	O	|	|	|	|	0.04
317.083	0.00	0.01	0.019	O	|	|	|	|	0.05	322.250	0.00	0.01	0.015	O	|	|	|	|	0.04
317.167	0.00	0.01	0.019	O	|	|	|	|	0.05	322.333	0.00	0.01	0.015	O	|	|	|	|	0.04
317.250	0.00	0.01	0.019	O	|	|	|	|	0.05	322.417	0.00	0.01	0.015	O	|	|	|	|	0.04
317.333	0.00	0.01	0.019	O	|	|	|	|	0.05	322.500	0.00	0.01	0.015	O	|	|	|	|	0.04
317.417	0.00	0.01	0.019	O	|	|	|	|	0.04	322.583	0.00	0.01	0.015	O	|	|	|	|	0.04
317.500	0.00	0.01	0.019	O	|	|	|	|	0.04	322.667	0.00	0.01	0.015	O	|	|	|	|	0.04
317.583	0.00	0.01	0.019	O	|	|	|	|	0.04	322.750	0.00	0.01	0.015	O	|	|	|	|	0.03
317.667	0.00	0.01	0.019	O	|	|	|	|	0.04	322.833	0.00	0.01	0.014	O	|	|	|	|	0.03
317.750	0.00	0.01	0.018	O	|	|	|	|	0.04	322.917	0.00	0.01	0.014	O	|	|	|	|	0.03

323.000	0.00	0.01	0.014	O					0.03	328.167	0.00	0.01	0.011	O					0.03
323.083	0.00	0.01	0.014	O					0.03	328.250	0.00	0.01	0.011	O					0.03
323.167	0.00	0.01	0.014	O					0.03	328.333	0.00	0.01	0.011	O					0.03
323.250	0.00	0.01	0.014	O					0.03	328.417	0.00	0.01	0.011	O					0.03
323.333	0.00	0.01	0.014	O					0.03	328.500	0.00	0.01	0.011	O					0.03
323.417	0.00	0.01	0.014	O					0.03	328.583	0.00	0.01	0.011	O					0.03
323.500	0.00	0.01	0.014	O					0.03	328.667	0.00	0.01	0.011	O					0.03
323.583	0.00	0.01	0.014	O					0.03	328.750	0.00	0.01	0.011	O					0.03
323.667	0.00	0.01	0.014	O					0.03	328.833	0.00	0.01	0.011	O					0.03
323.750	0.00	0.01	0.014	O					0.03	328.917	0.00	0.01	0.011	O					0.03
323.833	0.00	0.01	0.014	O					0.03	329.000	0.00	0.01	0.011	O					0.03
323.917	0.00	0.01	0.014	O					0.03	329.083	0.00	0.01	0.011	O					0.03
324.000	0.00	0.01	0.014	O					0.03	329.167	0.00	0.01	0.011	O					0.03
324.083	0.00	0.01	0.014	O					0.03	329.250	0.00	0.01	0.011	O					0.03
324.167	0.00	0.01	0.014	O					0.03	329.333	0.00	0.01	0.011	O					0.03
324.250	0.00	0.01	0.014	O					0.03	329.417	0.00	0.01	0.011	O					0.03
324.333	0.00	0.01	0.013	O					0.03	329.500	0.00	0.01	0.011	O					0.03
324.417	0.00	0.01	0.013	O					0.03	329.583	0.00	0.01	0.011	O					0.03
324.500	0.00	0.01	0.013	O					0.03	329.667	0.00	0.01	0.010	O					0.03
324.583	0.00	0.01	0.013	O					0.03	329.750	0.00	0.01	0.010	O					0.02
324.667	0.00	0.01	0.013	O					0.03	329.833	0.00	0.01	0.010	O					0.02
324.750	0.00	0.01	0.013	O					0.03	329.917	0.00	0.01	0.010	O					0.02
324.833	0.00	0.01	0.013	O					0.03	330.000	0.00	0.01	0.010	O					0.02
324.917	0.00	0.01	0.013	O					0.03	330.083	0.00	0.01	0.010	O					0.02
325.000	0.00	0.01	0.013	O					0.03	330.167	0.00	0.01	0.010	O					0.02
325.083	0.00	0.01	0.013	O					0.03	330.250	0.00	0.01	0.010	O					0.02
325.167	0.00	0.01	0.013	O					0.03	330.333	0.00	0.01	0.010	O					0.02
325.250	0.00	0.01	0.013	O					0.03	330.417	0.00	0.01	0.010	O					0.02
325.333	0.00	0.01	0.013	O					0.03	330.500	0.00	0.01	0.010	O					0.02
325.417	0.00	0.01	0.013	O					0.03	330.583	0.00	0.01	0.010	O					0.02
325.500	0.00	0.01	0.013	O					0.03	330.667	0.00	0.01	0.010	O					0.02
325.583	0.00	0.01	0.013	O					0.03	330.750	0.00	0.01	0.010	O					0.02
325.667	0.00	0.01	0.013	O					0.03	330.833	0.00	0.01	0.010	O					0.02
325.750	0.00	0.01	0.013	O					0.03	330.917	0.00	0.01	0.010	O					0.02
325.833	0.00	0.01	0.013	O					0.03	331.000	0.00	0.01	0.010	O					0.02
325.917	0.00	0.01	0.013	O					0.03	331.083	0.00	0.01	0.010	O					0.02
326.000	0.00	0.01	0.012	O					0.03	331.167	0.00	0.01	0.010	O					0.02
326.083	0.00	0.01	0.012	O					0.03	331.250	0.00	0.01	0.010	O					0.02
326.167	0.00	0.01	0.012	O					0.03	331.333	0.00	0.01	0.010	O					0.02
326.250	0.00	0.01	0.012	O					0.03	331.417	0.00	0.01	0.010	O					0.02
326.333	0.00	0.01	0.012	O					0.03	331.500	0.00	0.01	0.010	O					0.02
326.417	0.00	0.01	0.012	O					0.03	331.583	0.00	0.01	0.010	O					0.02
326.500	0.00	0.01	0.012	O					0.03	331.667	0.00	0.01	0.010	O					0.02
326.583	0.00	0.01	0.012	O					0.03	331.750	0.00	0.01	0.009	O					0.02
326.667	0.00	0.01	0.012	O					0.03	331.833	0.00	0.01	0.009	O					0.02
326.750	0.00	0.01	0.012	O					0.03	331.917	0.00	0.01	0.009	O					0.02
326.833	0.00	0.01	0.012	O					0.03	332.000	0.00	0.01	0.009	O					0.02
326.917	0.00	0.01	0.012	O					0.03	332.083	0.00	0.01	0.009	O					0.02
327.000	0.00	0.01	0.012	O					0.03	332.167	0.00	0.01	0.009	O					0.02
327.083	0.00	0.01	0.012	O					0.03	332.250	0.00	0.01	0.009	O					0.02
327.167	0.00	0.01	0.012	O					0.03	332.333	0.00	0.01	0.009	O					0.02
327.250	0.00	0.01	0.012	O					0.03	332.417	0.00	0.01	0.009	O					0.02
327.333	0.00	0.01	0.012	O					0.03	332.500	0.00	0.01	0.009	O					0.02
327.417	0.00	0.01	0.012	O					0.03	332.583	0.00	0.01	0.009	O					0.02
327.500	0.00	0.01	0.012	O					0.03	332.667	0.00	0.01	0.009	O					0.02
327.583	0.00	0.01	0.012	O					0.03	332.750	0.00	0.01	0.009	O					0.02
327.667	0.00	0.01	0.012	O					0.03	332.833	0.00	0.01	0.009	O					0.02
327.750	0.00	0.01	0.011	O					0.03	332.917	0.00	0.01	0.009	O					0.02
327.833	0.00	0.01	0.011	O					0.03	333.000	0.00	0.01	0.009	O					0.02
327.917	0.00	0.01	0.011	O					0.03	333.083	0.00	0.01	0.009	O					0.02
328.000	0.00	0.01	0.011	O					0.03	333.167	0.00	0.01	0.009	O					0.02
328.083	0.00	0.01	0.011	O					0.03	333.250	0.00	0.01	0.009	O					0.02

333.333	0.00	0.01	0.009	O	|	|	|	|	0.02	338.500	0.00	0.00	0.007	O	|	|	|	|	0.02
333.417	0.00	0.01	0.009	O	|	|	|	|	0.02	338.583	0.00	0.00	0.007	O	|	|	|	|	0.02
333.500	0.00	0.01	0.009	O	|	|	|	|	0.02	338.667	0.00	0.00	0.007	O	|	|	|	|	0.02
333.583	0.00	0.00	0.009	O	|	|	|	|	0.02	338.750	0.00	0.00	0.007	O	|	|	|	|	0.02
333.667	0.00	0.00	0.009	O	|	|	|	|	0.02	338.833	0.00	0.00	0.007	O	|	|	|	|	0.02
333.750	0.00	0.00	0.009	O	|	|	|	|	0.02	338.917	0.00	0.00	0.007	O	|	|	|	|	0.02
333.833	0.00	0.00	0.009	O	|	|	|	|	0.02	339.000	0.00	0.00	0.007	O	|	|	|	|	0.02
333.917	0.00	0.00	0.009	O	|	|	|	|	0.02	339.083	0.00	0.00	0.007	O	|	|	|	|	0.02
334.000	0.00	0.00	0.009	O	|	|	|	|	0.02	339.167	0.00	0.00	0.007	O	|	|	|	|	0.02
334.083	0.00	0.00	0.008	O	|	|	|	|	0.02	339.250	0.00	0.00	0.007	O	|	|	|	|	0.02
334.167	0.00	0.00	0.008	O	|	|	|	|	0.02	339.333	0.00	0.00	0.007	O	|	|	|	|	0.02
334.250	0.00	0.00	0.008	O	|	|	|	|	0.02	339.417	0.00	0.00	0.007	O	|	|	|	|	0.02
334.333	0.00	0.00	0.008	O	|	|	|	|	0.02	339.500	0.00	0.00	0.007	O	|	|	|	|	0.02
334.417	0.00	0.00	0.008	O	|	|	|	|	0.02	339.583	0.00	0.00	0.007	O	|	|	|	|	0.02
334.500	0.00	0.00	0.008	O	|	|	|	|	0.02	339.667	0.00	0.00	0.007	O	|	|	|	|	0.02
334.583	0.00	0.00	0.008	O	|	|	|	|	0.02	339.750	0.00	0.00	0.006	O	|	|	|	|	0.02
334.667	0.00	0.00	0.008	O	|	|	|	|	0.02	339.833	0.00	0.00	0.006	O	|	|	|	|	0.02
334.750	0.00	0.00	0.008	O	|	|	|	|	0.02	339.917	0.00	0.00	0.006	O	|	|	|	|	0.02
334.833	0.00	0.00	0.008	O	|	|	|	|	0.02	340.000	0.00	0.00	0.006	O	|	|	|	|	0.02
334.917	0.00	0.00	0.008	O	|	|	|	|	0.02	340.083	0.00	0.00	0.006	O	|	|	|	|	0.02
335.000	0.00	0.00	0.008	O	|	|	|	|	0.02	340.167	0.00	0.00	0.006	O	|	|	|	|	0.02
335.083	0.00	0.00	0.008	O	|	|	|	|	0.02	340.250	0.00	0.00	0.006	O	|	|	|	|	0.02
335.167	0.00	0.00	0.008	O	|	|	|	|	0.02	340.333	0.00	0.00	0.006	O	|	|	|	|	0.02
335.250	0.00	0.00	0.008	O	|	|	|	|	0.02	340.417	0.00	0.00	0.006	O	|	|	|	|	0.02
335.333	0.00	0.00	0.008	O	|	|	|	|	0.02	340.500	0.00	0.00	0.006	O	|	|	|	|	0.01
335.417	0.00	0.00	0.008	O	|	|	|	|	0.02	340.583	0.00	0.00	0.006	O	|	|	|	|	0.01
335.500	0.00	0.00	0.008	O	|	|	|	|	0.02	340.667	0.00	0.00	0.006	O	|	|	|	|	0.01
335.583	0.00	0.00	0.008	O	|	|	|	|	0.02	340.750	0.00	0.00	0.006	O	|	|	|	|	0.01
335.667	0.00	0.00	0.008	O	|	|	|	|	0.02	340.833	0.00	0.00	0.006	O	|	|	|	|	0.01
335.750	0.00	0.00	0.008	O	|	|	|	|	0.02	340.917	0.00	0.00	0.006	O	|	|	|	|	0.01
335.833	0.00	0.00	0.008	O	|	|	|	|	0.02	341.000	0.00	0.00	0.006	O	|	|	|	|	0.01
335.917	0.00	0.00	0.008	O	|	|	|	|	0.02	341.083	0.00	0.00	0.006	O	|	|	|	|	0.01
336.000	0.00	0.00	0.008	O	|	|	|	|	0.02	341.167	0.00	0.00	0.006	O	|	|	|	|	0.01
336.083	0.00	0.00	0.008	O	|	|	|	|	0.02	341.250	0.00	0.00	0.006	O	|	|	|	|	0.01
336.167	0.00	0.00	0.008	O	|	|	|	|	0.02	341.333	0.00	0.00	0.006	O	|	|	|	|	0.01
336.250	0.00	0.00	0.008	O	|	|	|	|	0.02	341.417	0.00	0.00	0.006	O	|	|	|	|	0.01
336.333	0.00	0.00	0.008	O	|	|	|	|	0.02	341.500	0.00	0.00	0.006	O	|	|	|	|	0.01
336.417	0.00	0.00	0.008	O	|	|	|	|	0.02	341.583	0.00	0.00	0.006	O	|	|	|	|	0.01
336.500	0.00	0.00	0.008	O	|	|	|	|	0.02	341.667	0.00	0.00	0.006	O	|	|	|	|	0.01
336.583	0.00	0.00	0.008	O	|	|	|	|	0.02	341.750	0.00	0.00	0.006	O	|	|	|	|	0.01
336.667	0.00	0.00	0.008	O	|	|	|	|	0.02	341.833	0.00	0.00	0.006	O	|	|	|	|	0.01
336.750	0.00	0.00	0.007	O	|	|	|	|	0.02	341.917	0.00	0.00	0.006	O	|	|	|	|	0.01
336.833	0.00	0.00	0.007	O	|	|	|	|	0.02	342.000	0.00	0.00	0.006	O	|	|	|	|	0.01
336.917	0.00	0.00	0.007	O	|	|	|	|	0.02	342.083	0.00	0.00	0.006	O	|	|	|	|	0.01
337.000	0.00	0.00	0.007	O	|	|	|	|	0.02	342.167	0.00	0.00	0.006	O	|	|	|	|	0.01
337.083	0.00	0.00	0.007	O	|	|	|	|	0.02	342.250	0.00	0.00	0.006	O	|	|	|	|	0.01
337.167	0.00	0.00	0.007	O	|	|	|	|	0.02	342.333	0.00	0.00	0.006	O	|	|	|	|	0.01
337.250	0.00	0.00	0.007	O	|	|	|	|	0.02	342.417	0.00	0.00	0.006	O	|	|	|	|	0.01
337.333	0.00	0.00	0.007	O	|	|	|	|	0.02	342.500	0.00	0.00	0.006	O	|	|	|	|	0.01
337.417	0.00	0.00	0.007	O	|	|	|	|	0.02	342.583	0.00	0.00	0.006	O	|	|	|	|	0.01
337.500	0.00	0.00	0.007	O	|	|	|	|	0.02	342.667	0.00	0.00	0.006	O	|	|	|	|	0.01
337.583	0.00	0.00	0.007	O	|	|	|	|	0.02	342.750	0.00	0.00	0.006	O	|	|	|	|	0.01
337.667	0.00	0.00	0.007	O	|	|	|	|	0.02	342.833	0.00	0.00	0.006	O	|	|	|	|	0.01
337.750	0.00	0.00	0.007	O	|	|	|	|	0.02	342.917	0.00	0.00	0.006	O	|	|	|	|	0.01
337.833	0.00	0.00	0.007	O	|	|	|	|	0.02	343.000	0.00	0.00	0.006	O	|	|	|	|	0.01
337.917	0.00	0.00	0.007	O	|	|	|	|	0.02	343.083	0.00	0.00	0.006	O	|	|	|	|	0.01
338.000	0.00	0.00	0.007	O	|	|	|	|	0.02	343.167	0.00	0.00	0.006	O	|	|	|	|	0.01
338.083	0.00	0.00	0.007	O	|	|	|	|	0.02	343.250	0.00	0.00	0.005	O	|	|	|	|	0.01
338.167	0.00	0.00	0.007	O	|	|	|	|	0.02	343.333	0.00	0.00	0.005	O	|	|	|	|	0.01
338.250	0.00	0.00	0.007	O	|	|	|	|	0.02	343.417	0.00	0.00	0.005	O	|	|	|	|	0.01
338.333	0.00	0.00	0.007	O	|	|	|	|	0.02	343.500	0.00	0.00	0.005	O	|	|	|	|	0.01
338.417	0.00	0.00	0.007	O	|	|	|	|	0.02	343.583	0.00	0.00	0.005	O	|	|	|	|	0.01

343.667	0.00	0.00	0.005	O	|	|	|	|	0.01	348.833	0.00	0.00	0.004	O	|	|	|	|	0.01
343.750	0.00	0.00	0.005	O	|	|	|	|	0.01	348.917	0.00	0.00	0.004	O	|	|	|	|	0.01
343.833	0.00	0.00	0.005	O	|	|	|	|	0.01	349.000	0.00	0.00	0.004	O	|	|	|	|	0.01
343.917	0.00	0.00	0.005	O	|	|	|	|	0.01	349.083	0.00	0.00	0.004	O	|	|	|	|	0.01
344.000	0.00	0.00	0.005	O	|	|	|	|	0.01	349.167	0.00	0.00	0.004	O	|	|	|	|	0.01
344.083	0.00	0.00	0.005	O	|	|	|	|	0.01	349.250	0.00	0.00	0.004	O	|	|	|	|	0.01
344.167	0.00	0.00	0.005	O	|	|	|	|	0.01	349.333	0.00	0.00	0.004	O	|	|	|	|	0.01
344.250	0.00	0.00	0.005	O	|	|	|	|	0.01	349.417	0.00	0.00	0.004	O	|	|	|	|	0.01
344.333	0.00	0.00	0.005	O	|	|	|	|	0.01	349.500	0.00	0.00	0.004	O	|	|	|	|	0.01
344.417	0.00	0.00	0.005	O	|	|	|	|	0.01	349.583	0.00	0.00	0.004	O	|	|	|	|	0.01
344.500	0.00	0.00	0.005	O	|	|	|	|	0.01	349.667	0.00	0.00	0.004	O	|	|	|	|	0.01
344.583	0.00	0.00	0.005	O	|	|	|	|	0.01	349.750	0.00	0.00	0.004	O	|	|	|	|	0.01
344.667	0.00	0.00	0.005	O	|	|	|	|	0.01	349.833	0.00	0.00	0.004	O	|	|	|	|	0.01
344.750	0.00	0.00	0.005	O	|	|	|	|	0.01	349.917	0.00	0.00	0.004	O	|	|	|	|	0.01
344.833	0.00	0.00	0.005	O	|	|	|	|	0.01	350.000	0.00	0.00	0.004	O	|	|	|	|	0.01
344.917	0.00	0.00	0.005	O	|	|	|	|	0.01	350.083	0.00	0.00	0.004	O	|	|	|	|	0.01
345.000	0.00	0.00	0.005	O	|	|	|	|	0.01	350.167	0.00	0.00	0.004	O	|	|	|	|	0.01
345.083	0.00	0.00	0.005	O	|	|	|	|	0.01	350.250	0.00	0.00	0.004	O	|	|	|	|	0.01
345.167	0.00	0.00	0.005	O	|	|	|	|	0.01	350.333	0.00	0.00	0.004	O	|	|	|	|	0.01
345.250	0.00	0.00	0.005	O	|	|	|	|	0.01	350.417	0.00	0.00	0.004	O	|	|	|	|	0.01
345.333	0.00	0.00	0.005	O	|	|	|	|	0.01	350.500	0.00	0.00	0.004	O	|	|	|	|	0.01
345.417	0.00	0.00	0.005	O	|	|	|	|	0.01	350.583	0.00	0.00	0.004	O	|	|	|	|	0.01
345.500	0.00	0.00	0.005	O	|	|	|	|	0.01	350.667	0.00	0.00	0.004	O	|	|	|	|	0.01
345.583	0.00	0.00	0.005	O	|	|	|	|	0.01	350.750	0.00	0.00	0.004	O	|	|	|	|	0.01
345.667	0.00	0.00	0.005	O	|	|	|	|	0.01	350.833	0.00	0.00	0.004	O	|	|	|	|	0.01
345.750	0.00	0.00	0.005	O	|	|	|	|	0.01	350.917	0.00	0.00	0.004	O	|	|	|	|	0.01
345.833	0.00	0.00	0.005	O	|	|	|	|	0.01	351.000	0.00	0.00	0.004	O	|	|	|	|	0.01
345.917	0.00	0.00	0.005	O	|	|	|	|	0.01	351.083	0.00	0.00	0.004	O	|	|	|	|	0.01
346.000	0.00	0.00	0.005	O	|	|	|	|	0.01	351.167	0.00	0.00	0.004	O	|	|	|	|	0.01
346.083	0.00	0.00	0.005	O	|	|	|	|	0.01	351.250	0.00	0.00	0.004	O	|	|	|	|	0.01
346.167	0.00	0.00	0.005	O	|	|	|	|	0.01	351.333	0.00	0.00	0.004	O	|	|	|	|	0.01
346.250	0.00	0.00	0.005	O	|	|	|	|	0.01	351.417	0.00	0.00	0.004	O	|	|	|	|	0.01
346.333	0.00	0.00	0.005	O	|	|	|	|	0.01	351.500	0.00	0.00	0.004	O	|	|	|	|	0.01
346.417	0.00	0.00	0.005	O	|	|	|	|	0.01	351.583	0.00	0.00	0.004	O	|	|	|	|	0.01
346.500	0.00	0.00	0.005	O	|	|	|	|	0.01	351.667	0.00	0.00	0.004	O	|	|	|	|	0.01
346.583	0.00	0.00	0.005	O	|	|	|	|	0.01	351.750	0.00	0.00	0.004	O	|	|	|	|	0.01
346.667	0.00	0.00	0.005	O	|	|	|	|	0.01	351.833	0.00	0.00	0.004	O	|	|	|	|	0.01
346.750	0.00	0.00	0.005	O	|	|	|	|	0.01	351.917	0.00	0.00	0.004	O	|	|	|	|	0.01
346.833	0.00	0.00	0.005	O	|	|	|	|	0.01	352.000	0.00	0.00	0.004	O	|	|	|	|	0.01
346.917	0.00	0.00	0.005	O	|	|	|	|	0.01	352.083	0.00	0.00	0.004	O	|	|	|	|	0.01
347.000	0.00	0.00	0.005	O	|	|	|	|	0.01	352.167	0.00	0.00	0.004	O	|	|	|	|	0.01
347.083	0.00	0.00	0.005	O	|	|	|	|	0.01	352.250	0.00	0.00	0.004	O	|	|	|	|	0.01
347.167	0.00	0.00	0.005	O	|	|	|	|	0.01	352.333	0.00	0.00	0.004	O	|	|	|	|	0.01
347.250	0.00	0.00	0.005	O	|	|	|	|	0.01	352.417	0.00	0.00	0.004	O	|	|	|	|	0.01
347.333	0.00	0.00	0.005	O	|	|	|	|	0.01	352.500	0.00	0.00	0.004	O	|	|	|	|	0.01
347.417	0.00	0.00	0.004	O	|	|	|	|	0.01	352.583	0.00	0.00	0.004	O	|	|	|	|	0.01
347.500	0.00	0.00	0.004	O	|	|	|	|	0.01	352.667	0.00	0.00	0.004	O	|	|	|	|	0.01
347.583	0.00	0.00	0.004	O	|	|	|	|	0.01	352.750	0.00	0.00	0.003	O	|	|	|	|	0.01
347.667	0.00	0.00	0.004	O	|	|	|	|	0.01	352.833	0.00	0.00	0.003	O	|	|	|	|	0.01
347.750	0.00	0.00	0.004	O	|	|	|	|	0.01	352.917	0.00	0.00	0.003	O	|	|	|	|	0.01
347.833	0.00	0.00	0.004	O	|	|	|	|	0.01	353.000	0.00	0.00	0.003	O	|	|	|	|	0.01
347.917	0.00	0.00	0.004	O	|	|	|	|	0.01	353.083	0.00	0.00	0.003	O	|	|	|	|	0.01
348.000	0.00	0.00	0.004	O	|	|	|	|	0.01	353.167	0.00	0.00	0.003	O	|	|	|	|	0.01
348.083	0.00	0.00	0.004	O	|	|	|	|	0.01	353.250	0.00	0.00	0.003	O	|	|	|	|	0.01
348.167	0.00	0.00	0.004	O	|	|	|	|	0.01	353.333	0.00	0.00	0.003	O	|	|	|	|	0.01
348.250	0.00	0.00	0.004	O	|	|	|	|	0.01	353.417	0.00	0.00	0.003	O	|	|	|	|	0.01
348.333	0.00	0.00	0.004	O	|	|	|	|	0.01	353.500	0.00	0.00	0.003	O	|	|	|	|	0.01
348.417	0.00	0.00	0.004	O	|	|	|	|	0.01	353.583	0.00	0.00	0.003	O	|	|	|	|	0.01
348.500	0.00	0.00	0.004	O	|	|	|	|	0.01	353.667	0.00	0.00	0.003	O	|	|	|	|	0.01
348.583	0.00	0.00	0.004	O	|	|	|	|	0.01	353.750	0.00	0.00	0.003	O	|	|	|	|	0.01
348.667	0.00	0.00	0.004	O	|	|	|	|	0.01	353.833	0.00	0.00	0.003	O	|	|	|	|	0.01
348.750	0.00	0.00	0.004	O	|	|	|	|	0.01	353.917	0.00	0.00	0.003	O	|	|	|	|	0.01

354.000	0.00	0.00	0.003	O	|	|	|	|	0.01	359.167	0.00	0.00	0.003	O	|	|	|	|	0.01
354.083	0.00	0.00	0.003	O	|	|	|	|	0.01	359.250	0.00	0.00	0.003	O	|	|	|	|	0.01
354.167	0.00	0.00	0.003	O	|	|	|	|	0.01	359.333	0.00	0.00	0.003	O	|	|	|	|	0.01
354.250	0.00	0.00	0.003	O	|	|	|	|	0.01	359.417	0.00	0.00	0.003	O	|	|	|	|	0.01
354.333	0.00	0.00	0.003	O	|	|	|	|	0.01	359.500	0.00	0.00	0.003	O	|	|	|	|	0.01
354.417	0.00	0.00	0.003	O	|	|	|	|	0.01	359.583	0.00	0.00	0.003	O	|	|	|	|	0.01
354.500	0.00	0.00	0.003	O	|	|	|	|	0.01	359.667	0.00	0.00	0.003	O	|	|	|	|	0.01
354.583	0.00	0.00	0.003	O	|	|	|	|	0.01	359.750	0.00	0.00	0.003	O	|	|	|	|	0.01
354.667	0.00	0.00	0.003	O	|	|	|	|	0.01	359.833	0.00	0.00	0.002	O	|	|	|	|	0.01
354.750	0.00	0.00	0.003	O	|	|	|	|	0.01	359.917	0.00	0.00	0.002	O	|	|	|	|	0.01
354.833	0.00	0.00	0.003	O	|	|	|	|	0.01	360.000	0.00	0.00	0.002	O	|	|	|	|	0.01
354.917	0.00	0.00	0.003	O	|	|	|	|	0.01	360.083	0.00	0.00	0.002	O	|	|	|	|	0.01
355.000	0.00	0.00	0.003	O	|	|	|	|	0.01	360.167	0.00	0.00	0.002	O	|	|	|	|	0.01
355.083	0.00	0.00	0.003	O	|	|	|	|	0.01	360.250	0.00	0.00	0.002	O	|	|	|	|	0.01
355.167	0.00	0.00	0.003	O	|	|	|	|	0.01	360.333	0.00	0.00	0.002	O	|	|	|	|	0.01
355.250	0.00	0.00	0.003	O	|	|	|	|	0.01	360.417	0.00	0.00	0.002	O	|	|	|	|	0.01
355.333	0.00	0.00	0.003	O	|	|	|	|	0.01	360.500	0.00	0.00	0.002	O	|	|	|	|	0.01
355.417	0.00	0.00	0.003	O	|	|	|	|	0.01	360.583	0.00	0.00	0.002	O	|	|	|	|	0.01
355.500	0.00	0.00	0.003	O	|	|	|	|	0.01	360.667	0.00	0.00	0.002	O	|	|	|	|	0.01
355.583	0.00	0.00	0.003	O	|	|	|	|	0.01	360.750	0.00	0.00	0.002	O	|	|	|	|	0.01
355.667	0.00	0.00	0.003	O	|	|	|	|	0.01	360.833	0.00	0.00	0.002	O	|	|	|	|	0.01
355.750	0.00	0.00	0.003	O	|	|	|	|	0.01	360.917	0.00	0.00	0.002	O	|	|	|	|	0.01
355.833	0.00	0.00	0.003	O	|	|	|	|	0.01	361.000	0.00	0.00	0.002	O	|	|	|	|	0.01
355.917	0.00	0.00	0.003	O	|	|	|	|	0.01	361.083	0.00	0.00	0.002	O	|	|	|	|	0.01
356.000	0.00	0.00	0.003	O	|	|	|	|	0.01	361.167	0.00	0.00	0.002	O	|	|	|	|	0.01
356.083	0.00	0.00	0.003	O	|	|	|	|	0.01	361.250	0.00	0.00	0.002	O	|	|	|	|	0.01
356.167	0.00	0.00	0.003	O	|	|	|	|	0.01	361.333	0.00	0.00	0.002	O	|	|	|	|	0.01
356.250	0.00	0.00	0.003	O	|	|	|	|	0.01	361.417	0.00	0.00	0.002	O	|	|	|	|	0.01
356.333	0.00	0.00	0.003	O	|	|	|	|	0.01	361.500	0.00	0.00	0.002	O	|	|	|	|	0.01
356.417	0.00	0.00	0.003	O	|	|	|	|	0.01	361.583	0.00	0.00	0.002	O	|	|	|	|	0.01
356.500	0.00	0.00	0.003	O	|	|	|	|	0.01	361.667	0.00	0.00	0.002	O	|	|	|	|	0.01
356.583	0.00	0.00	0.003	O	|	|	|	|	0.01	361.750	0.00	0.00	0.002	O	|	|	|	|	0.01
356.667	0.00	0.00	0.003	O	|	|	|	|	0.01	361.833	0.00	0.00	0.002	O	|	|	|	|	0.01
356.750	0.00	0.00	0.003	O	|	|	|	|	0.01	361.917	0.00	0.00	0.002	O	|	|	|	|	0.01
356.833	0.00	0.00	0.003	O	|	|	|	|	0.01	362.000	0.00	0.00	0.002	O	|	|	|	|	0.01
356.917	0.00	0.00	0.003	O	|	|	|	|	0.01	362.083	0.00	0.00	0.002	O	|	|	|	|	0.01
357.000	0.00	0.00	0.003	O	|	|	|	|	0.01	362.167	0.00	0.00	0.002	O	|	|	|	|	0.01
357.083	0.00	0.00	0.003	O	|	|	|	|	0.01	362.250	0.00	0.00	0.002	O	|	|	|	|	0.01
357.167	0.00	0.00	0.003	O	|	|	|	|	0.01	362.333	0.00	0.00	0.002	O	|	|	|	|	0.01
357.250	0.00	0.00	0.003	O	|	|	|	|	0.01	362.417	0.00	0.00	0.002	O	|	|	|	|	0.01
357.333	0.00	0.00	0.003	O	|	|	|	|	0.01	362.500	0.00	0.00	0.002	O	|	|	|	|	0.01
357.417	0.00	0.00	0.003	O	|	|	|	|	0.01	362.583	0.00	0.00	0.002	O	|	|	|	|	0.01
357.500	0.00	0.00	0.003	O	|	|	|	|	0.01	362.667	0.00	0.00	0.002	O	|	|	|	|	0.01
357.583	0.00	0.00	0.003	O	|	|	|	|	0.01	362.750	0.00	0.00	0.002	O	|	|	|	|	0.01
357.667	0.00	0.00	0.003	O	|	|	|	|	0.01	362.833	0.00	0.00	0.002	O	|	|	|	|	0.01
357.750	0.00	0.00	0.003	O	|	|	|	|	0.01	362.917	0.00	0.00	0.002	O	|	|	|	|	0.01
357.833	0.00	0.00	0.003	O	|	|	|	|	0.01	363.000	0.00	0.00	0.002	O	|	|	|	|	0.01
357.917	0.00	0.00	0.003	O	|	|	|	|	0.01	363.083	0.00	0.00	0.002	O	|	|	|	|	0.01
358.000	0.00	0.00	0.003	O	|	|	|	|	0.01	363.167	0.00	0.00	0.002	O	|	|	|	|	0.01
358.083	0.00	0.00	0.003	O	|	|	|	|	0.01	363.250	0.00	0.00	0.002	O	|	|	|	|	0.01
358.167	0.00	0.00	0.003	O	|	|	|	|	0.01	363.333	0.00	0.00	0.002	O	|	|	|	|	0.01
358.250	0.00	0.00	0.003	O	|	|	|	|	0.01	363.417	0.00	0.00	0.002	O	|	|	|	|	0.01
358.333	0.00	0.00	0.003	O	|	|	|	|	0.01	363.500	0.00	0.00	0.002	O	|	|	|	|	0.01
358.417	0.00	0.00	0.003	O	|	|	|	|	0.01	363.583	0.00	0.00	0.002	O	|	|	|	|	0.01
358.500	0.00	0.00	0.003	O	|	|	|	|	0.01	363.667	0.00	0.00	0.002	O	|	|	|	|	0.00
358.583	0.00	0.00	0.003	O	|	|	|	|	0.01	363.750	0.00	0.00	0.002	O	|	|	|	|	0.00
358.667	0.00	0.00	0.003	O	|	|	|	|	0.01	363.833	0.00	0.00	0.002	O	|	|	|	|	0.00
358.750	0.00	0.00	0.003	O	|	|	|	|	0.01	363.917	0.00	0.00	0.002	O	|	|	|	|	0.00
358.833	0.00	0.00	0.003	O	|	|	|	|	0.01	364.000	0.00	0.00	0.002	O	|	|	|	|	0.00
358.917	0.00	0.00	0.003	O	|	|	|	|	0.01	364.083	0.00	0.00	0.002	O	|	|	|	|	0.00
359.000	0.00	0.00	0.003	O	|	|	|	|	0.01	364.167	0.00	0.00	0.002	O	|	|	|	|	0.00
359.083	0.00	0.00	0.003	O	|	|	|	|	0.01	364.250	0.00	0.00	0.002	O	|	|	|	|	0.00

364.333	0.00	0.00	0.002	O	|	|	|	|	0.00
364.417	0.00	0.00	0.002	O	|	|	|	|	0.00
364.500	0.00	0.00	0.002	O	|	|	|	|	0.00
364.583	0.00	0.00	0.002	O	|	|	|	|	0.00
364.667	0.00	0.00	0.002	O	|	|	|	|	0.00
364.750	0.00	0.00	0.002	O	|	|	|	|	0.00
364.833	0.00	0.00	0.002	O	|	|	|	|	0.00
364.917	0.00	0.00	0.002	O	|	|	|	|	0.00
365.000	0.00	0.00	0.002	O	|	|	|	|	0.00
365.083	0.00	0.00	0.002	O	|	|	|	|	0.00
365.167	0.00	0.00	0.002	O	|	|	|	|	0.00
365.250	0.00	0.00	0.002	O	|	|	|	|	0.00
365.333	0.00	0.00	0.002	O	|	|	|	|	0.00
365.417	0.00	0.00	0.002	O	|	|	|	|	0.00
365.500	0.00	0.00	0.002	O	|	|	|	|	0.00
365.583	0.00	0.00	0.002	O	|	|	|	|	0.00
365.667	0.00	0.00	0.002	O	|	|	|	|	0.00
365.750	0.00	0.00	0.002	O	|	|	|	|	0.00
365.833	0.00	0.00	0.002	O	|	|	|	|	0.00
365.917	0.00	0.00	0.002	O	|	|	|	|	0.00
366.000	0.00	0.00	0.002	O	|	|	|	|	0.00
366.083	0.00	0.00	0.002	O	|	|	|	|	0.00
366.167	0.00	0.00	0.002	O	|	|	|	|	0.00
366.250	0.00	0.00	0.002	O	|	|	|	|	0.00
366.333	0.00	0.00	0.002	O	|	|	|	|	0.00
366.417	0.00	0.00	0.002	O	|	|	|	|	0.00
366.500	0.00	0.00	0.002	O	|	|	|	|	0.00
366.583	0.00	0.00	0.002	O	|	|	|	|	0.00
366.667	0.00	0.00	0.002	O	|	|	|	|	0.00
366.750	0.00	0.00	0.002	O	|	|	|	|	0.00
366.833	0.00	0.00	0.002	O	|	|	|	|	0.00
366.917	0.00	0.00	0.002	O	|	|	|	|	0.00
367.000	0.00	0.00	0.002	O	|	|	|	|	0.00
367.083	0.00	0.00	0.002	O	|	|	|	|	0.00
367.167	0.00	0.00	0.002	O	|	|	|	|	0.00
367.250	0.00	0.00	0.002	O	|	|	|	|	0.00
367.333	0.00	0.00	0.002	O	|	|	|	|	0.00
367.417	0.00	0.00	0.002	O	|	|	|	|	0.00
367.500	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 4410
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 74.825 (CFS)
Total volume = 22.594 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	27.627	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	1.408	0.000	0.000	0.000	0.000

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Process from Point/Station 4.200 to Point/Station 4.200
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 1 the total
volume of 1.41 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	24.8	49.6	74.4	99.2
0+ 5	0.0011	0.01	Q	|	|	|	|
0+10	0.0095	0.04	Q	|	|	|	|
0+15	0.0292	0.12	Q	|	|	|	|
0+20	0.0560	0.20	Q	|	|	|	|
0+25	0.0862	0.30	Q	|	|	|	|
0+30	0.1180	0.37	Q	|	|	|	|
0+35	0.1524	0.43	Q	|	|	|	|
0+40	0.1895	0.49	Q	|	|	|	|
0+45	0.2115	0.54	Q	|	|	|	|
0+50	0.2275	0.58	Q	|	|	|	|
0+55	0.2437	0.62	Q	|	|	|	|
1+ 0	0.2600	0.67	Q	|	|	|	|
1+ 5	0.2771	0.71	Q	|	|	|	|
1+10	0.2937	0.75	Q	|	|	|	|
1+15	0.3071	0.78	Q	|	|	|	|
1+20	0.3206	0.81	Q	|	|	|	|
1+25	0.3341	0.84	Q	|	|	|	|
1+30	0.3477	0.87	Q	|	|	|	|
1+35	0.3610	0.90	Q	|	|	|	|
1+40	0.3718	0.92	Q	|	|	|	|
1+45	0.3825	0.95	Q	|	|	|	|
1+50	0.3933	0.97	Q	|	|	|	|
1+55	0.4040	1.00	Q	|	|	|	|
2+ 0	0.4148	1.02	Q	|	|	|	|
2+ 5	0.4246	1.04	Q	|	|	|	|
2+10	0.4334	1.06	Q	|	|	|	|
2+15	0.4423	1.08	Q	|	|	|	|
2+20	0.4515	1.11	Q	|	|	|	|
2+25	0.4608	1.13	Q	|	|	|	|
2+30	0.4702	1.15	Q	|	|	|	|
2+35	0.4773	1.16	Q	|	|	|	|
2+40	0.4844	1.18	Q	|	|	|	|
2+45	0.4915	1.19	Q	|	|	|	|
2+50	0.4988	1.21	Q	|	|	|	|
2+55	0.5065	1.23	Q	|	|	|	|
3+ 0	0.5141	1.25	Q	|	|	|	|
3+ 5	0.5215	1.27	Q	|	|	|	|
3+10	0.5290	1.29	Q	|	|	|	|
3+15	0.5367	1.31	Q	|	|	|	|
3+20	0.5447	1.34	Q	|	|	|	|
3+25	0.5528	1.36	Q	|	|	|	|
3+30	0.5608	1.39	Q	|	|	|	|
3+35	0.5694	1.41	Q	|	|	|	|
3+40	0.5787	1.43	Q	|	|	|	|
3+45	0.5885	1.46	Q	|	|	|	|
3+50	0.5982	1.48	Q	|	|	|	|
3+55	0.6082	1.50	Q	|	|	|	|
4+ 0	0.6187	1.52	Q	|	|	|	|
4+ 5	0.6295	1.54	Q	|	|	|	|

4+10	0.6375	1.56	Q	|	|	|	|		9+20	0.0000	2.98	qQ	|	|	|	|
4+15	0.6458	1.58	Q	|	|	|	|		9+25	0.0000	2.79	qQ	|	|	|	|
4+20	0.6546	1.60	Q	|	|	|	|		9+30	0.0000	2.60	qQ	|	|	|	|
4+25	0.6637	1.62	Q	|	|	|	|		9+35	0.0000	2.43	Q	|	|	|	|
4+30	0.6729	1.64	Q	|	|	|	|		9+40	0.0000	2.27	Q	|	|	|	|
4+35	0.6825	1.66	Q	|	|	|	|		9+45	0.0000	2.12	Q	|	|	|	|
4+40	0.6931	1.68	Q	|	|	|	|		9+50	0.0000	1.98	Q	|	|	|	|
4+45	0.7063	1.71	Q	|	|	|	|		9+55	0.0000	1.85	Q	|	|	|	|
4+50	0.7202	1.73	Q	|	|	|	|		10+ 0	0.0000	1.73	Q	|	|	|	|
4+55	0.7331	1.76	Q	|	|	|	|		10+ 5	0.0000	1.61	Q	|	|	|	|
5+ 0	0.7435	1.78	Q	|	|	|	|		10+10	0.0000	1.51	Q	|	|	|	|
5+ 5	0.7544	4.35	qQ	|	|	|	|		10+15	0.0000	1.41	Q	|	|	|	|
5+10	0.7639	10.79	q Q	|	|	|	|		10+20	0.0000	1.31	Q	|	|	|	|
5+15	0.7722	17.84	q Q	|	|	|	|		10+25	0.0000	1.23	Q	|	|	|	|
5+20	1.7220	24.04	q Q|	|	|	|		10+30	0.0000	1.15	Q	|	|	|	|
5+25	7.4947	35.38	| q | Q	|	|	|		10+35	0.0000	1.07	Q	|	|	|	|
5+30	13.5423	60.46	| q |	| Q	|	|		10+40	0.0000	1.05	Q	|	|	|	|
5+35	19.5395	85.67	| q |	|	| Q	|		10+45	0.0000	1.05	Q	|	|	|	|
5+40	24.3605	99.19	| q|	|	|	| Q		10+50	0.0000	1.05	Q	|	|	|	|
5+45	26.8114	99.14	| q	|	|	| Q|		10+55	0.0000	1.05	Q	|	|	|	|
5+50	27.6275	93.11	| |q	|	| Q	|		11+ 0	0.0000	1.05	Q	|	|	|	|
5+55	27.5702	85.30	| |q	|	| Q	|		11+ 5	0.0000	1.05	Q	|	|	|	|
6+ 0	27.0168	77.18	| q	|	|Q	|		11+10	0.0000	1.05	Q	|	|	|	|
6+ 5	0.0000	43.06	q | Q	|	|	|		11+15	0.0000	1.05	Q	|	|	|	|
6+10	0.0000	36.51	q | Q	|	|	|		11+20	0.0000	1.05	Q	|	|	|	|
6+15	0.0000	30.68	q | Q	|	|	|		11+25	0.0000	1.05	Q	|	|	|	|
6+20	0.0000	27.99	q |Q	|	|	|		11+30	0.0000	1.05	Q	|	|	|	|
6+25	0.0000	26.70	q Q	|	|	|		11+35	0.0000	1.05	Q	|	|	|	|
6+30	0.0000	25.47	q Q	|	|	|		11+40	0.0000	1.05	Q	|	|	|	|
6+35	0.0000	24.30	q Q|	|	|	|		11+45	0.0000	1.05	Q	|	|	|	|
6+40	0.0000	23.18	q Q|	|	|	|		11+50	0.0000	1.05	Q	|	|	|	|
6+45	0.0000	22.11	q Q |	|	|	|		11+55	0.0000	1.05	Q	|	|	|	|
6+50	0.0000	21.09	q Q |	|	|	|		12+ 0	0.0000	1.05	Q	|	|	|	|
6+55	0.0000	20.12	q Q |	|	|	|		12+ 5	0.0000	1.05	Q	|	|	|	|
7+ 0	0.0000	19.19	q Q |	|	|	|		12+10	0.0000	1.05	Q	|	|	|	|
7+ 5	0.0000	18.31	q Q |	|	|	|		12+15	0.0000	1.05	Q	|	|	|	|
7+10	0.0000	17.46	q Q |	|	|	|		12+20	0.0000	1.05	Q	|	|	|	|
7+15	0.0000	16.46	q Q |	|	|	|		12+25	0.0000	1.05	Q	|	|	|	|
7+20	0.0000	15.37	q Q |	|	|	|		12+30	0.0000	1.05	Q	|	|	|	|
7+25	0.0000	14.36	q Q |	|	|	|		12+35	0.0000	1.05	Q	|	|	|	|
7+30	0.0000	13.41	q Q |	|	|	|		12+40	0.0000	1.05	Q	|	|	|	|
7+35	0.0000	12.52	q Q |	|	|	|		12+45	0.0000	1.05	Q	|	|	|	|
7+40	0.0000	11.70	q Q |	|	|	|		12+50	0.0000	1.04	Q	|	|	|	|
7+45	0.0000	10.92	q Q |	|	|	|		12+55	0.0000	1.04	Q	|	|	|	|
7+50	0.0000	10.20	q Q |	|	|	|		13+ 0	0.0000	1.04	Q	|	|	|	|
7+55	0.0000	9.53	q Q |	|	|	|		13+ 5	0.0000	1.04	Q	|	|	|	|
8+ 0	0.0000	8.90	q Q |	|	|	|		13+10	0.0000	1.04	Q	|	|	|	|
8+ 5	0.0000	8.31	q Q |	|	|	|		13+15	0.0000	1.04	Q	|	|	|	|
8+10	0.0000	7.76	q Q |	|	|	|		13+20	0.0000	1.04	Q	|	|	|	|
8+15	0.0000	7.25	q Q |	|	|	|		13+25	0.0000	1.04	Q	|	|	|	|
8+20	0.0000	6.77	q Q |	|	|	|		13+30	0.0000	1.04	Q	|	|	|	|
8+25	0.0000	6.33	q Q |	|	|	|		13+35	0.0000	1.04	Q	|	|	|	|
8+30	0.0000	5.91	q Q |	|	|	|		13+40	0.0000	1.04	Q	|	|	|	|
8+35	0.0000	5.52	q Q |	|	|	|		13+45	0.0000	1.04	Q	|	|	|	|
8+40	0.0000	5.15	q Q |	|	|	|		13+50	0.0000	1.04	Q	|	|	|	|
8+45	0.0000	4.81	qQ |	|	|	|		13+55	0.0000	1.04	Q	|	|	|	|
8+50	0.0000	4.50	qQ |	|	|	|		14+ 0	0.0000	1.04	Q	|	|	|	|
8+55	0.0000	4.20	qQ |	|	|	|		14+ 5	0.0000	1.04	Q	|	|	|	|
9+ 0	0.0000	3.92	qQ |	|	|	|		14+10	0.0000	1.04	Q	|	|	|	|
9+ 5	0.0000	3.66	qQ |	|	|	|		14+15	0.0000	1.04	Q	|	|	|	|
9+10	0.0000	3.42	qQ |	|	|	|		14+20	0.0000	1.04	Q	|	|	|	|
9+15	0.0000	3.20	qQ |	|	|	|		14+25	0.0000	1.04	Q	|	|	|	|

14+30	0.0000	1.04	Q					19+40	0.0000	1.03	Q				
14+35	0.0000	1.04	Q					19+45	0.0000	1.03	Q				
14+40	0.0000	1.04	Q					19+50	0.0000	1.03	Q				
14+45	0.0000	1.04	Q					19+55	0.0000	1.03	Q				
14+50	0.0000	1.04	Q					20+ 0	0.0000	1.03	Q				
14+55	0.0000	1.04	Q					20+ 5	0.0000	1.03	Q				
15+ 0	0.0000	1.04	Q					20+10	0.0000	1.03	Q				
15+ 5	0.0000	1.04	Q					20+15	0.0000	1.03	Q				
15+10	0.0000	1.04	Q					20+20	0.0000	1.03	Q				
15+15	0.0000	1.04	Q					20+25	0.0000	1.03	Q				
15+20	0.0000	1.04	Q					20+30	0.0000	1.03	Q				
15+25	0.0000	1.04	Q					20+35	0.0000	1.03	Q				
15+30	0.0000	1.04	Q					20+40	0.0000	1.03	Q				
15+35	0.0000	1.04	Q					20+45	0.0000	1.03	Q				
15+40	0.0000	1.04	Q					20+50	0.0000	1.03	Q				
15+45	0.0000	1.04	Q					20+55	0.0000	1.03	Q				
15+50	0.0000	1.04	Q					21+ 0	0.0000	1.03	Q				
15+55	0.0000	1.04	Q					21+ 5	0.0000	1.03	Q				
16+ 0	0.0000	1.04	Q					21+10	0.0000	1.03	Q				
16+ 5	0.0000	1.04	Q					21+15	0.0000	1.03	Q				
16+10	0.0000	1.04	Q					21+20	0.0000	1.03	Q				
16+15	0.0000	1.04	Q					21+25	0.0000	1.03	Q				
16+20	0.0000	1.04	Q					21+30	0.0000	1.03	Q				
16+25	0.0000	1.04	Q					21+35	0.0000	1.03	Q				
16+30	0.0000	1.04	Q					21+40	0.0000	1.03	Q				
16+35	0.0000	1.04	Q					21+45	0.0000	1.02	Q				
16+40	0.0000	1.04	Q					21+50	0.0000	1.02	Q				
16+45	0.0000	1.04	Q					21+55	0.0000	1.02	Q				
16+50	0.0000	1.04	Q					22+ 0	0.0000	1.02	Q				
16+55	0.0000	1.04	Q					22+ 5	0.0000	1.02	Q				
17+ 0	0.0000	1.04	Q					22+10	0.0000	1.02	Q				
17+ 5	0.0000	1.04	Q					22+15	0.0000	1.02	Q				
17+10	0.0000	1.04	Q					22+20	0.0000	1.02	Q				
17+15	0.0000	1.03	Q					22+25	0.0000	1.02	Q				
17+20	0.0000	1.03	Q					22+30	0.0000	1.02	Q				
17+25	0.0000	1.03	Q					22+35	0.0000	1.02	Q				
17+30	0.0000	1.03	Q					22+40	0.0000	1.02	Q				
17+35	0.0000	1.03	Q					22+45	0.0000	1.02	Q				
17+40	0.0000	1.03	Q					22+50	0.0000	1.02	Q				
17+45	0.0000	1.03	Q					22+55	0.0000	1.02	Q				
17+50	0.0000	1.03	Q					23+ 0	0.0000	1.02	Q				
17+55	0.0000	1.03	Q					23+ 5	0.0000	1.02	Q				
18+ 0	0.0000	1.03	Q					23+10	0.0000	1.02	Q				
18+ 5	0.0000	1.03	Q					23+15	0.0000	1.02	Q				
18+10	0.0000	1.03	Q					23+20	0.0000	1.02	Q				
18+15	0.0000	1.03	Q					23+25	0.0000	1.02	Q				
18+20	0.0000	1.03	Q					23+30	0.0000	1.02	Q				
18+25	0.0000	1.03	Q					23+35	0.0000	1.02	Q				
18+30	0.0000	1.03	Q					23+40	0.0000	1.02	Q				
18+35	0.0000	1.03	Q					23+45	0.0000	1.02	Q				
18+40	0.0000	1.03	Q					23+50	0.0000	1.02	Q				
18+45	0.0000	1.03	Q					23+55	0.0000	1.02	Q				
18+50	0.0000	1.03	Q					24+ 0	0.0000	1.02	Q				
18+55	0.0000	1.03	Q					24+ 5	0.0000	1.02	Q				
19+ 0	0.0000	1.03	Q					24+10	0.0000	1.02	Q				
19+ 5	0.0000	1.03	Q					24+15	0.0000	1.02	Q				
19+10	0.0000	1.03	Q					24+20	0.0000	1.02	Q				
19+15	0.0000	1.03	Q					24+25	0.0000	1.02	Q				
19+20	0.0000	1.03	Q					24+30	0.0000	1.02	Q				
19+25	0.0000	1.03	Q					24+35	0.0000	1.02	Q				
19+30	0.0000	1.03	Q					24+40	0.0000	1.02	Q				
19+35	0.0000	1.03	Q					24+45	0.0000	1.02	Q				

24+50	0.0000	1.02	Q					30+ 0	0.0000	1.01	Q				
24+55	0.0000	1.02	Q					30+ 5	0.0000	1.01	Q				
25+ 0	0.0000	1.02	Q					30+10	0.0000	1.01	Q				
25+ 5	0.0000	1.02	Q					30+15	0.0000	1.01	Q				
25+10	0.0000	1.02	Q					30+20	0.0000	1.01	Q				
25+15	0.0000	1.02	Q					30+25	0.0000	1.01	Q				
25+20	0.0000	1.02	Q					30+30	0.0000	1.01	Q				
25+25	0.0000	1.02	Q					30+35	0.0000	1.01	Q				
25+30	0.0000	1.02	Q					30+40	0.0000	1.01	Q				
25+35	0.0000	1.02	Q					30+45	0.0000	1.01	Q				
25+40	0.0000	1.02	Q					30+50	0.0000	1.01	Q				
25+45	0.0000	1.02	Q					30+55	0.0000	1.01	Q				
25+50	0.0000	1.02	Q					31+ 0	0.0000	1.01	Q				
25+55	0.0000	1.02	Q					31+ 5	0.0000	1.01	Q				
26+ 0	0.0000	1.02	Q					31+10	0.0000	1.01	Q				
26+ 5	0.0000	1.02	Q					31+15	0.0000	1.01	Q				
26+10	0.0000	1.02	Q					31+20	0.0000	1.01	Q				
26+15	0.0000	1.01	Q					31+25	0.0000	1.00	Q				
26+20	0.0000	1.01	Q					31+30	0.0000	1.00	Q				
26+25	0.0000	1.01	Q					31+35	0.0000	1.00	Q				
26+30	0.0000	1.01	Q					31+40	0.0000	1.00	Q				
26+35	0.0000	1.01	Q					31+45	0.0000	1.00	Q				
26+40	0.0000	1.01	Q					31+50	0.0000	1.00	Q				
26+45	0.0000	1.01	Q					31+55	0.0000	1.00	Q				
26+50	0.0000	1.01	Q					32+ 0	0.0000	1.00	Q				
26+55	0.0000	1.01	Q					32+ 5	0.0000	1.00	Q				
27+ 0	0.0000	1.01	Q					32+10	0.0000	1.00	Q				
27+ 5	0.0000	1.01	Q					32+15	0.0000	1.00	Q				
27+10	0.0000	1.01	Q					32+20	0.0000	1.00	Q				
27+15	0.0000	1.01	Q					32+25	0.0000	1.00	Q				
27+20	0.0000	1.01	Q					32+30	0.0000	1.00	Q				
27+25	0.0000	1.01	Q					32+35	0.0000	1.00	Q				
27+30	0.0000	1.01	Q					32+40	0.0000	1.00	Q				
27+35	0.0000	1.01	Q					32+45	0.0000	1.00	Q				
27+40	0.0000	1.01	Q					32+50	0.0000	1.00	Q				
27+45	0.0000	1.01	Q					32+55	0.0000	1.00	Q				
27+50	0.0000	1.01	Q					33+ 0	0.0000	1.00	Q				
27+55	0.0000	1.01	Q					33+ 5	0.0000	1.00	Q				
28+ 0	0.0000	1.01	Q					33+10	0.0000	1.00	Q				
28+ 5	0.0000	1.01	Q					33+15	0.0000	1.00	Q				
28+10	0.0000	1.01	Q					33+20	0.0000	1.00	Q				
28+15	0.0000	1.01	Q					33+25	0.0000	1.00	Q				
28+20	0.0000	1.01	Q					33+30	0.0000	1.00	Q				
28+25	0.0000	1.01	Q					33+35	0.0000	1.00	Q				
28+30	0.0000	1.01	Q					33+40	0.0000	1.00	Q				
28+35	0.0000	1.01	Q					33+45	0.0000	1.00	Q				
28+40	0.0000	1.01	Q					33+50	0.0000	1.00	Q				
28+45	0.0000	1.01	Q					33+55	0.0000	1.00	Q				
28+50	0.0000	1.01	Q					34+ 0	0.0000	1.00	Q				
28+55	0.0000	1.01	Q					34+ 5	0.0000	1.00	Q				
29+ 0	0.0000	1.01	Q					34+10	0.0000	1.00	Q				
29+ 5	0.0000	1.01	Q					34+15	0.0000	1.00	Q				
29+10	0.0000	1.01	Q					34+20	0.0000	1.00	Q				
29+15	0.0000	1.01	Q					34+25	0.0000	1.00	Q				
29+20	0.0000	1.01	Q					34+30	0.0000	1.00	Q				
29+25	0.0000	1.01	Q					34+35	0.0000	1.00	Q				
29+30	0.0000	1.01	Q					34+40	0.0000	1.00	Q				
29+35	0.0000	1.01	Q					34+45	0.0000	1.00	Q				
29+40	0.0000	1.01	Q					34+50	0.0000	1.00	Q				
29+45	0.0000	1.01	Q					34+55	0.0000	1.00	Q				
29+50	0.0000	1.01	Q					35+ 0	0.0000	1.00	Q				
29+55	0.0000	1.01	Q					35+ 5	0.0000	1.00	Q				

35+10	0.0000	1.00	Q					40+20	0.0000	0.99	Q				
35+15	0.0000	1.00	Q					40+25	0.0000	0.99	Q				
35+20	0.0000	1.00	Q					40+30	0.0000	0.99	Q				
35+25	0.0000	1.00	Q					40+35	0.0000	0.99	Q				
35+30	0.0000	1.00	Q					40+40	0.0000	0.99	Q				
35+35	0.0000	1.00	Q					40+45	0.0000	0.99	Q				
35+40	0.0000	1.00	Q					40+50	0.0000	0.99	Q				
35+45	0.0000	1.00	Q					40+55	0.0000	0.99	Q				
35+50	0.0000	1.00	Q					41+ 0	0.0000	0.99	Q				
35+55	0.0000	1.00	Q					41+ 5	0.0000	0.99	Q				
36+ 0	0.0000	1.00	Q					41+10	0.0000	0.99	Q				
36+ 5	0.0000	1.00	Q					41+15	0.0000	0.99	Q				
36+10	0.0000	1.00	Q					41+20	0.0000	0.99	Q				
36+15	0.0000	1.00	Q					41+25	0.0000	0.99	Q				
36+20	0.0000	1.00	Q					41+30	0.0000	0.99	Q				
36+25	0.0000	1.00	Q					41+35	0.0000	0.99	Q				
36+30	0.0000	1.00	Q					41+40	0.0000	0.99	Q				
36+35	0.0000	1.00	Q					41+45	0.0000	0.99	Q				
36+40	0.0000	1.00	Q					41+50	0.0000	0.99	Q				
36+45	0.0000	1.00	Q					41+55	0.0000	0.99	Q				
36+50	0.0000	1.00	Q					42+ 0	0.0000	0.99	Q				
36+55	0.0000	1.00	Q					42+ 5	0.0000	0.99	Q				
37+ 0	0.0000	1.00	Q					42+10	0.0000	0.99	Q				
37+ 5	0.0000	1.00	Q					42+15	0.0000	0.99	Q				
37+10	0.0000	0.99	Q					42+20	0.0000	0.99	Q				
37+15	0.0000	0.99	Q					42+25	0.0000	0.99	Q				
37+20	0.0000	0.99	Q					42+30	0.0000	0.99	Q				
37+25	0.0000	0.99	Q					42+35	0.0000	0.99	Q				
37+30	0.0000	0.99	Q					42+40	0.0000	0.99	Q				
37+35	0.0000	0.99	Q					42+45	0.0000	0.99	Q				
37+40	0.0000	0.99	Q					42+50	0.0000	0.99	Q				
37+45	0.0000	0.99	Q					42+55	0.0000	0.99	Q				
37+50	0.0000	0.99	Q					43+ 0	0.0000	0.98	Q				
37+55	0.0000	0.99	Q					43+ 5	0.0000	0.98	Q				
38+ 0	0.0000	0.99	Q					43+10	0.0000	0.98	Q				
38+ 5	0.0000	0.99	Q					43+15	0.0000	0.98	Q				
38+10	0.0000	0.99	Q					43+20	0.0000	0.98	Q				
38+15	0.0000	0.99	Q					43+25	0.0000	0.98	Q				
38+20	0.0000	0.99	Q					43+30	0.0000	0.98	Q				
38+25	0.0000	0.99	Q					43+35	0.0000	0.98	Q				
38+30	0.0000	0.99	Q					43+40	0.0000	0.98	Q				
38+35	0.0000	0.99	Q					43+45	0.0000	0.98	Q				
38+40	0.0000	0.99	Q					43+50	0.0000	0.98	Q				
38+45	0.0000	0.99	Q					43+55	0.0000	0.98	Q				
38+50	0.0000	0.99	Q					44+ 0	0.0000	0.98	Q				
38+55	0.0000	0.99	Q					44+ 5	0.0000	0.98	Q				
39+ 0	0.0000	0.99	Q					44+10	0.0000	0.98	Q				
39+ 5	0.0000	0.99	Q					44+15	0.0000	0.98	Q				
39+10	0.0000	0.99	Q					44+20	0.0000	0.98	Q				
39+15	0.0000	0.99	Q					44+25	0.0000	0.98	Q				
39+20	0.0000	0.99	Q					44+30	0.0000	0.98	Q				
39+25	0.0000	0.99	Q					44+35	0.0000	0.98	Q				
39+30	0.0000	0.99	Q					44+40	0.0000	0.98	Q				
39+35	0.0000	0.99	Q					44+45	0.0000	0.98	Q				
39+40	0.0000	0.99	Q					44+50	0.0000	0.98	Q				
39+45	0.0000	0.99	Q					44+55	0.0000	0.98	Q				
39+50	0.0000	0.99	Q					45+ 0	0.0000	0.98	Q				
39+55	0.0000	0.99	Q					45+ 5	0.0000	0.98	Q				
40+ 0	0.0000	0.99	Q					45+10	0.0000	0.98	Q				
40+ 5	0.0000	0.99	Q					45+15	0.0000	0.98	Q				
40+10	0.0000	0.99	Q					45+20	0.0000	0.98	Q				
40+15	0.0000	0.99	Q					45+25	0.0000	0.98	Q				

45+30	0.0000	0.98	Q					50+40	0.0000	0.97	Q				
45+35	0.0000	0.98	Q					50+45	0.0000	0.97	Q				
45+40	0.0000	0.98	Q					50+50	0.0000	0.97	Q				
45+45	0.0000	0.98	Q					50+55	0.0000	0.97	Q				
45+50	0.0000	0.98	Q					51+ 0	0.0000	0.97	Q				
45+55	0.0000	0.98	Q					51+ 5	0.0000	0.97	Q				
46+ 0	0.0000	0.98	Q					51+10	0.0000	0.97	Q				
46+ 5	0.0000	0.98	Q					51+15	0.0000	0.97	Q				
46+10	0.0000	0.98	Q					51+20	0.0000	0.97	Q				
46+15	0.0000	0.98	Q					51+25	0.0000	0.97	Q				
46+20	0.0000	0.98	Q					51+30	0.0000	0.97	Q				
46+25	0.0000	0.98	Q					51+35	0.0000	0.97	Q				
46+30	0.0000	0.98	Q					51+40	0.0000	0.97	Q				
46+35	0.0000	0.98	Q					51+45	0.0000	0.97	Q				
46+40	0.0000	0.98	Q					51+50	0.0000	0.97	Q				
46+45	0.0000	0.98	Q					51+55	0.0000	0.97	Q				
46+50	0.0000	0.98	Q					52+ 0	0.0000	0.97	Q				
46+55	0.0000	0.98	Q					52+ 5	0.0000	0.97	Q				
47+ 0	0.0000	0.98	Q					52+10	0.0000	0.97	Q				
47+ 5	0.0000	0.98	Q					52+15	0.0000	0.97	Q				
47+10	0.0000	0.98	Q					52+20	0.0000	0.97	Q				
47+15	0.0000	0.98	Q					52+25	0.0000	0.97	Q				
47+20	0.0000	0.98	Q					52+30	0.0000	0.97	Q				
47+25	0.0000	0.98	Q					52+35	0.0000	0.97	Q				
47+30	0.0000	0.98	Q					52+40	0.0000	0.97	Q				
47+35	0.0000	0.98	Q					52+45	0.0000	0.97	Q				
47+40	0.0000	0.98	Q					52+50	0.0000	0.97	Q				
47+45	0.0000	0.98	Q					52+55	0.0000	0.97	Q				
47+50	0.0000	0.98	Q					53+ 0	0.0000	0.97	Q				
47+55	0.0000	0.98	Q					53+ 5	0.0000	0.97	Q				
48+ 0	0.0000	0.98	Q					53+10	0.0000	0.97	Q				
48+ 5	0.0000	0.98	Q					53+15	0.0000	0.97	Q				
48+10	0.0000	0.98	Q					53+20	0.0000	0.97	Q				
48+15	0.0000	0.98	Q					53+25	0.0000	0.97	Q				
48+20	0.0000	0.98	Q					53+30	0.0000	0.97	Q				
48+25	0.0000	0.98	Q					53+35	0.0000	0.97	Q				
48+30	0.0000	0.98	Q					53+40	0.0000	0.97	Q				
48+35	0.0000	0.98	Q					53+45	0.0000	0.97	Q				
48+40	0.0000	0.97	Q					53+50	0.0000	0.97	Q				
48+45	0.0000	0.97	Q					53+55	0.0000	0.97	Q				
48+50	0.0000	0.97	Q					54+ 0	0.0000	0.97	Q				
48+55	0.0000	0.97	Q					54+ 5	0.0000	0.97	Q				
49+ 0	0.0000	0.97	Q					54+10	0.0000	0.96	Q				
49+ 5	0.0000	0.97	Q					54+15	0.0000	0.96	Q				
49+10	0.0000	0.97	Q					54+20	0.0000	0.96	Q				
49+15	0.0000	0.97	Q					54+25	0.0000	0.96	Q				
49+20	0.0000	0.97	Q					54+30	0.0000	0.96	Q				
49+25	0.0000	0.97	Q					54+35	0.0000	0.96	Q				
49+30	0.0000	0.97	Q					54+40	0.0000	0.96	Q				
49+35	0.0000	0.97	Q					54+45	0.0000	0.96	Q				
49+40	0.0000	0.97	Q					54+50	0.0000	0.96	Q				
49+45	0.0000	0.97	Q					54+55	0.0000	0.96	Q				
49+50	0.0000	0.97	Q					55+ 0	0.0000	0.96	Q				
49+55	0.0000	0.97	Q					55+ 5	0.0000	0.96	Q				
50+ 0	0.0000	0.97	Q					55+10	0.0000	0.96	Q				
50+ 5	0.0000	0.97	Q					55+15	0.0000	0.96	Q				
50+10	0.0000	0.97	Q					55+20	0.0000	0.96	Q				
50+15	0.0000	0.97	Q					55+25	0.0000	0.96	Q				
50+20	0.0000	0.97	Q					55+30	0.0000	0.96	Q				
50+25	0.0000	0.97	Q					55+35	0.0000	0.96	Q				
50+30	0.0000	0.97	Q					55+40	0.0000	0.96	Q				
50+35	0.0000	0.97	Q					55+45	0.0000	0.96	Q				

55+50	0.0000	0.96	Q					61+ 0	0.0000	0.95	Q				
55+55	0.0000	0.96	Q					61+ 5	0.0000	0.95	Q				
56+ 0	0.0000	0.96	Q					61+10	0.0000	0.95	Q				
56+ 5	0.0000	0.96	Q					61+15	0.0000	0.95	Q				
56+10	0.0000	0.96	Q					61+20	0.0000	0.95	Q				
56+15	0.0000	0.96	Q					61+25	0.0000	0.95	Q				
56+20	0.0000	0.96	Q					61+30	0.0000	0.95	Q				
56+25	0.0000	0.96	Q					61+35	0.0000	0.95	Q				
56+30	0.0000	0.96	Q					61+40	0.0000	0.95	Q				
56+35	0.0000	0.96	Q					61+45	0.0000	0.95	Q				
56+40	0.0000	0.96	Q					61+50	0.0000	0.95	Q				
56+45	0.0000	0.96	Q					61+55	0.0000	0.95	Q				
56+50	0.0000	0.96	Q					62+ 0	0.0000	0.95	Q				
56+55	0.0000	0.96	Q					62+ 5	0.0000	0.95	Q				
57+ 0	0.0000	0.96	Q					62+10	0.0000	0.95	Q				
57+ 5	0.0000	0.96	Q					62+15	0.0000	0.95	Q				
57+10	0.0000	0.96	Q					62+20	0.0000	0.95	Q				
57+15	0.0000	0.96	Q					62+25	0.0000	0.95	Q				
57+20	0.0000	0.96	Q					62+30	0.0000	0.95	Q				
57+25	0.0000	0.96	Q					62+35	0.0000	0.95	Q				
57+30	0.0000	0.96	Q					62+40	0.0000	0.95	Q				
57+35	0.0000	0.96	Q					62+45	0.0000	0.95	Q				
57+40	0.0000	0.96	Q					62+50	0.0000	0.95	Q				
57+45	0.0000	0.96	Q					62+55	0.0000	0.95	Q				
57+50	0.0000	0.96	Q					63+ 0	0.0000	0.95	Q				
57+55	0.0000	0.96	Q					63+ 5	0.0000	0.95	Q				
58+ 0	0.0000	0.96	Q					63+10	0.0000	0.95	Q				
58+ 5	0.0000	0.96	Q					63+15	0.0000	0.95	Q				
58+10	0.0000	0.96	Q					63+20	0.0000	0.95	Q				
58+15	0.0000	0.96	Q					63+25	0.0000	0.95	Q				
58+20	0.0000	0.96	Q					63+30	0.0000	0.95	Q				
58+25	0.0000	0.96	Q					63+35	0.0000	0.95	Q				
58+30	0.0000	0.96	Q					63+40	0.0000	0.95	Q				
58+35	0.0000	0.96	Q					63+45	0.0000	0.95	Q				
58+40	0.0000	0.96	Q					63+50	0.0000	0.95	Q				
58+45	0.0000	0.96	Q					63+55	0.0000	0.95	Q				
58+50	0.0000	0.96	Q					64+ 0	0.0000	0.95	Q				
58+55	0.0000	0.96	Q					64+ 5	0.0000	0.95	Q				
59+ 0	0.0000	0.96	Q					64+10	0.0000	0.95	Q				
59+ 5	0.0000	0.96	Q					64+15	0.0000	0.95	Q				
59+10	0.0000	0.96	Q					64+20	0.0000	0.95	Q				
59+15	0.0000	0.96	Q					64+25	0.0000	0.95	Q				
59+20	0.0000	0.96	Q					64+30	0.0000	0.95	Q				
59+25	0.0000	0.96	Q					64+35	0.0000	0.95	Q				
59+30	0.0000	0.96	Q					64+40	0.0000	0.94	Q				
59+35	0.0000	0.96	Q					64+45	0.0000	0.94	Q				
59+40	0.0000	0.96	Q					64+50	0.0000	0.94	Q				
59+45	0.0000	0.96	Q					64+55	0.0000	0.94	Q				
59+50	0.0000	0.95	Q					65+ 0	0.0000	0.94	Q				
59+55	0.0000	0.95	Q					65+ 5	0.0000	0.94	Q				
60+ 0	0.0000	0.95	Q					65+10	0.0000	0.94	Q				
60+ 5	0.0000	0.95	Q					65+15	0.0000	0.94	Q				
60+10	0.0000	0.95	Q					65+20	0.0000	0.94	Q				
60+15	0.0000	0.95	Q					65+25	0.0000	0.94	Q				
60+20	0.0000	0.95	Q					65+30	0.0000	0.94	Q				
60+25	0.0000	0.95	Q					65+35	0.0000	0.94	Q				
60+30	0.0000	0.95	Q					65+40	0.0000	0.94	Q				
60+35	0.0000	0.95	Q					65+45	0.0000	0.94	Q				
60+40	0.0000	0.95	Q					65+50	0.0000	0.94	Q				
60+45	0.0000	0.95	Q					65+55	0.0000	0.94	Q				
60+50	0.0000	0.95	Q					66+ 0	0.0000	0.94	Q				
60+55	0.0000	0.95	Q					66+ 5	0.0000	0.94	Q				

66+10	0.0000	0.94	Q					71+20	0.0000	0.93	Q				
66+15	0.0000	0.94	Q					71+25	0.0000	0.93	Q				
66+20	0.0000	0.94	Q					71+30	0.0000	0.93	Q				
66+25	0.0000	0.94	Q					71+35	0.0000	0.93	Q				
66+30	0.0000	0.94	Q					71+40	0.0000	0.93	Q				
66+35	0.0000	0.94	Q					71+45	0.0000	0.93	Q				
66+40	0.0000	0.94	Q					71+50	0.0000	0.93	Q				
66+45	0.0000	0.94	Q					71+55	0.0000	0.93	Q				
66+50	0.0000	0.94	Q					72+ 0	0.0000	0.93	Q				
66+55	0.0000	0.94	Q					72+ 5	0.0000	0.93	Q				
67+ 0	0.0000	0.94	Q					72+10	0.0000	0.93	Q				
67+ 5	0.0000	0.94	Q					72+15	0.0000	0.93	Q				
67+10	0.0000	0.94	Q					72+20	0.0000	0.93	Q				
67+15	0.0000	0.94	Q					72+25	0.0000	0.93	Q				
67+20	0.0000	0.94	Q					72+30	0.0000	0.93	Q				
67+25	0.0000	0.94	Q					72+35	0.0000	0.93	Q				
67+30	0.0000	0.94	Q					72+40	0.0000	0.92	Q				
67+35	0.0000	0.94	Q					72+45	0.0000	0.92	Q				
67+40	0.0000	0.94	Q					72+50	0.0000	0.92	Q				
67+45	0.0000	0.94	Q					72+55	0.0000	0.92	Q				
67+50	0.0000	0.94	Q					73+ 0	0.0000	0.92	Q				
67+55	0.0000	0.94	Q					73+ 5	0.0000	0.92	Q				
68+ 0	0.0000	0.94	Q					73+10	0.0000	0.92	Q				
68+ 5	0.0000	0.94	Q					73+15	0.0000	0.92	Q				
68+10	0.0000	0.94	Q					73+20	0.0000	0.92	Q				
68+15	0.0000	0.94	Q					73+25	0.0000	0.92	Q				
68+20	0.0000	0.94	Q					73+30	0.0000	0.92	Q				
68+25	0.0000	0.94	Q					73+35	0.0000	0.92	Q				
68+30	0.0000	0.94	Q					73+40	0.0000	0.92	Q				
68+35	0.0000	0.94	Q					73+45	0.0000	0.92	Q				
68+40	0.0000	0.93	Q					73+50	0.0000	0.92	Q				
68+45	0.0000	0.93	Q					73+55	0.0000	0.92	Q				
68+50	0.0000	0.93	Q					74+ 0	0.0000	0.92	Q				
68+55	0.0000	0.93	Q					74+ 5	0.0000	0.92	Q				
69+ 0	0.0000	0.93	Q					74+10	0.0000	0.92	Q				
69+ 5	0.0000	0.93	Q					74+15	0.0000	0.92	Q				
69+10	0.0000	0.93	Q					74+20	0.0000	0.92	Q				
69+15	0.0000	0.93	Q					74+25	0.0000	0.92	Q				
69+20	0.0000	0.93	Q					74+30	0.0000	0.92	Q				
69+25	0.0000	0.93	Q					74+35	0.0000	0.92	Q				
69+30	0.0000	0.93	Q					74+40	0.0000	0.92	Q				
69+35	0.0000	0.93	Q					74+45	0.0000	0.92	Q				
69+40	0.0000	0.93	Q					74+50	0.0000	0.92	Q				
69+45	0.0000	0.93	Q					74+55	0.0000	0.92	Q				
69+50	0.0000	0.93	Q					75+ 0	0.0000	0.92	Q				
69+55	0.0000	0.93	Q					75+ 5	0.0000	0.92	Q				
70+ 0	0.0000	0.93	Q					75+10	0.0000	0.92	Q				
70+ 5	0.0000	0.93	Q					75+15	0.0000	0.92	Q				
70+10	0.0000	0.93	Q					75+20	0.0000	0.92	Q				
70+15	0.0000	0.93	Q					75+25	0.0000	0.92	Q				
70+20	0.0000	0.93	Q					75+30	0.0000	0.92	Q				
70+25	0.0000	0.93	Q					75+35	0.0000	0.92	Q				
70+30	0.0000	0.93	Q					75+40	0.0000	0.92	Q				
70+35	0.0000	0.93	Q					75+45	0.0000	0.92	Q				
70+40	0.0000	0.93	Q					75+50	0.0000	0.92	Q				
70+45	0.0000	0.93	Q					75+55	0.0000	0.92	Q				
70+50	0.0000	0.93	Q					76+ 0	0.0000	0.92	Q				
70+55	0.0000	0.93	Q					76+ 5	0.0000	0.92	Q				
71+ 0	0.0000	0.93	Q					76+10	0.0000	0.92	Q				
71+ 5	0.0000	0.93	Q					76+15	0.0000	0.92	Q				
71+10	0.0000	0.93	Q					76+20	0.0000	0.92	Q				
71+15	0.0000	0.93	Q					76+25	0.0000	0.92	Q				

76+30	0.0000	0.92	Q					81+40	0.0000	0.90	Q				
76+35	0.0000	0.92	Q					81+45	0.0000	0.90	Q				
76+40	0.0000	0.92	Q					81+50	0.0000	0.90	Q				
76+45	0.0000	0.91	Q					81+55	0.0000	0.90	Q				
76+50	0.0000	0.91	Q					82+ 0	0.0000	0.90	Q				
76+55	0.0000	0.91	Q					82+ 5	0.0000	0.90	Q				
77+ 0	0.0000	0.91	Q					82+10	0.0000	0.90	Q				
77+ 5	0.0000	0.91	Q					82+15	0.0000	0.90	Q				
77+10	0.0000	0.91	Q					82+20	0.0000	0.90	Q				
77+15	0.0000	0.91	Q					82+25	0.0000	0.90	Q				
77+20	0.0000	0.91	Q					82+30	0.0000	0.90	Q				
77+25	0.0000	0.91	Q					82+35	0.0000	0.90	Q				
77+30	0.0000	0.91	Q					82+40	0.0000	0.90	Q				
77+35	0.0000	0.91	Q					82+45	0.0000	0.90	Q				
77+40	0.0000	0.91	Q					82+50	0.0000	0.90	Q				
77+45	0.0000	0.91	Q					82+55	0.0000	0.90	Q				
77+50	0.0000	0.91	Q					83+ 0	0.0000	0.90	Q				
77+55	0.0000	0.91	Q					83+ 5	0.0000	0.90	Q				
78+ 0	0.0000	0.91	Q					83+10	0.0000	0.90	Q				
78+ 5	0.0000	0.91	Q					83+15	0.0000	0.90	Q				
78+10	0.0000	0.91	Q					83+20	0.0000	0.90	Q				
78+15	0.0000	0.91	Q					83+25	0.0000	0.90	Q				
78+20	0.0000	0.91	Q					83+30	0.0000	0.90	Q				
78+25	0.0000	0.91	Q					83+35	0.0000	0.90	Q				
78+30	0.0000	0.91	Q					83+40	0.0000	0.90	Q				
78+35	0.0000	0.91	Q					83+45	0.0000	0.90	Q				
78+40	0.0000	0.91	Q					83+50	0.0000	0.90	Q				
78+45	0.0000	0.91	Q					83+55	0.0000	0.90	Q				
78+50	0.0000	0.91	Q					84+ 0	0.0000	0.90	Q				
78+55	0.0000	0.91	Q					84+ 5	0.0000	0.90	Q				
79+ 0	0.0000	0.91	Q					84+10	0.0000	0.90	Q				
79+ 5	0.0000	0.91	Q					84+15	0.0000	0.90	Q				
79+10	0.0000	0.91	Q					84+20	0.0000	0.90	Q				
79+15	0.0000	0.91	Q					84+25	0.0000	0.90	Q				
79+20	0.0000	0.91	Q					84+30	0.0000	0.90	Q				
79+25	0.0000	0.91	Q					84+35	0.0000	0.90	Q				
79+30	0.0000	0.91	Q					84+40	0.0000	0.90	Q				
79+35	0.0000	0.91	Q					84+45	0.0000	0.90	Q				
79+40	0.0000	0.91	Q					84+50	0.0000	0.90	Q				
79+45	0.0000	0.91	Q					84+55	0.0000	0.90	Q				
79+50	0.0000	0.91	Q					85+ 0	0.0000	0.90	Q				
79+55	0.0000	0.91	Q					85+ 5	0.0000	0.90	Q				
80+ 0	0.0000	0.91	Q					85+10	0.0000	0.90	Q				
80+ 5	0.0000	0.91	Q					85+15	0.0000	0.90	Q				
80+10	0.0000	0.91	Q					85+20	0.0000	0.90	Q				
80+15	0.0000	0.91	Q					85+25	0.0000	0.90	Q				
80+20	0.0000	0.91	Q					85+30	0.0000	0.90	Q				
80+25	0.0000	0.91	Q					85+35	0.0000	0.90	Q				
80+30	0.0000	0.91	Q					85+40	0.0000	0.90	Q				
80+35	0.0000	0.91	Q					85+45	0.0000	0.90	Q				
80+40	0.0000	0.91	Q					85+50	0.0000	0.90	Q				
80+45	0.0000	0.91	Q					85+55	0.0000	0.90	Q				
80+50	0.0000	0.91	Q					86+ 0	0.0000	0.90	Q				
80+55	0.0000	0.91	Q					86+ 5	0.0000	0.90	Q				
81+ 0	0.0000	0.91	Q					86+10	0.0000	0.90	Q				
81+ 5	0.0000	0.91	Q					86+15	0.0000	0.90	Q				
81+10	0.0000	0.91	Q					86+20	0.0000	0.90	Q				
81+15	0.0000	0.91	Q					86+25	0.0000	0.90	Q				
81+20	0.0000	0.91	Q					86+30	0.0000	0.90	Q				
81+25	0.0000	0.90	Q					86+35	0.0000	0.89	Q				
81+30	0.0000	0.90	Q					86+40	0.0000	0.89	Q				
81+35	0.0000	0.90	Q					86+45	0.0000	0.89	Q				

86+50	0.0000	0.89	Q					92+ 0	0.0000	0.88	Q				
86+55	0.0000	0.89	Q					92+ 5	0.0000	0.88	Q				
87+ 0	0.0000	0.89	Q					92+10	0.0000	0.88	Q				
87+ 5	0.0000	0.89	Q					92+15	0.0000	0.88	Q				
87+10	0.0000	0.89	Q					92+20	0.0000	0.88	Q				
87+15	0.0000	0.89	Q					92+25	0.0000	0.88	Q				
87+20	0.0000	0.89	Q					92+30	0.0000	0.88	Q				
87+25	0.0000	0.89	Q					92+35	0.0000	0.88	Q				
87+30	0.0000	0.89	Q					92+40	0.0000	0.88	Q				
87+35	0.0000	0.89	Q					92+45	0.0000	0.88	Q				
87+40	0.0000	0.89	Q					92+50	0.0000	0.88	Q				
87+45	0.0000	0.89	Q					92+55	0.0000	0.88	Q				
87+50	0.0000	0.89	Q					93+ 0	0.0000	0.88	Q				
87+55	0.0000	0.89	Q					93+ 5	0.0000	0.88	Q				
88+ 0	0.0000	0.89	Q					93+10	0.0000	0.88	Q				
88+ 5	0.0000	0.89	Q					93+15	0.0000	0.88	Q				
88+10	0.0000	0.89	Q					93+20	0.0000	0.88	Q				
88+15	0.0000	0.89	Q					93+25	0.0000	0.88	Q				
88+20	0.0000	0.89	Q					93+30	0.0000	0.88	Q				
88+25	0.0000	0.89	Q					93+35	0.0000	0.88	Q				
88+30	0.0000	0.89	Q					93+40	0.0000	0.88	Q				
88+35	0.0000	0.89	Q					93+45	0.0000	0.88	Q				
88+40	0.0000	0.89	Q					93+50	0.0000	0.88	Q				
88+45	0.0000	0.89	Q					93+55	0.0000	0.88	Q				
88+50	0.0000	0.89	Q					94+ 0	0.0000	0.88	Q				
88+55	0.0000	0.89	Q					94+ 5	0.0000	0.88	Q				
89+ 0	0.0000	0.89	Q					94+10	0.0000	0.88	Q				
89+ 5	0.0000	0.89	Q					94+15	0.0000	0.88	Q				
89+10	0.0000	0.89	Q					94+20	0.0000	0.88	Q				
89+15	0.0000	0.89	Q					94+25	0.0000	0.88	Q				
89+20	0.0000	0.89	Q					94+30	0.0000	0.88	Q				
89+25	0.0000	0.89	Q					94+35	0.0000	0.88	Q				
89+30	0.0000	0.89	Q					94+40	0.0000	0.88	Q				
89+35	0.0000	0.89	Q					94+45	0.0000	0.88	Q				
89+40	0.0000	0.89	Q					94+50	0.0000	0.88	Q				
89+45	0.0000	0.89	Q					94+55	0.0000	0.88	Q				
89+50	0.0000	0.89	Q					95+ 0	0.0000	0.88	Q				
89+55	0.0000	0.89	Q					95+ 5	0.0000	0.88	Q				
90+ 0	0.0000	0.89	Q					95+10	0.0000	0.88	Q				
90+ 5	0.0000	0.89	Q					95+15	0.0000	0.88	Q				
90+10	0.0000	0.89	Q					95+20	0.0000	0.88	Q				
90+15	0.0000	0.89	Q					95+25	0.0000	0.88	Q				
90+20	0.0000	0.89	Q					95+30	0.0000	0.88	Q				
90+25	0.0000	0.89	Q					95+35	0.0000	0.88	Q				
90+30	0.0000	0.89	Q					95+40	0.0000	0.88	Q				
90+35	0.0000	0.89	Q					95+45	0.0000	0.88	Q				
90+40	0.0000	0.89	Q					95+50	0.0000	0.88	Q				
90+45	0.0000	0.89	Q					95+55	0.0000	0.88	Q				
90+50	0.0000	0.89	Q					96+ 0	0.0000	0.88	Q				
90+55	0.0000	0.89	Q					96+ 5	0.0000	0.88	Q				
91+ 0	0.0000	0.89	Q					96+10	0.0000	0.88	Q				
91+ 5	0.0000	0.89	Q					96+15	0.0000	0.88	Q				
91+10	0.0000	0.89	Q					96+20	0.0000	0.87	Q				
91+15	0.0000	0.89	Q					96+25	0.0000	0.87	Q				
91+20	0.0000	0.89	Q					96+30	0.0000	0.87	Q				
91+25	0.0000	0.89	Q					96+35	0.0000	0.87	Q				
91+30	0.0000	0.89	Q					96+40	0.0000	0.87	Q				
91+35	0.0000	0.89	Q					96+45	0.0000	0.87	Q				
91+40	0.0000	0.89	Q					96+50	0.0000	0.87	Q				
91+45	0.0000	0.89	Q					96+55	0.0000	0.87	Q				
91+50	0.0000	0.88	Q					97+ 0	0.0000	0.87	Q				
91+55	0.0000	0.88	Q					97+ 5	0.0000	0.87	Q				

97+10	0.0000	0.87	Q					102+20	0.0000	0.86	Q				
97+15	0.0000	0.87	Q					102+25	0.0000	0.86	Q				
97+20	0.0000	0.87	Q					102+30	0.0000	0.86	Q				
97+25	0.0000	0.87	Q					102+35	0.0000	0.86	Q				
97+30	0.0000	0.87	Q					102+40	0.0000	0.86	Q				
97+35	0.0000	0.87	Q					102+45	0.0000	0.86	Q				
97+40	0.0000	0.87	Q					102+50	0.0000	0.86	Q				
97+45	0.0000	0.87	Q					102+55	0.0000	0.86	Q				
97+50	0.0000	0.87	Q					103+ 0	0.0000	0.86	Q				
97+55	0.0000	0.87	Q					103+ 5	0.0000	0.86	Q				
98+ 0	0.0000	0.87	Q					103+10	0.0000	0.86	Q				
98+ 5	0.0000	0.87	Q					103+15	0.0000	0.86	Q				
98+10	0.0000	0.87	Q					103+20	0.0000	0.86	Q				
98+15	0.0000	0.87	Q					103+25	0.0000	0.86	Q				
98+20	0.0000	0.87	Q					103+30	0.0000	0.86	Q				
98+25	0.0000	0.87	Q					103+35	0.0000	0.86	Q				
98+30	0.0000	0.87	Q					103+40	0.0000	0.86	Q				
98+35	0.0000	0.87	Q					103+45	0.0000	0.86	Q				
98+40	0.0000	0.87	Q					103+50	0.0000	0.85	Q				
98+45	0.0000	0.87	Q					103+55	0.0000	0.85	Q				
98+50	0.0000	0.87	Q					104+ 0	0.0000	0.85	Q				
98+55	0.0000	0.87	Q					104+ 5	0.0000	0.85	Q				
99+ 0	0.0000	0.87	Q					104+10	0.0000	0.85	Q				
99+ 5	0.0000	0.87	Q					104+15	0.0000	0.85	Q				
99+10	0.0000	0.87	Q					104+20	0.0000	0.85	Q				
99+15	0.0000	0.87	Q					104+25	0.0000	0.85	Q				
99+20	0.0000	0.87	Q					104+30	0.0000	0.85	Q				
99+25	0.0000	0.87	Q					104+35	0.0000	0.85	Q				
99+30	0.0000	0.87	Q					104+40	0.0000	0.85	Q				
99+35	0.0000	0.87	Q					104+45	0.0000	0.85	Q				
99+40	0.0000	0.87	Q					104+50	0.0000	0.85	Q				
99+45	0.0000	0.87	Q					104+55	0.0000	0.85	Q				
99+50	0.0000	0.87	Q					105+ 0	0.0000	0.85	Q				
99+55	0.0000	0.87	Q					105+ 5	0.0000	0.85	Q				
100+ 0	0.0000	0.87	Q					105+10	0.0000	0.85	Q				
100+ 5	0.0000	0.86	Q					105+15	0.0000	0.85	Q				
100+10	0.0000	0.86	Q					105+20	0.0000	0.85	Q				
100+15	0.0000	0.86	Q					105+25	0.0000	0.85	Q				
100+20	0.0000	0.86	Q					105+30	0.0000	0.85	Q				
100+25	0.0000	0.86	Q					105+35	0.0000	0.85	Q				
100+30	0.0000	0.86	Q					105+40	0.0000	0.85	Q				
100+35	0.0000	0.86	Q					105+45	0.0000	0.85	Q				
100+40	0.0000	0.86	Q					105+50	0.0000	0.85	Q				
100+45	0.0000	0.86	Q					105+55	0.0000	0.85	Q				
100+50	0.0000	0.86	Q					106+ 0	0.0000	0.85	Q				
100+55	0.0000	0.86	Q					106+ 5	0.0000	0.85	Q				
101+ 0	0.0000	0.86	Q					106+10	0.0000	0.85	Q				
101+ 5	0.0000	0.86	Q					106+15	0.0000	0.85	Q				
101+10	0.0000	0.86	Q					106+20	0.0000	0.85	Q				
101+15	0.0000	0.86	Q					106+25	0.0000	0.85	Q				
101+20	0.0000	0.86	Q					106+30	0.0000	0.85	Q				
101+25	0.0000	0.86	Q					106+35	0.0000	0.85	Q				
101+30	0.0000	0.86	Q					106+40	0.0000	0.85	Q				
101+35	0.0000	0.86	Q					106+45	0.0000	0.85	Q				
101+40	0.0000	0.86	Q					106+50	0.0000	0.85	Q				
101+45	0.0000	0.86	Q					106+55	0.0000	0.85	Q				
101+50	0.0000	0.86	Q					107+ 0	0.0000	0.85	Q				
101+55	0.0000	0.86	Q					107+ 5	0.0000	0.85	Q				
102+ 0	0.0000	0.86	Q					107+10	0.0000	0.85	Q				
102+ 5	0.0000	0.86	Q					107+15	0.0000	0.85	Q				
102+10	0.0000	0.86	Q					107+20	0.0000	0.85	Q				
102+15	0.0000	0.86	Q					107+25	0.0000	0.85	Q				

107+30	0.0000	0.85	Q					112+40	0.0000	0.82	Q				
107+35	0.0000	0.85	Q					112+45	0.0000	0.82	Q				
107+40	0.0000	0.84	Q					112+50	0.0000	0.82	Q				
107+45	0.0000	0.84	Q					112+55	0.0000	0.82	Q				
107+50	0.0000	0.84	Q					113+ 0	0.0000	0.82	Q				
107+55	0.0000	0.84	Q					113+ 5	0.0000	0.82	Q				
108+ 0	0.0000	0.84	Q					113+10	0.0000	0.82	Q				
108+ 5	0.0000	0.84	Q					113+15	0.0000	0.82	Q				
108+10	0.0000	0.84	Q					113+20	0.0000	0.82	Q				
108+15	0.0000	0.84	Q					113+25	0.0000	0.82	Q				
108+20	0.0000	0.84	Q					113+30	0.0000	0.82	Q				
108+25	0.0000	0.84	Q					113+35	0.0000	0.82	Q				
108+30	0.0000	0.84	Q					113+40	0.0000	0.82	Q				
108+35	0.0000	0.84	Q					113+45	0.0000	0.82	Q				
108+40	0.0000	0.84	Q					113+50	0.0000	0.82	Q				
108+45	0.0000	0.84	Q					113+55	0.0000	0.82	Q				
108+50	0.0000	0.84	Q					114+ 0	0.0000	0.82	Q				
108+55	0.0000	0.84	Q					114+ 5	0.0000	0.82	Q				
109+ 0	0.0000	0.84	Q					114+10	0.0000	0.81	Q				
109+ 5	0.0000	0.84	Q					114+15	0.0000	0.81	Q				
109+10	0.0000	0.84	Q					114+20	0.0000	0.81	Q				
109+15	0.0000	0.84	Q					114+25	0.0000	0.81	Q				
109+20	0.0000	0.84	Q					114+30	0.0000	0.81	Q				
109+25	0.0000	0.84	Q					114+35	0.0000	0.81	Q				
109+30	0.0000	0.84	Q					114+40	0.0000	0.81	Q				
109+35	0.0000	0.84	Q					114+45	0.0000	0.81	Q				
109+40	0.0000	0.84	Q					114+50	0.0000	0.81	Q				
109+45	0.0000	0.84	Q					114+55	0.0000	0.81	Q				
109+50	0.0000	0.84	Q					115+ 0	0.0000	0.81	Q				
109+55	0.0000	0.84	Q					115+ 5	0.0000	0.81	Q				
110+ 0	0.0000	0.84	Q					115+10	0.0000	0.81	Q				
110+ 5	0.0000	0.84	Q					115+15	0.0000	0.81	Q				
110+10	0.0000	0.84	Q					115+20	0.0000	0.81	Q				
110+15	0.0000	0.84	Q					115+25	0.0000	0.81	Q				
110+20	0.0000	0.84	Q					115+30	0.0000	0.81	Q				
110+25	0.0000	0.84	Q					115+35	0.0000	0.81	Q				
110+30	0.0000	0.83	Q					115+40	0.0000	0.81	Q				
110+35	0.0000	0.83	Q					115+45	0.0000	0.81	Q				
110+40	0.0000	0.83	Q					115+50	0.0000	0.81	Q				
110+45	0.0000	0.83	Q					115+55	0.0000	0.81	Q				
110+50	0.0000	0.83	Q					116+ 0	0.0000	0.81	Q				
110+55	0.0000	0.83	Q					116+ 5	0.0000	0.80	Q				
111+ 0	0.0000	0.83	Q					116+10	0.0000	0.80	Q				
111+ 5	0.0000	0.83	Q					116+15	0.0000	0.80	Q				
111+10	0.0000	0.83	Q					116+20	0.0000	0.80	Q				
111+15	0.0000	0.83	Q					116+25	0.0000	0.80	Q				
111+20	0.0000	0.83	Q					116+30	0.0000	0.80	Q				
111+25	0.0000	0.83	Q					116+35	0.0000	0.80	Q				
111+30	0.0000	0.83	Q					116+40	0.0000	0.80	Q				
111+35	0.0000	0.83	Q					116+45	0.0000	0.80	Q				
111+40	0.0000	0.83	Q					116+50	0.0000	0.80	Q				
111+45	0.0000	0.83	Q					116+55	0.0000	0.80	Q				
111+50	0.0000	0.83	Q					117+ 0	0.0000	0.80	Q				
111+55	0.0000	0.83	Q					117+ 5	0.0000	0.80	Q				
112+ 0	0.0000	0.83	Q					117+10	0.0000	0.80	Q				
112+ 5	0.0000	0.83	Q					117+15	0.0000	0.80	Q				
112+10	0.0000	0.83	Q					117+20	0.0000	0.80	Q				
112+15	0.0000	0.83	Q					117+25	0.0000	0.80	Q				
112+20	0.0000	0.82	Q					117+30	0.0000	0.80	Q				
112+25	0.0000	0.82	Q					117+35	0.0000	0.80	Q				
112+30	0.0000	0.82	Q					117+40	0.0000	0.80	Q				
112+35	0.0000	0.82	Q					117+45	0.0000	0.80	Q				

117+50	0.0000	0.80	Q					123+ 0	0.0000	0.77	Q				
117+55	0.0000	0.79	Q					123+ 5	0.0000	0.77	Q				
118+ 0	0.0000	0.79	Q					123+10	0.0000	0.77	Q				
118+ 5	0.0000	0.79	Q					123+15	0.0000	0.77	Q				
118+10	0.0000	0.79	Q					123+20	0.0000	0.77	Q				
118+15	0.0000	0.79	Q					123+25	0.0000	0.77	Q				
118+20	0.0000	0.79	Q					123+30	0.0000	0.77	Q				
118+25	0.0000	0.79	Q					123+35	0.0000	0.77	Q				
118+30	0.0000	0.79	Q					123+40	0.0000	0.77	Q				
118+35	0.0000	0.79	Q					123+45	0.0000	0.76	Q				
118+40	0.0000	0.79	Q					123+50	0.0000	0.76	Q				
118+45	0.0000	0.79	Q					123+55	0.0000	0.76	Q				
118+50	0.0000	0.79	Q					124+ 0	0.0000	0.76	Q				
118+55	0.0000	0.79	Q					124+ 5	0.0000	0.76	Q				
119+ 0	0.0000	0.79	Q					124+10	0.0000	0.76	Q				
119+ 5	0.0000	0.79	Q					124+15	0.0000	0.76	Q				
119+10	0.0000	0.79	Q					124+20	0.0000	0.76	Q				
119+15	0.0000	0.79	Q					124+25	0.0000	0.76	Q				
119+20	0.0000	0.79	Q					124+30	0.0000	0.76	Q				
119+25	0.0000	0.79	Q					124+35	0.0000	0.76	Q				
119+30	0.0000	0.79	Q					124+40	0.0000	0.76	Q				
119+35	0.0000	0.79	Q					124+45	0.0000	0.76	Q				
119+40	0.0000	0.79	Q					124+50	0.0000	0.76	Q				
119+45	0.0000	0.79	Q					124+55	0.0000	0.76	Q				
119+50	0.0000	0.78	Q					125+ 0	0.0000	0.76	Q				
119+55	0.0000	0.78	Q					125+ 5	0.0000	0.76	Q				
120+ 0	0.0000	0.78	Q					125+10	0.0000	0.76	Q				
120+ 5	0.0000	0.78	Q					125+15	0.0000	0.76	Q				
120+10	0.0000	0.78	Q					125+20	0.0000	0.76	Q				
120+15	0.0000	0.78	Q					125+25	0.0000	0.76	Q				
120+20	0.0000	0.78	Q					125+30	0.0000	0.76	Q				
120+25	0.0000	0.78	Q					125+35	0.0000	0.76	Q				
120+30	0.0000	0.78	Q					125+40	0.0000	0.76	Q				
120+35	0.0000	0.78	Q					125+45	0.0000	0.76	Q				
120+40	0.0000	0.78	Q					125+50	0.0000	0.76	Q				
120+45	0.0000	0.78	Q					125+55	0.0000	0.76	Q				
120+50	0.0000	0.78	Q					126+ 0	0.0000	0.76	Q				
120+55	0.0000	0.78	Q					126+ 5	0.0000	0.76	Q				
121+ 0	0.0000	0.78	Q					126+10	0.0000	0.76	Q				
121+ 5	0.0000	0.78	Q					126+15	0.0000	0.75	Q				
121+10	0.0000	0.78	Q					126+20	0.0000	0.75	Q				
121+15	0.0000	0.78	Q					126+25	0.0000	0.75	Q				
121+20	0.0000	0.78	Q					126+30	0.0000	0.75	Q				
121+25	0.0000	0.78	Q					126+35	0.0000	0.75	Q				
121+30	0.0000	0.78	Q					126+40	0.0000	0.75	Q				
121+35	0.0000	0.78	Q					126+45	0.0000	0.75	Q				
121+40	0.0000	0.78	Q					126+50	0.0000	0.75	Q				
121+45	0.0000	0.78	Q					126+55	0.0000	0.75	Q				
121+50	0.0000	0.77	Q					127+ 0	0.0000	0.75	Q				
121+55	0.0000	0.77	Q					127+ 5	0.0000	0.75	Q				
122+ 0	0.0000	0.77	Q					127+10	0.0000	0.75	Q				
122+ 5	0.0000	0.77	Q					127+15	0.0000	0.75	Q				
122+10	0.0000	0.77	Q					127+20	0.0000	0.75	Q				
122+15	0.0000	0.77	Q					127+25	0.0000	0.75	Q				
122+20	0.0000	0.77	Q					127+30	0.0000	0.75	Q				
122+25	0.0000	0.77	Q					127+35	0.0000	0.75	Q				
122+30	0.0000	0.77	Q					127+40	0.0000	0.75	Q				
122+35	0.0000	0.77	Q					127+45	0.0000	0.75	Q				
122+40	0.0000	0.77	Q					127+50	0.0000	0.75	Q				
122+45	0.0000	0.77	Q					127+55	0.0000	0.75	Q				
122+50	0.0000	0.77	Q					128+ 0	0.0000	0.75	Q				
122+55	0.0000	0.77	Q					128+ 5	0.0000	0.75	Q				

128+10	0.0000	0.75	Q					133+20	0.0000	0.73	Q				
128+15	0.0000	0.75	Q					133+25	0.0000	0.73	Q				
128+20	0.0000	0.75	Q					133+30	0.0000	0.73	Q				
128+25	0.0000	0.75	Q					133+35	0.0000	0.73	Q				
128+30	0.0000	0.75	Q					133+40	0.0000	0.73	Q				
128+35	0.0000	0.75	Q					133+45	0.0000	0.73	Q				
128+40	0.0000	0.75	Q					133+50	0.0000	0.73	Q				
128+45	0.0000	0.75	Q					133+55	0.0000	0.73	Q				
128+50	0.0000	0.75	Q					134+ 0	0.0000	0.73	Q				
128+55	0.0000	0.75	Q					134+ 5	0.0000	0.73	Q				
129+ 0	0.0000	0.75	Q					134+10	0.0000	0.73	Q				
129+ 5	0.0000	0.75	Q					134+15	0.0000	0.73	Q				
129+10	0.0000	0.75	Q					134+20	0.0000	0.73	Q				
129+15	0.0000	0.74	Q					134+25	0.0000	0.73	Q				
129+20	0.0000	0.74	Q					134+30	0.0000	0.73	Q				
129+25	0.0000	0.74	Q					134+35	0.0000	0.73	Q				
129+30	0.0000	0.74	Q					134+40	0.0000	0.73	Q				
129+35	0.0000	0.74	Q					134+45	0.0000	0.73	Q				
129+40	0.0000	0.74	Q					134+50	0.0000	0.73	Q				
129+45	0.0000	0.74	Q					134+55	0.0000	0.73	Q				
129+50	0.0000	0.74	Q					135+ 0	0.0000	0.73	Q				
129+55	0.0000	0.74	Q					135+ 5	0.0000	0.73	Q				
130+ 0	0.0000	0.74	Q					135+10	0.0000	0.73	Q				
130+ 5	0.0000	0.74	Q					135+15	0.0000	0.73	Q				
130+10	0.0000	0.74	Q					135+20	0.0000	0.73	Q				
130+15	0.0000	0.74	Q					135+25	0.0000	0.72	Q				
130+20	0.0000	0.74	Q					135+30	0.0000	0.72	Q				
130+25	0.0000	0.74	Q					135+35	0.0000	0.72	Q				
130+30	0.0000	0.74	Q					135+40	0.0000	0.72	Q				
130+35	0.0000	0.74	Q					135+45	0.0000	0.72	Q				
130+40	0.0000	0.74	Q					135+50	0.0000	0.72	Q				
130+45	0.0000	0.74	Q					135+55	0.0000	0.72	Q				
130+50	0.0000	0.74	Q					136+ 0	0.0000	0.72	Q				
130+55	0.0000	0.74	Q					136+ 5	0.0000	0.72	Q				
131+ 0	0.0000	0.74	Q					136+10	0.0000	0.72	Q				
131+ 5	0.0000	0.74	Q					136+15	0.0000	0.72	Q				
131+10	0.0000	0.74	Q					136+20	0.0000	0.72	Q				
131+15	0.0000	0.74	Q					136+25	0.0000	0.72	Q				
131+20	0.0000	0.74	Q					136+30	0.0000	0.72	Q				
131+25	0.0000	0.74	Q					136+35	0.0000	0.72	Q				
131+30	0.0000	0.74	Q					136+40	0.0000	0.72	Q				
131+35	0.0000	0.74	Q					136+45	0.0000	0.72	Q				
131+40	0.0000	0.74	Q					136+50	0.0000	0.72	Q				
131+45	0.0000	0.74	Q					136+55	0.0000	0.72	Q				
131+50	0.0000	0.74	Q					137+ 0	0.0000	0.72	Q				
131+55	0.0000	0.74	Q					137+ 5	0.0000	0.72	Q				
132+ 0	0.0000	0.74	Q					137+10	0.0000	0.72	Q				
132+ 5	0.0000	0.74	Q					137+15	0.0000	0.72	Q				
132+10	0.0000	0.74	Q					137+20	0.0000	0.72	Q				
132+15	0.0000	0.74	Q					137+25	0.0000	0.72	Q				
132+20	0.0000	0.73	Q					137+30	0.0000	0.72	Q				
132+25	0.0000	0.73	Q					137+35	0.0000	0.72	Q				
132+30	0.0000	0.73	Q					137+40	0.0000	0.72	Q				
132+35	0.0000	0.73	Q					137+45	0.0000	0.72	Q				
132+40	0.0000	0.73	Q					137+50	0.0000	0.72	Q				
132+45	0.0000	0.73	Q					137+55	0.0000	0.72	Q				
132+50	0.0000	0.73	Q					138+ 0	0.0000	0.72	Q				
132+55	0.0000	0.73	Q					138+ 5	0.0000	0.72	Q				
133+ 0	0.0000	0.73	Q					138+10	0.0000	0.72	Q				
133+ 5	0.0000	0.73	Q					138+15	0.0000	0.72	Q				
133+10	0.0000	0.73	Q					138+20	0.0000	0.72	Q				
133+15	0.0000	0.73	Q					138+25	0.0000	0.72	Q				

```
 138+30       0.0000      0.71  Q         |         |         |         |
 138+35       0.0000      0.71  Q         |         |         |         |
 138+40       0.0000      0.71  Q         |         |         |         |
 138+45       0.0000      0.71  Q         |         |         |         |
 138+50       0.0000      0.71  Q         |         |         |         |
 138+55       0.0000      0.71  Q         |         |         |         |
 139+ 0       0.0000      0.71  Q         |         |         |         |
 139+ 5       0.0000      0.71  Q         |         |         |         |
 139+10       0.0000      0.71  Q         |         |         |         |
 139+15       0.0000      0.71  Q         |         |         |         |
 139+20       0.0000      0.71  Q         |         |         |         |
 139+25       0.0000      0.71  Q         |         |         |         |
 139+30       0.0000      0.71  Q         |         |         |         |
 139+35       0.0000      0.71  Q         |         |         |         |
 139+40       0.0000      0.71  Q         |         |         |         |
 139+45       0.0000      0.71  Q         |         |         |         |
 139+50       0.0000      0.71  Q         |         |         |         |
 139+55       0.0000      0.71  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  5002
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       99.186 (CFS)
                    Total volume =      24.002 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.200
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        _____________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 2 with
        a starting time of   0.00 hours and ending time of   6.00 hours
        With a total volume of       5.22(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000    99.186     0.000     0.000     0.000
             Vol (Ac.Ft)     0.000     5.218     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.200
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        _____________________________________________________________________
        Current stream hydrograph deleted by user.
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000    99.186     0.000     0.000     0.000
             Vol (Ac.Ft)     0.000     5.218     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.390 to Point/Station        4.400
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP4C1006100.rte
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T   O F   S T O R M
                        R u n o f f     H y d r o g r a p h
        -------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        -------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        2.7       5.4       8.1       10.8
-------------------------------------------------------------------------
  0+ 5       0.0377      0.04  Q         |         |         |         |
  0+10       0.1167      0.12  Q         |         |         |         |
  0+15       0.1474      0.15  Q         |         |         |         |
  0+20       0.1543      0.15  Q         |         |         |         |
  0+25       0.1563      0.16  Q         |         |         |         |
  0+30       0.1641      0.16  Q         |         |         |         |
  0+35       0.1784      0.18  Q         |         |         |         |
  0+40       0.1817      0.18  Q         |         |         |         |
  0+45       0.1824      0.18  Q         |         |         |         |
  0+50       0.1827      0.18  Q         |         |         |         |
  0+55       0.1827      0.18  Q         |         |         |         |
  1+ 0       0.1941      0.19  Q         |         |         |         |
  1+ 5       0.2156      0.22  Q         |         |         |         |
  1+10       0.2205      0.22  Q         |         |         |         |
  1+15       0.2216      0.22  Q         |         |         |         |
  1+20       0.2220      0.22  Q         |         |         |         |
  1+25       0.2220      0.22  Q         |         |         |         |
  1+30       0.2220      0.22  Q         |         |         |         |
  1+35       0.2220      0.22  Q         |         |         |         |
  1+40       0.2220      0.22  Q         |         |         |         |
  1+45       0.2220      0.22  Q         |         |         |         |
  1+50       0.2220      0.22  Q         |         |         |         |
  1+55       0.2220      0.22  Q         |         |         |         |
  2+ 0       0.2973      0.30  |Q        |         |         |         |
  2+ 5       0.3650      0.36  |Q        |         |         |         |
  2+10       0.3302      0.33  |Q        |         |         |         |
  2+15       0.4475      0.45  |Q        |         |         |         |
  2+20       0.4759      0.48  |Q        |         |         |         |
  2+25       0.4803      0.48  |Q        |         |         |         |
  2+30       0.4830      0.48  |Q        |         |         |         |
  2+35       0.4830      0.48  |Q        |         |         |         |
  2+40       0.4830      0.48  |Q        |         |         |         |
  2+45       0.5584      0.56  | Q       |         |         |         |
  2+50       0.7013      0.70  | Q       |         |         |         |
```

```
  2+55       0.7342      0.73  | Q       |         |         |         |
  3+ 0       0.7413      0.74  | Q       |         |         |         |
  3+ 5       0.7440      0.74  | Q       |         |         |         |
  3+10       0.8194      0.82  |  Q      |         |         |         |
  3+15       0.9623      0.96  |  Q      |         |         |         |
  3+20       0.9952      1.00  |  Q      |         |         |         |
  3+25       1.0777      1.08  |  Q      |         |         |         |
  3+30       1.2987      1.30  |   Q     |         |         |         |
  3+35       1.5498      1.55  |    Q    |         |         |         |
  3+40       1.7328      1.73  |     Q   |         |         |         |
  3+45       1.8509      1.85  |     Q   |         |         |         |
  3+50       2.0037      2.00  |      Q  |         |         |         |
  3+55       2.1146      2.11  |      Q  |         |         |         |
  4+ 0       2.2647      2.26  |       Q |         |         |         |
  4+ 5       2.3756      2.38  |       Q |         |         |         |
  4+10       2.6011      2.60  |        Q|         |         |         |
  4+15       2.8550      2.85  |         Q         |         |         |
  4+20       3.1133      3.11  |         |Q        |         |         |
  4+25       3.3743      3.37  |         | Q       |         |         |
  4+30       3.5600      3.56  |         |  Q      |         |         |
  4+35       3.6781      3.68  |         |  Q      |         |         |
  4+40       3.9062      3.91  |         |   Q     |         |         |
  4+45       4.1601      4.16  |         |    Q    |         |         |
  4+50       4.3431      4.34  |         |     Q   |         |         |
  4+55       4.4611      4.46  |         |     Q   |         |         |
  5+ 0       4.6893      4.69  |         |      Q  |         |         |
  5+ 5       5.2445      5.24  |         |        Q|         |         |
  5+10       6.3759      6.38  |         |         |  Q      |         |
  5+15       7.4909      7.49  |         |         |      Q  |         |
  5+20       8.3486      8.35  |         |         |         Q         |
  5+25       9.3021      9.30  |         |         |         |   Q     |
  5+30      10.8284     10.83  |         |         |         |         Q
  5+35       9.5219      9.52  |         |         |         |    Q    |
  5+40       3.8189      3.82  |         |    Q    |         |         |
  5+45       1.1572      1.16  |   Q     |         |         |         |
  5+50       0.4015      0.40  |Q        |         |         |         |
  5+55       0.1592      0.16  Q         |         |         |         |
  6+ 0       0.0837      0.08  Q         |         |         |         |
  6+ 5       0.0437      0.04  Q         |         |         |         |
  6+10       0.0101      0.01  Q         |         |         |         |
  6+15       0.0022      0.00  Q         |         |         |         |
  6+20       0.0005      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =    76
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       10.828 (CFS)
                  Total volume =       0.924 (Ac.Ft)
            Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000    99.186     0.000     0.000     0.000
            Vol (Ac.Ft)     0.000     5.218     0.000     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.400 to Point/Station        4.200
      **** STREAM ROUTING SCS CONVEX METHOD ****
      _____________________________________________________________________
      HYDROGRAPH STREAM ROUTING DATA:

      Length of stream =    794.00 (Ft.)
      Elevation difference =    4.00 (Ft.)
      Slope of channel =  0.005038 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =   794.00(Ft.)   Elevation difference =   4.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =     1.918(CFS)
      Nearest computed pipe diameter  =     12.00(In.)
      Calculated individual pipe flow  =     1.918(CFS)
      Normal flow depth in pipe =    7.82(In.)
      Flow top width inside pipe =   11.44(In.)
      Critical Depth =    0.59(Ft.)
      Pipe flow velocity =      3.54(Ft/s)
      Travel time through pipe =    3.74 min.


      Pipe length  =   794.00(Ft.)   Elevation difference =   4.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =    10.828(CFS)
      Nearest computed pipe diameter  =     21.00(In.)
      Calculated individual pipe flow  =    10.828(CFS)
      Normal flow depth in pipe =   16.55(In.)
      Flow top width inside pipe =   17.17(In.)
      Critical Depth =    1.23(Ft.)
      Pipe flow velocity =      5.33(Ft/s)
      Travel time through pipe =    2.48 min.


      ********************** SCS CONVEX CHANNEL ROUTING **********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.7580   Travel time =   2.48 (min.)
               dt*(unit time interval) =   5.00(min.),  e=   2.1030
               dt(routing time-step) =   1.88 (min.),   c* =   0.9494

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T   O F   S T O R M
                      R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals (CFS)
      ---------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        2.7       5.4       8.1       10.8
---------------------------------------------------------------------------
  0+ 5       0.0223      0.04  O         |         |         |         |
  0+10       0.0836      0.12  O         |         |         |         |
  0+15       0.1332      0.15  O         |         |         |         |
  0+20       0.1507      0.15  O         |         |         |         |
  0+25       0.1553      0.16  O         |         |         |         |
  0+30       0.1609      0.16  O         |         |         |         |
  0+35       0.1724      0.18  O         |         |         |         |
  0+40       0.1801      0.18  O         |         |         |         |
  0+45       0.1821      0.18  O         |         |         |         |
```

```
0+50       0.1826      0.18  O         |         |         |         |
0+55       0.1827      0.18  O         |         |         |         |
1+ 0       0.1894      0.19  O         |         |         |         |
1+ 5       0.2066      0.22  O         |         |         |         |
1+10       0.2180      0.22  O         |         |         |         |
1+15       0.2210      0.22  O         |         |         |         |
1+20       0.2218      0.22  O         |         |         |         |
1+25       0.2220      0.22  O         |         |         |         |
1+30       0.2220      0.22  O         |         |         |         |
1+35       0.2220      0.22  O         |         |         |         |
1+40       0.2220      0.22  O         |         |         |         |
1+45       0.2220      0.22  O         |         |         |         |
1+50       0.2220      0.22  O         |         |         |         |
1+55       0.2220      0.22  O         |         |         |         |
2+ 0       0.2666      0.30  OI        |         |         |         |
2+ 5       0.3358      0.36  |O        |         |         |         |
2+10       0.3429      0.33  |O        |         |         |         |
2+15       0.4002      0.45  |O        |         |         |         |
2+20       0.4619      0.48  |O        |         |         |         |
2+25       0.4778      0.48  |O        |         |         |         |
2+30       0.4818      0.48  |O        |         |         |         |
2+35       0.4830      0.48  |O        |         |         |         |
2+40       0.4830      0.48  |O        |         |         |         |
2+45       0.5276      0.56  |OI       |         |         |         |
2+50       0.6414      0.70  | O       |         |         |         |
2+55       0.7177      0.73  | O       |         |         |         |
3+ 0       0.7376      0.74  | O       |         |         |         |
3+ 5       0.7428      0.74  | O       |         |         |         |
3+10       0.7886      0.82  | OI      |         |         |         |
3+15       0.9024      0.96  |  O      |         |         |         |
3+20       0.9787      1.00  |  O      |         |         |         |
3+25       1.0432      1.08  |  O      |         |         |         |
3+30       1.2067      1.30  |   O     |         |         |         |
3+35       1.4426      1.55  |    O    |         |         |         |
3+40       1.6527      1.73  |     O   |         |         |         |
3+45       1.7986      1.85  |     O   |         |         |         |
3+50       1.9387      2.00  |      O  |         |         |         |
3+55       2.0661      2.11  |      O  |         |         |         |
4+ 0       2.2010      2.26  |       O |         |         |         |
4+ 5       2.3271      2.38  |       O |         |         |         |
4+10       2.5066      2.60  |        O|         |         |         |
4+15       2.7465      2.85  |         O         |         |         |
4+20       3.0023      3.11  |         |O        |         |         |
4+25       3.2621      3.37  |         | O       |         |         |
4+30       3.4785      3.56  |         | OI      |         |         |
4+35       3.6257      3.68  |         |  O      |         |         |
4+40       3.8104      3.91  |         |   O     |         |         |
4+45       4.0516      4.16  |         |   OI    |         |         |
4+50       4.2629      4.34  |         |    OI   |         |         |
4+55       4.4089      4.46  |         |     O   |         |         |
5+ 0       4.5935      4.69  |         |     OI  |         |         |
5+ 5       5.0130      5.24  |         |       OI|         |         |
5+10       5.9023      6.38  |         |         |O I      |         |
5+15       7.0117      7.49  |         |         |    O I  |         |
5+20       7.9742      8.35  |         |         |       OI|         |
5+25       8.9939      9.30  |         |         |         | O I     |
5+30      10.1846     10.83  |         |         |         |      O  I
5+35      10.0227      9.52  |         |         |         |     I O  |
5+40       6.1725      3.82  |         |   I     | O       |         |
5+45       2.3630      1.16  |   I   O |         |         |         |
5+50       0.7711      0.40  |IO       |         |         |         |
5+55       0.2768      0.16  IO        |         |         |         |
6+ 0       0.1205      0.08  O         |         |         |         |
6+ 5       0.0619      0.04  O         |         |         |         |
6+10       0.0247      0.01  O         |         |         |         |
6+15       0.0062      0.00  O         |         |         |         |
6+20       0.0014      0.00  O         |         |         |         |
6+25       0.0000      0.00  O         |         |         |         |
```

**********HYDROGRAPH DATA**********

Number of intervals = 77
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 10.185 (CFS)
Total volume = 0.924 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	99.186	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	5.218	0.000	0.000	0.000

****

++

Process from Point/Station 4.200 to Point/Station 4.200

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 2 the total
volume of 5.22 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

++

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

```
Time(h+m) Add q(CFS)  Tot. Q   0       26.3      52.7      79.0      105.4
-------------------------------------------------------------------------
  0+ 5       0.0073      0.03  Q         |         |         |         |
  0+10       0.0443      0.13  Q         |         |         |         |
  0+15       0.1161      0.25  Q         |         |         |         |
  0+20       0.2047      0.36  Q         |         |         |         |
  0+25       0.2989      0.45  Q         |         |         |         |
  0+30       0.3709      0.53  Q         |         |         |         |
  0+35       0.4291      0.60  Q         |         |         |         |
  0+40       0.4917      0.67  Q         |         |         |         |
  0+45       0.5396      0.72  Q         |         |         |         |
  0+50       0.5816      0.76  Q         |         |         |         |
  0+55       0.6237      0.81  Q         |         |         |         |
  1+ 0       0.6666      0.86  Q         |         |         |         |
  1+ 5       0.7102      0.92  Q         |         |         |         |
  1+10       0.7456      0.96  Q         |         |         |         |
  1+15       0.7779      1.00  Q         |         |         |         |
  1+20       0.8105      1.03  Q         |         |         |         |
  1+25       0.8411      1.06  Q         |         |         |         |
  1+30       0.8695      1.09  Q         |         |         |         |
  1+35       0.8976      1.12  Q         |         |         |         |
  1+40       0.9231      1.15  Q         |         |         |         |
  1+45       0.9480      1.17  Q         |         |         |         |
  1+50       0.9722      1.19  Q         |         |         |         |
  1+55       0.9963      1.22  Q         |         |         |         |
  2+ 0       1.0208      1.29  Q         |         |         |         |
```

2+ 5	1.0447	1.38	Q					
2+10	1.0645	1.41	Q					
2+15	1.0846	1.48	Q					
2+20	1.1054	1.57	Q					
2+25	1.1266	1.60	Q					
2+30	1.1457	1.63	Q					
2+35	1.1614	1.64	Q					
2+40	1.1771	1.66	Q					
2+45	1.1930	1.72	Q					
2+50	1.2098	1.85	Q					
2+55	1.2286	1.95	Q					
3+ 0	1.2475	1.99	Q					
3+ 5	1.2662	2.01	Q					
3+10	1.2851	2.07	Q					
3+15	1.3088	2.21	Q					
3+20	1.3353	2.31	Q					
3+25	1.3623	2.41	Q					
3+30	1.3903	2.60	Q					
3+35	1.4147	2.86	qQ					
3+40	1.4349	3.09	qQ					
3+45	1.4562	3.25	qQ					
3+50	1.4779	3.42	qQ					
3+55	1.4967	3.56	qQ					
4+ 0	1.5162	3.72	qQ					
4+ 5	1.5363	3.86	qQ					
4+10	1.5557	4.06	qQ					
4+15	1.5768	4.32	qQ					
4+20	1.5992	4.60	qQ					
4+25	1.6199	4.88	qQ					
4+30	1.6397	5.12	qQ					
4+35	1.6602	5.29	q Q					
4+40	1.6815	5.49	q Q					
4+45	1.7057	5.76	q Q					
4+50	1.7312	5.99	q Q					
4+55	1.7589	6.17	q Q					
5+ 0	1.7844	6.38	q Q					
5+ 5	4.3465	9.36	q Q					
5+10	10.7923	16.69	q Q					
5+15	17.8376	24.85	q Q					
5+20	24.0360	32.01	q Q					
5+25	35.3828	44.28	q Q					
5+30	60.4641	70.65	q Q					
5+35	85.6683	95.69	q Q					
5+40	99.1858	105.36	q Q					
5+45	99.1394	101.50	qQ					
5+50	93.1147	93.89	Q					
5+55	85.3005	85.58	Q					
6+ 0	77.1763	77.30	Q					
6+ 5	0.0000	0.06	Q					
6+10	0.0000	0.02	Q					
6+15	0.0000	0.01	Q					
6+20	0.0000	0.00	Q					
6+25	0.0000	0.00	Q					
6+30	0.0000	0.00	Q					
6+35	0.0000	0.00	Q					
6+40	0.0000	0.00	Q					
6+45	0.0000	0.00	Q					
6+50	0.0000	0.00	Q					
6+55	0.0000	0.00	Q					
7+ 0	0.0000	0.00	Q					
7+ 5	0.0000	0.00	Q					
7+10	0.0000	0.00	Q					
7+15	0.0000	0.00	Q					
7+20	0.0000	0.00	Q					
7+25	0.0000	0.00	Q					
7+30	0.0000	0.00	Q					
7+35	0.0000	0.00	Q					
7+40	0.0000	0.00	Q					
7+45	0.0000	0.00	Q					
7+50	0.0000	0.00	Q					
7+55	0.0000	0.00	Q					
8+ 0	0.0000	0.00	Q					
8+ 5	0.0000	0.00	Q					
8+10	0.0000	0.00	Q					
8+15	0.0000	0.00	Q					
8+20	0.0000	0.00	Q					
8+25	0.0000	0.00	Q					
8+30	0.0000	0.00	Q					
8+35	0.0000	0.00	Q					
8+40	0.0000	0.00	Q					
8+45	0.0000	0.00	Q					
8+50	0.0000	0.00	Q					
8+55	0.0000	0.00	Q					
9+ 0	0.0000	0.00	Q					
9+ 5	0.0000	0.00	Q					
9+10	0.0000	0.00	Q					
9+15	0.0000	0.00	Q					
9+20	0.0000	0.00	Q					
9+25	0.0000	0.00	Q					
9+30	0.0000	0.00	Q					
9+35	0.0000	0.00	Q					
9+40	0.0000	0.00	Q					
9+45	0.0000	0.00	Q					
9+50	0.0000	0.00	Q					
9+55	0.0000	0.00	Q					
10+ 0	0.0000	0.00	Q					
10+ 5	0.0000	0.00	Q					
10+10	0.0000	0.00	Q					
10+15	0.0000	0.00	Q					
10+20	0.0000	0.00	Q					
10+25	0.0000	0.00	Q					
10+30	0.0000	0.00	Q					
10+35	0.0000	0.00	Q					
10+40	0.0000	0.00	Q					
10+45	0.0000	0.00	Q					
10+50	0.0000	0.00	Q					
10+55	0.0000	0.00	Q					
11+ 0	0.0000	0.00	Q					
11+ 5	0.0000	0.00	Q					
11+10	0.0000	0.00	Q					
11+15	0.0000	0.00	Q					
11+20	0.0000	0.00	Q					
11+25	0.0000	0.00	Q					
11+30	0.0000	0.00	Q					
11+35	0.0000	0.00	Q					
11+40	0.0000	0.00	Q					
11+45	0.0000	0.00	Q					
11+50	0.0000	0.00	Q					
11+55	0.0000	0.00	Q					
12+ 0	0.0000	0.00	Q					
12+ 5	0.0000	0.00	Q					
12+10	0.0000	0.00	Q					
12+15	0.0000	0.00	Q					
12+20	0.0000	0.00	Q					

12+25	0.0000	0.00	Q					17+35	0.0000	0.00	Q				
12+30	0.0000	0.00	Q					17+40	0.0000	0.00	Q				
12+35	0.0000	0.00	Q					17+45	0.0000	0.00	Q				
12+40	0.0000	0.00	Q					17+50	0.0000	0.00	Q				
12+45	0.0000	0.00	Q					17+55	0.0000	0.00	Q				
12+50	0.0000	0.00	Q					18+ 0	0.0000	0.00	Q				
12+55	0.0000	0.00	Q					18+ 5	0.0000	0.00	Q				
13+ 0	0.0000	0.00	Q					18+10	0.0000	0.00	Q				
13+ 5	0.0000	0.00	Q					18+15	0.0000	0.00	Q				
13+10	0.0000	0.00	Q					18+20	0.0000	0.00	Q				
13+15	0.0000	0.00	Q					18+25	0.0000	0.00	Q				
13+20	0.0000	0.00	Q					18+30	0.0000	0.00	Q				
13+25	0.0000	0.00	Q					18+35	0.0000	0.00	Q				
13+30	0.0000	0.00	Q					18+40	0.0000	0.00	Q				
13+35	0.0000	0.00	Q					18+45	0.0000	0.00	Q				
13+40	0.0000	0.00	Q					18+50	0.0000	0.00	Q				
13+45	0.0000	0.00	Q					18+55	0.0000	0.00	Q				
13+50	0.0000	0.00	Q					19+ 0	0.0000	0.00	Q				
13+55	0.0000	0.00	Q					19+ 5	0.0000	0.00	Q				
14+ 0	0.0000	0.00	Q					19+10	0.0000	0.00	Q				
14+ 5	0.0000	0.00	Q					19+15	0.0000	0.00	Q				
14+10	0.0000	0.00	Q					19+20	0.0000	0.00	Q				
14+15	0.0000	0.00	Q					19+25	0.0000	0.00	Q				
14+20	0.0000	0.00	Q					19+30	0.0000	0.00	Q				
14+25	0.0000	0.00	Q					19+35	0.0000	0.00	Q				
14+30	0.0000	0.00	Q					19+40	0.0000	0.00	Q				
14+35	0.0000	0.00	Q					19+45	0.0000	0.00	Q				
14+40	0.0000	0.00	Q					19+50	0.0000	0.00	Q				
14+45	0.0000	0.00	Q					19+55	0.0000	0.00	Q				
14+50	0.0000	0.00	Q					20+ 0	0.0000	0.00	Q				
14+55	0.0000	0.00	Q					20+ 5	0.0000	0.00	Q				
15+ 0	0.0000	0.00	Q					20+10	0.0000	0.00	Q				
15+ 5	0.0000	0.00	Q					20+15	0.0000	0.00	Q				
15+10	0.0000	0.00	Q					20+20	0.0000	0.00	Q				
15+15	0.0000	0.00	Q					20+25	0.0000	0.00	Q				
15+20	0.0000	0.00	Q					20+30	0.0000	0.00	Q				
15+25	0.0000	0.00	Q					20+35	0.0000	0.00	Q				
15+30	0.0000	0.00	Q					20+40	0.0000	0.00	Q				
15+35	0.0000	0.00	Q					20+45	0.0000	0.00	Q				
15+40	0.0000	0.00	Q					20+50	0.0000	0.00	Q				
15+45	0.0000	0.00	Q					20+55	0.0000	0.00	Q				
15+50	0.0000	0.00	Q					21+ 0	0.0000	0.00	Q				
15+55	0.0000	0.00	Q					21+ 5	0.0000	0.00	Q				
16+ 0	0.0000	0.00	Q					21+10	0.0000	0.00	Q				
16+ 5	0.0000	0.00	Q					21+15	0.0000	0.00	Q				
16+10	0.0000	0.00	Q					21+20	0.0000	0.00	Q				
16+15	0.0000	0.00	Q					21+25	0.0000	0.00	Q				
16+20	0.0000	0.00	Q					21+30	0.0000	0.00	Q				
16+25	0.0000	0.00	Q					21+35	0.0000	0.00	Q				
16+30	0.0000	0.00	Q					21+40	0.0000	0.00	Q				
16+35	0.0000	0.00	Q					21+45	0.0000	0.00	Q				
16+40	0.0000	0.00	Q					21+50	0.0000	0.00	Q				
16+45	0.0000	0.00	Q					21+55	0.0000	0.00	Q				
16+50	0.0000	0.00	Q					22+ 0	0.0000	0.00	Q				
16+55	0.0000	0.00	Q					22+ 5	0.0000	0.00	Q				
17+ 0	0.0000	0.00	Q					22+10	0.0000	0.00	Q				
17+ 5	0.0000	0.00	Q					22+15	0.0000	0.00	Q				
17+10	0.0000	0.00	Q					22+20	0.0000	0.00	Q				
17+15	0.0000	0.00	Q					22+25	0.0000	0.00	Q				
17+20	0.0000	0.00	Q					22+30	0.0000	0.00	Q				
17+25	0.0000	0.00	Q					22+35	0.0000	0.00	Q				
17+30	0.0000	0.00	Q					22+40	0.0000	0.00	Q				

22+45	0.0000	0.00	Q					27+55	0.0000	0.00	Q				
22+50	0.0000	0.00	Q					28+ 0	0.0000	0.00	Q				
22+55	0.0000	0.00	Q					28+ 5	0.0000	0.00	Q				
23+ 0	0.0000	0.00	Q					28+10	0.0000	0.00	Q				
23+ 5	0.0000	0.00	Q					28+15	0.0000	0.00	Q				
23+10	0.0000	0.00	Q					28+20	0.0000	0.00	Q				
23+15	0.0000	0.00	Q					28+25	0.0000	0.00	Q				
23+20	0.0000	0.00	Q					28+30	0.0000	0.00	Q				
23+25	0.0000	0.00	Q					28+35	0.0000	0.00	Q				
23+30	0.0000	0.00	Q					28+40	0.0000	0.00	Q				
23+35	0.0000	0.00	Q					28+45	0.0000	0.00	Q				
23+40	0.0000	0.00	Q					28+50	0.0000	0.00	Q				
23+45	0.0000	0.00	Q					28+55	0.0000	0.00	Q				
23+50	0.0000	0.00	Q					29+ 0	0.0000	0.00	Q				
23+55	0.0000	0.00	Q					29+ 5	0.0000	0.00	Q				
24+ 0	0.0000	0.00	Q					29+10	0.0000	0.00	Q				
24+ 5	0.0000	0.00	Q					29+15	0.0000	0.00	Q				
24+10	0.0000	0.00	Q					29+20	0.0000	0.00	Q				
24+15	0.0000	0.00	Q					29+25	0.0000	0.00	Q				
24+20	0.0000	0.00	Q					29+30	0.0000	0.00	Q				
24+25	0.0000	0.00	Q					29+35	0.0000	0.00	Q				
24+30	0.0000	0.00	Q					29+40	0.0000	0.00	Q				
24+35	0.0000	0.00	Q					29+45	0.0000	0.00	Q				
24+40	0.0000	0.00	Q					29+50	0.0000	0.00	Q				
24+45	0.0000	0.00	Q					29+55	0.0000	0.00	Q				
24+50	0.0000	0.00	Q					30+ 0	0.0000	0.00	Q				
24+55	0.0000	0.00	Q					30+ 5	0.0000	0.00	Q				
25+ 0	0.0000	0.00	Q					30+10	0.0000	0.00	Q				
25+ 5	0.0000	0.00	Q					30+15	0.0000	0.00	Q				
25+10	0.0000	0.00	Q					30+20	0.0000	0.00	Q				
25+15	0.0000	0.00	Q					30+25	0.0000	0.00	Q				
25+20	0.0000	0.00	Q					30+30	0.0000	0.00	Q				
25+25	0.0000	0.00	Q					30+35	0.0000	0.00	Q				
25+30	0.0000	0.00	Q					30+40	0.0000	0.00	Q				
25+35	0.0000	0.00	Q					30+45	0.0000	0.00	Q				
25+40	0.0000	0.00	Q					30+50	0.0000	0.00	Q				
25+45	0.0000	0.00	Q					30+55	0.0000	0.00	Q				
25+50	0.0000	0.00	Q					31+ 0	0.0000	0.00	Q				
25+55	0.0000	0.00	Q					31+ 5	0.0000	0.00	Q				
26+ 0	0.0000	0.00	Q					31+10	0.0000	0.00	Q				
26+ 5	0.0000	0.00	Q					31+15	0.0000	0.00	Q				
26+10	0.0000	0.00	Q					31+20	0.0000	0.00	Q				
26+15	0.0000	0.00	Q					31+25	0.0000	0.00	Q				
26+20	0.0000	0.00	Q					31+30	0.0000	0.00	Q				
26+25	0.0000	0.00	Q					31+35	0.0000	0.00	Q				
26+30	0.0000	0.00	Q					31+40	0.0000	0.00	Q				
26+35	0.0000	0.00	Q					31+45	0.0000	0.00	Q				
26+40	0.0000	0.00	Q					31+50	0.0000	0.00	Q				
26+45	0.0000	0.00	Q					31+55	0.0000	0.00	Q				
26+50	0.0000	0.00	Q					32+ 0	0.0000	0.00	Q				
26+55	0.0000	0.00	Q					32+ 5	0.0000	0.00	Q				
27+ 0	0.0000	0.00	Q					32+10	0.0000	0.00	Q				
27+ 5	0.0000	0.00	Q					32+15	0.0000	0.00	Q				
27+10	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+50	0.0000	0.00	Q				
27+45	0.0000	0.00	Q					32+55	0.0000	0.00	Q				
27+50	0.0000	0.00	Q					33+ 0	0.0000	0.00	Q				

33+ 5	0.0000	0.00	Q					38+15	0.0000	0.00	Q				
33+10	0.0000	0.00	Q					38+20	0.0000	0.00	Q				
33+15	0.0000	0.00	Q					38+25	0.0000	0.00	Q				
33+20	0.0000	0.00	Q					38+30	0.0000	0.00	Q				
33+25	0.0000	0.00	Q					38+35	0.0000	0.00	Q				
33+30	0.0000	0.00	Q					38+40	0.0000	0.00	Q				
33+35	0.0000	0.00	Q					38+45	0.0000	0.00	Q				
33+40	0.0000	0.00	Q					38+50	0.0000	0.00	Q				
33+45	0.0000	0.00	Q					38+55	0.0000	0.00	Q				
33+50	0.0000	0.00	Q					39+ 0	0.0000	0.00	Q				
33+55	0.0000	0.00	Q					39+ 5	0.0000	0.00	Q				
34+ 0	0.0000	0.00	Q					39+10	0.0000	0.00	Q				
34+ 5	0.0000	0.00	Q					39+15	0.0000	0.00	Q				
34+10	0.0000	0.00	Q					39+20	0.0000	0.00	Q				
34+15	0.0000	0.00	Q					39+25	0.0000	0.00	Q				
34+20	0.0000	0.00	Q					39+30	0.0000	0.00	Q				
34+25	0.0000	0.00	Q					39+35	0.0000	0.00	Q				
34+30	0.0000	0.00	Q					39+40	0.0000	0.00	Q				
34+35	0.0000	0.00	Q					39+45	0.0000	0.00	Q				
34+40	0.0000	0.00	Q					39+50	0.0000	0.00	Q				
34+45	0.0000	0.00	Q					39+55	0.0000	0.00	Q				
34+50	0.0000	0.00	Q					40+ 0	0.0000	0.00	Q				
34+55	0.0000	0.00	Q					40+ 5	0.0000	0.00	Q				
35+ 0	0.0000	0.00	Q					40+10	0.0000	0.00	Q				
35+ 5	0.0000	0.00	Q					40+15	0.0000	0.00	Q				
35+10	0.0000	0.00	Q					40+20	0.0000	0.00	Q				
35+15	0.0000	0.00	Q					40+25	0.0000	0.00	Q				
35+20	0.0000	0.00	Q					40+30	0.0000	0.00	Q				
35+25	0.0000	0.00	Q					40+35	0.0000	0.00	Q				
35+30	0.0000	0.00	Q					40+40	0.0000	0.00	Q				
35+35	0.0000	0.00	Q					40+45	0.0000	0.00	Q				
35+40	0.0000	0.00	Q					40+50	0.0000	0.00	Q				
35+45	0.0000	0.00	Q					40+55	0.0000	0.00	Q				
35+50	0.0000	0.00	Q					41+ 0	0.0000	0.00	Q				
35+55	0.0000	0.00	Q					41+ 5	0.0000	0.00	Q				
36+ 0	0.0000	0.00	Q					41+10	0.0000	0.00	Q				
36+ 5	0.0000	0.00	Q					41+15	0.0000	0.00	Q				
36+10	0.0000	0.00	Q					41+20	0.0000	0.00	Q				
36+15	0.0000	0.00	Q					41+25	0.0000	0.00	Q				
36+20	0.0000	0.00	Q					41+30	0.0000	0.00	Q				
36+25	0.0000	0.00	Q					41+35	0.0000	0.00	Q				
36+30	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+35	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+20	0.0000	0.00	Q				

43+25	0.0000	0.00	Q					48+35	0.0000	0.00	Q				
43+30	0.0000	0.00	Q					48+40	0.0000	0.00	Q				
43+35	0.0000	0.00	Q					48+45	0.0000	0.00	Q				
43+40	0.0000	0.00	Q					48+50	0.0000	0.00	Q				
43+45	0.0000	0.00	Q					48+55	0.0000	0.00	Q				
43+50	0.0000	0.00	Q					49+ 0	0.0000	0.00	Q				
43+55	0.0000	0.00	Q					49+ 5	0.0000	0.00	Q				
44+ 0	0.0000	0.00	Q					49+10	0.0000	0.00	Q				
44+ 5	0.0000	0.00	Q					49+15	0.0000	0.00	Q				
44+10	0.0000	0.00	Q					49+20	0.0000	0.00	Q				
44+15	0.0000	0.00	Q					49+25	0.0000	0.00	Q				
44+20	0.0000	0.00	Q					49+30	0.0000	0.00	Q				
44+25	0.0000	0.00	Q					49+35	0.0000	0.00	Q				
44+30	0.0000	0.00	Q					49+40	0.0000	0.00	Q				
44+35	0.0000	0.00	Q					49+45	0.0000	0.00	Q				
44+40	0.0000	0.00	Q					49+50	0.0000	0.00	Q				
44+45	0.0000	0.00	Q					49+55	0.0000	0.00	Q				
44+50	0.0000	0.00	Q					50+ 0	0.0000	0.00	Q				
44+55	0.0000	0.00	Q					50+ 5	0.0000	0.00	Q				
45+ 0	0.0000	0.00	Q					50+10	0.0000	0.00	Q				
45+ 5	0.0000	0.00	Q					50+15	0.0000	0.00	Q				
45+10	0.0000	0.00	Q					50+20	0.0000	0.00	Q				
45+15	0.0000	0.00	Q					50+25	0.0000	0.00	Q				
45+20	0.0000	0.00	Q					50+30	0.0000	0.00	Q				
45+25	0.0000	0.00	Q					50+35	0.0000	0.00	Q				
45+30	0.0000	0.00	Q					50+40	0.0000	0.00	Q				
45+35	0.0000	0.00	Q					50+45	0.0000	0.00	Q				
45+40	0.0000	0.00	Q					50+50	0.0000	0.00	Q				
45+45	0.0000	0.00	Q					50+55	0.0000	0.00	Q				
45+50	0.0000	0.00	Q					51+ 0	0.0000	0.00	Q				
45+55	0.0000	0.00	Q					51+ 5	0.0000	0.00	Q				
46+ 0	0.0000	0.00	Q					51+10	0.0000	0.00	Q				
46+ 5	0.0000	0.00	Q					51+15	0.0000	0.00	Q				
46+10	0.0000	0.00	Q					51+20	0.0000	0.00	Q				
46+15	0.0000	0.00	Q					51+25	0.0000	0.00	Q				
46+20	0.0000	0.00	Q					51+30	0.0000	0.00	Q				
46+25	0.0000	0.00	Q					51+35	0.0000	0.00	Q				
46+30	0.0000	0.00	Q					51+40	0.0000	0.00	Q				
46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+30	0.0000	0.00	Q				
48+25	0.0000	0.00	Q					53+35	0.0000	0.00	Q				
48+30	0.0000	0.00	Q					53+40	0.0000	0.00	Q				

53+45	0.0000	0.00	Q					58+55	0.0000	0.00	Q				
53+50	0.0000	0.00	Q					59+ 0	0.0000	0.00	Q				
53+55	0.0000	0.00	Q					59+ 5	0.0000	0.00	Q				
54+ 0	0.0000	0.00	Q					59+10	0.0000	0.00	Q				
54+ 5	0.0000	0.00	Q					59+15	0.0000	0.00	Q				
54+10	0.0000	0.00	Q					59+20	0.0000	0.00	Q				
54+15	0.0000	0.00	Q					59+25	0.0000	0.00	Q				
54+20	0.0000	0.00	Q					59+30	0.0000	0.00	Q				
54+25	0.0000	0.00	Q					59+35	0.0000	0.00	Q				
54+30	0.0000	0.00	Q					59+40	0.0000	0.00	Q				
54+35	0.0000	0.00	Q					59+45	0.0000	0.00	Q				
54+40	0.0000	0.00	Q					59+50	0.0000	0.00	Q				
54+45	0.0000	0.00	Q					59+55	0.0000	0.00	Q				
54+50	0.0000	0.00	Q					60+ 0	0.0000	0.00	Q				
54+55	0.0000	0.00	Q					60+ 5	0.0000	0.00	Q				
55+ 0	0.0000	0.00	Q					60+10	0.0000	0.00	Q				
55+ 5	0.0000	0.00	Q					60+15	0.0000	0.00	Q				
55+10	0.0000	0.00	Q					60+20	0.0000	0.00	Q				
55+15	0.0000	0.00	Q					60+25	0.0000	0.00	Q				
55+20	0.0000	0.00	Q					60+30	0.0000	0.00	Q				
55+25	0.0000	0.00	Q					60+35	0.0000	0.00	Q				
55+30	0.0000	0.00	Q					60+40	0.0000	0.00	Q				
55+35	0.0000	0.00	Q					60+45	0.0000	0.00	Q				
55+40	0.0000	0.00	Q					60+50	0.0000	0.00	Q				
55+45	0.0000	0.00	Q					60+55	0.0000	0.00	Q				
55+50	0.0000	0.00	Q					61+ 0	0.0000	0.00	Q				
55+55	0.0000	0.00	Q					61+ 5	0.0000	0.00	Q				
56+ 0	0.0000	0.00	Q					61+10	0.0000	0.00	Q				
56+ 5	0.0000	0.00	Q					61+15	0.0000	0.00	Q				
56+10	0.0000	0.00	Q					61+20	0.0000	0.00	Q				
56+15	0.0000	0.00	Q					61+25	0.0000	0.00	Q				
56+20	0.0000	0.00	Q					61+30	0.0000	0.00	Q				
56+25	0.0000	0.00	Q					61+35	0.0000	0.00	Q				
56+30	0.0000	0.00	Q					61+40	0.0000	0.00	Q				
56+35	0.0000	0.00	Q					61+45	0.0000	0.00	Q				
56+40	0.0000	0.00	Q					61+50	0.0000	0.00	Q				
56+45	0.0000	0.00	Q					61+55	0.0000	0.00	Q				
56+50	0.0000	0.00	Q					62+ 0	0.0000	0.00	Q				
56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				

64+ 5	0.0000	0.00	Q					69+15	0.0000	0.00	Q				
64+10	0.0000	0.00	Q					69+20	0.0000	0.00	Q				
64+15	0.0000	0.00	Q					69+25	0.0000	0.00	Q				
64+20	0.0000	0.00	Q					69+30	0.0000	0.00	Q				
64+25	0.0000	0.00	Q					69+35	0.0000	0.00	Q				
64+30	0.0000	0.00	Q					69+40	0.0000	0.00	Q				
64+35	0.0000	0.00	Q					69+45	0.0000	0.00	Q				
64+40	0.0000	0.00	Q					69+50	0.0000	0.00	Q				
64+45	0.0000	0.00	Q					69+55	0.0000	0.00	Q				
64+50	0.0000	0.00	Q					70+ 0	0.0000	0.00	Q				
64+55	0.0000	0.00	Q					70+ 5	0.0000	0.00	Q				
65+ 0	0.0000	0.00	Q					70+10	0.0000	0.00	Q				
65+ 5	0.0000	0.00	Q					70+15	0.0000	0.00	Q				
65+10	0.0000	0.00	Q					70+20	0.0000	0.00	Q				
65+15	0.0000	0.00	Q					70+25	0.0000	0.00	Q				
65+20	0.0000	0.00	Q					70+30	0.0000	0.00	Q				
65+25	0.0000	0.00	Q					70+35	0.0000	0.00	Q				
65+30	0.0000	0.00	Q					70+40	0.0000	0.00	Q				
65+35	0.0000	0.00	Q					70+45	0.0000	0.00	Q				
65+40	0.0000	0.00	Q					70+50	0.0000	0.00	Q				
65+45	0.0000	0.00	Q					70+55	0.0000	0.00	Q				
65+50	0.0000	0.00	Q					71+ 0	0.0000	0.00	Q				
65+55	0.0000	0.00	Q					71+ 5	0.0000	0.00	Q				
66+ 0	0.0000	0.00	Q					71+10	0.0000	0.00	Q				
66+ 5	0.0000	0.00	Q					71+15	0.0000	0.00	Q				
66+10	0.0000	0.00	Q					71+20	0.0000	0.00	Q				
66+15	0.0000	0.00	Q					71+25	0.0000	0.00	Q				
66+20	0.0000	0.00	Q					71+30	0.0000	0.00	Q				
66+25	0.0000	0.00	Q					71+35	0.0000	0.00	Q				
66+30	0.0000	0.00	Q					71+40	0.0000	0.00	Q				
66+35	0.0000	0.00	Q					71+45	0.0000	0.00	Q				
66+40	0.0000	0.00	Q					71+50	0.0000	0.00	Q				
66+45	0.0000	0.00	Q					71+55	0.0000	0.00	Q				
66+50	0.0000	0.00	Q					72+ 0	0.0000	0.00	Q				
66+55	0.0000	0.00	Q					72+ 5	0.0000	0.00	Q				
67+ 0	0.0000	0.00	Q					72+10	0.0000	0.00	Q				
67+ 5	0.0000	0.00	Q					72+15	0.0000	0.00	Q				
67+10	0.0000	0.00	Q					72+20	0.0000	0.00	Q				
67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+10	0.0000	0.00	Q				
69+ 5	0.0000	0.00	Q					74+15	0.0000	0.00	Q				
69+10	0.0000	0.00	Q					74+20	0.0000	0.00	Q				

74+25	0.0000	0.00	Q					79+35	0.0000	0.00	Q				
74+30	0.0000	0.00	Q					79+40	0.0000	0.00	Q				
74+35	0.0000	0.00	Q					79+45	0.0000	0.00	Q				
74+40	0.0000	0.00	Q					79+50	0.0000	0.00	Q				
74+45	0.0000	0.00	Q					79+55	0.0000	0.00	Q				
74+50	0.0000	0.00	Q					80+ 0	0.0000	0.00	Q				
74+55	0.0000	0.00	Q					80+ 5	0.0000	0.00	Q				
75+ 0	0.0000	0.00	Q					80+10	0.0000	0.00	Q				
75+ 5	0.0000	0.00	Q					80+15	0.0000	0.00	Q				
75+10	0.0000	0.00	Q					80+20	0.0000	0.00	Q				
75+15	0.0000	0.00	Q					80+25	0.0000	0.00	Q				
75+20	0.0000	0.00	Q					80+30	0.0000	0.00	Q				
75+25	0.0000	0.00	Q					80+35	0.0000	0.00	Q				
75+30	0.0000	0.00	Q					80+40	0.0000	0.00	Q				
75+35	0.0000	0.00	Q					80+45	0.0000	0.00	Q				
75+40	0.0000	0.00	Q					80+50	0.0000	0.00	Q				
75+45	0.0000	0.00	Q					80+55	0.0000	0.00	Q				
75+50	0.0000	0.00	Q					81+ 0	0.0000	0.00	Q				
75+55	0.0000	0.00	Q					81+ 5	0.0000	0.00	Q				
76+ 0	0.0000	0.00	Q					81+10	0.0000	0.00	Q				
76+ 5	0.0000	0.00	Q					81+15	0.0000	0.00	Q				
76+10	0.0000	0.00	Q					81+20	0.0000	0.00	Q				
76+15	0.0000	0.00	Q					81+25	0.0000	0.00	Q				
76+20	0.0000	0.00	Q					81+30	0.0000	0.00	Q				
76+25	0.0000	0.00	Q					81+35	0.0000	0.00	Q				
76+30	0.0000	0.00	Q					81+40	0.0000	0.00	Q				
76+35	0.0000	0.00	Q					81+45	0.0000	0.00	Q				
76+40	0.0000	0.00	Q					81+50	0.0000	0.00	Q				
76+45	0.0000	0.00	Q					81+55	0.0000	0.00	Q				
76+50	0.0000	0.00	Q					82+ 0	0.0000	0.00	Q				
76+55	0.0000	0.00	Q					82+ 5	0.0000	0.00	Q				
77+ 0	0.0000	0.00	Q					82+10	0.0000	0.00	Q				
77+ 5	0.0000	0.00	Q					82+15	0.0000	0.00	Q				
77+10	0.0000	0.00	Q					82+20	0.0000	0.00	Q				
77+15	0.0000	0.00	Q					82+25	0.0000	0.00	Q				
77+20	0.0000	0.00	Q					82+30	0.0000	0.00	Q				
77+25	0.0000	0.00	Q					82+35	0.0000	0.00	Q				
77+30	0.0000	0.00	Q					82+40	0.0000	0.00	Q				
77+35	0.0000	0.00	Q					82+45	0.0000	0.00	Q				
77+40	0.0000	0.00	Q					82+50	0.0000	0.00	Q				
77+45	0.0000	0.00	Q					82+55	0.0000	0.00	Q				
77+50	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q				
77+55	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q				
78+ 0	0.0000	0.00	Q					83+10	0.0000	0.00	Q				
78+ 5	0.0000	0.00	Q					83+15	0.0000	0.00	Q				
78+10	0.0000	0.00	Q					83+20	0.0000	0.00	Q				
78+15	0.0000	0.00	Q					83+25	0.0000	0.00	Q				
78+20	0.0000	0.00	Q					83+30	0.0000	0.00	Q				
78+25	0.0000	0.00	Q					83+35	0.0000	0.00	Q				
78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				
79+25	0.0000	0.00	Q					84+35	0.0000	0.00	Q				
79+30	0.0000	0.00	Q					84+40	0.0000	0.00	Q				

84+45	0.0000	0.00	Q					89+55	0.0000	0.00	Q				
84+50	0.0000	0.00	Q					90+ 0	0.0000	0.00	Q				
84+55	0.0000	0.00	Q					90+ 5	0.0000	0.00	Q				
85+ 0	0.0000	0.00	Q					90+10	0.0000	0.00	Q				
85+ 5	0.0000	0.00	Q					90+15	0.0000	0.00	Q				
85+10	0.0000	0.00	Q					90+20	0.0000	0.00	Q				
85+15	0.0000	0.00	Q					90+25	0.0000	0.00	Q				
85+20	0.0000	0.00	Q					90+30	0.0000	0.00	Q				
85+25	0.0000	0.00	Q					90+35	0.0000	0.00	Q				
85+30	0.0000	0.00	Q					90+40	0.0000	0.00	Q				
85+35	0.0000	0.00	Q					90+45	0.0000	0.00	Q				
85+40	0.0000	0.00	Q					90+50	0.0000	0.00	Q				
85+45	0.0000	0.00	Q					90+55	0.0000	0.00	Q				
85+50	0.0000	0.00	Q					91+ 0	0.0000	0.00	Q				
85+55	0.0000	0.00	Q					91+ 5	0.0000	0.00	Q				
86+ 0	0.0000	0.00	Q					91+10	0.0000	0.00	Q				
86+ 5	0.0000	0.00	Q					91+15	0.0000	0.00	Q				
86+10	0.0000	0.00	Q					91+20	0.0000	0.00	Q				
86+15	0.0000	0.00	Q					91+25	0.0000	0.00	Q				
86+20	0.0000	0.00	Q					91+30	0.0000	0.00	Q				
86+25	0.0000	0.00	Q					91+35	0.0000	0.00	Q				
86+30	0.0000	0.00	Q					91+40	0.0000	0.00	Q				
86+35	0.0000	0.00	Q					91+45	0.0000	0.00	Q				
86+40	0.0000	0.00	Q					91+50	0.0000	0.00	Q				
86+45	0.0000	0.00	Q					91+55	0.0000	0.00	Q				
86+50	0.0000	0.00	Q					92+ 0	0.0000	0.00	Q				
86+55	0.0000	0.00	Q					92+ 5	0.0000	0.00	Q				
87+ 0	0.0000	0.00	Q					92+10	0.0000	0.00	Q				
87+ 5	0.0000	0.00	Q					92+15	0.0000	0.00	Q				
87+10	0.0000	0.00	Q					92+20	0.0000	0.00	Q				
87+15	0.0000	0.00	Q					92+25	0.0000	0.00	Q				
87+20	0.0000	0.00	Q					92+30	0.0000	0.00	Q				
87+25	0.0000	0.00	Q					92+35	0.0000	0.00	Q				
87+30	0.0000	0.00	Q					92+40	0.0000	0.00	Q				
87+35	0.0000	0.00	Q					92+45	0.0000	0.00	Q				
87+40	0.0000	0.00	Q					92+50	0.0000	0.00	Q				
87+45	0.0000	0.00	Q					92+55	0.0000	0.00	Q				
87+50	0.0000	0.00	Q					93+ 0	0.0000	0.00	Q				
87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+50	0.0000	0.00	Q				
89+45	0.0000	0.00	Q					94+55	0.0000	0.00	Q				
89+50	0.0000	0.00	Q					95+ 0	0.0000	0.00	Q				

95+ 5	0.0000	0.00	Q					100+15	0.0000	0.00	Q				
95+10	0.0000	0.00	Q					100+20	0.0000	0.00	Q				
95+15	0.0000	0.00	Q					100+25	0.0000	0.00	Q				
95+20	0.0000	0.00	Q					100+30	0.0000	0.00	Q				
95+25	0.0000	0.00	Q					100+35	0.0000	0.00	Q				
95+30	0.0000	0.00	Q					100+40	0.0000	0.00	Q				
95+35	0.0000	0.00	Q					100+45	0.0000	0.00	Q				
95+40	0.0000	0.00	Q					100+50	0.0000	0.00	Q				
95+45	0.0000	0.00	Q					100+55	0.0000	0.00	Q				
95+50	0.0000	0.00	Q					101+ 0	0.0000	0.00	Q				
95+55	0.0000	0.00	Q					101+ 5	0.0000	0.00	Q				
96+ 0	0.0000	0.00	Q					101+10	0.0000	0.00	Q				
96+ 5	0.0000	0.00	Q					101+15	0.0000	0.00	Q				
96+10	0.0000	0.00	Q					101+20	0.0000	0.00	Q				
96+15	0.0000	0.00	Q					101+25	0.0000	0.00	Q				
96+20	0.0000	0.00	Q					101+30	0.0000	0.00	Q				
96+25	0.0000	0.00	Q					101+35	0.0000	0.00	Q				
96+30	0.0000	0.00	Q					101+40	0.0000	0.00	Q				
96+35	0.0000	0.00	Q					101+45	0.0000	0.00	Q				
96+40	0.0000	0.00	Q					101+50	0.0000	0.00	Q				
96+45	0.0000	0.00	Q					101+55	0.0000	0.00	Q				
96+50	0.0000	0.00	Q					102+ 0	0.0000	0.00	Q				
96+55	0.0000	0.00	Q					102+ 5	0.0000	0.00	Q				
97+ 0	0.0000	0.00	Q					102+10	0.0000	0.00	Q				
97+ 5	0.0000	0.00	Q					102+15	0.0000	0.00	Q				
97+10	0.0000	0.00	Q					102+20	0.0000	0.00	Q				
97+15	0.0000	0.00	Q					102+25	0.0000	0.00	Q				
97+20	0.0000	0.00	Q					102+30	0.0000	0.00	Q				
97+25	0.0000	0.00	Q					102+35	0.0000	0.00	Q				
97+30	0.0000	0.00	Q					102+40	0.0000	0.00	Q				
97+35	0.0000	0.00	Q					102+45	0.0000	0.00	Q				
97+40	0.0000	0.00	Q					102+50	0.0000	0.00	Q				
97+45	0.0000	0.00	Q					102+55	0.0000	0.00	Q				
97+50	0.0000	0.00	Q					103+ 0	0.0000	0.00	Q				
97+55	0.0000	0.00	Q					103+ 5	0.0000	0.00	Q				
98+ 0	0.0000	0.00	Q					103+10	0.0000	0.00	Q				
98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				

105+25	0.0000	0.00	Q					110+35	0.0000	0.00	Q				
105+30	0.0000	0.00	Q					110+40	0.0000	0.00	Q				
105+35	0.0000	0.00	Q					110+45	0.0000	0.00	Q				
105+40	0.0000	0.00	Q					110+50	0.0000	0.00	Q				
105+45	0.0000	0.00	Q					110+55	0.0000	0.00	Q				
105+50	0.0000	0.00	Q					111+ 0	0.0000	0.00	Q				
105+55	0.0000	0.00	Q					111+ 5	0.0000	0.00	Q				
106+ 0	0.0000	0.00	Q					111+10	0.0000	0.00	Q				
106+ 5	0.0000	0.00	Q					111+15	0.0000	0.00	Q				
106+10	0.0000	0.00	Q					111+20	0.0000	0.00	Q				
106+15	0.0000	0.00	Q					111+25	0.0000	0.00	Q				
106+20	0.0000	0.00	Q					111+30	0.0000	0.00	Q				
106+25	0.0000	0.00	Q					111+35	0.0000	0.00	Q				
106+30	0.0000	0.00	Q					111+40	0.0000	0.00	Q				
106+35	0.0000	0.00	Q					111+45	0.0000	0.00	Q				
106+40	0.0000	0.00	Q					111+50	0.0000	0.00	Q				
106+45	0.0000	0.00	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.00	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.00	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.00	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.00	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.00	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.00	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.00	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.00	Q					112+35	0.0000	0.00	Q				
107+30	0.0000	0.00	Q					112+40	0.0000	0.00	Q				
107+35	0.0000	0.00	Q					112+45	0.0000	0.00	Q				
107+40	0.0000	0.00	Q					112+50	0.0000	0.00	Q				
107+45	0.0000	0.00	Q					112+55	0.0000	0.00	Q				
107+50	0.0000	0.00	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.00	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.00	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.00	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.00	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.00	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.00	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				

115+45	0.0000	0.00	Q					120+55	0.0000	0.00	Q				
115+50	0.0000	0.00	Q					121+ 0	0.0000	0.00	Q				
115+55	0.0000	0.00	Q					121+ 5	0.0000	0.00	Q				
116+ 0	0.0000	0.00	Q					121+10	0.0000	0.00	Q				
116+ 5	0.0000	0.00	Q					121+15	0.0000	0.00	Q				
116+10	0.0000	0.00	Q					121+20	0.0000	0.00	Q				
116+15	0.0000	0.00	Q					121+25	0.0000	0.00	Q				
116+20	0.0000	0.00	Q					121+30	0.0000	0.00	Q				
116+25	0.0000	0.00	Q					121+35	0.0000	0.00	Q				
116+30	0.0000	0.00	Q					121+40	0.0000	0.00	Q				
116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				
116+40	0.0000	0.00	Q					121+50	0.0000	0.00	Q				
116+45	0.0000	0.00	Q					121+55	0.0000	0.00	Q				
116+50	0.0000	0.00	Q					122+ 0	0.0000	0.00	Q				
116+55	0.0000	0.00	Q					122+ 5	0.0000	0.00	Q				
117+ 0	0.0000	0.00	Q					122+10	0.0000	0.00	Q				
117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				
117+50	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
117+55	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				

126+ 5	0.0000	0.00	Q					131+15	0.0000	0.00	Q				
126+10	0.0000	0.00	Q					131+20	0.0000	0.00	Q				
126+15	0.0000	0.00	Q					131+25	0.0000	0.00	Q				
126+20	0.0000	0.00	Q					131+30	0.0000	0.00	Q				
126+25	0.0000	0.00	Q					131+35	0.0000	0.00	Q				
126+30	0.0000	0.00	Q					131+40	0.0000	0.00	Q				
126+35	0.0000	0.00	Q					131+45	0.0000	0.00	Q				
126+40	0.0000	0.00	Q					131+50	0.0000	0.00	Q				
126+45	0.0000	0.00	Q					131+55	0.0000	0.00	Q				
126+50	0.0000	0.00	Q					132+ 0	0.0000	0.00	Q				
126+55	0.0000	0.00	Q					132+ 5	0.0000	0.00	Q				
127+ 0	0.0000	0.00	Q					132+10	0.0000	0.00	Q				
127+ 5	0.0000	0.00	Q					132+15	0.0000	0.00	Q				
127+10	0.0000	0.00	Q					132+20	0.0000	0.00	Q				
127+15	0.0000	0.00	Q					132+25	0.0000	0.00	Q				
127+20	0.0000	0.00	Q					132+30	0.0000	0.00	Q				
127+25	0.0000	0.00	Q					132+35	0.0000	0.00	Q				
127+30	0.0000	0.00	Q					132+40	0.0000	0.00	Q				
127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				

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 136+25       0.0000      0.00  Q         |         |         |         |
 136+30       0.0000      0.00  Q         |         |         |         |
 136+35       0.0000      0.00  Q         |         |         |         |
 136+40       0.0000      0.00  Q         |         |         |         |
 136+45       0.0000      0.00  Q         |         |         |         |
 136+50       0.0000      0.00  Q         |         |         |         |
 136+55       0.0000      0.00  Q         |         |         |         |
 137+ 0       0.0000      0.00  Q         |         |         |         |
 137+ 5       0.0000      0.00  Q         |         |         |         |
 137+10       0.0000      0.00  Q         |         |         |         |
 137+15       0.0000      0.00  Q         |         |         |         |
 137+20       0.0000      0.00  Q         |         |         |         |
 137+25       0.0000      0.00  Q         |         |         |         |
 137+30       0.0000      0.00  Q         |         |         |         |
 137+35       0.0000      0.00  Q         |         |         |         |
 137+40       0.0000      0.00  Q         |         |         |         |
 137+45       0.0000      0.00  Q         |         |         |         |
 137+50       0.0000      0.00  Q         |         |         |         |
 137+55       0.0000      0.00  Q         |         |         |         |
 138+ 0       0.0000      0.00  Q         |         |         |         |
 138+ 5       0.0000      0.00  Q         |         |         |         |
 138+10       0.0000      0.00  Q         |         |         |         |
 138+15       0.0000      0.00  Q         |         |         |         |
 138+20       0.0000      0.00  Q         |         |         |         |
 138+25       0.0000      0.00  Q         |         |         |         |
 138+30       0.0000      0.00  Q         |         |         |         |
 138+35       0.0000      0.00  Q         |         |         |         |
 138+40       0.0000      0.00  Q         |         |         |         |
 138+45       0.0000      0.00  Q         |         |         |         |
 138+50       0.0000      0.00  Q         |         |         |         |
 138+55       0.0000      0.00  Q         |         |         |         |
 139+ 0       0.0000      0.00  Q         |         |         |         |
 139+ 5       0.0000      0.00  Q         |         |         |         |
 139+10       0.0000      0.00  Q         |         |         |         |
 139+15       0.0000      0.00  Q         |         |         |         |
 139+20       0.0000      0.00  Q         |         |         |         |
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  5003
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      105.358 (CFS)
                        Total volume =       6.143 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.500
        **** STREAM ROUTING SCS CONVEX METHOD ****

        _____________________________________________________________________
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HYDROGRAPH STREAM ROUTING DATA:
Length of stream =   3440.00 (Ft.)
Elevation difference =  109.00 (Ft.)
Slope of channel =  0.031686 (Vert/Horiz)
Channel type - Improved Channel


Channel length =  3440.00(Ft.)     Elevation difference = 109.00(Ft.)
Channel evaluation using mean flow rate of hydrograph
Channel base width  =  180.000(Ft.)
Slope or 'Z' of left channel bank =   2.000
Slope or 'Z' of right channel bank =   2.000
Manning's 'N'    = 0.030
Maximum depth of channel  =   20.000(Ft.)
Flow(q) thru subarea =     12.387(CFS)
Depth of flow =     0.054(Ft.)
Average velocity =     1.265(Ft/s)
Total flow rate =    12.387(CFS)
Channel flow top width =  180.217(Ft.)
Depth of flow in channel =   0.05(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity =    1.26(Ft/s)
Travel time  =    2.48 min.
Individual channel flow =   12.387(CFS)
Total capacity of improved channels =     12.387(CFS)
Critical Depth in Channel =    0.05(Ft.)


Channel evaluation using maximum flow rate of hydrograph
Flow(q) thru subarea =    105.358(CFS)
Depth of flow =     0.196(Ft.)
Average velocity =     2.974(Ft/s)
Total flow rate =   105.358(CFS)
Channel flow top width =  180.786(Ft.)
Depth of flow in channel =   0.20(Ft.)
Total number of channels (same dimensions) = 1
Flow Velocity =    2.97(Ft/s)
Travel time  =    2.48 min.
Individual channel flow =  105.358(CFS)
Total capacity of improved channels =    105.358(CFS)
Critical Depth in Channel =    0.22(Ft.)


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.6363   Travel time =  19.28 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   0.6051
        dt(routing time-step) =  12.27 (min.),   c* =   0.4577

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T   O F   S T O R M
              R u n o f f     H y d r o g r a p h
---------------------------------------------------------------------------
           Hydrograph in   5   Minute intervals (CFS)

---------------------------------------------------------------------------
```

Time(h+m)	Out = O(CFS)	In = I	0	26.3	52.7	79.0	105.4
0+ 5	0.0080	0.03	O				
0+10	0.0446	0.13	O				
0+15	0.1156	0.25	O				
0+20	0.2056	0.36	O				
0+25	0.3009	0.45	O				
0+30	0.3921	0.53	O				
0+35	0.4750	0.60	O				
0+40	0.5520	0.67	O				
0+45	0.6203	0.72	O				
0+50	0.6782	0.76	O				
0+55	0.7290	0.81	O				
1+ 0	0.7779	0.86	O				
1+ 5	0.8301	0.92	O				
1+10	0.8825	0.96	O				
1+15	0.9292	1.00	O				
1+20	0.9702	1.03	O				
1+25	1.0070	1.06	O				
1+30	1.0403	1.09	O				
1+35	1.0714	1.12	O				
1+40	1.1004	1.15	O				
1+45	1.1276	1.17	O				
1+50	1.1536	1.19	O				
1+55	1.1787	1.22	O				
2+ 0	1.2155	1.29	O				
2+ 5	1.2737	1.38	O				
2+10	1.3299	1.41	O				
2+15	1.3863	1.48	O				
2+20	1.4538	1.57	O				
2+25	1.5158	1.60	O				
2+30	1.5626	1.63	O				
2+35	1.5969	1.64	O				
2+40	1.6229	1.66	O				
2+45	1.6564	1.72	O				
2+50	1.7212	1.85	O				
2+55	1.8065	1.95	O				
3+ 0	1.8810	1.99	O				
3+ 5	1.9351	2.01	O				
3+10	1.9865	2.07	O				
3+15	2.0637	2.21	O				
3+20	2.1591	2.31	O				
3+25	2.2548	2.41	O				
3+30	2.3757	2.60	O				
3+35	2.5476	2.86	OI				
3+40	2.7518	3.09	|O				
3+45	2.9508	3.25	|O				
3+50	3.1338	3.42	|O				
3+55	3.3029	3.56	|O				
4+ 0	3.4637	3.72	|O				
4+ 5	3.6194	3.86	|O				
4+10	3.7850	4.06	|O				
4+15	3.9827	4.32	|O				
4+20	4.2140	4.60	|O				
4+25	4.4674	4.88	|O				
4+30	4.7212	5.12	|O				
4+35	4.9484	5.29	|OI				
4+40	5.1587	5.49	|OI				
4+45	5.3832	5.76	| O				
4+50	5.6186	5.99	| O				
4+55	5.8376	6.17	| O				
5+ 0	6.0457	6.38	| O				
5+ 5	7.0062	9.36	| OI				
5+10	10.0721	16.69	| O I				
5+15	15.3142	24.85	| O I|				
5+20	21.6200	32.01	| O | I				
5+25	29.7014	44.28	| |O I				
5+30	43.5230	70.65	| | O	I			
5+35	62.7282	95.69	| | | O | I |				
5+40	80.4363	105.36	| | | O I			
5+45	90.7975	101.50	| | | | O I |		
5+50	93.6319	93.89	| | | | O |		
5+55	91.4953	85.58	| | | | I O |		
6+ 0	86.5415	77.30	| | | I| O |		
6+ 5	61.3688	0.06	I | | O | | |		
6+10	33.2989	0.02	I | O | | |		
6+15	18.0644	0.01	I O | | | |		
6+20	9.7980	0.00	I O | | | |		
6+25	5.3138	0.00	I O | | | |		
6+30	2.8817	0.00	IO | | | |		
6+35	1.5628	0.00	O | | | |		
6+40	0.8475	0.00	O | | | |		
6+45	0.4596	0.00	O | | | |		
6+50	0.2492	0.00	O | | | |		
6+55	0.1352	0.00	O | | | |		
7+ 0	0.0733	0.00	O | | | |		
7+ 5	0.0398	0.00	O | | | |		
7+10	0.0216	0.00	O | | | |		
7+15	0.0117	0.00	O | | | |		
7+20	0.0063	0.00	O | | | |		
7+25	0.0034	0.00	O | | | |		
7+30	0.0019	0.00	O | | | |		
7+35	0.0010	0.00	O | | | |		
7+40	0.0005	0.00	O | | | |		
7+45	0.0003	0.00	O | | | |		
7+50	0.0002	0.00	O | | | |		
7+55	0.0001	0.00	O | | | |		
8+ 0	0.0000	0.00	O | | | |		
8+ 5	0.0000	0.00	O | | | |		
8+10	0.0000	0.00	O | | | |		
8+15	0.0000	0.00	O | | | |		
8+20	0.0000	0.00	O | | | |		
8+25	0.0000	0.00	O | | | |		
8+30	0.0000	0.00	O | | | |		
8+35	0.0000	0.00	O | | | |		
8+40	0.0000	0.00	O | | | |		
8+45	0.0000	0.00	O | | | |		
8+50	0.0000	0.00	O | | | |		
8+55	0.0000	0.00	O | | | |		
9+ 0	0.0000	0.00	O | | | |		
9+ 5	0.0000	0.00	O | | | |		
9+10	0.0000	0.00	O | | | |		
9+15	0.0000	0.00	O | | | |		
9+20	0.0000	0.00	O | | | |		
9+25	0.0000	0.00	O | | | |		
9+30	0.0000	0.00	O | | | |		
9+35	0.0000	0.00	O | | | |		
9+40	0.0000	0.00	O | | | |		
9+45	0.0000	0.00	O | | | |		
9+50	0.0000	0.00	O | | | |		
9+55	0.0000	0.00	O | | | |		
10+ 0	0.0000	0.00	O | | | |		
10+ 5	0.0000	0.00	O | | | |		
10+10	0.0000	0.00	O | | | |		

10+15	0.0000	0.00	O					15+25	0.0000	0.00	O				
10+20	0.0000	0.00	O					15+30	0.0000	0.00	O				
10+25	0.0000	0.00	O					15+35	0.0000	0.00	O				
10+30	0.0000	0.00	O					15+40	0.0000	0.00	O				
10+35	0.0000	0.00	O					15+45	0.0000	0.00	O				
10+40	0.0000	0.00	O					15+50	0.0000	0.00	O				
10+45	0.0000	0.00	O					15+55	0.0000	0.00	O				
10+50	0.0000	0.00	O					16+ 0	0.0000	0.00	O				
10+55	0.0000	0.00	O					16+ 5	0.0000	0.00	O				
11+ 0	0.0000	0.00	O					16+10	0.0000	0.00	O				
11+ 5	0.0000	0.00	O					16+15	0.0000	0.00	O				
11+10	0.0000	0.00	O					16+20	0.0000	0.00	O				
11+15	0.0000	0.00	O					16+25	0.0000	0.00	O				
11+20	0.0000	0.00	O					16+30	0.0000	0.00	O				
11+25	0.0000	0.00	O					16+35	0.0000	0.00	O				
11+30	0.0000	0.00	O					16+40	0.0000	0.00	O				
11+35	0.0000	0.00	O					16+45	0.0000	0.00	O				
11+40	0.0000	0.00	O					16+50	0.0000	0.00	O				
11+45	0.0000	0.00	O					16+55	0.0000	0.00	O				
11+50	0.0000	0.00	O					17+ 0	0.0000	0.00	O				
11+55	0.0000	0.00	O					17+ 5	0.0000	0.00	O				
12+ 0	0.0000	0.00	O					17+10	0.0000	0.00	O				
12+ 5	0.0000	0.00	O					17+15	0.0000	0.00	O				
12+10	0.0000	0.00	O					17+20	0.0000	0.00	O				
12+15	0.0000	0.00	O					17+25	0.0000	0.00	O				
12+20	0.0000	0.00	O					17+30	0.0000	0.00	O				
12+25	0.0000	0.00	O					17+35	0.0000	0.00	O				
12+30	0.0000	0.00	O					17+40	0.0000	0.00	O				
12+35	0.0000	0.00	O					17+45	0.0000	0.00	O				
12+40	0.0000	0.00	O					17+50	0.0000	0.00	O				
12+45	0.0000	0.00	O					17+55	0.0000	0.00	O				
12+50	0.0000	0.00	O					18+ 0	0.0000	0.00	O				
12+55	0.0000	0.00	O					18+ 5	0.0000	0.00	O				
13+ 0	0.0000	0.00	O					18+10	0.0000	0.00	O				
13+ 5	0.0000	0.00	O					18+15	0.0000	0.00	O				
13+10	0.0000	0.00	O					18+20	0.0000	0.00	O				
13+15	0.0000	0.00	O					18+25	0.0000	0.00	O				
13+20	0.0000	0.00	O					18+30	0.0000	0.00	O				
13+25	0.0000	0.00	O					18+35	0.0000	0.00	O				
13+30	0.0000	0.00	O					18+40	0.0000	0.00	O				
13+35	0.0000	0.00	O					18+45	0.0000	0.00	O				
13+40	0.0000	0.00	O					18+50	0.0000	0.00	O				
13+45	0.0000	0.00	O					18+55	0.0000	0.00	O				
13+50	0.0000	0.00	O					19+ 0	0.0000	0.00	O				
13+55	0.0000	0.00	O					19+ 5	0.0000	0.00	O				
14+ 0	0.0000	0.00	O					19+10	0.0000	0.00	O				
14+ 5	0.0000	0.00	O					19+15	0.0000	0.00	O				
14+10	0.0000	0.00	O					19+20	0.0000	0.00	O				
14+15	0.0000	0.00	O					19+25	0.0000	0.00	O				
14+20	0.0000	0.00	O					19+30	0.0000	0.00	O				
14+25	0.0000	0.00	O					19+35	0.0000	0.00	O				
14+30	0.0000	0.00	O					19+40	0.0000	0.00	O				
14+35	0.0000	0.00	O					19+45	0.0000	0.00	O				
14+40	0.0000	0.00	O					19+50	0.0000	0.00	O				
14+45	0.0000	0.00	O					19+55	0.0000	0.00	O				
14+50	0.0000	0.00	O					20+ 0	0.0000	0.00	O				
14+55	0.0000	0.00	O					20+ 5	0.0000	0.00	O				
15+ 0	0.0000	0.00	O					20+10	0.0000	0.00	O				
15+ 5	0.0000	0.00	O					20+15	0.0000	0.00	O				
15+10	0.0000	0.00	O					20+20	0.0000	0.00	O				
15+15	0.0000	0.00	O					20+25	0.0000	0.00	O				
15+20	0.0000	0.00	O					20+30	0.0000	0.00	O				

20+35	0.0000	0.00	O					25+45	0.0000	0.00	O				
20+40	0.0000	0.00	O					25+50	0.0000	0.00	O				
20+45	0.0000	0.00	O					25+55	0.0000	0.00	O				
20+50	0.0000	0.00	O					26+ 0	0.0000	0.00	O				
20+55	0.0000	0.00	O					26+ 5	0.0000	0.00	O				
21+ 0	0.0000	0.00	O					26+10	0.0000	0.00	O				
21+ 5	0.0000	0.00	O					26+15	0.0000	0.00	O				
21+10	0.0000	0.00	O					26+20	0.0000	0.00	O				
21+15	0.0000	0.00	O					26+25	0.0000	0.00	O				
21+20	0.0000	0.00	O					26+30	0.0000	0.00	O				
21+25	0.0000	0.00	O					26+35	0.0000	0.00	O				
21+30	0.0000	0.00	O					26+40	0.0000	0.00	O				
21+35	0.0000	0.00	O					26+45	0.0000	0.00	O				
21+40	0.0000	0.00	O					26+50	0.0000	0.00	O				
21+45	0.0000	0.00	O					26+55	0.0000	0.00	O				
21+50	0.0000	0.00	O					27+ 0	0.0000	0.00	O				
21+55	0.0000	0.00	O					27+ 5	0.0000	0.00	O				
22+ 0	0.0000	0.00	O					27+10	0.0000	0.00	O				
22+ 5	0.0000	0.00	O					27+15	0.0000	0.00	O				
22+10	0.0000	0.00	O					27+20	0.0000	0.00	O				
22+15	0.0000	0.00	O					27+25	0.0000	0.00	O				
22+20	0.0000	0.00	O					27+30	0.0000	0.00	O				
22+25	0.0000	0.00	O					27+35	0.0000	0.00	O				
22+30	0.0000	0.00	O					27+40	0.0000	0.00	O				
22+35	0.0000	0.00	O					27+45	0.0000	0.00	O				
22+40	0.0000	0.00	O					27+50	0.0000	0.00	O				
22+45	0.0000	0.00	O					27+55	0.0000	0.00	O				
22+50	0.0000	0.00	O					28+ 0	0.0000	0.00	O				
22+55	0.0000	0.00	O					28+ 5	0.0000	0.00	O				
23+ 0	0.0000	0.00	O					28+10	0.0000	0.00	O				
23+ 5	0.0000	0.00	O					28+15	0.0000	0.00	O				
23+10	0.0000	0.00	O					28+20	0.0000	0.00	O				
23+15	0.0000	0.00	O					28+25	0.0000	0.00	O				
23+20	0.0000	0.00	O					28+30	0.0000	0.00	O				
23+25	0.0000	0.00	O					28+35	0.0000	0.00	O				
23+30	0.0000	0.00	O					28+40	0.0000	0.00	O				
23+35	0.0000	0.00	O					28+45	0.0000	0.00	O				
23+40	0.0000	0.00	O					28+50	0.0000	0.00	O				
23+45	0.0000	0.00	O					28+55	0.0000	0.00	O				
23+50	0.0000	0.00	O					29+ 0	0.0000	0.00	O				
23+55	0.0000	0.00	O					29+ 5	0.0000	0.00	O				
24+ 0	0.0000	0.00	O					29+10	0.0000	0.00	O				
24+ 5	0.0000	0.00	O					29+15	0.0000	0.00	O				
24+10	0.0000	0.00	O					29+20	0.0000	0.00	O				
24+15	0.0000	0.00	O					29+25	0.0000	0.00	O				
24+20	0.0000	0.00	O					29+30	0.0000	0.00	O				
24+25	0.0000	0.00	O					29+35	0.0000	0.00	O				
24+30	0.0000	0.00	O					29+40	0.0000	0.00	O				
24+35	0.0000	0.00	O					29+45	0.0000	0.00	O				
24+40	0.0000	0.00	O					29+50	0.0000	0.00	O				
24+45	0.0000	0.00	O					29+55	0.0000	0.00	O				
24+50	0.0000	0.00	O					30+ 0	0.0000	0.00	O				
24+55	0.0000	0.00	O					30+ 5	0.0000	0.00	O				
25+ 0	0.0000	0.00	O					30+10	0.0000	0.00	O				
25+ 5	0.0000	0.00	O					30+15	0.0000	0.00	O				
25+10	0.0000	0.00	O					30+20	0.0000	0.00	O				
25+15	0.0000	0.00	O					30+25	0.0000	0.00	O				
25+20	0.0000	0.00	O					30+30	0.0000	0.00	O				
25+25	0.0000	0.00	O					30+35	0.0000	0.00	O				
25+30	0.0000	0.00	O					30+40	0.0000	0.00	O				
25+35	0.0000	0.00	O					30+45	0.0000	0.00	O				
25+40	0.0000	0.00	O					30+50	0.0000	0.00	O				

30+55	0.0000	0.00	O					36+ 5	0.0000	0.00	O				
31+ 0	0.0000	0.00	O					36+10	0.0000	0.00	O				
31+ 5	0.0000	0.00	O					36+15	0.0000	0.00	O				
31+10	0.0000	0.00	O					36+20	0.0000	0.00	O				
31+15	0.0000	0.00	O					36+25	0.0000	0.00	O				
31+20	0.0000	0.00	O					36+30	0.0000	0.00	O				
31+25	0.0000	0.00	O					36+35	0.0000	0.00	O				
31+30	0.0000	0.00	O					36+40	0.0000	0.00	O				
31+35	0.0000	0.00	O					36+45	0.0000	0.00	O				
31+40	0.0000	0.00	O					36+50	0.0000	0.00	O				
31+45	0.0000	0.00	O					36+55	0.0000	0.00	O				
31+50	0.0000	0.00	O					37+ 0	0.0000	0.00	O				
31+55	0.0000	0.00	O					37+ 5	0.0000	0.00	O				
32+ 0	0.0000	0.00	O					37+10	0.0000	0.00	O				
32+ 5	0.0000	0.00	O					37+15	0.0000	0.00	O				
32+10	0.0000	0.00	O					37+20	0.0000	0.00	O				
32+15	0.0000	0.00	O					37+25	0.0000	0.00	O				
32+20	0.0000	0.00	O					37+30	0.0000	0.00	O				
32+25	0.0000	0.00	O					37+35	0.0000	0.00	O				
32+30	0.0000	0.00	O					37+40	0.0000	0.00	O				
32+35	0.0000	0.00	O					37+45	0.0000	0.00	O				
32+40	0.0000	0.00	O					37+50	0.0000	0.00	O				
32+45	0.0000	0.00	O					37+55	0.0000	0.00	O				
32+50	0.0000	0.00	O					38+ 0	0.0000	0.00	O				
32+55	0.0000	0.00	O					38+ 5	0.0000	0.00	O				
33+ 0	0.0000	0.00	O					38+10	0.0000	0.00	O				
33+ 5	0.0000	0.00	O					38+15	0.0000	0.00	O				
33+10	0.0000	0.00	O					38+20	0.0000	0.00	O				
33+15	0.0000	0.00	O					38+25	0.0000	0.00	O				
33+20	0.0000	0.00	O					38+30	0.0000	0.00	O				
33+25	0.0000	0.00	O					38+35	0.0000	0.00	O				
33+30	0.0000	0.00	O					38+40	0.0000	0.00	O				
33+35	0.0000	0.00	O					38+45	0.0000	0.00	O				
33+40	0.0000	0.00	O					38+50	0.0000	0.00	O				
33+45	0.0000	0.00	O					38+55	0.0000	0.00	O				
33+50	0.0000	0.00	O					39+ 0	0.0000	0.00	O				
33+55	0.0000	0.00	O					39+ 5	0.0000	0.00	O				
34+ 0	0.0000	0.00	O					39+10	0.0000	0.00	O				
34+ 5	0.0000	0.00	O					39+15	0.0000	0.00	O				
34+10	0.0000	0.00	O					39+20	0.0000	0.00	O				
34+15	0.0000	0.00	O					39+25	0.0000	0.00	O				
34+20	0.0000	0.00	O					39+30	0.0000	0.00	O				
34+25	0.0000	0.00	O					39+35	0.0000	0.00	O				
34+30	0.0000	0.00	O					39+40	0.0000	0.00	O				
34+35	0.0000	0.00	O					39+45	0.0000	0.00	O				
34+40	0.0000	0.00	O					39+50	0.0000	0.00	O				
34+45	0.0000	0.00	O					39+55	0.0000	0.00	O				
34+50	0.0000	0.00	O					40+ 0	0.0000	0.00	O				
34+55	0.0000	0.00	O					40+ 5	0.0000	0.00	O				
35+ 0	0.0000	0.00	O					40+10	0.0000	0.00	O				
35+ 5	0.0000	0.00	O					40+15	0.0000	0.00	O				
35+10	0.0000	0.00	O					40+20	0.0000	0.00	O				
35+15	0.0000	0.00	O					40+25	0.0000	0.00	O				
35+20	0.0000	0.00	O					40+30	0.0000	0.00	O				
35+25	0.0000	0.00	O					40+35	0.0000	0.00	O				
35+30	0.0000	0.00	O					40+40	0.0000	0.00	O				
35+35	0.0000	0.00	O					40+45	0.0000	0.00	O				
35+40	0.0000	0.00	O					40+50	0.0000	0.00	O				
35+45	0.0000	0.00	O					40+55	0.0000	0.00	O				
35+50	0.0000	0.00	O					41+ 0	0.0000	0.00	O				
35+55	0.0000	0.00	O					41+ 5	0.0000	0.00	O				
36+ 0	0.0000	0.00	O					41+10	0.0000	0.00	O				

41+15	0.0000	0.00	O					46+25	0.0000	0.00	O				
41+20	0.0000	0.00	O					46+30	0.0000	0.00	O				
41+25	0.0000	0.00	O					46+35	0.0000	0.00	O				
41+30	0.0000	0.00	O					46+40	0.0000	0.00	O				
41+35	0.0000	0.00	O					46+45	0.0000	0.00	O				
41+40	0.0000	0.00	O					46+50	0.0000	0.00	O				
41+45	0.0000	0.00	O					46+55	0.0000	0.00	O				
41+50	0.0000	0.00	O					47+ 0	0.0000	0.00	O				
41+55	0.0000	0.00	O					47+ 5	0.0000	0.00	O				
42+ 0	0.0000	0.00	O					47+10	0.0000	0.00	O				
42+ 5	0.0000	0.00	O					47+15	0.0000	0.00	O				
42+10	0.0000	0.00	O					47+20	0.0000	0.00	O				
42+15	0.0000	0.00	O					47+25	0.0000	0.00	O				
42+20	0.0000	0.00	O					47+30	0.0000	0.00	O				
42+25	0.0000	0.00	O					47+35	0.0000	0.00	O				
42+30	0.0000	0.00	O					47+40	0.0000	0.00	O				
42+35	0.0000	0.00	O					47+45	0.0000	0.00	O				
42+40	0.0000	0.00	O					47+50	0.0000	0.00	O				
42+45	0.0000	0.00	O					47+55	0.0000	0.00	O				
42+50	0.0000	0.00	O					48+ 0	0.0000	0.00	O				
42+55	0.0000	0.00	O					48+ 5	0.0000	0.00	O				
43+ 0	0.0000	0.00	O					48+10	0.0000	0.00	O				
43+ 5	0.0000	0.00	O					48+15	0.0000	0.00	O				
43+10	0.0000	0.00	O					48+20	0.0000	0.00	O				
43+15	0.0000	0.00	O					48+25	0.0000	0.00	O				
43+20	0.0000	0.00	O					48+30	0.0000	0.00	O				
43+25	0.0000	0.00	O					48+35	0.0000	0.00	O				
43+30	0.0000	0.00	O					48+40	0.0000	0.00	O				
43+35	0.0000	0.00	O					48+45	0.0000	0.00	O				
43+40	0.0000	0.00	O					48+50	0.0000	0.00	O				
43+45	0.0000	0.00	O					48+55	0.0000	0.00	O				
43+50	0.0000	0.00	O					49+ 0	0.0000	0.00	O				
43+55	0.0000	0.00	O					49+ 5	0.0000	0.00	O				
44+ 0	0.0000	0.00	O					49+10	0.0000	0.00	O				
44+ 5	0.0000	0.00	O					49+15	0.0000	0.00	O				
44+10	0.0000	0.00	O					49+20	0.0000	0.00	O				
44+15	0.0000	0.00	O					49+25	0.0000	0.00	O				
44+20	0.0000	0.00	O					49+30	0.0000	0.00	O				
44+25	0.0000	0.00	O					49+35	0.0000	0.00	O				
44+30	0.0000	0.00	O					49+40	0.0000	0.00	O				
44+35	0.0000	0.00	O					49+45	0.0000	0.00	O				
44+40	0.0000	0.00	O					49+50	0.0000	0.00	O				
44+45	0.0000	0.00	O					49+55	0.0000	0.00	O				
44+50	0.0000	0.00	O					50+ 0	0.0000	0.00	O				
44+55	0.0000	0.00	O					50+ 5	0.0000	0.00	O				
45+ 0	0.0000	0.00	O					50+10	0.0000	0.00	O				
45+ 5	0.0000	0.00	O					50+15	0.0000	0.00	O				
45+10	0.0000	0.00	O					50+20	0.0000	0.00	O				
45+15	0.0000	0.00	O					50+25	0.0000	0.00	O				
45+20	0.0000	0.00	O					50+30	0.0000	0.00	O				
45+25	0.0000	0.00	O					50+35	0.0000	0.00	O				
45+30	0.0000	0.00	O					50+40	0.0000	0.00	O				
45+35	0.0000	0.00	O					50+45	0.0000	0.00	O				
45+40	0.0000	0.00	O					50+50	0.0000	0.00	O				
45+45	0.0000	0.00	O					50+55	0.0000	0.00	O				
45+50	0.0000	0.00	O					51+ 0	0.0000	0.00	O				
45+55	0.0000	0.00	O					51+ 5	0.0000	0.00	O				
46+ 0	0.0000	0.00	O					51+10	0.0000	0.00	O				
46+ 5	0.0000	0.00	O					51+15	0.0000	0.00	O				
46+10	0.0000	0.00	O					51+20	0.0000	0.00	O				
46+15	0.0000	0.00	O					51+25	0.0000	0.00	O				
46+20	0.0000	0.00	O					51+30	0.0000	0.00	O				

51+35	0.0000	0.00	O					56+45	0.0000	0.00	O				
51+40	0.0000	0.00	O					56+50	0.0000	0.00	O				
51+45	0.0000	0.00	O					56+55	0.0000	0.00	O				
51+50	0.0000	0.00	O					57+ 0	0.0000	0.00	O				
51+55	0.0000	0.00	O					57+ 5	0.0000	0.00	O				
52+ 0	0.0000	0.00	O					57+10	0.0000	0.00	O				
52+ 5	0.0000	0.00	O					57+15	0.0000	0.00	O				
52+10	0.0000	0.00	O					57+20	0.0000	0.00	O				
52+15	0.0000	0.00	O					57+25	0.0000	0.00	O				
52+20	0.0000	0.00	O					57+30	0.0000	0.00	O				
52+25	0.0000	0.00	O					57+35	0.0000	0.00	O				
52+30	0.0000	0.00	O					57+40	0.0000	0.00	O				
52+35	0.0000	0.00	O					57+45	0.0000	0.00	O				
52+40	0.0000	0.00	O					57+50	0.0000	0.00	O				
52+45	0.0000	0.00	O					57+55	0.0000	0.00	O				
52+50	0.0000	0.00	O					58+ 0	0.0000	0.00	O				
52+55	0.0000	0.00	O					58+ 5	0.0000	0.00	O				
53+ 0	0.0000	0.00	O					58+10	0.0000	0.00	O				
53+ 5	0.0000	0.00	O					58+15	0.0000	0.00	O				
53+10	0.0000	0.00	O					58+20	0.0000	0.00	O				
53+15	0.0000	0.00	O					58+25	0.0000	0.00	O				
53+20	0.0000	0.00	O					58+30	0.0000	0.00	O				
53+25	0.0000	0.00	O					58+35	0.0000	0.00	O				
53+30	0.0000	0.00	O					58+40	0.0000	0.00	O				
53+35	0.0000	0.00	O					58+45	0.0000	0.00	O				
53+40	0.0000	0.00	O					58+50	0.0000	0.00	O				
53+45	0.0000	0.00	O					58+55	0.0000	0.00	O				
53+50	0.0000	0.00	O					59+ 0	0.0000	0.00	O				
53+55	0.0000	0.00	O					59+ 5	0.0000	0.00	O				
54+ 0	0.0000	0.00	O					59+10	0.0000	0.00	O				
54+ 5	0.0000	0.00	O					59+15	0.0000	0.00	O				
54+10	0.0000	0.00	O					59+20	0.0000	0.00	O				
54+15	0.0000	0.00	O					59+25	0.0000	0.00	O				
54+20	0.0000	0.00	O					59+30	0.0000	0.00	O				
54+25	0.0000	0.00	O					59+35	0.0000	0.00	O				
54+30	0.0000	0.00	O					59+40	0.0000	0.00	O				
54+35	0.0000	0.00	O					59+45	0.0000	0.00	O				
54+40	0.0000	0.00	O					59+50	0.0000	0.00	O				
54+45	0.0000	0.00	O					59+55	0.0000	0.00	O				
54+50	0.0000	0.00	O					60+ 0	0.0000	0.00	O				
54+55	0.0000	0.00	O					60+ 5	0.0000	0.00	O				
55+ 0	0.0000	0.00	O					60+10	0.0000	0.00	O				
55+ 5	0.0000	0.00	O					60+15	0.0000	0.00	O				
55+10	0.0000	0.00	O					60+20	0.0000	0.00	O				
55+15	0.0000	0.00	O					60+25	0.0000	0.00	O				
55+20	0.0000	0.00	O					60+30	0.0000	0.00	O				
55+25	0.0000	0.00	O					60+35	0.0000	0.00	O				
55+30	0.0000	0.00	O					60+40	0.0000	0.00	O				
55+35	0.0000	0.00	O					60+45	0.0000	0.00	O				
55+40	0.0000	0.00	O					60+50	0.0000	0.00	O				
55+45	0.0000	0.00	O					60+55	0.0000	0.00	O				
55+50	0.0000	0.00	O					61+ 0	0.0000	0.00	O				
55+55	0.0000	0.00	O					61+ 5	0.0000	0.00	O				
56+ 0	0.0000	0.00	O					61+10	0.0000	0.00	O				
56+ 5	0.0000	0.00	O					61+15	0.0000	0.00	O				
56+10	0.0000	0.00	O					61+20	0.0000	0.00	O				
56+15	0.0000	0.00	O					61+25	0.0000	0.00	O				
56+20	0.0000	0.00	O					61+30	0.0000	0.00	O				
56+25	0.0000	0.00	O					61+35	0.0000	0.00	O				
56+30	0.0000	0.00	O					61+40	0.0000	0.00	O				
56+35	0.0000	0.00	O					61+45	0.0000	0.00	O				
56+40	0.0000	0.00	O					61+50	0.0000	0.00	O				

61+55	0.0000	0.00	O					67+ 5	0.0000	0.00	O				
62+ 0	0.0000	0.00	O					67+10	0.0000	0.00	O				
62+ 5	0.0000	0.00	O					67+15	0.0000	0.00	O				
62+10	0.0000	0.00	O					67+20	0.0000	0.00	O				
62+15	0.0000	0.00	O					67+25	0.0000	0.00	O				
62+20	0.0000	0.00	O					67+30	0.0000	0.00	O				
62+25	0.0000	0.00	O					67+35	0.0000	0.00	O				
62+30	0.0000	0.00	O					67+40	0.0000	0.00	O				
62+35	0.0000	0.00	O					67+45	0.0000	0.00	O				
62+40	0.0000	0.00	O					67+50	0.0000	0.00	O				
62+45	0.0000	0.00	O					67+55	0.0000	0.00	O				
62+50	0.0000	0.00	O					68+ 0	0.0000	0.00	O				
62+55	0.0000	0.00	O					68+ 5	0.0000	0.00	O				
63+ 0	0.0000	0.00	O					68+10	0.0000	0.00	O				
63+ 5	0.0000	0.00	O					68+15	0.0000	0.00	O				
63+10	0.0000	0.00	O					68+20	0.0000	0.00	O				
63+15	0.0000	0.00	O					68+25	0.0000	0.00	O				
63+20	0.0000	0.00	O					68+30	0.0000	0.00	O				
63+25	0.0000	0.00	O					68+35	0.0000	0.00	O				
63+30	0.0000	0.00	O					68+40	0.0000	0.00	O				
63+35	0.0000	0.00	O					68+45	0.0000	0.00	O				
63+40	0.0000	0.00	O					68+50	0.0000	0.00	O				
63+45	0.0000	0.00	O					68+55	0.0000	0.00	O				
63+50	0.0000	0.00	O					69+ 0	0.0000	0.00	O				
63+55	0.0000	0.00	O					69+ 5	0.0000	0.00	O				
64+ 0	0.0000	0.00	O					69+10	0.0000	0.00	O				
64+ 5	0.0000	0.00	O					69+15	0.0000	0.00	O				
64+10	0.0000	0.00	O					69+20	0.0000	0.00	O				
64+15	0.0000	0.00	O					69+25	0.0000	0.00	O				
64+20	0.0000	0.00	O					69+30	0.0000	0.00	O				
64+25	0.0000	0.00	O					69+35	0.0000	0.00	O				
64+30	0.0000	0.00	O					69+40	0.0000	0.00	O				
64+35	0.0000	0.00	O					69+45	0.0000	0.00	O				
64+40	0.0000	0.00	O					69+50	0.0000	0.00	O				
64+45	0.0000	0.00	O					69+55	0.0000	0.00	O				
64+50	0.0000	0.00	O					70+ 0	0.0000	0.00	O				
64+55	0.0000	0.00	O					70+ 5	0.0000	0.00	O				
65+ 0	0.0000	0.00	O					70+10	0.0000	0.00	O				
65+ 5	0.0000	0.00	O					70+15	0.0000	0.00	O				
65+10	0.0000	0.00	O					70+20	0.0000	0.00	O				
65+15	0.0000	0.00	O					70+25	0.0000	0.00	O				
65+20	0.0000	0.00	O					70+30	0.0000	0.00	O				
65+25	0.0000	0.00	O					70+35	0.0000	0.00	O				
65+30	0.0000	0.00	O					70+40	0.0000	0.00	O				
65+35	0.0000	0.00	O					70+45	0.0000	0.00	O				
65+40	0.0000	0.00	O					70+50	0.0000	0.00	O				
65+45	0.0000	0.00	O					70+55	0.0000	0.00	O				
65+50	0.0000	0.00	O					71+ 0	0.0000	0.00	O				
65+55	0.0000	0.00	O					71+ 5	0.0000	0.00	O				
66+ 0	0.0000	0.00	O					71+10	0.0000	0.00	O				
66+ 5	0.0000	0.00	O					71+15	0.0000	0.00	O				
66+10	0.0000	0.00	O					71+20	0.0000	0.00	O				
66+15	0.0000	0.00	O					71+25	0.0000	0.00	O				
66+20	0.0000	0.00	O					71+30	0.0000	0.00	O				
66+25	0.0000	0.00	O					71+35	0.0000	0.00	O				
66+30	0.0000	0.00	O					71+40	0.0000	0.00	O				
66+35	0.0000	0.00	O					71+45	0.0000	0.00	O				
66+40	0.0000	0.00	O					71+50	0.0000	0.00	O				
66+45	0.0000	0.00	O					71+55	0.0000	0.00	O				
66+50	0.0000	0.00	O					72+ 0	0.0000	0.00	O				
66+55	0.0000	0.00	O					72+ 5	0.0000	0.00	O				
67+ 0	0.0000	0.00	O					72+10	0.0000	0.00	O				

72+15	0.0000	0.00	O	|	|	|	|	77+25	0.0000	0.00	O	|	|	|	|
72+20	0.0000	0.00	O	|	|	|	|	77+30	0.0000	0.00	O	|	|	|	|
72+25	0.0000	0.00	O	|	|	|	|	77+35	0.0000	0.00	O	|	|	|	|
72+30	0.0000	0.00	O	|	|	|	|	77+40	0.0000	0.00	O	|	|	|	|
72+35	0.0000	0.00	O	|	|	|	|	77+45	0.0000	0.00	O	|	|	|	|
72+40	0.0000	0.00	O	|	|	|	|	77+50	0.0000	0.00	O	|	|	|	|
72+45	0.0000	0.00	O	|	|	|	|	77+55	0.0000	0.00	O	|	|	|	|
72+50	0.0000	0.00	O	|	|	|	|	78+ 0	0.0000	0.00	O	|	|	|	|
72+55	0.0000	0.00	O	|	|	|	|	78+ 5	0.0000	0.00	O	|	|	|	|
73+ 0	0.0000	0.00	O	|	|	|	|	78+10	0.0000	0.00	O	|	|	|	|
73+ 5	0.0000	0.00	O	|	|	|	|	78+15	0.0000	0.00	O	|	|	|	|
73+10	0.0000	0.00	O	|	|	|	|	78+20	0.0000	0.00	O	|	|	|	|
73+15	0.0000	0.00	O	|	|	|	|	78+25	0.0000	0.00	O	|	|	|	|
73+20	0.0000	0.00	O	|	|	|	|	78+30	0.0000	0.00	O	|	|	|	|
73+25	0.0000	0.00	O	|	|	|	|	78+35	0.0000	0.00	O	|	|	|	|
73+30	0.0000	0.00	O	|	|	|	|	78+40	0.0000	0.00	O	|	|	|	|
73+35	0.0000	0.00	O	|	|	|	|	78+45	0.0000	0.00	O	|	|	|	|
73+40	0.0000	0.00	O	|	|	|	|	78+50	0.0000	0.00	O	|	|	|	|
73+45	0.0000	0.00	O	|	|	|	|	78+55	0.0000	0.00	O	|	|	|	|
73+50	0.0000	0.00	O	|	|	|	|	79+ 0	0.0000	0.00	O	|	|	|	|
73+55	0.0000	0.00	O	|	|	|	|	79+ 5	0.0000	0.00	O	|	|	|	|
74+ 0	0.0000	0.00	O	|	|	|	|	79+10	0.0000	0.00	O	|	|	|	|
74+ 5	0.0000	0.00	O	|	|	|	|	79+15	0.0000	0.00	O	|	|	|	|
74+10	0.0000	0.00	O	|	|	|	|	79+20	0.0000	0.00	O	|	|	|	|
74+15	0.0000	0.00	O	|	|	|	|	79+25	0.0000	0.00	O	|	|	|	|
74+20	0.0000	0.00	O	|	|	|	|	79+30	0.0000	0.00	O	|	|	|	|
74+25	0.0000	0.00	O	|	|	|	|	79+35	0.0000	0.00	O	|	|	|	|
74+30	0.0000	0.00	O	|	|	|	|	79+40	0.0000	0.00	O	|	|	|	|
74+35	0.0000	0.00	O	|	|	|	|	79+45	0.0000	0.00	O	|	|	|	|
74+40	0.0000	0.00	O	|	|	|	|	79+50	0.0000	0.00	O	|	|	|	|
74+45	0.0000	0.00	O	|	|	|	|	79+55	0.0000	0.00	O	|	|	|	|
74+50	0.0000	0.00	O	|	|	|	|	80+ 0	0.0000	0.00	O	|	|	|	|
74+55	0.0000	0.00	O	|	|	|	|	80+ 5	0.0000	0.00	O	|	|	|	|
75+ 0	0.0000	0.00	O	|	|	|	|	80+10	0.0000	0.00	O	|	|	|	|
75+ 5	0.0000	0.00	O	|	|	|	|	80+15	0.0000	0.00	O	|	|	|	|
75+10	0.0000	0.00	O	|	|	|	|	80+20	0.0000	0.00	O	|	|	|	|
75+15	0.0000	0.00	O	|	|	|	|	80+25	0.0000	0.00	O	|	|	|	|
75+20	0.0000	0.00	O	|	|	|	|	80+30	0.0000	0.00	O	|	|	|	|
75+25	0.0000	0.00	O	|	|	|	|	80+35	0.0000	0.00	O	|	|	|	|
75+30	0.0000	0.00	O	|	|	|	|	80+40	0.0000	0.00	O	|	|	|	|
75+35	0.0000	0.00	O	|	|	|	|	80+45	0.0000	0.00	O	|	|	|	|
75+40	0.0000	0.00	O	|	|	|	|	80+50	0.0000	0.00	O	|	|	|	|
75+45	0.0000	0.00	O	|	|	|	|	80+55	0.0000	0.00	O	|	|	|	|
75+50	0.0000	0.00	O	|	|	|	|	81+ 0	0.0000	0.00	O	|	|	|	|
75+55	0.0000	0.00	O	|	|	|	|	81+ 5	0.0000	0.00	O	|	|	|	|
76+ 0	0.0000	0.00	O	|	|	|	|	81+10	0.0000	0.00	O	|	|	|	|
76+ 5	0.0000	0.00	O	|	|	|	|	81+15	0.0000	0.00	O	|	|	|	|
76+10	0.0000	0.00	O	|	|	|	|	81+20	0.0000	0.00	O	|	|	|	|
76+15	0.0000	0.00	O	|	|	|	|	81+25	0.0000	0.00	O	|	|	|	|
76+20	0.0000	0.00	O	|	|	|	|	81+30	0.0000	0.00	O	|	|	|	|
76+25	0.0000	0.00	O	|	|	|	|	81+35	0.0000	0.00	O	|	|	|	|
76+30	0.0000	0.00	O	|	|	|	|	81+40	0.0000	0.00	O	|	|	|	|
76+35	0.0000	0.00	O	|	|	|	|	81+45	0.0000	0.00	O	|	|	|	|
76+40	0.0000	0.00	O	|	|	|	|	81+50	0.0000	0.00	O	|	|	|	|
76+45	0.0000	0.00	O	|	|	|	|	81+55	0.0000	0.00	O	|	|	|	|
76+50	0.0000	0.00	O	|	|	|	|	82+ 0	0.0000	0.00	O	|	|	|	|
76+55	0.0000	0.00	O	|	|	|	|	82+ 5	0.0000	0.00	O	|	|	|	|
77+ 0	0.0000	0.00	O	|	|	|	|	82+10	0.0000	0.00	O	|	|	|	|
77+ 5	0.0000	0.00	O	|	|	|	|	82+15	0.0000	0.00	O	|	|	|	|
77+10	0.0000	0.00	O	|	|	|	|	82+20	0.0000	0.00	O	|	|	|	|
77+15	0.0000	0.00	O	|	|	|	|	82+25	0.0000	0.00	O	|	|	|	|
77+20	0.0000	0.00	O	|	|	|	|	82+30	0.0000	0.00	O	|	|	|	|

82+35	0.0000	0.00	O					87+45	0.0000	0.00	O				
82+40	0.0000	0.00	O					87+50	0.0000	0.00	O				
82+45	0.0000	0.00	O					87+55	0.0000	0.00	O				
82+50	0.0000	0.00	O					88+ 0	0.0000	0.00	O				
82+55	0.0000	0.00	O					88+ 5	0.0000	0.00	O				
83+ 0	0.0000	0.00	O					88+10	0.0000	0.00	O				
83+ 5	0.0000	0.00	O					88+15	0.0000	0.00	O				
83+10	0.0000	0.00	O					88+20	0.0000	0.00	O				
83+15	0.0000	0.00	O					88+25	0.0000	0.00	O				
83+20	0.0000	0.00	O					88+30	0.0000	0.00	O				
83+25	0.0000	0.00	O					88+35	0.0000	0.00	O				
83+30	0.0000	0.00	O					88+40	0.0000	0.00	O				
83+35	0.0000	0.00	O					88+45	0.0000	0.00	O				
83+40	0.0000	0.00	O					88+50	0.0000	0.00	O				
83+45	0.0000	0.00	O					88+55	0.0000	0.00	O				
83+50	0.0000	0.00	O					89+ 0	0.0000	0.00	O				
83+55	0.0000	0.00	O					89+ 5	0.0000	0.00	O				
84+ 0	0.0000	0.00	O					89+10	0.0000	0.00	O				
84+ 5	0.0000	0.00	O					89+15	0.0000	0.00	O				
84+10	0.0000	0.00	O					89+20	0.0000	0.00	O				
84+15	0.0000	0.00	O					89+25	0.0000	0.00	O				
84+20	0.0000	0.00	O					89+30	0.0000	0.00	O				
84+25	0.0000	0.00	O					89+35	0.0000	0.00	O				
84+30	0.0000	0.00	O					89+40	0.0000	0.00	O				
84+35	0.0000	0.00	O					89+45	0.0000	0.00	O				
84+40	0.0000	0.00	O					89+50	0.0000	0.00	O				
84+45	0.0000	0.00	O					89+55	0.0000	0.00	O				
84+50	0.0000	0.00	O					90+ 0	0.0000	0.00	O				
84+55	0.0000	0.00	O					90+ 5	0.0000	0.00	O				
85+ 0	0.0000	0.00	O					90+10	0.0000	0.00	O				
85+ 5	0.0000	0.00	O					90+15	0.0000	0.00	O				
85+10	0.0000	0.00	O					90+20	0.0000	0.00	O				
85+15	0.0000	0.00	O					90+25	0.0000	0.00	O				
85+20	0.0000	0.00	O					90+30	0.0000	0.00	O				
85+25	0.0000	0.00	O					90+35	0.0000	0.00	O				
85+30	0.0000	0.00	O					90+40	0.0000	0.00	O				
85+35	0.0000	0.00	O					90+45	0.0000	0.00	O				
85+40	0.0000	0.00	O					90+50	0.0000	0.00	O				
85+45	0.0000	0.00	O					90+55	0.0000	0.00	O				
85+50	0.0000	0.00	O					91+ 0	0.0000	0.00	O				
85+55	0.0000	0.00	O					91+ 5	0.0000	0.00	O				
86+ 0	0.0000	0.00	O					91+10	0.0000	0.00	O				
86+ 5	0.0000	0.00	O					91+15	0.0000	0.00	O				
86+10	0.0000	0.00	O					91+20	0.0000	0.00	O				
86+15	0.0000	0.00	O					91+25	0.0000	0.00	O				
86+20	0.0000	0.00	O					91+30	0.0000	0.00	O				
86+25	0.0000	0.00	O					91+35	0.0000	0.00	O				
86+30	0.0000	0.00	O					91+40	0.0000	0.00	O				
86+35	0.0000	0.00	O					91+45	0.0000	0.00	O				
86+40	0.0000	0.00	O					91+50	0.0000	0.00	O				
86+45	0.0000	0.00	O					91+55	0.0000	0.00	O				
86+50	0.0000	0.00	O					92+ 0	0.0000	0.00	O				
86+55	0.0000	0.00	O					92+ 5	0.0000	0.00	O				
87+ 0	0.0000	0.00	O					92+10	0.0000	0.00	O				
87+ 5	0.0000	0.00	O					92+15	0.0000	0.00	O				
87+10	0.0000	0.00	O					92+20	0.0000	0.00	O				
87+15	0.0000	0.00	O					92+25	0.0000	0.00	O				
87+20	0.0000	0.00	O					92+30	0.0000	0.00	O				
87+25	0.0000	0.00	O					92+35	0.0000	0.00	O				
87+30	0.0000	0.00	O					92+40	0.0000	0.00	O				
87+35	0.0000	0.00	O					92+45	0.0000	0.00	O				
87+40	0.0000	0.00	O					92+50	0.0000	0.00	O				

92+55	0.0000	0.00	O					98+ 5	0.0000	0.00	O				
93+ 0	0.0000	0.00	O					98+10	0.0000	0.00	O				
93+ 5	0.0000	0.00	O					98+15	0.0000	0.00	O				
93+10	0.0000	0.00	O					98+20	0.0000	0.00	O				
93+15	0.0000	0.00	O					98+25	0.0000	0.00	O				
93+20	0.0000	0.00	O					98+30	0.0000	0.00	O				
93+25	0.0000	0.00	O					98+35	0.0000	0.00	O				
93+30	0.0000	0.00	O					98+40	0.0000	0.00	O				
93+35	0.0000	0.00	O					98+45	0.0000	0.00	O				
93+40	0.0000	0.00	O					98+50	0.0000	0.00	O				
93+45	0.0000	0.00	O					98+55	0.0000	0.00	O				
93+50	0.0000	0.00	O					99+ 0	0.0000	0.00	O				
93+55	0.0000	0.00	O					99+ 5	0.0000	0.00	O				
94+ 0	0.0000	0.00	O					99+10	0.0000	0.00	O				
94+ 5	0.0000	0.00	O					99+15	0.0000	0.00	O				
94+10	0.0000	0.00	O					99+20	0.0000	0.00	O				
94+15	0.0000	0.00	O					99+25	0.0000	0.00	O				
94+20	0.0000	0.00	O					99+30	0.0000	0.00	O				
94+25	0.0000	0.00	O					99+35	0.0000	0.00	O				
94+30	0.0000	0.00	O					99+40	0.0000	0.00	O				
94+35	0.0000	0.00	O					99+45	0.0000	0.00	O				
94+40	0.0000	0.00	O					99+50	0.0000	0.00	O				
94+45	0.0000	0.00	O					99+55	0.0000	0.00	O				
94+50	0.0000	0.00	O					100+ 0	0.0000	0.00	O				
94+55	0.0000	0.00	O					100+ 5	0.0000	0.00	O				
95+ 0	0.0000	0.00	O					100+10	0.0000	0.00	O				
95+ 5	0.0000	0.00	O					100+15	0.0000	0.00	O				
95+10	0.0000	0.00	O					100+20	0.0000	0.00	O				
95+15	0.0000	0.00	O					100+25	0.0000	0.00	O				
95+20	0.0000	0.00	O					100+30	0.0000	0.00	O				
95+25	0.0000	0.00	O					100+35	0.0000	0.00	O				
95+30	0.0000	0.00	O					100+40	0.0000	0.00	O				
95+35	0.0000	0.00	O					100+45	0.0000	0.00	O				
95+40	0.0000	0.00	O					100+50	0.0000	0.00	O				
95+45	0.0000	0.00	O					100+55	0.0000	0.00	O				
95+50	0.0000	0.00	O					101+ 0	0.0000	0.00	O				
95+55	0.0000	0.00	O					101+ 5	0.0000	0.00	O				
96+ 0	0.0000	0.00	O					101+10	0.0000	0.00	O				
96+ 5	0.0000	0.00	O					101+15	0.0000	0.00	O				
96+10	0.0000	0.00	O					101+20	0.0000	0.00	O				
96+15	0.0000	0.00	O					101+25	0.0000	0.00	O				
96+20	0.0000	0.00	O					101+30	0.0000	0.00	O				
96+25	0.0000	0.00	O					101+35	0.0000	0.00	O				
96+30	0.0000	0.00	O					101+40	0.0000	0.00	O				
96+35	0.0000	0.00	O					101+45	0.0000	0.00	O				
96+40	0.0000	0.00	O					101+50	0.0000	0.00	O				
96+45	0.0000	0.00	O					101+55	0.0000	0.00	O				
96+50	0.0000	0.00	O					102+ 0	0.0000	0.00	O				
96+55	0.0000	0.00	O					102+ 5	0.0000	0.00	O				
97+ 0	0.0000	0.00	O					102+10	0.0000	0.00	O				
97+ 5	0.0000	0.00	O					102+15	0.0000	0.00	O				
97+10	0.0000	0.00	O					102+20	0.0000	0.00	O				
97+15	0.0000	0.00	O					102+25	0.0000	0.00	O				
97+20	0.0000	0.00	O					102+30	0.0000	0.00	O				
97+25	0.0000	0.00	O					102+35	0.0000	0.00	O				
97+30	0.0000	0.00	O					102+40	0.0000	0.00	O				
97+35	0.0000	0.00	O					102+45	0.0000	0.00	O				
97+40	0.0000	0.00	O					102+50	0.0000	0.00	O				
97+45	0.0000	0.00	O					102+55	0.0000	0.00	O				
97+50	0.0000	0.00	O					103+ 0	0.0000	0.00	O				
97+55	0.0000	0.00	O					103+ 5	0.0000	0.00	O				
98+ 0	0.0000	0.00	O					103+10	0.0000	0.00	O				

103+15	0.0000	0.00	O					108+25	0.0000	0.00	O				
103+20	0.0000	0.00	O					108+30	0.0000	0.00	O				
103+25	0.0000	0.00	O					108+35	0.0000	0.00	O				
103+30	0.0000	0.00	O					108+40	0.0000	0.00	O				
103+35	0.0000	0.00	O					108+45	0.0000	0.00	O				
103+40	0.0000	0.00	O					108+50	0.0000	0.00	O				
103+45	0.0000	0.00	O					108+55	0.0000	0.00	O				
103+50	0.0000	0.00	O					109+ 0	0.0000	0.00	O				
103+55	0.0000	0.00	O					109+ 5	0.0000	0.00	O				
104+ 0	0.0000	0.00	O					109+10	0.0000	0.00	O				
104+ 5	0.0000	0.00	O					109+15	0.0000	0.00	O				
104+10	0.0000	0.00	O					109+20	0.0000	0.00	O				
104+15	0.0000	0.00	O					109+25	0.0000	0.00	O				
104+20	0.0000	0.00	O					109+30	0.0000	0.00	O				
104+25	0.0000	0.00	O					109+35	0.0000	0.00	O				
104+30	0.0000	0.00	O					109+40	0.0000	0.00	O				
104+35	0.0000	0.00	O					109+45	0.0000	0.00	O				
104+40	0.0000	0.00	O					109+50	0.0000	0.00	O				
104+45	0.0000	0.00	O					109+55	0.0000	0.00	O				
104+50	0.0000	0.00	O					110+ 0	0.0000	0.00	O				
104+55	0.0000	0.00	O					110+ 5	0.0000	0.00	O				
105+ 0	0.0000	0.00	O					110+10	0.0000	0.00	O				
105+ 5	0.0000	0.00	O					110+15	0.0000	0.00	O				
105+10	0.0000	0.00	O					110+20	0.0000	0.00	O				
105+15	0.0000	0.00	O					110+25	0.0000	0.00	O				
105+20	0.0000	0.00	O					110+30	0.0000	0.00	O				
105+25	0.0000	0.00	O					110+35	0.0000	0.00	O				
105+30	0.0000	0.00	O					110+40	0.0000	0.00	O				
105+35	0.0000	0.00	O					110+45	0.0000	0.00	O				
105+40	0.0000	0.00	O					110+50	0.0000	0.00	O				
105+45	0.0000	0.00	O					110+55	0.0000	0.00	O				
105+50	0.0000	0.00	O					111+ 0	0.0000	0.00	O				
105+55	0.0000	0.00	O					111+ 5	0.0000	0.00	O				
106+ 0	0.0000	0.00	O					111+10	0.0000	0.00	O				
106+ 5	0.0000	0.00	O					111+15	0.0000	0.00	O				
106+10	0.0000	0.00	O					111+20	0.0000	0.00	O				
106+15	0.0000	0.00	O					111+25	0.0000	0.00	O				
106+20	0.0000	0.00	O					111+30	0.0000	0.00	O				
106+25	0.0000	0.00	O					111+35	0.0000	0.00	O				
106+30	0.0000	0.00	O					111+40	0.0000	0.00	O				
106+35	0.0000	0.00	O					111+45	0.0000	0.00	O				
106+40	0.0000	0.00	O					111+50	0.0000	0.00	O				
106+45	0.0000	0.00	O					111+55	0.0000	0.00	O				
106+50	0.0000	0.00	O					112+ 0	0.0000	0.00	O				
106+55	0.0000	0.00	O					112+ 5	0.0000	0.00	O				
107+ 0	0.0000	0.00	O					112+10	0.0000	0.00	O				
107+ 5	0.0000	0.00	O					112+15	0.0000	0.00	O				
107+10	0.0000	0.00	O					112+20	0.0000	0.00	O				
107+15	0.0000	0.00	O					112+25	0.0000	0.00	O				
107+20	0.0000	0.00	O					112+30	0.0000	0.00	O				
107+25	0.0000	0.00	O					112+35	0.0000	0.00	O				
107+30	0.0000	0.00	O					112+40	0.0000	0.00	O				
107+35	0.0000	0.00	O					112+45	0.0000	0.00	O				
107+40	0.0000	0.00	O					112+50	0.0000	0.00	O				
107+45	0.0000	0.00	O					112+55	0.0000	0.00	O				
107+50	0.0000	0.00	O					113+ 0	0.0000	0.00	O				
107+55	0.0000	0.00	O					113+ 5	0.0000	0.00	O				
108+ 0	0.0000	0.00	O					113+10	0.0000	0.00	O				
108+ 5	0.0000	0.00	O					113+15	0.0000	0.00	O				
108+10	0.0000	0.00	O					113+20	0.0000	0.00	O				
108+15	0.0000	0.00	O					113+25	0.0000	0.00	O				
108+20	0.0000	0.00	O					113+30	0.0000	0.00	O				

113+35	0.0000	0.00	O					118+45	0.0000	0.00	O				
113+40	0.0000	0.00	O					118+50	0.0000	0.00	O				
113+45	0.0000	0.00	O					118+55	0.0000	0.00	O				
113+50	0.0000	0.00	O					119+ 0	0.0000	0.00	O				
113+55	0.0000	0.00	O					119+ 5	0.0000	0.00	O				
114+ 0	0.0000	0.00	O					119+10	0.0000	0.00	O				
114+ 5	0.0000	0.00	O					119+15	0.0000	0.00	O				
114+10	0.0000	0.00	O					119+20	0.0000	0.00	O				
114+15	0.0000	0.00	O					119+25	0.0000	0.00	O				
114+20	0.0000	0.00	O					119+30	0.0000	0.00	O				
114+25	0.0000	0.00	O					119+35	0.0000	0.00	O				
114+30	0.0000	0.00	O					119+40	0.0000	0.00	O				
114+35	0.0000	0.00	O					119+45	0.0000	0.00	O				
114+40	0.0000	0.00	O					119+50	0.0000	0.00	O				
114+45	0.0000	0.00	O					119+55	0.0000	0.00	O				
114+50	0.0000	0.00	O					120+ 0	0.0000	0.00	O				
114+55	0.0000	0.00	O					120+ 5	0.0000	0.00	O				
115+ 0	0.0000	0.00	O					120+10	0.0000	0.00	O				
115+ 5	0.0000	0.00	O					120+15	0.0000	0.00	O				
115+10	0.0000	0.00	O					120+20	0.0000	0.00	O				
115+15	0.0000	0.00	O					120+25	0.0000	0.00	O				
115+20	0.0000	0.00	O					120+30	0.0000	0.00	O				
115+25	0.0000	0.00	O					120+35	0.0000	0.00	O				
115+30	0.0000	0.00	O					120+40	0.0000	0.00	O				
115+35	0.0000	0.00	O					120+45	0.0000	0.00	O				
115+40	0.0000	0.00	O					120+50	0.0000	0.00	O				
115+45	0.0000	0.00	O					120+55	0.0000	0.00	O				
115+50	0.0000	0.00	O					121+ 0	0.0000	0.00	O				
115+55	0.0000	0.00	O					121+ 5	0.0000	0.00	O				
116+ 0	0.0000	0.00	O					121+10	0.0000	0.00	O				
116+ 5	0.0000	0.00	O					121+15	0.0000	0.00	O				
116+10	0.0000	0.00	O					121+20	0.0000	0.00	O				
116+15	0.0000	0.00	O					121+25	0.0000	0.00	O				
116+20	0.0000	0.00	O					121+30	0.0000	0.00	O				
116+25	0.0000	0.00	O					121+35	0.0000	0.00	O				
116+30	0.0000	0.00	O					121+40	0.0000	0.00	O				
116+35	0.0000	0.00	O					121+45	0.0000	0.00	O				
116+40	0.0000	0.00	O					121+50	0.0000	0.00	O				
116+45	0.0000	0.00	O					121+55	0.0000	0.00	O				
116+50	0.0000	0.00	O					122+ 0	0.0000	0.00	O				
116+55	0.0000	0.00	O					122+ 5	0.0000	0.00	O				
117+ 0	0.0000	0.00	O					122+10	0.0000	0.00	O				
117+ 5	0.0000	0.00	O					122+15	0.0000	0.00	O				
117+10	0.0000	0.00	O					122+20	0.0000	0.00	O				
117+15	0.0000	0.00	O					122+25	0.0000	0.00	O				
117+20	0.0000	0.00	O					122+30	0.0000	0.00	O				
117+25	0.0000	0.00	O					122+35	0.0000	0.00	O				
117+30	0.0000	0.00	O					122+40	0.0000	0.00	O				
117+35	0.0000	0.00	O					122+45	0.0000	0.00	O				
117+40	0.0000	0.00	O					122+50	0.0000	0.00	O				
117+45	0.0000	0.00	O					122+55	0.0000	0.00	O				
117+50	0.0000	0.00	O					123+ 0	0.0000	0.00	O				
117+55	0.0000	0.00	O					123+ 5	0.0000	0.00	O				
118+ 0	0.0000	0.00	O					123+10	0.0000	0.00	O				
118+ 5	0.0000	0.00	O					123+15	0.0000	0.00	O				
118+10	0.0000	0.00	O					123+20	0.0000	0.00	O				
118+15	0.0000	0.00	O					123+25	0.0000	0.00	O				
118+20	0.0000	0.00	O					123+30	0.0000	0.00	O				
118+25	0.0000	0.00	O					123+35	0.0000	0.00	O				
118+30	0.0000	0.00	O					123+40	0.0000	0.00	O				
118+35	0.0000	0.00	O					123+45	0.0000	0.00	O				
118+40	0.0000	0.00	O					123+50	0.0000	0.00	O				

123+55	0.0000	0.00	O	|	|	|	|	129+ 5	0.0000	0.00	O	|	|	|	|
124+ 0	0.0000	0.00	O	|	|	|	|	129+10	0.0000	0.00	O	|	|	|	|
124+ 5	0.0000	0.00	O	|	|	|	|	129+15	0.0000	0.00	O	|	|	|	|
124+10	0.0000	0.00	O	|	|	|	|	129+20	0.0000	0.00	O	|	|	|	|
124+15	0.0000	0.00	O	|	|	|	|	129+25	0.0000	0.00	O	|	|	|	|
124+20	0.0000	0.00	O	|	|	|	|	129+30	0.0000	0.00	O	|	|	|	|
124+25	0.0000	0.00	O	|	|	|	|	129+35	0.0000	0.00	O	|	|	|	|
124+30	0.0000	0.00	O	|	|	|	|	129+40	0.0000	0.00	O	|	|	|	|
124+35	0.0000	0.00	O	|	|	|	|	129+45	0.0000	0.00	O	|	|	|	|
124+40	0.0000	0.00	O	|	|	|	|	129+50	0.0000	0.00	O	|	|	|	|
124+45	0.0000	0.00	O	|	|	|	|	129+55	0.0000	0.00	O	|	|	|	|
124+50	0.0000	0.00	O	|	|	|	|	130+ 0	0.0000	0.00	O	|	|	|	|
124+55	0.0000	0.00	O	|	|	|	|	130+ 5	0.0000	0.00	O	|	|	|	|
125+ 0	0.0000	0.00	O	|	|	|	|	130+10	0.0000	0.00	O	|	|	|	|
125+ 5	0.0000	0.00	O	|	|	|	|	130+15	0.0000	0.00	O	|	|	|	|
125+10	0.0000	0.00	O	|	|	|	|	130+20	0.0000	0.00	O	|	|	|	|
125+15	0.0000	0.00	O	|	|	|	|	130+25	0.0000	0.00	O	|	|	|	|
125+20	0.0000	0.00	O	|	|	|	|	130+30	0.0000	0.00	O	|	|	|	|
125+25	0.0000	0.00	O	|	|	|	|	130+35	0.0000	0.00	O	|	|	|	|
125+30	0.0000	0.00	O	|	|	|	|	130+40	0.0000	0.00	O	|	|	|	|
125+35	0.0000	0.00	O	|	|	|	|	130+45	0.0000	0.00	O	|	|	|	|
125+40	0.0000	0.00	O	|	|	|	|	130+50	0.0000	0.00	O	|	|	|	|
125+45	0.0000	0.00	O	|	|	|	|	130+55	0.0000	0.00	O	|	|	|	|
125+50	0.0000	0.00	O	|	|	|	|	131+ 0	0.0000	0.00	O	|	|	|	|
125+55	0.0000	0.00	O	|	|	|	|	131+ 5	0.0000	0.00	O	|	|	|	|
126+ 0	0.0000	0.00	O	|	|	|	|	131+10	0.0000	0.00	O	|	|	|	|
126+ 5	0.0000	0.00	O	|	|	|	|	131+15	0.0000	0.00	O	|	|	|	|
126+10	0.0000	0.00	O	|	|	|	|	131+20	0.0000	0.00	O	|	|	|	|
126+15	0.0000	0.00	O	|	|	|	|	131+25	0.0000	0.00	O	|	|	|	|
126+20	0.0000	0.00	O	|	|	|	|	131+30	0.0000	0.00	O	|	|	|	|
126+25	0.0000	0.00	O	|	|	|	|	131+35	0.0000	0.00	O	|	|	|	|
126+30	0.0000	0.00	O	|	|	|	|	131+40	0.0000	0.00	O	|	|	|	|
126+35	0.0000	0.00	O	|	|	|	|	131+45	0.0000	0.00	O	|	|	|	|
126+40	0.0000	0.00	O	|	|	|	|	131+50	0.0000	0.00	O	|	|	|	|
126+45	0.0000	0.00	O	|	|	|	|	131+55	0.0000	0.00	O	|	|	|	|
126+50	0.0000	0.00	O	|	|	|	|	132+ 0	0.0000	0.00	O	|	|	|	|
126+55	0.0000	0.00	O	|	|	|	|	132+ 5	0.0000	0.00	O	|	|	|	|
127+ 0	0.0000	0.00	O	|	|	|	|	132+10	0.0000	0.00	O	|	|	|	|
127+ 5	0.0000	0.00	O	|	|	|	|	132+15	0.0000	0.00	O	|	|	|	|
127+10	0.0000	0.00	O	|	|	|	|	132+20	0.0000	0.00	O	|	|	|	|
127+15	0.0000	0.00	O	|	|	|	|	132+25	0.0000	0.00	O	|	|	|	|
127+20	0.0000	0.00	O	|	|	|	|	132+30	0.0000	0.00	O	|	|	|	|
127+25	0.0000	0.00	O	|	|	|	|	132+35	0.0000	0.00	O	|	|	|	|
127+30	0.0000	0.00	O	|	|	|	|	132+40	0.0000	0.00	O	|	|	|	|
127+35	0.0000	0.00	O	|	|	|	|	132+45	0.0000	0.00	O	|	|	|	|
127+40	0.0000	0.00	O	|	|	|	|	132+50	0.0000	0.00	O	|	|	|	|
127+45	0.0000	0.00	O	|	|	|	|	132+55	0.0000	0.00	O	|	|	|	|
127+50	0.0000	0.00	O	|	|	|	|	133+ 0	0.0000	0.00	O	|	|	|	|
127+55	0.0000	0.00	O	|	|	|	|	133+ 5	0.0000	0.00	O	|	|	|	|
128+ 0	0.0000	0.00	O	|	|	|	|	133+10	0.0000	0.00	O	|	|	|	|
128+ 5	0.0000	0.00	O	|	|	|	|	133+15	0.0000	0.00	O	|	|	|	|
128+10	0.0000	0.00	O	|	|	|	|	133+20	0.0000	0.00	O	|	|	|	|
128+15	0.0000	0.00	O	|	|	|	|	133+25	0.0000	0.00	O	|	|	|	|
128+20	0.0000	0.00	O	|	|	|	|	133+30	0.0000	0.00	O	|	|	|	|
128+25	0.0000	0.00	O	|	|	|	|	133+35	0.0000	0.00	O	|	|	|	|
128+30	0.0000	0.00	O	|	|	|	|	133+40	0.0000	0.00	O	|	|	|	|
128+35	0.0000	0.00	O	|	|	|	|	133+45	0.0000	0.00	O	|	|	|	|
128+40	0.0000	0.00	O	|	|	|	|	133+50	0.0000	0.00	O	|	|	|	|
128+45	0.0000	0.00	O	|	|	|	|	133+55	0.0000	0.00	O	|	|	|	|
128+50	0.0000	0.00	O	|	|	|	|	134+ 0	0.0000	0.00	O	|	|	|	|
128+55	0.0000	0.00	O	|	|	|	|	134+ 5	0.0000	0.00	O	|	|	|	|
129+ 0	0.0000	0.00	O	|	|	|	|	134+10	0.0000	0.00	O	|	|	|	|

134+15	0.0000	0.00	O	|	|	|	|
134+20	0.0000	0.00	O	|	|	|	|
134+25	0.0000	0.00	O	|	|	|	|
134+30	0.0000	0.00	O	|	|	|	|
134+35	0.0000	0.00	O	|	|	|	|
134+40	0.0000	0.00	O	|	|	|	|
134+45	0.0000	0.00	O	|	|	|	|
134+50	0.0000	0.00	O	|	|	|	|
134+55	0.0000	0.00	O	|	|	|	|
135+ 0	0.0000	0.00	O	|	|	|	|
135+ 5	0.0000	0.00	O	|	|	|	|
135+10	0.0000	0.00	O	|	|	|	|
135+15	0.0000	0.00	O	|	|	|	|
135+20	0.0000	0.00	O	|	|	|	|
135+25	0.0000	0.00	O	|	|	|	|
135+30	0.0000	0.00	O	|	|	|	|
135+35	0.0000	0.00	O	|	|	|	|
135+40	0.0000	0.00	O	|	|	|	|
135+45	0.0000	0.00	O	|	|	|	|
135+50	0.0000	0.00	O	|	|	|	|
135+55	0.0000	0.00	O	|	|	|	|
136+ 0	0.0000	0.00	O	|	|	|	|
136+ 5	0.0000	0.00	O	|	|	|	|
136+10	0.0000	0.00	O	|	|	|	|
136+15	0.0000	0.00	O	|	|	|	|
136+20	0.0000	0.00	O	|	|	|	|
136+25	0.0000	0.00	O	|	|	|	|
136+30	0.0000	0.00	O	|	|	|	|
136+35	0.0000	0.00	O	|	|	|	|
136+40	0.0000	0.00	O	|	|	|	|
136+45	0.0000	0.00	O	|	|	|	|
136+50	0.0000	0.00	O	|	|	|	|
136+55	0.0000	0.00	O	|	|	|	|
137+ 0	0.0000	0.00	O	|	|	|	|
137+ 5	0.0000	0.00	O	|	|	|	|
137+10	0.0000	0.00	O	|	|	|	|
137+15	0.0000	0.00	O	|	|	|	|
137+20	0.0000	0.00	O	|	|	|	|
137+25	0.0000	0.00	O	|	|	|	|
137+30	0.0000	0.00	O	|	|	|	|
137+35	0.0000	0.00	O	|	|	|	|
137+40	0.0000	0.00	O	|	|	|	|
137+45	0.0000	0.00	O	|	|	|	|
137+50	0.0000	0.00	O	|	|	|	|
137+55	0.0000	0.00	O	|	|	|	|
138+ 0	0.0000	0.00	O	|	|	|	|
138+ 5	0.0000	0.00	O	|	|	|	|
138+10	0.0000	0.00	O	|	|	|	|
138+15	0.0000	0.00	O	|	|	|	|
138+20	0.0000	0.00	O	|	|	|	|
138+25	0.0000	0.00	O	|	|	|	|
138+30	0.0000	0.00	O	|	|	|	|
138+35	0.0000	0.00	O	|	|	|	|
138+40	0.0000	0.00	O	|	|	|	|
138+45	0.0000	0.00	O	|	|	|	|
138+50	0.0000	0.00	O	|	|	|	|
138+55	0.0000	0.00	O	|	|	|	|
139+ 0	0.0000	0.00	O	|	|	|	|
139+ 5	0.0000	0.00	O	|	|	|	|
139+10	0.0000	0.00	O	|	|	|	|
139+15	0.0000	0.00	O	|	|	|	|
139+20	0.0000	0.00	O	|	|	|	|
139+25	0.0000	0.00	O	|	|	|	|
139+30	0.0000	0.00	O	|	|	|	|
139+35	0.0000	0.00	O	|	|	|	|
139+40	0.0000	0.00	O	|	|	|	|
139+45	0.0000	0.00	O	|	|	|	|
139+50	0.0000	0.00	O	|	|	|	|
139+55	0.0000	0.00	O	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 5000
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 93.632 (CFS)
Total volume = 6.143 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

Process from Point/Station 4.200 to Point/Station 4.500
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP4F1006100.rte

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	32.1	64.1	96.2	128.2
0+ 5	0.0755	0.08	Q	|	|	|	|
0+10	0.4939	0.54	Q	|	|	|	|
0+15	1.1294	1.25	Q	|	|	|	|
0+20	1.4436	1.65	Q	|	|	|	|
0+25	1.6018	1.90	Q	|	|	|	|
0+30	1.7150	2.11	Q	|	|	|	|
0+35	1.8558	2.33	Q	|	|	|	|
0+40	1.9990	2.55	Q	|	|	|	|
0+45	2.0542	2.67	Q	|	|	|	|
0+50	2.0866	2.76	Q	|	|	|	|
0+55	2.1089	2.84	Q	|	|	|	|
1+ 0	2.1388	2.92	Q	|	|	|	|
1+ 5	2.2275	3.06	Q	|	|	|	|
1+10	2.3409	3.22	qQ	|	|	|	|
1+15	2.3829	3.31	qQ	|	|	|	|
1+20	2.4077	3.38	qQ	|	|	|	|
1+25	2.4235	3.43	qQ	|	|	|	|
1+30	2.4330	3.47	qQ	|	|	|	|
1+35	2.4377	3.51	qQ	|	|	|	|
1+40	2.4396	3.54	qQ	|	|	|	|
1+45	2.4410	3.57	qQ	|	|	|	|
1+50	2.4422	3.60	qQ	|	|	|	|
1+55	2.4431	3.62	qQ	|	|	|	|
2+ 0	2.4587	3.67	qQ	|	|	|	|

2+ 5	2.5243	3.80	qQ	|	|	|	|	7+15	0.0000	0.01	Q	|	|	|	|
2+10	2.5697	3.90	qQ	|	|	|	|	7+20	0.0000	0.01	Q	|	|	|	|
2+15	2.5800	3.97	qQ	|	|	|	|	7+25	0.0000	0.00	Q	|	|	|	|
2+20	2.6739	4.13	qQ	|	|	|	|	7+30	0.0000	0.00	Q	|	|	|	|
2+25	2.7059	4.22	qQ	|	|	|	|	7+35	0.0000	0.00	Q	|	|	|	|
2+30	2.7236	4.29	qQ	|	|	|	|	7+40	0.0000	0.00	Q	|	|	|	|
2+35	2.7341	4.33	qQ	|	|	|	|	7+45	0.0000	0.00	Q	|	|	|	|
2+40	2.7404	4.36	qQ	|	|	|	|	7+50	0.0000	0.00	Q	|	|	|	|
2+45	2.7610	4.42	qQ	|	|	|	|	7+55	0.0000	0.00	Q	|	|	|	|
2+50	2.8507	4.57	qQ	|	|	|	|	8+ 0	0.0000	0.00	Q	|	|	|	|
2+55	2.9728	4.78	qQ	|	|	|	|	8+ 5	0.0000	0.00	Q	|	|	|	|
3+ 0	3.0179	4.90	qQ	|	|	|	|	8+10	0.0000	0.00	Q	|	|	|	|
3+ 5	3.0440	4.98	qQ	|	|	|	|	8+15	0.0000	0.00	Q	|	|	|	|
3+10	3.1363	5.12	qQ	|	|	|	|	8+20	0.0000	0.00	Q	|	|	|	|
3+15	3.5494	5.61	|Q	|	|	|	|	8+25	0.0000	0.00	Q	|	|	|	|
3+20	4.1093	6.27	|Q	|	|	|	|	8+30	0.0000	0.00	Q	|	|	|	|
3+25	4.3902	6.65	|qQ	|	|	|	|	8+35	0.0000	0.00	Q	|	|	|	|
3+30	4.9882	7.36	|qQ	|	|	|	|	8+40	0.0000	0.00	Q	|	|	|	|
3+35	6.0976	8.65	|qQ	|	|	|	|	8+45	0.0000	0.00	Q	|	|	|	|
3+40	7.3052	10.06	| qQ	|	|	|	|	8+50	0.0000	0.00	Q	|	|	|	|
3+45	8.2802	11.23	| qQ	|	|	|	|	8+55	0.0000	0.00	Q	|	|	|	|
3+50	9.0886	12.22	| qQ	|	|	|	|	9+ 0	0.0000	0.00	Q	|	|	|	|
3+55	9.9633	13.27	| qQ	|	|	|	|	9+ 5	0.0000	0.00	Q	|	|	|	|
4+ 0	10.7187	14.18	| qQ	|	|	|	|	9+10	0.0000	0.00	Q	|	|	|	|
4+ 5	11.5496	15.17	| qQ	|	|	|	|	9+15	0.0000	0.00	Q	|	|	|	|
4+10	12.3487	16.13	| q Q	|	|	|	|	9+20	0.0000	0.00	Q	|	|	|	|
4+15	13.5680	17.55	| qQ	|	|	|	|	9+25	0.0000	0.00	Q	|	|	|	|
4+20	14.9200	19.13	| qQ	|	|	|	|	9+30	0.0000	0.00	Q	|	|	|	|
4+25	16.3427	20.81	| qQ	|	|	|	|	9+35	0.0000	0.00	Q	|	|	|	|
4+30	17.7333	22.45	| q Q	|	|	|	|	9+40	0.0000	0.00	Q	|	|	|	|
4+35	18.8225	23.77	| q Q	|	|	|	|	9+45	0.0000	0.00	Q	|	|	|	|
4+40	19.7766	24.94	| qQ	|	|	|	|	9+50	0.0000	0.00	Q	|	|	|	|
4+45	21.0892	26.47	| q Q	|	|	|	|	9+55	0.0000	0.00	Q	|	|	|	|
4+50	22.4149	28.03	| q Q	|	|	|	|	10+ 0	0.0000	0.00	Q	|	|	|	|
4+55	23.4598	29.30	| q Q|	|	|	|	10+ 5	0.0000	0.00	Q	|	|	|	|
5+ 0	24.3845	30.43	| q Q|	|	|	|	10+10	0.0000	0.00	Q	|	|	|	|
5+ 5	25.9875	32.99	| q Q	|	|	|	|	10+15	0.0000	0.00	Q	|	|	|	|
5+10	29.3026	39.37	| q| Q	|	|	|	10+20	0.0000	0.00	Q	|	|	|	|
5+15	34.7320	50.05	| q Q	|	|	|	10+25	0.0000	0.00	Q	|	|	|	|
5+20	40.1978	61.82	| | q Q|	|	|	10+30	0.0000	0.00	Q	|	|	|	|
5+25	45.1989	74.90	| | q | Q	|	|	10+35	0.0000	0.00	Q	|	|	|	|
5+30	51.2157	94.74	| | q | Q|	|	10+40	0.0000	0.00	Q	|	|	|	|
5+35	56.4322	119.16	| | q | Q	|	10+45	0.0000	0.00	Q	|	|	|	|
5+40	47.7661	128.20	| | q | Q	|	10+50	0.0000	0.00	Q	|	|	|	|
5+45	26.4317	117.23	| q | Q	|	10+55	0.0000	0.00	Q	|	|	|	|
5+50	15.2719	108.90	| q | Q	|	11+ 0	0.0000	0.00	Q	|	|	|	|
5+55	9.6715	101.17	| q | Q	|	11+ 5	0.0000	0.00	Q	|	|	|	|
6+ 0	6.0510	92.59	|q | Q	|	11+10	0.0000	0.00	Q	|	|	|	|
6+ 5	3.5777	64.95	|q | Q	|	11+15	0.0000	0.00	Q	|	|	|	|
6+10	2.0470	35.35	q | Q	|	11+20	0.0000	0.00	Q	|	|	|	|
6+15	1.2284	19.29	q Q |	|	11+25	0.0000	0.00	Q	|	|	|	|
6+20	0.8071	10.61	q Q |	|	11+30	0.0000	0.00	Q	|	|	|	|
6+25	0.4857	5.80	qQ |	|	11+35	0.0000	0.00	Q	|	|	|	|
6+30	0.2296	3.11	Q |	|	11+40	0.0000	0.00	Q	|	|	|	|
6+35	0.0647	1.63	Q |	|	11+45	0.0000	0.00	Q	|	|	|	|
6+40	0.0240	0.87	Q |	|	11+50	0.0000	0.00	Q	|	|	|	|
6+45	0.0139	0.47	Q |	|	11+55	0.0000	0.00	Q	|	|	|	|
6+50	0.0076	0.26	Q |	|	12+ 0	0.0000	0.00	Q	|	|	|	|
6+55	0.0033	0.14	Q |	|	12+ 5	0.0000	0.00	Q	|	|	|	|
7+ 0	0.0010	0.07	Q |	|	12+10	0.0000	0.00	Q	|	|	|	|
7+ 5	0.0000	0.04	Q |	|	12+15	0.0000	0.00	Q	|	|	|	|
7+10	0.0000	0.02	Q |	|	12+20	0.0000	0.00	Q	|	|	|	|

12+25	0.0000	0.00	Q					17+35	0.0000	0.00	Q				
12+30	0.0000	0.00	Q					17+40	0.0000	0.00	Q				
12+35	0.0000	0.00	Q					17+45	0.0000	0.00	Q				
12+40	0.0000	0.00	Q					17+50	0.0000	0.00	Q				
12+45	0.0000	0.00	Q					17+55	0.0000	0.00	Q				
12+50	0.0000	0.00	Q					18+ 0	0.0000	0.00	Q				
12+55	0.0000	0.00	Q					18+ 5	0.0000	0.00	Q				
13+ 0	0.0000	0.00	Q					18+10	0.0000	0.00	Q				
13+ 5	0.0000	0.00	Q					18+15	0.0000	0.00	Q				
13+10	0.0000	0.00	Q					18+20	0.0000	0.00	Q				
13+15	0.0000	0.00	Q					18+25	0.0000	0.00	Q				
13+20	0.0000	0.00	Q					18+30	0.0000	0.00	Q				
13+25	0.0000	0.00	Q					18+35	0.0000	0.00	Q				
13+30	0.0000	0.00	Q					18+40	0.0000	0.00	Q				
13+35	0.0000	0.00	Q					18+45	0.0000	0.00	Q				
13+40	0.0000	0.00	Q					18+50	0.0000	0.00	Q				
13+45	0.0000	0.00	Q					18+55	0.0000	0.00	Q				
13+50	0.0000	0.00	Q					19+ 0	0.0000	0.00	Q				
13+55	0.0000	0.00	Q					19+ 5	0.0000	0.00	Q				
14+ 0	0.0000	0.00	Q					19+10	0.0000	0.00	Q				
14+ 5	0.0000	0.00	Q					19+15	0.0000	0.00	Q				
14+10	0.0000	0.00	Q					19+20	0.0000	0.00	Q				
14+15	0.0000	0.00	Q					19+25	0.0000	0.00	Q				
14+20	0.0000	0.00	Q					19+30	0.0000	0.00	Q				
14+25	0.0000	0.00	Q					19+35	0.0000	0.00	Q				
14+30	0.0000	0.00	Q					19+40	0.0000	0.00	Q				
14+35	0.0000	0.00	Q					19+45	0.0000	0.00	Q				
14+40	0.0000	0.00	Q					19+50	0.0000	0.00	Q				
14+45	0.0000	0.00	Q					19+55	0.0000	0.00	Q				
14+50	0.0000	0.00	Q					20+ 0	0.0000	0.00	Q				
14+55	0.0000	0.00	Q					20+ 5	0.0000	0.00	Q				
15+ 0	0.0000	0.00	Q					20+10	0.0000	0.00	Q				
15+ 5	0.0000	0.00	Q					20+15	0.0000	0.00	Q				
15+10	0.0000	0.00	Q					20+20	0.0000	0.00	Q				
15+15	0.0000	0.00	Q					20+25	0.0000	0.00	Q				
15+20	0.0000	0.00	Q					20+30	0.0000	0.00	Q				
15+25	0.0000	0.00	Q					20+35	0.0000	0.00	Q				
15+30	0.0000	0.00	Q					20+40	0.0000	0.00	Q				
15+35	0.0000	0.00	Q					20+45	0.0000	0.00	Q				
15+40	0.0000	0.00	Q					20+50	0.0000	0.00	Q				
15+45	0.0000	0.00	Q					20+55	0.0000	0.00	Q				
15+50	0.0000	0.00	Q					21+ 0	0.0000	0.00	Q				
15+55	0.0000	0.00	Q					21+ 5	0.0000	0.00	Q				
16+ 0	0.0000	0.00	Q					21+10	0.0000	0.00	Q				
16+ 5	0.0000	0.00	Q					21+15	0.0000	0.00	Q				
16+10	0.0000	0.00	Q					21+20	0.0000	0.00	Q				
16+15	0.0000	0.00	Q					21+25	0.0000	0.00	Q				
16+20	0.0000	0.00	Q					21+30	0.0000	0.00	Q				
16+25	0.0000	0.00	Q					21+35	0.0000	0.00	Q				
16+30	0.0000	0.00	Q					21+40	0.0000	0.00	Q				
16+35	0.0000	0.00	Q					21+45	0.0000	0.00	Q				
16+40	0.0000	0.00	Q					21+50	0.0000	0.00	Q				
16+45	0.0000	0.00	Q					21+55	0.0000	0.00	Q				
16+50	0.0000	0.00	Q					22+ 0	0.0000	0.00	Q				
16+55	0.0000	0.00	Q					22+ 5	0.0000	0.00	Q				
17+ 0	0.0000	0.00	Q					22+10	0.0000	0.00	Q				
17+ 5	0.0000	0.00	Q					22+15	0.0000	0.00	Q				
17+10	0.0000	0.00	Q					22+20	0.0000	0.00	Q				
17+15	0.0000	0.00	Q					22+25	0.0000	0.00	Q				
17+20	0.0000	0.00	Q					22+30	0.0000	0.00	Q				
17+25	0.0000	0.00	Q					22+35	0.0000	0.00	Q				
17+30	0.0000	0.00	Q					22+40	0.0000	0.00	Q				

22+45	0.0000	0.00	Q					27+55	0.0000	0.00	Q				
22+50	0.0000	0.00	Q					28+ 0	0.0000	0.00	Q				
22+55	0.0000	0.00	Q					28+ 5	0.0000	0.00	Q				
23+ 0	0.0000	0.00	Q					28+10	0.0000	0.00	Q				
23+ 5	0.0000	0.00	Q					28+15	0.0000	0.00	Q				
23+10	0.0000	0.00	Q					28+20	0.0000	0.00	Q				
23+15	0.0000	0.00	Q					28+25	0.0000	0.00	Q				
23+20	0.0000	0.00	Q					28+30	0.0000	0.00	Q				
23+25	0.0000	0.00	Q					28+35	0.0000	0.00	Q				
23+30	0.0000	0.00	Q					28+40	0.0000	0.00	Q				
23+35	0.0000	0.00	Q					28+45	0.0000	0.00	Q				
23+40	0.0000	0.00	Q					28+50	0.0000	0.00	Q				
23+45	0.0000	0.00	Q					28+55	0.0000	0.00	Q				
23+50	0.0000	0.00	Q					29+ 0	0.0000	0.00	Q				
23+55	0.0000	0.00	Q					29+ 5	0.0000	0.00	Q				
24+ 0	0.0000	0.00	Q					29+10	0.0000	0.00	Q				
24+ 5	0.0000	0.00	Q					29+15	0.0000	0.00	Q				
24+10	0.0000	0.00	Q					29+20	0.0000	0.00	Q				
24+15	0.0000	0.00	Q					29+25	0.0000	0.00	Q				
24+20	0.0000	0.00	Q					29+30	0.0000	0.00	Q				
24+25	0.0000	0.00	Q					29+35	0.0000	0.00	Q				
24+30	0.0000	0.00	Q					29+40	0.0000	0.00	Q				
24+35	0.0000	0.00	Q					29+45	0.0000	0.00	Q				
24+40	0.0000	0.00	Q					29+50	0.0000	0.00	Q				
24+45	0.0000	0.00	Q					29+55	0.0000	0.00	Q				
24+50	0.0000	0.00	Q					30+ 0	0.0000	0.00	Q				
24+55	0.0000	0.00	Q					30+ 5	0.0000	0.00	Q				
25+ 0	0.0000	0.00	Q					30+10	0.0000	0.00	Q				
25+ 5	0.0000	0.00	Q					30+15	0.0000	0.00	Q				
25+10	0.0000	0.00	Q					30+20	0.0000	0.00	Q				
25+15	0.0000	0.00	Q					30+25	0.0000	0.00	Q				
25+20	0.0000	0.00	Q					30+30	0.0000	0.00	Q				
25+25	0.0000	0.00	Q					30+35	0.0000	0.00	Q				
25+30	0.0000	0.00	Q					30+40	0.0000	0.00	Q				
25+35	0.0000	0.00	Q					30+45	0.0000	0.00	Q				
25+40	0.0000	0.00	Q					30+50	0.0000	0.00	Q				
25+45	0.0000	0.00	Q					30+55	0.0000	0.00	Q				
25+50	0.0000	0.00	Q					31+ 0	0.0000	0.00	Q				
25+55	0.0000	0.00	Q					31+ 5	0.0000	0.00	Q				
26+ 0	0.0000	0.00	Q					31+10	0.0000	0.00	Q				
26+ 5	0.0000	0.00	Q					31+15	0.0000	0.00	Q				
26+10	0.0000	0.00	Q					31+20	0.0000	0.00	Q				
26+15	0.0000	0.00	Q					31+25	0.0000	0.00	Q				
26+20	0.0000	0.00	Q					31+30	0.0000	0.00	Q				
26+25	0.0000	0.00	Q					31+35	0.0000	0.00	Q				
26+30	0.0000	0.00	Q					31+40	0.0000	0.00	Q				
26+35	0.0000	0.00	Q					31+45	0.0000	0.00	Q				
26+40	0.0000	0.00	Q					31+50	0.0000	0.00	Q				
26+45	0.0000	0.00	Q					31+55	0.0000	0.00	Q				
26+50	0.0000	0.00	Q					32+ 0	0.0000	0.00	Q				
26+55	0.0000	0.00	Q					32+ 5	0.0000	0.00	Q				
27+ 0	0.0000	0.00	Q					32+10	0.0000	0.00	Q				
27+ 5	0.0000	0.00	Q					32+15	0.0000	0.00	Q				
27+10	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+50	0.0000	0.00	Q				
27+45	0.0000	0.00	Q					32+55	0.0000	0.00	Q				
27+50	0.0000	0.00	Q					33+ 0	0.0000	0.00	Q				

33+ 5	0.0000	0.00	Q					38+15	0.0000	0.00	Q				
33+10	0.0000	0.00	Q					38+20	0.0000	0.00	Q				
33+15	0.0000	0.00	Q					38+25	0.0000	0.00	Q				
33+20	0.0000	0.00	Q					38+30	0.0000	0.00	Q				
33+25	0.0000	0.00	Q					38+35	0.0000	0.00	Q				
33+30	0.0000	0.00	Q					38+40	0.0000	0.00	Q				
33+35	0.0000	0.00	Q					38+45	0.0000	0.00	Q				
33+40	0.0000	0.00	Q					38+50	0.0000	0.00	Q				
33+45	0.0000	0.00	Q					38+55	0.0000	0.00	Q				
33+50	0.0000	0.00	Q					39+ 0	0.0000	0.00	Q				
33+55	0.0000	0.00	Q					39+ 5	0.0000	0.00	Q				
34+ 0	0.0000	0.00	Q					39+10	0.0000	0.00	Q				
34+ 5	0.0000	0.00	Q					39+15	0.0000	0.00	Q				
34+10	0.0000	0.00	Q					39+20	0.0000	0.00	Q				
34+15	0.0000	0.00	Q					39+25	0.0000	0.00	Q				
34+20	0.0000	0.00	Q					39+30	0.0000	0.00	Q				
34+25	0.0000	0.00	Q					39+35	0.0000	0.00	Q				
34+30	0.0000	0.00	Q					39+40	0.0000	0.00	Q				
34+35	0.0000	0.00	Q					39+45	0.0000	0.00	Q				
34+40	0.0000	0.00	Q					39+50	0.0000	0.00	Q				
34+45	0.0000	0.00	Q					39+55	0.0000	0.00	Q				
34+50	0.0000	0.00	Q					40+ 0	0.0000	0.00	Q				
34+55	0.0000	0.00	Q					40+ 5	0.0000	0.00	Q				
35+ 0	0.0000	0.00	Q					40+10	0.0000	0.00	Q				
35+ 5	0.0000	0.00	Q					40+15	0.0000	0.00	Q				
35+10	0.0000	0.00	Q					40+20	0.0000	0.00	Q				
35+15	0.0000	0.00	Q					40+25	0.0000	0.00	Q				
35+20	0.0000	0.00	Q					40+30	0.0000	0.00	Q				
35+25	0.0000	0.00	Q					40+35	0.0000	0.00	Q				
35+30	0.0000	0.00	Q					40+40	0.0000	0.00	Q				
35+35	0.0000	0.00	Q					40+45	0.0000	0.00	Q				
35+40	0.0000	0.00	Q					40+50	0.0000	0.00	Q				
35+45	0.0000	0.00	Q					40+55	0.0000	0.00	Q				
35+50	0.0000	0.00	Q					41+ 0	0.0000	0.00	Q				
35+55	0.0000	0.00	Q					41+ 5	0.0000	0.00	Q				
36+ 0	0.0000	0.00	Q					41+10	0.0000	0.00	Q				
36+ 5	0.0000	0.00	Q					41+15	0.0000	0.00	Q				
36+10	0.0000	0.00	Q					41+20	0.0000	0.00	Q				
36+15	0.0000	0.00	Q					41+25	0.0000	0.00	Q				
36+20	0.0000	0.00	Q					41+30	0.0000	0.00	Q				
36+25	0.0000	0.00	Q					41+35	0.0000	0.00	Q				
36+30	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+35	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+20	0.0000	0.00	Q				

43+25	0.0000	0.00	Q					48+35	0.0000	0.00	Q				
43+30	0.0000	0.00	Q					48+40	0.0000	0.00	Q				
43+35	0.0000	0.00	Q					48+45	0.0000	0.00	Q				
43+40	0.0000	0.00	Q					48+50	0.0000	0.00	Q				
43+45	0.0000	0.00	Q					48+55	0.0000	0.00	Q				
43+50	0.0000	0.00	Q					49+ 0	0.0000	0.00	Q				
43+55	0.0000	0.00	Q					49+ 5	0.0000	0.00	Q				
44+ 0	0.0000	0.00	Q					49+10	0.0000	0.00	Q				
44+ 5	0.0000	0.00	Q					49+15	0.0000	0.00	Q				
44+10	0.0000	0.00	Q					49+20	0.0000	0.00	Q				
44+15	0.0000	0.00	Q					49+25	0.0000	0.00	Q				
44+20	0.0000	0.00	Q					49+30	0.0000	0.00	Q				
44+25	0.0000	0.00	Q					49+35	0.0000	0.00	Q				
44+30	0.0000	0.00	Q					49+40	0.0000	0.00	Q				
44+35	0.0000	0.00	Q					49+45	0.0000	0.00	Q				
44+40	0.0000	0.00	Q					49+50	0.0000	0.00	Q				
44+45	0.0000	0.00	Q					49+55	0.0000	0.00	Q				
44+50	0.0000	0.00	Q					50+ 0	0.0000	0.00	Q				
44+55	0.0000	0.00	Q					50+ 5	0.0000	0.00	Q				
45+ 0	0.0000	0.00	Q					50+10	0.0000	0.00	Q				
45+ 5	0.0000	0.00	Q					50+15	0.0000	0.00	Q				
45+10	0.0000	0.00	Q					50+20	0.0000	0.00	Q				
45+15	0.0000	0.00	Q					50+25	0.0000	0.00	Q				
45+20	0.0000	0.00	Q					50+30	0.0000	0.00	Q				
45+25	0.0000	0.00	Q					50+35	0.0000	0.00	Q				
45+30	0.0000	0.00	Q					50+40	0.0000	0.00	Q				
45+35	0.0000	0.00	Q					50+45	0.0000	0.00	Q				
45+40	0.0000	0.00	Q					50+50	0.0000	0.00	Q				
45+45	0.0000	0.00	Q					50+55	0.0000	0.00	Q				
45+50	0.0000	0.00	Q					51+ 0	0.0000	0.00	Q				
45+55	0.0000	0.00	Q					51+ 5	0.0000	0.00	Q				
46+ 0	0.0000	0.00	Q					51+10	0.0000	0.00	Q				
46+ 5	0.0000	0.00	Q					51+15	0.0000	0.00	Q				
46+10	0.0000	0.00	Q					51+20	0.0000	0.00	Q				
46+15	0.0000	0.00	Q					51+25	0.0000	0.00	Q				
46+20	0.0000	0.00	Q					51+30	0.0000	0.00	Q				
46+25	0.0000	0.00	Q					51+35	0.0000	0.00	Q				
46+30	0.0000	0.00	Q					51+40	0.0000	0.00	Q				
46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+30	0.0000	0.00	Q				
48+25	0.0000	0.00	Q					53+35	0.0000	0.00	Q				
48+30	0.0000	0.00	Q					53+40	0.0000	0.00	Q				

53+45	0.0000	0.00	Q					58+55	0.0000	0.00	Q				
53+50	0.0000	0.00	Q					59+ 0	0.0000	0.00	Q				
53+55	0.0000	0.00	Q					59+ 5	0.0000	0.00	Q				
54+ 0	0.0000	0.00	Q					59+10	0.0000	0.00	Q				
54+ 5	0.0000	0.00	Q					59+15	0.0000	0.00	Q				
54+10	0.0000	0.00	Q					59+20	0.0000	0.00	Q				
54+15	0.0000	0.00	Q					59+25	0.0000	0.00	Q				
54+20	0.0000	0.00	Q					59+30	0.0000	0.00	Q				
54+25	0.0000	0.00	Q					59+35	0.0000	0.00	Q				
54+30	0.0000	0.00	Q					59+40	0.0000	0.00	Q				
54+35	0.0000	0.00	Q					59+45	0.0000	0.00	Q				
54+40	0.0000	0.00	Q					59+50	0.0000	0.00	Q				
54+45	0.0000	0.00	Q					59+55	0.0000	0.00	Q				
54+50	0.0000	0.00	Q					60+ 0	0.0000	0.00	Q				
54+55	0.0000	0.00	Q					60+ 5	0.0000	0.00	Q				
55+ 0	0.0000	0.00	Q					60+10	0.0000	0.00	Q				
55+ 5	0.0000	0.00	Q					60+15	0.0000	0.00	Q				
55+10	0.0000	0.00	Q					60+20	0.0000	0.00	Q				
55+15	0.0000	0.00	Q					60+25	0.0000	0.00	Q				
55+20	0.0000	0.00	Q					60+30	0.0000	0.00	Q				
55+25	0.0000	0.00	Q					60+35	0.0000	0.00	Q				
55+30	0.0000	0.00	Q					60+40	0.0000	0.00	Q				
55+35	0.0000	0.00	Q					60+45	0.0000	0.00	Q				
55+40	0.0000	0.00	Q					60+50	0.0000	0.00	Q				
55+45	0.0000	0.00	Q					60+55	0.0000	0.00	Q				
55+50	0.0000	0.00	Q					61+ 0	0.0000	0.00	Q				
55+55	0.0000	0.00	Q					61+ 5	0.0000	0.00	Q				
56+ 0	0.0000	0.00	Q					61+10	0.0000	0.00	Q				
56+ 5	0.0000	0.00	Q					61+15	0.0000	0.00	Q				
56+10	0.0000	0.00	Q					61+20	0.0000	0.00	Q				
56+15	0.0000	0.00	Q					61+25	0.0000	0.00	Q				
56+20	0.0000	0.00	Q					61+30	0.0000	0.00	Q				
56+25	0.0000	0.00	Q					61+35	0.0000	0.00	Q				
56+30	0.0000	0.00	Q					61+40	0.0000	0.00	Q				
56+35	0.0000	0.00	Q					61+45	0.0000	0.00	Q				
56+40	0.0000	0.00	Q					61+50	0.0000	0.00	Q				
56+45	0.0000	0.00	Q					61+55	0.0000	0.00	Q				
56+50	0.0000	0.00	Q					62+ 0	0.0000	0.00	Q				
56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				

64+ 5	0.0000	0.00	Q					69+15	0.0000	0.00	Q				
64+10	0.0000	0.00	Q					69+20	0.0000	0.00	Q				
64+15	0.0000	0.00	Q					69+25	0.0000	0.00	Q				
64+20	0.0000	0.00	Q					69+30	0.0000	0.00	Q				
64+25	0.0000	0.00	Q					69+35	0.0000	0.00	Q				
64+30	0.0000	0.00	Q					69+40	0.0000	0.00	Q				
64+35	0.0000	0.00	Q					69+45	0.0000	0.00	Q				
64+40	0.0000	0.00	Q					69+50	0.0000	0.00	Q				
64+45	0.0000	0.00	Q					69+55	0.0000	0.00	Q				
64+50	0.0000	0.00	Q					70+ 0	0.0000	0.00	Q				
64+55	0.0000	0.00	Q					70+ 5	0.0000	0.00	Q				
65+ 0	0.0000	0.00	Q					70+10	0.0000	0.00	Q				
65+ 5	0.0000	0.00	Q					70+15	0.0000	0.00	Q				
65+10	0.0000	0.00	Q					70+20	0.0000	0.00	Q				
65+15	0.0000	0.00	Q					70+25	0.0000	0.00	Q				
65+20	0.0000	0.00	Q					70+30	0.0000	0.00	Q				
65+25	0.0000	0.00	Q					70+35	0.0000	0.00	Q				
65+30	0.0000	0.00	Q					70+40	0.0000	0.00	Q				
65+35	0.0000	0.00	Q					70+45	0.0000	0.00	Q				
65+40	0.0000	0.00	Q					70+50	0.0000	0.00	Q				
65+45	0.0000	0.00	Q					70+55	0.0000	0.00	Q				
65+50	0.0000	0.00	Q					71+ 0	0.0000	0.00	Q				
65+55	0.0000	0.00	Q					71+ 5	0.0000	0.00	Q				
66+ 0	0.0000	0.00	Q					71+10	0.0000	0.00	Q				
66+ 5	0.0000	0.00	Q					71+15	0.0000	0.00	Q				
66+10	0.0000	0.00	Q					71+20	0.0000	0.00	Q				
66+15	0.0000	0.00	Q					71+25	0.0000	0.00	Q				
66+20	0.0000	0.00	Q					71+30	0.0000	0.00	Q				
66+25	0.0000	0.00	Q					71+35	0.0000	0.00	Q				
66+30	0.0000	0.00	Q					71+40	0.0000	0.00	Q				
66+35	0.0000	0.00	Q					71+45	0.0000	0.00	Q				
66+40	0.0000	0.00	Q					71+50	0.0000	0.00	Q				
66+45	0.0000	0.00	Q					71+55	0.0000	0.00	Q				
66+50	0.0000	0.00	Q					72+ 0	0.0000	0.00	Q				
66+55	0.0000	0.00	Q					72+ 5	0.0000	0.00	Q				
67+ 0	0.0000	0.00	Q					72+10	0.0000	0.00	Q				
67+ 5	0.0000	0.00	Q					72+15	0.0000	0.00	Q				
67+10	0.0000	0.00	Q					72+20	0.0000	0.00	Q				
67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+10	0.0000	0.00	Q				
69+ 5	0.0000	0.00	Q					74+15	0.0000	0.00	Q				
69+10	0.0000	0.00	Q					74+20	0.0000	0.00	Q				

74+25	0.0000	0.00	Q					79+35	0.0000	0.00	Q				
74+30	0.0000	0.00	Q					79+40	0.0000	0.00	Q				
74+35	0.0000	0.00	Q					79+45	0.0000	0.00	Q				
74+40	0.0000	0.00	Q					79+50	0.0000	0.00	Q				
74+45	0.0000	0.00	Q					79+55	0.0000	0.00	Q				
74+50	0.0000	0.00	Q					80+ 0	0.0000	0.00	Q				
74+55	0.0000	0.00	Q					80+ 5	0.0000	0.00	Q				
75+ 0	0.0000	0.00	Q					80+10	0.0000	0.00	Q				
75+ 5	0.0000	0.00	Q					80+15	0.0000	0.00	Q				
75+10	0.0000	0.00	Q					80+20	0.0000	0.00	Q				
75+15	0.0000	0.00	Q					80+25	0.0000	0.00	Q				
75+20	0.0000	0.00	Q					80+30	0.0000	0.00	Q				
75+25	0.0000	0.00	Q					80+35	0.0000	0.00	Q				
75+30	0.0000	0.00	Q					80+40	0.0000	0.00	Q				
75+35	0.0000	0.00	Q					80+45	0.0000	0.00	Q				
75+40	0.0000	0.00	Q					80+50	0.0000	0.00	Q				
75+45	0.0000	0.00	Q					80+55	0.0000	0.00	Q				
75+50	0.0000	0.00	Q					81+ 0	0.0000	0.00	Q				
75+55	0.0000	0.00	Q					81+ 5	0.0000	0.00	Q				
76+ 0	0.0000	0.00	Q					81+10	0.0000	0.00	Q				
76+ 5	0.0000	0.00	Q					81+15	0.0000	0.00	Q				
76+10	0.0000	0.00	Q					81+20	0.0000	0.00	Q				
76+15	0.0000	0.00	Q					81+25	0.0000	0.00	Q				
76+20	0.0000	0.00	Q					81+30	0.0000	0.00	Q				
76+25	0.0000	0.00	Q					81+35	0.0000	0.00	Q				
76+30	0.0000	0.00	Q					81+40	0.0000	0.00	Q				
76+35	0.0000	0.00	Q					81+45	0.0000	0.00	Q				
76+40	0.0000	0.00	Q					81+50	0.0000	0.00	Q				
76+45	0.0000	0.00	Q					81+55	0.0000	0.00	Q				
76+50	0.0000	0.00	Q					82+ 0	0.0000	0.00	Q				
76+55	0.0000	0.00	Q					82+ 5	0.0000	0.00	Q				
77+ 0	0.0000	0.00	Q					82+10	0.0000	0.00	Q				
77+ 5	0.0000	0.00	Q					82+15	0.0000	0.00	Q				
77+10	0.0000	0.00	Q					82+20	0.0000	0.00	Q				
77+15	0.0000	0.00	Q					82+25	0.0000	0.00	Q				
77+20	0.0000	0.00	Q					82+30	0.0000	0.00	Q				
77+25	0.0000	0.00	Q					82+35	0.0000	0.00	Q				
77+30	0.0000	0.00	Q					82+40	0.0000	0.00	Q				
77+35	0.0000	0.00	Q					82+45	0.0000	0.00	Q				
77+40	0.0000	0.00	Q					82+50	0.0000	0.00	Q				
77+45	0.0000	0.00	Q					82+55	0.0000	0.00	Q				
77+50	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q				
77+55	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q				
78+ 0	0.0000	0.00	Q					83+10	0.0000	0.00	Q				
78+ 5	0.0000	0.00	Q					83+15	0.0000	0.00	Q				
78+10	0.0000	0.00	Q					83+20	0.0000	0.00	Q				
78+15	0.0000	0.00	Q					83+25	0.0000	0.00	Q				
78+20	0.0000	0.00	Q					83+30	0.0000	0.00	Q				
78+25	0.0000	0.00	Q					83+35	0.0000	0.00	Q				
78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				
79+25	0.0000	0.00	Q					84+35	0.0000	0.00	Q				
79+30	0.0000	0.00	Q					84+40	0.0000	0.00	Q				

84+45	0.0000	0.00	Q					89+55	0.0000	0.00	Q				
84+50	0.0000	0.00	Q					90+ 0	0.0000	0.00	Q				
84+55	0.0000	0.00	Q					90+ 5	0.0000	0.00	Q				
85+ 0	0.0000	0.00	Q					90+10	0.0000	0.00	Q				
85+ 5	0.0000	0.00	Q					90+15	0.0000	0.00	Q				
85+10	0.0000	0.00	Q					90+20	0.0000	0.00	Q				
85+15	0.0000	0.00	Q					90+25	0.0000	0.00	Q				
85+20	0.0000	0.00	Q					90+30	0.0000	0.00	Q				
85+25	0.0000	0.00	Q					90+35	0.0000	0.00	Q				
85+30	0.0000	0.00	Q					90+40	0.0000	0.00	Q				
85+35	0.0000	0.00	Q					90+45	0.0000	0.00	Q				
85+40	0.0000	0.00	Q					90+50	0.0000	0.00	Q				
85+45	0.0000	0.00	Q					90+55	0.0000	0.00	Q				
85+50	0.0000	0.00	Q					91+ 0	0.0000	0.00	Q				
85+55	0.0000	0.00	Q					91+ 5	0.0000	0.00	Q				
86+ 0	0.0000	0.00	Q					91+10	0.0000	0.00	Q				
86+ 5	0.0000	0.00	Q					91+15	0.0000	0.00	Q				
86+10	0.0000	0.00	Q					91+20	0.0000	0.00	Q				
86+15	0.0000	0.00	Q					91+25	0.0000	0.00	Q				
86+20	0.0000	0.00	Q					91+30	0.0000	0.00	Q				
86+25	0.0000	0.00	Q					91+35	0.0000	0.00	Q				
86+30	0.0000	0.00	Q					91+40	0.0000	0.00	Q				
86+35	0.0000	0.00	Q					91+45	0.0000	0.00	Q				
86+40	0.0000	0.00	Q					91+50	0.0000	0.00	Q				
86+45	0.0000	0.00	Q					91+55	0.0000	0.00	Q				
86+50	0.0000	0.00	Q					92+ 0	0.0000	0.00	Q				
86+55	0.0000	0.00	Q					92+ 5	0.0000	0.00	Q				
87+ 0	0.0000	0.00	Q					92+10	0.0000	0.00	Q				
87+ 5	0.0000	0.00	Q					92+15	0.0000	0.00	Q				
87+10	0.0000	0.00	Q					92+20	0.0000	0.00	Q				
87+15	0.0000	0.00	Q					92+25	0.0000	0.00	Q				
87+20	0.0000	0.00	Q					92+30	0.0000	0.00	Q				
87+25	0.0000	0.00	Q					92+35	0.0000	0.00	Q				
87+30	0.0000	0.00	Q					92+40	0.0000	0.00	Q				
87+35	0.0000	0.00	Q					92+45	0.0000	0.00	Q				
87+40	0.0000	0.00	Q					92+50	0.0000	0.00	Q				
87+45	0.0000	0.00	Q					92+55	0.0000	0.00	Q				
87+50	0.0000	0.00	Q					93+ 0	0.0000	0.00	Q				
87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+50	0.0000	0.00	Q				
89+45	0.0000	0.00	Q					94+55	0.0000	0.00	Q				
89+50	0.0000	0.00	Q					95+ 0	0.0000	0.00	Q				

95+ 5	0.0000	0.00	Q					100+15	0.0000	0.00	Q				
95+10	0.0000	0.00	Q					100+20	0.0000	0.00	Q				
95+15	0.0000	0.00	Q					100+25	0.0000	0.00	Q				
95+20	0.0000	0.00	Q					100+30	0.0000	0.00	Q				
95+25	0.0000	0.00	Q					100+35	0.0000	0.00	Q				
95+30	0.0000	0.00	Q					100+40	0.0000	0.00	Q				
95+35	0.0000	0.00	Q					100+45	0.0000	0.00	Q				
95+40	0.0000	0.00	Q					100+50	0.0000	0.00	Q				
95+45	0.0000	0.00	Q					100+55	0.0000	0.00	Q				
95+50	0.0000	0.00	Q					101+ 0	0.0000	0.00	Q				
95+55	0.0000	0.00	Q					101+ 5	0.0000	0.00	Q				
96+ 0	0.0000	0.00	Q					101+10	0.0000	0.00	Q				
96+ 5	0.0000	0.00	Q					101+15	0.0000	0.00	Q				
96+10	0.0000	0.00	Q					101+20	0.0000	0.00	Q				
96+15	0.0000	0.00	Q					101+25	0.0000	0.00	Q				
96+20	0.0000	0.00	Q					101+30	0.0000	0.00	Q				
96+25	0.0000	0.00	Q					101+35	0.0000	0.00	Q				
96+30	0.0000	0.00	Q					101+40	0.0000	0.00	Q				
96+35	0.0000	0.00	Q					101+45	0.0000	0.00	Q				
96+40	0.0000	0.00	Q					101+50	0.0000	0.00	Q				
96+45	0.0000	0.00	Q					101+55	0.0000	0.00	Q				
96+50	0.0000	0.00	Q					102+ 0	0.0000	0.00	Q				
96+55	0.0000	0.00	Q					102+ 5	0.0000	0.00	Q				
97+ 0	0.0000	0.00	Q					102+10	0.0000	0.00	Q				
97+ 5	0.0000	0.00	Q					102+15	0.0000	0.00	Q				
97+10	0.0000	0.00	Q					102+20	0.0000	0.00	Q				
97+15	0.0000	0.00	Q					102+25	0.0000	0.00	Q				
97+20	0.0000	0.00	Q					102+30	0.0000	0.00	Q				
97+25	0.0000	0.00	Q					102+35	0.0000	0.00	Q				
97+30	0.0000	0.00	Q					102+40	0.0000	0.00	Q				
97+35	0.0000	0.00	Q					102+45	0.0000	0.00	Q				
97+40	0.0000	0.00	Q					102+50	0.0000	0.00	Q				
97+45	0.0000	0.00	Q					102+55	0.0000	0.00	Q				
97+50	0.0000	0.00	Q					103+ 0	0.0000	0.00	Q				
97+55	0.0000	0.00	Q					103+ 5	0.0000	0.00	Q				
98+ 0	0.0000	0.00	Q					103+10	0.0000	0.00	Q				
98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				

105+25	0.0000	0.00	Q					110+35	0.0000	0.00	Q				
105+30	0.0000	0.00	Q					110+40	0.0000	0.00	Q				
105+35	0.0000	0.00	Q					110+45	0.0000	0.00	Q				
105+40	0.0000	0.00	Q					110+50	0.0000	0.00	Q				
105+45	0.0000	0.00	Q					110+55	0.0000	0.00	Q				
105+50	0.0000	0.00	Q					111+ 0	0.0000	0.00	Q				
105+55	0.0000	0.00	Q					111+ 5	0.0000	0.00	Q				
106+ 0	0.0000	0.00	Q					111+10	0.0000	0.00	Q				
106+ 5	0.0000	0.00	Q					111+15	0.0000	0.00	Q				
106+10	0.0000	0.00	Q					111+20	0.0000	0.00	Q				
106+15	0.0000	0.00	Q					111+25	0.0000	0.00	Q				
106+20	0.0000	0.00	Q					111+30	0.0000	0.00	Q				
106+25	0.0000	0.00	Q					111+35	0.0000	0.00	Q				
106+30	0.0000	0.00	Q					111+40	0.0000	0.00	Q				
106+35	0.0000	0.00	Q					111+45	0.0000	0.00	Q				
106+40	0.0000	0.00	Q					111+50	0.0000	0.00	Q				
106+45	0.0000	0.00	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.00	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.00	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.00	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.00	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.00	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.00	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.00	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.00	Q					112+35	0.0000	0.00	Q				
107+30	0.0000	0.00	Q					112+40	0.0000	0.00	Q				
107+35	0.0000	0.00	Q					112+45	0.0000	0.00	Q				
107+40	0.0000	0.00	Q					112+50	0.0000	0.00	Q				
107+45	0.0000	0.00	Q					112+55	0.0000	0.00	Q				
107+50	0.0000	0.00	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.00	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.00	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.00	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.00	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.00	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.00	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				

115+45	0.0000	0.00	Q					120+55	0.0000	0.00	Q				
115+50	0.0000	0.00	Q					121+ 0	0.0000	0.00	Q				
115+55	0.0000	0.00	Q					121+ 5	0.0000	0.00	Q				
116+ 0	0.0000	0.00	Q					121+10	0.0000	0.00	Q				
116+ 5	0.0000	0.00	Q					121+15	0.0000	0.00	Q				
116+10	0.0000	0.00	Q					121+20	0.0000	0.00	Q				
116+15	0.0000	0.00	Q					121+25	0.0000	0.00	Q				
116+20	0.0000	0.00	Q					121+30	0.0000	0.00	Q				
116+25	0.0000	0.00	Q					121+35	0.0000	0.00	Q				
116+30	0.0000	0.00	Q					121+40	0.0000	0.00	Q				
116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				
116+40	0.0000	0.00	Q					121+50	0.0000	0.00	Q				
116+45	0.0000	0.00	Q					121+55	0.0000	0.00	Q				
116+50	0.0000	0.00	Q					122+ 0	0.0000	0.00	Q				
116+55	0.0000	0.00	Q					122+ 5	0.0000	0.00	Q				
117+ 0	0.0000	0.00	Q					122+10	0.0000	0.00	Q				
117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				
117+50	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
117+55	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				

126+ 5	0.0000	0.00	Q					131+15	0.0000	0.00	Q				
126+10	0.0000	0.00	Q					131+20	0.0000	0.00	Q				
126+15	0.0000	0.00	Q					131+25	0.0000	0.00	Q				
126+20	0.0000	0.00	Q					131+30	0.0000	0.00	Q				
126+25	0.0000	0.00	Q					131+35	0.0000	0.00	Q				
126+30	0.0000	0.00	Q					131+40	0.0000	0.00	Q				
126+35	0.0000	0.00	Q					131+45	0.0000	0.00	Q				
126+40	0.0000	0.00	Q					131+50	0.0000	0.00	Q				
126+45	0.0000	0.00	Q					131+55	0.0000	0.00	Q				
126+50	0.0000	0.00	Q					132+ 0	0.0000	0.00	Q				
126+55	0.0000	0.00	Q					132+ 5	0.0000	0.00	Q				
127+ 0	0.0000	0.00	Q					132+10	0.0000	0.00	Q				
127+ 5	0.0000	0.00	Q					132+15	0.0000	0.00	Q				
127+10	0.0000	0.00	Q					132+20	0.0000	0.00	Q				
127+15	0.0000	0.00	Q					132+25	0.0000	0.00	Q				
127+20	0.0000	0.00	Q					132+30	0.0000	0.00	Q				
127+25	0.0000	0.00	Q					132+35	0.0000	0.00	Q				
127+30	0.0000	0.00	Q					132+40	0.0000	0.00	Q				
127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				

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136+25       0.0000      0.00  Q         |         |         |         |
136+30       0.0000      0.00  Q         |         |         |         |
136+35       0.0000      0.00  Q         |         |         |         |
136+40       0.0000      0.00  Q         |         |         |         |
136+45       0.0000      0.00  Q         |         |         |         |
136+50       0.0000      0.00  Q         |         |         |         |
136+55       0.0000      0.00  Q         |         |         |         |
137+ 0       0.0000      0.00  Q         |         |         |         |
137+ 5       0.0000      0.00  Q         |         |         |         |
137+10       0.0000      0.00  Q         |         |         |         |
137+15       0.0000      0.00  Q         |         |         |         |
137+20       0.0000      0.00  Q         |         |         |         |
137+25       0.0000      0.00  Q         |         |         |         |
137+30       0.0000      0.00  Q         |         |         |         |
137+35       0.0000      0.00  Q         |         |         |         |
137+40       0.0000      0.00  Q         |         |         |         |
137+45       0.0000      0.00  Q         |         |         |         |
137+50       0.0000      0.00  Q         |         |         |         |
137+55       0.0000      0.00  Q         |         |         |         |
138+ 0       0.0000      0.00  Q         |         |         |         |
138+ 5       0.0000      0.00  Q         |         |         |         |
138+10       0.0000      0.00  Q         |         |         |         |
138+15       0.0000      0.00  Q         |         |         |         |
138+20       0.0000      0.00  Q         |         |         |         |
138+25       0.0000      0.00  Q         |         |         |         |
138+30       0.0000      0.00  Q         |         |         |         |
138+35       0.0000      0.00  Q         |         |         |         |
138+40       0.0000      0.00  Q         |         |         |         |
138+45       0.0000      0.00  Q         |         |         |         |
138+50       0.0000      0.00  Q         |         |         |         |
138+55       0.0000      0.00  Q         |         |         |         |
139+ 0       0.0000      0.00  Q         |         |         |         |
139+ 5       0.0000      0.00  Q         |         |         |         |
139+10       0.0000      0.00  Q         |         |         |         |
139+15       0.0000      0.00  Q         |         |         |         |
139+20       0.0000      0.00  Q         |         |         |         |
139+25       0.0000      0.00  Q         |         |         |         |
139+30       0.0000      0.00  Q         |         |         |         |
139+35       0.0000      0.00  Q         |         |         |         |
139+40       0.0000      0.00  Q         |         |         |         |
139+45       0.0000      0.00  Q         |         |         |         |
139+50       0.0000      0.00  Q         |         |         |         |
139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  5000
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      128.202 (CFS)
                        Total volume =      11.434 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ************************************************************************

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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.500 to Point/Station        4.610
        **** STREAM ROUTING SCS CONVEX METHOD ****
        ________________________________________________________________________
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HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    653.00 (Ft.)
Elevation difference =   20.00 (Ft.)
Slope of channel =  0.030628 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   653.00(Ft.)   Elevation difference =  20.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =    21.678(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =    21.678(CFS)
Normal flow depth in pipe =   12.67(In.)
Flow top width inside pipe =   23.96(In.)
Critical Depth =    1.66(Ft.)
Pipe flow velocity =     12.89(Ft/s)
Travel time through pipe =    0.84 min.


Pipe length  =   653.00(Ft.)   Elevation difference =  20.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =   128.202(CFS)
Given pipe size =     24.00(In.)
NOTE: Normal flow is pressure flow.
The total friction loss through the pipe is     20.000(Ft.)
Pipe friction loss =     16.875(Ft.)
Minor friction loss =      3.121(Ft.)     K-factor =   1.50
Maximum capacity of pipe(s) =   36.37(CFS)
Pipe flow velocity =     11.58(Ft/s)
Travel time through pipe =    0.94 min.


********************** SCS CONVEX CHANNEL ROUTING ********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8719   Travel time =   0.94 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   4.3995
        dt(routing time-step) =   0.82 (min.),   c* =   0.9999

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
              R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------------
           Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       32.1      64.1      96.2     128.2
------------------------------------------------------------------------------
  0+ 5       0.0699      0.08  O         |         |         |         |
  0+10       0.4639      0.54  O         |         |         |         |
  0+15       1.1291      1.25  O         |         |         |         |
  0+20       1.5829      1.65  O         |         |         |         |
  0+25       1.8612      1.90  O         |         |         |         |
  0+30       2.0736      2.11  O         |         |         |         |
  0+35       2.2941      2.33  O         |         |         |         |
```

```
0+40      2.5149      2.55  O         |         |         |         |
0+45      2.6543      2.67  O         |         |         |         |
0+50      2.7500      2.76  O         |         |         |         |
0+55      2.8259      2.84  O         |         |         |         |
1+ 0      2.9038      2.92  O         |         |         |         |
1+ 5      3.0345      3.06  O         |         |         |         |
1+10      3.1962      3.22  OI        |         |         |         |
1+15      3.2976      3.31  |O        |         |         |         |
1+20      3.3670      3.38  |O        |         |         |         |
1+25      3.4218      3.43  |O        |         |         |         |
1+30      3.4663      3.47  |O        |         |         |         |
1+35      3.5032      3.51  |O        |         |         |         |
1+40      3.5349      3.54  |O        |         |         |         |
1+45      3.5639      3.57  |O        |         |         |         |
1+50      3.5913      3.60  |O        |         |         |         |
1+55      3.6176      3.62  |O        |         |         |         |
2+ 0      3.6657      3.67  |O        |         |         |         |
2+ 5      3.7777      3.80  |O        |         |         |         |
2+10      3.8829      3.90  |O        |         |         |         |
2+15      3.9554      3.97  |O        |         |         |         |
2+20      4.1012      4.13  |O        |         |         |         |
2+25      4.2062      4.22  |O        |         |         |         |
2+30      4.2756      4.29  |O        |         |         |         |
2+35      4.3236      4.33  |O        |         |         |         |
2+40      4.3580      4.36  |O        |         |         |         |
2+45      4.4085      4.42  |O        |         |         |         |
2+50      4.5465      4.57  |O        |         |         |         |
2+55      4.7453      4.78  |O        |         |         |         |
3+ 0      4.8793      4.90  |O        |         |         |         |
3+ 5      4.9659      4.98  |O        |         |         |         |
3+10      5.0991      5.12  |O        |         |         |         |
3+15      5.5326      5.61  |O        |         |         |         |
3+20      6.1609      6.27  |O        |         |         |         |
3+25      6.5832      6.65  | O       |         |         |         |
3+30      7.2459      7.36  | O       |         |         |         |
3+35      8.4350      8.65  | O       |         |         |         |
3+40      9.8254     10.06  |  O      |         |         |         |
3+45     11.0383     11.23  |  O      |         |         |         |
3+50     12.0598     12.22  |  O      |         |         |         |
3+55     13.0949     13.27  |   O     |         |         |         |
4+ 0     14.0321     14.18  |   O     |         |         |         |
4+ 5     15.0071     15.17  |   O     |         |         |         |
4+10     15.9754     16.13  |   OI    |         |         |         |
4+15     17.3182     17.55  |    O    |         |         |         |
4+20     18.8743     19.13  |    O    |         |         |         |
4+25     20.5351     20.81  |     O   |         |         |         |
4+30     22.1847     22.45  |     OI  |         |         |         |
4+35     23.5549     23.77  |      O  |         |         |         |
4+40     24.7443     24.94  |      O  |         |         |         |
4+45     26.2202     26.47  |       O |         |         |         |
4+50     27.7774     28.03  |       O |         |         |         |
4+55     29.0900     29.30  |        O|         |         |         |
5+ 0     30.2443     30.43  |        O|         |         |         |
5+ 5     32.5731     32.99  |         O         |         |         |
5+10     36.3667     39.37  |         |OI       |         |         |
5+15     36.3667     50.05  |         |O   I    |         |         |
5+20     36.3667     61.82  |         |O       I|         |         |
5+25     36.3667     74.90  |         |O        |  I      |         |
5+30     36.3667     94.74  |         |O        |        I|         |
5+35     36.3667    119.16  |         |O        |         |      I  |
5+40     36.3667    128.20  |         |O        |         |         I
5+45     36.3667    117.23  |         |O        |         |     I   |
5+50     36.3667    108.90  |         |O        |         |  I      |
5+55     36.3667    101.17  |         |O        |         |I        |
6+ 0     36.3667     92.59  |         |O        |       I |         |
6+ 5     36.3667     64.95  |         |O       I|         |         |
6+10     36.3667     35.35  |         |O        |         |         |
6+15     36.3667     19.29  |     I   |O        |         |         |
6+20     36.3667     10.61  |  I      |O        |         |         |
6+25     36.3667      5.80  |I        |O        |         |         |
6+30     36.3667      3.11  I         |O        |         |         |
6+35     36.3667      1.63  I         |O        |         |         |
6+40     36.3667      0.87  I         |O        |         |         |
6+45     36.3667      0.47  I         |O        |         |         |
6+50     36.3667      0.26  I         |O        |         |         |
6+55     36.3667      0.14  I         |O        |         |         |
7+ 0     36.3667      0.07  I         |O        |         |         |
7+ 5     36.3667      0.04  I         |O        |         |         |
7+10     36.3667      0.02  I         |O        |         |         |
7+15     36.3667      0.01  I         |O        |         |         |
7+20     36.3667      0.01  I         |O        |         |         |
7+25     36.3667      0.00  I         |O        |         |         |
7+30     36.3667      0.00  I         |O        |         |         |
7+35     36.3667      0.00  I         |O        |         |         |
7+40      8.8080      0.00  I O       |         |         |         |
7+45      0.0000      0.00  O         |         |         |         |
-------------------------------------------------------------------------

     Note: For pressure channel flow, the basin storage requirements
     at the headworks of this channel =     4.25 (Ac.Ft)


     ****************************HYDROGRAPH DATA****************************
                  Number of intervals =    93
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       36.367 (CFS)
                  Total volume =      11.183 (Ac.Ft)
            Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
     ***********************************************************************

     ---------------------------------------------------------------------


     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
     Process from Point/Station        4.500 to Point/Station        4.610
     **** STORE OR DELETE CURRENT HYDROGRAPH ****
     _____________________________________________________________________
     Current stream hydrograph of   5.0 minute
     intervals has been stored as stream number 3 with
     a starting time of   0.00 hours and ending time of   6.00 hours
     With a total volume of       6.36(Ac.Ft)
     ****************************HYDROGRAPH DATA****************************
                  Number of intervals =     0
                  Time interval =    0.0 (Min.)
                  Maximum/Peak flow rate =        0.000 (CFS)
                  Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000    36.367     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     6.364     0.000     0.000
     ***********************************************************************
```

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------------------------------------------------------------------------


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.500 to Point/Station        4.610
**** STORE OR DELETE CURRENT HYDROGRAPH ****
________________________________________________________________________
Current stream hydrograph deleted by user.
****************************HYDROGRAPH DATA*****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000    36.367     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     6.364     0.000     0.000
************************************************************************


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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.700 to Point/Station        4.600
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
________________________________________________________________________
********************* HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP4A1006100.rte
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                 P R I N T   O F   S T O R M
               R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
           Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0      104.7     209.4     314.2     418.9
------------------------------------------------------------------------
  0+ 5       2.5005      2.50  Q         |         |         |         |
  0+10      16.8500     16.85  |Q        |         |         |         |
  0+15      27.6016     27.60  | Q       |         |         |         |
  0+20      32.3159     32.32  |  Q      |         |         |         |
  0+25      34.5408     34.54  |  Q      |         |         |         |
  0+30      36.3292     36.33  |  Q      |         |         |         |
  0+35      41.0235     41.02  |  Q      |         |         |         |
  0+40      43.6220     43.62  |   Q     |         |         |         |
  0+45      44.7025     44.70  |   Q     |         |         |         |
  0+50      45.2420     45.24  |   Q     |         |         |         |
  0+55      45.4537     45.45  |   Q     |         |         |         |
  1+ 0      46.3097     46.31  |   Q     |         |         |         |
  1+ 5      50.6673     50.67  |   Q     |         |         |         |
  1+10      53.0835     53.08  |    Q    |         |         |         |
  1+15      54.0252     54.03  |    Q    |         |         |         |
  1+20      54.5087     54.51  |    Q    |         |         |         |
  1+25      54.7136     54.71  |    Q    |         |         |         |
  1+30      54.7882     54.79  |    Q    |         |         |         |
  1+35      54.8390     54.84  |    Q    |         |         |         |
  1+40      54.8739     54.87  |    Q    |         |         |         |
  1+45      54.8834     54.88  |    Q    |         |         |         |
  1+50      54.8834     54.88  |    Q    |         |         |         |
  1+55      54.8834     54.88  |    Q    |         |         |         |
  2+ 0      55.6648     55.66  |    Q    |         |         |         |
  2+ 5      59.1901     59.19  |    Q    |         |         |         |
  2+10      58.0462     58.05  |    Q    |         |         |         |
  2+15      60.9037     60.90  |    Q    |         |         |         |
  2+20      62.8364     62.84  |     Q   |         |         |         |
  2+25      63.4899     63.49  |     Q   |         |         |         |
  2+30      63.8432     63.84  |     Q   |         |         |         |
  2+35      64.0243     64.02  |     Q   |         |         |         |
  2+40      64.0828     64.08  |     Q   |         |         |         |
  2+45      64.8899     64.89  |     Q   |         |         |         |
  2+50      69.2218     69.22  |     Q   |         |         |         |
  2+55      71.6127     71.61  |     Q   |         |         |         |
  3+ 0      72.5449     72.54  |     Q   |         |         |         |
  3+ 5      73.0284     73.03  |     Q   |         |         |         |
  3+10      74.0147     74.01  |      Q  |         |         |         |
  3+15      78.3959     78.40  |      Q  |         |         |         |
  3+20      80.8282     80.83  |      Q  |         |         |         |
  3+25      82.5766     82.58  |      Q  |         |         |         |
  3+30      88.1578     88.16  |       Q |         |         |         |
  3+35      95.8321     95.83  |       Q|         |         |         |
  3+40     103.5269    103.53  |       Q|         |         |         |
  3+45     108.1562    108.16  |        Q|         |         |         |
  3+50     114.1183    114.12  |        Q|         |         |         |
  3+55     118.0535    118.05  |         Q|         |         |         |
  4+ 0     123.6227    123.62  |         Q|         |         |         |
  4+ 5     127.4293    127.43  |         | Q       |         |         |
  4+10     133.7496    133.75  |         | Q       |         |         |
  4+15     141.8216    141.82  |         |  Q      |         |         |
  4+20     150.4885    150.49  |         |   Q     |         |         |
  4+25     159.4831    159.48  |         |    Q    |         |         |
  4+30     167.8521    167.85  |         |     Q   |         |         |
  4+35     172.7448    172.74  |         |     Q   |         |         |
  4+40     179.5884    179.59  |         |      Q  |         |         |
  4+45     187.9065    187.91  |         |      Q  |         |         |
  4+50     195.9015    195.90  |         |       Q |         |         |
  4+55     200.6498    200.65  |         |       Q|         |         |
  5+ 0     207.4536    207.45  |         |       Q|         |         |
  5+ 5     218.8560    218.86  |         |        Q|         |         |
  5+10     247.9499    247.95  |         |         |  Q      |         |
  5+15     285.3105    285.31  |         |         |      Q  |         |
  5+20     317.9261    317.93  |         |         |         Q|         |
  5+25     349.2996    349.30  |         |         |         |  Q      |
  5+30     391.3830    391.38  |         |         |         |      Q  |
  5+35     418.8681    418.87  |         |         |         |         Q
  5+40     280.5364    280.54  |         |         |      Q  |         |
  5+45     159.0974    159.10  |         |         |    Q    |         |
  5+50      93.2791     93.28  |         |       Q |         |         |
  5+55      57.3138     57.31  |         |    Q    |         |         |
  6+ 0      35.4182     35.42  |         |  Q      |         |         |
  6+ 5      22.3378     22.34  |         | Q       |         |         |
  6+10      10.8747     10.87  |         |Q        |         |         |
  6+15       4.5275      4.53  |         Q         |         |         |
  6+20       1.8537      1.85  |         Q         |         |         |
  6+25       0.7712      0.77  |         Q         |         |         |
  6+30       0.3421      0.34  |         Q         |         |         |
  6+35       0.1626      0.16  |         Q         |         |         |
  6+40       0.0629      0.06  |         Q         |         |         |
  6+45       0.0122      0.01  |         Q         |         |         |
------------------------------------------------------------------------
****************************HYDROGRAPH DATA*****************************
                Number of intervals =    81
                Time interval =    5.0 (Min.)
```

```
                Maximum/Peak flow rate =      418.868 (CFS)
                Total volume =      54.439 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000    36.367     0.000     0.000
          Vol (Ac.Ft)      0.000     0.000     6.364     0.000     0.000
     ************************************************************************


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     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
     Process from Point/Station        4.600 to Point/Station        4.600
     **** FLOWBY BASIN ROUTING OR SPLIT FLOW ****
     ________________________________________________________________________
     All flow in excess of     3.90(CFS) is diverted
     into stream number 4
     Total volume of excess flow diverted into flowby
     basin (stream number 4 ) is      52.41(Ac.Ft)
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T   O F   S T O R M
                  R u n o f f     H y d r o g r a p h
     ------------------------------------------------------------------------
               Hydrograph in   5   Minute intervals (CFS)

     ------------------------------------------------------------------------
Time(h+m) Volume(Ac.Ft)   Q(CFS)  0        1.0       2.0       2.9       3.9
------------------------------------------------------------------------
  0+ 5       0.0172      2.50  V         |         |    Q    |         |
  0+10       0.0441      3.90  V         |         |         |         Q
  0+15       0.0709      3.90   V        |         |         |         Q
  0+20       0.0978      3.90  |V        |         |         |         Q
  0+25       0.1247      3.90  | V       |         |         |         Q
  0+30       0.1515      3.90  | V       |         |         |         Q
  0+35       0.1784      3.90  |  V      |         |         |         Q
  0+40       0.2052      3.90  |   V     |         |         |         Q
  0+45       0.2321      3.90  |   V     |         |         |         Q
  0+50       0.2590      3.90  |    V    |         |         |         Q
  0+55       0.2858      3.90  |    V    |         |         |         Q
  1+ 0       0.3127      3.90  |     V   |         |         |         Q
  1+ 5       0.3395      3.90  |     V   |         |         |         Q
  1+10       0.3664      3.90  |      V  |         |         |         Q
  1+15       0.3933      3.90  |      V  |         |         |         Q
  1+20       0.4201      3.90  |       V |         |         |         Q
  1+25       0.4470      3.90  |       V |         |         |         Q
  1+30       0.4738      3.90  |        V|         |         |         Q
  1+35       0.5007      3.90  |        V|         |         |         Q
  1+40       0.5276      3.90  |         V         |         |         Q
  1+45       0.5544      3.90  |         V         |         |         Q
  1+50       0.5813      3.90  |         |V        |         |         Q
  1+55       0.6081      3.90  |         | V       |         |         Q
  2+ 0       0.6350      3.90  |         | V       |         |         Q
  2+ 5       0.6618      3.90  |         |  V      |         |         Q
  2+10       0.6887      3.90  |         |  V      |         |         Q
  2+15       0.7156      3.90  |         |   V     |         |         Q
  2+20       0.7424      3.90  |         |   V     |         |         Q
  2+25       0.7693      3.90  |         |    V    |         |         Q
  2+30       0.7961      3.90  |         |    V    |         |         Q
  2+35       0.8230      3.90  |         |     V   |         |         Q
  2+40       0.8499      3.90  |         |     V   |         |         Q
  2+45       0.8767      3.90  |         |      V  |         |         Q
  2+50       0.9036      3.90  |         |      V  |         |         Q
  2+55       0.9304      3.90  |         |       V |         |         Q
  3+ 0       0.9573      3.90  |         |       V |         |         Q
  3+ 5       0.9842      3.90  |         |        V|         |         Q
  3+10       1.0110      3.90  |         |        V|         |         Q
  3+15       1.0379      3.90  |         |         V         |         Q
  3+20       1.0647      3.90  |         |          V        |         Q
  3+25       1.0916      3.90  |         |          |V       |         Q
  3+30       1.1185      3.90  |         |          | V      |         Q
  3+35       1.1453      3.90  |         |          | V      |         Q
  3+40       1.1722      3.90  |         |          |  V     |         Q
  3+45       1.1990      3.90  |         |          |  V     |         Q
  3+50       1.2259      3.90  |         |          |   V    |         Q
  3+55       1.2528      3.90  |         |          |   V    |         Q
  4+ 0       1.2796      3.90  |         |          |    V   |         Q
  4+ 5       1.3065      3.90  |         |          |    V   |         Q
  4+10       1.3333      3.90  |         |          |     V  |         Q
  4+15       1.3602      3.90  |         |          |     V  |         Q
  4+20       1.3871      3.90  |         |          |      V |         Q
  4+25       1.4139      3.90  |         |          |      V |         Q
  4+30       1.4408      3.90  |         |          |       V|         Q
  4+35       1.4676      3.90  |         |          |       V|         Q
  4+40       1.4945      3.90  |         |          |        V|        Q
  4+45       1.5214      3.90  |         |          |         V        Q
  4+50       1.5482      3.90  |         |          |         V        Q
  4+55       1.5751      3.90  |         |          |          V       Q
  5+ 0       1.6019      3.90  |         |          |          |V      Q
  5+ 5       1.6288      3.90  |         |          |          | V     Q
  5+10       1.6557      3.90  |         |          |          | V     Q
  5+15       1.6825      3.90  |         |          |          |  V    Q
  5+20       1.7094      3.90  |         |          |          |  V    Q
  5+25       1.7362      3.90  |         |          |          |   V   Q
  5+30       1.7631      3.90  |         |          |          |   V   Q
  5+35       1.7899      3.90  |         |          |          |    V  Q
  5+40       1.8168      3.90  |         |          |          |    V  Q
  5+45       1.8437      3.90  |         |          |          |     V Q
  5+50       1.8705      3.90  |         |          |          |     V Q
  5+55       1.8974      3.90  |         |          |          |      VQ
  6+ 0       1.9242      3.90  |         |          |          |      VQ
  6+ 5       1.9511      3.90  |         |          |          |       VQ
  6+10       1.9780      3.90  |         |          |          |       VQ
  6+15       2.0048      3.90  |         |          |          |       VQ
  6+20       2.0176      1.85  |         |          |         Q|       V|
  6+25       2.0229      0.77  |         |        Q |          |       V|
  6+30       2.0253      0.34  |  Q      |          |          |       V|
  6+35       2.0264      0.16  |Q        |          |          |       V|
  6+40       2.0268      0.06  Q         |          |          |       V|
  6+45       2.0269      0.01  Q         |          |          |        V
------------------------------------------------------------------------
     ***************************HYDROGRAPH DATA**************************
                    Number of intervals =    81
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       3.900 (CFS)
                    Total volume =       2.027 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000    36.367   414.968     0.000
          Vol (Ac.Ft)      0.000     0.000     6.364    52.412     0.000
     ************************************************************************

     ------------------------------------------------------------------------
```

++
Process from Point/Station 4.600 to Point/Station 4.610
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 3 the total
volume of 6.36 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.
++

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0 10.1 20.1 30.2 40.3
0+ 5	0.0699	2.57	q Q
0+10	0.4639	4.36	q Q
0+15	1.1291	5.03	q Q
0+20	1.5829	5.48	q Q
0+25	1.8612	5.76	q Q
0+30	2.0736	5.97	q Q
0+35	2.2941	6.19	q Q
0+40	2.5149	6.41	q Q
0+45	2.6543	6.55	q Q
0+50	2.7500	6.65	q Q
0+55	2.8259	6.73	q Q
1+ 0	2.9038	6.80	q Q
1+ 5	3.0345	6.93	q Q
1+10	3.1962	7.10	q Q
1+15	3.2976	7.20	q Q
1+20	3.3670	7.27	q Q
1+25	3.4218	7.32	q Q
1+30	3.4663	7.37	q Q
1+35	3.5032	7.40	q Q
1+40	3.5349	7.43	q Q
1+45	3.5639	7.46	q Q
1+50	3.5913	7.49	q Q
1+55	3.6176	7.52	q Q
2+ 0	3.6657	7.57	q Q
2+ 5	3.7777	7.68	q Q
2+10	3.8829	7.78	q Q
2+15	3.9554	7.86	q Q
2+20	4.1012	8.00	q Q
2+25	4.2062	8.11	q Q
2+30	4.2756	8.18	q Q
2+35	4.3236	8.22	q Q
2+40	4.3580	8.26	q Q
2+45	4.4085	8.31	q Q
2+50	4.5465	8.45	q Q
2+55	4.7453	8.65	q Q
3+ 0	4.8793	8.78	q Q
3+ 5	4.9659	8.87	q Q
3+10	5.0991	9.00	q Q
3+15	5.5326	9.43	q Q
3+20	6.1609	10.06	q Q
3+25	6.5832	10.48	q Q
3+30	7.2459	11.15	q Q
3+35	8.4350	12.33	q Q
3+40	9.8254	13.73	q Q
3+45	11.0383	14.94	q Q
3+50	12.0598	15.96	q Q
3+55	13.0949	16.99	q Q
4+ 0	14.0321	17.93	q Q
4+ 5	15.0071	18.91	q Q
4+10	15.9754	19.88	q Q
4+15	17.3182	21.22	q Q
4+20	18.8743	22.77	q Q
4+25	20.5351	24.44	q Q
4+30	22.1847	26.08	q Q
4+35	23.5549	27.45	q Q
4+40	24.7443	28.64	q Q
4+45	26.2202	30.12	q Q
4+50	27.7774	31.68	q Q
4+55	29.0900	32.99	q Q
5+ 0	30.2443	34.14	q Q
5+ 5	32.5731	36.47	q Q
5+10	36.3667	40.27	q Q
5+15	36.3667	40.27	q Q
5+20	36.3667	40.27	q Q
5+25	36.3667	40.27	q Q
5+30	36.3667	40.27	q Q
5+35	36.3667	40.27	q Q
5+40	36.3667	40.27	q Q
5+45	36.3667	40.27	q Q
5+50	36.3667	40.27	q Q
5+55	36.3667	40.27	q Q
6+ 0	36.3667	40.27	q Q
6+ 5	0.0000	3.90	q Q
6+10	0.0000	3.90	q Q
6+15	0.0000	3.90	q Q
6+20	0.0000	1.85	qQ
6+25	0.0000	0.77	Q
6+30	0.0000	0.34	Q
6+35	0.0000	0.16	Q
6+40	0.0000	0.06	Q
6+45	0.0000	0.01	Q
6+50	0.0000	0.00	Q
6+55	0.0000	0.00	Q
7+ 0	0.0000	0.00	Q
7+ 5	0.0000	0.00	Q
7+10	0.0000	0.00	Q
7+15	0.0000	0.00	Q
7+20	0.0000	0.00	Q
7+25	0.0000	0.00	Q
7+30	0.0000	0.00	Q
7+35	0.0000	0.00	Q
7+40	0.0000	0.00	Q
7+45	0.0000	0.00	Q
7+50	0.0000	0.00	Q

**********HYDROGRAPH DATA**********
Number of intervals = 94
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 40.267 (CFS)
Total volume = 8.391 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	414.968	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	52.412	0.000

****

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.610 to Point/Station        4.800
**** STREAM ROUTING SCS CONVEX METHOD ****
________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =     54.00 (Ft.)
Elevation difference =    2.00 (Ft.)
Slope of channel =  0.037037 (Vert/Horiz)
Channel type - Pipe


Pipe length  =    54.00(Ft.)   Elevation difference =   2.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =    16.715(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    16.715(CFS)
Normal flow depth in pipe =   12.48(In.)
Flow top width inside pipe =   16.60(In.)
Critical depth could not be calculated.
Pipe flow velocity =     12.78(Ft/s)
Travel time through pipe =    0.07 min.


Pipe length  =    54.00(Ft.)   Elevation difference =   2.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =    40.267(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    40.267(CFS)
Normal flow depth in pipe =   18.23(In.)
Flow top width inside pipe =   20.51(In.)
Critical depth could not be calculated.
Pipe flow velocity =     15.73(Ft/s)
Travel time through pipe =    0.06 min.


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.9025   Travel time =   0.06 (min.)
        dt*(unit time interval) =   5.00(min.),  e=  64.9012
        dt(routing time-step) =   0.05 (min.),   c* =   1.0000

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
             R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       10.1      20.1      30.2      40.3
------------------------------------------------------------------------
  0+ 5       2.5438      2.57  | O       |         |         |         |
  0+10       4.3453      4.36  |   O     |         |         |         |
  0+15       5.0223      5.03  |   O     |         |         |         |
  0+20       5.4782      5.48  |    O    |         |         |         |
  0+25       5.7583      5.76  |    O    |         |         |         |
  0+30       5.9714      5.97  |    O    |         |         |         |
  0+35       6.1918      6.19  |     O   |         |         |         |
  0+40       6.4126      6.41  |     O   |         |         |         |
  0+45       6.5528      6.55  |     O   |         |         |         |
  0+50       6.6490      6.65  |     O   |         |         |         |
  0+55       6.7251      6.73  |     O   |         |         |         |
  1+ 0       6.8030      6.80  |     O   |         |         |         |
  1+ 5       6.9331      6.93  |     O   |         |         |         |
  1+10       7.0945      7.10  |      O  |         |         |         |
  1+15       7.1965      7.20  |      O  |         |         |         |
  1+20       7.2663      7.27  |      O  |         |         |         |
  1+25       7.3212      7.32  |      O  |         |         |         |
  1+30       7.3659      7.37  |      O  |         |         |         |
  1+35       7.4028      7.40  |      O  |         |         |         |
  1+40       7.4346      7.43  |      O  |         |         |         |
  1+45       7.4636      7.46  |      O  |         |         |         |
  1+50       7.4910      7.49  |      O  |         |         |         |
  1+55       7.5173      7.52  |      O  |         |         |         |
  2+ 0       7.5652      7.57  |      O  |         |         |         |
  2+ 5       7.6765      7.68  |      O  |         |         |         |
  2+10       7.7818      7.78  |      O  |         |         |         |
  2+15       7.8547      7.86  |      O  |         |         |         |
  2+20       7.9997      8.00  |      O  |         |         |         |
  2+25       8.1052      8.11  |       O |         |         |         |
  2+30       8.1749      8.18  |       O |         |         |         |
  2+35       8.2231      8.22  |       O |         |         |         |
  2+40       8.2577      8.26  |       O |         |         |         |
  2+45       8.3079      8.31  |       O |         |         |         |
  2+50       8.4451      8.45  |       O |         |         |         |
  2+55       8.6432      8.65  |       O |         |         |         |
  3+ 0       8.7779      8.78  |       O |         |         |         |
  3+ 5       8.8650      8.87  |       O |         |         |         |
  3+10       8.9978      9.00  |       O |         |         |         |
  3+15       9.4282      9.43  |        O|         |         |         |
  3+20      10.0544     10.06  |        O|         |         |         |
  3+25      10.4789     10.48  |         O         |         |         |
  3+30      11.1391     11.15  |         |O        |         |         |
  3+35      12.3227     12.33  |         | O       |         |         |
  3+40      13.7110     13.73  |         |  O      |         |         |
  3+45      14.9258     14.94  |         |   O     |         |         |
  3+50      15.9492     15.96  |         |    O    |         |         |
  3+55      16.9842     16.99  |         |     O   |         |         |
  4+ 0      17.9224     17.93  |         |      O  |         |         |
  4+ 5      18.8971     18.91  |         |       O |         |         |
  4+10      19.8654     19.88  |         |        O|         |         |
  4+15      21.2043     21.22  |         |         |O        |         |
  4+20      22.7582     22.77  |         |         | O       |         |
  4+25      24.4180     24.44  |         |         |   O     |         |
  4+30      26.0677     26.08  |         |         |    O    |         |
  4+35      27.4408     27.45  |         |         |     O   |         |
  4+40      28.6320     28.64  |         |         |      O  |         |
  4+45      30.1049     30.12  |         |         |       O|         |
  4+50      31.6613     31.68  |         |         |        |O        |
  4+55      32.9764     32.99  |         |         |        | O       |
  5+ 0      34.1324     34.14  |         |         |        |  O      |
  5+ 5      36.4490     36.47  |         |         |        |     O   |
  5+10      40.2275     40.27  |         |         |        |        OI
  5+15      40.2667     40.27  |         |         |        |         O
  5+20      40.2667     40.27  |         |         |        |         O
```

```
   5+25      40.2667     40.27  |          |          |          |          O
   5+30      40.2667     40.27  |          |          |          |          O
   5+35      40.2667     40.27  |          |          |          |          O
   5+40      40.2667     40.27  |          |          |          |          O
   5+45      40.2667     40.27  |          |          |          |          O
   5+50      40.2667     40.27  |          |          |          |          O
   5+55      40.2667     40.27  |          |          |          |          O
   6+ 0      40.2667     40.27  |          |          |          |          O
   6+ 5       4.2755      3.90  |  IO      |          |          |          |
   6+10       3.9000      3.90  |  O       |          |          |          |
   6+15       3.9000      3.90  |  O       |          |          |          |
   6+20       1.8749      1.85  |O         |          |          |          |
   6+25       0.7824      0.77  O          |          |          |          |
   6+30       0.3466      0.34  O          |          |          |          |
   6+35       0.1644      0.16  O          |          |          |          |
   6+40       0.0640      0.06  O          |          |          |          |
   6+45       0.0128      0.01  O          |          |          |          |
   6+50       0.0001      0.00  O          |          |          |          |
   6+55       0.0000      0.00  O          |          |          |          |
   7+ 0       0.0000      0.00  O          |          |          |          |
   7+ 5       0.0000      0.00  O          |          |          |          |
   7+10       0.0000      0.00  O          |          |          |          |
   7+15       0.0000      0.00  O          |          |          |          |
   7+20       0.0000      0.00  O          |          |          |          |
   7+25       0.0000      0.00  O          |          |          |          |
   7+30       0.0000      0.00  O          |          |          |          |
   7+35       0.0000      0.00  O          |          |          |          |
   7+40       0.0000      0.00  O          |          |          |          |
   7+45       0.0000      0.00  O          |          |          |          |
   7+50       0.0000      0.00  O          |          |          |          |
   7+55       0.0000      0.00  O          |          |          |          |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    95
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       40.267 (CFS)
                    Total volume =       8.391 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000   414.968     0.000
              Vol (Ac.Ft)     0.000     0.000     0.000    52.412     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.610 to Point/Station        4.800
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        _____________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 5 with
        a starting time of   0.00 hours and ending time of   6.00 hours
        With a total volume of       8.29(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000   414.968    40.267
              Vol (Ac.Ft)     0.000     0.000     0.000    52.412     8.285
        ***********************************************************************

        ---------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.810 to Point/Station        4.820
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP4B1006100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        5.4      10.8      16.2      21.6
---------------------------------------------------------------------------
  0+ 5       0.0981      0.10  Q          |          |          |          |
  0+10       0.2498      0.25  Q          |          |          |          |
  0+15       0.2974      0.30  Q          |          |          |          |
  0+20       0.3057      0.31  Q          |          |          |          |
  0+25       0.3066      0.31  Q          |          |          |          |
  0+30       0.3262      0.33  Q          |          |          |          |
  0+35       0.3526      0.35  Q          |          |          |          |
  0+40       0.3568      0.36  Q          |          |          |          |
  0+45       0.3577      0.36  Q          |          |          |          |
  0+50       0.3577      0.36  Q          |          |          |          |
  0+55       0.3577      0.36  Q          |          |          |          |
  1+ 0       0.3773      0.38  Q          |          |          |          |
  1+ 5       0.4037      0.40  Q          |          |          |          |
  1+10       0.4079      0.41  Q          |          |          |          |
  1+15       0.4087      0.41  Q          |          |          |          |
  1+20       0.4087      0.41  Q          |          |          |          |
  1+25       0.4087      0.41  Q          |          |          |          |
  1+30       0.4087      0.41  Q          |          |          |          |
  1+35       0.4087      0.41  Q          |          |          |          |
  1+40       0.4087      0.41  Q          |          |          |          |
  1+45       0.4087      0.41  Q          |          |          |          |
```

1+50	0.4087	0.41	Q				
1+55	0.4087	0.41	Q				
2+ 0	0.5186	0.52	Q				
2+ 5	0.5566	0.56	Q				
2+10	0.5423	0.54	Q				
2+15	0.6710	0.67	Q				
2+20	0.6902	0.69	Q				
2+25	0.6948	0.69	Q				
2+30	0.6948	0.69	Q				
2+35	0.6948	0.69	Q				
2+40	0.6948	0.69	Q				
2+45	0.8909	0.89	Q				
2+50	1.1551	1.16	Q				
2+55	1.1976	1.20	Q				
3+ 0	1.2057	1.21	Q				
3+ 5	1.2057	1.21	Q				
3+10	1.4018	1.40	Q				
3+15	1.6660	1.67	Q				
3+20	1.7085	1.71	Q				
3+25	1.9128	1.91	Q				
3+30	2.3731	2.37	Q				
3+35	2.8759	2.88	Q				
3+40	3.1907	3.19	Q				
3+45	3.4375	3.44	Q				
3+50	3.7098	3.71	Q				
3+55	3.9484	3.95	Q				
4+ 0	4.2207	4.22	Q				
4+ 5	4.4593	4.46	Q				
4+10	4.9278	4.93	Q				
4+15	5.4306	5.43	Q				
4+20	5.9416	5.94	Q				
4+25	6.4525	6.45	Q				
4+30	6.7673	6.77	Q				
4+35	7.0140	7.01	Q				
4+40	7.4825	7.48	Q				
4+45	7.9853	7.99	Q				
4+50	8.3001	8.30	Q				
4+55	8.5468	8.55	Q				
5+ 0	9.0153	9.02	Q				
5+ 5	10.3027	10.30	Q				
5+10	12.6550	12.65	Q				
5+15	14.7849	14.78	Q				
5+20	16.4189	16.42	Q				
5+25	18.3603	18.36	Q				
5+30	21.5984	21.60	Q				
5+35	16.9550	16.95	Q				
5+40	5.6418	5.64	Q				
5+45	1.3517	1.35	Q				
5+50	0.4065	0.41	Q				
5+55	0.2275	0.23	Q				
6+ 0	0.1446	0.14	Q				
6+ 5	0.0696	0.07	Q				
6+10	0.0109	0.01	Q				
6+15	0.0016	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 75
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 21.598 (CFS)
Total volume = 1.731 (Ac.Ft)

Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS)	0.000	0.000	0.000	414.968	40.267
Vol (Ac.Ft)	0.000	0.000	0.000	52.412	8.285

Process from Point/Station 4.820 to Point/Station 4.600
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 4 the total
volume of 52.41 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	108.0	216.0	323.9	431.9
0+ 5	0.0000	0.10	Q				
0+10	12.9500	13.20	Q				
0+15	23.7016	24.00	Q				
0+20	28.4159	28.72	Q				
0+25	30.6408	30.95	Q				
0+30	32.4292	32.76	Q				
0+35	37.1235	37.48	Q				
0+40	39.7220	40.08	Q				
0+45	40.8025	41.16	Q				
0+50	41.3420	41.70	Q				
0+55	41.5537	41.91	Q				
1+ 0	42.4097	42.79	Q				
1+ 5	46.7673	47.17	Q				
1+10	49.1835	49.59	Q				
1+15	50.1252	50.53	Q				
1+20	50.6087	51.02	Q				
1+25	50.8136	51.22	Q				
1+30	50.8882	51.30	Q				
1+35	50.9390	51.35	Q				
1+40	50.9739	51.38	Q				
1+45	50.9834	51.39	Q				
1+50	50.9834	51.39	Q				
1+55	50.9834	51.39	Q				
2+ 0	51.7648	52.28	Q				
2+ 5	55.2901	55.85	Q				
2+10	54.1462	54.69	Q				
2+15	57.0037	57.67	Q				
2+20	58.9364	59.63	Q				
2+25	59.5899	60.28	Q				
2+30	59.9432	60.64	Q				
2+35	60.1243	60.82	Q				
2+40	60.1828	60.88	Q				
2+45	60.9899	61.88	Q				
2+50	65.3218	66.48	Q				
2+55	67.7127	68.91	Q				
3+ 0	68.6449	69.85	Q				
3+ 5	69.1284	70.33	Q				
3+10	70.1147	71.52	Q				

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   3+15      74.4959     76.16  |     qQ  |         |         |         |
   3+20      76.9282     78.64  |      Q  |         |         |         |
   3+25      78.6766     80.59  |      Q  |         |         |         |
   3+30      84.2578     86.63  |      qQ |         |         |         |
   3+35      91.9321     94.81  |       Q |         |         |         |
   3+40      99.6269    102.82  |        Q|         |         |         |
   3+45     104.2562    107.69  |        Q|         |         |         |
   3+50     110.2183    113.93  |         Q         |         |         |
   3+55     114.1535    118.10  |         Q         |         |         |
   4+ 0     119.7227    123.94  |         |Q        |         |         |
   4+ 5     123.5293    127.99  |         |Q        |         |         |
   4+10     129.8496    134.78  |         | Q       |         |         |
   4+15     137.9216    143.35  |         | qQ      |         |         |
   4+20     146.5885    152.53  |         |  qQ     |         |         |
   4+25     155.5831    162.04  |         |   qQ    |         |         |
   4+30     163.9521    170.72  |         |    Q    |         |         |
   4+35     168.8448    175.86  |         |    qQ   |         |         |
   4+40     175.6884    183.17  |         |     Q   |         |         |
   4+45     184.0065    191.99  |         |      Q  |         |         |
   4+50     192.0015    200.30  |         |      qQ |         |         |
   4+55     196.7498    205.30  |         |       qQ|         |         |
   5+ 0     203.5536    212.57  |         |       qQ|         |         |
   5+ 5     214.9560    225.26  |         |        qQ         |         |
   5+10     244.0499    256.70  |         |         | qQ      |         |
   5+15     281.4105    296.20  |         |         |    qQ   |         |
   5+20     314.0261    330.45  |         |         |       qQ|         |
   5+25     345.3996    363.76  |         |         |         |q Q      |
   5+30     387.4830    409.08  |         |         |         |    q Q  |
   5+35     414.9681    431.92  |         |         |         |       q Q
   5+40     276.6364    282.28  |         |         |    qQ   |         |
   5+45     155.1974    156.55  |         |   Q     |         |         |
   5+50      89.3791     89.79  |        Q|         |         |         |
   5+55      53.4138     53.64  |   Q     |         |         |         |
   6+ 0      31.5182     31.66  | Q       |         |         |         |
   6+ 5      18.4378     18.51  |Q        |         |         |         |
   6+10       6.9747      6.99  Q         |         |         |         |
   6+15       0.6275      0.63  Q         |         |         |         |
   6+20       0.0000      0.00  Q         |         |         |         |
   6+25       0.0000      0.00  Q         |         |         |         |
   6+30       0.0000      0.00  Q         |         |         |         |
   6+35       0.0000      0.00  Q         |         |         |         |
   6+40       0.0000      0.00  Q         |         |         |         |
   6+45       0.0000      0.00  Q         |         |         |         |
   6+50       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    82
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      431.923 (CFS)
                    Total volume =      54.143 (Ac.Ft)
             Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000     0.000     0.000     0.000    40.267
             Vol (Ac.Ft)     0.000     0.000     0.000     0.000     8.285
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.820 to Point/Station        4.600
      **** RETARDING BASIN ROUTING ****
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User entry of depth-outflow-storage data
-----------------------------------------------------------------------
Total number of inflow hydrograph intervals = 82
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
-----------------------------------------------------------------------
-----------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
-----------------------------------------------------------------------
-----------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
      (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
-----------------------------------------------------------------------
  0.000      0.000      0.000      0.000       0.000
  1.000      1.289      0.440      1.287       1.291
  2.000      2.686      0.650      2.684       2.688
  3.000      4.190      0.800      4.187       4.193
  5.000      7.522      1.040      7.518       7.526
  6.000      9.358      1.150      9.354       9.362
  7.000     11.310      1.240     11.306      11.314
  8.000     13.381      1.330     13.376      13.386
  9.000     15.571      1.410     15.566      15.576
 10.000     17.884      1.490     17.879      17.889
 11.000     20.321      1.560     20.316      20.326
 12.000     22.886      1.630     22.880      22.892
 13.000     25.542      1.700     25.536      25.548
 14.000     28.253      1.760     28.247      28.259
 15.000     31.104      1.820     31.098      31.110
 16.000     34.179     28.620     34.080      34.278
 17.000     37.445     48.260     37.279      37.611
 18.000     40.867     61.790     40.654      41.080
 19.000     44.460    131.050     44.009      44.911
 20.000     48.242    247.070     47.391      49.093
-----------------------------------------------------------------------
                Hydrograph Detention Basin Routing
-----------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
-----------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0      108.0  215.96  323.94  431.92 (Ft.)
 0.083   0.10    0.00      0.000  O       |       |       |       |     0.00
 0.167  13.20    0.02      0.046  O       |       |       |       |     0.04
 0.250  24.00    0.06      0.174  OI      |       |       |       |     0.13
 0.333  28.72    0.12      0.355  O I     |       |       |       |     0.28
 0.417  30.95    0.19      0.559  O I     |       |       |       |     0.43
 0.500  32.76    0.27      0.777  O I     |       |       |       |     0.60
 0.583  37.48    0.35      1.017  O I     |       |       |       |     0.79
 0.667  40.08    0.44      1.281  O I     |       |       |       |     0.99
 0.750  41.16    0.48      1.558  O  I    |       |       |       |     1.19
 0.833  41.70    0.52      1.840  O  I    |       |       |       |     1.39
 0.917  41.91    0.57      2.124  O  I    |       |       |       |     1.60
 1.000  42.79    0.61      2.411  O  I    |       |       |       |     1.80
 1.083  47.17    0.65      2.717  O  I    |       |       |       |     2.02
 1.167  49.59    0.69      3.045  O  I    |       |       |       |     2.24
 1.250  50.53    0.72      3.385  O  I    |       |       |       |     2.46
 1.333  51.02    0.75      3.730  O  I    |       |       |       |     2.69
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1.417	51.22	0.79	4.077	O I	|	|	|	|	2.92	6.583	0.00	60.45	40.528	I O	|	|	|	|	17.90
1.500	51.30	0.82	4.424	O I	|	|	|	|	3.14	6.667	0.00	58.82	40.117	I O	|	|	|	|	17.78
1.583	51.35	0.84	4.772	O I	|	|	|	|	3.35	6.750	0.00	57.24	39.717	I O	|	|	|	|	17.66
1.667	51.38	0.87	5.120	O I	|	|	|	|	3.56	6.833	0.00	55.71	39.328	I O	|	|	|	|	17.55
1.750	51.39	0.89	5.468	O I	|	|	|	|	3.77	6.917	0.00	54.21	38.950	I O	|	|	|	|	17.44
1.833	51.39	0.92	5.815	O I	|	|	|	|	3.98	7.000	0.00	52.75	38.581	I O	|	|	|	|	17.33
1.917	51.39	0.94	6.163	O I	|	|	|	|	4.18	7.083	0.00	51.34	38.223	I O	|	|	|	|	17.23
2.000	52.28	0.97	6.513	O I	|	|	|	|	4.39	7.167	0.00	49.96	37.874	I O	|	|	|	|	17.13
2.083	55.85	0.99	6.879	O I	|	|	|	|	4.61	7.250	0.00	48.61	37.535	I O	|	|	|	|	17.03
2.167	54.69	1.02	7.253	O I	|	|	|	|	4.84	7.333	0.00	46.82	37.206	I O	|	|	|	|	16.93
2.250	57.67	1.05	7.632	O I	|	|	|	|	5.06	7.417	0.00	44.92	36.890	I O	|	|	|	|	16.83
2.333	59.63	1.07	8.029	O I	|	|	|	|	5.28	7.500	0.00	43.10	36.587	I O	|	|	|	|	16.74
2.417	60.28	1.09	8.435	O I	|	|	|	|	5.50	7.583	0.00	41.35	36.296	I O	|	|	|	|	16.65
2.500	60.64	1.12	8.843	O I	|	|	|	|	5.72	7.667	0.00	39.67	36.017	I O	|	|	|	|	16.56
2.583	60.82	1.14	9.254	O I	|	|	|	|	5.94	7.750	0.00	38.06	35.750	I O	|	|	|	|	16.48
2.667	60.88	1.16	9.665	O I	|	|	|	|	6.16	7.833	0.00	36.52	35.493	I O	|	|	|	|	16.40
2.750	61.88	1.18	10.080	O I	|	|	|	|	6.37	7.917	0.00	35.04	35.246	I O	|	|	|	|	16.33
2.833	66.48	1.20	10.513	O I	|	|	|	|	6.59	8.000	0.00	33.62	35.010	I O	|	|	|	|	16.25
2.917	68.91	1.22	10.971	O I	|	|	|	|	6.83	8.083	0.00	32.25	34.783	I O	|	|	|	|	16.18
3.000	69.85	1.25	11.440	O I	|	|	|	|	7.06	8.167	0.00	30.94	34.565	I O	|	|	|	|	16.12
3.083	70.33	1.27	11.915	O I	|	|	|	|	7.29	8.250	0.00	29.69	34.357	I O	|	|	|	|	16.05
3.167	71.52	1.29	12.394	O I	|	|	|	|	7.52	8.333	0.00	28.42	34.157	I O	|	|	|	|	15.99
3.250	76.16	1.31	12.894	O I	|	|	|	|	7.76	8.417	0.00	26.77	33.966	IO	|	|	|	|	15.93
3.333	78.64	1.33	13.418	O I	|	|	|	|	8.02	8.500	0.00	25.21	33.788	IO	|	|	|	|	15.87
3.417	80.59	1.35	13.957	O I	|	|	|	|	8.26	8.583	0.00	23.74	33.619	IO	|	|	|	|	15.82
3.500	86.63	1.37	14.523	O I	|	|	|	|	8.52	8.667	0.00	22.36	33.460	IO	|	|	|	|	15.77
3.583	94.81	1.39	15.139	O I	|	|	|	|	8.80	8.750	0.00	21.05	33.311	IO	|	|	|	|	15.72
3.667	102.82	1.42	15.809	O I	|	|	|	|	9.10	8.833	0.00	19.83	33.170	IO	|	|	|	|	15.67
3.750	107.69	1.44	16.524	O I	|	|	|	|	9.41	8.917	0.00	18.67	33.037	IO	|	|	|	|	15.63
3.833	113.93	1.47	17.278	O I	|	|	|	|	9.74	9.000	0.00	17.58	32.913	IO	|	|	|	|	15.59
3.917	118.10	1.50	18.066	O I	|	|	|	|	10.07	9.083	0.00	16.56	32.795	IO	|	|	|	|	15.55
4.000	123.94	1.52	18.890	O I	|	|	|	|	10.41	9.167	0.00	15.59	32.684	IO	|	|	|	|	15.51
4.083	127.99	1.54	19.747	O I	|	|	|	|	10.76	9.250	0.00	14.68	32.580	IO	|	|	|	|	15.48
4.167	134.78	1.57	20.641	O I	|	|	|	|	11.12	9.333	0.00	13.83	32.482	IO	|	|	|	|	15.45
4.250	143.35	1.59	21.587	O I	|	|	|	|	11.49	9.417	0.00	13.02	32.389	O	|	|	|	|	15.42
4.333	152.53	1.62	22.595	O I	|	|	|	|	11.89	9.500	0.00	12.26	32.302	O	|	|	|	|	15.39
4.417	162.04	1.65	23.667	O I	|	|	|	|	12.29	9.583	0.00	11.55	32.220	O	|	|	|	|	15.36
4.500	170.72	1.68	24.802	O I	|	|	|	|	12.72	9.667	0.00	10.88	32.143	O	|	|	|	|	15.34
4.583	175.86	1.71	25.983	O I	|	|	|	|	13.16	9.750	0.00	10.24	32.070	O	|	|	|	|	15.31
4.667	183.17	1.74	27.208	O I	|	|	|	|	13.61	9.833	0.00	9.65	32.002	O	|	|	|	|	15.29
4.750	191.99	1.76	28.488	O I	|	|	|	|	14.08	9.917	0.00	9.08	31.937	O	|	|	|	|	15.27
4.833	200.30	1.79	29.826	O I	|	|	|	|	14.55	10.000	0.00	8.55	31.877	O	|	|	|	|	15.25
4.917	205.30	2.72	31.207	O I	|	|	|	|	15.03	10.083	0.00	8.06	31.819	O	|	|	|	|	15.23
5.000	212.57	14.74	32.586	IO I	|	|	|	|	15.48	10.167	0.00	7.59	31.766	O	|	|	|	|	15.22
5.083	225.26	26.64	33.951	IO I	|	|	|	|	15.93	10.250	0.00	7.14	31.715	O	|	|	|	|	15.20
5.167	256.70	35.94	35.396	I O I	|	|	|	|	16.37	10.333	0.00	6.73	31.667	O	|	|	|	|	15.18
5.250	296.20	45.69	37.018	I O I	|	|	|	|	16.87	10.417	0.00	6.34	31.622	O	|	|	|	|	15.17
5.333	330.45	53.75	38.834	I O I	|	|	|	|	17.41	10.500	0.00	5.97	31.580	O	|	|	|	|	15.15
5.417	363.76	61.63	40.827	I O I	|	|	|	|	17.99	10.583	0.00	5.62	31.540	O	|	|	|	|	15.14
5.500	409.08	101.49	42.927	I O I	|	|	|	|	18.57	10.667	0.00	5.29	31.502	O	|	|	|	|	15.13
5.583	431.92	146.64	44.968	I O I	|	|	|	|	19.13	10.750	0.00	4.98	31.467	O	|	|	|	|	15.12
5.667	282.28	186.86	46.279	I O I	|	|	|	|	19.48	10.833	0.00	4.69	31.434	O	|	|	|	|	15.11
5.750	156.55	193.08	46.482	I O I	|	|	|	|	19.53	10.917	0.00	4.42	31.402	O	|	|	|	|	15.10
5.833	89.79	179.72	46.046	I O I	|	|	|	|	19.42	11.000	0.00	4.16	31.373	O	|	|	|	|	15.09
5.917	53.64	159.08	45.374	I O I	|	|	|	|	19.24	11.083	0.00	3.92	31.345	O	|	|	|	|	15.08
6.000	31.66	136.83	44.648	I O I	|	|	|	|	19.05	11.167	0.00	3.69	31.319	O	|	|	|	|	15.07
6.083	18.51	120.91	43.934	IO I	|	|	|	|	18.85	11.250	0.00	3.48	31.294	O	|	|	|	|	15.06
6.167	6.99	107.44	43.235	I O	|	|	|	|	18.66	11.333	0.00	3.27	31.271	O	|	|	|	|	15.05
6.250	0.63	94.54	42.566	I O	|	|	|	|	18.47	11.417	0.00	3.08	31.249	O	|	|	|	|	15.05
6.333	0.00	82.81	41.957	I O	|	|	|	|	18.30	11.500	0.00	2.90	31.228	O	|	|	|	|	15.04
6.417	0.00	72.50	41.423	I O	|	|	|	|	18.15	11.583	0.00	2.73	31.209	O	|	|	|	|	15.03
6.500	0.00	63.47	40.954	I O	|	|	|	|	18.02	11.667	0.00	2.57	31.191	O	|	|	|	|	15.03

11.750	0.00	2.42	31.173	O	|	|	|	|	15.02	16.917	0.00	1.80	30.390	O	|	|	|	|	14.75
11.833	0.00	2.28	31.157	O	|	|	|	|	15.02	17.000	0.00	1.80	30.377	O	|	|	|	|	14.75
11.917	0.00	2.15	31.142	O	|	|	|	|	15.01	17.083	0.00	1.80	30.365	O	|	|	|	|	14.74
12.000	0.00	2.02	31.127	O	|	|	|	|	15.01	17.167	0.00	1.80	30.352	O	|	|	|	|	14.74
12.083	0.00	1.91	31.114	O	|	|	|	|	15.00	17.250	0.00	1.80	30.340	O	|	|	|	|	14.73
12.167	0.00	1.82	31.101	O	|	|	|	|	15.00	17.333	0.00	1.80	30.327	O	|	|	|	|	14.73
12.250	0.00	1.82	31.089	O	|	|	|	|	14.99	17.417	0.00	1.80	30.315	O	|	|	|	|	14.72
12.333	0.00	1.82	31.076	O	|	|	|	|	14.99	17.500	0.00	1.80	30.303	O	|	|	|	|	14.72
12.417	0.00	1.82	31.064	O	|	|	|	|	14.99	17.583	0.00	1.80	30.290	O	|	|	|	|	14.71
12.500	0.00	1.82	31.051	O	|	|	|	|	14.98	17.667	0.00	1.80	30.278	O	|	|	|	|	14.71
12.583	0.00	1.82	31.038	O	|	|	|	|	14.98	17.750	0.00	1.80	30.265	O	|	|	|	|	14.71
12.667	0.00	1.82	31.026	O	|	|	|	|	14.97	17.833	0.00	1.80	30.253	O	|	|	|	|	14.70
12.750	0.00	1.82	31.013	O	|	|	|	|	14.97	17.917	0.00	1.80	30.241	O	|	|	|	|	14.70
12.833	0.00	1.82	31.001	O	|	|	|	|	14.96	18.000	0.00	1.80	30.228	O	|	|	|	|	14.69
12.917	0.00	1.82	30.988	O	|	|	|	|	14.96	18.083	0.00	1.80	30.216	O	|	|	|	|	14.69
13.000	0.00	1.82	30.976	O	|	|	|	|	14.96	18.167	0.00	1.80	30.203	O	|	|	|	|	14.68
13.083	0.00	1.82	30.963	O	|	|	|	|	14.95	18.250	0.00	1.80	30.191	O	|	|	|	|	14.68
13.167	0.00	1.82	30.951	O	|	|	|	|	14.95	18.333	0.00	1.80	30.179	O	|	|	|	|	14.68
13.250	0.00	1.82	30.938	O	|	|	|	|	14.94	18.417	0.00	1.80	30.166	O	|	|	|	|	14.67
13.333	0.00	1.82	30.926	O	|	|	|	|	14.94	18.500	0.00	1.80	30.154	O	|	|	|	|	14.67
13.417	0.00	1.82	30.913	O	|	|	|	|	14.93	18.583	0.00	1.80	30.141	O	|	|	|	|	14.66
13.500	0.00	1.82	30.901	O	|	|	|	|	14.93	18.667	0.00	1.80	30.129	O	|	|	|	|	14.66
13.583	0.00	1.82	30.888	O	|	|	|	|	14.92	18.750	0.00	1.80	30.117	O	|	|	|	|	14.65
13.667	0.00	1.82	30.876	O	|	|	|	|	14.92	18.833	0.00	1.80	30.104	O	|	|	|	|	14.65
13.750	0.00	1.81	30.863	O	|	|	|	|	14.92	18.917	0.00	1.80	30.092	O	|	|	|	|	14.64
13.833	0.00	1.81	30.851	O	|	|	|	|	14.91	19.000	0.00	1.80	30.079	O	|	|	|	|	14.64
13.917	0.00	1.81	30.838	O	|	|	|	|	14.91	19.083	0.00	1.80	30.067	O	|	|	|	|	14.64
14.000	0.00	1.81	30.826	O	|	|	|	|	14.90	19.167	0.00	1.80	30.055	O	|	|	|	|	14.63
14.083	0.00	1.81	30.813	O	|	|	|	|	14.90	19.250	0.00	1.80	30.042	O	|	|	|	|	14.63
14.167	0.00	1.81	30.801	O	|	|	|	|	14.89	19.333	0.00	1.80	30.030	O	|	|	|	|	14.62
14.250	0.00	1.81	30.788	O	|	|	|	|	14.89	19.417	0.00	1.80	30.017	O	|	|	|	|	14.62
14.333	0.00	1.81	30.776	O	|	|	|	|	14.88	19.500	0.00	1.80	30.005	O	|	|	|	|	14.61
14.417	0.00	1.81	30.763	O	|	|	|	|	14.88	19.583	0.00	1.80	29.993	O	|	|	|	|	14.61
14.500	0.00	1.81	30.751	O	|	|	|	|	14.88	19.667	0.00	1.80	29.980	O	|	|	|	|	14.61
14.583	0.00	1.81	30.738	O	|	|	|	|	14.87	19.750	0.00	1.80	29.968	O	|	|	|	|	14.60
14.667	0.00	1.81	30.726	O	|	|	|	|	14.87	19.833	0.00	1.80	29.956	O	|	|	|	|	14.60
14.750	0.00	1.81	30.713	O	|	|	|	|	14.86	19.917	0.00	1.80	29.943	O	|	|	|	|	14.59
14.833	0.00	1.81	30.701	O	|	|	|	|	14.86	20.000	0.00	1.80	29.931	O	|	|	|	|	14.59
14.917	0.00	1.81	30.688	O	|	|	|	|	14.85	20.083	0.00	1.80	29.919	O	|	|	|	|	14.58
15.000	0.00	1.81	30.676	O	|	|	|	|	14.85	20.167	0.00	1.79	29.906	O	|	|	|	|	14.58
15.083	0.00	1.81	30.664	O	|	|	|	|	14.85	20.250	0.00	1.79	29.894	O	|	|	|	|	14.58
15.167	0.00	1.81	30.651	O	|	|	|	|	14.84	20.333	0.00	1.79	29.881	O	|	|	|	|	14.57
15.250	0.00	1.81	30.639	O	|	|	|	|	14.84	20.417	0.00	1.79	29.869	O	|	|	|	|	14.57
15.333	0.00	1.81	30.626	O	|	|	|	|	14.83	20.500	0.00	1.79	29.857	O	|	|	|	|	14.56
15.417	0.00	1.81	30.614	O	|	|	|	|	14.83	20.583	0.00	1.79	29.844	O	|	|	|	|	14.56
15.500	0.00	1.81	30.601	O	|	|	|	|	14.82	20.667	0.00	1.79	29.832	O	|	|	|	|	14.55
15.583	0.00	1.81	30.589	O	|	|	|	|	14.82	20.750	0.00	1.79	29.820	O	|	|	|	|	14.55
15.667	0.00	1.81	30.576	O	|	|	|	|	14.81	20.833	0.00	1.79	29.807	O	|	|	|	|	14.55
15.750	0.00	1.81	30.564	O	|	|	|	|	14.81	20.917	0.00	1.79	29.795	O	|	|	|	|	14.54
15.833	0.00	1.81	30.551	O	|	|	|	|	14.81	21.000	0.00	1.79	29.783	O	|	|	|	|	14.54
15.917	0.00	1.81	30.539	O	|	|	|	|	14.80	21.083	0.00	1.79	29.770	O	|	|	|	|	14.53
16.000	0.00	1.81	30.526	O	|	|	|	|	14.80	21.167	0.00	1.79	29.758	O	|	|	|	|	14.53
16.083	0.00	1.81	30.514	O	|	|	|	|	14.79	21.250	0.00	1.79	29.746	O	|	|	|	|	14.52
16.167	0.00	1.81	30.502	O	|	|	|	|	14.79	21.333	0.00	1.79	29.733	O	|	|	|	|	14.52
16.250	0.00	1.81	30.489	O	|	|	|	|	14.78	21.417	0.00	1.79	29.721	O	|	|	|	|	14.51
16.333	0.00	1.81	30.477	O	|	|	|	|	14.78	21.500	0.00	1.79	29.709	O	|	|	|	|	14.51
16.417	0.00	1.81	30.464	O	|	|	|	|	14.78	21.583	0.00	1.79	29.696	O	|	|	|	|	14.51
16.500	0.00	1.81	30.452	O	|	|	|	|	14.77	21.667	0.00	1.79	29.684	O	|	|	|	|	14.50
16.583	0.00	1.81	30.439	O	|	|	|	|	14.77	21.750	0.00	1.79	29.672	O	|	|	|	|	14.50
16.667	0.00	1.81	30.427	O	|	|	|	|	14.76	21.833	0.00	1.79	29.659	O	|	|	|	|	14.49
16.750	0.00	1.81	30.414	O	|	|	|	|	14.76	21.917	0.00	1.79	29.647	O	|	|	|	|	14.49
16.833	0.00	1.81	30.402	O	|	|	|	|	14.75	22.000	0.00	1.79	29.635	O	|	|	|	|	14.48

22.083	0.00	1.79	29.622	O	|	|	|	|	14.48	27.250	0.00	1.77	28.862	O	|	|	|	|	14.21
22.167	0.00	1.79	29.610	O	|	|	|	|	14.48	27.333	0.00	1.77	28.850	O	|	|	|	|	14.21
22.250	0.00	1.79	29.598	O	|	|	|	|	14.47	27.417	0.00	1.77	28.838	O	|	|	|	|	14.21
22.333	0.00	1.79	29.585	O	|	|	|	|	14.47	27.500	0.00	1.77	28.825	O	|	|	|	|	14.20
22.417	0.00	1.79	29.573	O	|	|	|	|	14.46	27.583	0.00	1.77	28.813	O	|	|	|	|	14.20
22.500	0.00	1.79	29.561	O	|	|	|	|	14.46	27.667	0.00	1.77	28.801	O	|	|	|	|	14.19
22.583	0.00	1.79	29.548	O	|	|	|	|	14.45	27.750	0.00	1.77	28.789	O	|	|	|	|	14.19
22.667	0.00	1.79	29.536	O	|	|	|	|	14.45	27.833	0.00	1.77	28.777	O	|	|	|	|	14.18
22.750	0.00	1.79	29.524	O	|	|	|	|	14.45	27.917	0.00	1.77	28.764	O	|	|	|	|	14.18
22.833	0.00	1.79	29.512	O	|	|	|	|	14.44	28.000	0.00	1.77	28.752	O	|	|	|	|	14.18
22.917	0.00	1.79	29.499	O	|	|	|	|	14.44	28.083	0.00	1.77	28.740	O	|	|	|	|	14.17
23.000	0.00	1.79	29.487	O	|	|	|	|	14.43	28.167	0.00	1.77	28.728	O	|	|	|	|	14.17
23.083	0.00	1.79	29.475	O	|	|	|	|	14.43	28.250	0.00	1.77	28.716	O	|	|	|	|	14.16
23.167	0.00	1.79	29.462	O	|	|	|	|	14.42	28.333	0.00	1.77	28.703	O	|	|	|	|	14.16
23.250	0.00	1.79	29.450	O	|	|	|	|	14.42	28.417	0.00	1.77	28.691	O	|	|	|	|	14.15
23.333	0.00	1.78	29.438	O	|	|	|	|	14.42	28.500	0.00	1.77	28.679	O	|	|	|	|	14.15
23.417	0.00	1.78	29.425	O	|	|	|	|	14.41	28.583	0.00	1.77	28.667	O	|	|	|	|	14.15
23.500	0.00	1.78	29.413	O	|	|	|	|	14.41	28.667	0.00	1.77	28.655	O	|	|	|	|	14.14
23.583	0.00	1.78	29.401	O	|	|	|	|	14.40	28.750	0.00	1.77	28.642	O	|	|	|	|	14.14
23.667	0.00	1.78	29.389	O	|	|	|	|	14.40	28.833	0.00	1.77	28.630	O	|	|	|	|	14.13
23.750	0.00	1.78	29.376	O	|	|	|	|	14.39	28.917	0.00	1.77	28.618	O	|	|	|	|	14.13
23.833	0.00	1.78	29.364	O	|	|	|	|	14.39	29.000	0.00	1.77	28.606	O	|	|	|	|	14.12
23.917	0.00	1.78	29.352	O	|	|	|	|	14.39	29.083	0.00	1.77	28.594	O	|	|	|	|	14.12
24.000	0.00	1.78	29.339	O	|	|	|	|	14.38	29.167	0.00	1.77	28.582	O	|	|	|	|	14.12
24.083	0.00	1.78	29.327	O	|	|	|	|	14.38	29.250	0.00	1.77	28.569	O	|	|	|	|	14.11
24.167	0.00	1.78	29.315	O	|	|	|	|	14.37	29.333	0.00	1.77	28.557	O	|	|	|	|	14.11
24.250	0.00	1.78	29.303	O	|	|	|	|	14.37	29.417	0.00	1.77	28.545	O	|	|	|	|	14.10
24.333	0.00	1.78	29.290	O	|	|	|	|	14.36	29.500	0.00	1.77	28.533	O	|	|	|	|	14.10
24.417	0.00	1.78	29.278	O	|	|	|	|	14.36	29.583	0.00	1.77	28.521	O	|	|	|	|	14.09
24.500	0.00	1.78	29.266	O	|	|	|	|	14.36	29.667	0.00	1.77	28.509	O	|	|	|	|	14.09
24.583	0.00	1.78	29.254	O	|	|	|	|	14.35	29.750	0.00	1.77	28.496	O	|	|	|	|	14.09
24.667	0.00	1.78	29.241	O	|	|	|	|	14.35	29.833	0.00	1.76	28.484	O	|	|	|	|	14.08
24.750	0.00	1.78	29.229	O	|	|	|	|	14.34	29.917	0.00	1.76	28.472	O	|	|	|	|	14.08
24.833	0.00	1.78	29.217	O	|	|	|	|	14.34	30.000	0.00	1.76	28.460	O	|	|	|	|	14.07
24.917	0.00	1.78	29.205	O	|	|	|	|	14.33	30.083	0.00	1.76	28.448	O	|	|	|	|	14.07
25.000	0.00	1.78	29.192	O	|	|	|	|	14.33	30.167	0.00	1.76	28.436	O	|	|	|	|	14.06
25.083	0.00	1.78	29.180	O	|	|	|	|	14.33	30.250	0.00	1.76	28.424	O	|	|	|	|	14.06
25.167	0.00	1.78	29.168	O	|	|	|	|	14.32	30.333	0.00	1.76	28.411	O	|	|	|	|	14.06
25.250	0.00	1.78	29.155	O	|	|	|	|	14.32	30.417	0.00	1.76	28.399	O	|	|	|	|	14.05
25.333	0.00	1.78	29.143	O	|	|	|	|	14.31	30.500	0.00	1.76	28.387	O	|	|	|	|	14.05
25.417	0.00	1.78	29.131	O	|	|	|	|	14.31	30.583	0.00	1.76	28.375	O	|	|	|	|	14.04
25.500	0.00	1.78	29.119	O	|	|	|	|	14.30	30.667	0.00	1.76	28.363	O	|	|	|	|	14.04
25.583	0.00	1.78	29.106	O	|	|	|	|	14.30	30.750	0.00	1.76	28.351	O	|	|	|	|	14.03
25.667	0.00	1.78	29.094	O	|	|	|	|	14.30	30.833	0.00	1.76	28.339	O	|	|	|	|	14.03
25.750	0.00	1.78	29.082	O	|	|	|	|	14.29	30.917	0.00	1.76	28.326	O	|	|	|	|	14.03
25.833	0.00	1.78	29.070	O	|	|	|	|	14.29	31.000	0.00	1.76	28.314	O	|	|	|	|	14.02
25.917	0.00	1.78	29.058	O	|	|	|	|	14.28	31.083	0.00	1.76	28.302	O	|	|	|	|	14.02
26.000	0.00	1.78	29.045	O	|	|	|	|	14.28	31.167	0.00	1.76	28.290	O	|	|	|	|	14.01
26.083	0.00	1.78	29.033	O	|	|	|	|	14.27	31.250	0.00	1.76	28.278	O	|	|	|	|	14.01
26.167	0.00	1.78	29.021	O	|	|	|	|	14.27	31.333	0.00	1.76	28.266	O	|	|	|	|	14.00
26.250	0.00	1.78	29.009	O	|	|	|	|	14.27	31.417	0.00	1.76	28.254	O	|	|	|	|	14.00
26.333	0.00	1.78	28.996	O	|	|	|	|	14.26	31.500	0.00	1.76	28.242	O	|	|	|	|	14.00
26.417	0.00	1.78	28.984	O	|	|	|	|	14.26	31.583	0.00	1.76	28.229	O	|	|	|	|	13.99
26.500	0.00	1.78	28.972	O	|	|	|	|	14.25	31.667	0.00	1.76	28.217	O	|	|	|	|	13.99
26.583	0.00	1.77	28.960	O	|	|	|	|	14.25	31.750	0.00	1.76	28.205	O	|	|	|	|	13.98
26.667	0.00	1.77	28.947	O	|	|	|	|	14.24	31.833	0.00	1.76	28.193	O	|	|	|	|	13.98
26.750	0.00	1.77	28.935	O	|	|	|	|	14.24	31.917	0.00	1.76	28.181	O	|	|	|	|	13.97
26.833	0.00	1.77	28.923	O	|	|	|	|	14.24	32.000	0.00	1.76	28.169	O	|	|	|	|	13.97
26.917	0.00	1.77	28.911	O	|	|	|	|	14.23	32.083	0.00	1.76	28.157	O	|	|	|	|	13.96
27.000	0.00	1.77	28.899	O	|	|	|	|	14.23	32.167	0.00	1.76	28.145	O	|	|	|	|	13.96
27.083	0.00	1.77	28.886	O	|	|	|	|	14.22	32.250	0.00	1.76	28.133	O	|	|	|	|	13.96
27.167	0.00	1.77	28.874	O	|	|	|	|	14.22	32.333	0.00	1.76	28.120	O	|	|	|	|	13.95

32.417	0.00	1.76	28.108	O	|	|	|	|	13.95	37.583	0.00	1.74	27.362	O	|	|	|	|	13.67
32.500	0.00	1.76	28.096	O	|	|	|	|	13.94	37.667	0.00	1.74	27.350	O	|	|	|	|	13.67
32.583	0.00	1.76	28.084	O	|	|	|	|	13.94	37.750	0.00	1.74	27.338	O	|	|	|	|	13.66
32.667	0.00	1.76	28.072	O	|	|	|	|	13.93	37.833	0.00	1.74	27.326	O	|	|	|	|	13.66
32.750	0.00	1.76	28.060	O	|	|	|	|	13.93	37.917	0.00	1.74	27.314	O	|	|	|	|	13.65
32.833	0.00	1.76	28.048	O	|	|	|	|	13.92	38.000	0.00	1.74	27.302	O	|	|	|	|	13.65
32.917	0.00	1.76	28.036	O	|	|	|	|	13.92	38.083	0.00	1.74	27.290	O	|	|	|	|	13.64
33.000	0.00	1.75	28.024	O	|	|	|	|	13.92	38.167	0.00	1.74	27.278	O	|	|	|	|	13.64
33.083	0.00	1.75	28.012	O	|	|	|	|	13.91	38.250	0.00	1.74	27.266	O	|	|	|	|	13.64
33.167	0.00	1.75	28.000	O	|	|	|	|	13.91	38.333	0.00	1.74	27.254	O	|	|	|	|	13.63
33.250	0.00	1.75	27.987	O	|	|	|	|	13.90	38.417	0.00	1.74	27.242	O	|	|	|	|	13.63
33.333	0.00	1.75	27.975	O	|	|	|	|	13.90	38.500	0.00	1.74	27.230	O	|	|	|	|	13.62
33.417	0.00	1.75	27.963	O	|	|	|	|	13.89	38.583	0.00	1.74	27.218	O	|	|	|	|	13.62
33.500	0.00	1.75	27.951	O	|	|	|	|	13.89	38.667	0.00	1.74	27.206	O	|	|	|	|	13.61
33.583	0.00	1.75	27.939	O	|	|	|	|	13.88	38.750	0.00	1.74	27.194	O	|	|	|	|	13.61
33.667	0.00	1.75	27.927	O	|	|	|	|	13.88	38.833	0.00	1.74	27.182	O	|	|	|	|	13.61
33.750	0.00	1.75	27.915	O	|	|	|	|	13.88	38.917	0.00	1.74	27.170	O	|	|	|	|	13.60
33.833	0.00	1.75	27.903	O	|	|	|	|	13.87	39.000	0.00	1.74	27.158	O	|	|	|	|	13.60
33.917	0.00	1.75	27.891	O	|	|	|	|	13.87	39.083	0.00	1.74	27.146	O	|	|	|	|	13.59
34.000	0.00	1.75	27.879	O	|	|	|	|	13.86	39.167	0.00	1.74	27.134	O	|	|	|	|	13.59
34.083	0.00	1.75	27.867	O	|	|	|	|	13.86	39.250	0.00	1.73	27.122	O	|	|	|	|	13.58
34.167	0.00	1.75	27.855	O	|	|	|	|	13.85	39.333	0.00	1.73	27.110	O	|	|	|	|	13.58
34.250	0.00	1.75	27.843	O	|	|	|	|	13.85	39.417	0.00	1.73	27.099	O	|	|	|	|	13.57
34.333	0.00	1.75	27.831	O	|	|	|	|	13.84	39.500	0.00	1.73	27.087	O	|	|	|	|	13.57
34.417	0.00	1.75	27.819	O	|	|	|	|	13.84	39.583	0.00	1.73	27.075	O	|	|	|	|	13.57
34.500	0.00	1.75	27.806	O	|	|	|	|	13.84	39.667	0.00	1.73	27.063	O	|	|	|	|	13.56
34.583	0.00	1.75	27.794	O	|	|	|	|	13.83	39.750	0.00	1.73	27.051	O	|	|	|	|	13.56
34.667	0.00	1.75	27.782	O	|	|	|	|	13.83	39.833	0.00	1.73	27.039	O	|	|	|	|	13.55
34.750	0.00	1.75	27.770	O	|	|	|	|	13.82	39.917	0.00	1.73	27.027	O	|	|	|	|	13.55
34.833	0.00	1.75	27.758	O	|	|	|	|	13.82	40.000	0.00	1.73	27.015	O	|	|	|	|	13.54
34.917	0.00	1.75	27.746	O	|	|	|	|	13.81	40.083	0.00	1.73	27.003	O	|	|	|	|	13.54
35.000	0.00	1.75	27.734	O	|	|	|	|	13.81	40.167	0.00	1.73	26.991	O	|	|	|	|	13.53
35.083	0.00	1.75	27.722	O	|	|	|	|	13.80	40.250	0.00	1.73	26.979	O	|	|	|	|	13.53
35.167	0.00	1.75	27.710	O	|	|	|	|	13.80	40.333	0.00	1.73	26.967	O	|	|	|	|	13.53
35.250	0.00	1.75	27.698	O	|	|	|	|	13.80	40.417	0.00	1.73	26.955	O	|	|	|	|	13.52
35.333	0.00	1.75	27.686	O	|	|	|	|	13.79	40.500	0.00	1.73	26.943	O	|	|	|	|	13.52
35.417	0.00	1.75	27.674	O	|	|	|	|	13.79	40.583	0.00	1.73	26.931	O	|	|	|	|	13.51
35.500	0.00	1.75	27.662	O	|	|	|	|	13.78	40.667	0.00	1.73	26.920	O	|	|	|	|	13.51
35.583	0.00	1.75	27.650	O	|	|	|	|	13.78	40.750	0.00	1.73	26.908	O	|	|	|	|	13.50
35.667	0.00	1.75	27.638	O	|	|	|	|	13.77	40.833	0.00	1.73	26.896	O	|	|	|	|	13.50
35.750	0.00	1.75	27.626	O	|	|	|	|	13.77	40.917	0.00	1.73	26.884	O	|	|	|	|	13.49
35.833	0.00	1.75	27.614	O	|	|	|	|	13.76	41.000	0.00	1.73	26.872	O	|	|	|	|	13.49
35.917	0.00	1.75	27.602	O	|	|	|	|	13.76	41.083	0.00	1.73	26.860	O	|	|	|	|	13.49
36.000	0.00	1.75	27.590	O	|	|	|	|	13.76	41.167	0.00	1.73	26.848	O	|	|	|	|	13.48
36.083	0.00	1.75	27.578	O	|	|	|	|	13.75	41.250	0.00	1.73	26.836	O	|	|	|	|	13.48
36.167	0.00	1.74	27.566	O	|	|	|	|	13.75	41.333	0.00	1.73	26.824	O	|	|	|	|	13.47
36.250	0.00	1.74	27.554	O	|	|	|	|	13.74	41.417	0.00	1.73	26.812	O	|	|	|	|	13.47
36.333	0.00	1.74	27.542	O	|	|	|	|	13.74	41.500	0.00	1.73	26.800	O	|	|	|	|	13.46
36.417	0.00	1.74	27.530	O	|	|	|	|	13.73	41.583	0.00	1.73	26.789	O	|	|	|	|	13.46
36.500	0.00	1.74	27.518	O	|	|	|	|	13.73	41.667	0.00	1.73	26.777	O	|	|	|	|	13.46
36.583	0.00	1.74	27.506	O	|	|	|	|	13.72	41.750	0.00	1.73	26.765	O	|	|	|	|	13.45
36.667	0.00	1.74	27.494	O	|	|	|	|	13.72	41.833	0.00	1.73	26.753	O	|	|	|	|	13.45
36.750	0.00	1.74	27.482	O	|	|	|	|	13.72	41.917	0.00	1.73	26.741	O	|	|	|	|	13.44
36.833	0.00	1.74	27.470	O	|	|	|	|	13.71	42.000	0.00	1.73	26.729	O	|	|	|	|	13.44
36.917	0.00	1.74	27.458	O	|	|	|	|	13.71	42.083	0.00	1.73	26.717	O	|	|	|	|	13.43
37.000	0.00	1.74	27.446	O	|	|	|	|	13.70	42.167	0.00	1.73	26.705	O	|	|	|	|	13.43
37.083	0.00	1.74	27.434	O	|	|	|	|	13.70	42.250	0.00	1.73	26.693	O	|	|	|	|	13.42
37.167	0.00	1.74	27.422	O	|	|	|	|	13.69	42.333	0.00	1.73	26.682	O	|	|	|	|	13.42
37.250	0.00	1.74	27.410	O	|	|	|	|	13.69	42.417	0.00	1.72	26.670	O	|	|	|	|	13.42
37.333	0.00	1.74	27.398	O	|	|	|	|	13.68	42.500	0.00	1.72	26.658	O	|	|	|	|	13.41
37.417	0.00	1.74	27.386	O	|	|	|	|	13.68	42.583	0.00	1.72	26.646	O	|	|	|	|	13.41
37.500	0.00	1.74	27.374	O	|	|	|	|	13.68	42.667	0.00	1.72	26.634	O	|	|	|	|	13.40

42.750	0.00	1.72	26.622	O	|	|	|	|	13.40	47.917	0.00	1.71	25.890	O	|	|	|	|	13.13
42.833	0.00	1.72	26.610	O	|	|	|	|	13.39	48.000	0.00	1.71	25.878	O	|	|	|	|	13.12
42.917	0.00	1.72	26.598	O	|	|	|	|	13.39	48.083	0.00	1.71	25.866	O	|	|	|	|	13.12
43.000	0.00	1.72	26.587	O	|	|	|	|	13.39	48.167	0.00	1.71	25.854	O	|	|	|	|	13.12
43.083	0.00	1.72	26.575	O	|	|	|	|	13.38	48.250	0.00	1.71	25.842	O	|	|	|	|	13.11
43.167	0.00	1.72	26.563	O	|	|	|	|	13.38	48.333	0.00	1.71	25.831	O	|	|	|	|	13.11
43.250	0.00	1.72	26.551	O	|	|	|	|	13.37	48.417	0.00	1.71	25.819	O	|	|	|	|	13.10
43.333	0.00	1.72	26.539	O	|	|	|	|	13.37	48.500	0.00	1.71	25.807	O	|	|	|	|	13.10
43.417	0.00	1.72	26.527	O	|	|	|	|	13.36	48.583	0.00	1.71	25.795	O	|	|	|	|	13.09
43.500	0.00	1.72	26.515	O	|	|	|	|	13.36	48.667	0.00	1.71	25.784	O	|	|	|	|	13.09
43.583	0.00	1.72	26.504	O	|	|	|	|	13.35	48.750	0.00	1.71	25.772	O	|	|	|	|	13.08
43.667	0.00	1.72	26.492	O	|	|	|	|	13.35	48.833	0.00	1.70	25.760	O	|	|	|	|	13.08
43.750	0.00	1.72	26.480	O	|	|	|	|	13.35	48.917	0.00	1.70	25.749	O	|	|	|	|	13.08
43.833	0.00	1.72	26.468	O	|	|	|	|	13.34	49.000	0.00	1.70	25.737	O	|	|	|	|	13.07
43.917	0.00	1.72	26.456	O	|	|	|	|	13.34	49.083	0.00	1.70	25.725	O	|	|	|	|	13.07
44.000	0.00	1.72	26.444	O	|	|	|	|	13.33	49.167	0.00	1.70	25.713	O	|	|	|	|	13.06
44.083	0.00	1.72	26.432	O	|	|	|	|	13.33	49.250	0.00	1.70	25.702	O	|	|	|	|	13.06
44.167	0.00	1.72	26.421	O	|	|	|	|	13.32	49.333	0.00	1.70	25.690	O	|	|	|	|	13.05
44.250	0.00	1.72	26.409	O	|	|	|	|	13.32	49.417	0.00	1.70	25.678	O	|	|	|	|	13.05
44.333	0.00	1.72	26.397	O	|	|	|	|	13.32	49.500	0.00	1.70	25.666	O	|	|	|	|	13.05
44.417	0.00	1.72	26.385	O	|	|	|	|	13.31	49.583	0.00	1.70	25.655	O	|	|	|	|	13.04
44.500	0.00	1.72	26.373	O	|	|	|	|	13.31	49.667	0.00	1.70	25.643	O	|	|	|	|	13.04
44.583	0.00	1.72	26.361	O	|	|	|	|	13.30	49.750	0.00	1.70	25.631	O	|	|	|	|	13.03
44.667	0.00	1.72	26.350	O	|	|	|	|	13.30	49.833	0.00	1.70	25.619	O	|	|	|	|	13.03
44.750	0.00	1.72	26.338	O	|	|	|	|	13.29	49.917	0.00	1.70	25.608	O	|	|	|	|	13.02
44.833	0.00	1.72	26.326	O	|	|	|	|	13.29	50.000	0.00	1.70	25.596	O	|	|	|	|	13.02
44.917	0.00	1.72	26.314	O	|	|	|	|	13.28	50.083	0.00	1.70	25.584	O	|	|	|	|	13.02
45.000	0.00	1.72	26.302	O	|	|	|	|	13.28	50.167	0.00	1.70	25.573	O	|	|	|	|	13.01
45.083	0.00	1.72	26.290	O	|	|	|	|	13.28	50.250	0.00	1.70	25.561	O	|	|	|	|	13.01
45.167	0.00	1.72	26.279	O	|	|	|	|	13.27	50.333	0.00	1.70	25.549	O	|	|	|	|	13.00
45.250	0.00	1.72	26.267	O	|	|	|	|	13.27	50.417	0.00	1.70	25.537	O	|	|	|	|	13.00
45.333	0.00	1.72	26.255	O	|	|	|	|	13.26	50.500	0.00	1.70	25.526	O	|	|	|	|	12.99
45.417	0.00	1.72	26.243	O	|	|	|	|	13.26	50.583	0.00	1.70	25.514	O	|	|	|	|	12.99
45.500	0.00	1.72	26.231	O	|	|	|	|	13.25	50.667	0.00	1.70	25.502	O	|	|	|	|	12.99
45.583	0.00	1.71	26.220	O	|	|	|	|	13.25	50.750	0.00	1.70	25.491	O	|	|	|	|	12.98
45.667	0.00	1.71	26.208	O	|	|	|	|	13.25	50.833	0.00	1.70	25.479	O	|	|	|	|	12.98
45.750	0.00	1.71	26.196	O	|	|	|	|	13.24	50.917	0.00	1.70	25.467	O	|	|	|	|	12.97
45.833	0.00	1.71	26.184	O	|	|	|	|	13.24	51.000	0.00	1.70	25.456	O	|	|	|	|	12.97
45.917	0.00	1.71	26.172	O	|	|	|	|	13.23	51.083	0.00	1.70	25.444	O	|	|	|	|	12.96
46.000	0.00	1.71	26.160	O	|	|	|	|	13.23	51.167	0.00	1.70	25.432	O	|	|	|	|	12.96
46.083	0.00	1.71	26.149	O	|	|	|	|	13.22	51.250	0.00	1.70	25.421	O	|	|	|	|	12.95
46.167	0.00	1.71	26.137	O	|	|	|	|	13.22	51.333	0.00	1.70	25.409	O	|	|	|	|	12.95
46.250	0.00	1.71	26.125	O	|	|	|	|	13.22	51.417	0.00	1.70	25.397	O	|	|	|	|	12.95
46.333	0.00	1.71	26.113	O	|	|	|	|	13.21	51.500	0.00	1.70	25.385	O	|	|	|	|	12.94
46.417	0.00	1.71	26.102	O	|	|	|	|	13.21	51.583	0.00	1.70	25.374	O	|	|	|	|	12.94
46.500	0.00	1.71	26.090	O	|	|	|	|	13.20	51.667	0.00	1.70	25.362	O	|	|	|	|	12.93
46.583	0.00	1.71	26.078	O	|	|	|	|	13.20	51.750	0.00	1.69	25.350	O	|	|	|	|	12.93
46.667	0.00	1.71	26.066	O	|	|	|	|	13.19	51.833	0.00	1.69	25.339	O	|	|	|	|	12.92
46.750	0.00	1.71	26.054	O	|	|	|	|	13.19	51.917	0.00	1.69	25.327	O	|	|	|	|	12.92
46.833	0.00	1.71	26.043	O	|	|	|	|	13.18	52.000	0.00	1.69	25.315	O	|	|	|	|	12.91
46.917	0.00	1.71	26.031	O	|	|	|	|	13.18	52.083	0.00	1.69	25.304	O	|	|	|	|	12.91
47.000	0.00	1.71	26.019	O	|	|	|	|	13.18	52.167	0.00	1.69	25.292	O	|	|	|	|	12.91
47.083	0.00	1.71	26.007	O	|	|	|	|	13.17	52.250	0.00	1.69	25.280	O	|	|	|	|	12.90
47.167	0.00	1.71	25.995	O	|	|	|	|	13.17	52.333	0.00	1.69	25.269	O	|	|	|	|	12.90
47.250	0.00	1.71	25.984	O	|	|	|	|	13.16	52.417	0.00	1.69	25.257	O	|	|	|	|	12.89
47.333	0.00	1.71	25.972	O	|	|	|	|	13.16	52.500	0.00	1.69	25.245	O	|	|	|	|	12.89
47.417	0.00	1.71	25.960	O	|	|	|	|	13.15	52.583	0.00	1.69	25.234	O	|	|	|	|	12.88
47.500	0.00	1.71	25.948	O	|	|	|	|	13.15	52.667	0.00	1.69	25.222	O	|	|	|	|	12.88
47.583	0.00	1.71	25.937	O	|	|	|	|	13.15	52.750	0.00	1.69	25.211	O	|	|	|	|	12.88
47.667	0.00	1.71	25.925	O	|	|	|	|	13.14	52.833	0.00	1.69	25.199	O	|	|	|	|	12.87
47.750	0.00	1.71	25.913	O	|	|	|	|	13.14	52.917	0.00	1.69	25.187	O	|	|	|	|	12.87
47.833	0.00	1.71	25.901	O	|	|	|	|	13.13	53.000	0.00	1.69	25.176	O	|	|	|	|	12.86

53.083	0.00	1.69	25.164	O	|	|	|	|	12.86	58.250	0.00	1.67	24.446	O	|	|	|	|	12.59
53.167	0.00	1.69	25.152	O	|	|	|	|	12.85	58.333	0.00	1.67	24.435	O	|	|	|	|	12.58
53.250	0.00	1.69	25.141	O	|	|	|	|	12.85	58.417	0.00	1.67	24.423	O	|	|	|	|	12.58
53.333	0.00	1.69	25.129	O	|	|	|	|	12.84	58.500	0.00	1.67	24.412	O	|	|	|	|	12.57
53.417	0.00	1.69	25.117	O	|	|	|	|	12.84	58.583	0.00	1.67	24.400	O	|	|	|	|	12.57
53.500	0.00	1.69	25.106	O	|	|	|	|	12.84	58.667	0.00	1.67	24.389	O	|	|	|	|	12.57
53.583	0.00	1.69	25.094	O	|	|	|	|	12.83	58.750	0.00	1.67	24.377	O	|	|	|	|	12.56
53.667	0.00	1.69	25.083	O	|	|	|	|	12.83	58.833	0.00	1.67	24.366	O	|	|	|	|	12.56
53.750	0.00	1.69	25.071	O	|	|	|	|	12.82	58.917	0.00	1.67	24.354	O	|	|	|	|	12.55
53.833	0.00	1.69	25.059	O	|	|	|	|	12.82	59.000	0.00	1.67	24.343	O	|	|	|	|	12.55
53.917	0.00	1.69	25.048	O	|	|	|	|	12.81	59.083	0.00	1.67	24.331	O	|	|	|	|	12.54
54.000	0.00	1.69	25.036	O	|	|	|	|	12.81	59.167	0.00	1.67	24.320	O	|	|	|	|	12.54
54.083	0.00	1.69	25.024	O	|	|	|	|	12.81	59.250	0.00	1.67	24.308	O	|	|	|	|	12.54
54.167	0.00	1.69	25.013	O	|	|	|	|	12.80	59.333	0.00	1.67	24.297	O	|	|	|	|	12.53
54.250	0.00	1.69	25.001	O	|	|	|	|	12.80	59.417	0.00	1.67	24.285	O	|	|	|	|	12.53
54.333	0.00	1.69	24.990	O	|	|	|	|	12.79	59.500	0.00	1.67	24.274	O	|	|	|	|	12.52
54.417	0.00	1.69	24.978	O	|	|	|	|	12.79	59.583	0.00	1.67	24.262	O	|	|	|	|	12.52
54.500	0.00	1.68	24.966	O	|	|	|	|	12.78	59.667	0.00	1.67	24.251	O	|	|	|	|	12.51
54.583	0.00	1.68	24.955	O	|	|	|	|	12.78	59.750	0.00	1.67	24.240	O	|	|	|	|	12.51
54.667	0.00	1.68	24.943	O	|	|	|	|	12.77	59.833	0.00	1.67	24.228	O	|	|	|	|	12.51
54.750	0.00	1.68	24.932	O	|	|	|	|	12.77	59.917	0.00	1.67	24.217	O	|	|	|	|	12.50
54.833	0.00	1.68	24.920	O	|	|	|	|	12.77	60.000	0.00	1.66	24.205	O	|	|	|	|	12.50
54.917	0.00	1.68	24.908	O	|	|	|	|	12.76	60.083	0.00	1.66	24.194	O	|	|	|	|	12.49
55.000	0.00	1.68	24.897	O	|	|	|	|	12.76	60.167	0.00	1.66	24.182	O	|	|	|	|	12.49
55.083	0.00	1.68	24.885	O	|	|	|	|	12.75	60.250	0.00	1.66	24.171	O	|	|	|	|	12.48
55.167	0.00	1.68	24.874	O	|	|	|	|	12.75	60.333	0.00	1.66	24.159	O	|	|	|	|	12.48
55.250	0.00	1.68	24.862	O	|	|	|	|	12.74	60.417	0.00	1.66	24.148	O	|	|	|	|	12.48
55.333	0.00	1.68	24.850	O	|	|	|	|	12.74	60.500	0.00	1.66	24.136	O	|	|	|	|	12.47
55.417	0.00	1.68	24.839	O	|	|	|	|	12.74	60.583	0.00	1.66	24.125	O	|	|	|	|	12.47
55.500	0.00	1.68	24.827	O	|	|	|	|	12.73	60.667	0.00	1.66	24.113	O	|	|	|	|	12.46
55.583	0.00	1.68	24.816	O	|	|	|	|	12.73	60.750	0.00	1.66	24.102	O	|	|	|	|	12.46
55.667	0.00	1.68	24.804	O	|	|	|	|	12.72	60.833	0.00	1.66	24.091	O	|	|	|	|	12.45
55.750	0.00	1.68	24.793	O	|	|	|	|	12.72	60.917	0.00	1.66	24.079	O	|	|	|	|	12.45
55.833	0.00	1.68	24.781	O	|	|	|	|	12.71	61.000	0.00	1.66	24.068	O	|	|	|	|	12.44
55.917	0.00	1.68	24.769	O	|	|	|	|	12.71	61.083	0.00	1.66	24.056	O	|	|	|	|	12.44
56.000	0.00	1.68	24.758	O	|	|	|	|	12.70	61.167	0.00	1.66	24.045	O	|	|	|	|	12.44
56.083	0.00	1.68	24.746	O	|	|	|	|	12.70	61.250	0.00	1.66	24.033	O	|	|	|	|	12.43
56.167	0.00	1.68	24.735	O	|	|	|	|	12.70	61.333	0.00	1.66	24.022	O	|	|	|	|	12.43
56.250	0.00	1.68	24.723	O	|	|	|	|	12.69	61.417	0.00	1.66	24.011	O	|	|	|	|	12.42
56.333	0.00	1.68	24.712	O	|	|	|	|	12.69	61.500	0.00	1.66	23.999	O	|	|	|	|	12.42
56.417	0.00	1.68	24.700	O	|	|	|	|	12.68	61.583	0.00	1.66	23.988	O	|	|	|	|	12.41
56.500	0.00	1.68	24.689	O	|	|	|	|	12.68	61.667	0.00	1.66	23.976	O	|	|	|	|	12.41
56.583	0.00	1.68	24.677	O	|	|	|	|	12.67	61.750	0.00	1.66	23.965	O	|	|	|	|	12.41
56.667	0.00	1.68	24.665	O	|	|	|	|	12.67	61.833	0.00	1.66	23.953	O	|	|	|	|	12.40
56.750	0.00	1.68	24.654	O	|	|	|	|	12.67	61.917	0.00	1.66	23.942	O	|	|	|	|	12.40
56.833	0.00	1.68	24.642	O	|	|	|	|	12.66	62.000	0.00	1.66	23.931	O	|	|	|	|	12.39
56.917	0.00	1.68	24.631	O	|	|	|	|	12.66	62.083	0.00	1.66	23.919	O	|	|	|	|	12.39
57.000	0.00	1.68	24.619	O	|	|	|	|	12.65	62.167	0.00	1.66	23.908	O	|	|	|	|	12.38
57.083	0.00	1.68	24.608	O	|	|	|	|	12.65	62.250	0.00	1.66	23.896	O	|	|	|	|	12.38
57.167	0.00	1.68	24.596	O	|	|	|	|	12.64	62.333	0.00	1.66	23.885	O	|	|	|	|	12.38
57.250	0.00	1.67	24.585	O	|	|	|	|	12.64	62.417	0.00	1.66	23.874	O	|	|	|	|	12.37
57.333	0.00	1.67	24.573	O	|	|	|	|	12.64	62.500	0.00	1.66	23.862	O	|	|	|	|	12.37
57.417	0.00	1.67	24.562	O	|	|	|	|	12.63	62.583	0.00	1.66	23.851	O	|	|	|	|	12.36
57.500	0.00	1.67	24.550	O	|	|	|	|	12.63	62.667	0.00	1.66	23.839	O	|	|	|	|	12.36
57.583	0.00	1.67	24.538	O	|	|	|	|	12.62	62.750	0.00	1.65	23.828	O	|	|	|	|	12.35
57.667	0.00	1.67	24.527	O	|	|	|	|	12.62	62.833	0.00	1.65	23.817	O	|	|	|	|	12.35
57.750	0.00	1.67	24.515	O	|	|	|	|	12.61	62.917	0.00	1.65	23.805	O	|	|	|	|	12.35
57.833	0.00	1.67	24.504	O	|	|	|	|	12.61	63.000	0.00	1.65	23.794	O	|	|	|	|	12.34
57.917	0.00	1.67	24.492	O	|	|	|	|	12.60	63.083	0.00	1.65	23.782	O	|	|	|	|	12.34
58.000	0.00	1.67	24.481	O	|	|	|	|	12.60	63.167	0.00	1.65	23.771	O	|	|	|	|	12.33
58.083	0.00	1.67	24.469	O	|	|	|	|	12.60	63.250	0.00	1.65	23.760	O	|	|	|	|	12.33
58.167	0.00	1.67	24.458	O	|	|	|	|	12.59	63.333	0.00	1.65	23.748	O	|	|	|	|	12.32

63.417	0.00	1.65	23.737	O	|	|	|	|	12.32	68.583	0.00	1.63	23.035	O	|	|	|	|	12.06
63.500	0.00	1.65	23.725	O	|	|	|	|	12.32	68.667	0.00	1.63	23.024	O	|	|	|	|	12.05
63.583	0.00	1.65	23.714	O	|	|	|	|	12.31	68.750	0.00	1.63	23.013	O	|	|	|	|	12.05
63.667	0.00	1.65	23.703	O	|	|	|	|	12.31	68.833	0.00	1.63	23.001	O	|	|	|	|	12.04
63.750	0.00	1.65	23.691	O	|	|	|	|	12.30	68.917	0.00	1.63	22.990	O	|	|	|	|	12.04
63.833	0.00	1.65	23.680	O	|	|	|	|	12.30	69.000	0.00	1.63	22.979	O	|	|	|	|	12.03
63.917	0.00	1.65	23.669	O	|	|	|	|	12.29	69.083	0.00	1.63	22.968	O	|	|	|	|	12.03
64.000	0.00	1.65	23.657	O	|	|	|	|	12.29	69.167	0.00	1.63	22.956	O	|	|	|	|	12.03
64.083	0.00	1.65	23.646	O	|	|	|	|	12.29	69.250	0.00	1.63	22.945	O	|	|	|	|	12.02
64.167	0.00	1.65	23.634	O	|	|	|	|	12.28	69.333	0.00	1.63	22.934	O	|	|	|	|	12.02
64.250	0.00	1.65	23.623	O	|	|	|	|	12.28	69.417	0.00	1.63	22.923	O	|	|	|	|	12.01
64.333	0.00	1.65	23.612	O	|	|	|	|	12.27	69.500	0.00	1.63	22.912	O	|	|	|	|	12.01
64.417	0.00	1.65	23.600	O	|	|	|	|	12.27	69.583	0.00	1.63	22.900	O	|	|	|	|	12.01
64.500	0.00	1.65	23.589	O	|	|	|	|	12.26	69.667	0.00	1.63	22.889	O	|	|	|	|	12.00
64.583	0.00	1.65	23.578	O	|	|	|	|	12.26	69.750	0.00	1.63	22.878	O	|	|	|	|	12.00
64.667	0.00	1.65	23.566	O	|	|	|	|	12.26	69.833	0.00	1.63	22.867	O	|	|	|	|	11.99
64.750	0.00	1.65	23.555	O	|	|	|	|	12.25	69.917	0.00	1.63	22.855	O	|	|	|	|	11.99
64.833	0.00	1.65	23.544	O	|	|	|	|	12.25	70.000	0.00	1.63	22.844	O	|	|	|	|	11.98
64.917	0.00	1.65	23.532	O	|	|	|	|	12.24	70.083	0.00	1.63	22.833	O	|	|	|	|	11.98
65.000	0.00	1.65	23.521	O	|	|	|	|	12.24	70.167	0.00	1.63	22.822	O	|	|	|	|	11.97
65.083	0.00	1.65	23.510	O	|	|	|	|	12.23	70.250	0.00	1.63	22.811	O	|	|	|	|	11.97
65.167	0.00	1.65	23.498	O	|	|	|	|	12.23	70.333	0.00	1.63	22.799	O	|	|	|	|	11.97
65.250	0.00	1.65	23.487	O	|	|	|	|	12.23	70.417	0.00	1.63	22.788	O	|	|	|	|	11.96
65.333	0.00	1.65	23.476	O	|	|	|	|	12.22	70.500	0.00	1.63	22.777	O	|	|	|	|	11.96
65.417	0.00	1.65	23.464	O	|	|	|	|	12.22	70.583	0.00	1.63	22.766	O	|	|	|	|	11.95
65.500	0.00	1.64	23.453	O	|	|	|	|	12.21	70.667	0.00	1.63	22.754	O	|	|	|	|	11.95
65.583	0.00	1.64	23.442	O	|	|	|	|	12.21	70.750	0.00	1.63	22.743	O	|	|	|	|	11.94
65.667	0.00	1.64	23.430	O	|	|	|	|	12.20	70.833	0.00	1.63	22.732	O	|	|	|	|	11.94
65.750	0.00	1.64	23.419	O	|	|	|	|	12.20	70.917	0.00	1.63	22.721	O	|	|	|	|	11.94
65.833	0.00	1.64	23.408	O	|	|	|	|	12.20	71.000	0.00	1.63	22.710	O	|	|	|	|	11.93
65.917	0.00	1.64	23.396	O	|	|	|	|	12.19	71.083	0.00	1.62	22.699	O	|	|	|	|	11.93
66.000	0.00	1.64	23.385	O	|	|	|	|	12.19	71.167	0.00	1.62	22.687	O	|	|	|	|	11.92
66.083	0.00	1.64	23.374	O	|	|	|	|	12.18	71.250	0.00	1.62	22.676	O	|	|	|	|	11.92
66.167	0.00	1.64	23.362	O	|	|	|	|	12.18	71.333	0.00	1.62	22.665	O	|	|	|	|	11.91
66.250	0.00	1.64	23.351	O	|	|	|	|	12.18	71.417	0.00	1.62	22.654	O	|	|	|	|	11.91
66.333	0.00	1.64	23.340	O	|	|	|	|	12.17	71.500	0.00	1.62	22.643	O	|	|	|	|	11.91
66.417	0.00	1.64	23.328	O	|	|	|	|	12.17	71.583	0.00	1.62	22.631	O	|	|	|	|	11.90
66.500	0.00	1.64	23.317	O	|	|	|	|	12.16	71.667	0.00	1.62	22.620	O	|	|	|	|	11.90
66.583	0.00	1.64	23.306	O	|	|	|	|	12.16	71.750	0.00	1.62	22.609	O	|	|	|	|	11.89
66.667	0.00	1.64	23.295	O	|	|	|	|	12.15	71.833	0.00	1.62	22.598	O	|	|	|	|	11.89
66.750	0.00	1.64	23.283	O	|	|	|	|	12.15	71.917	0.00	1.62	22.587	O	|	|	|	|	11.88
66.833	0.00	1.64	23.272	O	|	|	|	|	12.15	72.000	0.00	1.62	22.576	O	|	|	|	|	11.88
66.917	0.00	1.64	23.261	O	|	|	|	|	12.14	72.083	0.00	1.62	22.564	O	|	|	|	|	11.87
67.000	0.00	1.64	23.249	O	|	|	|	|	12.14	72.167	0.00	1.62	22.553	O	|	|	|	|	11.87
67.083	0.00	1.64	23.238	O	|	|	|	|	12.13	72.250	0.00	1.62	22.542	O	|	|	|	|	11.87
67.167	0.00	1.64	23.227	O	|	|	|	|	12.13	72.333	0.00	1.62	22.531	O	|	|	|	|	11.86
67.250	0.00	1.64	23.215	O	|	|	|	|	12.12	72.417	0.00	1.62	22.520	O	|	|	|	|	11.86
67.333	0.00	1.64	23.204	O	|	|	|	|	12.12	72.500	0.00	1.62	22.509	O	|	|	|	|	11.85
67.417	0.00	1.64	23.193	O	|	|	|	|	12.12	72.583	0.00	1.62	22.497	O	|	|	|	|	11.85
67.500	0.00	1.64	23.182	O	|	|	|	|	12.11	72.667	0.00	1.62	22.486	O	|	|	|	|	11.84
67.583	0.00	1.64	23.170	O	|	|	|	|	12.11	72.750	0.00	1.62	22.475	O	|	|	|	|	11.84
67.667	0.00	1.64	23.159	O	|	|	|	|	12.10	72.833	0.00	1.62	22.464	O	|	|	|	|	11.84
67.750	0.00	1.64	23.148	O	|	|	|	|	12.10	72.917	0.00	1.62	22.453	O	|	|	|	|	11.83
67.833	0.00	1.64	23.137	O	|	|	|	|	12.09	73.000	0.00	1.62	22.442	O	|	|	|	|	11.83
67.917	0.00	1.64	23.125	O	|	|	|	|	12.09	73.083	0.00	1.62	22.431	O	|	|	|	|	11.82
68.000	0.00	1.64	23.114	O	|	|	|	|	12.09	73.167	0.00	1.62	22.419	O	|	|	|	|	11.82
68.083	0.00	1.64	23.103	O	|	|	|	|	12.08	73.250	0.00	1.62	22.408	O	|	|	|	|	11.81
68.167	0.00	1.64	23.091	O	|	|	|	|	12.08	73.333	0.00	1.62	22.397	O	|	|	|	|	11.81
68.250	0.00	1.64	23.080	O	|	|	|	|	12.07	73.417	0.00	1.62	22.386	O	|	|	|	|	11.81
68.333	0.00	1.63	23.069	O	|	|	|	|	12.07	73.500	0.00	1.62	22.375	O	|	|	|	|	11.80
68.417	0.00	1.63	23.058	O	|	|	|	|	12.06	73.583	0.00	1.62	22.364	O	|	|	|	|	11.80
68.500	0.00	1.63	23.046	O	|	|	|	|	12.06	73.667	0.00	1.62	22.353	O	|	|	|	|	11.79

73.750	0.00	1.62	22.341	O	|	|	|	|	11.79	78.917	0.00	1.60	21.656	O	|	|	|	|	11.52
73.833	0.00	1.61	22.330	O	|	|	|	|	11.78	79.000	0.00	1.60	21.645	O	|	|	|	|	11.52
73.917	0.00	1.61	22.319	O	|	|	|	|	11.78	79.083	0.00	1.60	21.634	O	|	|	|	|	11.51
74.000	0.00	1.61	22.308	O	|	|	|	|	11.77	79.167	0.00	1.60	21.623	O	|	|	|	|	11.51
74.083	0.00	1.61	22.297	O	|	|	|	|	11.77	79.250	0.00	1.60	21.612	O	|	|	|	|	11.50
74.167	0.00	1.61	22.286	O	|	|	|	|	11.77	79.333	0.00	1.59	21.601	O	|	|	|	|	11.50
74.250	0.00	1.61	22.275	O	|	|	|	|	11.76	79.417	0.00	1.59	21.590	O	|	|	|	|	11.49
74.333	0.00	1.61	22.264	O	|	|	|	|	11.76	79.500	0.00	1.59	21.579	O	|	|	|	|	11.49
74.417	0.00	1.61	22.253	O	|	|	|	|	11.75	79.583	0.00	1.59	21.568	O	|	|	|	|	11.49
74.500	0.00	1.61	22.241	O	|	|	|	|	11.75	79.667	0.00	1.59	21.557	O	|	|	|	|	11.48
74.583	0.00	1.61	22.230	O	|	|	|	|	11.74	79.750	0.00	1.59	21.546	O	|	|	|	|	11.48
74.667	0.00	1.61	22.219	O	|	|	|	|	11.74	79.833	0.00	1.59	21.535	O	|	|	|	|	11.47
74.750	0.00	1.61	22.208	O	|	|	|	|	11.74	79.917	0.00	1.59	21.524	O	|	|	|	|	11.47
74.833	0.00	1.61	22.197	O	|	|	|	|	11.73	80.000	0.00	1.59	21.513	O	|	|	|	|	11.46
74.917	0.00	1.61	22.186	O	|	|	|	|	11.73	80.083	0.00	1.59	21.502	O	|	|	|	|	11.46
75.000	0.00	1.61	22.175	O	|	|	|	|	11.72	80.167	0.00	1.59	21.491	O	|	|	|	|	11.46
75.083	0.00	1.61	22.164	O	|	|	|	|	11.72	80.250	0.00	1.59	21.480	O	|	|	|	|	11.45
75.167	0.00	1.61	22.153	O	|	|	|	|	11.71	80.333	0.00	1.59	21.469	O	|	|	|	|	11.45
75.250	0.00	1.61	22.142	O	|	|	|	|	11.71	80.417	0.00	1.59	21.458	O	|	|	|	|	11.44
75.333	0.00	1.61	22.131	O	|	|	|	|	11.71	80.500	0.00	1.59	21.447	O	|	|	|	|	11.44
75.417	0.00	1.61	22.119	O	|	|	|	|	11.70	80.583	0.00	1.59	21.436	O	|	|	|	|	11.43
75.500	0.00	1.61	22.108	O	|	|	|	|	11.70	80.667	0.00	1.59	21.425	O	|	|	|	|	11.43
75.583	0.00	1.61	22.097	O	|	|	|	|	11.69	80.750	0.00	1.59	21.414	O	|	|	|	|	11.43
75.667	0.00	1.61	22.086	O	|	|	|	|	11.69	80.833	0.00	1.59	21.403	O	|	|	|	|	11.42
75.750	0.00	1.61	22.075	O	|	|	|	|	11.68	80.917	0.00	1.59	21.393	O	|	|	|	|	11.42
75.833	0.00	1.61	22.064	O	|	|	|	|	11.68	81.000	0.00	1.59	21.382	O	|	|	|	|	11.41
75.917	0.00	1.61	22.053	O	|	|	|	|	11.68	81.083	0.00	1.59	21.371	O	|	|	|	|	11.41
76.000	0.00	1.61	22.042	O	|	|	|	|	11.67	81.167	0.00	1.59	21.360	O	|	|	|	|	11.40
76.083	0.00	1.61	22.031	O	|	|	|	|	11.67	81.250	0.00	1.59	21.349	O	|	|	|	|	11.40
76.167	0.00	1.61	22.020	O	|	|	|	|	11.66	81.333	0.00	1.59	21.338	O	|	|	|	|	11.40
76.250	0.00	1.61	22.009	O	|	|	|	|	11.66	81.417	0.00	1.59	21.327	O	|	|	|	|	11.39
76.333	0.00	1.61	21.998	O	|	|	|	|	11.65	81.500	0.00	1.59	21.316	O	|	|	|	|	11.39
76.417	0.00	1.61	21.987	O	|	|	|	|	11.65	81.583	0.00	1.59	21.305	O	|	|	|	|	11.38
76.500	0.00	1.61	21.976	O	|	|	|	|	11.65	81.667	0.00	1.59	21.294	O	|	|	|	|	11.38
76.583	0.00	1.60	21.964	O	|	|	|	|	11.64	81.750	0.00	1.59	21.283	O	|	|	|	|	11.38
76.667	0.00	1.60	21.953	O	|	|	|	|	11.64	81.833	0.00	1.59	21.272	O	|	|	|	|	11.37
76.750	0.00	1.60	21.942	O	|	|	|	|	11.63	81.917	0.00	1.59	21.261	O	|	|	|	|	11.37
76.833	0.00	1.60	21.931	O	|	|	|	|	11.63	82.000	0.00	1.59	21.250	O	|	|	|	|	11.36
76.917	0.00	1.60	21.920	O	|	|	|	|	11.62	82.083	0.00	1.59	21.240	O	|	|	|	|	11.36
77.000	0.00	1.60	21.909	O	|	|	|	|	11.62	82.167	0.00	1.58	21.229	O	|	|	|	|	11.35
77.083	0.00	1.60	21.898	O	|	|	|	|	11.61	82.250	0.00	1.58	21.218	O	|	|	|	|	11.35
77.167	0.00	1.60	21.887	O	|	|	|	|	11.61	82.333	0.00	1.58	21.207	O	|	|	|	|	11.35
77.250	0.00	1.60	21.876	O	|	|	|	|	11.61	82.417	0.00	1.58	21.196	O	|	|	|	|	11.34
77.333	0.00	1.60	21.865	O	|	|	|	|	11.60	82.500	0.00	1.58	21.185	O	|	|	|	|	11.34
77.417	0.00	1.60	21.854	O	|	|	|	|	11.60	82.583	0.00	1.58	21.174	O	|	|	|	|	11.33
77.500	0.00	1.60	21.843	O	|	|	|	|	11.59	82.667	0.00	1.58	21.163	O	|	|	|	|	11.33
77.583	0.00	1.60	21.832	O	|	|	|	|	11.59	82.750	0.00	1.58	21.152	O	|	|	|	|	11.32
77.667	0.00	1.60	21.821	O	|	|	|	|	11.58	82.833	0.00	1.58	21.141	O	|	|	|	|	11.32
77.750	0.00	1.60	21.810	O	|	|	|	|	11.58	82.917	0.00	1.58	21.130	O	|	|	|	|	11.32
77.833	0.00	1.60	21.799	O	|	|	|	|	11.58	83.000	0.00	1.58	21.120	O	|	|	|	|	11.31
77.917	0.00	1.60	21.788	O	|	|	|	|	11.57	83.083	0.00	1.58	21.109	O	|	|	|	|	11.31
78.000	0.00	1.60	21.777	O	|	|	|	|	11.57	83.167	0.00	1.58	21.098	O	|	|	|	|	11.30
78.083	0.00	1.60	21.766	O	|	|	|	|	11.56	83.250	0.00	1.58	21.087	O	|	|	|	|	11.30
78.167	0.00	1.60	21.755	O	|	|	|	|	11.56	83.333	0.00	1.58	21.076	O	|	|	|	|	11.29
78.250	0.00	1.60	21.744	O	|	|	|	|	11.55	83.417	0.00	1.58	21.065	O	|	|	|	|	11.29
78.333	0.00	1.60	21.733	O	|	|	|	|	11.55	83.500	0.00	1.58	21.054	O	|	|	|	|	11.29
78.417	0.00	1.60	21.722	O	|	|	|	|	11.55	83.583	0.00	1.58	21.043	O	|	|	|	|	11.28
78.500	0.00	1.60	21.711	O	|	|	|	|	11.54	83.667	0.00	1.58	21.032	O	|	|	|	|	11.28
78.583	0.00	1.60	21.700	O	|	|	|	|	11.54	83.750	0.00	1.58	21.022	O	|	|	|	|	11.27
78.667	0.00	1.60	21.689	O	|	|	|	|	11.53	83.833	0.00	1.58	21.011	O	|	|	|	|	11.27
78.750	0.00	1.60	21.678	O	|	|	|	|	11.53	83.917	0.00	1.58	21.000	O	|	|	|	|	11.26
78.833	0.00	1.60	21.667	O	|	|	|	|	11.52	84.000	0.00	1.58	20.989	O	|	|	|	|	11.26

84.083	0.00	1.58	20.978	O	|	|	|	|	11.26	89.250	0.00	1.56	20.308	O	|	|	|	|	10.99
84.167	0.00	1.58	20.967	O	|	|	|	|	11.25	89.333	0.00	1.56	20.298	O	|	|	|	|	10.99
84.250	0.00	1.58	20.956	O	|	|	|	|	11.25	89.417	0.00	1.56	20.287	O	|	|	|	|	10.99
84.333	0.00	1.58	20.946	O	|	|	|	|	11.24	89.500	0.00	1.56	20.276	O	|	|	|	|	10.98
84.417	0.00	1.58	20.935	O	|	|	|	|	11.24	89.583	0.00	1.56	20.265	O	|	|	|	|	10.98
84.500	0.00	1.58	20.924	O	|	|	|	|	11.24	89.667	0.00	1.56	20.255	O	|	|	|	|	10.97
84.583	0.00	1.58	20.913	O	|	|	|	|	11.23	89.750	0.00	1.56	20.244	O	|	|	|	|	10.97
84.667	0.00	1.58	20.902	O	|	|	|	|	11.23	89.833	0.00	1.56	20.233	O	|	|	|	|	10.96
84.750	0.00	1.58	20.891	O	|	|	|	|	11.22	89.917	0.00	1.56	20.222	O	|	|	|	|	10.96
84.833	0.00	1.58	20.880	O	|	|	|	|	11.22	90.000	0.00	1.56	20.212	O	|	|	|	|	10.96
84.917	0.00	1.57	20.870	O	|	|	|	|	11.21	90.083	0.00	1.56	20.201	O	|	|	|	|	10.95
85.000	0.00	1.57	20.859	O	|	|	|	|	11.21	90.167	0.00	1.56	20.190	O	|	|	|	|	10.95
85.083	0.00	1.57	20.848	O	|	|	|	|	11.21	90.250	0.00	1.56	20.180	O	|	|	|	|	10.94
85.167	0.00	1.57	20.837	O	|	|	|	|	11.20	90.333	0.00	1.56	20.169	O	|	|	|	|	10.94
85.250	0.00	1.57	20.826	O	|	|	|	|	11.20	90.417	0.00	1.56	20.158	O	|	|	|	|	10.93
85.333	0.00	1.57	20.815	O	|	|	|	|	11.19	90.500	0.00	1.56	20.147	O	|	|	|	|	10.93
85.417	0.00	1.57	20.804	O	|	|	|	|	11.19	90.583	0.00	1.55	20.137	O	|	|	|	|	10.92
85.500	0.00	1.57	20.794	O	|	|	|	|	11.18	90.667	0.00	1.55	20.126	O	|	|	|	|	10.92
85.583	0.00	1.57	20.783	O	|	|	|	|	11.18	90.750	0.00	1.55	20.115	O	|	|	|	|	10.92
85.667	0.00	1.57	20.772	O	|	|	|	|	11.18	90.833	0.00	1.55	20.105	O	|	|	|	|	10.91
85.750	0.00	1.57	20.761	O	|	|	|	|	11.17	90.917	0.00	1.55	20.094	O	|	|	|	|	10.91
85.833	0.00	1.57	20.750	O	|	|	|	|	11.17	91.000	0.00	1.55	20.083	O	|	|	|	|	10.90
85.917	0.00	1.57	20.740	O	|	|	|	|	11.16	91.083	0.00	1.55	20.072	O	|	|	|	|	10.90
86.000	0.00	1.57	20.729	O	|	|	|	|	11.16	91.167	0.00	1.55	20.062	O	|	|	|	|	10.89
86.083	0.00	1.57	20.718	O	|	|	|	|	11.15	91.250	0.00	1.55	20.051	O	|	|	|	|	10.89
86.167	0.00	1.57	20.707	O	|	|	|	|	11.15	91.333	0.00	1.55	20.040	O	|	|	|	|	10.88
86.250	0.00	1.57	20.696	O	|	|	|	|	11.15	91.417	0.00	1.55	20.030	O	|	|	|	|	10.88
86.333	0.00	1.57	20.685	O	|	|	|	|	11.14	91.500	0.00	1.55	20.019	O	|	|	|	|	10.88
86.417	0.00	1.57	20.675	O	|	|	|	|	11.14	91.583	0.00	1.55	20.008	O	|	|	|	|	10.87
86.500	0.00	1.57	20.664	O	|	|	|	|	11.13	91.667	0.00	1.55	19.998	O	|	|	|	|	10.87
86.583	0.00	1.57	20.653	O	|	|	|	|	11.13	91.750	0.00	1.55	19.987	O	|	|	|	|	10.86
86.667	0.00	1.57	20.642	O	|	|	|	|	11.13	91.833	0.00	1.55	19.976	O	|	|	|	|	10.86
86.750	0.00	1.57	20.631	O	|	|	|	|	11.12	91.917	0.00	1.55	19.966	O	|	|	|	|	10.85
86.833	0.00	1.57	20.621	O	|	|	|	|	11.12	92.000	0.00	1.55	19.955	O	|	|	|	|	10.85
86.917	0.00	1.57	20.610	O	|	|	|	|	11.11	92.083	0.00	1.55	19.944	O	|	|	|	|	10.85
87.000	0.00	1.57	20.599	O	|	|	|	|	11.11	92.167	0.00	1.55	19.934	O	|	|	|	|	10.84
87.083	0.00	1.57	20.588	O	|	|	|	|	11.10	92.250	0.00	1.55	19.923	O	|	|	|	|	10.84
87.167	0.00	1.57	20.577	O	|	|	|	|	11.10	92.333	0.00	1.55	19.912	O	|	|	|	|	10.83
87.250	0.00	1.57	20.567	O	|	|	|	|	11.10	92.417	0.00	1.55	19.902	O	|	|	|	|	10.83
87.333	0.00	1.57	20.556	O	|	|	|	|	11.09	92.500	0.00	1.55	19.891	O	|	|	|	|	10.82
87.417	0.00	1.57	20.545	O	|	|	|	|	11.09	92.583	0.00	1.55	19.880	O	|	|	|	|	10.82
87.500	0.00	1.57	20.534	O	|	|	|	|	11.08	92.667	0.00	1.55	19.870	O	|	|	|	|	10.81
87.583	0.00	1.57	20.523	O	|	|	|	|	11.08	92.750	0.00	1.55	19.859	O	|	|	|	|	10.81
87.667	0.00	1.57	20.513	O	|	|	|	|	11.07	92.833	0.00	1.55	19.848	O	|	|	|	|	10.81
87.750	0.00	1.56	20.502	O	|	|	|	|	11.07	92.917	0.00	1.55	19.838	O	|	|	|	|	10.80
87.833	0.00	1.56	20.491	O	|	|	|	|	11.07	93.000	0.00	1.55	19.827	O	|	|	|	|	10.80
87.917	0.00	1.56	20.480	O	|	|	|	|	11.06	93.083	0.00	1.55	19.816	O	|	|	|	|	10.79
88.000	0.00	1.56	20.470	O	|	|	|	|	11.06	93.167	0.00	1.55	19.806	O	|	|	|	|	10.79
88.083	0.00	1.56	20.459	O	|	|	|	|	11.05	93.250	0.00	1.54	19.795	O	|	|	|	|	10.78
88.167	0.00	1.56	20.448	O	|	|	|	|	11.05	93.333	0.00	1.54	19.784	O	|	|	|	|	10.78
88.250	0.00	1.56	20.437	O	|	|	|	|	11.05	93.417	0.00	1.54	19.774	O	|	|	|	|	10.78
88.333	0.00	1.56	20.427	O	|	|	|	|	11.04	93.500	0.00	1.54	19.763	O	|	|	|	|	10.77
88.417	0.00	1.56	20.416	O	|	|	|	|	11.04	93.583	0.00	1.54	19.753	O	|	|	|	|	10.77
88.500	0.00	1.56	20.405	O	|	|	|	|	11.03	93.667	0.00	1.54	19.742	O	|	|	|	|	10.76
88.583	0.00	1.56	20.394	O	|	|	|	|	11.03	93.750	0.00	1.54	19.731	O	|	|	|	|	10.76
88.667	0.00	1.56	20.383	O	|	|	|	|	11.02	93.833	0.00	1.54	19.721	O	|	|	|	|	10.75
88.750	0.00	1.56	20.373	O	|	|	|	|	11.02	93.917	0.00	1.54	19.710	O	|	|	|	|	10.75
88.833	0.00	1.56	20.362	O	|	|	|	|	11.02	94.000	0.00	1.54	19.699	O	|	|	|	|	10.74
88.917	0.00	1.56	20.351	O	|	|	|	|	11.01	94.083	0.00	1.54	19.689	O	|	|	|	|	10.74
89.000	0.00	1.56	20.340	O	|	|	|	|	11.01	94.167	0.00	1.54	19.678	O	|	|	|	|	10.74
89.083	0.00	1.56	20.330	O	|	|	|	|	11.00	94.250	0.00	1.54	19.668	O	|	|	|	|	10.73
89.167	0.00	1.56	20.319	O	|	|	|	|	11.00	94.333	0.00	1.54	19.657	O	|	|	|	|	10.73

94.417	0.00	1.54	19.646	O	|	|	|	|	10.72	99.583	0.00	1.52	18.993	O	|	|	|	|	10.45
94.500	0.00	1.54	19.636	O	|	|	|	|	10.72	99.667	0.00	1.52	18.982	O	|	|	|	|	10.45
94.583	0.00	1.54	19.625	O	|	|	|	|	10.71	99.750	0.00	1.52	18.972	O	|	|	|	|	10.45
94.667	0.00	1.54	19.615	O	|	|	|	|	10.71	99.833	0.00	1.52	18.961	O	|	|	|	|	10.44
94.750	0.00	1.54	19.604	O	|	|	|	|	10.71	99.917	0.00	1.52	18.951	O	|	|	|	|	10.44
94.833	0.00	1.54	19.593	O	|	|	|	|	10.70	100.000	0.00	1.52	18.940	O	|	|	|	|	10.43
94.917	0.00	1.54	19.583	O	|	|	|	|	10.70	100.083	0.00	1.52	18.930	O	|	|	|	|	10.43
95.000	0.00	1.54	19.572	O	|	|	|	|	10.69	100.167	0.00	1.52	18.919	O	|	|	|	|	10.42
95.083	0.00	1.54	19.562	O	|	|	|	|	10.69	100.250	0.00	1.52	18.909	O	|	|	|	|	10.42
95.167	0.00	1.54	19.551	O	|	|	|	|	10.68	100.333	0.00	1.52	18.898	O	|	|	|	|	10.42
95.250	0.00	1.54	19.540	O	|	|	|	|	10.68	100.417	0.00	1.52	18.888	O	|	|	|	|	10.41
95.333	0.00	1.54	19.530	O	|	|	|	|	10.68	100.500	0.00	1.52	18.877	O	|	|	|	|	10.41
95.417	0.00	1.54	19.519	O	|	|	|	|	10.67	100.583	0.00	1.52	18.867	O	|	|	|	|	10.40
95.500	0.00	1.54	19.509	O	|	|	|	|	10.67	100.667	0.00	1.52	18.856	O	|	|	|	|	10.40
95.583	0.00	1.54	19.498	O	|	|	|	|	10.66	100.750	0.00	1.52	18.846	O	|	|	|	|	10.39
95.667	0.00	1.54	19.487	O	|	|	|	|	10.66	100.833	0.00	1.52	18.836	O	|	|	|	|	10.39
95.750	0.00	1.54	19.477	O	|	|	|	|	10.65	100.917	0.00	1.52	18.825	O	|	|	|	|	10.39
95.833	0.00	1.54	19.466	O	|	|	|	|	10.65	101.000	0.00	1.52	18.815	O	|	|	|	|	10.38
95.917	0.00	1.54	19.456	O	|	|	|	|	10.64	101.083	0.00	1.52	18.804	O	|	|	|	|	10.38
96.000	0.00	1.53	19.445	O	|	|	|	|	10.64	101.167	0.00	1.52	18.794	O	|	|	|	|	10.37
96.083	0.00	1.53	19.435	O	|	|	|	|	10.64	101.250	0.00	1.52	18.783	O	|	|	|	|	10.37
96.167	0.00	1.53	19.424	O	|	|	|	|	10.63	101.333	0.00	1.52	18.773	O	|	|	|	|	10.36
96.250	0.00	1.53	19.413	O	|	|	|	|	10.63	101.417	0.00	1.52	18.762	O	|	|	|	|	10.36
96.333	0.00	1.53	19.403	O	|	|	|	|	10.62	101.500	0.00	1.51	18.752	O	|	|	|	|	10.36
96.417	0.00	1.53	19.392	O	|	|	|	|	10.62	101.583	0.00	1.51	18.742	O	|	|	|	|	10.35
96.500	0.00	1.53	19.382	O	|	|	|	|	10.61	101.667	0.00	1.51	18.731	O	|	|	|	|	10.35
96.583	0.00	1.53	19.371	O	|	|	|	|	10.61	101.750	0.00	1.51	18.721	O	|	|	|	|	10.34
96.667	0.00	1.53	19.361	O	|	|	|	|	10.61	101.833	0.00	1.51	18.710	O	|	|	|	|	10.34
96.750	0.00	1.53	19.350	O	|	|	|	|	10.60	101.917	0.00	1.51	18.700	O	|	|	|	|	10.33
96.833	0.00	1.53	19.340	O	|	|	|	|	10.60	102.000	0.00	1.51	18.689	O	|	|	|	|	10.33
96.917	0.00	1.53	19.329	O	|	|	|	|	10.59	102.083	0.00	1.51	18.679	O	|	|	|	|	10.33
97.000	0.00	1.53	19.318	O	|	|	|	|	10.59	102.167	0.00	1.51	18.669	O	|	|	|	|	10.32
97.083	0.00	1.53	19.308	O	|	|	|	|	10.58	102.250	0.00	1.51	18.658	O	|	|	|	|	10.32
97.167	0.00	1.53	19.297	O	|	|	|	|	10.58	102.333	0.00	1.51	18.648	O	|	|	|	|	10.31
97.250	0.00	1.53	19.287	O	|	|	|	|	10.58	102.417	0.00	1.51	18.637	O	|	|	|	|	10.31
97.333	0.00	1.53	19.276	O	|	|	|	|	10.57	102.500	0.00	1.51	18.627	O	|	|	|	|	10.30
97.417	0.00	1.53	19.266	O	|	|	|	|	10.57	102.583	0.00	1.51	18.617	O	|	|	|	|	10.30
97.500	0.00	1.53	19.255	O	|	|	|	|	10.56	102.667	0.00	1.51	18.606	O	|	|	|	|	10.30
97.583	0.00	1.53	19.245	O	|	|	|	|	10.56	102.750	0.00	1.51	18.596	O	|	|	|	|	10.29
97.667	0.00	1.53	19.234	O	|	|	|	|	10.55	102.833	0.00	1.51	18.585	O	|	|	|	|	10.29
97.750	0.00	1.53	19.224	O	|	|	|	|	10.55	102.917	0.00	1.51	18.575	O	|	|	|	|	10.28
97.833	0.00	1.53	19.213	O	|	|	|	|	10.55	103.000	0.00	1.51	18.565	O	|	|	|	|	10.28
97.917	0.00	1.53	19.203	O	|	|	|	|	10.54	103.083	0.00	1.51	18.554	O	|	|	|	|	10.27
98.000	0.00	1.53	19.192	O	|	|	|	|	10.54	103.167	0.00	1.51	18.544	O	|	|	|	|	10.27
98.083	0.00	1.53	19.182	O	|	|	|	|	10.53	103.250	0.00	1.51	18.533	O	|	|	|	|	10.27
98.167	0.00	1.53	19.171	O	|	|	|	|	10.53	103.333	0.00	1.51	18.523	O	|	|	|	|	10.26
98.250	0.00	1.53	19.160	O	|	|	|	|	10.52	103.417	0.00	1.51	18.513	O	|	|	|	|	10.26
98.333	0.00	1.53	19.150	O	|	|	|	|	10.52	103.500	0.00	1.51	18.502	O	|	|	|	|	10.25
98.417	0.00	1.53	19.139	O	|	|	|	|	10.52	103.583	0.00	1.51	18.492	O	|	|	|	|	10.25
98.500	0.00	1.53	19.129	O	|	|	|	|	10.51	103.667	0.00	1.51	18.481	O	|	|	|	|	10.25
98.583	0.00	1.53	19.118	O	|	|	|	|	10.51	103.750	0.00	1.51	18.471	O	|	|	|	|	10.24
98.667	0.00	1.53	19.108	O	|	|	|	|	10.50	103.833	0.00	1.51	18.461	O	|	|	|	|	10.24
98.750	0.00	1.52	19.097	O	|	|	|	|	10.50	103.917	0.00	1.51	18.450	O	|	|	|	|	10.23
98.833	0.00	1.52	19.087	O	|	|	|	|	10.49	104.000	0.00	1.51	18.440	O	|	|	|	|	10.23
98.917	0.00	1.52	19.076	O	|	|	|	|	10.49	104.083	0.00	1.51	18.430	O	|	|	|	|	10.22
99.000	0.00	1.52	19.066	O	|	|	|	|	10.49	104.167	0.00	1.51	18.419	O	|	|	|	|	10.22
99.083	0.00	1.52	19.055	O	|	|	|	|	10.48	104.250	0.00	1.51	18.409	O	|	|	|	|	10.22
99.167	0.00	1.52	19.045	O	|	|	|	|	10.48	104.333	0.00	1.50	18.398	O	|	|	|	|	10.21
99.250	0.00	1.52	19.034	O	|	|	|	|	10.47	104.417	0.00	1.50	18.388	O	|	|	|	|	10.21
99.333	0.00	1.52	19.024	O	|	|	|	|	10.47	104.500	0.00	1.50	18.378	O	|	|	|	|	10.20
99.417	0.00	1.52	19.013	O	|	|	|	|	10.46	104.583	0.00	1.50	18.367	O	|	|	|	|	10.20
99.500	0.00	1.52	19.003	O	|	|	|	|	10.46	104.667	0.00	1.50	18.357	O	|	|	|	|	10.19

104.750	0.00	1.50	18.347	O	|	|	|	|	10.19	109.917	0.00	1.48	17.709	O	|	|	|	|	9.92
104.833	0.00	1.50	18.336	O	|	|	|	|	10.19	110.000	0.00	1.48	17.699	O	|	|	|	|	9.92
104.917	0.00	1.50	18.326	O	|	|	|	|	10.18	110.083	0.00	1.48	17.688	O	|	|	|	|	9.92
105.000	0.00	1.50	18.316	O	|	|	|	|	10.18	110.167	0.00	1.48	17.678	O	|	|	|	|	9.91
105.083	0.00	1.50	18.305	O	|	|	|	|	10.17	110.250	0.00	1.48	17.668	O	|	|	|	|	9.91
105.167	0.00	1.50	18.295	O	|	|	|	|	10.17	110.333	0.00	1.48	17.658	O	|	|	|	|	9.90
105.250	0.00	1.50	18.285	O	|	|	|	|	10.16	110.417	0.00	1.48	17.647	O	|	|	|	|	9.90
105.333	0.00	1.50	18.274	O	|	|	|	|	10.16	110.500	0.00	1.48	17.637	O	|	|	|	|	9.89
105.417	0.00	1.50	18.264	O	|	|	|	|	10.16	110.583	0.00	1.48	17.627	O	|	|	|	|	9.89
105.500	0.00	1.50	18.254	O	|	|	|	|	10.15	110.667	0.00	1.48	17.617	O	|	|	|	|	9.88
105.583	0.00	1.50	18.243	O	|	|	|	|	10.15	110.750	0.00	1.48	17.607	O	|	|	|	|	9.88
105.667	0.00	1.50	18.233	O	|	|	|	|	10.14	110.833	0.00	1.48	17.596	O	|	|	|	|	9.88
105.750	0.00	1.50	18.223	O	|	|	|	|	10.14	110.917	0.00	1.48	17.586	O	|	|	|	|	9.87
105.833	0.00	1.50	18.212	O	|	|	|	|	10.13	111.000	0.00	1.48	17.576	O	|	|	|	|	9.87
105.917	0.00	1.50	18.202	O	|	|	|	|	10.13	111.083	0.00	1.48	17.566	O	|	|	|	|	9.86
106.000	0.00	1.50	18.192	O	|	|	|	|	10.13	111.167	0.00	1.48	17.556	O	|	|	|	|	9.86
106.083	0.00	1.50	18.181	O	|	|	|	|	10.12	111.250	0.00	1.48	17.546	O	|	|	|	|	9.85
106.167	0.00	1.50	18.171	O	|	|	|	|	10.12	111.333	0.00	1.48	17.535	O	|	|	|	|	9.85
106.250	0.00	1.50	18.161	O	|	|	|	|	10.11	111.417	0.00	1.48	17.525	O	|	|	|	|	9.84
106.333	0.00	1.50	18.150	O	|	|	|	|	10.11	111.500	0.00	1.48	17.515	O	|	|	|	|	9.84
106.417	0.00	1.50	18.140	O	|	|	|	|	10.11	111.583	0.00	1.48	17.505	O	|	|	|	|	9.84
106.500	0.00	1.50	18.130	O	|	|	|	|	10.10	111.667	0.00	1.48	17.495	O	|	|	|	|	9.83
106.583	0.00	1.50	18.119	O	|	|	|	|	10.10	111.750	0.00	1.48	17.485	O	|	|	|	|	9.83
106.667	0.00	1.50	18.109	O	|	|	|	|	10.09	111.833	0.00	1.48	17.474	O	|	|	|	|	9.82
106.750	0.00	1.50	18.099	O	|	|	|	|	10.09	111.917	0.00	1.48	17.464	O	|	|	|	|	9.82
106.833	0.00	1.50	18.088	O	|	|	|	|	10.08	112.000	0.00	1.48	17.454	O	|	|	|	|	9.81
106.917	0.00	1.50	18.078	O	|	|	|	|	10.08	112.083	0.00	1.47	17.444	O	|	|	|	|	9.81
107.000	0.00	1.50	18.068	O	|	|	|	|	10.08	112.167	0.00	1.47	17.434	O	|	|	|	|	9.81
107.083	0.00	1.49	18.058	O	|	|	|	|	10.07	112.250	0.00	1.47	17.424	O	|	|	|	|	9.80
107.167	0.00	1.49	18.047	O	|	|	|	|	10.07	112.333	0.00	1.47	17.413	O	|	|	|	|	9.80
107.250	0.00	1.49	18.037	O	|	|	|	|	10.06	112.417	0.00	1.47	17.403	O	|	|	|	|	9.79
107.333	0.00	1.49	18.027	O	|	|	|	|	10.06	112.500	0.00	1.47	17.393	O	|	|	|	|	9.79
107.417	0.00	1.49	18.016	O	|	|	|	|	10.05	112.583	0.00	1.47	17.383	O	|	|	|	|	9.78
107.500	0.00	1.49	18.006	O	|	|	|	|	10.05	112.667	0.00	1.47	17.373	O	|	|	|	|	9.78
107.583	0.00	1.49	17.996	O	|	|	|	|	10.05	112.750	0.00	1.47	17.363	O	|	|	|	|	9.77
107.667	0.00	1.49	17.986	O	|	|	|	|	10.04	112.833	0.00	1.47	17.353	O	|	|	|	|	9.77
107.750	0.00	1.49	17.975	O	|	|	|	|	10.04	112.917	0.00	1.47	17.342	O	|	|	|	|	9.77
107.833	0.00	1.49	17.965	O	|	|	|	|	10.03	113.000	0.00	1.47	17.332	O	|	|	|	|	9.76
107.917	0.00	1.49	17.955	O	|	|	|	|	10.03	113.083	0.00	1.47	17.322	O	|	|	|	|	9.76
108.000	0.00	1.49	17.944	O	|	|	|	|	10.02	113.167	0.00	1.47	17.312	O	|	|	|	|	9.75
108.083	0.00	1.49	17.934	O	|	|	|	|	10.02	113.250	0.00	1.47	17.302	O	|	|	|	|	9.75
108.167	0.00	1.49	17.924	O	|	|	|	|	10.02	113.333	0.00	1.47	17.292	O	|	|	|	|	9.74
108.250	0.00	1.49	17.914	O	|	|	|	|	10.01	113.417	0.00	1.47	17.282	O	|	|	|	|	9.74
108.333	0.00	1.49	17.903	O	|	|	|	|	10.01	113.500	0.00	1.47	17.272	O	|	|	|	|	9.74
108.417	0.00	1.49	17.893	O	|	|	|	|	10.00	113.583	0.00	1.47	17.261	O	|	|	|	|	9.73
108.500	0.00	1.49	17.883	O	|	|	|	|	10.00	113.667	0.00	1.47	17.251	O	|	|	|	|	9.73
108.583	0.00	1.49	17.873	O	|	|	|	|	10.00	113.750	0.00	1.47	17.241	O	|	|	|	|	9.72
108.667	0.00	1.49	17.862	O	|	|	|	|	9.99	113.833	0.00	1.47	17.231	O	|	|	|	|	9.72
108.750	0.00	1.49	17.852	O	|	|	|	|	9.99	113.917	0.00	1.47	17.221	O	|	|	|	|	9.71
108.833	0.00	1.49	17.842	O	|	|	|	|	9.98	114.000	0.00	1.47	17.211	O	|	|	|	|	9.71
108.917	0.00	1.49	17.832	O	|	|	|	|	9.98	114.083	0.00	1.47	17.201	O	|	|	|	|	9.70
109.000	0.00	1.49	17.821	O	|	|	|	|	9.97	114.167	0.00	1.47	17.191	O	|	|	|	|	9.70
109.083	0.00	1.49	17.811	O	|	|	|	|	9.97	114.250	0.00	1.47	17.181	O	|	|	|	|	9.70
109.167	0.00	1.49	17.801	O	|	|	|	|	9.96	114.333	0.00	1.47	17.171	O	|	|	|	|	9.69
109.250	0.00	1.49	17.791	O	|	|	|	|	9.96	114.417	0.00	1.46	17.160	O	|	|	|	|	9.69
109.333	0.00	1.49	17.780	O	|	|	|	|	9.96	114.500	0.00	1.46	17.150	O	|	|	|	|	9.68
109.417	0.00	1.49	17.770	O	|	|	|	|	9.95	114.583	0.00	1.46	17.140	O	|	|	|	|	9.68
109.500	0.00	1.49	17.760	O	|	|	|	|	9.95	114.667	0.00	1.46	17.130	O	|	|	|	|	9.67
109.583	0.00	1.49	17.750	O	|	|	|	|	9.94	114.750	0.00	1.46	17.120	O	|	|	|	|	9.67
109.667	0.00	1.48	17.739	O	|	|	|	|	9.94	114.833	0.00	1.46	17.110	O	|	|	|	|	9.67
109.750	0.00	1.48	17.729	O	|	|	|	|	9.93	114.917	0.00	1.46	17.100	O	|	|	|	|	9.66
109.833	0.00	1.48	17.719	O	|	|	|	|	9.93	115.000	0.00	1.46	17.090	O	|	|	|	|	9.66

115.083	0.00	1.46	17.080	O	|	|	|	|	9.65	120.250	0.00	1.44	16.460	O	|	|	|	|	9.38
115.167	0.00	1.46	17.070	O	|	|	|	|	9.65	120.333	0.00	1.44	16.450	O	|	|	|	|	9.38
115.250	0.00	1.46	17.060	O	|	|	|	|	9.64	120.417	0.00	1.44	16.440	O	|	|	|	|	9.38
115.333	0.00	1.46	17.050	O	|	|	|	|	9.64	120.500	0.00	1.44	16.430	O	|	|	|	|	9.37
115.417	0.00	1.46	17.040	O	|	|	|	|	9.63	120.583	0.00	1.44	16.420	O	|	|	|	|	9.37
115.500	0.00	1.46	17.029	O	|	|	|	|	9.63	120.667	0.00	1.44	16.410	O	|	|	|	|	9.36
115.583	0.00	1.46	17.019	O	|	|	|	|	9.63	120.750	0.00	1.44	16.401	O	|	|	|	|	9.36
115.667	0.00	1.46	17.009	O	|	|	|	|	9.62	120.833	0.00	1.44	16.391	O	|	|	|	|	9.35
115.750	0.00	1.46	16.999	O	|	|	|	|	9.62	120.917	0.00	1.44	16.381	O	|	|	|	|	9.35
115.833	0.00	1.46	16.989	O	|	|	|	|	9.61	121.000	0.00	1.44	16.371	O	|	|	|	|	9.35
115.917	0.00	1.46	16.979	O	|	|	|	|	9.61	121.083	0.00	1.44	16.361	O	|	|	|	|	9.34
116.000	0.00	1.46	16.969	O	|	|	|	|	9.60	121.167	0.00	1.44	16.351	O	|	|	|	|	9.34
116.083	0.00	1.46	16.959	O	|	|	|	|	9.60	121.250	0.00	1.44	16.341	O	|	|	|	|	9.33
116.167	0.00	1.46	16.949	O	|	|	|	|	9.60	121.333	0.00	1.44	16.331	O	|	|	|	|	9.33
116.250	0.00	1.46	16.939	O	|	|	|	|	9.59	121.417	0.00	1.44	16.321	O	|	|	|	|	9.32
116.333	0.00	1.46	16.929	O	|	|	|	|	9.59	121.500	0.00	1.44	16.311	O	|	|	|	|	9.32
116.417	0.00	1.46	16.919	O	|	|	|	|	9.58	121.583	0.00	1.44	16.302	O	|	|	|	|	9.32
116.500	0.00	1.46	16.909	O	|	|	|	|	9.58	121.667	0.00	1.43	16.292	O	|	|	|	|	9.31
116.583	0.00	1.46	16.899	O	|	|	|	|	9.57	121.750	0.00	1.43	16.282	O	|	|	|	|	9.31
116.667	0.00	1.46	16.889	O	|	|	|	|	9.57	121.833	0.00	1.43	16.272	O	|	|	|	|	9.30
116.750	0.00	1.46	16.879	O	|	|	|	|	9.57	121.917	0.00	1.43	16.262	O	|	|	|	|	9.30
116.833	0.00	1.45	16.869	O	|	|	|	|	9.56	122.000	0.00	1.43	16.252	O	|	|	|	|	9.29
116.917	0.00	1.45	16.859	O	|	|	|	|	9.56	122.083	0.00	1.43	16.242	O	|	|	|	|	9.29
117.000	0.00	1.45	16.849	O	|	|	|	|	9.55	122.167	0.00	1.43	16.232	O	|	|	|	|	9.29
117.083	0.00	1.45	16.839	O	|	|	|	|	9.55	122.250	0.00	1.43	16.223	O	|	|	|	|	9.28
117.167	0.00	1.45	16.829	O	|	|	|	|	9.54	122.333	0.00	1.43	16.213	O	|	|	|	|	9.28
117.250	0.00	1.45	16.819	O	|	|	|	|	9.54	122.417	0.00	1.43	16.203	O	|	|	|	|	9.27
117.333	0.00	1.45	16.809	O	|	|	|	|	9.54	122.500	0.00	1.43	16.193	O	|	|	|	|	9.27
117.417	0.00	1.45	16.799	O	|	|	|	|	9.53	122.583	0.00	1.43	16.183	O	|	|	|	|	9.26
117.500	0.00	1.45	16.789	O	|	|	|	|	9.53	122.667	0.00	1.43	16.173	O	|	|	|	|	9.26
117.583	0.00	1.45	16.779	O	|	|	|	|	9.52	122.750	0.00	1.43	16.163	O	|	|	|	|	9.26
117.667	0.00	1.45	16.769	O	|	|	|	|	9.52	122.833	0.00	1.43	16.154	O	|	|	|	|	9.25
117.750	0.00	1.45	16.759	O	|	|	|	|	9.51	122.917	0.00	1.43	16.144	O	|	|	|	|	9.25
117.833	0.00	1.45	16.749	O	|	|	|	|	9.51	123.000	0.00	1.43	16.134	O	|	|	|	|	9.24
117.917	0.00	1.45	16.739	O	|	|	|	|	9.50	123.083	0.00	1.43	16.124	O	|	|	|	|	9.24
118.000	0.00	1.45	16.729	O	|	|	|	|	9.50	123.167	0.00	1.43	16.114	O	|	|	|	|	9.23
118.083	0.00	1.45	16.719	O	|	|	|	|	9.50	123.250	0.00	1.43	16.104	O	|	|	|	|	9.23
118.167	0.00	1.45	16.709	O	|	|	|	|	9.49	123.333	0.00	1.43	16.094	O	|	|	|	|	9.23
118.250	0.00	1.45	16.699	O	|	|	|	|	9.49	123.417	0.00	1.43	16.085	O	|	|	|	|	9.22
118.333	0.00	1.45	16.689	O	|	|	|	|	9.48	123.500	0.00	1.43	16.075	O	|	|	|	|	9.22
118.417	0.00	1.45	16.679	O	|	|	|	|	9.48	123.583	0.00	1.43	16.065	O	|	|	|	|	9.21
118.500	0.00	1.45	16.669	O	|	|	|	|	9.47	123.667	0.00	1.43	16.055	O	|	|	|	|	9.21
118.583	0.00	1.45	16.659	O	|	|	|	|	9.47	123.750	0.00	1.43	16.045	O	|	|	|	|	9.21
118.667	0.00	1.45	16.649	O	|	|	|	|	9.47	123.833	0.00	1.43	16.036	O	|	|	|	|	9.20
118.750	0.00	1.45	16.639	O	|	|	|	|	9.46	123.917	0.00	1.43	16.026	O	|	|	|	|	9.20
118.833	0.00	1.45	16.629	O	|	|	|	|	9.46	124.000	0.00	1.43	16.016	O	|	|	|	|	9.19
118.917	0.00	1.45	16.619	O	|	|	|	|	9.45	124.083	0.00	1.43	16.006	O	|	|	|	|	9.19
119.000	0.00	1.45	16.609	O	|	|	|	|	9.45	124.167	0.00	1.42	15.996	O	|	|	|	|	9.18
119.083	0.00	1.45	16.599	O	|	|	|	|	9.44	124.250	0.00	1.42	15.986	O	|	|	|	|	9.18
119.167	0.00	1.45	16.589	O	|	|	|	|	9.44	124.333	0.00	1.42	15.977	O	|	|	|	|	9.18
119.250	0.00	1.44	16.579	O	|	|	|	|	9.44	124.417	0.00	1.42	15.967	O	|	|	|	|	9.17
119.333	0.00	1.44	16.569	O	|	|	|	|	9.43	124.500	0.00	1.42	15.957	O	|	|	|	|	9.17
119.417	0.00	1.44	16.559	O	|	|	|	|	9.43	124.583	0.00	1.42	15.947	O	|	|	|	|	9.16
119.500	0.00	1.44	16.549	O	|	|	|	|	9.42	124.667	0.00	1.42	15.937	O	|	|	|	|	9.16
119.583	0.00	1.44	16.539	O	|	|	|	|	9.42	124.750	0.00	1.42	15.928	O	|	|	|	|	9.15
119.667	0.00	1.44	16.530	O	|	|	|	|	9.41	124.833	0.00	1.42	15.918	O	|	|	|	|	9.15
119.750	0.00	1.44	16.520	O	|	|	|	|	9.41	124.917	0.00	1.42	15.908	O	|	|	|	|	9.15
119.833	0.00	1.44	16.510	O	|	|	|	|	9.41	125.000	0.00	1.42	15.898	O	|	|	|	|	9.14
119.917	0.00	1.44	16.500	O	|	|	|	|	9.40	125.083	0.00	1.42	15.888	O	|	|	|	|	9.14
120.000	0.00	1.44	16.490	O	|	|	|	|	9.40	125.167	0.00	1.42	15.879	O	|	|	|	|	9.13
120.083	0.00	1.44	16.480	O	|	|	|	|	9.39	125.250	0.00	1.42	15.869	O	|	|	|	|	9.13
120.167	0.00	1.44	16.470	O	|	|	|	|	9.39	125.333	0.00	1.42	15.859	O	|	|	|	|	9.12

125.417	0.00	1.42	15.849	O	|	|	|	|	9.12	130.583	0.00	1.40	15.248	O	|	|	|	|	8.85
125.500	0.00	1.42	15.840	O	|	|	|	|	9.12	130.667	0.00	1.40	15.238	O	|	|	|	|	8.85
125.583	0.00	1.42	15.830	O	|	|	|	|	9.11	130.750	0.00	1.40	15.228	O	|	|	|	|	8.84
125.667	0.00	1.42	15.820	O	|	|	|	|	9.11	130.833	0.00	1.40	15.219	O	|	|	|	|	8.84
125.750	0.00	1.42	15.810	O	|	|	|	|	9.10	130.917	0.00	1.40	15.209	O	|	|	|	|	8.83
125.833	0.00	1.42	15.800	O	|	|	|	|	9.10	131.000	0.00	1.40	15.200	O	|	|	|	|	8.83
125.917	0.00	1.42	15.791	O	|	|	|	|	9.09	131.083	0.00	1.40	15.190	O	|	|	|	|	8.83
126.000	0.00	1.42	15.781	O	|	|	|	|	9.09	131.167	0.00	1.40	15.180	O	|	|	|	|	8.82
126.083	0.00	1.42	15.771	O	|	|	|	|	9.09	131.250	0.00	1.40	15.171	O	|	|	|	|	8.82
126.167	0.00	1.42	15.761	O	|	|	|	|	9.08	131.333	0.00	1.40	15.161	O	|	|	|	|	8.81
126.250	0.00	1.42	15.752	O	|	|	|	|	9.08	131.417	0.00	1.39	15.152	O	|	|	|	|	8.81
126.333	0.00	1.42	15.742	O	|	|	|	|	9.07	131.500	0.00	1.39	15.142	O	|	|	|	|	8.80
126.417	0.00	1.42	15.732	O	|	|	|	|	9.07	131.583	0.00	1.39	15.132	O	|	|	|	|	8.80
126.500	0.00	1.42	15.722	O	|	|	|	|	9.07	131.667	0.00	1.39	15.123	O	|	|	|	|	8.80
126.583	0.00	1.41	15.713	O	|	|	|	|	9.06	131.750	0.00	1.39	15.113	O	|	|	|	|	8.79
126.667	0.00	1.41	15.703	O	|	|	|	|	9.06	131.833	0.00	1.39	15.104	O	|	|	|	|	8.79
126.750	0.00	1.41	15.693	O	|	|	|	|	9.05	131.917	0.00	1.39	15.094	O	|	|	|	|	8.78
126.833	0.00	1.41	15.683	O	|	|	|	|	9.05	132.000	0.00	1.39	15.084	O	|	|	|	|	8.78
126.917	0.00	1.41	15.674	O	|	|	|	|	9.04	132.083	0.00	1.39	15.075	O	|	|	|	|	8.77
127.000	0.00	1.41	15.664	O	|	|	|	|	9.04	132.167	0.00	1.39	15.065	O	|	|	|	|	8.77
127.083	0.00	1.41	15.654	O	|	|	|	|	9.04	132.250	0.00	1.39	15.056	O	|	|	|	|	8.76
127.167	0.00	1.41	15.645	O	|	|	|	|	9.03	132.333	0.00	1.39	15.046	O	|	|	|	|	8.76
127.250	0.00	1.41	15.635	O	|	|	|	|	9.03	132.417	0.00	1.39	15.036	O	|	|	|	|	8.76
127.333	0.00	1.41	15.625	O	|	|	|	|	9.02	132.500	0.00	1.39	15.027	O	|	|	|	|	8.75
127.417	0.00	1.41	15.615	O	|	|	|	|	9.02	132.583	0.00	1.39	15.017	O	|	|	|	|	8.75
127.500	0.00	1.41	15.606	O	|	|	|	|	9.01	132.667	0.00	1.39	15.008	O	|	|	|	|	8.74
127.583	0.00	1.41	15.596	O	|	|	|	|	9.01	132.750	0.00	1.39	14.998	O	|	|	|	|	8.74
127.667	0.00	1.41	15.586	O	|	|	|	|	9.01	132.833	0.00	1.39	14.989	O	|	|	|	|	8.73
127.750	0.00	1.41	15.576	O	|	|	|	|	9.00	132.917	0.00	1.39	14.979	O	|	|	|	|	8.73
127.833	0.00	1.41	15.567	O	|	|	|	|	9.00	133.000	0.00	1.39	14.969	O	|	|	|	|	8.73
127.917	0.00	1.41	15.557	O	|	|	|	|	8.99	133.083	0.00	1.39	14.960	O	|	|	|	|	8.72
128.000	0.00	1.41	15.547	O	|	|	|	|	8.99	133.167	0.00	1.39	14.950	O	|	|	|	|	8.72
128.083	0.00	1.41	15.538	O	|	|	|	|	8.98	133.250	0.00	1.39	14.941	O	|	|	|	|	8.71
128.167	0.00	1.41	15.528	O	|	|	|	|	8.98	133.333	0.00	1.39	14.931	O	|	|	|	|	8.71
128.250	0.00	1.41	15.518	O	|	|	|	|	8.98	133.417	0.00	1.39	14.922	O	|	|	|	|	8.70
128.333	0.00	1.41	15.509	O	|	|	|	|	8.97	133.500	0.00	1.39	14.912	O	|	|	|	|	8.70
128.417	0.00	1.41	15.499	O	|	|	|	|	8.97	133.583	0.00	1.39	14.903	O	|	|	|	|	8.69
128.500	0.00	1.41	15.489	O	|	|	|	|	8.96	133.667	0.00	1.39	14.893	O	|	|	|	|	8.69
128.583	0.00	1.41	15.479	O	|	|	|	|	8.96	133.750	0.00	1.38	14.884	O	|	|	|	|	8.69
128.667	0.00	1.41	15.470	O	|	|	|	|	8.95	133.833	0.00	1.38	14.874	O	|	|	|	|	8.68
128.750	0.00	1.41	15.460	O	|	|	|	|	8.95	133.917	0.00	1.38	14.864	O	|	|	|	|	8.68
128.833	0.00	1.41	15.450	O	|	|	|	|	8.94	134.000	0.00	1.38	14.855	O	|	|	|	|	8.67
128.917	0.00	1.41	15.441	O	|	|	|	|	8.94	134.083	0.00	1.38	14.845	O	|	|	|	|	8.67
129.000	0.00	1.40	15.431	O	|	|	|	|	8.94	134.167	0.00	1.38	14.836	O	|	|	|	|	8.66
129.083	0.00	1.40	15.421	O	|	|	|	|	8.93	134.250	0.00	1.38	14.826	O	|	|	|	|	8.66
129.167	0.00	1.40	15.412	O	|	|	|	|	8.93	134.333	0.00	1.38	14.817	O	|	|	|	|	8.66
129.250	0.00	1.40	15.402	O	|	|	|	|	8.92	134.417	0.00	1.38	14.807	O	|	|	|	|	8.65
129.333	0.00	1.40	15.392	O	|	|	|	|	8.92	134.500	0.00	1.38	14.798	O	|	|	|	|	8.65
129.417	0.00	1.40	15.383	O	|	|	|	|	8.91	134.583	0.00	1.38	14.788	O	|	|	|	|	8.64
129.500	0.00	1.40	15.373	O	|	|	|	|	8.91	134.667	0.00	1.38	14.779	O	|	|	|	|	8.64
129.583	0.00	1.40	15.363	O	|	|	|	|	8.91	134.750	0.00	1.38	14.769	O	|	|	|	|	8.63
129.667	0.00	1.40	15.354	O	|	|	|	|	8.90	134.833	0.00	1.38	14.760	O	|	|	|	|	8.63
129.750	0.00	1.40	15.344	O	|	|	|	|	8.90	134.917	0.00	1.38	14.750	O	|	|	|	|	8.63
129.833	0.00	1.40	15.334	O	|	|	|	|	8.89	135.000	0.00	1.38	14.741	O	|	|	|	|	8.62
129.917	0.00	1.40	15.325	O	|	|	|	|	8.89	135.083	0.00	1.38	14.731	O	|	|	|	|	8.62
130.000	0.00	1.40	15.315	O	|	|	|	|	8.88	135.167	0.00	1.38	14.722	O	|	|	|	|	8.61
130.083	0.00	1.40	15.306	O	|	|	|	|	8.88	135.250	0.00	1.38	14.712	O	|	|	|	|	8.61
130.167	0.00	1.40	15.296	O	|	|	|	|	8.87	135.333	0.00	1.38	14.703	O	|	|	|	|	8.60
130.250	0.00	1.40	15.286	O	|	|	|	|	8.87	135.417	0.00	1.38	14.693	O	|	|	|	|	8.60
130.333	0.00	1.40	15.277	O	|	|	|	|	8.87	135.500	0.00	1.38	14.684	O	|	|	|	|	8.59
130.417	0.00	1.40	15.267	O	|	|	|	|	8.86	135.583	0.00	1.38	14.674	O	|	|	|	|	8.59
130.500	0.00	1.40	15.257	O	|	|	|	|	8.86	135.667	0.00	1.38	14.665	O	|	|	|	|	8.59

135.750	0.00	1.38	14.655	O	|	|	|	|	8.58	140.917	0.00	1.36	14.072	O	|	|	|	|	8.32
135.833	0.00	1.38	14.646	O	|	|	|	|	8.58	141.000	0.00	1.35	14.063	O	|	|	|	|	8.31
135.917	0.00	1.38	14.636	O	|	|	|	|	8.57	141.083	0.00	1.35	14.053	O	|	|	|	|	8.31
136.000	0.00	1.38	14.627	O	|	|	|	|	8.57	141.167	0.00	1.35	14.044	O	|	|	|	|	8.30
136.083	0.00	1.38	14.617	O	|	|	|	|	8.56	141.250	0.00	1.35	14.035	O	|	|	|	|	8.30
136.167	0.00	1.37	14.608	O	|	|	|	|	8.56	141.333	0.00	1.35	14.025	O	|	|	|	|	8.29
136.250	0.00	1.37	14.598	O	|	|	|	|	8.56	141.417	0.00	1.35	14.016	O	|	|	|	|	8.29
136.333	0.00	1.37	14.589	O	|	|	|	|	8.55	141.500	0.00	1.35	14.007	O	|	|	|	|	8.29
136.417	0.00	1.37	14.580	O	|	|	|	|	8.55	141.583	0.00	1.35	13.997	O	|	|	|	|	8.28
136.500	0.00	1.37	14.570	O	|	|	|	|	8.54	141.667	0.00	1.35	13.988	O	|	|	|	|	8.28
136.583	0.00	1.37	14.561	O	|	|	|	|	8.54	141.750	0.00	1.35	13.979	O	|	|	|	|	8.27
136.667	0.00	1.37	14.551	O	|	|	|	|	8.53	141.833	0.00	1.35	13.970	O	|	|	|	|	8.27
136.750	0.00	1.37	14.542	O	|	|	|	|	8.53	141.917	0.00	1.35	13.960	O	|	|	|	|	8.26
136.833	0.00	1.37	14.532	O	|	|	|	|	8.53	142.000	0.00	1.35	13.951	O	|	|	|	|	8.26
136.917	0.00	1.37	14.523	O	|	|	|	|	8.52	142.083	0.00	1.35	13.942	O	|	|	|	|	8.26
137.000	0.00	1.37	14.513	O	|	|	|	|	8.52	142.167	0.00	1.35	13.932	O	|	|	|	|	8.25
137.083	0.00	1.37	14.504	O	|	|	|	|	8.51	142.250	0.00	1.35	13.923	O	|	|	|	|	8.25
137.167	0.00	1.37	14.494	O	|	|	|	|	8.51	142.333	0.00	1.35	13.914	O	|	|	|	|	8.24
137.250	0.00	1.37	14.485	O	|	|	|	|	8.50	142.417	0.00	1.35	13.904	O	|	|	|	|	8.24
137.333	0.00	1.37	14.476	O	|	|	|	|	8.50	142.500	0.00	1.35	13.895	O	|	|	|	|	8.23
137.417	0.00	1.37	14.466	O	|	|	|	|	8.50	142.583	0.00	1.35	13.886	O	|	|	|	|	8.23
137.500	0.00	1.37	14.457	O	|	|	|	|	8.49	142.667	0.00	1.35	13.877	O	|	|	|	|	8.23
137.583	0.00	1.37	14.447	O	|	|	|	|	8.49	142.750	0.00	1.35	13.867	O	|	|	|	|	8.22
137.667	0.00	1.37	14.438	O	|	|	|	|	8.48	142.833	0.00	1.35	13.858	O	|	|	|	|	8.22
137.750	0.00	1.37	14.428	O	|	|	|	|	8.48	142.917	0.00	1.35	13.849	O	|	|	|	|	8.21
137.833	0.00	1.37	14.419	O	|	|	|	|	8.47	143.000	0.00	1.35	13.839	O	|	|	|	|	8.21
137.917	0.00	1.37	14.410	O	|	|	|	|	8.47	143.083	0.00	1.35	13.830	O	|	|	|	|	8.21
138.000	0.00	1.37	14.400	O	|	|	|	|	8.47	143.167	0.00	1.35	13.821	O	|	|	|	|	8.20
138.083	0.00	1.37	14.391	O	|	|	|	|	8.46	143.250	0.00	1.35	13.812	O	|	|	|	|	8.20
138.167	0.00	1.37	14.381	O	|	|	|	|	8.46	143.333	0.00	1.35	13.802	O	|	|	|	|	8.19
138.250	0.00	1.37	14.372	O	|	|	|	|	8.45	143.417	0.00	1.35	13.793	O	|	|	|	|	8.19
138.333	0.00	1.37	14.363	O	|	|	|	|	8.45	143.500	0.00	1.34	13.784	O	|	|	|	|	8.18
138.417	0.00	1.37	14.353	O	|	|	|	|	8.44	143.583	0.00	1.34	13.775	O	|	|	|	|	8.18
138.500	0.00	1.37	14.344	O	|	|	|	|	8.44	143.667	0.00	1.34	13.765	O	|	|	|	|	8.18
138.583	0.00	1.36	14.334	O	|	|	|	|	8.44	143.750	0.00	1.34	13.756	O	|	|	|	|	8.17
138.667	0.00	1.36	14.325	O	|	|	|	|	8.43	143.833	0.00	1.34	13.747	O	|	|	|	|	8.17
138.750	0.00	1.36	14.316	O	|	|	|	|	8.43	143.917	0.00	1.34	13.738	O	|	|	|	|	8.16
138.833	0.00	1.36	14.306	O	|	|	|	|	8.42	144.000	0.00	1.34	13.728	O	|	|	|	|	8.16
138.917	0.00	1.36	14.297	O	|	|	|	|	8.42	144.083	0.00	1.34	13.719	O	|	|	|	|	8.15
139.000	0.00	1.36	14.287	O	|	|	|	|	8.41	144.167	0.00	1.34	13.710	O	|	|	|	|	8.15
139.083	0.00	1.36	14.278	O	|	|	|	|	8.41	144.250	0.00	1.34	13.701	O	|	|	|	|	8.15
139.167	0.00	1.36	14.269	O	|	|	|	|	8.41	144.333	0.00	1.34	13.691	O	|	|	|	|	8.14
139.250	0.00	1.36	14.259	O	|	|	|	|	8.40	144.417	0.00	1.34	13.682	O	|	|	|	|	8.14
139.333	0.00	1.36	14.250	O	|	|	|	|	8.40	144.500	0.00	1.34	13.673	O	|	|	|	|	8.13
139.417	0.00	1.36	14.240	O	|	|	|	|	8.39	144.583	0.00	1.34	13.664	O	|	|	|	|	8.13
139.500	0.00	1.36	14.231	O	|	|	|	|	8.39	144.667	0.00	1.34	13.654	O	|	|	|	|	8.12
139.583	0.00	1.36	14.222	O	|	|	|	|	8.38	144.750	0.00	1.34	13.645	O	|	|	|	|	8.12
139.667	0.00	1.36	14.212	O	|	|	|	|	8.38	144.833	0.00	1.34	13.636	O	|	|	|	|	8.12
139.750	0.00	1.36	14.203	O	|	|	|	|	8.38	144.917	0.00	1.34	13.627	O	|	|	|	|	8.11
139.833	0.00	1.36	14.194	O	|	|	|	|	8.37	145.000	0.00	1.34	13.618	O	|	|	|	|	8.11
139.917	0.00	1.36	14.184	O	|	|	|	|	8.37	145.083	0.00	1.34	13.608	O	|	|	|	|	8.10
140.000	0.00	1.36	14.175	O	|	|	|	|	8.36	145.167	0.00	1.34	13.599	O	|	|	|	|	8.10
140.083	0.00	1.36	14.166	O	|	|	|	|	8.36	145.250	0.00	1.34	13.590	O	|	|	|	|	8.10
140.167	0.00	1.36	14.156	O	|	|	|	|	8.35	145.333	0.00	1.34	13.581	O	|	|	|	|	8.09
140.250	0.00	1.36	14.147	O	|	|	|	|	8.35	145.417	0.00	1.34	13.571	O	|	|	|	|	8.09
140.333	0.00	1.36	14.137	O	|	|	|	|	8.35	145.500	0.00	1.34	13.562	O	|	|	|	|	8.08
140.417	0.00	1.36	14.128	O	|	|	|	|	8.34	145.583	0.00	1.34	13.553	O	|	|	|	|	8.08
140.500	0.00	1.36	14.119	O	|	|	|	|	8.34	145.667	0.00	1.34	13.544	O	|	|	|	|	8.07
140.583	0.00	1.36	14.109	O	|	|	|	|	8.33	145.750	0.00	1.34	13.535	O	|	|	|	|	8.07
140.667	0.00	1.36	14.100	O	|	|	|	|	8.33	145.833	0.00	1.34	13.525	O	|	|	|	|	8.07
140.750	0.00	1.36	14.091	O	|	|	|	|	8.32	145.917	0.00	1.33	13.516	O	|	|	|	|	8.06
140.833	0.00	1.36	14.081	O	|	|	|	|	8.32	146.000	0.00	1.33	13.507	O	|	|	|	|	8.06

146.083	0.00	1.33	13.498	O					8.05	151.250	0.00	1.31	12.933	O					7.78
146.167	0.00	1.33	13.489	O					8.05	151.333	0.00	1.31	12.924	O					7.78
146.250	0.00	1.33	13.480	O					8.04	151.417	0.00	1.31	12.915	O					7.78
146.333	0.00	1.33	13.470	O					8.04	151.500	0.00	1.31	12.906	O					7.77
146.417	0.00	1.33	13.461	O					8.04	151.583	0.00	1.31	12.897	O					7.77
146.500	0.00	1.33	13.452	O					8.03	151.667	0.00	1.31	12.888	O					7.76
146.583	0.00	1.33	13.443	O					8.03	151.750	0.00	1.31	12.879	O					7.76
146.667	0.00	1.33	13.434	O					8.02	151.833	0.00	1.31	12.870	O					7.75
146.750	0.00	1.33	13.424	O					8.02	151.917	0.00	1.31	12.861	O					7.75
146.833	0.00	1.33	13.415	O					8.02	152.000	0.00	1.31	12.852	O					7.74
146.917	0.00	1.33	13.406	O					8.01	152.083	0.00	1.31	12.843	O					7.74
147.000	0.00	1.33	13.397	O					8.01	152.167	0.00	1.31	12.834	O					7.74
147.083	0.00	1.33	13.388	O					8.00	152.250	0.00	1.31	12.825	O					7.73
147.167	0.00	1.33	13.379	O					8.00	152.333	0.00	1.31	12.816	O					7.73
147.250	0.00	1.33	13.369	O					7.99	152.417	0.00	1.31	12.807	O					7.72
147.333	0.00	1.33	13.360	O					7.99	152.500	0.00	1.30	12.798	O					7.72
147.417	0.00	1.33	13.351	O					7.99	152.583	0.00	1.30	12.789	O					7.71
147.500	0.00	1.33	13.342	O					7.98	152.667	0.00	1.30	12.780	O					7.71
147.583	0.00	1.33	13.333	O					7.98	152.750	0.00	1.30	12.771	O					7.71
147.667	0.00	1.33	13.324	O					7.97	152.833	0.00	1.30	12.762	O					7.70
147.750	0.00	1.33	13.315	O					7.97	152.917	0.00	1.30	12.753	O					7.70
147.833	0.00	1.33	13.305	O					7.96	153.000	0.00	1.30	12.744	O					7.69
147.917	0.00	1.33	13.296	O					7.96	153.083	0.00	1.30	12.735	O					7.69
148.000	0.00	1.33	13.287	O					7.95	153.167	0.00	1.30	12.726	O					7.68
148.083	0.00	1.33	13.278	O					7.95	153.250	0.00	1.30	12.717	O					7.68
148.167	0.00	1.33	13.269	O					7.95	153.333	0.00	1.30	12.708	O					7.68
148.250	0.00	1.32	13.260	O					7.94	153.417	0.00	1.30	12.699	O					7.67
148.333	0.00	1.32	13.251	O					7.94	153.500	0.00	1.30	12.690	O					7.67
148.417	0.00	1.32	13.242	O					7.93	153.583	0.00	1.30	12.681	O					7.66
148.500	0.00	1.32	13.232	O					7.93	153.667	0.00	1.30	12.672	O					7.66
148.583	0.00	1.32	13.223	O					7.92	153.750	0.00	1.30	12.664	O					7.65
148.667	0.00	1.32	13.214	O					7.92	153.833	0.00	1.30	12.655	O					7.65
148.750	0.00	1.32	13.205	O					7.92	153.917	0.00	1.30	12.646	O					7.64
148.833	0.00	1.32	13.196	O					7.91	154.000	0.00	1.30	12.637	O					7.64
148.917	0.00	1.32	13.187	O					7.91	154.083	0.00	1.30	12.628	O					7.64
149.000	0.00	1.32	13.178	O					7.90	154.167	0.00	1.30	12.619	O					7.63
149.083	0.00	1.32	13.169	O					7.90	154.250	0.00	1.30	12.610	O					7.63
149.167	0.00	1.32	13.160	O					7.89	154.333	0.00	1.30	12.601	O					7.62
149.250	0.00	1.32	13.150	O					7.89	154.417	0.00	1.30	12.592	O					7.62
149.333	0.00	1.32	13.141	O					7.88	154.500	0.00	1.30	12.583	O					7.61
149.417	0.00	1.32	13.132	O					7.88	154.583	0.00	1.29	12.574	O					7.61
149.500	0.00	1.32	13.123	O					7.88	154.667	0.00	1.29	12.565	O					7.61
149.583	0.00	1.32	13.114	O					7.87	154.750	0.00	1.29	12.556	O					7.60
149.667	0.00	1.32	13.105	O					7.87	154.833	0.00	1.29	12.547	O					7.60
149.750	0.00	1.32	13.096	O					7.86	154.917	0.00	1.29	12.539	O					7.59
149.833	0.00	1.32	13.087	O					7.86	155.000	0.00	1.29	12.530	O					7.59
149.917	0.00	1.32	13.078	O					7.85	155.083	0.00	1.29	12.521	O					7.58
150.000	0.00	1.32	13.069	O					7.85	155.167	0.00	1.29	12.512	O					7.58
150.083	0.00	1.32	13.060	O					7.84	155.250	0.00	1.29	12.503	O					7.58
150.167	0.00	1.32	13.051	O					7.84	155.333	0.00	1.29	12.494	O					7.57
150.250	0.00	1.32	13.042	O					7.84	155.417	0.00	1.29	12.485	O					7.57
150.333	0.00	1.31	13.033	O					7.83	155.500	0.00	1.29	12.476	O					7.56
150.417	0.00	1.31	13.023	O					7.83	155.583	0.00	1.29	12.467	O					7.56
150.500	0.00	1.31	13.014	O					7.82	155.667	0.00	1.29	12.459	O					7.55
150.583	0.00	1.31	13.005	O					7.82	155.750	0.00	1.29	12.450	O					7.55
150.667	0.00	1.31	12.996	O					7.81	155.833	0.00	1.29	12.441	O					7.55
150.750	0.00	1.31	12.987	O					7.81	155.917	0.00	1.29	12.432	O					7.54
150.833	0.00	1.31	12.978	O					7.81	156.000	0.00	1.29	12.423	O					7.54
150.917	0.00	1.31	12.969	O					7.80	156.083	0.00	1.29	12.414	O					7.53
151.000	0.00	1.31	12.960	O					7.80	156.167	0.00	1.29	12.405	O					7.53
151.083	0.00	1.31	12.951	O					7.79	156.250	0.00	1.29	12.396	O					7.52
151.167	0.00	1.31	12.942	O					7.79	156.333	0.00	1.29	12.388	O					7.52

156.417	0.00	1.29	12.379	O	|	|	|	|	7.52	161.583	0.00	1.26	11.834	O	|	|	|	|	7.25
156.500	0.00	1.29	12.370	O	|	|	|	|	7.51	161.667	0.00	1.26	11.826	O	|	|	|	|	7.25
156.583	0.00	1.29	12.361	O	|	|	|	|	7.51	161.750	0.00	1.26	11.817	O	|	|	|	|	7.24
156.667	0.00	1.29	12.352	O	|	|	|	|	7.50	161.833	0.00	1.26	11.808	O	|	|	|	|	7.24
156.750	0.00	1.28	12.343	O	|	|	|	|	7.50	161.917	0.00	1.26	11.800	O	|	|	|	|	7.24
156.833	0.00	1.28	12.334	O	|	|	|	|	7.49	162.000	0.00	1.26	11.791	O	|	|	|	|	7.23
156.917	0.00	1.28	12.326	O	|	|	|	|	7.49	162.083	0.00	1.26	11.782	O	|	|	|	|	7.23
157.000	0.00	1.28	12.317	O	|	|	|	|	7.49	162.167	0.00	1.26	11.774	O	|	|	|	|	7.22
157.083	0.00	1.28	12.308	O	|	|	|	|	7.48	162.250	0.00	1.26	11.765	O	|	|	|	|	7.22
157.167	0.00	1.28	12.299	O	|	|	|	|	7.48	162.333	0.00	1.26	11.756	O	|	|	|	|	7.22
157.250	0.00	1.28	12.290	O	|	|	|	|	7.47	162.417	0.00	1.26	11.748	O	|	|	|	|	7.21
157.333	0.00	1.28	12.281	O	|	|	|	|	7.47	162.500	0.00	1.26	11.739	O	|	|	|	|	7.21
157.417	0.00	1.28	12.273	O	|	|	|	|	7.46	162.583	0.00	1.26	11.730	O	|	|	|	|	7.20
157.500	0.00	1.28	12.264	O	|	|	|	|	7.46	162.667	0.00	1.26	11.722	O	|	|	|	|	7.20
157.583	0.00	1.28	12.255	O	|	|	|	|	7.46	162.750	0.00	1.26	11.713	O	|	|	|	|	7.19
157.667	0.00	1.28	12.246	O	|	|	|	|	7.45	162.833	0.00	1.26	11.704	O	|	|	|	|	7.19
157.750	0.00	1.28	12.237	O	|	|	|	|	7.45	162.917	0.00	1.26	11.696	O	|	|	|	|	7.19
157.833	0.00	1.28	12.228	O	|	|	|	|	7.44	163.000	0.00	1.26	11.687	O	|	|	|	|	7.18
157.917	0.00	1.28	12.220	O	|	|	|	|	7.44	163.083	0.00	1.26	11.678	O	|	|	|	|	7.18
158.000	0.00	1.28	12.211	O	|	|	|	|	7.43	163.167	0.00	1.26	11.670	O	|	|	|	|	7.17
158.083	0.00	1.28	12.202	O	|	|	|	|	7.43	163.250	0.00	1.26	11.661	O	|	|	|	|	7.17
158.167	0.00	1.28	12.193	O	|	|	|	|	7.43	163.333	0.00	1.25	11.652	O	|	|	|	|	7.17
158.250	0.00	1.28	12.184	O	|	|	|	|	7.42	163.417	0.00	1.25	11.644	O	|	|	|	|	7.16
158.333	0.00	1.28	12.176	O	|	|	|	|	7.42	163.500	0.00	1.25	11.635	O	|	|	|	|	7.16
158.417	0.00	1.28	12.167	O	|	|	|	|	7.41	163.583	0.00	1.25	11.626	O	|	|	|	|	7.15
158.500	0.00	1.28	12.158	O	|	|	|	|	7.41	163.667	0.00	1.25	11.618	O	|	|	|	|	7.15
158.583	0.00	1.28	12.149	O	|	|	|	|	7.41	163.750	0.00	1.25	11.609	O	|	|	|	|	7.14
158.667	0.00	1.28	12.140	O	|	|	|	|	7.40	163.833	0.00	1.25	11.601	O	|	|	|	|	7.14
158.750	0.00	1.28	12.132	O	|	|	|	|	7.40	163.917	0.00	1.25	11.592	O	|	|	|	|	7.14
158.833	0.00	1.28	12.123	O	|	|	|	|	7.39	164.000	0.00	1.25	11.583	O	|	|	|	|	7.13
158.917	0.00	1.27	12.114	O	|	|	|	|	7.39	164.083	0.00	1.25	11.575	O	|	|	|	|	7.13
159.000	0.00	1.27	12.105	O	|	|	|	|	7.38	164.167	0.00	1.25	11.566	O	|	|	|	|	7.12
159.083	0.00	1.27	12.097	O	|	|	|	|	7.38	164.250	0.00	1.25	11.557	O	|	|	|	|	7.12
159.167	0.00	1.27	12.088	O	|	|	|	|	7.38	164.333	0.00	1.25	11.549	O	|	|	|	|	7.12
159.250	0.00	1.27	12.079	O	|	|	|	|	7.37	164.417	0.00	1.25	11.540	O	|	|	|	|	7.11
159.333	0.00	1.27	12.070	O	|	|	|	|	7.37	164.500	0.00	1.25	11.532	O	|	|	|	|	7.11
159.417	0.00	1.27	12.061	O	|	|	|	|	7.36	164.583	0.00	1.25	11.523	O	|	|	|	|	7.10
159.500	0.00	1.27	12.053	O	|	|	|	|	7.36	164.667	0.00	1.25	11.514	O	|	|	|	|	7.10
159.583	0.00	1.27	12.044	O	|	|	|	|	7.35	164.750	0.00	1.25	11.506	O	|	|	|	|	7.09
159.667	0.00	1.27	12.035	O	|	|	|	|	7.35	164.833	0.00	1.25	11.497	O	|	|	|	|	7.09
159.750	0.00	1.27	12.026	O	|	|	|	|	7.35	164.917	0.00	1.25	11.489	O	|	|	|	|	7.09
159.833	0.00	1.27	12.018	O	|	|	|	|	7.34	165.000	0.00	1.25	11.480	O	|	|	|	|	7.08
159.917	0.00	1.27	12.009	O	|	|	|	|	7.34	165.083	0.00	1.25	11.471	O	|	|	|	|	7.08
160.000	0.00	1.27	12.000	O	|	|	|	|	7.33	165.167	0.00	1.25	11.463	O	|	|	|	|	7.07
160.083	0.00	1.27	11.991	O	|	|	|	|	7.33	165.250	0.00	1.25	11.454	O	|	|	|	|	7.07
160.167	0.00	1.27	11.983	O	|	|	|	|	7.32	165.333	0.00	1.25	11.446	O	|	|	|	|	7.07
160.250	0.00	1.27	11.974	O	|	|	|	|	7.32	165.417	0.00	1.25	11.437	O	|	|	|	|	7.06
160.333	0.00	1.27	11.965	O	|	|	|	|	7.32	165.500	0.00	1.25	11.429	O	|	|	|	|	7.06
160.417	0.00	1.27	11.956	O	|	|	|	|	7.31	165.583	0.00	1.24	11.420	O	|	|	|	|	7.05
160.500	0.00	1.27	11.948	O	|	|	|	|	7.31	165.667	0.00	1.24	11.411	O	|	|	|	|	7.05
160.583	0.00	1.27	11.939	O	|	|	|	|	7.30	165.750	0.00	1.24	11.403	O	|	|	|	|	7.04
160.667	0.00	1.27	11.930	O	|	|	|	|	7.30	165.833	0.00	1.24	11.394	O	|	|	|	|	7.04
160.750	0.00	1.27	11.922	O	|	|	|	|	7.30	165.917	0.00	1.24	11.386	O	|	|	|	|	7.04
160.833	0.00	1.27	11.913	O	|	|	|	|	7.29	166.000	0.00	1.24	11.377	O	|	|	|	|	7.03
160.917	0.00	1.27	11.904	O	|	|	|	|	7.29	166.083	0.00	1.24	11.369	O	|	|	|	|	7.03
161.000	0.00	1.27	11.895	O	|	|	|	|	7.28	166.167	0.00	1.24	11.360	O	|	|	|	|	7.02
161.083	0.00	1.27	11.887	O	|	|	|	|	7.28	166.250	0.00	1.24	11.351	O	|	|	|	|	7.02
161.167	0.00	1.26	11.878	O	|	|	|	|	7.27	166.333	0.00	1.24	11.343	O	|	|	|	|	7.02
161.250	0.00	1.26	11.869	O	|	|	|	|	7.27	166.417	0.00	1.24	11.334	O	|	|	|	|	7.01
161.333	0.00	1.26	11.861	O	|	|	|	|	7.27	166.500	0.00	1.24	11.326	O	|	|	|	|	7.01
161.417	0.00	1.26	11.852	O	|	|	|	|	7.26	166.583	0.00	1.24	11.317	O	|	|	|	|	7.00
161.500	0.00	1.26	11.843	O	|	|	|	|	7.26	166.667	0.00	1.24	11.309	O	|	|	|	|	7.00

166.750	0.00	1.24	11.300	O	|	|	|	|	6.99	171.917	0.00	1.22	10.776	O	|	|	|	|	6.73
166.833	0.00	1.24	11.292	O	|	|	|	|	6.99	172.000	0.00	1.21	10.768	O	|	|	|	|	6.72
166.917	0.00	1.24	11.283	O	|	|	|	|	6.99	172.083	0.00	1.21	10.759	O	|	|	|	|	6.72
167.000	0.00	1.24	11.275	O	|	|	|	|	6.98	172.167	0.00	1.21	10.751	O	|	|	|	|	6.71
167.083	0.00	1.24	11.266	O	|	|	|	|	6.98	172.250	0.00	1.21	10.743	O	|	|	|	|	6.71
167.167	0.00	1.24	11.258	O	|	|	|	|	6.97	172.333	0.00	1.21	10.734	O	|	|	|	|	6.71
167.250	0.00	1.24	11.249	O	|	|	|	|	6.97	172.417	0.00	1.21	10.726	O	|	|	|	|	6.70
167.333	0.00	1.24	11.240	O	|	|	|	|	6.96	172.500	0.00	1.21	10.718	O	|	|	|	|	6.70
167.417	0.00	1.24	11.232	O	|	|	|	|	6.96	172.583	0.00	1.21	10.709	O	|	|	|	|	6.69
167.500	0.00	1.24	11.223	O	|	|	|	|	6.96	172.667	0.00	1.21	10.701	O	|	|	|	|	6.69
167.583	0.00	1.24	11.215	O	|	|	|	|	6.95	172.750	0.00	1.21	10.693	O	|	|	|	|	6.68
167.667	0.00	1.24	11.206	O	|	|	|	|	6.95	172.833	0.00	1.21	10.684	O	|	|	|	|	6.68
167.750	0.00	1.23	11.198	O	|	|	|	|	6.94	172.917	0.00	1.21	10.676	O	|	|	|	|	6.68
167.833	0.00	1.23	11.189	O	|	|	|	|	6.94	173.000	0.00	1.21	10.667	O	|	|	|	|	6.67
167.917	0.00	1.23	11.181	O	|	|	|	|	6.93	173.083	0.00	1.21	10.659	O	|	|	|	|	6.67
168.000	0.00	1.23	11.172	O	|	|	|	|	6.93	173.167	0.00	1.21	10.651	O	|	|	|	|	6.66
168.083	0.00	1.23	11.164	O	|	|	|	|	6.93	173.250	0.00	1.21	10.642	O	|	|	|	|	6.66
168.167	0.00	1.23	11.155	O	|	|	|	|	6.92	173.333	0.00	1.21	10.634	O	|	|	|	|	6.65
168.250	0.00	1.23	11.147	O	|	|	|	|	6.92	173.417	0.00	1.21	10.626	O	|	|	|	|	6.65
168.333	0.00	1.23	11.138	O	|	|	|	|	6.91	173.500	0.00	1.21	10.618	O	|	|	|	|	6.65
168.417	0.00	1.23	11.130	O	|	|	|	|	6.91	173.583	0.00	1.21	10.609	O	|	|	|	|	6.64
168.500	0.00	1.23	11.122	O	|	|	|	|	6.90	173.667	0.00	1.21	10.601	O	|	|	|	|	6.64
168.583	0.00	1.23	11.113	O	|	|	|	|	6.90	173.750	0.00	1.21	10.593	O	|	|	|	|	6.63
168.667	0.00	1.23	11.105	O	|	|	|	|	6.89	173.833	0.00	1.21	10.584	O	|	|	|	|	6.63
168.750	0.00	1.23	11.096	O	|	|	|	|	6.89	173.917	0.00	1.21	10.576	O	|	|	|	|	6.62
168.833	0.00	1.23	11.088	O	|	|	|	|	6.89	174.000	0.00	1.21	10.568	O	|	|	|	|	6.62
168.917	0.00	1.23	11.079	O	|	|	|	|	6.88	174.083	0.00	1.21	10.559	O	|	|	|	|	6.62
169.000	0.00	1.23	11.071	O	|	|	|	|	6.88	174.167	0.00	1.21	10.551	O	|	|	|	|	6.61
169.083	0.00	1.23	11.062	O	|	|	|	|	6.87	174.250	0.00	1.20	10.543	O	|	|	|	|	6.61
169.167	0.00	1.23	11.054	O	|	|	|	|	6.87	174.333	0.00	1.20	10.534	O	|	|	|	|	6.60
169.250	0.00	1.23	11.045	O	|	|	|	|	6.86	174.417	0.00	1.20	10.526	O	|	|	|	|	6.60
169.333	0.00	1.23	11.037	O	|	|	|	|	6.86	174.500	0.00	1.20	10.518	O	|	|	|	|	6.59
169.417	0.00	1.23	11.028	O	|	|	|	|	6.86	174.583	0.00	1.20	10.510	O	|	|	|	|	6.59
169.500	0.00	1.23	11.020	O	|	|	|	|	6.85	174.667	0.00	1.20	10.501	O	|	|	|	|	6.59
169.583	0.00	1.23	11.011	O	|	|	|	|	6.85	174.750	0.00	1.20	10.493	O	|	|	|	|	6.58
169.667	0.00	1.23	11.003	O	|	|	|	|	6.84	174.833	0.00	1.20	10.485	O	|	|	|	|	6.58
169.750	0.00	1.23	10.995	O	|	|	|	|	6.84	174.917	0.00	1.20	10.476	O	|	|	|	|	6.57
169.833	0.00	1.23	10.986	O	|	|	|	|	6.83	175.000	0.00	1.20	10.468	O	|	|	|	|	6.57
169.917	0.00	1.22	10.978	O	|	|	|	|	6.83	175.083	0.00	1.20	10.460	O	|	|	|	|	6.56
170.000	0.00	1.22	10.969	O	|	|	|	|	6.83	175.167	0.00	1.20	10.452	O	|	|	|	|	6.56
170.083	0.00	1.22	10.961	O	|	|	|	|	6.82	175.250	0.00	1.20	10.443	O	|	|	|	|	6.56
170.167	0.00	1.22	10.952	O	|	|	|	|	6.82	175.333	0.00	1.20	10.435	O	|	|	|	|	6.55
170.250	0.00	1.22	10.944	O	|	|	|	|	6.81	175.417	0.00	1.20	10.427	O	|	|	|	|	6.55
170.333	0.00	1.22	10.936	O	|	|	|	|	6.81	175.500	0.00	1.20	10.419	O	|	|	|	|	6.54
170.417	0.00	1.22	10.927	O	|	|	|	|	6.80	175.583	0.00	1.20	10.410	O	|	|	|	|	6.54
170.500	0.00	1.22	10.919	O	|	|	|	|	6.80	175.667	0.00	1.20	10.402	O	|	|	|	|	6.53
170.583	0.00	1.22	10.910	O	|	|	|	|	6.80	175.750	0.00	1.20	10.394	O	|	|	|	|	6.53
170.667	0.00	1.22	10.902	O	|	|	|	|	6.79	175.833	0.00	1.20	10.386	O	|	|	|	|	6.53
170.750	0.00	1.22	10.894	O	|	|	|	|	6.79	175.917	0.00	1.20	10.377	O	|	|	|	|	6.52
170.833	0.00	1.22	10.885	O	|	|	|	|	6.78	176.000	0.00	1.20	10.369	O	|	|	|	|	6.52
170.917	0.00	1.22	10.877	O	|	|	|	|	6.78	176.083	0.00	1.20	10.361	O	|	|	|	|	6.51
171.000	0.00	1.22	10.868	O	|	|	|	|	6.77	176.167	0.00	1.20	10.353	O	|	|	|	|	6.51
171.083	0.00	1.22	10.860	O	|	|	|	|	6.77	176.250	0.00	1.20	10.344	O	|	|	|	|	6.51
171.167	0.00	1.22	10.852	O	|	|	|	|	6.77	176.333	0.00	1.20	10.336	O	|	|	|	|	6.50
171.250	0.00	1.22	10.843	O	|	|	|	|	6.76	176.417	0.00	1.19	10.328	O	|	|	|	|	6.50
171.333	0.00	1.22	10.835	O	|	|	|	|	6.76	176.500	0.00	1.19	10.320	O	|	|	|	|	6.49
171.417	0.00	1.22	10.826	O	|	|	|	|	6.75	176.583	0.00	1.19	10.311	O	|	|	|	|	6.49
171.500	0.00	1.22	10.818	O	|	|	|	|	6.75	176.667	0.00	1.19	10.303	O	|	|	|	|	6.48
171.583	0.00	1.22	10.810	O	|	|	|	|	6.74	176.750	0.00	1.19	10.295	O	|	|	|	|	6.48
171.667	0.00	1.22	10.801	O	|	|	|	|	6.74	176.833	0.00	1.19	10.287	O	|	|	|	|	6.48
171.750	0.00	1.22	10.793	O	|	|	|	|	6.74	176.917	0.00	1.19	10.279	O	|	|	|	|	6.47
171.833	0.00	1.22	10.784	O	|	|	|	|	6.73	177.000	0.00	1.19	10.270	O	|	|	|	|	6.47

177.083	0.00	1.19	10.262	O	|	|	|	|	6.46	182.250	0.00	1.17	9.758	O	|	|	|	|	6.21
177.167	0.00	1.19	10.254	O	|	|	|	|	6.46	182.333	0.00	1.17	9.750	O	|	|	|	|	6.20
177.250	0.00	1.19	10.246	O	|	|	|	|	6.45	182.417	0.00	1.17	9.742	O	|	|	|	|	6.20
177.333	0.00	1.19	10.238	O	|	|	|	|	6.45	182.500	0.00	1.17	9.734	O	|	|	|	|	6.19
177.417	0.00	1.19	10.229	O	|	|	|	|	6.45	182.583	0.00	1.17	9.726	O	|	|	|	|	6.19
177.500	0.00	1.19	10.221	O	|	|	|	|	6.44	182.667	0.00	1.17	9.718	O	|	|	|	|	6.18
177.583	0.00	1.19	10.213	O	|	|	|	|	6.44	182.750	0.00	1.17	9.710	O	|	|	|	|	6.18
177.667	0.00	1.19	10.205	O	|	|	|	|	6.43	182.833	0.00	1.17	9.702	O	|	|	|	|	6.18
177.750	0.00	1.19	10.197	O	|	|	|	|	6.43	182.917	0.00	1.17	9.694	O	|	|	|	|	6.17
177.833	0.00	1.19	10.188	O	|	|	|	|	6.43	183.000	0.00	1.17	9.686	O	|	|	|	|	6.17
177.917	0.00	1.19	10.180	O	|	|	|	|	6.42	183.083	0.00	1.16	9.678	O	|	|	|	|	6.16
178.000	0.00	1.19	10.172	O	|	|	|	|	6.42	183.167	0.00	1.16	9.670	O	|	|	|	|	6.16
178.083	0.00	1.19	10.164	O	|	|	|	|	6.41	183.250	0.00	1.16	9.662	O	|	|	|	|	6.16
178.167	0.00	1.19	10.156	O	|	|	|	|	6.41	183.333	0.00	1.16	9.654	O	|	|	|	|	6.15
178.250	0.00	1.19	10.148	O	|	|	|	|	6.40	183.417	0.00	1.16	9.646	O	|	|	|	|	6.15
178.333	0.00	1.19	10.139	O	|	|	|	|	6.40	183.500	0.00	1.16	9.638	O	|	|	|	|	6.14
178.417	0.00	1.19	10.131	O	|	|	|	|	6.40	183.583	0.00	1.16	9.630	O	|	|	|	|	6.14
178.500	0.00	1.19	10.123	O	|	|	|	|	6.39	183.667	0.00	1.16	9.622	O	|	|	|	|	6.14
178.583	0.00	1.18	10.115	O	|	|	|	|	6.39	183.750	0.00	1.16	9.614	O	|	|	|	|	6.13
178.667	0.00	1.18	10.107	O	|	|	|	|	6.38	183.833	0.00	1.16	9.606	O	|	|	|	|	6.13
178.750	0.00	1.18	10.099	O	|	|	|	|	6.38	183.917	0.00	1.16	9.598	O	|	|	|	|	6.12
178.833	0.00	1.18	10.090	O	|	|	|	|	6.38	184.000	0.00	1.16	9.590	O	|	|	|	|	6.12
178.917	0.00	1.18	10.082	O	|	|	|	|	6.37	184.083	0.00	1.16	9.582	O	|	|	|	|	6.11
179.000	0.00	1.18	10.074	O	|	|	|	|	6.37	184.167	0.00	1.16	9.574	O	|	|	|	|	6.11
179.083	0.00	1.18	10.066	O	|	|	|	|	6.36	184.250	0.00	1.16	9.566	O	|	|	|	|	6.11
179.167	0.00	1.18	10.058	O	|	|	|	|	6.36	184.333	0.00	1.16	9.558	O	|	|	|	|	6.10
179.250	0.00	1.18	10.050	O	|	|	|	|	6.35	184.417	0.00	1.16	9.550	O	|	|	|	|	6.10
179.333	0.00	1.18	10.042	O	|	|	|	|	6.35	184.500	0.00	1.16	9.542	O	|	|	|	|	6.09
179.417	0.00	1.18	10.033	O	|	|	|	|	6.35	184.583	0.00	1.16	9.534	O	|	|	|	|	6.09
179.500	0.00	1.18	10.025	O	|	|	|	|	6.34	184.667	0.00	1.16	9.526	O	|	|	|	|	6.09
179.583	0.00	1.18	10.017	O	|	|	|	|	6.34	184.750	0.00	1.16	9.518	O	|	|	|	|	6.08
179.667	0.00	1.18	10.009	O	|	|	|	|	6.33	184.833	0.00	1.16	9.510	O	|	|	|	|	6.08
179.750	0.00	1.18	10.001	O	|	|	|	|	6.33	184.917	0.00	1.16	9.502	O	|	|	|	|	6.07
179.833	0.00	1.18	9.993	O	|	|	|	|	6.33	185.000	0.00	1.16	9.494	O	|	|	|	|	6.07
179.917	0.00	1.18	9.985	O	|	|	|	|	6.32	185.083	0.00	1.16	9.486	O	|	|	|	|	6.07
180.000	0.00	1.18	9.977	O	|	|	|	|	6.32	185.167	0.00	1.16	9.478	O	|	|	|	|	6.06
180.083	0.00	1.18	9.968	O	|	|	|	|	6.31	185.250	0.00	1.16	9.470	O	|	|	|	|	6.06
180.167	0.00	1.18	9.960	O	|	|	|	|	6.31	185.333	0.00	1.15	9.462	O	|	|	|	|	6.05
180.250	0.00	1.18	9.952	O	|	|	|	|	6.30	185.417	0.00	1.15	9.454	O	|	|	|	|	6.05
180.333	0.00	1.18	9.944	O	|	|	|	|	6.30	185.500	0.00	1.15	9.446	O	|	|	|	|	6.05
180.417	0.00	1.18	9.936	O	|	|	|	|	6.30	185.583	0.00	1.15	9.438	O	|	|	|	|	6.04
180.500	0.00	1.18	9.928	O	|	|	|	|	6.29	185.667	0.00	1.15	9.431	O	|	|	|	|	6.04
180.583	0.00	1.18	9.920	O	|	|	|	|	6.29	185.750	0.00	1.15	9.423	O	|	|	|	|	6.03
180.667	0.00	1.18	9.912	O	|	|	|	|	6.28	185.833	0.00	1.15	9.415	O	|	|	|	|	6.03
180.750	0.00	1.18	9.904	O	|	|	|	|	6.28	185.917	0.00	1.15	9.407	O	|	|	|	|	6.02
180.833	0.00	1.17	9.895	O	|	|	|	|	6.28	186.000	0.00	1.15	9.399	O	|	|	|	|	6.02
180.917	0.00	1.17	9.887	O	|	|	|	|	6.27	186.083	0.00	1.15	9.391	O	|	|	|	|	6.02
181.000	0.00	1.17	9.879	O	|	|	|	|	6.27	186.167	0.00	1.15	9.383	O	|	|	|	|	6.01
181.083	0.00	1.17	9.871	O	|	|	|	|	6.26	186.250	0.00	1.15	9.375	O	|	|	|	|	6.01
181.167	0.00	1.17	9.863	O	|	|	|	|	6.26	186.333	0.00	1.15	9.367	O	|	|	|	|	6.00
181.250	0.00	1.17	9.855	O	|	|	|	|	6.25	186.417	0.00	1.15	9.359	O	|	|	|	|	6.00
181.333	0.00	1.17	9.847	O	|	|	|	|	6.25	186.500	0.00	1.15	9.351	O	|	|	|	|	6.00
181.417	0.00	1.17	9.839	O	|	|	|	|	6.25	186.583	0.00	1.15	9.343	O	|	|	|	|	5.99
181.500	0.00	1.17	9.831	O	|	|	|	|	6.24	186.667	0.00	1.15	9.335	O	|	|	|	|	5.99
181.583	0.00	1.17	9.823	O	|	|	|	|	6.24	186.750	0.00	1.15	9.327	O	|	|	|	|	5.98
181.667	0.00	1.17	9.815	O	|	|	|	|	6.23	186.833	0.00	1.15	9.320	O	|	|	|	|	5.98
181.750	0.00	1.17	9.807	O	|	|	|	|	6.23	186.917	0.00	1.15	9.312	O	|	|	|	|	5.97
181.833	0.00	1.17	9.799	O	|	|	|	|	6.23	187.000	0.00	1.15	9.304	O	|	|	|	|	5.97
181.917	0.00	1.17	9.791	O	|	|	|	|	6.22	187.083	0.00	1.15	9.296	O	|	|	|	|	5.97
182.000	0.00	1.17	9.782	O	|	|	|	|	6.22	187.167	0.00	1.15	9.288	O	|	|	|	|	5.96
182.083	0.00	1.17	9.774	O	|	|	|	|	6.21	187.250	0.00	1.15	9.280	O	|	|	|	|	5.96
182.167	0.00	1.17	9.766	O	|	|	|	|	6.21	187.333	0.00	1.14	9.272	O	|	|	|	|	5.95

187.417	0.00	1.14	9.264	O	|	|	|	|	5.95	192.583	0.00	1.12	8.782	O	|	|	|	|	5.69
187.500	0.00	1.14	9.256	O	|	|	|	|	5.94	192.667	0.00	1.12	8.774	O	|	|	|	|	5.68
187.583	0.00	1.14	9.249	O	|	|	|	|	5.94	192.750	0.00	1.11	8.767	O	|	|	|	|	5.68
187.667	0.00	1.14	9.241	O	|	|	|	|	5.94	192.833	0.00	1.11	8.759	O	|	|	|	|	5.67
187.750	0.00	1.14	9.233	O	|	|	|	|	5.93	192.917	0.00	1.11	8.751	O	|	|	|	|	5.67
187.833	0.00	1.14	9.225	O	|	|	|	|	5.93	193.000	0.00	1.11	8.743	O	|	|	|	|	5.67
187.917	0.00	1.14	9.217	O	|	|	|	|	5.92	193.083	0.00	1.11	8.736	O	|	|	|	|	5.66
188.000	0.00	1.14	9.209	O	|	|	|	|	5.92	193.167	0.00	1.11	8.728	O	|	|	|	|	5.66
188.083	0.00	1.14	9.201	O	|	|	|	|	5.91	193.250	0.00	1.11	8.721	O	|	|	|	|	5.65
188.167	0.00	1.14	9.194	O	|	|	|	|	5.91	193.333	0.00	1.11	8.713	O	|	|	|	|	5.65
188.250	0.00	1.14	9.186	O	|	|	|	|	5.91	193.417	0.00	1.11	8.705	O	|	|	|	|	5.64
188.333	0.00	1.14	9.178	O	|	|	|	|	5.90	193.500	0.00	1.11	8.698	O	|	|	|	|	5.64
188.417	0.00	1.14	9.170	O	|	|	|	|	5.90	193.583	0.00	1.11	8.690	O	|	|	|	|	5.64
188.500	0.00	1.14	9.162	O	|	|	|	|	5.89	193.667	0.00	1.11	8.682	O	|	|	|	|	5.63
188.583	0.00	1.14	9.154	O	|	|	|	|	5.89	193.750	0.00	1.11	8.675	O	|	|	|	|	5.63
188.667	0.00	1.14	9.146	O	|	|	|	|	5.88	193.833	0.00	1.11	8.667	O	|	|	|	|	5.62
188.750	0.00	1.14	9.139	O	|	|	|	|	5.88	193.917	0.00	1.11	8.659	O	|	|	|	|	5.62
188.833	0.00	1.14	9.131	O	|	|	|	|	5.88	194.000	0.00	1.11	8.652	O	|	|	|	|	5.62
188.917	0.00	1.14	9.123	O	|	|	|	|	5.87	194.083	0.00	1.11	8.644	O	|	|	|	|	5.61
189.000	0.00	1.14	9.115	O	|	|	|	|	5.87	194.167	0.00	1.11	8.636	O	|	|	|	|	5.61
189.083	0.00	1.13	9.107	O	|	|	|	|	5.86	194.250	0.00	1.11	8.629	O	|	|	|	|	5.60
189.167	0.00	1.13	9.100	O	|	|	|	|	5.86	194.333	0.00	1.11	8.621	O	|	|	|	|	5.60
189.250	0.00	1.13	9.092	O	|	|	|	|	5.85	194.417	0.00	1.11	8.614	O	|	|	|	|	5.59
189.333	0.00	1.13	9.084	O	|	|	|	|	5.85	194.500	0.00	1.10	8.606	O	|	|	|	|	5.59
189.417	0.00	1.13	9.076	O	|	|	|	|	5.85	194.583	0.00	1.10	8.598	O	|	|	|	|	5.59
189.500	0.00	1.13	9.068	O	|	|	|	|	5.84	194.667	0.00	1.10	8.591	O	|	|	|	|	5.58
189.583	0.00	1.13	9.060	O	|	|	|	|	5.84	194.750	0.00	1.10	8.583	O	|	|	|	|	5.58
189.667	0.00	1.13	9.053	O	|	|	|	|	5.83	194.833	0.00	1.10	8.576	O	|	|	|	|	5.57
189.750	0.00	1.13	9.045	O	|	|	|	|	5.83	194.917	0.00	1.10	8.568	O	|	|	|	|	5.57
189.833	0.00	1.13	9.037	O	|	|	|	|	5.83	195.000	0.00	1.10	8.560	O	|	|	|	|	5.57
189.917	0.00	1.13	9.029	O	|	|	|	|	5.82	195.083	0.00	1.10	8.553	O	|	|	|	|	5.56
190.000	0.00	1.13	9.022	O	|	|	|	|	5.82	195.167	0.00	1.10	8.545	O	|	|	|	|	5.56
190.083	0.00	1.13	9.014	O	|	|	|	|	5.81	195.250	0.00	1.10	8.538	O	|	|	|	|	5.55
190.167	0.00	1.13	9.006	O	|	|	|	|	5.81	195.333	0.00	1.10	8.530	O	|	|	|	|	5.55
190.250	0.00	1.13	8.998	O	|	|	|	|	5.80	195.417	0.00	1.10	8.522	O	|	|	|	|	5.54
190.333	0.00	1.13	8.990	O	|	|	|	|	5.80	195.500	0.00	1.10	8.515	O	|	|	|	|	5.54
190.417	0.00	1.13	8.983	O	|	|	|	|	5.80	195.583	0.00	1.10	8.507	O	|	|	|	|	5.54
190.500	0.00	1.13	8.975	O	|	|	|	|	5.79	195.667	0.00	1.10	8.500	O	|	|	|	|	5.53
190.583	0.00	1.13	8.967	O	|	|	|	|	5.79	195.750	0.00	1.10	8.492	O	|	|	|	|	5.53
190.667	0.00	1.13	8.959	O	|	|	|	|	5.78	195.833	0.00	1.10	8.485	O	|	|	|	|	5.52
190.750	0.00	1.13	8.952	O	|	|	|	|	5.78	195.917	0.00	1.10	8.477	O	|	|	|	|	5.52
190.833	0.00	1.13	8.944	O	|	|	|	|	5.77	196.000	0.00	1.10	8.470	O	|	|	|	|	5.52
190.917	0.00	1.12	8.936	O	|	|	|	|	5.77	196.083	0.00	1.10	8.462	O	|	|	|	|	5.51
191.000	0.00	1.12	8.928	O	|	|	|	|	5.77	196.167	0.00	1.10	8.454	O	|	|	|	|	5.51
191.083	0.00	1.12	8.921	O	|	|	|	|	5.76	196.250	0.00	1.10	8.447	O	|	|	|	|	5.50
191.167	0.00	1.12	8.913	O	|	|	|	|	5.76	196.333	0.00	1.09	8.439	O	|	|	|	|	5.50
191.250	0.00	1.12	8.905	O	|	|	|	|	5.75	196.417	0.00	1.09	8.432	O	|	|	|	|	5.50
191.333	0.00	1.12	8.897	O	|	|	|	|	5.75	196.500	0.00	1.09	8.424	O	|	|	|	|	5.49
191.417	0.00	1.12	8.890	O	|	|	|	|	5.74	196.583	0.00	1.09	8.417	O	|	|	|	|	5.49
191.500	0.00	1.12	8.882	O	|	|	|	|	5.74	196.667	0.00	1.09	8.409	O	|	|	|	|	5.48
191.583	0.00	1.12	8.874	O	|	|	|	|	5.74	196.750	0.00	1.09	8.402	O	|	|	|	|	5.48
191.667	0.00	1.12	8.867	O	|	|	|	|	5.73	196.833	0.00	1.09	8.394	O	|	|	|	|	5.48
191.750	0.00	1.12	8.859	O	|	|	|	|	5.73	196.917	0.00	1.09	8.387	O	|	|	|	|	5.47
191.833	0.00	1.12	8.851	O	|	|	|	|	5.72	197.000	0.00	1.09	8.379	O	|	|	|	|	5.47
191.917	0.00	1.12	8.843	O	|	|	|	|	5.72	197.083	0.00	1.09	8.372	O	|	|	|	|	5.46
192.000	0.00	1.12	8.836	O	|	|	|	|	5.72	197.167	0.00	1.09	8.364	O	|	|	|	|	5.46
192.083	0.00	1.12	8.828	O	|	|	|	|	5.71	197.250	0.00	1.09	8.357	O	|	|	|	|	5.45
192.167	0.00	1.12	8.820	O	|	|	|	|	5.71	197.333	0.00	1.09	8.349	O	|	|	|	|	5.45
192.250	0.00	1.12	8.813	O	|	|	|	|	5.70	197.417	0.00	1.09	8.342	O	|	|	|	|	5.45
192.333	0.00	1.12	8.805	O	|	|	|	|	5.70	197.500	0.00	1.09	8.334	O	|	|	|	|	5.44
192.417	0.00	1.12	8.797	O	|	|	|	|	5.69	197.583	0.00	1.09	8.327	O	|	|	|	|	5.44
192.500	0.00	1.12	8.790	O	|	|	|	|	5.69	197.667	0.00	1.09	8.319	O	|	|	|	|	5.43

197.750	0.00	1.09	8.312	O	|	|	|	|	5.43	202.917	0.00	1.06	7.853	O	|	|	|	|	5.18
197.833	0.00	1.09	8.304	O	|	|	|	|	5.43	203.000	0.00	1.06	7.846	O	|	|	|	|	5.18
197.917	0.00	1.09	8.297	O	|	|	|	|	5.42	203.083	0.00	1.06	7.839	O	|	|	|	|	5.17
198.000	0.00	1.09	8.289	O	|	|	|	|	5.42	203.167	0.00	1.06	7.831	O	|	|	|	|	5.17
198.083	0.00	1.09	8.282	O	|	|	|	|	5.41	203.250	0.00	1.06	7.824	O	|	|	|	|	5.16
198.167	0.00	1.09	8.274	O	|	|	|	|	5.41	203.333	0.00	1.06	7.817	O	|	|	|	|	5.16
198.250	0.00	1.08	8.267	O	|	|	|	|	5.41	203.417	0.00	1.06	7.809	O	|	|	|	|	5.16
198.333	0.00	1.08	8.259	O	|	|	|	|	5.40	203.500	0.00	1.06	7.802	O	|	|	|	|	5.15
198.417	0.00	1.08	8.252	O	|	|	|	|	5.40	203.583	0.00	1.06	7.795	O	|	|	|	|	5.15
198.500	0.00	1.08	8.244	O	|	|	|	|	5.39	203.667	0.00	1.06	7.788	O	|	|	|	|	5.14
198.583	0.00	1.08	8.237	O	|	|	|	|	5.39	203.750	0.00	1.06	7.780	O	|	|	|	|	5.14
198.667	0.00	1.08	8.229	O	|	|	|	|	5.39	203.833	0.00	1.06	7.773	O	|	|	|	|	5.14
198.750	0.00	1.08	8.222	O	|	|	|	|	5.38	203.917	0.00	1.05	7.766	O	|	|	|	|	5.13
198.833	0.00	1.08	8.215	O	|	|	|	|	5.38	204.000	0.00	1.05	7.759	O	|	|	|	|	5.13
198.917	0.00	1.08	8.207	O	|	|	|	|	5.37	204.083	0.00	1.05	7.751	O	|	|	|	|	5.12
199.000	0.00	1.08	8.200	O	|	|	|	|	5.37	204.167	0.00	1.05	7.744	O	|	|	|	|	5.12
199.083	0.00	1.08	8.192	O	|	|	|	|	5.37	204.250	0.00	1.05	7.737	O	|	|	|	|	5.12
199.167	0.00	1.08	8.185	O	|	|	|	|	5.36	204.333	0.00	1.05	7.730	O	|	|	|	|	5.11
199.250	0.00	1.08	8.177	O	|	|	|	|	5.36	204.417	0.00	1.05	7.722	O	|	|	|	|	5.11
199.333	0.00	1.08	8.170	O	|	|	|	|	5.35	204.500	0.00	1.05	7.715	O	|	|	|	|	5.11
199.417	0.00	1.08	8.162	O	|	|	|	|	5.35	204.583	0.00	1.05	7.708	O	|	|	|	|	5.10
199.500	0.00	1.08	8.155	O	|	|	|	|	5.34	204.667	0.00	1.05	7.701	O	|	|	|	|	5.10
199.583	0.00	1.08	8.148	O	|	|	|	|	5.34	204.750	0.00	1.05	7.693	O	|	|	|	|	5.09
199.667	0.00	1.08	8.140	O	|	|	|	|	5.34	204.833	0.00	1.05	7.686	O	|	|	|	|	5.09
199.750	0.00	1.08	8.133	O	|	|	|	|	5.33	204.917	0.00	1.05	7.679	O	|	|	|	|	5.09
199.833	0.00	1.08	8.125	O	|	|	|	|	5.33	205.000	0.00	1.05	7.672	O	|	|	|	|	5.08
199.917	0.00	1.08	8.118	O	|	|	|	|	5.32	205.083	0.00	1.05	7.664	O	|	|	|	|	5.08
200.000	0.00	1.08	8.111	O	|	|	|	|	5.32	205.167	0.00	1.05	7.657	O	|	|	|	|	5.07
200.083	0.00	1.07	8.103	O	|	|	|	|	5.32	205.250	0.00	1.05	7.650	O	|	|	|	|	5.07
200.167	0.00	1.07	8.096	O	|	|	|	|	5.31	205.333	0.00	1.05	7.643	O	|	|	|	|	5.07
200.250	0.00	1.07	8.088	O	|	|	|	|	5.31	205.417	0.00	1.05	7.636	O	|	|	|	|	5.06
200.333	0.00	1.07	8.081	O	|	|	|	|	5.30	205.500	0.00	1.05	7.628	O	|	|	|	|	5.06
200.417	0.00	1.07	8.074	O	|	|	|	|	5.30	205.583	0.00	1.05	7.621	O	|	|	|	|	5.05
200.500	0.00	1.07	8.066	O	|	|	|	|	5.30	205.667	0.00	1.05	7.614	O	|	|	|	|	5.05
200.583	0.00	1.07	8.059	O	|	|	|	|	5.29	205.750	0.00	1.05	7.607	O	|	|	|	|	5.05
200.667	0.00	1.07	8.051	O	|	|	|	|	5.29	205.833	0.00	1.04	7.600	O	|	|	|	|	5.04
200.750	0.00	1.07	8.044	O	|	|	|	|	5.28	205.917	0.00	1.04	7.592	O	|	|	|	|	5.04
200.833	0.00	1.07	8.037	O	|	|	|	|	5.28	206.000	0.00	1.04	7.585	O	|	|	|	|	5.03
200.917	0.00	1.07	8.029	O	|	|	|	|	5.28	206.083	0.00	1.04	7.578	O	|	|	|	|	5.03
201.000	0.00	1.07	8.022	O	|	|	|	|	5.27	206.167	0.00	1.04	7.571	O	|	|	|	|	5.03
201.083	0.00	1.07	8.015	O	|	|	|	|	5.27	206.250	0.00	1.04	7.564	O	|	|	|	|	5.02
201.167	0.00	1.07	8.007	O	|	|	|	|	5.26	206.333	0.00	1.04	7.556	O	|	|	|	|	5.02
201.250	0.00	1.07	8.000	O	|	|	|	|	5.26	206.417	0.00	1.04	7.549	O	|	|	|	|	5.01
201.333	0.00	1.07	7.992	O	|	|	|	|	5.26	206.500	0.00	1.04	7.542	O	|	|	|	|	5.01
201.417	0.00	1.07	7.985	O	|	|	|	|	5.25	206.583	0.00	1.04	7.535	O	|	|	|	|	5.01
201.500	0.00	1.07	7.978	O	|	|	|	|	5.25	206.667	0.00	1.04	7.528	O	|	|	|	|	5.00
201.583	0.00	1.07	7.970	O	|	|	|	|	5.24	206.750	0.00	1.04	7.521	O	|	|	|	|	5.00
201.667	0.00	1.07	7.963	O	|	|	|	|	5.24	206.833	0.00	1.04	7.513	O	|	|	|	|	4.99
201.750	0.00	1.07	7.956	O	|	|	|	|	5.24	206.917	0.00	1.04	7.506	O	|	|	|	|	4.99
201.833	0.00	1.07	7.948	O	|	|	|	|	5.23	207.000	0.00	1.04	7.499	O	|	|	|	|	4.99
201.917	0.00	1.07	7.941	O	|	|	|	|	5.23	207.083	0.00	1.04	7.492	O	|	|	|	|	4.98
202.000	0.00	1.06	7.934	O	|	|	|	|	5.22	207.167	0.00	1.04	7.485	O	|	|	|	|	4.98
202.083	0.00	1.06	7.926	O	|	|	|	|	5.22	207.250	0.00	1.04	7.478	O	|	|	|	|	4.97
202.167	0.00	1.06	7.919	O	|	|	|	|	5.22	207.333	0.00	1.04	7.471	O	|	|	|	|	4.97
202.250	0.00	1.06	7.912	O	|	|	|	|	5.21	207.417	0.00	1.04	7.463	O	|	|	|	|	4.96
202.333	0.00	1.06	7.904	O	|	|	|	|	5.21	207.500	0.00	1.04	7.456	O	|	|	|	|	4.96
202.417	0.00	1.06	7.897	O	|	|	|	|	5.20	207.583	0.00	1.03	7.449	O	|	|	|	|	4.96
202.500	0.00	1.06	7.890	O	|	|	|	|	5.20	207.667	0.00	1.03	7.442	O	|	|	|	|	4.95
202.583	0.00	1.06	7.882	O	|	|	|	|	5.20	207.750	0.00	1.03	7.435	O	|	|	|	|	4.95
202.667	0.00	1.06	7.875	O	|	|	|	|	5.19	207.833	0.00	1.03	7.428	O	|	|	|	|	4.94
202.750	0.00	1.06	7.868	O	|	|	|	|	5.19	207.917	0.00	1.03	7.421	O	|	|	|	|	4.94
202.833	0.00	1.06	7.861	O	|	|	|	|	5.18	208.000	0.00	1.03	7.414	O	|	|	|	|	4.93

208.083	0.00	1.03	7.406	O	|	|	|	|	4.93	213.250	0.00	1.00	6.973	O	|	|	|	|	4.67
208.167	0.00	1.03	7.399	O	|	|	|	|	4.93	213.333	0.00	1.00	6.966	O	|	|	|	|	4.67
208.250	0.00	1.03	7.392	O	|	|	|	|	4.92	213.417	0.00	1.00	6.959	O	|	|	|	|	4.66
208.333	0.00	1.03	7.385	O	|	|	|	|	4.92	213.500	0.00	1.00	6.952	O	|	|	|	|	4.66
208.417	0.00	1.03	7.378	O	|	|	|	|	4.91	213.583	0.00	1.00	6.945	O	|	|	|	|	4.65
208.500	0.00	1.03	7.371	O	|	|	|	|	4.91	213.667	0.00	1.00	6.938	O	|	|	|	|	4.65
208.583	0.00	1.03	7.364	O	|	|	|	|	4.91	213.750	0.00	1.00	6.931	O	|	|	|	|	4.65
208.667	0.00	1.03	7.357	O	|	|	|	|	4.90	213.833	0.00	1.00	6.925	O	|	|	|	|	4.64
208.750	0.00	1.03	7.350	O	|	|	|	|	4.90	213.917	0.00	1.00	6.918	O	|	|	|	|	4.64
208.833	0.00	1.03	7.343	O	|	|	|	|	4.89	214.000	0.00	1.00	6.911	O	|	|	|	|	4.63
208.917	0.00	1.03	7.336	O	|	|	|	|	4.89	214.083	0.00	1.00	6.904	O	|	|	|	|	4.63
209.000	0.00	1.03	7.329	O	|	|	|	|	4.88	214.167	0.00	0.99	6.897	O	|	|	|	|	4.62
209.083	0.00	1.03	7.321	O	|	|	|	|	4.88	214.250	0.00	0.99	6.890	O	|	|	|	|	4.62
209.167	0.00	1.03	7.314	O	|	|	|	|	4.88	214.333	0.00	0.99	6.883	O	|	|	|	|	4.62
209.250	0.00	1.02	7.307	O	|	|	|	|	4.87	214.417	0.00	0.99	6.877	O	|	|	|	|	4.61
209.333	0.00	1.02	7.300	O	|	|	|	|	4.87	214.500	0.00	0.99	6.870	O	|	|	|	|	4.61
209.417	0.00	1.02	7.293	O	|	|	|	|	4.86	214.583	0.00	0.99	6.863	O	|	|	|	|	4.60
209.500	0.00	1.02	7.286	O	|	|	|	|	4.86	214.667	0.00	0.99	6.856	O	|	|	|	|	4.60
209.583	0.00	1.02	7.279	O	|	|	|	|	4.85	214.750	0.00	0.99	6.849	O	|	|	|	|	4.60
209.667	0.00	1.02	7.272	O	|	|	|	|	4.85	214.833	0.00	0.99	6.842	O	|	|	|	|	4.59
209.750	0.00	1.02	7.265	O	|	|	|	|	4.85	214.917	0.00	0.99	6.836	O	|	|	|	|	4.59
209.833	0.00	1.02	7.258	O	|	|	|	|	4.84	215.000	0.00	0.99	6.829	O	|	|	|	|	4.58
209.917	0.00	1.02	7.251	O	|	|	|	|	4.84	215.083	0.00	0.99	6.822	O	|	|	|	|	4.58
210.000	0.00	1.02	7.244	O	|	|	|	|	4.83	215.167	0.00	0.99	6.815	O	|	|	|	|	4.58
210.083	0.00	1.02	7.237	O	|	|	|	|	4.83	215.250	0.00	0.99	6.808	O	|	|	|	|	4.57
210.167	0.00	1.02	7.230	O	|	|	|	|	4.82	215.333	0.00	0.99	6.801	O	|	|	|	|	4.57
210.250	0.00	1.02	7.223	O	|	|	|	|	4.82	215.417	0.00	0.99	6.795	O	|	|	|	|	4.56
210.333	0.00	1.02	7.216	O	|	|	|	|	4.82	215.500	0.00	0.99	6.788	O	|	|	|	|	4.56
210.417	0.00	1.02	7.209	O	|	|	|	|	4.81	215.583	0.00	0.99	6.781	O	|	|	|	|	4.56
210.500	0.00	1.02	7.202	O	|	|	|	|	4.81	215.667	0.00	0.99	6.774	O	|	|	|	|	4.55
210.583	0.00	1.02	7.195	O	|	|	|	|	4.80	215.750	0.00	0.99	6.767	O	|	|	|	|	4.55
210.667	0.00	1.02	7.188	O	|	|	|	|	4.80	215.833	0.00	0.99	6.761	O	|	|	|	|	4.54
210.750	0.00	1.02	7.181	O	|	|	|	|	4.80	215.917	0.00	0.98	6.754	O	|	|	|	|	4.54
210.833	0.00	1.01	7.174	O	|	|	|	|	4.79	216.000	0.00	0.98	6.747	O	|	|	|	|	4.53
210.917	0.00	1.01	7.167	O	|	|	|	|	4.79	216.083	0.00	0.98	6.740	O	|	|	|	|	4.53
211.000	0.00	1.01	7.160	O	|	|	|	|	4.78	216.167	0.00	0.98	6.734	O	|	|	|	|	4.53
211.083	0.00	1.01	7.153	O	|	|	|	|	4.78	216.250	0.00	0.98	6.727	O	|	|	|	|	4.52
211.167	0.00	1.01	7.146	O	|	|	|	|	4.77	216.333	0.00	0.98	6.720	O	|	|	|	|	4.52
211.250	0.00	1.01	7.139	O	|	|	|	|	4.77	216.417	0.00	0.98	6.713	O	|	|	|	|	4.51
211.333	0.00	1.01	7.132	O	|	|	|	|	4.77	216.500	0.00	0.98	6.707	O	|	|	|	|	4.51
211.417	0.00	1.01	7.125	O	|	|	|	|	4.76	216.583	0.00	0.98	6.700	O	|	|	|	|	4.51
211.500	0.00	1.01	7.118	O	|	|	|	|	4.76	216.667	0.00	0.98	6.693	O	|	|	|	|	4.50
211.583	0.00	1.01	7.111	O	|	|	|	|	4.75	216.750	0.00	0.98	6.686	O	|	|	|	|	4.50
211.667	0.00	1.01	7.104	O	|	|	|	|	4.75	216.833	0.00	0.98	6.680	O	|	|	|	|	4.49
211.750	0.00	1.01	7.097	O	|	|	|	|	4.75	216.917	0.00	0.98	6.673	O	|	|	|	|	4.49
211.833	0.00	1.01	7.090	O	|	|	|	|	4.74	217.000	0.00	0.98	6.666	O	|	|	|	|	4.49
211.917	0.00	1.01	7.083	O	|	|	|	|	4.74	217.083	0.00	0.98	6.659	O	|	|	|	|	4.48
212.000	0.00	1.01	7.076	O	|	|	|	|	4.73	217.167	0.00	0.98	6.653	O	|	|	|	|	4.48
212.083	0.00	1.01	7.069	O	|	|	|	|	4.73	217.250	0.00	0.98	6.646	O	|	|	|	|	4.47
212.167	0.00	1.01	7.063	O	|	|	|	|	4.72	217.333	0.00	0.98	6.639	O	|	|	|	|	4.47
212.250	0.00	1.01	7.056	O	|	|	|	|	4.72	217.417	0.00	0.98	6.632	O	|	|	|	|	4.47
212.333	0.00	1.01	7.049	O	|	|	|	|	4.72	217.500	0.00	0.98	6.626	O	|	|	|	|	4.46
212.417	0.00	1.01	7.042	O	|	|	|	|	4.71	217.583	0.00	0.97	6.619	O	|	|	|	|	4.46
212.500	0.00	1.00	7.035	O	|	|	|	|	4.71	217.667	0.00	0.97	6.612	O	|	|	|	|	4.45
212.583	0.00	1.00	7.028	O	|	|	|	|	4.70	217.750	0.00	0.97	6.606	O	|	|	|	|	4.45
212.667	0.00	1.00	7.021	O	|	|	|	|	4.70	217.833	0.00	0.97	6.599	O	|	|	|	|	4.45
212.750	0.00	1.00	7.014	O	|	|	|	|	4.70	217.917	0.00	0.97	6.592	O	|	|	|	|	4.44
212.833	0.00	1.00	7.007	O	|	|	|	|	4.69	218.000	0.00	0.97	6.585	O	|	|	|	|	4.44
212.917	0.00	1.00	7.000	O	|	|	|	|	4.69	218.083	0.00	0.97	6.579	O	|	|	|	|	4.43
213.000	0.00	1.00	6.993	O	|	|	|	|	4.68	218.167	0.00	0.97	6.572	O	|	|	|	|	4.43
213.083	0.00	1.00	6.986	O	|	|	|	|	4.68	218.250	0.00	0.97	6.565	O	|	|	|	|	4.43
213.167	0.00	1.00	6.980	O	|	|	|	|	4.67	218.333	0.00	0.97	6.559	O	|	|	|	|	4.42

218.417	0.00	0.97	6.552	O					4.42	223.583	0.00	0.94	6.144	O					4.17
218.500	0.00	0.97	6.545	O					4.41	223.667	0.00	0.94	6.138	O					4.17
218.583	0.00	0.97	6.539	O					4.41	223.750	0.00	0.94	6.131	O					4.17
218.667	0.00	0.97	6.532	O					4.41	223.833	0.00	0.94	6.125	O					4.16
218.750	0.00	0.97	6.525	O					4.40	223.917	0.00	0.94	6.118	O					4.16
218.833	0.00	0.97	6.519	O					4.40	224.000	0.00	0.94	6.112	O					4.15
218.917	0.00	0.97	6.512	O					4.39	224.083	0.00	0.94	6.105	O					4.15
219.000	0.00	0.97	6.505	O					4.39	224.167	0.00	0.94	6.099	O					4.15
219.083	0.00	0.97	6.499	O					4.39	224.250	0.00	0.94	6.092	O					4.14
219.167	0.00	0.97	6.492	O					4.38	224.333	0.00	0.94	6.086	O					4.14
219.250	0.00	0.97	6.485	O					4.38	224.417	0.00	0.94	6.079	O					4.13
219.333	0.00	0.96	6.479	O					4.37	224.500	0.00	0.94	6.073	O					4.13
219.417	0.00	0.96	6.472	O					4.37	224.583	0.00	0.94	6.067	O					4.13
219.500	0.00	0.96	6.465	O					4.37	224.667	0.00	0.93	6.060	O					4.12
219.583	0.00	0.96	6.459	O					4.36	224.750	0.00	0.93	6.054	O					4.12
219.667	0.00	0.96	6.452	O					4.36	224.833	0.00	0.93	6.047	O					4.11
219.750	0.00	0.96	6.446	O					4.35	224.917	0.00	0.93	6.041	O					4.11
219.833	0.00	0.96	6.439	O					4.35	225.000	0.00	0.93	6.034	O					4.11
219.917	0.00	0.96	6.432	O					4.35	225.083	0.00	0.93	6.028	O					4.10
220.000	0.00	0.96	6.426	O					4.34	225.167	0.00	0.93	6.022	O					4.10
220.083	0.00	0.96	6.419	O					4.34	225.250	0.00	0.93	6.015	O					4.10
220.167	0.00	0.96	6.412	O					4.33	225.333	0.00	0.93	6.009	O					4.09
220.250	0.00	0.96	6.406	O					4.33	225.417	0.00	0.93	6.002	O					4.09
220.333	0.00	0.96	6.399	O					4.33	225.500	0.00	0.93	5.996	O					4.08
220.417	0.00	0.96	6.393	O					4.32	225.583	0.00	0.93	5.989	O					4.08
220.500	0.00	0.96	6.386	O					4.32	225.667	0.00	0.93	5.983	O					4.08
220.583	0.00	0.96	6.379	O					4.31	225.750	0.00	0.93	5.977	O					4.07
220.667	0.00	0.96	6.373	O					4.31	225.833	0.00	0.93	5.970	O					4.07
220.750	0.00	0.96	6.366	O					4.31	225.917	0.00	0.93	5.964	O					4.06
220.833	0.00	0.96	6.360	O					4.30	226.000	0.00	0.93	5.957	O					4.06
220.917	0.00	0.96	6.353	O					4.30	226.083	0.00	0.93	5.951	O					4.06
221.000	0.00	0.96	6.346	O					4.29	226.167	0.00	0.93	5.945	O					4.05
221.083	0.00	0.95	6.340	O					4.29	226.250	0.00	0.93	5.938	O					4.05
221.167	0.00	0.95	6.333	O					4.29	226.333	0.00	0.93	5.932	O					4.05
221.250	0.00	0.95	6.327	O					4.28	226.417	0.00	0.93	5.926	O					4.04
221.333	0.00	0.95	6.320	O					4.28	226.500	0.00	0.92	5.919	O					4.04
221.417	0.00	0.95	6.314	O					4.27	226.583	0.00	0.92	5.913	O					4.03
221.500	0.00	0.95	6.307	O					4.27	226.667	0.00	0.92	5.907	O					4.03
221.583	0.00	0.95	6.300	O					4.27	226.750	0.00	0.92	5.900	O					4.03
221.667	0.00	0.95	6.294	O					4.26	226.833	0.00	0.92	5.894	O					4.02
221.750	0.00	0.95	6.287	O					4.26	226.917	0.00	0.92	5.887	O					4.02
221.833	0.00	0.95	6.281	O					4.25	227.000	0.00	0.92	5.881	O					4.02
221.917	0.00	0.95	6.274	O					4.25	227.083	0.00	0.92	5.875	O					4.01
222.000	0.00	0.95	6.268	O					4.25	227.167	0.00	0.92	5.868	O					4.01
222.083	0.00	0.95	6.261	O					4.24	227.250	0.00	0.92	5.862	O					4.00
222.167	0.00	0.95	6.255	O					4.24	227.333	0.00	0.92	5.856	O					4.00
222.250	0.00	0.95	6.248	O					4.24	227.417	0.00	0.92	5.849	O					4.00
222.333	0.00	0.95	6.242	O					4.23	227.500	0.00	0.92	5.843	O					3.99
222.417	0.00	0.95	6.235	O					4.23	227.583	0.00	0.92	5.837	O					3.99
222.500	0.00	0.95	6.229	O					4.22	227.667	0.00	0.92	5.830	O					3.98
222.583	0.00	0.95	6.222	O					4.22	227.750	0.00	0.92	5.824	O					3.98
222.667	0.00	0.95	6.216	O					4.22	227.833	0.00	0.92	5.818	O					3.98
222.750	0.00	0.95	6.209	O					4.21	227.917	0.00	0.92	5.811	O					3.97
222.833	0.00	0.94	6.202	O					4.21	228.000	0.00	0.92	5.805	O					3.97
222.917	0.00	0.94	6.196	O					4.20	228.083	0.00	0.92	5.799	O					3.97
223.000	0.00	0.94	6.189	O					4.20	228.167	0.00	0.92	5.793	O					3.96
223.083	0.00	0.94	6.183	O					4.20	228.250	0.00	0.91	5.786	O					3.96
223.167	0.00	0.94	6.176	O					4.19	228.333	0.00	0.91	5.780	O					3.95
223.250	0.00	0.94	6.170	O					4.19	228.417	0.00	0.91	5.774	O					3.95
223.333	0.00	0.94	6.163	O					4.18	228.500	0.00	0.91	5.767	O					3.95
223.417	0.00	0.94	6.157	O					4.18	228.583	0.00	0.91	5.761	O					3.94
223.500	0.00	0.94	6.151	O					4.18	228.667	0.00	0.91	5.755	O					3.94

228.750	0.00	0.91	5.748	O	|	|	|	|	3.94	233.917	0.00	0.88	5.365	O	|	|	|	|	3.71
228.833	0.00	0.91	5.742	O	|	|	|	|	3.93	234.000	0.00	0.88	5.359	O	|	|	|	|	3.70
228.917	0.00	0.91	5.736	O	|	|	|	|	3.93	234.083	0.00	0.88	5.353	O	|	|	|	|	3.70
229.000	0.00	0.91	5.730	O	|	|	|	|	3.92	234.167	0.00	0.88	5.347	O	|	|	|	|	3.69
229.083	0.00	0.91	5.723	O	|	|	|	|	3.92	234.250	0.00	0.88	5.341	O	|	|	|	|	3.69
229.167	0.00	0.91	5.717	O	|	|	|	|	3.92	234.333	0.00	0.88	5.334	O	|	|	|	|	3.69
229.250	0.00	0.91	5.711	O	|	|	|	|	3.91	234.417	0.00	0.88	5.328	O	|	|	|	|	3.68
229.333	0.00	0.91	5.705	O	|	|	|	|	3.91	234.500	0.00	0.88	5.322	O	|	|	|	|	3.68
229.417	0.00	0.91	5.698	O	|	|	|	|	3.91	234.583	0.00	0.88	5.316	O	|	|	|	|	3.68
229.500	0.00	0.91	5.692	O	|	|	|	|	3.90	234.667	0.00	0.88	5.310	O	|	|	|	|	3.67
229.583	0.00	0.91	5.686	O	|	|	|	|	3.90	234.750	0.00	0.88	5.304	O	|	|	|	|	3.67
229.667	0.00	0.91	5.680	O	|	|	|	|	3.89	234.833	0.00	0.88	5.298	O	|	|	|	|	3.67
229.750	0.00	0.91	5.673	O	|	|	|	|	3.89	234.917	0.00	0.88	5.292	O	|	|	|	|	3.66
229.833	0.00	0.91	5.667	O	|	|	|	|	3.89	235.000	0.00	0.88	5.286	O	|	|	|	|	3.66
229.917	0.00	0.91	5.661	O	|	|	|	|	3.88	235.083	0.00	0.88	5.280	O	|	|	|	|	3.65
230.000	0.00	0.91	5.655	O	|	|	|	|	3.88	235.167	0.00	0.88	5.274	O	|	|	|	|	3.65
230.083	0.00	0.91	5.648	O	|	|	|	|	3.88	235.250	0.00	0.88	5.268	O	|	|	|	|	3.65
230.167	0.00	0.90	5.642	O	|	|	|	|	3.87	235.333	0.00	0.88	5.262	O	|	|	|	|	3.64
230.250	0.00	0.90	5.636	O	|	|	|	|	3.87	235.417	0.00	0.88	5.256	O	|	|	|	|	3.64
230.333	0.00	0.90	5.630	O	|	|	|	|	3.86	235.500	0.00	0.88	5.250	O	|	|	|	|	3.64
230.417	0.00	0.90	5.623	O	|	|	|	|	3.86	235.583	0.00	0.88	5.244	O	|	|	|	|	3.63
230.500	0.00	0.90	5.617	O	|	|	|	|	3.86	235.667	0.00	0.88	5.238	O	|	|	|	|	3.63
230.583	0.00	0.90	5.611	O	|	|	|	|	3.85	235.750	0.00	0.88	5.232	O	|	|	|	|	3.63
230.667	0.00	0.90	5.605	O	|	|	|	|	3.85	235.833	0.00	0.87	5.226	O	|	|	|	|	3.62
230.750	0.00	0.90	5.599	O	|	|	|	|	3.85	235.917	0.00	0.87	5.220	O	|	|	|	|	3.62
230.833	0.00	0.90	5.592	O	|	|	|	|	3.84	236.000	0.00	0.87	5.213	O	|	|	|	|	3.61
230.917	0.00	0.90	5.586	O	|	|	|	|	3.84	236.083	0.00	0.87	5.207	O	|	|	|	|	3.61
231.000	0.00	0.90	5.580	O	|	|	|	|	3.83	236.167	0.00	0.87	5.201	O	|	|	|	|	3.61
231.083	0.00	0.90	5.574	O	|	|	|	|	3.83	236.250	0.00	0.87	5.195	O	|	|	|	|	3.60
231.167	0.00	0.90	5.568	O	|	|	|	|	3.83	236.333	0.00	0.87	5.189	O	|	|	|	|	3.60
231.250	0.00	0.90	5.561	O	|	|	|	|	3.82	236.417	0.00	0.87	5.183	O	|	|	|	|	3.60
231.333	0.00	0.90	5.555	O	|	|	|	|	3.82	236.500	0.00	0.87	5.177	O	|	|	|	|	3.59
231.417	0.00	0.90	5.549	O	|	|	|	|	3.82	236.583	0.00	0.87	5.171	O	|	|	|	|	3.59
231.500	0.00	0.90	5.543	O	|	|	|	|	3.81	236.667	0.00	0.87	5.165	O	|	|	|	|	3.59
231.583	0.00	0.90	5.537	O	|	|	|	|	3.81	236.750	0.00	0.87	5.159	O	|	|	|	|	3.58
231.667	0.00	0.90	5.530	O	|	|	|	|	3.80	236.833	0.00	0.87	5.153	O	|	|	|	|	3.58
231.750	0.00	0.90	5.524	O	|	|	|	|	3.80	236.917	0.00	0.87	5.147	O	|	|	|	|	3.57
231.833	0.00	0.90	5.518	O	|	|	|	|	3.80	237.000	0.00	0.87	5.141	O	|	|	|	|	3.57
231.917	0.00	0.90	5.512	O	|	|	|	|	3.79	237.083	0.00	0.87	5.136	O	|	|	|	|	3.57
232.000	0.00	0.89	5.506	O	|	|	|	|	3.79	237.167	0.00	0.87	5.130	O	|	|	|	|	3.56
232.083	0.00	0.89	5.500	O	|	|	|	|	3.79	237.250	0.00	0.87	5.124	O	|	|	|	|	3.56
232.167	0.00	0.89	5.493	O	|	|	|	|	3.78	237.333	0.00	0.87	5.118	O	|	|	|	|	3.56
232.250	0.00	0.89	5.487	O	|	|	|	|	3.78	237.417	0.00	0.87	5.112	O	|	|	|	|	3.55
232.333	0.00	0.89	5.481	O	|	|	|	|	3.78	237.500	0.00	0.87	5.106	O	|	|	|	|	3.55
232.417	0.00	0.89	5.475	O	|	|	|	|	3.77	237.583	0.00	0.87	5.100	O	|	|	|	|	3.55
232.500	0.00	0.89	5.469	O	|	|	|	|	3.77	237.667	0.00	0.87	5.094	O	|	|	|	|	3.54
232.583	0.00	0.89	5.463	O	|	|	|	|	3.76	237.750	0.00	0.86	5.088	O	|	|	|	|	3.54
232.667	0.00	0.89	5.457	O	|	|	|	|	3.76	237.833	0.00	0.86	5.082	O	|	|	|	|	3.54
232.750	0.00	0.89	5.450	O	|	|	|	|	3.76	237.917	0.00	0.86	5.076	O	|	|	|	|	3.53
232.833	0.00	0.89	5.444	O	|	|	|	|	3.75	238.000	0.00	0.86	5.070	O	|	|	|	|	3.53
232.917	0.00	0.89	5.438	O	|	|	|	|	3.75	238.083	0.00	0.86	5.064	O	|	|	|	|	3.52
233.000	0.00	0.89	5.432	O	|	|	|	|	3.75	238.167	0.00	0.86	5.058	O	|	|	|	|	3.52
233.083	0.00	0.89	5.426	O	|	|	|	|	3.74	238.250	0.00	0.86	5.052	O	|	|	|	|	3.52
233.167	0.00	0.89	5.420	O	|	|	|	|	3.74	238.333	0.00	0.86	5.046	O	|	|	|	|	3.51
233.250	0.00	0.89	5.414	O	|	|	|	|	3.73	238.417	0.00	0.86	5.040	O	|	|	|	|	3.51
233.333	0.00	0.89	5.408	O	|	|	|	|	3.73	238.500	0.00	0.86	5.034	O	|	|	|	|	3.51
233.417	0.00	0.89	5.401	O	|	|	|	|	3.73	238.583	0.00	0.86	5.028	O	|	|	|	|	3.50
233.500	0.00	0.89	5.395	O	|	|	|	|	3.72	238.667	0.00	0.86	5.022	O	|	|	|	|	3.50
233.583	0.00	0.89	5.389	O	|	|	|	|	3.72	238.750	0.00	0.86	5.017	O	|	|	|	|	3.50
233.667	0.00	0.89	5.383	O	|	|	|	|	3.72	238.833	0.00	0.86	5.011	O	|	|	|	|	3.49
233.750	0.00	0.89	5.377	O	|	|	|	|	3.71	238.917	0.00	0.86	5.005	O	|	|	|	|	3.49
233.833	0.00	0.89	5.371	O	|	|	|	|	3.71	239.000	0.00	0.86	4.999	O	|	|	|	|	3.49

239.083	0.00	0.86	4.993	O	|	|	|	|	3.48	244.250	0.00	0.83	4.632	O	|	|	|	|	3.27
239.167	0.00	0.86	4.987	O	|	|	|	|	3.48	244.333	0.00	0.83	4.626	O	|	|	|	|	3.26
239.250	0.00	0.86	4.981	O	|	|	|	|	3.47	244.417	0.00	0.83	4.621	O	|	|	|	|	3.26
239.333	0.00	0.86	4.975	O	|	|	|	|	3.47	244.500	0.00	0.83	4.615	O	|	|	|	|	3.26
239.417	0.00	0.86	4.969	O	|	|	|	|	3.47	244.583	0.00	0.83	4.609	O	|	|	|	|	3.25
239.500	0.00	0.86	4.963	O	|	|	|	|	3.46	244.667	0.00	0.83	4.604	O	|	|	|	|	3.25
239.583	0.00	0.86	4.957	O	|	|	|	|	3.46	244.750	0.00	0.83	4.598	O	|	|	|	|	3.24
239.667	0.00	0.85	4.952	O	|	|	|	|	3.46	244.833	0.00	0.83	4.592	O	|	|	|	|	3.24
239.750	0.00	0.85	4.946	O	|	|	|	|	3.45	244.917	0.00	0.83	4.586	O	|	|	|	|	3.24
239.833	0.00	0.85	4.940	O	|	|	|	|	3.45	245.000	0.00	0.83	4.581	O	|	|	|	|	3.23
239.917	0.00	0.85	4.934	O	|	|	|	|	3.45	245.083	0.00	0.83	4.575	O	|	|	|	|	3.23
240.000	0.00	0.85	4.928	O	|	|	|	|	3.44	245.167	0.00	0.83	4.569	O	|	|	|	|	3.23
240.083	0.00	0.85	4.922	O	|	|	|	|	3.44	245.250	0.00	0.83	4.564	O	|	|	|	|	3.22
240.167	0.00	0.85	4.916	O	|	|	|	|	3.44	245.333	0.00	0.83	4.558	O	|	|	|	|	3.22
240.250	0.00	0.85	4.910	O	|	|	|	|	3.43	245.417	0.00	0.83	4.552	O	|	|	|	|	3.22
240.333	0.00	0.85	4.905	O	|	|	|	|	3.43	245.500	0.00	0.83	4.547	O	|	|	|	|	3.21
240.417	0.00	0.85	4.899	O	|	|	|	|	3.43	245.583	0.00	0.83	4.541	O	|	|	|	|	3.21
240.500	0.00	0.85	4.893	O	|	|	|	|	3.42	245.667	0.00	0.82	4.535	O	|	|	|	|	3.21
240.583	0.00	0.85	4.887	O	|	|	|	|	3.42	245.750	0.00	0.82	4.530	O	|	|	|	|	3.20
240.667	0.00	0.85	4.881	O	|	|	|	|	3.41	245.833	0.00	0.82	4.524	O	|	|	|	|	3.20
240.750	0.00	0.85	4.875	O	|	|	|	|	3.41	245.917	0.00	0.82	4.518	O	|	|	|	|	3.20
240.833	0.00	0.85	4.869	O	|	|	|	|	3.41	246.000	0.00	0.82	4.512	O	|	|	|	|	3.19
240.917	0.00	0.85	4.864	O	|	|	|	|	3.40	246.083	0.00	0.82	4.507	O	|	|	|	|	3.19
241.000	0.00	0.85	4.858	O	|	|	|	|	3.40	246.167	0.00	0.82	4.501	O	|	|	|	|	3.19
241.083	0.00	0.85	4.852	O	|	|	|	|	3.40	246.250	0.00	0.82	4.495	O	|	|	|	|	3.18
241.167	0.00	0.85	4.846	O	|	|	|	|	3.39	246.333	0.00	0.82	4.490	O	|	|	|	|	3.18
241.250	0.00	0.85	4.840	O	|	|	|	|	3.39	246.417	0.00	0.82	4.484	O	|	|	|	|	3.18
241.333	0.00	0.85	4.834	O	|	|	|	|	3.39	246.500	0.00	0.82	4.479	O	|	|	|	|	3.17
241.417	0.00	0.85	4.829	O	|	|	|	|	3.38	246.583	0.00	0.82	4.473	O	|	|	|	|	3.17
241.500	0.00	0.85	4.823	O	|	|	|	|	3.38	246.667	0.00	0.82	4.467	O	|	|	|	|	3.17
241.583	0.00	0.85	4.817	O	|	|	|	|	3.38	246.750	0.00	0.82	4.462	O	|	|	|	|	3.16
241.667	0.00	0.84	4.811	O	|	|	|	|	3.37	246.833	0.00	0.82	4.456	O	|	|	|	|	3.16
241.750	0.00	0.84	4.805	O	|	|	|	|	3.37	246.917	0.00	0.82	4.450	O	|	|	|	|	3.16
241.833	0.00	0.84	4.800	O	|	|	|	|	3.37	247.000	0.00	0.82	4.445	O	|	|	|	|	3.15
241.917	0.00	0.84	4.794	O	|	|	|	|	3.36	247.083	0.00	0.82	4.439	O	|	|	|	|	3.15
242.000	0.00	0.84	4.788	O	|	|	|	|	3.36	247.167	0.00	0.82	4.433	O	|	|	|	|	3.15
242.083	0.00	0.84	4.782	O	|	|	|	|	3.36	247.250	0.00	0.82	4.428	O	|	|	|	|	3.14
242.167	0.00	0.84	4.776	O	|	|	|	|	3.35	247.333	0.00	0.82	4.422	O	|	|	|	|	3.14
242.250	0.00	0.84	4.770	O	|	|	|	|	3.35	247.417	0.00	0.82	4.417	O	|	|	|	|	3.14
242.333	0.00	0.84	4.765	O	|	|	|	|	3.34	247.500	0.00	0.82	4.411	O	|	|	|	|	3.13
242.417	0.00	0.84	4.759	O	|	|	|	|	3.34	247.583	0.00	0.82	4.405	O	|	|	|	|	3.13
242.500	0.00	0.84	4.753	O	|	|	|	|	3.34	247.667	0.00	0.82	4.400	O	|	|	|	|	3.13
242.583	0.00	0.84	4.747	O	|	|	|	|	3.33	247.750	0.00	0.81	4.394	O	|	|	|	|	3.12
242.667	0.00	0.84	4.742	O	|	|	|	|	3.33	247.833	0.00	0.81	4.388	O	|	|	|	|	3.12
242.750	0.00	0.84	4.736	O	|	|	|	|	3.33	247.917	0.00	0.81	4.383	O	|	|	|	|	3.12
242.833	0.00	0.84	4.730	O	|	|	|	|	3.32	248.000	0.00	0.81	4.377	O	|	|	|	|	3.11
242.917	0.00	0.84	4.724	O	|	|	|	|	3.32	248.083	0.00	0.81	4.372	O	|	|	|	|	3.11
243.000	0.00	0.84	4.718	O	|	|	|	|	3.32	248.167	0.00	0.81	4.366	O	|	|	|	|	3.11
243.083	0.00	0.84	4.713	O	|	|	|	|	3.31	248.250	0.00	0.81	4.360	O	|	|	|	|	3.10
243.167	0.00	0.84	4.707	O	|	|	|	|	3.31	248.333	0.00	0.81	4.355	O	|	|	|	|	3.10
243.250	0.00	0.84	4.701	O	|	|	|	|	3.31	248.417	0.00	0.81	4.349	O	|	|	|	|	3.10
243.333	0.00	0.84	4.695	O	|	|	|	|	3.30	248.500	0.00	0.81	4.344	O	|	|	|	|	3.09
243.417	0.00	0.84	4.690	O	|	|	|	|	3.30	248.583	0.00	0.81	4.338	O	|	|	|	|	3.09
243.500	0.00	0.84	4.684	O	|	|	|	|	3.30	248.667	0.00	0.81	4.332	O	|	|	|	|	3.09
243.583	0.00	0.84	4.678	O	|	|	|	|	3.29	248.750	0.00	0.81	4.327	O	|	|	|	|	3.08
243.667	0.00	0.83	4.672	O	|	|	|	|	3.29	248.833	0.00	0.81	4.321	O	|	|	|	|	3.08
243.750	0.00	0.83	4.667	O	|	|	|	|	3.29	248.917	0.00	0.81	4.316	O	|	|	|	|	3.08
243.833	0.00	0.83	4.661	O	|	|	|	|	3.28	249.000	0.00	0.81	4.310	O	|	|	|	|	3.07
243.917	0.00	0.83	4.655	O	|	|	|	|	3.28	249.083	0.00	0.81	4.305	O	|	|	|	|	3.07
244.000	0.00	0.83	4.649	O	|	|	|	|	3.28	249.167	0.00	0.81	4.299	O	|	|	|	|	3.07
244.083	0.00	0.83	4.644	O	|	|	|	|	3.27	249.250	0.00	0.81	4.293	O	|	|	|	|	3.06
244.167	0.00	0.83	4.638	O	|	|	|	|	3.27	249.333	0.00	0.81	4.288	O	|	|	|	|	3.06

249.417	0.00	0.81	4.282	O	|	|	|	|	3.06	254.583	0.00	0.78	3.944	O	|	|	|	|	2.84
249.500	0.00	0.81	4.277	O	|	|	|	|	3.05	254.667	0.00	0.77	3.939	O	|	|	|	|	2.83
249.583	0.00	0.81	4.271	O	|	|	|	|	3.05	254.750	0.00	0.77	3.934	O	|	|	|	|	2.83
249.667	0.00	0.81	4.266	O	|	|	|	|	3.05	254.833	0.00	0.77	3.928	O	|	|	|	|	2.83
249.750	0.00	0.81	4.260	O	|	|	|	|	3.04	254.917	0.00	0.77	3.923	O	|	|	|	|	2.82
249.833	0.00	0.80	4.255	O	|	|	|	|	3.04	255.000	0.00	0.77	3.918	O	|	|	|	|	2.82
249.917	0.00	0.80	4.249	O	|	|	|	|	3.04	255.083	0.00	0.77	3.912	O	|	|	|	|	2.82
250.000	0.00	0.80	4.244	O	|	|	|	|	3.03	255.167	0.00	0.77	3.907	O	|	|	|	|	2.81
250.083	0.00	0.80	4.238	O	|	|	|	|	3.03	255.250	0.00	0.77	3.902	O	|	|	|	|	2.81
250.167	0.00	0.80	4.232	O	|	|	|	|	3.03	255.333	0.00	0.77	3.896	O	|	|	|	|	2.80
250.250	0.00	0.80	4.227	O	|	|	|	|	3.02	255.417	0.00	0.77	3.891	O	|	|	|	|	2.80
250.333	0.00	0.80	4.221	O	|	|	|	|	3.02	255.500	0.00	0.77	3.886	O	|	|	|	|	2.80
250.417	0.00	0.80	4.216	O	|	|	|	|	3.02	255.583	0.00	0.77	3.880	O	|	|	|	|	2.79
250.500	0.00	0.80	4.210	O	|	|	|	|	3.01	255.667	0.00	0.77	3.875	O	|	|	|	|	2.79
250.583	0.00	0.80	4.205	O	|	|	|	|	3.01	255.750	0.00	0.77	3.870	O	|	|	|	|	2.79
250.667	0.00	0.80	4.199	O	|	|	|	|	3.01	255.833	0.00	0.77	3.865	O	|	|	|	|	2.78
250.750	0.00	0.80	4.194	O	|	|	|	|	3.00	255.917	0.00	0.77	3.859	O	|	|	|	|	2.78
250.833	0.00	0.80	4.188	O	|	|	|	|	3.00	256.000	0.00	0.77	3.854	O	|	|	|	|	2.78
250.917	0.00	0.80	4.183	O	|	|	|	|	3.00	256.083	0.00	0.77	3.849	O	|	|	|	|	2.77
251.000	0.00	0.80	4.177	O	|	|	|	|	2.99	256.167	0.00	0.77	3.843	O	|	|	|	|	2.77
251.083	0.00	0.80	4.172	O	|	|	|	|	2.99	256.250	0.00	0.76	3.838	O	|	|	|	|	2.77
251.167	0.00	0.80	4.166	O	|	|	|	|	2.98	256.333	0.00	0.76	3.833	O	|	|	|	|	2.76
251.250	0.00	0.80	4.161	O	|	|	|	|	2.98	256.417	0.00	0.76	3.828	O	|	|	|	|	2.76
251.333	0.00	0.80	4.155	O	|	|	|	|	2.98	256.500	0.00	0.76	3.822	O	|	|	|	|	2.76
251.417	0.00	0.80	4.150	O	|	|	|	|	2.97	256.583	0.00	0.76	3.817	O	|	|	|	|	2.75
251.500	0.00	0.80	4.144	O	|	|	|	|	2.97	256.667	0.00	0.76	3.812	O	|	|	|	|	2.75
251.583	0.00	0.79	4.139	O	|	|	|	|	2.97	256.750	0.00	0.76	3.807	O	|	|	|	|	2.75
251.667	0.00	0.79	4.133	O	|	|	|	|	2.96	256.833	0.00	0.76	3.801	O	|	|	|	|	2.74
251.750	0.00	0.79	4.128	O	|	|	|	|	2.96	256.917	0.00	0.76	3.796	O	|	|	|	|	2.74
251.833	0.00	0.79	4.122	O	|	|	|	|	2.96	257.000	0.00	0.76	3.791	O	|	|	|	|	2.73
251.917	0.00	0.79	4.117	O	|	|	|	|	2.95	257.083	0.00	0.76	3.786	O	|	|	|	|	2.73
252.000	0.00	0.79	4.112	O	|	|	|	|	2.95	257.167	0.00	0.76	3.780	O	|	|	|	|	2.73
252.083	0.00	0.79	4.106	O	|	|	|	|	2.94	257.250	0.00	0.76	3.775	O	|	|	|	|	2.72
252.167	0.00	0.79	4.101	O	|	|	|	|	2.94	257.333	0.00	0.76	3.770	O	|	|	|	|	2.72
252.250	0.00	0.79	4.095	O	|	|	|	|	2.94	257.417	0.00	0.76	3.765	O	|	|	|	|	2.72
252.333	0.00	0.79	4.090	O	|	|	|	|	2.93	257.500	0.00	0.76	3.760	O	|	|	|	|	2.71
252.417	0.00	0.79	4.084	O	|	|	|	|	2.93	257.583	0.00	0.76	3.754	O	|	|	|	|	2.71
252.500	0.00	0.79	4.079	O	|	|	|	|	2.93	257.667	0.00	0.76	3.749	O	|	|	|	|	2.71
252.583	0.00	0.79	4.073	O	|	|	|	|	2.92	257.750	0.00	0.76	3.744	O	|	|	|	|	2.70
252.667	0.00	0.79	4.068	O	|	|	|	|	2.92	257.833	0.00	0.75	3.739	O	|	|	|	|	2.70
252.750	0.00	0.79	4.063	O	|	|	|	|	2.92	257.917	0.00	0.75	3.734	O	|	|	|	|	2.70
252.833	0.00	0.79	4.057	O	|	|	|	|	2.91	258.000	0.00	0.75	3.728	O	|	|	|	|	2.69
252.917	0.00	0.79	4.052	O	|	|	|	|	2.91	258.083	0.00	0.75	3.723	O	|	|	|	|	2.69
253.000	0.00	0.79	4.046	O	|	|	|	|	2.90	258.167	0.00	0.75	3.718	O	|	|	|	|	2.69
253.083	0.00	0.79	4.041	O	|	|	|	|	2.90	258.250	0.00	0.75	3.713	O	|	|	|	|	2.68
253.167	0.00	0.78	4.036	O	|	|	|	|	2.90	258.333	0.00	0.75	3.708	O	|	|	|	|	2.68
253.250	0.00	0.78	4.030	O	|	|	|	|	2.89	258.417	0.00	0.75	3.702	O	|	|	|	|	2.68
253.333	0.00	0.78	4.025	O	|	|	|	|	2.89	258.500	0.00	0.75	3.697	O	|	|	|	|	2.67
253.417	0.00	0.78	4.019	O	|	|	|	|	2.89	258.583	0.00	0.75	3.692	O	|	|	|	|	2.67
253.500	0.00	0.78	4.014	O	|	|	|	|	2.88	258.667	0.00	0.75	3.687	O	|	|	|	|	2.67
253.583	0.00	0.78	4.009	O	|	|	|	|	2.88	258.750	0.00	0.75	3.682	O	|	|	|	|	2.66
253.667	0.00	0.78	4.003	O	|	|	|	|	2.88	258.833	0.00	0.75	3.677	O	|	|	|	|	2.66
253.750	0.00	0.78	3.998	O	|	|	|	|	2.87	258.917	0.00	0.75	3.671	O	|	|	|	|	2.66
253.833	0.00	0.78	3.992	O	|	|	|	|	2.87	259.000	0.00	0.75	3.666	O	|	|	|	|	2.65
253.917	0.00	0.78	3.987	O	|	|	|	|	2.87	259.083	0.00	0.75	3.661	O	|	|	|	|	2.65
254.000	0.00	0.78	3.982	O	|	|	|	|	2.86	259.167	0.00	0.75	3.656	O	|	|	|	|	2.64
254.083	0.00	0.78	3.976	O	|	|	|	|	2.86	259.250	0.00	0.75	3.651	O	|	|	|	|	2.64
254.167	0.00	0.78	3.971	O	|	|	|	|	2.85	259.333	0.00	0.75	3.646	O	|	|	|	|	2.64
254.250	0.00	0.78	3.966	O	|	|	|	|	2.85	259.417	0.00	0.75	3.641	O	|	|	|	|	2.63
254.333	0.00	0.78	3.960	O	|	|	|	|	2.85	259.500	0.00	0.74	3.635	O	|	|	|	|	2.63
254.417	0.00	0.78	3.955	O	|	|	|	|	2.84	259.583	0.00	0.74	3.630	O	|	|	|	|	2.63
254.500	0.00	0.78	3.950	O	|	|	|	|	2.84	259.667	0.00	0.74	3.625	O	|	|	|	|	2.62

259.750	0.00	0.74	3.620	O	|	|	|	|	2.62	264.917	0.00	0.71	3.309	O	|	|	|	|	2.41
259.833	0.00	0.74	3.615	O	|	|	|	|	2.62	265.000	0.00	0.71	3.304	O	|	|	|	|	2.41
259.917	0.00	0.74	3.610	O	|	|	|	|	2.61	265.083	0.00	0.71	3.300	O	|	|	|	|	2.41
260.000	0.00	0.74	3.605	O	|	|	|	|	2.61	265.167	0.00	0.71	3.295	O	|	|	|	|	2.40
260.083	0.00	0.74	3.600	O	|	|	|	|	2.61	265.250	0.00	0.71	3.290	O	|	|	|	|	2.40
260.167	0.00	0.74	3.595	O	|	|	|	|	2.60	265.333	0.00	0.71	3.285	O	|	|	|	|	2.40
260.250	0.00	0.74	3.589	O	|	|	|	|	2.60	265.417	0.00	0.71	3.280	O	|	|	|	|	2.39
260.333	0.00	0.74	3.584	O	|	|	|	|	2.60	265.500	0.00	0.71	3.275	O	|	|	|	|	2.39
260.417	0.00	0.74	3.579	O	|	|	|	|	2.59	265.583	0.00	0.71	3.270	O	|	|	|	|	2.39
260.500	0.00	0.74	3.574	O	|	|	|	|	2.59	265.667	0.00	0.71	3.265	O	|	|	|	|	2.39
260.583	0.00	0.74	3.569	O	|	|	|	|	2.59	265.750	0.00	0.71	3.261	O	|	|	|	|	2.38
260.667	0.00	0.74	3.564	O	|	|	|	|	2.58	265.833	0.00	0.71	3.256	O	|	|	|	|	2.38
260.750	0.00	0.74	3.559	O	|	|	|	|	2.58	265.917	0.00	0.71	3.251	O	|	|	|	|	2.38
260.833	0.00	0.74	3.554	O	|	|	|	|	2.58	266.000	0.00	0.71	3.246	O	|	|	|	|	2.37
260.917	0.00	0.74	3.549	O	|	|	|	|	2.57	266.083	0.00	0.71	3.241	O	|	|	|	|	2.37
261.000	0.00	0.74	3.544	O	|	|	|	|	2.57	266.167	0.00	0.70	3.236	O	|	|	|	|	2.37
261.083	0.00	0.74	3.539	O	|	|	|	|	2.57	266.250	0.00	0.70	3.231	O	|	|	|	|	2.36
261.167	0.00	0.73	3.534	O	|	|	|	|	2.56	266.333	0.00	0.70	3.226	O	|	|	|	|	2.36
261.250	0.00	0.73	3.528	O	|	|	|	|	2.56	266.417	0.00	0.70	3.222	O	|	|	|	|	2.36
261.333	0.00	0.73	3.523	O	|	|	|	|	2.56	266.500	0.00	0.70	3.217	O	|	|	|	|	2.35
261.417	0.00	0.73	3.518	O	|	|	|	|	2.55	266.583	0.00	0.70	3.212	O	|	|	|	|	2.35
261.500	0.00	0.73	3.513	O	|	|	|	|	2.55	266.667	0.00	0.70	3.207	O	|	|	|	|	2.35
261.583	0.00	0.73	3.508	O	|	|	|	|	2.55	266.750	0.00	0.70	3.202	O	|	|	|	|	2.34
261.667	0.00	0.73	3.503	O	|	|	|	|	2.54	266.833	0.00	0.70	3.197	O	|	|	|	|	2.34
261.750	0.00	0.73	3.498	O	|	|	|	|	2.54	266.917	0.00	0.70	3.193	O	|	|	|	|	2.34
261.833	0.00	0.73	3.493	O	|	|	|	|	2.54	267.000	0.00	0.70	3.188	O	|	|	|	|	2.33
261.917	0.00	0.73	3.488	O	|	|	|	|	2.53	267.083	0.00	0.70	3.183	O	|	|	|	|	2.33
262.000	0.00	0.73	3.483	O	|	|	|	|	2.53	267.167	0.00	0.70	3.178	O	|	|	|	|	2.33
262.083	0.00	0.73	3.478	O	|	|	|	|	2.53	267.250	0.00	0.70	3.173	O	|	|	|	|	2.32
262.167	0.00	0.73	3.473	O	|	|	|	|	2.52	267.333	0.00	0.70	3.169	O	|	|	|	|	2.32
262.250	0.00	0.73	3.468	O	|	|	|	|	2.52	267.417	0.00	0.70	3.164	O	|	|	|	|	2.32
262.333	0.00	0.73	3.463	O	|	|	|	|	2.52	267.500	0.00	0.70	3.159	O	|	|	|	|	2.31
262.417	0.00	0.73	3.458	O	|	|	|	|	2.51	267.583	0.00	0.70	3.154	O	|	|	|	|	2.31
262.500	0.00	0.73	3.453	O	|	|	|	|	2.51	267.667	0.00	0.70	3.149	O	|	|	|	|	2.31
262.583	0.00	0.73	3.448	O	|	|	|	|	2.51	267.750	0.00	0.70	3.145	O	|	|	|	|	2.30
262.667	0.00	0.73	3.443	O	|	|	|	|	2.50	267.833	0.00	0.70	3.140	O	|	|	|	|	2.30
262.750	0.00	0.73	3.438	O	|	|	|	|	2.50	267.917	0.00	0.69	3.135	O	|	|	|	|	2.30
262.833	0.00	0.72	3.433	O	|	|	|	|	2.50	268.000	0.00	0.69	3.130	O	|	|	|	|	2.30
262.917	0.00	0.72	3.428	O	|	|	|	|	2.49	268.083	0.00	0.69	3.125	O	|	|	|	|	2.29
263.000	0.00	0.72	3.423	O	|	|	|	|	2.49	268.167	0.00	0.69	3.121	O	|	|	|	|	2.29
263.083	0.00	0.72	3.418	O	|	|	|	|	2.49	268.250	0.00	0.69	3.116	O	|	|	|	|	2.29
263.167	0.00	0.72	3.413	O	|	|	|	|	2.48	268.333	0.00	0.69	3.111	O	|	|	|	|	2.28
263.250	0.00	0.72	3.408	O	|	|	|	|	2.48	268.417	0.00	0.69	3.106	O	|	|	|	|	2.28
263.333	0.00	0.72	3.403	O	|	|	|	|	2.48	268.500	0.00	0.69	3.102	O	|	|	|	|	2.28
263.417	0.00	0.72	3.398	O	|	|	|	|	2.47	268.583	0.00	0.69	3.097	O	|	|	|	|	2.27
263.500	0.00	0.72	3.393	O	|	|	|	|	2.47	268.667	0.00	0.69	3.092	O	|	|	|	|	2.27
263.583	0.00	0.72	3.388	O	|	|	|	|	2.47	268.750	0.00	0.69	3.087	O	|	|	|	|	2.27
263.667	0.00	0.72	3.383	O	|	|	|	|	2.46	268.833	0.00	0.69	3.083	O	|	|	|	|	2.26
263.750	0.00	0.72	3.378	O	|	|	|	|	2.46	268.917	0.00	0.69	3.078	O	|	|	|	|	2.26
263.833	0.00	0.72	3.373	O	|	|	|	|	2.46	269.000	0.00	0.69	3.073	O	|	|	|	|	2.26
263.917	0.00	0.72	3.368	O	|	|	|	|	2.45	269.083	0.00	0.69	3.068	O	|	|	|	|	2.25
264.000	0.00	0.72	3.364	O	|	|	|	|	2.45	269.167	0.00	0.69	3.064	O	|	|	|	|	2.25
264.083	0.00	0.72	3.359	O	|	|	|	|	2.45	269.250	0.00	0.69	3.059	O	|	|	|	|	2.25
264.167	0.00	0.72	3.354	O	|	|	|	|	2.44	269.333	0.00	0.69	3.054	O	|	|	|	|	2.24
264.250	0.00	0.72	3.349	O	|	|	|	|	2.44	269.417	0.00	0.69	3.049	O	|	|	|	|	2.24
264.333	0.00	0.72	3.344	O	|	|	|	|	2.44	269.500	0.00	0.69	3.045	O	|	|	|	|	2.24
264.417	0.00	0.72	3.339	O	|	|	|	|	2.43	269.583	0.00	0.69	3.040	O	|	|	|	|	2.24
264.500	0.00	0.71	3.334	O	|	|	|	|	2.43	269.667	0.00	0.68	3.035	O	|	|	|	|	2.23
264.583	0.00	0.71	3.329	O	|	|	|	|	2.43	269.750	0.00	0.68	3.031	O	|	|	|	|	2.23
264.667	0.00	0.71	3.324	O	|	|	|	|	2.42	269.833	0.00	0.68	3.026	O	|	|	|	|	2.23
264.750	0.00	0.71	3.319	O	|	|	|	|	2.42	269.917	0.00	0.68	3.021	O	|	|	|	|	2.22
264.833	0.00	0.71	3.314	O	|	|	|	|	2.42	270.000	0.00	0.68	3.016	O	|	|	|	|	2.22

270.083	0.00	0.68	3.012	O	|	|	|	|	2.22	275.250	0.00	0.65	2.726	O	|	|	|	|	2.03
270.167	0.00	0.68	3.007	O	|	|	|	|	2.21	275.333	0.00	0.65	2.722	O	|	|	|	|	2.02
270.250	0.00	0.68	3.002	O	|	|	|	|	2.21	275.417	0.00	0.65	2.717	O	|	|	|	|	2.02
270.333	0.00	0.68	2.998	O	|	|	|	|	2.21	275.500	0.00	0.65	2.713	O	|	|	|	|	2.02
270.417	0.00	0.68	2.993	O	|	|	|	|	2.20	275.583	0.00	0.65	2.708	O	|	|	|	|	2.01
270.500	0.00	0.68	2.988	O	|	|	|	|	2.20	275.667	0.00	0.65	2.704	O	|	|	|	|	2.01
270.583	0.00	0.68	2.984	O	|	|	|	|	2.20	275.750	0.00	0.65	2.699	O	|	|	|	|	2.01
270.667	0.00	0.68	2.979	O	|	|	|	|	2.19	275.833	0.00	0.65	2.695	O	|	|	|	|	2.01
270.750	0.00	0.68	2.974	O	|	|	|	|	2.19	275.917	0.00	0.65	2.690	O	|	|	|	|	2.00
270.833	0.00	0.68	2.970	O	|	|	|	|	2.19	276.000	0.00	0.65	2.686	O	|	|	|	|	2.00
270.917	0.00	0.68	2.965	O	|	|	|	|	2.19	276.083	0.00	0.65	2.681	O	|	|	|	|	2.00
271.000	0.00	0.68	2.960	O	|	|	|	|	2.18	276.167	0.00	0.65	2.677	O	|	|	|	|	1.99
271.083	0.00	0.68	2.956	O	|	|	|	|	2.18	276.250	0.00	0.65	2.673	O	|	|	|	|	1.99
271.167	0.00	0.68	2.951	O	|	|	|	|	2.18	276.333	0.00	0.65	2.668	O	|	|	|	|	1.99
271.250	0.00	0.68	2.946	O	|	|	|	|	2.17	276.417	0.00	0.65	2.664	O	|	|	|	|	1.98
271.333	0.00	0.68	2.942	O	|	|	|	|	2.17	276.500	0.00	0.65	2.659	O	|	|	|	|	1.98
271.417	0.00	0.68	2.937	O	|	|	|	|	2.17	276.583	0.00	0.65	2.655	O	|	|	|	|	1.98
271.500	0.00	0.67	2.932	O	|	|	|	|	2.16	276.667	0.00	0.64	2.650	O	|	|	|	|	1.97
271.583	0.00	0.67	2.928	O	|	|	|	|	2.16	276.750	0.00	0.64	2.646	O	|	|	|	|	1.97
271.667	0.00	0.67	2.923	O	|	|	|	|	2.16	276.833	0.00	0.64	2.641	O	|	|	|	|	1.97
271.750	0.00	0.67	2.918	O	|	|	|	|	2.15	276.917	0.00	0.64	2.637	O	|	|	|	|	1.96
271.833	0.00	0.67	2.914	O	|	|	|	|	2.15	277.000	0.00	0.64	2.633	O	|	|	|	|	1.96
271.917	0.00	0.67	2.909	O	|	|	|	|	2.15	277.083	0.00	0.64	2.628	O	|	|	|	|	1.96
272.000	0.00	0.67	2.904	O	|	|	|	|	2.15	277.167	0.00	0.64	2.624	O	|	|	|	|	1.96
272.083	0.00	0.67	2.900	O	|	|	|	|	2.14	277.250	0.00	0.64	2.619	O	|	|	|	|	1.95
272.167	0.00	0.67	2.895	O	|	|	|	|	2.14	277.333	0.00	0.64	2.615	O	|	|	|	|	1.95
272.250	0.00	0.67	2.891	O	|	|	|	|	2.14	277.417	0.00	0.64	2.611	O	|	|	|	|	1.95
272.333	0.00	0.67	2.886	O	|	|	|	|	2.13	277.500	0.00	0.64	2.606	O	|	|	|	|	1.94
272.417	0.00	0.67	2.881	O	|	|	|	|	2.13	277.583	0.00	0.64	2.602	O	|	|	|	|	1.94
272.500	0.00	0.67	2.877	O	|	|	|	|	2.13	277.667	0.00	0.64	2.597	O	|	|	|	|	1.94
272.583	0.00	0.67	2.872	O	|	|	|	|	2.12	277.750	0.00	0.64	2.593	O	|	|	|	|	1.93
272.667	0.00	0.67	2.868	O	|	|	|	|	2.12	277.833	0.00	0.64	2.589	O	|	|	|	|	1.93
272.750	0.00	0.67	2.863	O	|	|	|	|	2.12	277.917	0.00	0.63	2.584	O	|	|	|	|	1.93
272.833	0.00	0.67	2.858	O	|	|	|	|	2.11	278.000	0.00	0.63	2.580	O	|	|	|	|	1.92
272.917	0.00	0.67	2.854	O	|	|	|	|	2.11	278.083	0.00	0.63	2.575	O	|	|	|	|	1.92
273.000	0.00	0.67	2.849	O	|	|	|	|	2.11	278.167	0.00	0.63	2.571	O	|	|	|	|	1.92
273.083	0.00	0.67	2.845	O	|	|	|	|	2.11	278.250	0.00	0.63	2.567	O	|	|	|	|	1.91
273.167	0.00	0.67	2.840	O	|	|	|	|	2.10	278.333	0.00	0.63	2.562	O	|	|	|	|	1.91
273.250	0.00	0.66	2.835	O	|	|	|	|	2.10	278.417	0.00	0.63	2.558	O	|	|	|	|	1.91
273.333	0.00	0.66	2.831	O	|	|	|	|	2.10	278.500	0.00	0.63	2.554	O	|	|	|	|	1.91
273.417	0.00	0.66	2.826	O	|	|	|	|	2.09	278.583	0.00	0.63	2.549	O	|	|	|	|	1.90
273.500	0.00	0.66	2.822	O	|	|	|	|	2.09	278.667	0.00	0.63	2.545	O	|	|	|	|	1.90
273.583	0.00	0.66	2.817	O	|	|	|	|	2.09	278.750	0.00	0.63	2.541	O	|	|	|	|	1.90
273.667	0.00	0.66	2.813	O	|	|	|	|	2.08	278.833	0.00	0.63	2.536	O	|	|	|	|	1.89
273.750	0.00	0.66	2.808	O	|	|	|	|	2.08	278.917	0.00	0.63	2.532	O	|	|	|	|	1.89
273.833	0.00	0.66	2.803	O	|	|	|	|	2.08	279.000	0.00	0.63	2.528	O	|	|	|	|	1.89
273.917	0.00	0.66	2.799	O	|	|	|	|	2.08	279.083	0.00	0.63	2.523	O	|	|	|	|	1.88
274.000	0.00	0.66	2.794	O	|	|	|	|	2.07	279.167	0.00	0.62	2.519	O	|	|	|	|	1.88
274.083	0.00	0.66	2.790	O	|	|	|	|	2.07	279.250	0.00	0.62	2.515	O	|	|	|	|	1.88
274.167	0.00	0.66	2.785	O	|	|	|	|	2.07	279.333	0.00	0.62	2.511	O	|	|	|	|	1.87
274.250	0.00	0.66	2.781	O	|	|	|	|	2.06	279.417	0.00	0.62	2.506	O	|	|	|	|	1.87
274.333	0.00	0.66	2.776	O	|	|	|	|	2.06	279.500	0.00	0.62	2.502	O	|	|	|	|	1.87
274.417	0.00	0.66	2.772	O	|	|	|	|	2.06	279.583	0.00	0.62	2.498	O	|	|	|	|	1.87
274.500	0.00	0.66	2.767	O	|	|	|	|	2.05	279.667	0.00	0.62	2.493	O	|	|	|	|	1.86
274.583	0.00	0.66	2.763	O	|	|	|	|	2.05	279.750	0.00	0.62	2.489	O	|	|	|	|	1.86
274.667	0.00	0.66	2.758	O	|	|	|	|	2.05	279.833	0.00	0.62	2.485	O	|	|	|	|	1.86
274.750	0.00	0.66	2.753	O	|	|	|	|	2.04	279.917	0.00	0.62	2.481	O	|	|	|	|	1.85
274.833	0.00	0.66	2.749	O	|	|	|	|	2.04	280.000	0.00	0.62	2.476	O	|	|	|	|	1.85
274.917	0.00	0.66	2.744	O	|	|	|	|	2.04	280.083	0.00	0.62	2.472	O	|	|	|	|	1.85
275.000	0.00	0.66	2.740	O	|	|	|	|	2.04	280.167	0.00	0.62	2.468	O	|	|	|	|	1.84
275.083	0.00	0.65	2.735	O	|	|	|	|	2.03	280.250	0.00	0.62	2.464	O	|	|	|	|	1.84
275.167	0.00	0.65	2.731	O	|	|	|	|	2.03	280.333	0.00	0.62	2.459	O	|	|	|	|	1.84

280.417	0.00	0.62	2.455	O	|	|	|	|	1.83	285.583	0.00	0.58	2.201	O	|	|	|	|	1.65
280.500	0.00	0.61	2.451	O	|	|	|	|	1.83	285.667	0.00	0.58	2.197	O	|	|	|	|	1.65
280.583	0.00	0.61	2.447	O	|	|	|	|	1.83	285.750	0.00	0.58	2.193	O	|	|	|	|	1.65
280.667	0.00	0.61	2.442	O	|	|	|	|	1.83	285.833	0.00	0.58	2.189	O	|	|	|	|	1.64
280.750	0.00	0.61	2.438	O	|	|	|	|	1.82	285.917	0.00	0.57	2.185	O	|	|	|	|	1.64
280.833	0.00	0.61	2.434	O	|	|	|	|	1.82	286.000	0.00	0.57	2.181	O	|	|	|	|	1.64
280.917	0.00	0.61	2.430	O	|	|	|	|	1.82	286.083	0.00	0.57	2.177	O	|	|	|	|	1.64
281.000	0.00	0.61	2.426	O	|	|	|	|	1.81	286.167	0.00	0.57	2.173	O	|	|	|	|	1.63
281.083	0.00	0.61	2.421	O	|	|	|	|	1.81	286.250	0.00	0.57	2.169	O	|	|	|	|	1.63
281.167	0.00	0.61	2.417	O	|	|	|	|	1.81	286.333	0.00	0.57	2.165	O	|	|	|	|	1.63
281.250	0.00	0.61	2.413	O	|	|	|	|	1.80	286.417	0.00	0.57	2.161	O	|	|	|	|	1.62
281.333	0.00	0.61	2.409	O	|	|	|	|	1.80	286.500	0.00	0.57	2.157	O	|	|	|	|	1.62
281.417	0.00	0.61	2.405	O	|	|	|	|	1.80	286.583	0.00	0.57	2.153	O	|	|	|	|	1.62
281.500	0.00	0.61	2.400	O	|	|	|	|	1.80	286.667	0.00	0.57	2.149	O	|	|	|	|	1.62
281.583	0.00	0.61	2.396	O	|	|	|	|	1.79	286.750	0.00	0.57	2.145	O	|	|	|	|	1.61
281.667	0.00	0.61	2.392	O	|	|	|	|	1.79	286.833	0.00	0.57	2.141	O	|	|	|	|	1.61
281.750	0.00	0.61	2.388	O	|	|	|	|	1.79	286.917	0.00	0.57	2.138	O	|	|	|	|	1.61
281.833	0.00	0.60	2.384	O	|	|	|	|	1.78	287.000	0.00	0.57	2.134	O	|	|	|	|	1.60
281.917	0.00	0.60	2.380	O	|	|	|	|	1.78	287.083	0.00	0.57	2.130	O	|	|	|	|	1.60
282.000	0.00	0.60	2.375	O	|	|	|	|	1.78	287.167	0.00	0.57	2.126	O	|	|	|	|	1.60
282.083	0.00	0.60	2.371	O	|	|	|	|	1.77	287.250	0.00	0.57	2.122	O	|	|	|	|	1.60
282.167	0.00	0.60	2.367	O	|	|	|	|	1.77	287.333	0.00	0.56	2.118	O	|	|	|	|	1.59
282.250	0.00	0.60	2.363	O	|	|	|	|	1.77	287.417	0.00	0.56	2.114	O	|	|	|	|	1.59
282.333	0.00	0.60	2.359	O	|	|	|	|	1.77	287.500	0.00	0.56	2.110	O	|	|	|	|	1.59
282.417	0.00	0.60	2.355	O	|	|	|	|	1.76	287.583	0.00	0.56	2.106	O	|	|	|	|	1.59
282.500	0.00	0.60	2.351	O	|	|	|	|	1.76	287.667	0.00	0.56	2.103	O	|	|	|	|	1.58
282.583	0.00	0.60	2.346	O	|	|	|	|	1.76	287.750	0.00	0.56	2.099	O	|	|	|	|	1.58
282.667	0.00	0.60	2.342	O	|	|	|	|	1.75	287.833	0.00	0.56	2.095	O	|	|	|	|	1.58
282.750	0.00	0.60	2.338	O	|	|	|	|	1.75	287.917	0.00	0.56	2.091	O	|	|	|	|	1.57
282.833	0.00	0.60	2.334	O	|	|	|	|	1.75	288.000	0.00	0.56	2.087	O	|	|	|	|	1.57
282.917	0.00	0.60	2.330	O	|	|	|	|	1.75	288.083	0.00	0.56	2.083	O	|	|	|	|	1.57
283.000	0.00	0.60	2.326	O	|	|	|	|	1.74	288.167	0.00	0.56	2.079	O	|	|	|	|	1.57
283.083	0.00	0.60	2.322	O	|	|	|	|	1.74	288.250	0.00	0.56	2.076	O	|	|	|	|	1.56
283.167	0.00	0.59	2.318	O	|	|	|	|	1.74	288.333	0.00	0.56	2.072	O	|	|	|	|	1.56
283.250	0.00	0.59	2.314	O	|	|	|	|	1.73	288.417	0.00	0.56	2.068	O	|	|	|	|	1.56
283.333	0.00	0.59	2.309	O	|	|	|	|	1.73	288.500	0.00	0.56	2.064	O	|	|	|	|	1.55
283.417	0.00	0.59	2.305	O	|	|	|	|	1.73	288.583	0.00	0.56	2.060	O	|	|	|	|	1.55
283.500	0.00	0.59	2.301	O	|	|	|	|	1.72	288.667	0.00	0.56	2.056	O	|	|	|	|	1.55
283.583	0.00	0.59	2.297	O	|	|	|	|	1.72	288.750	0.00	0.55	2.053	O	|	|	|	|	1.55
283.667	0.00	0.59	2.293	O	|	|	|	|	1.72	288.833	0.00	0.55	2.049	O	|	|	|	|	1.54
283.750	0.00	0.59	2.289	O	|	|	|	|	1.72	288.917	0.00	0.55	2.045	O	|	|	|	|	1.54
283.833	0.00	0.59	2.285	O	|	|	|	|	1.71	289.000	0.00	0.55	2.041	O	|	|	|	|	1.54
283.917	0.00	0.59	2.281	O	|	|	|	|	1.71	289.083	0.00	0.55	2.037	O	|	|	|	|	1.54
284.000	0.00	0.59	2.277	O	|	|	|	|	1.71	289.167	0.00	0.55	2.033	O	|	|	|	|	1.53
284.083	0.00	0.59	2.273	O	|	|	|	|	1.70	289.250	0.00	0.55	2.030	O	|	|	|	|	1.53
284.167	0.00	0.59	2.269	O	|	|	|	|	1.70	289.333	0.00	0.55	2.026	O	|	|	|	|	1.53
284.250	0.00	0.59	2.265	O	|	|	|	|	1.70	289.417	0.00	0.55	2.022	O	|	|	|	|	1.52
284.333	0.00	0.59	2.261	O	|	|	|	|	1.70	289.500	0.00	0.55	2.018	O	|	|	|	|	1.52
284.417	0.00	0.59	2.257	O	|	|	|	|	1.69	289.583	0.00	0.55	2.015	O	|	|	|	|	1.52
284.500	0.00	0.58	2.253	O	|	|	|	|	1.69	289.667	0.00	0.55	2.011	O	|	|	|	|	1.52
284.583	0.00	0.58	2.249	O	|	|	|	|	1.69	289.750	0.00	0.55	2.007	O	|	|	|	|	1.51
284.667	0.00	0.58	2.245	O	|	|	|	|	1.68	289.833	0.00	0.55	2.003	O	|	|	|	|	1.51
284.750	0.00	0.58	2.241	O	|	|	|	|	1.68	289.917	0.00	0.55	1.999	O	|	|	|	|	1.51
284.833	0.00	0.58	2.237	O	|	|	|	|	1.68	290.000	0.00	0.55	1.996	O	|	|	|	|	1.51
284.917	0.00	0.58	2.233	O	|	|	|	|	1.68	290.083	0.00	0.55	1.992	O	|	|	|	|	1.50
285.000	0.00	0.58	2.229	O	|	|	|	|	1.67	290.167	0.00	0.55	1.988	O	|	|	|	|	1.50
285.083	0.00	0.58	2.225	O	|	|	|	|	1.67	290.250	0.00	0.54	1.984	O	|	|	|	|	1.50
285.167	0.00	0.58	2.221	O	|	|	|	|	1.67	290.333	0.00	0.54	1.981	O	|	|	|	|	1.50
285.250	0.00	0.58	2.217	O	|	|	|	|	1.66	290.417	0.00	0.54	1.977	O	|	|	|	|	1.49
285.333	0.00	0.58	2.213	O	|	|	|	|	1.66	290.500	0.00	0.54	1.973	O	|	|	|	|	1.49
285.417	0.00	0.58	2.209	O	|	|	|	|	1.66	290.583	0.00	0.54	1.969	O	|	|	|	|	1.49
285.500	0.00	0.58	2.205	O	|	|	|	|	1.66	290.667	0.00	0.54	1.966	O	|	|	|	|	1.48

290.750	0.00	0.54	1.962	O	|	|	|	|	1.48	295.917	0.00	0.51	1.738	O	|	|	|	|	1.32
290.833	0.00	0.54	1.958	O	|	|	|	|	1.48	296.000	0.00	0.51	1.735	O	|	|	|	|	1.32
290.917	0.00	0.54	1.955	O	|	|	|	|	1.48	296.083	0.00	0.51	1.731	O	|	|	|	|	1.32
291.000	0.00	0.54	1.951	O	|	|	|	|	1.47	296.167	0.00	0.51	1.728	O	|	|	|	|	1.31
291.083	0.00	0.54	1.947	O	|	|	|	|	1.47	296.250	0.00	0.51	1.724	O	|	|	|	|	1.31
291.167	0.00	0.54	1.943	O	|	|	|	|	1.47	296.333	0.00	0.50	1.721	O	|	|	|	|	1.31
291.250	0.00	0.54	1.940	O	|	|	|	|	1.47	296.417	0.00	0.50	1.717	O	|	|	|	|	1.31
291.333	0.00	0.54	1.936	O	|	|	|	|	1.46	296.500	0.00	0.50	1.714	O	|	|	|	|	1.30
291.417	0.00	0.54	1.932	O	|	|	|	|	1.46	296.583	0.00	0.50	1.710	O	|	|	|	|	1.30
291.500	0.00	0.54	1.929	O	|	|	|	|	1.46	296.667	0.00	0.50	1.707	O	|	|	|	|	1.30
291.583	0.00	0.54	1.925	O	|	|	|	|	1.46	296.750	0.00	0.50	1.703	O	|	|	|	|	1.30
291.667	0.00	0.54	1.921	O	|	|	|	|	1.45	296.833	0.00	0.50	1.700	O	|	|	|	|	1.29
291.750	0.00	0.53	1.918	O	|	|	|	|	1.45	296.917	0.00	0.50	1.696	O	|	|	|	|	1.29
291.833	0.00	0.53	1.914	O	|	|	|	|	1.45	297.000	0.00	0.50	1.693	O	|	|	|	|	1.29
291.917	0.00	0.53	1.910	O	|	|	|	|	1.44	297.083	0.00	0.50	1.690	O	|	|	|	|	1.29
292.000	0.00	0.53	1.907	O	|	|	|	|	1.44	297.167	0.00	0.50	1.686	O	|	|	|	|	1.28
292.083	0.00	0.53	1.903	O	|	|	|	|	1.44	297.250	0.00	0.50	1.683	O	|	|	|	|	1.28
292.167	0.00	0.53	1.899	O	|	|	|	|	1.44	297.333	0.00	0.50	1.679	O	|	|	|	|	1.28
292.250	0.00	0.53	1.896	O	|	|	|	|	1.43	297.417	0.00	0.50	1.676	O	|	|	|	|	1.28
292.333	0.00	0.53	1.892	O	|	|	|	|	1.43	297.500	0.00	0.50	1.672	O	|	|	|	|	1.27
292.417	0.00	0.53	1.888	O	|	|	|	|	1.43	297.583	0.00	0.50	1.669	O	|	|	|	|	1.27
292.500	0.00	0.53	1.885	O	|	|	|	|	1.43	297.667	0.00	0.50	1.666	O	|	|	|	|	1.27
292.583	0.00	0.53	1.881	O	|	|	|	|	1.42	297.750	0.00	0.50	1.662	O	|	|	|	|	1.27
292.667	0.00	0.53	1.877	O	|	|	|	|	1.42	297.833	0.00	0.50	1.659	O	|	|	|	|	1.26
292.750	0.00	0.53	1.874	O	|	|	|	|	1.42	297.917	0.00	0.50	1.655	O	|	|	|	|	1.26
292.833	0.00	0.53	1.870	O	|	|	|	|	1.42	298.000	0.00	0.49	1.652	O	|	|	|	|	1.26
292.917	0.00	0.53	1.866	O	|	|	|	|	1.41	298.083	0.00	0.49	1.648	O	|	|	|	|	1.26
293.000	0.00	0.53	1.863	O	|	|	|	|	1.41	298.167	0.00	0.49	1.645	O	|	|	|	|	1.25
293.083	0.00	0.53	1.859	O	|	|	|	|	1.41	298.250	0.00	0.49	1.642	O	|	|	|	|	1.25
293.167	0.00	0.53	1.855	O	|	|	|	|	1.41	298.333	0.00	0.49	1.638	O	|	|	|	|	1.25
293.250	0.00	0.52	1.852	O	|	|	|	|	1.40	298.417	0.00	0.49	1.635	O	|	|	|	|	1.25
293.333	0.00	0.52	1.848	O	|	|	|	|	1.40	298.500	0.00	0.49	1.632	O	|	|	|	|	1.25
293.417	0.00	0.52	1.845	O	|	|	|	|	1.40	298.583	0.00	0.49	1.628	O	|	|	|	|	1.24
293.500	0.00	0.52	1.841	O	|	|	|	|	1.40	298.667	0.00	0.49	1.625	O	|	|	|	|	1.24
293.583	0.00	0.52	1.837	O	|	|	|	|	1.39	298.750	0.00	0.49	1.621	O	|	|	|	|	1.24
293.667	0.00	0.52	1.834	O	|	|	|	|	1.39	298.833	0.00	0.49	1.618	O	|	|	|	|	1.24
293.750	0.00	0.52	1.830	O	|	|	|	|	1.39	298.917	0.00	0.49	1.615	O	|	|	|	|	1.23
293.833	0.00	0.52	1.827	O	|	|	|	|	1.38	299.000	0.00	0.49	1.611	O	|	|	|	|	1.23
293.917	0.00	0.52	1.823	O	|	|	|	|	1.38	299.083	0.00	0.49	1.608	O	|	|	|	|	1.23
294.000	0.00	0.52	1.820	O	|	|	|	|	1.38	299.167	0.00	0.49	1.605	O	|	|	|	|	1.23
294.083	0.00	0.52	1.816	O	|	|	|	|	1.38	299.250	0.00	0.49	1.601	O	|	|	|	|	1.22
294.167	0.00	0.52	1.812	O	|	|	|	|	1.37	299.333	0.00	0.49	1.598	O	|	|	|	|	1.22
294.250	0.00	0.52	1.809	O	|	|	|	|	1.37	299.417	0.00	0.49	1.595	O	|	|	|	|	1.22
294.333	0.00	0.52	1.805	O	|	|	|	|	1.37	299.500	0.00	0.49	1.591	O	|	|	|	|	1.22
294.417	0.00	0.52	1.802	O	|	|	|	|	1.37	299.583	0.00	0.48	1.588	O	|	|	|	|	1.21
294.500	0.00	0.52	1.798	O	|	|	|	|	1.36	299.667	0.00	0.48	1.584	O	|	|	|	|	1.21
294.583	0.00	0.52	1.795	O	|	|	|	|	1.36	299.750	0.00	0.48	1.581	O	|	|	|	|	1.21
294.667	0.00	0.52	1.791	O	|	|	|	|	1.36	299.833	0.00	0.48	1.578	O	|	|	|	|	1.21
294.750	0.00	0.51	1.787	O	|	|	|	|	1.36	299.917	0.00	0.48	1.574	O	|	|	|	|	1.20
294.833	0.00	0.51	1.784	O	|	|	|	|	1.35	300.000	0.00	0.48	1.571	O	|	|	|	|	1.20
294.917	0.00	0.51	1.780	O	|	|	|	|	1.35	300.083	0.00	0.48	1.568	O	|	|	|	|	1.20
295.000	0.00	0.51	1.777	O	|	|	|	|	1.35	300.167	0.00	0.48	1.565	O	|	|	|	|	1.20
295.083	0.00	0.51	1.773	O	|	|	|	|	1.35	300.250	0.00	0.48	1.561	O	|	|	|	|	1.19
295.167	0.00	0.51	1.770	O	|	|	|	|	1.34	300.333	0.00	0.48	1.558	O	|	|	|	|	1.19
295.250	0.00	0.51	1.766	O	|	|	|	|	1.34	300.417	0.00	0.48	1.555	O	|	|	|	|	1.19
295.333	0.00	0.51	1.763	O	|	|	|	|	1.34	300.500	0.00	0.48	1.551	O	|	|	|	|	1.19
295.417	0.00	0.51	1.759	O	|	|	|	|	1.34	300.583	0.00	0.48	1.548	O	|	|	|	|	1.19
295.500	0.00	0.51	1.756	O	|	|	|	|	1.33	300.667	0.00	0.48	1.545	O	|	|	|	|	1.18
295.583	0.00	0.51	1.752	O	|	|	|	|	1.33	300.750	0.00	0.48	1.541	O	|	|	|	|	1.18
295.667	0.00	0.51	1.749	O	|	|	|	|	1.33	300.833	0.00	0.48	1.538	O	|	|	|	|	1.18
295.750	0.00	0.51	1.745	O	|	|	|	|	1.33	300.917	0.00	0.48	1.535	O	|	|	|	|	1.18
295.833	0.00	0.51	1.742	O	|	|	|	|	1.32	301.000	0.00	0.48	1.532	O	|	|	|	|	1.17

301.083	0.00	0.48	1.528	O	|	|	|	|	1.17	306.250	0.00	0.45	1.331	O	|	|	|	|	1.03
301.167	0.00	0.48	1.525	O	|	|	|	|	1.17	306.333	0.00	0.45	1.328	O	|	|	|	|	1.03
301.250	0.00	0.47	1.522	O	|	|	|	|	1.17	306.417	0.00	0.45	1.325	O	|	|	|	|	1.03
301.333	0.00	0.47	1.518	O	|	|	|	|	1.16	306.500	0.00	0.44	1.322	O	|	|	|	|	1.02
301.417	0.00	0.47	1.515	O	|	|	|	|	1.16	306.583	0.00	0.44	1.319	O	|	|	|	|	1.02
301.500	0.00	0.47	1.512	O	|	|	|	|	1.16	306.667	0.00	0.44	1.316	O	|	|	|	|	1.02
301.583	0.00	0.47	1.509	O	|	|	|	|	1.16	306.750	0.00	0.44	1.313	O	|	|	|	|	1.02
301.667	0.00	0.47	1.505	O	|	|	|	|	1.15	306.833	0.00	0.44	1.310	O	|	|	|	|	1.02
301.750	0.00	0.47	1.502	O	|	|	|	|	1.15	306.917	0.00	0.44	1.307	O	|	|	|	|	1.01
301.833	0.00	0.47	1.499	O	|	|	|	|	1.15	307.000	0.00	0.44	1.304	O	|	|	|	|	1.01
301.917	0.00	0.47	1.496	O	|	|	|	|	1.15	307.083	0.00	0.44	1.301	O	|	|	|	|	1.01
302.000	0.00	0.47	1.492	O	|	|	|	|	1.15	307.167	0.00	0.44	1.298	O	|	|	|	|	1.01
302.083	0.00	0.47	1.489	O	|	|	|	|	1.14	307.250	0.00	0.44	1.295	O	|	|	|	|	1.00
302.167	0.00	0.47	1.486	O	|	|	|	|	1.14	307.333	0.00	0.44	1.292	O	|	|	|	|	1.00
302.250	0.00	0.47	1.483	O	|	|	|	|	1.14	307.417	0.00	0.44	1.289	O	|	|	|	|	1.00
302.333	0.00	0.47	1.479	O	|	|	|	|	1.14	307.500	0.00	0.44	1.286	O	|	|	|	|	1.00
302.417	0.00	0.47	1.476	O	|	|	|	|	1.13	307.583	0.00	0.44	1.283	O	|	|	|	|	1.00
302.500	0.00	0.47	1.473	O	|	|	|	|	1.13	307.667	0.00	0.44	1.280	O	|	|	|	|	0.99
302.583	0.00	0.47	1.470	O	|	|	|	|	1.13	307.750	0.00	0.44	1.277	O	|	|	|	|	0.99
302.667	0.00	0.47	1.467	O	|	|	|	|	1.13	307.833	0.00	0.43	1.274	O	|	|	|	|	0.99
302.750	0.00	0.47	1.463	O	|	|	|	|	1.12	307.917	0.00	0.43	1.271	O	|	|	|	|	0.99
302.833	0.00	0.47	1.460	O	|	|	|	|	1.12	308.000	0.00	0.43	1.268	O	|	|	|	|	0.98
302.917	0.00	0.47	1.457	O	|	|	|	|	1.12	308.083	0.00	0.43	1.265	O	|	|	|	|	0.98
303.000	0.00	0.46	1.454	O	|	|	|	|	1.12	308.167	0.00	0.43	1.262	O	|	|	|	|	0.98
303.083	0.00	0.46	1.451	O	|	|	|	|	1.12	308.250	0.00	0.43	1.259	O	|	|	|	|	0.98
303.167	0.00	0.46	1.447	O	|	|	|	|	1.11	308.333	0.00	0.43	1.256	O	|	|	|	|	0.97
303.250	0.00	0.46	1.444	O	|	|	|	|	1.11	308.417	0.00	0.43	1.253	O	|	|	|	|	0.97
303.333	0.00	0.46	1.441	O	|	|	|	|	1.11	308.500	0.00	0.43	1.250	O	|	|	|	|	0.97
303.417	0.00	0.46	1.438	O	|	|	|	|	1.11	308.583	0.00	0.43	1.247	O	|	|	|	|	0.97
303.500	0.00	0.46	1.435	O	|	|	|	|	1.10	308.667	0.00	0.42	1.244	O	|	|	|	|	0.97
303.583	0.00	0.46	1.431	O	|	|	|	|	1.10	308.750	0.00	0.42	1.241	O	|	|	|	|	0.96
303.667	0.00	0.46	1.428	O	|	|	|	|	1.10	308.833	0.00	0.42	1.238	O	|	|	|	|	0.96
303.750	0.00	0.46	1.425	O	|	|	|	|	1.10	308.917	0.00	0.42	1.235	O	|	|	|	|	0.96
303.833	0.00	0.46	1.422	O	|	|	|	|	1.10	309.000	0.00	0.42	1.232	O	|	|	|	|	0.96
303.917	0.00	0.46	1.419	O	|	|	|	|	1.09	309.083	0.00	0.42	1.229	O	|	|	|	|	0.95
304.000	0.00	0.46	1.416	O	|	|	|	|	1.09	309.167	0.00	0.42	1.227	O	|	|	|	|	0.95
304.083	0.00	0.46	1.412	O	|	|	|	|	1.09	309.250	0.00	0.42	1.224	O	|	|	|	|	0.95
304.167	0.00	0.46	1.409	O	|	|	|	|	1.09	309.333	0.00	0.42	1.221	O	|	|	|	|	0.95
304.250	0.00	0.46	1.406	O	|	|	|	|	1.08	309.417	0.00	0.42	1.218	O	|	|	|	|	0.94
304.333	0.00	0.46	1.403	O	|	|	|	|	1.08	309.500	0.00	0.41	1.215	O	|	|	|	|	0.94
304.417	0.00	0.46	1.400	O	|	|	|	|	1.08	309.583	0.00	0.41	1.212	O	|	|	|	|	0.94
304.500	0.00	0.46	1.397	O	|	|	|	|	1.08	309.667	0.00	0.41	1.209	O	|	|	|	|	0.94
304.583	0.00	0.46	1.394	O	|	|	|	|	1.07	309.750	0.00	0.41	1.207	O	|	|	|	|	0.94
304.667	0.00	0.46	1.390	O	|	|	|	|	1.07	309.833	0.00	0.41	1.204	O	|	|	|	|	0.93
304.750	0.00	0.45	1.387	O	|	|	|	|	1.07	309.917	0.00	0.41	1.201	O	|	|	|	|	0.93
304.833	0.00	0.45	1.384	O	|	|	|	|	1.07	310.000	0.00	0.41	1.198	O	|	|	|	|	0.93
304.917	0.00	0.45	1.381	O	|	|	|	|	1.07	310.083	0.00	0.41	1.195	O	|	|	|	|	0.93
305.000	0.00	0.45	1.378	O	|	|	|	|	1.06	310.167	0.00	0.41	1.192	O	|	|	|	|	0.93
305.083	0.00	0.45	1.375	O	|	|	|	|	1.06	310.250	0.00	0.41	1.190	O	|	|	|	|	0.92
305.167	0.00	0.45	1.372	O	|	|	|	|	1.06	310.333	0.00	0.41	1.187	O	|	|	|	|	0.92
305.250	0.00	0.45	1.369	O	|	|	|	|	1.06	310.417	0.00	0.40	1.184	O	|	|	|	|	0.92
305.333	0.00	0.45	1.365	O	|	|	|	|	1.05	310.500	0.00	0.40	1.181	O	|	|	|	|	0.92
305.417	0.00	0.45	1.362	O	|	|	|	|	1.05	310.583	0.00	0.40	1.179	O	|	|	|	|	0.91
305.500	0.00	0.45	1.359	O	|	|	|	|	1.05	310.667	0.00	0.40	1.176	O	|	|	|	|	0.91
305.583	0.00	0.45	1.356	O	|	|	|	|	1.05	310.750	0.00	0.40	1.173	O	|	|	|	|	0.91
305.667	0.00	0.45	1.353	O	|	|	|	|	1.05	310.833	0.00	0.40	1.170	O	|	|	|	|	0.91
305.750	0.00	0.45	1.350	O	|	|	|	|	1.04	310.917	0.00	0.40	1.168	O	|	|	|	|	0.91
305.833	0.00	0.45	1.347	O	|	|	|	|	1.04	311.000	0.00	0.40	1.165	O	|	|	|	|	0.90
305.917	0.00	0.45	1.344	O	|	|	|	|	1.04	311.083	0.00	0.40	1.162	O	|	|	|	|	0.90
306.000	0.00	0.45	1.341	O	|	|	|	|	1.04	311.167	0.00	0.40	1.159	O	|	|	|	|	0.90
306.083	0.00	0.45	1.338	O	|	|	|	|	1.03	311.250	0.00	0.39	1.157	O	|	|	|	|	0.90
306.167	0.00	0.45	1.334	O	|	|	|	|	1.03	311.333	0.00	0.39	1.154	O	|	|	|	|	0.90

311.417	0.00	0.39	1.151	O	|	|	|	|	0.89	316.583	0.00	0.34	0.995	O	|	|	|	|	0.77
311.500	0.00	0.39	1.148	O	|	|	|	|	0.89	316.667	0.00	0.34	0.993	O	|	|	|	|	0.77
311.583	0.00	0.39	1.146	O	|	|	|	|	0.89	316.750	0.00	0.34	0.990	O	|	|	|	|	0.77
311.667	0.00	0.39	1.143	O	|	|	|	|	0.89	316.833	0.00	0.34	0.988	O	|	|	|	|	0.77
311.750	0.00	0.39	1.140	O	|	|	|	|	0.88	316.917	0.00	0.34	0.986	O	|	|	|	|	0.76
311.833	0.00	0.39	1.138	O	|	|	|	|	0.88	317.000	0.00	0.34	0.983	O	|	|	|	|	0.76
311.917	0.00	0.39	1.135	O	|	|	|	|	0.88	317.083	0.00	0.33	0.981	O	|	|	|	|	0.76
312.000	0.00	0.39	1.132	O	|	|	|	|	0.88	317.167	0.00	0.33	0.979	O	|	|	|	|	0.76
312.083	0.00	0.39	1.130	O	|	|	|	|	0.88	317.250	0.00	0.33	0.976	O	|	|	|	|	0.76
312.167	0.00	0.38	1.127	O	|	|	|	|	0.87	317.333	0.00	0.33	0.974	O	|	|	|	|	0.76
312.250	0.00	0.38	1.124	O	|	|	|	|	0.87	317.417	0.00	0.33	0.972	O	|	|	|	|	0.75
312.333	0.00	0.38	1.122	O	|	|	|	|	0.87	317.500	0.00	0.33	0.970	O	|	|	|	|	0.75
312.417	0.00	0.38	1.119	O	|	|	|	|	0.87	317.583	0.00	0.33	0.967	O	|	|	|	|	0.75
312.500	0.00	0.38	1.117	O	|	|	|	|	0.87	317.667	0.00	0.33	0.965	O	|	|	|	|	0.75
312.583	0.00	0.38	1.114	O	|	|	|	|	0.86	317.750	0.00	0.33	0.963	O	|	|	|	|	0.75
312.667	0.00	0.38	1.111	O	|	|	|	|	0.86	317.833	0.00	0.33	0.961	O	|	|	|	|	0.75
312.750	0.00	0.38	1.109	O	|	|	|	|	0.86	317.917	0.00	0.33	0.958	O	|	|	|	|	0.74
312.833	0.00	0.38	1.106	O	|	|	|	|	0.86	318.000	0.00	0.33	0.956	O	|	|	|	|	0.74
312.917	0.00	0.38	1.103	O	|	|	|	|	0.86	318.083	0.00	0.33	0.954	O	|	|	|	|	0.74
313.000	0.00	0.38	1.101	O	|	|	|	|	0.85	318.167	0.00	0.32	0.952	O	|	|	|	|	0.74
313.083	0.00	0.37	1.098	O	|	|	|	|	0.85	318.250	0.00	0.32	0.949	O	|	|	|	|	0.74
313.167	0.00	0.37	1.096	O	|	|	|	|	0.85	318.333	0.00	0.32	0.947	O	|	|	|	|	0.73
313.250	0.00	0.37	1.093	O	|	|	|	|	0.85	318.417	0.00	0.32	0.945	O	|	|	|	|	0.73
313.333	0.00	0.37	1.091	O	|	|	|	|	0.85	318.500	0.00	0.32	0.943	O	|	|	|	|	0.73
313.417	0.00	0.37	1.088	O	|	|	|	|	0.84	318.583	0.00	0.32	0.940	O	|	|	|	|	0.73
313.500	0.00	0.37	1.085	O	|	|	|	|	0.84	318.667	0.00	0.32	0.938	O	|	|	|	|	0.73
313.583	0.00	0.37	1.083	O	|	|	|	|	0.84	318.750	0.00	0.32	0.936	O	|	|	|	|	0.73
313.667	0.00	0.37	1.080	O	|	|	|	|	0.84	318.833	0.00	0.32	0.934	O	|	|	|	|	0.72
313.750	0.00	0.37	1.078	O	|	|	|	|	0.84	318.917	0.00	0.32	0.932	O	|	|	|	|	0.72
313.833	0.00	0.37	1.075	O	|	|	|	|	0.83	319.000	0.00	0.32	0.929	O	|	|	|	|	0.72
313.917	0.00	0.37	1.073	O	|	|	|	|	0.83	319.083	0.00	0.32	0.927	O	|	|	|	|	0.72
314.000	0.00	0.37	1.070	O	|	|	|	|	0.83	319.167	0.00	0.32	0.925	O	|	|	|	|	0.72
314.083	0.00	0.36	1.068	O	|	|	|	|	0.83	319.250	0.00	0.32	0.923	O	|	|	|	|	0.72
314.167	0.00	0.36	1.065	O	|	|	|	|	0.83	319.333	0.00	0.31	0.921	O	|	|	|	|	0.71
314.250	0.00	0.36	1.063	O	|	|	|	|	0.82	319.417	0.00	0.31	0.919	O	|	|	|	|	0.71
314.333	0.00	0.36	1.060	O	|	|	|	|	0.82	319.500	0.00	0.31	0.916	O	|	|	|	|	0.71
314.417	0.00	0.36	1.058	O	|	|	|	|	0.82	319.583	0.00	0.31	0.914	O	|	|	|	|	0.71
314.500	0.00	0.36	1.055	O	|	|	|	|	0.82	319.667	0.00	0.31	0.912	O	|	|	|	|	0.71
314.583	0.00	0.36	1.053	O	|	|	|	|	0.82	319.750	0.00	0.31	0.910	O	|	|	|	|	0.71
314.667	0.00	0.36	1.050	O	|	|	|	|	0.81	319.833	0.00	0.31	0.908	O	|	|	|	|	0.70
314.750	0.00	0.36	1.048	O	|	|	|	|	0.81	319.917	0.00	0.31	0.906	O	|	|	|	|	0.70
314.833	0.00	0.36	1.045	O	|	|	|	|	0.81	320.000	0.00	0.31	0.904	O	|	|	|	|	0.70
314.917	0.00	0.36	1.043	O	|	|	|	|	0.81	320.083	0.00	0.31	0.901	O	|	|	|	|	0.70
315.000	0.00	0.36	1.040	O	|	|	|	|	0.81	320.167	0.00	0.31	0.899	O	|	|	|	|	0.70
315.083	0.00	0.35	1.038	O	|	|	|	|	0.81	320.250	0.00	0.31	0.897	O	|	|	|	|	0.70
315.167	0.00	0.35	1.036	O	|	|	|	|	0.80	320.333	0.00	0.31	0.895	O	|	|	|	|	0.69
315.250	0.00	0.35	1.033	O	|	|	|	|	0.80	320.417	0.00	0.30	0.893	O	|	|	|	|	0.69
315.333	0.00	0.35	1.031	O	|	|	|	|	0.80	320.500	0.00	0.30	0.891	O	|	|	|	|	0.69
315.417	0.00	0.35	1.028	O	|	|	|	|	0.80	320.583	0.00	0.30	0.889	O	|	|	|	|	0.69
315.500	0.00	0.35	1.026	O	|	|	|	|	0.80	320.667	0.00	0.30	0.887	O	|	|	|	|	0.69
315.583	0.00	0.35	1.024	O	|	|	|	|	0.79	320.750	0.00	0.30	0.885	O	|	|	|	|	0.69
315.667	0.00	0.35	1.021	O	|	|	|	|	0.79	320.833	0.00	0.30	0.883	O	|	|	|	|	0.68
315.750	0.00	0.35	1.019	O	|	|	|	|	0.79	320.917	0.00	0.30	0.881	O	|	|	|	|	0.68
315.833	0.00	0.35	1.016	O	|	|	|	|	0.79	321.000	0.00	0.30	0.878	O	|	|	|	|	0.68
315.917	0.00	0.35	1.014	O	|	|	|	|	0.79	321.083	0.00	0.30	0.876	O	|	|	|	|	0.68
316.000	0.00	0.35	1.012	O	|	|	|	|	0.78	321.167	0.00	0.30	0.874	O	|	|	|	|	0.68
316.083	0.00	0.34	1.009	O	|	|	|	|	0.78	321.250	0.00	0.30	0.872	O	|	|	|	|	0.68
316.167	0.00	0.34	1.007	O	|	|	|	|	0.78	321.333	0.00	0.30	0.870	O	|	|	|	|	0.68
316.250	0.00	0.34	1.004	O	|	|	|	|	0.78	321.417	0.00	0.30	0.868	O	|	|	|	|	0.67
316.333	0.00	0.34	1.002	O	|	|	|	|	0.78	321.500	0.00	0.30	0.866	O	|	|	|	|	0.67
316.417	0.00	0.34	1.000	O	|	|	|	|	0.78	321.583	0.00	0.29	0.864	O	|	|	|	|	0.67
316.500	0.00	0.34	0.997	O	|	|	|	|	0.77	321.667	0.00	0.29	0.862	O	|	|	|	|	0.67

321.750	0.00	0.29	0.860	O	|	|	|	|	0.67	326.917	0.00	0.25	0.743	O	|	|	|	|	0.58
321.833	0.00	0.29	0.858	O	|	|	|	|	0.67	327.000	0.00	0.25	0.742	O	|	|	|	|	0.58
321.917	0.00	0.29	0.856	O	|	|	|	|	0.66	327.083	0.00	0.25	0.740	O	|	|	|	|	0.57
322.000	0.00	0.29	0.854	O	|	|	|	|	0.66	327.167	0.00	0.25	0.738	O	|	|	|	|	0.57
322.083	0.00	0.29	0.852	O	|	|	|	|	0.66	327.250	0.00	0.25	0.736	O	|	|	|	|	0.57
322.167	0.00	0.29	0.850	O	|	|	|	|	0.66	327.333	0.00	0.25	0.735	O	|	|	|	|	0.57
322.250	0.00	0.29	0.848	O	|	|	|	|	0.66	327.417	0.00	0.25	0.733	O	|	|	|	|	0.57
322.333	0.00	0.29	0.846	O	|	|	|	|	0.66	327.500	0.00	0.25	0.731	O	|	|	|	|	0.57
322.417	0.00	0.29	0.844	O	|	|	|	|	0.65	327.583	0.00	0.25	0.730	O	|	|	|	|	0.57
322.500	0.00	0.29	0.842	O	|	|	|	|	0.65	327.667	0.00	0.25	0.728	O	|	|	|	|	0.56
322.583	0.00	0.29	0.840	O	|	|	|	|	0.65	327.750	0.00	0.25	0.726	O	|	|	|	|	0.56
322.667	0.00	0.29	0.838	O	|	|	|	|	0.65	327.833	0.00	0.25	0.724	O	|	|	|	|	0.56
322.750	0.00	0.29	0.836	O	|	|	|	|	0.65	327.917	0.00	0.25	0.723	O	|	|	|	|	0.56
322.833	0.00	0.28	0.834	O	|	|	|	|	0.65	328.000	0.00	0.25	0.721	O	|	|	|	|	0.56
322.917	0.00	0.28	0.832	O	|	|	|	|	0.65	328.083	0.00	0.25	0.719	O	|	|	|	|	0.56
323.000	0.00	0.28	0.830	O	|	|	|	|	0.64	328.167	0.00	0.24	0.718	O	|	|	|	|	0.56
323.083	0.00	0.28	0.828	O	|	|	|	|	0.64	328.250	0.00	0.24	0.716	O	|	|	|	|	0.56
323.167	0.00	0.28	0.826	O	|	|	|	|	0.64	328.333	0.00	0.24	0.714	O	|	|	|	|	0.55
323.250	0.00	0.28	0.824	O	|	|	|	|	0.64	328.417	0.00	0.24	0.713	O	|	|	|	|	0.55
323.333	0.00	0.28	0.823	O	|	|	|	|	0.64	328.500	0.00	0.24	0.711	O	|	|	|	|	0.55
323.417	0.00	0.28	0.821	O	|	|	|	|	0.64	328.583	0.00	0.24	0.709	O	|	|	|	|	0.55
323.500	0.00	0.28	0.819	O	|	|	|	|	0.64	328.667	0.00	0.24	0.708	O	|	|	|	|	0.55
323.583	0.00	0.28	0.817	O	|	|	|	|	0.63	328.750	0.00	0.24	0.706	O	|	|	|	|	0.55
323.667	0.00	0.28	0.815	O	|	|	|	|	0.63	328.833	0.00	0.24	0.704	O	|	|	|	|	0.55
323.750	0.00	0.28	0.813	O	|	|	|	|	0.63	328.917	0.00	0.24	0.703	O	|	|	|	|	0.55
323.833	0.00	0.28	0.811	O	|	|	|	|	0.63	329.000	0.00	0.24	0.701	O	|	|	|	|	0.54
323.917	0.00	0.28	0.809	O	|	|	|	|	0.63	329.083	0.00	0.24	0.699	O	|	|	|	|	0.54
324.000	0.00	0.28	0.807	O	|	|	|	|	0.63	329.167	0.00	0.24	0.698	O	|	|	|	|	0.54
324.083	0.00	0.27	0.805	O	|	|	|	|	0.62	329.250	0.00	0.24	0.696	O	|	|	|	|	0.54
324.167	0.00	0.27	0.803	O	|	|	|	|	0.62	329.333	0.00	0.24	0.694	O	|	|	|	|	0.54
324.250	0.00	0.27	0.802	O	|	|	|	|	0.62	329.417	0.00	0.24	0.693	O	|	|	|	|	0.54
324.333	0.00	0.27	0.800	O	|	|	|	|	0.62	329.500	0.00	0.24	0.691	O	|	|	|	|	0.54
324.417	0.00	0.27	0.798	O	|	|	|	|	0.62	329.583	0.00	0.24	0.690	O	|	|	|	|	0.53
324.500	0.00	0.27	0.796	O	|	|	|	|	0.62	329.667	0.00	0.23	0.688	O	|	|	|	|	0.53
324.583	0.00	0.27	0.794	O	|	|	|	|	0.62	329.750	0.00	0.23	0.686	O	|	|	|	|	0.53
324.667	0.00	0.27	0.792	O	|	|	|	|	0.61	329.833	0.00	0.23	0.685	O	|	|	|	|	0.53
324.750	0.00	0.27	0.790	O	|	|	|	|	0.61	329.917	0.00	0.23	0.683	O	|	|	|	|	0.53
324.833	0.00	0.27	0.788	O	|	|	|	|	0.61	330.000	0.00	0.23	0.681	O	|	|	|	|	0.53
324.917	0.00	0.27	0.787	O	|	|	|	|	0.61	330.083	0.00	0.23	0.680	O	|	|	|	|	0.53
325.000	0.00	0.27	0.785	O	|	|	|	|	0.61	330.167	0.00	0.23	0.678	O	|	|	|	|	0.53
325.083	0.00	0.27	0.783	O	|	|	|	|	0.61	330.250	0.00	0.23	0.677	O	|	|	|	|	0.52
325.167	0.00	0.27	0.781	O	|	|	|	|	0.61	330.333	0.00	0.23	0.675	O	|	|	|	|	0.52
325.250	0.00	0.27	0.779	O	|	|	|	|	0.60	330.417	0.00	0.23	0.674	O	|	|	|	|	0.52
325.333	0.00	0.27	0.777	O	|	|	|	|	0.60	330.500	0.00	0.23	0.672	O	|	|	|	|	0.52
325.417	0.00	0.26	0.776	O	|	|	|	|	0.60	330.583	0.00	0.23	0.670	O	|	|	|	|	0.52
325.500	0.00	0.26	0.774	O	|	|	|	|	0.60	330.667	0.00	0.23	0.669	O	|	|	|	|	0.52
325.583	0.00	0.26	0.772	O	|	|	|	|	0.60	330.750	0.00	0.23	0.667	O	|	|	|	|	0.52
325.667	0.00	0.26	0.770	O	|	|	|	|	0.60	330.833	0.00	0.23	0.666	O	|	|	|	|	0.52
325.750	0.00	0.26	0.768	O	|	|	|	|	0.60	330.917	0.00	0.23	0.664	O	|	|	|	|	0.52
325.833	0.00	0.26	0.766	O	|	|	|	|	0.59	331.000	0.00	0.23	0.663	O	|	|	|	|	0.51
325.917	0.00	0.26	0.765	O	|	|	|	|	0.59	331.083	0.00	0.23	0.661	O	|	|	|	|	0.51
326.000	0.00	0.26	0.763	O	|	|	|	|	0.59	331.167	0.00	0.23	0.659	O	|	|	|	|	0.51
326.083	0.00	0.26	0.761	O	|	|	|	|	0.59	331.250	0.00	0.22	0.658	O	|	|	|	|	0.51
326.167	0.00	0.26	0.759	O	|	|	|	|	0.59	331.333	0.00	0.22	0.656	O	|	|	|	|	0.51
326.250	0.00	0.26	0.758	O	|	|	|	|	0.59	331.417	0.00	0.22	0.655	O	|	|	|	|	0.51
326.333	0.00	0.26	0.756	O	|	|	|	|	0.59	331.500	0.00	0.22	0.653	O	|	|	|	|	0.51
326.417	0.00	0.26	0.754	O	|	|	|	|	0.58	331.583	0.00	0.22	0.652	O	|	|	|	|	0.51
326.500	0.00	0.26	0.752	O	|	|	|	|	0.58	331.667	0.00	0.22	0.650	O	|	|	|	|	0.50
326.583	0.00	0.26	0.750	O	|	|	|	|	0.58	331.750	0.00	0.22	0.649	O	|	|	|	|	0.50
326.667	0.00	0.26	0.749	O	|	|	|	|	0.58	331.833	0.00	0.22	0.647	O	|	|	|	|	0.50
326.750	0.00	0.25	0.747	O	|	|	|	|	0.58	331.917	0.00	0.22	0.646	O	|	|	|	|	0.50
326.833	0.00	0.25	0.745	O	|	|	|	|	0.58	332.000	0.00	0.22	0.644	O	|	|	|	|	0.50

332.083	0.00	0.22	0.643	O	|	|	|	|	0.50	337.250	0.00	0.19	0.555	O	|	|	|	|	0.43
332.167	0.00	0.22	0.641	O	|	|	|	|	0.50	337.333	0.00	0.19	0.554	O	|	|	|	|	0.43
332.250	0.00	0.22	0.640	O	|	|	|	|	0.50	337.417	0.00	0.19	0.553	O	|	|	|	|	0.43
332.333	0.00	0.22	0.638	O	|	|	|	|	0.50	337.500	0.00	0.19	0.552	O	|	|	|	|	0.43
332.417	0.00	0.22	0.637	O	|	|	|	|	0.49	337.583	0.00	0.19	0.550	O	|	|	|	|	0.43
332.500	0.00	0.22	0.635	O	|	|	|	|	0.49	337.667	0.00	0.19	0.549	O	|	|	|	|	0.43
332.583	0.00	0.22	0.634	O	|	|	|	|	0.49	337.750	0.00	0.19	0.548	O	|	|	|	|	0.42
332.667	0.00	0.22	0.632	O	|	|	|	|	0.49	337.833	0.00	0.19	0.546	O	|	|	|	|	0.42
332.750	0.00	0.22	0.631	O	|	|	|	|	0.49	337.917	0.00	0.19	0.545	O	|	|	|	|	0.42
332.833	0.00	0.21	0.629	O	|	|	|	|	0.49	338.000	0.00	0.19	0.544	O	|	|	|	|	0.42
332.917	0.00	0.21	0.628	O	|	|	|	|	0.49	338.083	0.00	0.19	0.543	O	|	|	|	|	0.42
333.000	0.00	0.21	0.626	O	|	|	|	|	0.49	338.167	0.00	0.18	0.541	O	|	|	|	|	0.42
333.083	0.00	0.21	0.625	O	|	|	|	|	0.48	338.250	0.00	0.18	0.540	O	|	|	|	|	0.42
333.167	0.00	0.21	0.623	O	|	|	|	|	0.48	338.333	0.00	0.18	0.539	O	|	|	|	|	0.42
333.250	0.00	0.21	0.622	O	|	|	|	|	0.48	338.417	0.00	0.18	0.537	O	|	|	|	|	0.42
333.333	0.00	0.21	0.620	O	|	|	|	|	0.48	338.500	0.00	0.18	0.536	O	|	|	|	|	0.42
333.417	0.00	0.21	0.619	O	|	|	|	|	0.48	338.583	0.00	0.18	0.535	O	|	|	|	|	0.41
333.500	0.00	0.21	0.617	O	|	|	|	|	0.48	338.667	0.00	0.18	0.534	O	|	|	|	|	0.41
333.583	0.00	0.21	0.616	O	|	|	|	|	0.48	338.750	0.00	0.18	0.532	O	|	|	|	|	0.41
333.667	0.00	0.21	0.615	O	|	|	|	|	0.48	338.833	0.00	0.18	0.531	O	|	|	|	|	0.41
333.750	0.00	0.21	0.613	O	|	|	|	|	0.48	338.917	0.00	0.18	0.530	O	|	|	|	|	0.41
333.833	0.00	0.21	0.612	O	|	|	|	|	0.47	339.000	0.00	0.18	0.529	O	|	|	|	|	0.41
333.917	0.00	0.21	0.610	O	|	|	|	|	0.47	339.083	0.00	0.18	0.527	O	|	|	|	|	0.41
334.000	0.00	0.21	0.609	O	|	|	|	|	0.47	339.167	0.00	0.18	0.526	O	|	|	|	|	0.41
334.083	0.00	0.21	0.607	O	|	|	|	|	0.47	339.250	0.00	0.18	0.525	O	|	|	|	|	0.41
334.167	0.00	0.21	0.606	O	|	|	|	|	0.47	339.333	0.00	0.18	0.524	O	|	|	|	|	0.41
334.250	0.00	0.21	0.604	O	|	|	|	|	0.47	339.417	0.00	0.18	0.523	O	|	|	|	|	0.41
334.333	0.00	0.21	0.603	O	|	|	|	|	0.47	339.500	0.00	0.18	0.521	O	|	|	|	|	0.40
334.417	0.00	0.21	0.602	O	|	|	|	|	0.47	339.583	0.00	0.18	0.520	O	|	|	|	|	0.40
334.500	0.00	0.20	0.600	O	|	|	|	|	0.47	339.667	0.00	0.18	0.519	O	|	|	|	|	0.40
334.583	0.00	0.20	0.599	O	|	|	|	|	0.46	339.750	0.00	0.18	0.518	O	|	|	|	|	0.40
334.667	0.00	0.20	0.597	O	|	|	|	|	0.46	339.833	0.00	0.18	0.516	O	|	|	|	|	0.40
334.750	0.00	0.20	0.596	O	|	|	|	|	0.46	339.917	0.00	0.18	0.515	O	|	|	|	|	0.40
334.833	0.00	0.20	0.595	O	|	|	|	|	0.46	340.000	0.00	0.18	0.514	O	|	|	|	|	0.40
334.917	0.00	0.20	0.593	O	|	|	|	|	0.46	340.083	0.00	0.18	0.513	O	|	|	|	|	0.40
335.000	0.00	0.20	0.592	O	|	|	|	|	0.46	340.167	0.00	0.17	0.512	O	|	|	|	|	0.40
335.083	0.00	0.20	0.590	O	|	|	|	|	0.46	340.250	0.00	0.17	0.510	O	|	|	|	|	0.40
335.167	0.00	0.20	0.589	O	|	|	|	|	0.46	340.333	0.00	0.17	0.509	O	|	|	|	|	0.40
335.250	0.00	0.20	0.588	O	|	|	|	|	0.46	340.417	0.00	0.17	0.508	O	|	|	|	|	0.39
335.333	0.00	0.20	0.586	O	|	|	|	|	0.45	340.500	0.00	0.17	0.507	O	|	|	|	|	0.39
335.417	0.00	0.20	0.585	O	|	|	|	|	0.45	340.583	0.00	0.17	0.506	O	|	|	|	|	0.39
335.500	0.00	0.20	0.584	O	|	|	|	|	0.45	340.667	0.00	0.17	0.504	O	|	|	|	|	0.39
335.583	0.00	0.20	0.582	O	|	|	|	|	0.45	340.750	0.00	0.17	0.503	O	|	|	|	|	0.39
335.667	0.00	0.20	0.581	O	|	|	|	|	0.45	340.833	0.00	0.17	0.502	O	|	|	|	|	0.39
335.750	0.00	0.20	0.579	O	|	|	|	|	0.45	340.917	0.00	0.17	0.501	O	|	|	|	|	0.39
335.833	0.00	0.20	0.578	O	|	|	|	|	0.45	341.000	0.00	0.17	0.500	O	|	|	|	|	0.39
335.917	0.00	0.20	0.577	O	|	|	|	|	0.45	341.083	0.00	0.17	0.499	O	|	|	|	|	0.39
336.000	0.00	0.20	0.575	O	|	|	|	|	0.45	341.167	0.00	0.17	0.497	O	|	|	|	|	0.39
336.083	0.00	0.20	0.574	O	|	|	|	|	0.45	341.250	0.00	0.17	0.496	O	|	|	|	|	0.38
336.167	0.00	0.20	0.573	O	|	|	|	|	0.44	341.333	0.00	0.17	0.495	O	|	|	|	|	0.38
336.250	0.00	0.20	0.571	O	|	|	|	|	0.44	341.417	0.00	0.17	0.494	O	|	|	|	|	0.38
336.333	0.00	0.19	0.570	O	|	|	|	|	0.44	341.500	0.00	0.17	0.493	O	|	|	|	|	0.38
336.417	0.00	0.19	0.569	O	|	|	|	|	0.44	341.583	0.00	0.17	0.492	O	|	|	|	|	0.38
336.500	0.00	0.19	0.567	O	|	|	|	|	0.44	341.667	0.00	0.17	0.490	O	|	|	|	|	0.38
336.583	0.00	0.19	0.566	O	|	|	|	|	0.44	341.750	0.00	0.17	0.489	O	|	|	|	|	0.38
336.667	0.00	0.19	0.565	O	|	|	|	|	0.44	341.833	0.00	0.17	0.488	O	|	|	|	|	0.38
336.750	0.00	0.19	0.563	O	|	|	|	|	0.44	341.917	0.00	0.17	0.487	O	|	|	|	|	0.38
336.833	0.00	0.19	0.562	O	|	|	|	|	0.44	342.000	0.00	0.17	0.486	O	|	|	|	|	0.38
336.917	0.00	0.19	0.561	O	|	|	|	|	0.43	342.083	0.00	0.17	0.485	O	|	|	|	|	0.38
337.000	0.00	0.19	0.559	O	|	|	|	|	0.43	342.167	0.00	0.17	0.483	O	|	|	|	|	0.38
337.083	0.00	0.19	0.558	O	|	|	|	|	0.43	342.250	0.00	0.16	0.482	O	|	|	|	|	0.37
337.167	0.00	0.19	0.557	O	|	|	|	|	0.43	342.333	0.00	0.16	0.481	O	|	|	|	|	0.37

342.417	0.00	0.16	0.480	O	|	|	|	|	0.37	347.583	0.00	0.14	0.415	O	|	|	|	|	0.32
342.500	0.00	0.16	0.479	O	|	|	|	|	0.37	347.667	0.00	0.14	0.414	O	|	|	|	|	0.32
342.583	0.00	0.16	0.478	O	|	|	|	|	0.37	347.750	0.00	0.14	0.413	O	|	|	|	|	0.32
342.667	0.00	0.16	0.477	O	|	|	|	|	0.37	347.833	0.00	0.14	0.412	O	|	|	|	|	0.32
342.750	0.00	0.16	0.476	O	|	|	|	|	0.37	347.917	0.00	0.14	0.411	O	|	|	|	|	0.32
342.833	0.00	0.16	0.474	O	|	|	|	|	0.37	348.000	0.00	0.14	0.410	O	|	|	|	|	0.32
342.917	0.00	0.16	0.473	O	|	|	|	|	0.37	348.083	0.00	0.14	0.409	O	|	|	|	|	0.32
343.000	0.00	0.16	0.472	O	|	|	|	|	0.37	348.167	0.00	0.14	0.408	O	|	|	|	|	0.32
343.083	0.00	0.16	0.471	O	|	|	|	|	0.37	348.250	0.00	0.14	0.407	O	|	|	|	|	0.32
343.167	0.00	0.16	0.470	O	|	|	|	|	0.36	348.333	0.00	0.14	0.406	O	|	|	|	|	0.32
343.250	0.00	0.16	0.469	O	|	|	|	|	0.36	348.417	0.00	0.14	0.405	O	|	|	|	|	0.31
343.333	0.00	0.16	0.468	O	|	|	|	|	0.36	348.500	0.00	0.14	0.404	O	|	|	|	|	0.31
343.417	0.00	0.16	0.467	O	|	|	|	|	0.36	348.583	0.00	0.14	0.403	O	|	|	|	|	0.31
343.500	0.00	0.16	0.466	O	|	|	|	|	0.36	348.667	0.00	0.14	0.402	O	|	|	|	|	0.31
343.583	0.00	0.16	0.465	O	|	|	|	|	0.36	348.750	0.00	0.14	0.402	O	|	|	|	|	0.31
343.667	0.00	0.16	0.463	O	|	|	|	|	0.36	348.833	0.00	0.14	0.401	O	|	|	|	|	0.31
343.750	0.00	0.16	0.462	O	|	|	|	|	0.36	348.917	0.00	0.14	0.400	O	|	|	|	|	0.31
343.833	0.00	0.16	0.461	O	|	|	|	|	0.36	349.000	0.00	0.14	0.399	O	|	|	|	|	0.31
343.917	0.00	0.16	0.460	O	|	|	|	|	0.36	349.083	0.00	0.14	0.398	O	|	|	|	|	0.31
344.000	0.00	0.16	0.459	O	|	|	|	|	0.36	349.167	0.00	0.14	0.397	O	|	|	|	|	0.31
344.083	0.00	0.16	0.458	O	|	|	|	|	0.36	349.250	0.00	0.14	0.396	O	|	|	|	|	0.31
344.167	0.00	0.16	0.457	O	|	|	|	|	0.35	349.333	0.00	0.13	0.395	O	|	|	|	|	0.31
344.250	0.00	0.16	0.456	O	|	|	|	|	0.35	349.417	0.00	0.13	0.394	O	|	|	|	|	0.31
344.333	0.00	0.16	0.455	O	|	|	|	|	0.35	349.500	0.00	0.13	0.393	O	|	|	|	|	0.30
344.417	0.00	0.15	0.454	O	|	|	|	|	0.35	349.583	0.00	0.13	0.392	O	|	|	|	|	0.30
344.500	0.00	0.15	0.453	O	|	|	|	|	0.35	349.667	0.00	0.13	0.391	O	|	|	|	|	0.30
344.583	0.00	0.15	0.452	O	|	|	|	|	0.35	349.750	0.00	0.13	0.390	O	|	|	|	|	0.30
344.667	0.00	0.15	0.451	O	|	|	|	|	0.35	349.833	0.00	0.13	0.389	O	|	|	|	|	0.30
344.750	0.00	0.15	0.450	O	|	|	|	|	0.35	349.917	0.00	0.13	0.389	O	|	|	|	|	0.30
344.833	0.00	0.15	0.448	O	|	|	|	|	0.35	350.000	0.00	0.13	0.388	O	|	|	|	|	0.30
344.917	0.00	0.15	0.447	O	|	|	|	|	0.35	350.083	0.00	0.13	0.387	O	|	|	|	|	0.30
345.000	0.00	0.15	0.446	O	|	|	|	|	0.35	350.167	0.00	0.13	0.386	O	|	|	|	|	0.30
345.083	0.00	0.15	0.445	O	|	|	|	|	0.35	350.250	0.00	0.13	0.385	O	|	|	|	|	0.30
345.167	0.00	0.15	0.444	O	|	|	|	|	0.34	350.333	0.00	0.13	0.384	O	|	|	|	|	0.30
345.250	0.00	0.15	0.443	O	|	|	|	|	0.34	350.417	0.00	0.13	0.383	O	|	|	|	|	0.30
345.333	0.00	0.15	0.442	O	|	|	|	|	0.34	350.500	0.00	0.13	0.382	O	|	|	|	|	0.30
345.417	0.00	0.15	0.441	O	|	|	|	|	0.34	350.583	0.00	0.13	0.381	O	|	|	|	|	0.30
345.500	0.00	0.15	0.440	O	|	|	|	|	0.34	350.667	0.00	0.13	0.380	O	|	|	|	|	0.30
345.583	0.00	0.15	0.439	O	|	|	|	|	0.34	350.750	0.00	0.13	0.380	O	|	|	|	|	0.29
345.667	0.00	0.15	0.438	O	|	|	|	|	0.34	350.833	0.00	0.13	0.379	O	|	|	|	|	0.29
345.750	0.00	0.15	0.437	O	|	|	|	|	0.34	350.917	0.00	0.13	0.378	O	|	|	|	|	0.29
345.833	0.00	0.15	0.436	O	|	|	|	|	0.34	351.000	0.00	0.13	0.377	O	|	|	|	|	0.29
345.917	0.00	0.15	0.435	O	|	|	|	|	0.34	351.083	0.00	0.13	0.376	O	|	|	|	|	0.29
346.000	0.00	0.15	0.434	O	|	|	|	|	0.34	351.167	0.00	0.13	0.375	O	|	|	|	|	0.29
346.083	0.00	0.15	0.433	O	|	|	|	|	0.34	351.250	0.00	0.13	0.374	O	|	|	|	|	0.29
346.167	0.00	0.15	0.432	O	|	|	|	|	0.34	351.333	0.00	0.13	0.373	O	|	|	|	|	0.29
346.250	0.00	0.15	0.431	O	|	|	|	|	0.33	351.417	0.00	0.13	0.372	O	|	|	|	|	0.29
346.333	0.00	0.15	0.430	O	|	|	|	|	0.33	351.500	0.00	0.13	0.372	O	|	|	|	|	0.29
346.417	0.00	0.15	0.429	O	|	|	|	|	0.33	351.583	0.00	0.13	0.371	O	|	|	|	|	0.29
346.500	0.00	0.15	0.428	O	|	|	|	|	0.33	351.667	0.00	0.13	0.370	O	|	|	|	|	0.29
346.583	0.00	0.15	0.427	O	|	|	|	|	0.33	351.750	0.00	0.13	0.369	O	|	|	|	|	0.29
346.667	0.00	0.15	0.426	O	|	|	|	|	0.33	351.833	0.00	0.13	0.368	O	|	|	|	|	0.29
346.750	0.00	0.15	0.425	O	|	|	|	|	0.33	351.917	0.00	0.13	0.367	O	|	|	|	|	0.28
346.833	0.00	0.14	0.424	O	|	|	|	|	0.33	352.000	0.00	0.13	0.366	O	|	|	|	|	0.28
346.917	0.00	0.14	0.423	O	|	|	|	|	0.33	352.083	0.00	0.12	0.366	O	|	|	|	|	0.28
347.000	0.00	0.14	0.422	O	|	|	|	|	0.33	352.167	0.00	0.12	0.365	O	|	|	|	|	0.28
347.083	0.00	0.14	0.421	O	|	|	|	|	0.33	352.250	0.00	0.12	0.364	O	|	|	|	|	0.28
347.167	0.00	0.14	0.420	O	|	|	|	|	0.33	352.333	0.00	0.12	0.363	O	|	|	|	|	0.28
347.250	0.00	0.14	0.419	O	|	|	|	|	0.32	352.417	0.00	0.12	0.362	O	|	|	|	|	0.28
347.333	0.00	0.14	0.418	O	|	|	|	|	0.32	352.500	0.00	0.12	0.361	O	|	|	|	|	0.28
347.417	0.00	0.14	0.417	O	|	|	|	|	0.32	352.583	0.00	0.12	0.360	O	|	|	|	|	0.28
347.500	0.00	0.14	0.416	O	|	|	|	|	0.32	352.667	0.00	0.12	0.360	O	|	|	|	|	0.28

352.750	0.00	0.12	0.359	O	|	|	|	|	0.28	357.917	0.00	0.11	0.310	O	|	|	|	|	0.24
352.833	0.00	0.12	0.358	O	|	|	|	|	0.28	358.000	0.00	0.11	0.309	O	|	|	|	|	0.24
352.917	0.00	0.12	0.357	O	|	|	|	|	0.28	358.083	0.00	0.11	0.309	O	|	|	|	|	0.24
353.000	0.00	0.12	0.356	O	|	|	|	|	0.28	358.167	0.00	0.11	0.308	O	|	|	|	|	0.24
353.083	0.00	0.12	0.355	O	|	|	|	|	0.28	358.250	0.00	0.10	0.307	O	|	|	|	|	0.24
353.167	0.00	0.12	0.355	O	|	|	|	|	0.28	358.333	0.00	0.10	0.306	O	|	|	|	|	0.24
353.250	0.00	0.12	0.354	O	|	|	|	|	0.27	358.417	0.00	0.10	0.306	O	|	|	|	|	0.24
353.333	0.00	0.12	0.353	O	|	|	|	|	0.27	358.500	0.00	0.10	0.305	O	|	|	|	|	0.24
353.417	0.00	0.12	0.352	O	|	|	|	|	0.27	358.583	0.00	0.10	0.304	O	|	|	|	|	0.24
353.500	0.00	0.12	0.351	O	|	|	|	|	0.27	358.667	0.00	0.10	0.304	O	|	|	|	|	0.24
353.583	0.00	0.12	0.350	O	|	|	|	|	0.27	358.750	0.00	0.10	0.303	O	|	|	|	|	0.23
353.667	0.00	0.12	0.350	O	|	|	|	|	0.27	358.833	0.00	0.10	0.302	O	|	|	|	|	0.23
353.750	0.00	0.12	0.349	O	|	|	|	|	0.27	358.917	0.00	0.10	0.301	O	|	|	|	|	0.23
353.833	0.00	0.12	0.348	O	|	|	|	|	0.27	359.000	0.00	0.10	0.301	O	|	|	|	|	0.23
353.917	0.00	0.12	0.347	O	|	|	|	|	0.27	359.083	0.00	0.10	0.300	O	|	|	|	|	0.23
354.000	0.00	0.12	0.346	O	|	|	|	|	0.27	359.167	0.00	0.10	0.299	O	|	|	|	|	0.23
354.083	0.00	0.12	0.345	O	|	|	|	|	0.27	359.250	0.00	0.10	0.299	O	|	|	|	|	0.23
354.167	0.00	0.12	0.345	O	|	|	|	|	0.27	359.333	0.00	0.10	0.298	O	|	|	|	|	0.23
354.250	0.00	0.12	0.344	O	|	|	|	|	0.27	359.417	0.00	0.10	0.297	O	|	|	|	|	0.23
354.333	0.00	0.12	0.343	O	|	|	|	|	0.27	359.500	0.00	0.10	0.297	O	|	|	|	|	0.23
354.417	0.00	0.12	0.342	O	|	|	|	|	0.27	359.583	0.00	0.10	0.296	O	|	|	|	|	0.23
354.500	0.00	0.12	0.341	O	|	|	|	|	0.26	359.667	0.00	0.10	0.295	O	|	|	|	|	0.23
354.583	0.00	0.12	0.341	O	|	|	|	|	0.26	359.750	0.00	0.10	0.294	O	|	|	|	|	0.23
354.667	0.00	0.12	0.340	O	|	|	|	|	0.26	359.833	0.00	0.10	0.294	O	|	|	|	|	0.23
354.750	0.00	0.12	0.339	O	|	|	|	|	0.26	359.917	0.00	0.10	0.293	O	|	|	|	|	0.23
354.833	0.00	0.12	0.338	O	|	|	|	|	0.26	360.000	0.00	0.10	0.292	O	|	|	|	|	0.23
354.917	0.00	0.12	0.337	O	|	|	|	|	0.26	360.083	0.00	0.10	0.292	O	|	|	|	|	0.23
355.000	0.00	0.11	0.337	O	|	|	|	|	0.26	360.167	0.00	0.10	0.291	O	|	|	|	|	0.23
355.083	0.00	0.11	0.336	O	|	|	|	|	0.26	360.250	0.00	0.10	0.290	O	|	|	|	|	0.23
355.167	0.00	0.11	0.335	O	|	|	|	|	0.26	360.333	0.00	0.10	0.290	O	|	|	|	|	0.22
355.250	0.00	0.11	0.334	O	|	|	|	|	0.26	360.417	0.00	0.10	0.289	O	|	|	|	|	0.22
355.333	0.00	0.11	0.333	O	|	|	|	|	0.26	360.500	0.00	0.10	0.288	O	|	|	|	|	0.22
355.417	0.00	0.11	0.333	O	|	|	|	|	0.26	360.583	0.00	0.10	0.288	O	|	|	|	|	0.22
355.500	0.00	0.11	0.332	O	|	|	|	|	0.26	360.667	0.00	0.10	0.287	O	|	|	|	|	0.22
355.583	0.00	0.11	0.331	O	|	|	|	|	0.26	360.750	0.00	0.10	0.286	O	|	|	|	|	0.22
355.667	0.00	0.11	0.330	O	|	|	|	|	0.26	360.833	0.00	0.10	0.286	O	|	|	|	|	0.22
355.750	0.00	0.11	0.330	O	|	|	|	|	0.26	360.917	0.00	0.10	0.285	O	|	|	|	|	0.22
355.833	0.00	0.11	0.329	O	|	|	|	|	0.26	361.000	0.00	0.10	0.284	O	|	|	|	|	0.22
355.917	0.00	0.11	0.328	O	|	|	|	|	0.25	361.083	0.00	0.10	0.284	O	|	|	|	|	0.22
356.000	0.00	0.11	0.327	O	|	|	|	|	0.25	361.167	0.00	0.10	0.283	O	|	|	|	|	0.22
356.083	0.00	0.11	0.327	O	|	|	|	|	0.25	361.250	0.00	0.10	0.282	O	|	|	|	|	0.22
356.167	0.00	0.11	0.326	O	|	|	|	|	0.25	361.333	0.00	0.10	0.282	O	|	|	|	|	0.22
356.250	0.00	0.11	0.325	O	|	|	|	|	0.25	361.417	0.00	0.10	0.281	O	|	|	|	|	0.22
356.333	0.00	0.11	0.324	O	|	|	|	|	0.25	361.500	0.00	0.10	0.280	O	|	|	|	|	0.22
356.417	0.00	0.11	0.323	O	|	|	|	|	0.25	361.583	0.00	0.10	0.280	O	|	|	|	|	0.22
356.500	0.00	0.11	0.323	O	|	|	|	|	0.25	361.667	0.00	0.10	0.279	O	|	|	|	|	0.22
356.583	0.00	0.11	0.322	O	|	|	|	|	0.25	361.750	0.00	0.09	0.278	O	|	|	|	|	0.22
356.667	0.00	0.11	0.321	O	|	|	|	|	0.25	361.833	0.00	0.09	0.278	O	|	|	|	|	0.22
356.750	0.00	0.11	0.320	O	|	|	|	|	0.25	361.917	0.00	0.09	0.277	O	|	|	|	|	0.21
356.833	0.00	0.11	0.320	O	|	|	|	|	0.25	362.000	0.00	0.09	0.276	O	|	|	|	|	0.21
356.917	0.00	0.11	0.319	O	|	|	|	|	0.25	362.083	0.00	0.09	0.276	O	|	|	|	|	0.21
357.000	0.00	0.11	0.318	O	|	|	|	|	0.25	362.167	0.00	0.09	0.275	O	|	|	|	|	0.21
357.083	0.00	0.11	0.317	O	|	|	|	|	0.25	362.250	0.00	0.09	0.274	O	|	|	|	|	0.21
357.167	0.00	0.11	0.317	O	|	|	|	|	0.25	362.333	0.00	0.09	0.274	O	|	|	|	|	0.21
357.250	0.00	0.11	0.316	O	|	|	|	|	0.25	362.417	0.00	0.09	0.273	O	|	|	|	|	0.21
357.333	0.00	0.11	0.315	O	|	|	|	|	0.24	362.500	0.00	0.09	0.272	O	|	|	|	|	0.21
357.417	0.00	0.11	0.314	O	|	|	|	|	0.24	362.583	0.00	0.09	0.272	O	|	|	|	|	0.21
357.500	0.00	0.11	0.314	O	|	|	|	|	0.24	362.667	0.00	0.09	0.271	O	|	|	|	|	0.21
357.583	0.00	0.11	0.313	O	|	|	|	|	0.24	362.750	0.00	0.09	0.271	O	|	|	|	|	0.21
357.667	0.00	0.11	0.312	O	|	|	|	|	0.24	362.833	0.00	0.09	0.270	O	|	|	|	|	0.21
357.750	0.00	0.11	0.312	O	|	|	|	|	0.24	362.917	0.00	0.09	0.269	O	|	|	|	|	0.21
357.833	0.00	0.11	0.311	O	|	|	|	|	0.24	363.000	0.00	0.09	0.269	O	|	|	|	|	0.21

363.083	0.00	0.09	0.268	O	|	|	|	|	0.21	368.250	0.00	0.08	0.232	O	|	|	|	|	0.18
363.167	0.00	0.09	0.267	O	|	|	|	|	0.21	368.333	0.00	0.08	0.231	O	|	|	|	|	0.18
363.250	0.00	0.09	0.267	O	|	|	|	|	0.21	368.417	0.00	0.08	0.231	O	|	|	|	|	0.18
363.333	0.00	0.09	0.266	O	|	|	|	|	0.21	368.500	0.00	0.08	0.230	O	|	|	|	|	0.18
363.417	0.00	0.09	0.265	O	|	|	|	|	0.21	368.583	0.00	0.08	0.229	O	|	|	|	|	0.18
363.500	0.00	0.09	0.265	O	|	|	|	|	0.21	368.667	0.00	0.08	0.229	O	|	|	|	|	0.18
363.583	0.00	0.09	0.264	O	|	|	|	|	0.20	368.750	0.00	0.08	0.228	O	|	|	|	|	0.18
363.667	0.00	0.09	0.264	O	|	|	|	|	0.20	368.833	0.00	0.08	0.228	O	|	|	|	|	0.18
363.750	0.00	0.09	0.263	O	|	|	|	|	0.20	368.917	0.00	0.08	0.227	O	|	|	|	|	0.18
363.833	0.00	0.09	0.262	O	|	|	|	|	0.20	369.000	0.00	0.08	0.227	O	|	|	|	|	0.18
363.917	0.00	0.09	0.262	O	|	|	|	|	0.20	369.083	0.00	0.08	0.226	O	|	|	|	|	0.18
364.000	0.00	0.09	0.261	O	|	|	|	|	0.20	369.167	0.00	0.08	0.226	O	|	|	|	|	0.18
364.083	0.00	0.09	0.261	O	|	|	|	|	0.20	369.250	0.00	0.08	0.225	O	|	|	|	|	0.17
364.167	0.00	0.09	0.260	O	|	|	|	|	0.20	369.333	0.00	0.08	0.225	O	|	|	|	|	0.17
364.250	0.00	0.09	0.259	O	|	|	|	|	0.20	369.417	0.00	0.08	0.224	O	|	|	|	|	0.17
364.333	0.00	0.09	0.259	O	|	|	|	|	0.20	369.500	0.00	0.08	0.224	O	|	|	|	|	0.17
364.417	0.00	0.09	0.258	O	|	|	|	|	0.20	369.583	0.00	0.08	0.223	O	|	|	|	|	0.17
364.500	0.00	0.09	0.257	O	|	|	|	|	0.20	369.667	0.00	0.08	0.223	O	|	|	|	|	0.17
364.583	0.00	0.09	0.257	O	|	|	|	|	0.20	369.750	0.00	0.08	0.222	O	|	|	|	|	0.17
364.667	0.00	0.09	0.256	O	|	|	|	|	0.20	369.833	0.00	0.08	0.222	O	|	|	|	|	0.17
364.750	0.00	0.09	0.256	O	|	|	|	|	0.20	369.917	0.00	0.08	0.221	O	|	|	|	|	0.17
364.833	0.00	0.09	0.255	O	|	|	|	|	0.20	370.000	0.00	0.08	0.220	O	|	|	|	|	0.17
364.917	0.00	0.09	0.254	O	|	|	|	|	0.20	370.083	0.00	0.08	0.220	O	|	|	|	|	0.17
365.000	0.00	0.09	0.254	O	|	|	|	|	0.20	370.167	0.00	0.07	0.219	O	|	|	|	|	0.17
365.083	0.00	0.09	0.253	O	|	|	|	|	0.20	370.250	0.00	0.07	0.219	O	|	|	|	|	0.17
365.167	0.00	0.09	0.253	O	|	|	|	|	0.20	370.333	0.00	0.07	0.218	O	|	|	|	|	0.17
365.250	0.00	0.09	0.252	O	|	|	|	|	0.20	370.417	0.00	0.07	0.218	O	|	|	|	|	0.17
365.333	0.00	0.09	0.252	O	|	|	|	|	0.20	370.500	0.00	0.07	0.217	O	|	|	|	|	0.17
365.417	0.00	0.09	0.251	O	|	|	|	|	0.19	370.583	0.00	0.07	0.217	O	|	|	|	|	0.17
365.500	0.00	0.09	0.250	O	|	|	|	|	0.19	370.667	0.00	0.07	0.216	O	|	|	|	|	0.17
365.583	0.00	0.09	0.250	O	|	|	|	|	0.19	370.750	0.00	0.07	0.216	O	|	|	|	|	0.17
365.667	0.00	0.09	0.249	O	|	|	|	|	0.19	370.833	0.00	0.07	0.215	O	|	|	|	|	0.17
365.750	0.00	0.08	0.249	O	|	|	|	|	0.19	370.917	0.00	0.07	0.215	O	|	|	|	|	0.17
365.833	0.00	0.08	0.248	O	|	|	|	|	0.19	371.000	0.00	0.07	0.214	O	|	|	|	|	0.17
365.917	0.00	0.08	0.247	O	|	|	|	|	0.19	371.083	0.00	0.07	0.214	O	|	|	|	|	0.17
366.000	0.00	0.08	0.247	O	|	|	|	|	0.19	371.167	0.00	0.07	0.213	O	|	|	|	|	0.17
366.083	0.00	0.08	0.246	O	|	|	|	|	0.19	371.250	0.00	0.07	0.213	O	|	|	|	|	0.17
366.167	0.00	0.08	0.246	O	|	|	|	|	0.19	371.333	0.00	0.07	0.212	O	|	|	|	|	0.16
366.250	0.00	0.08	0.245	O	|	|	|	|	0.19	371.417	0.00	0.07	0.212	O	|	|	|	|	0.16
366.333	0.00	0.08	0.245	O	|	|	|	|	0.19	371.500	0.00	0.07	0.211	O	|	|	|	|	0.16
366.417	0.00	0.08	0.244	O	|	|	|	|	0.19	371.583	0.00	0.07	0.211	O	|	|	|	|	0.16
366.500	0.00	0.08	0.243	O	|	|	|	|	0.19	371.667	0.00	0.07	0.210	O	|	|	|	|	0.16
366.583	0.00	0.08	0.243	O	|	|	|	|	0.19	371.750	0.00	0.07	0.210	O	|	|	|	|	0.16
366.667	0.00	0.08	0.242	O	|	|	|	|	0.19	371.833	0.00	0.07	0.209	O	|	|	|	|	0.16
366.750	0.00	0.08	0.242	O	|	|	|	|	0.19	371.917	0.00	0.07	0.209	O	|	|	|	|	0.16
366.833	0.00	0.08	0.241	O	|	|	|	|	0.19	372.000	0.00	0.07	0.208	O	|	|	|	|	0.16
366.917	0.00	0.08	0.241	O	|	|	|	|	0.19	372.083	0.00	0.07	0.208	O	|	|	|	|	0.16
367.000	0.00	0.08	0.240	O	|	|	|	|	0.19	372.167	0.00	0.07	0.207	O	|	|	|	|	0.16
367.083	0.00	0.08	0.239	O	|	|	|	|	0.19	372.250	0.00	0.07	0.207	O	|	|	|	|	0.16
367.167	0.00	0.08	0.239	O	|	|	|	|	0.19	372.333	0.00	0.07	0.206	O	|	|	|	|	0.16
367.250	0.00	0.08	0.238	O	|	|	|	|	0.18	372.417	0.00	0.07	0.206	O	|	|	|	|	0.16
367.333	0.00	0.08	0.238	O	|	|	|	|	0.18	372.500	0.00	0.07	0.205	O	|	|	|	|	0.16
367.417	0.00	0.08	0.237	O	|	|	|	|	0.18	372.583	0.00	0.07	0.205	O	|	|	|	|	0.16
367.500	0.00	0.08	0.237	O	|	|	|	|	0.18	372.667	0.00	0.07	0.205	O	|	|	|	|	0.16
367.583	0.00	0.08	0.236	O	|	|	|	|	0.18	372.750	0.00	0.07	0.204	O	|	|	|	|	0.16
367.667	0.00	0.08	0.235	O	|	|	|	|	0.18	372.833	0.00	0.07	0.204	O	|	|	|	|	0.16
367.750	0.00	0.08	0.235	O	|	|	|	|	0.18	372.917	0.00	0.07	0.203	O	|	|	|	|	0.16
367.833	0.00	0.08	0.234	O	|	|	|	|	0.18	373.000	0.00	0.07	0.203	O	|	|	|	|	0.16
367.917	0.00	0.08	0.234	O	|	|	|	|	0.18	373.083	0.00	0.07	0.202	O	|	|	|	|	0.16
368.000	0.00	0.08	0.233	O	|	|	|	|	0.18	373.167	0.00	0.07	0.202	O	|	|	|	|	0.16
368.083	0.00	0.08	0.233	O	|	|	|	|	0.18	373.250	0.00	0.07	0.201	O	|	|	|	|	0.16
368.167	0.00	0.08	0.232	O	|	|	|	|	0.18	373.333	0.00	0.07	0.201	O	|	|	|	|	0.16

373.417	0.00	0.07	0.200	O	|	|	|	|	0.16	378.583	0.00	0.06	0.173	O	|	|	|	|	0.13
373.500	0.00	0.07	0.200	O	|	|	|	|	0.15	378.667	0.00	0.06	0.173	O	|	|	|	|	0.13
373.583	0.00	0.07	0.199	O	|	|	|	|	0.15	378.750	0.00	0.06	0.172	O	|	|	|	|	0.13
373.667	0.00	0.07	0.199	O	|	|	|	|	0.15	378.833	0.00	0.06	0.172	O	|	|	|	|	0.13
373.750	0.00	0.07	0.198	O	|	|	|	|	0.15	378.917	0.00	0.06	0.171	O	|	|	|	|	0.13
373.833	0.00	0.07	0.198	O	|	|	|	|	0.15	379.000	0.00	0.06	0.171	O	|	|	|	|	0.13
373.917	0.00	0.07	0.197	O	|	|	|	|	0.15	379.083	0.00	0.06	0.171	O	|	|	|	|	0.13
374.000	0.00	0.07	0.197	O	|	|	|	|	0.15	379.167	0.00	0.06	0.170	O	|	|	|	|	0.13
374.083	0.00	0.07	0.196	O	|	|	|	|	0.15	379.250	0.00	0.06	0.170	O	|	|	|	|	0.13
374.167	0.00	0.07	0.196	O	|	|	|	|	0.15	379.333	0.00	0.06	0.169	O	|	|	|	|	0.13
374.250	0.00	0.07	0.196	O	|	|	|	|	0.15	379.417	0.00	0.06	0.169	O	|	|	|	|	0.13
374.333	0.00	0.07	0.195	O	|	|	|	|	0.15	379.500	0.00	0.06	0.169	O	|	|	|	|	0.13
374.417	0.00	0.07	0.195	O	|	|	|	|	0.15	379.583	0.00	0.06	0.168	O	|	|	|	|	0.13
374.500	0.00	0.07	0.194	O	|	|	|	|	0.15	379.667	0.00	0.06	0.168	O	|	|	|	|	0.13
374.583	0.00	0.07	0.194	O	|	|	|	|	0.15	379.750	0.00	0.06	0.167	O	|	|	|	|	0.13
374.667	0.00	0.07	0.193	O	|	|	|	|	0.15	379.833	0.00	0.06	0.167	O	|	|	|	|	0.13
374.750	0.00	0.07	0.193	O	|	|	|	|	0.15	379.917	0.00	0.06	0.167	O	|	|	|	|	0.13
374.833	0.00	0.07	0.192	O	|	|	|	|	0.15	380.000	0.00	0.06	0.166	O	|	|	|	|	0.13
374.917	0.00	0.07	0.192	O	|	|	|	|	0.15	380.083	0.00	0.06	0.166	O	|	|	|	|	0.13
375.000	0.00	0.07	0.191	O	|	|	|	|	0.15	380.167	0.00	0.06	0.166	O	|	|	|	|	0.13
375.083	0.00	0.07	0.191	O	|	|	|	|	0.15	380.250	0.00	0.06	0.165	O	|	|	|	|	0.13
375.167	0.00	0.07	0.191	O	|	|	|	|	0.15	380.333	0.00	0.06	0.165	O	|	|	|	|	0.13
375.250	0.00	0.06	0.190	O	|	|	|	|	0.15	380.417	0.00	0.06	0.164	O	|	|	|	|	0.13
375.333	0.00	0.06	0.190	O	|	|	|	|	0.15	380.500	0.00	0.06	0.164	O	|	|	|	|	0.13
375.417	0.00	0.06	0.189	O	|	|	|	|	0.15	380.583	0.00	0.06	0.164	O	|	|	|	|	0.13
375.500	0.00	0.06	0.189	O	|	|	|	|	0.15	380.667	0.00	0.06	0.163	O	|	|	|	|	0.13
375.583	0.00	0.06	0.188	O	|	|	|	|	0.15	380.750	0.00	0.06	0.163	O	|	|	|	|	0.13
375.667	0.00	0.06	0.188	O	|	|	|	|	0.15	380.833	0.00	0.06	0.162	O	|	|	|	|	0.13
375.750	0.00	0.06	0.187	O	|	|	|	|	0.15	380.917	0.00	0.06	0.162	O	|	|	|	|	0.13
375.833	0.00	0.06	0.187	O	|	|	|	|	0.15	381.000	0.00	0.06	0.162	O	|	|	|	|	0.13
375.917	0.00	0.06	0.187	O	|	|	|	|	0.14	381.083	0.00	0.06	0.161	O	|	|	|	|	0.13
376.000	0.00	0.06	0.186	O	|	|	|	|	0.14	381.167	0.00	0.05	0.161	O	|	|	|	|	0.12
376.083	0.00	0.06	0.186	O	|	|	|	|	0.14	381.250	0.00	0.05	0.161	O	|	|	|	|	0.12
376.167	0.00	0.06	0.185	O	|	|	|	|	0.14	381.333	0.00	0.05	0.160	O	|	|	|	|	0.12
376.250	0.00	0.06	0.185	O	|	|	|	|	0.14	381.417	0.00	0.05	0.160	O	|	|	|	|	0.12
376.333	0.00	0.06	0.184	O	|	|	|	|	0.14	381.500	0.00	0.05	0.159	O	|	|	|	|	0.12
376.417	0.00	0.06	0.184	O	|	|	|	|	0.14	381.583	0.00	0.05	0.159	O	|	|	|	|	0.12
376.500	0.00	0.06	0.184	O	|	|	|	|	0.14	381.667	0.00	0.05	0.159	O	|	|	|	|	0.12
376.583	0.00	0.06	0.183	O	|	|	|	|	0.14	381.750	0.00	0.05	0.158	O	|	|	|	|	0.12
376.667	0.00	0.06	0.183	O	|	|	|	|	0.14	381.833	0.00	0.05	0.158	O	|	|	|	|	0.12
376.750	0.00	0.06	0.182	O	|	|	|	|	0.14	381.917	0.00	0.05	0.158	O	|	|	|	|	0.12
376.833	0.00	0.06	0.182	O	|	|	|	|	0.14	382.000	0.00	0.05	0.157	O	|	|	|	|	0.12
376.917	0.00	0.06	0.181	O	|	|	|	|	0.14	382.083	0.00	0.05	0.157	O	|	|	|	|	0.12
377.000	0.00	0.06	0.181	O	|	|	|	|	0.14	382.167	0.00	0.05	0.156	O	|	|	|	|	0.12
377.083	0.00	0.06	0.181	O	|	|	|	|	0.14	382.250	0.00	0.05	0.156	O	|	|	|	|	0.12
377.167	0.00	0.06	0.180	O	|	|	|	|	0.14	382.333	0.00	0.05	0.156	O	|	|	|	|	0.12
377.250	0.00	0.06	0.180	O	|	|	|	|	0.14	382.417	0.00	0.05	0.155	O	|	|	|	|	0.12
377.333	0.00	0.06	0.179	O	|	|	|	|	0.14	382.500	0.00	0.05	0.155	O	|	|	|	|	0.12
377.417	0.00	0.06	0.179	O	|	|	|	|	0.14	382.583	0.00	0.05	0.155	O	|	|	|	|	0.12
377.500	0.00	0.06	0.178	O	|	|	|	|	0.14	382.667	0.00	0.05	0.154	O	|	|	|	|	0.12
377.583	0.00	0.06	0.178	O	|	|	|	|	0.14	382.750	0.00	0.05	0.154	O	|	|	|	|	0.12
377.667	0.00	0.06	0.178	O	|	|	|	|	0.14	382.833	0.00	0.05	0.154	O	|	|	|	|	0.12
377.750	0.00	0.06	0.177	O	|	|	|	|	0.14	382.917	0.00	0.05	0.153	O	|	|	|	|	0.12
377.833	0.00	0.06	0.177	O	|	|	|	|	0.14	383.000	0.00	0.05	0.153	O	|	|	|	|	0.12
377.917	0.00	0.06	0.176	O	|	|	|	|	0.14	383.083	0.00	0.05	0.152	O	|	|	|	|	0.12
378.000	0.00	0.06	0.176	O	|	|	|	|	0.14	383.167	0.00	0.05	0.152	O	|	|	|	|	0.12
378.083	0.00	0.06	0.176	O	|	|	|	|	0.14	383.250	0.00	0.05	0.152	O	|	|	|	|	0.12
378.167	0.00	0.06	0.175	O	|	|	|	|	0.14	383.333	0.00	0.05	0.151	O	|	|	|	|	0.12
378.250	0.00	0.06	0.175	O	|	|	|	|	0.14	383.417	0.00	0.05	0.151	O	|	|	|	|	0.12
378.333	0.00	0.06	0.174	O	|	|	|	|	0.14	383.500	0.00	0.05	0.151	O	|	|	|	|	0.12
378.417	0.00	0.06	0.174	O	|	|	|	|	0.13	383.583	0.00	0.05	0.150	O	|	|	|	|	0.12
378.500	0.00	0.06	0.173	O	|	|	|	|	0.13	383.667	0.00	0.05	0.150	O	|	|	|	|	0.12

383.750	0.00	0.05	0.150	O					0.12	388.917	0.00	0.04	0.129	O					0.10
383.833	0.00	0.05	0.149	O					0.12	389.000	0.00	0.04	0.129	O					0.10
383.917	0.00	0.05	0.149	O					0.12	389.083	0.00	0.04	0.129	O					0.10
384.000	0.00	0.05	0.149	O					0.12	389.167	0.00	0.04	0.128	O					0.10
384.083	0.00	0.05	0.148	O					0.11	389.250	0.00	0.04	0.128	O					0.10
384.167	0.00	0.05	0.148	O					0.11	389.333	0.00	0.04	0.128	O					0.10
384.250	0.00	0.05	0.148	O					0.11	389.417	0.00	0.04	0.127	O					0.10
384.333	0.00	0.05	0.147	O					0.11	389.500	0.00	0.04	0.127	O					0.10
384.417	0.00	0.05	0.147	O					0.11	389.583	0.00	0.04	0.127	O					0.10
384.500	0.00	0.05	0.146	O					0.11	389.667	0.00	0.04	0.127	O					0.10
384.583	0.00	0.05	0.146	O					0.11	389.750	0.00	0.04	0.126	O					0.10
384.667	0.00	0.05	0.146	O					0.11	389.833	0.00	0.04	0.126	O					0.10
384.750	0.00	0.05	0.145	O					0.11	389.917	0.00	0.04	0.126	O					0.10
384.833	0.00	0.05	0.145	O					0.11	390.000	0.00	0.04	0.125	O					0.10
384.917	0.00	0.05	0.145	O					0.11	390.083	0.00	0.04	0.125	O					0.10
385.000	0.00	0.05	0.144	O					0.11	390.167	0.00	0.04	0.125	O					0.10
385.083	0.00	0.05	0.144	O					0.11	390.250	0.00	0.04	0.125	O					0.10
385.167	0.00	0.05	0.144	O					0.11	390.333	0.00	0.04	0.124	O					0.10
385.250	0.00	0.05	0.143	O					0.11	390.417	0.00	0.04	0.124	O					0.10
385.333	0.00	0.05	0.143	O					0.11	390.500	0.00	0.04	0.124	O					0.10
385.417	0.00	0.05	0.143	O					0.11	390.583	0.00	0.04	0.123	O					0.10
385.500	0.00	0.05	0.142	O					0.11	390.667	0.00	0.04	0.123	O					0.10
385.583	0.00	0.05	0.142	O					0.11	390.750	0.00	0.04	0.123	O					0.10
385.667	0.00	0.05	0.142	O					0.11	390.833	0.00	0.04	0.123	O					0.10
385.750	0.00	0.05	0.141	O					0.11	390.917	0.00	0.04	0.122	O					0.09
385.833	0.00	0.05	0.141	O					0.11	391.000	0.00	0.04	0.122	O					0.09
385.917	0.00	0.05	0.141	O					0.11	391.083	0.00	0.04	0.122	O					0.09
386.000	0.00	0.05	0.140	O					0.11	391.167	0.00	0.04	0.121	O					0.09
386.083	0.00	0.05	0.140	O					0.11	391.250	0.00	0.04	0.121	O					0.09
386.167	0.00	0.05	0.140	O					0.11	391.333	0.00	0.04	0.121	O					0.09
386.250	0.00	0.05	0.139	O					0.11	391.417	0.00	0.04	0.121	O					0.09
386.333	0.00	0.05	0.139	O					0.11	391.500	0.00	0.04	0.120	O					0.09
386.417	0.00	0.05	0.139	O					0.11	391.583	0.00	0.04	0.120	O					0.09
386.500	0.00	0.05	0.138	O					0.11	391.667	0.00	0.04	0.120	O					0.09
386.583	0.00	0.05	0.138	O					0.11	391.750	0.00	0.04	0.119	O					0.09
386.667	0.00	0.05	0.138	O					0.11	391.833	0.00	0.04	0.119	O					0.09
386.750	0.00	0.05	0.137	O					0.11	391.917	0.00	0.04	0.119	O					0.09
386.833	0.00	0.05	0.137	O					0.11	392.000	0.00	0.04	0.119	O					0.09
386.917	0.00	0.05	0.137	O					0.11	392.083	0.00	0.04	0.118	O					0.09
387.000	0.00	0.05	0.136	O					0.11	392.167	0.00	0.04	0.118	O					0.09
387.083	0.00	0.05	0.136	O					0.11	392.250	0.00	0.04	0.118	O					0.09
387.167	0.00	0.05	0.136	O					0.11	392.333	0.00	0.04	0.117	O					0.09
387.250	0.00	0.05	0.136	O					0.11	392.417	0.00	0.04	0.117	O					0.09
387.333	0.00	0.05	0.135	O					0.10	392.500	0.00	0.04	0.117	O					0.09
387.417	0.00	0.05	0.135	O					0.10	392.583	0.00	0.04	0.117	O					0.09
387.500	0.00	0.05	0.135	O					0.10	392.667	0.00	0.04	0.116	O					0.09
387.583	0.00	0.05	0.134	O					0.10	392.750	0.00	0.04	0.116	O					0.09
387.667	0.00	0.05	0.134	O					0.10	392.833	0.00	0.04	0.116	O					0.09
387.750	0.00	0.05	0.134	O					0.10	392.917	0.00	0.04	0.116	O					0.09
387.833	0.00	0.05	0.133	O					0.10	393.000	0.00	0.04	0.115	O					0.09
387.917	0.00	0.05	0.133	O					0.10	393.083	0.00	0.04	0.115	O					0.09
388.000	0.00	0.05	0.133	O					0.10	393.167	0.00	0.04	0.115	O					0.09
388.083	0.00	0.05	0.132	O					0.10	393.250	0.00	0.04	0.114	O					0.09
388.167	0.00	0.05	0.132	O					0.10	393.333	0.00	0.04	0.114	O					0.09
388.250	0.00	0.04	0.132	O					0.10	393.417	0.00	0.04	0.114	O					0.09
388.333	0.00	0.04	0.131	O					0.10	393.500	0.00	0.04	0.114	O					0.09
388.417	0.00	0.04	0.131	O					0.10	393.583	0.00	0.04	0.113	O					0.09
388.500	0.00	0.04	0.131	O					0.10	393.667	0.00	0.04	0.113	O					0.09
388.583	0.00	0.04	0.131	O					0.10	393.750	0.00	0.04	0.113	O					0.09
388.667	0.00	0.04	0.130	O					0.10	393.833	0.00	0.04	0.113	O					0.09
388.750	0.00	0.04	0.130	O					0.10	393.917	0.00	0.04	0.112	O					0.09
388.833	0.00	0.04	0.130	O					0.10	394.000	0.00	0.04	0.112	O					0.09

394.083	0.00	0.04	0.112	O	|	|	|	|	0.09	399.250	0.00	0.03	0.097	O	|	|	|	|	0.07
394.167	0.00	0.04	0.112	O	|	|	|	|	0.09	399.333	0.00	0.03	0.096	O	|	|	|	|	0.07
394.250	0.00	0.04	0.111	O	|	|	|	|	0.09	399.417	0.00	0.03	0.096	O	|	|	|	|	0.07
394.333	0.00	0.04	0.111	O	|	|	|	|	0.09	399.500	0.00	0.03	0.096	O	|	|	|	|	0.07
394.417	0.00	0.04	0.111	O	|	|	|	|	0.09	399.583	0.00	0.03	0.096	O	|	|	|	|	0.07
394.500	0.00	0.04	0.110	O	|	|	|	|	0.09	399.667	0.00	0.03	0.095	O	|	|	|	|	0.07
394.583	0.00	0.04	0.110	O	|	|	|	|	0.09	399.750	0.00	0.03	0.095	O	|	|	|	|	0.07
394.667	0.00	0.04	0.110	O	|	|	|	|	0.09	399.833	0.00	0.03	0.095	O	|	|	|	|	0.07
394.750	0.00	0.04	0.110	O	|	|	|	|	0.09	399.917	0.00	0.03	0.095	O	|	|	|	|	0.07
394.833	0.00	0.04	0.109	O	|	|	|	|	0.08	400.000	0.00	0.03	0.095	O	|	|	|	|	0.07
394.917	0.00	0.04	0.109	O	|	|	|	|	0.08	400.083	0.00	0.03	0.094	O	|	|	|	|	0.07
395.000	0.00	0.04	0.109	O	|	|	|	|	0.08	400.167	0.00	0.03	0.094	O	|	|	|	|	0.07
395.083	0.00	0.04	0.109	O	|	|	|	|	0.08	400.250	0.00	0.03	0.094	O	|	|	|	|	0.07
395.167	0.00	0.04	0.108	O	|	|	|	|	0.08	400.333	0.00	0.03	0.094	O	|	|	|	|	0.07
395.250	0.00	0.04	0.108	O	|	|	|	|	0.08	400.417	0.00	0.03	0.093	O	|	|	|	|	0.07
395.333	0.00	0.04	0.108	O	|	|	|	|	0.08	400.500	0.00	0.03	0.093	O	|	|	|	|	0.07
395.417	0.00	0.04	0.108	O	|	|	|	|	0.08	400.583	0.00	0.03	0.093	O	|	|	|	|	0.07
395.500	0.00	0.04	0.107	O	|	|	|	|	0.08	400.667	0.00	0.03	0.093	O	|	|	|	|	0.07
395.583	0.00	0.04	0.107	O	|	|	|	|	0.08	400.750	0.00	0.03	0.093	O	|	|	|	|	0.07
395.667	0.00	0.04	0.107	O	|	|	|	|	0.08	400.833	0.00	0.03	0.092	O	|	|	|	|	0.07
395.750	0.00	0.04	0.107	O	|	|	|	|	0.08	400.917	0.00	0.03	0.092	O	|	|	|	|	0.07
395.833	0.00	0.04	0.106	O	|	|	|	|	0.08	401.000	0.00	0.03	0.092	O	|	|	|	|	0.07
395.917	0.00	0.04	0.106	O	|	|	|	|	0.08	401.083	0.00	0.03	0.092	O	|	|	|	|	0.07
396.000	0.00	0.04	0.106	O	|	|	|	|	0.08	401.167	0.00	0.03	0.092	O	|	|	|	|	0.07
396.083	0.00	0.04	0.106	O	|	|	|	|	0.08	401.250	0.00	0.03	0.091	O	|	|	|	|	0.07
396.167	0.00	0.04	0.105	O	|	|	|	|	0.08	401.333	0.00	0.03	0.091	O	|	|	|	|	0.07
396.250	0.00	0.04	0.105	O	|	|	|	|	0.08	401.417	0.00	0.03	0.091	O	|	|	|	|	0.07
396.333	0.00	0.04	0.105	O	|	|	|	|	0.08	401.500	0.00	0.03	0.091	O	|	|	|	|	0.07
396.417	0.00	0.04	0.105	O	|	|	|	|	0.08	401.583	0.00	0.03	0.090	O	|	|	|	|	0.07
396.500	0.00	0.04	0.104	O	|	|	|	|	0.08	401.667	0.00	0.03	0.090	O	|	|	|	|	0.07
396.583	0.00	0.04	0.104	O	|	|	|	|	0.08	401.750	0.00	0.03	0.090	O	|	|	|	|	0.07
396.667	0.00	0.04	0.104	O	|	|	|	|	0.08	401.833	0.00	0.03	0.090	O	|	|	|	|	0.07
396.750	0.00	0.04	0.104	O	|	|	|	|	0.08	401.917	0.00	0.03	0.090	O	|	|	|	|	0.07
396.833	0.00	0.04	0.103	O	|	|	|	|	0.08	402.000	0.00	0.03	0.089	O	|	|	|	|	0.07
396.917	0.00	0.04	0.103	O	|	|	|	|	0.08	402.083	0.00	0.03	0.089	O	|	|	|	|	0.07
397.000	0.00	0.04	0.103	O	|	|	|	|	0.08	402.167	0.00	0.03	0.089	O	|	|	|	|	0.07
397.083	0.00	0.04	0.103	O	|	|	|	|	0.08	402.250	0.00	0.03	0.089	O	|	|	|	|	0.07
397.167	0.00	0.03	0.102	O	|	|	|	|	0.08	402.333	0.00	0.03	0.089	O	|	|	|	|	0.07
397.250	0.00	0.03	0.102	O	|	|	|	|	0.08	402.417	0.00	0.03	0.088	O	|	|	|	|	0.07
397.333	0.00	0.03	0.102	O	|	|	|	|	0.08	402.500	0.00	0.03	0.088	O	|	|	|	|	0.07
397.417	0.00	0.03	0.102	O	|	|	|	|	0.08	402.583	0.00	0.03	0.088	O	|	|	|	|	0.07
397.500	0.00	0.03	0.101	O	|	|	|	|	0.08	402.667	0.00	0.03	0.088	O	|	|	|	|	0.07
397.583	0.00	0.03	0.101	O	|	|	|	|	0.08	402.750	0.00	0.03	0.088	O	|	|	|	|	0.07
397.667	0.00	0.03	0.101	O	|	|	|	|	0.08	402.833	0.00	0.03	0.087	O	|	|	|	|	0.07
397.750	0.00	0.03	0.101	O	|	|	|	|	0.08	402.917	0.00	0.03	0.087	O	|	|	|	|	0.07
397.833	0.00	0.03	0.101	O	|	|	|	|	0.08	403.000	0.00	0.03	0.087	O	|	|	|	|	0.07
397.917	0.00	0.03	0.100	O	|	|	|	|	0.08	403.083	0.00	0.03	0.087	O	|	|	|	|	0.07
398.000	0.00	0.03	0.100	O	|	|	|	|	0.08	403.167	0.00	0.03	0.087	O	|	|	|	|	0.07
398.083	0.00	0.03	0.100	O	|	|	|	|	0.08	403.250	0.00	0.03	0.086	O	|	|	|	|	0.07
398.167	0.00	0.03	0.100	O	|	|	|	|	0.08	403.333	0.00	0.03	0.086	O	|	|	|	|	0.07
398.250	0.00	0.03	0.099	O	|	|	|	|	0.08	403.417	0.00	0.03	0.086	O	|	|	|	|	0.07
398.333	0.00	0.03	0.099	O	|	|	|	|	0.08	403.500	0.00	0.03	0.086	O	|	|	|	|	0.07
398.417	0.00	0.03	0.099	O	|	|	|	|	0.08	403.583	0.00	0.03	0.085	O	|	|	|	|	0.07
398.500	0.00	0.03	0.099	O	|	|	|	|	0.08	403.667	0.00	0.03	0.085	O	|	|	|	|	0.07
398.583	0.00	0.03	0.098	O	|	|	|	|	0.08	403.750	0.00	0.03	0.085	O	|	|	|	|	0.07
398.667	0.00	0.03	0.098	O	|	|	|	|	0.08	403.833	0.00	0.03	0.085	O	|	|	|	|	0.07
398.750	0.00	0.03	0.098	O	|	|	|	|	0.08	403.917	0.00	0.03	0.085	O	|	|	|	|	0.07
398.833	0.00	0.03	0.098	O	|	|	|	|	0.08	404.000	0.00	0.03	0.084	O	|	|	|	|	0.07
398.917	0.00	0.03	0.098	O	|	|	|	|	0.08	404.083	0.00	0.03	0.084	O	|	|	|	|	0.07
399.000	0.00	0.03	0.097	O	|	|	|	|	0.08	404.167	0.00	0.03	0.084	O	|	|	|	|	0.07
399.083	0.00	0.03	0.097	O	|	|	|	|	0.08	404.250	0.00	0.03	0.084	O	|	|	|	|	0.07
399.167	0.00	0.03	0.097	O	|	|	|	|	0.08	404.333	0.00	0.03	0.084	O	|	|	|	|	0.06

404.417	0.00	0.03	0.084	O	|	|	|	|	0.06	409.583	0.00	0.02	0.072	O	|	|	|	|	0.06
404.500	0.00	0.03	0.083	O	|	|	|	|	0.06	409.667	0.00	0.02	0.072	O	|	|	|	|	0.06
404.583	0.00	0.03	0.083	O	|	|	|	|	0.06	409.750	0.00	0.02	0.072	O	|	|	|	|	0.06
404.667	0.00	0.03	0.083	O	|	|	|	|	0.06	409.833	0.00	0.02	0.072	O	|	|	|	|	0.06
404.750	0.00	0.03	0.083	O	|	|	|	|	0.06	409.917	0.00	0.02	0.072	O	|	|	|	|	0.06
404.833	0.00	0.03	0.083	O	|	|	|	|	0.06	410.000	0.00	0.02	0.071	O	|	|	|	|	0.06
404.917	0.00	0.03	0.082	O	|	|	|	|	0.06	410.083	0.00	0.02	0.071	O	|	|	|	|	0.06
405.000	0.00	0.03	0.082	O	|	|	|	|	0.06	410.167	0.00	0.02	0.071	O	|	|	|	|	0.06
405.083	0.00	0.03	0.082	O	|	|	|	|	0.06	410.250	0.00	0.02	0.071	O	|	|	|	|	0.05
405.167	0.00	0.03	0.082	O	|	|	|	|	0.06	410.333	0.00	0.02	0.071	O	|	|	|	|	0.05
405.250	0.00	0.03	0.082	O	|	|	|	|	0.06	410.417	0.00	0.02	0.071	O	|	|	|	|	0.05
405.333	0.00	0.03	0.081	O	|	|	|	|	0.06	410.500	0.00	0.02	0.070	O	|	|	|	|	0.05
405.417	0.00	0.03	0.081	O	|	|	|	|	0.06	410.583	0.00	0.02	0.070	O	|	|	|	|	0.05
405.500	0.00	0.03	0.081	O	|	|	|	|	0.06	410.667	0.00	0.02	0.070	O	|	|	|	|	0.05
405.583	0.00	0.03	0.081	O	|	|	|	|	0.06	410.750	0.00	0.02	0.070	O	|	|	|	|	0.05
405.667	0.00	0.03	0.081	O	|	|	|	|	0.06	410.833	0.00	0.02	0.070	O	|	|	|	|	0.05
405.750	0.00	0.03	0.080	O	|	|	|	|	0.06	410.917	0.00	0.02	0.070	O	|	|	|	|	0.05
405.833	0.00	0.03	0.080	O	|	|	|	|	0.06	411.000	0.00	0.02	0.069	O	|	|	|	|	0.05
405.917	0.00	0.03	0.080	O	|	|	|	|	0.06	411.083	0.00	0.02	0.069	O	|	|	|	|	0.05
406.000	0.00	0.03	0.080	O	|	|	|	|	0.06	411.167	0.00	0.02	0.069	O	|	|	|	|	0.05
406.083	0.00	0.03	0.080	O	|	|	|	|	0.06	411.250	0.00	0.02	0.069	O	|	|	|	|	0.05
406.167	0.00	0.03	0.079	O	|	|	|	|	0.06	411.333	0.00	0.02	0.069	O	|	|	|	|	0.05
406.250	0.00	0.03	0.079	O	|	|	|	|	0.06	411.417	0.00	0.02	0.069	O	|	|	|	|	0.05
406.333	0.00	0.03	0.079	O	|	|	|	|	0.06	411.500	0.00	0.02	0.068	O	|	|	|	|	0.05
406.417	0.00	0.03	0.079	O	|	|	|	|	0.06	411.583	0.00	0.02	0.068	O	|	|	|	|	0.05
406.500	0.00	0.03	0.079	O	|	|	|	|	0.06	411.667	0.00	0.02	0.068	O	|	|	|	|	0.05
406.583	0.00	0.03	0.079	O	|	|	|	|	0.06	411.750	0.00	0.02	0.068	O	|	|	|	|	0.05
406.667	0.00	0.03	0.078	O	|	|	|	|	0.06	411.833	0.00	0.02	0.068	O	|	|	|	|	0.05
406.750	0.00	0.03	0.078	O	|	|	|	|	0.06	411.917	0.00	0.02	0.068	O	|	|	|	|	0.05
406.833	0.00	0.03	0.078	O	|	|	|	|	0.06	412.000	0.00	0.02	0.067	O	|	|	|	|	0.05
406.917	0.00	0.03	0.078	O	|	|	|	|	0.06	412.083	0.00	0.02	0.067	O	|	|	|	|	0.05
407.000	0.00	0.03	0.078	O	|	|	|	|	0.06	412.167	0.00	0.02	0.067	O	|	|	|	|	0.05
407.083	0.00	0.03	0.077	O	|	|	|	|	0.06	412.250	0.00	0.02	0.067	O	|	|	|	|	0.05
407.167	0.00	0.03	0.077	O	|	|	|	|	0.06	412.333	0.00	0.02	0.067	O	|	|	|	|	0.05
407.250	0.00	0.03	0.077	O	|	|	|	|	0.06	412.417	0.00	0.02	0.067	O	|	|	|	|	0.05
407.333	0.00	0.03	0.077	O	|	|	|	|	0.06	412.500	0.00	0.02	0.066	O	|	|	|	|	0.05
407.417	0.00	0.03	0.077	O	|	|	|	|	0.06	412.583	0.00	0.02	0.066	O	|	|	|	|	0.05
407.500	0.00	0.03	0.077	O	|	|	|	|	0.06	412.667	0.00	0.02	0.066	O	|	|	|	|	0.05
407.583	0.00	0.03	0.076	O	|	|	|	|	0.06	412.750	0.00	0.02	0.066	O	|	|	|	|	0.05
407.667	0.00	0.03	0.076	O	|	|	|	|	0.06	412.833	0.00	0.02	0.066	O	|	|	|	|	0.05
407.750	0.00	0.03	0.076	O	|	|	|	|	0.06	412.917	0.00	0.02	0.066	O	|	|	|	|	0.05
407.833	0.00	0.03	0.076	O	|	|	|	|	0.06	413.000	0.00	0.02	0.066	O	|	|	|	|	0.05
407.917	0.00	0.03	0.076	O	|	|	|	|	0.06	413.083	0.00	0.02	0.065	O	|	|	|	|	0.05
408.000	0.00	0.03	0.075	O	|	|	|	|	0.06	413.167	0.00	0.02	0.065	O	|	|	|	|	0.05
408.083	0.00	0.03	0.075	O	|	|	|	|	0.06	413.250	0.00	0.02	0.065	O	|	|	|	|	0.05
408.167	0.00	0.03	0.075	O	|	|	|	|	0.06	413.333	0.00	0.02	0.065	O	|	|	|	|	0.05
408.250	0.00	0.03	0.075	O	|	|	|	|	0.06	413.417	0.00	0.02	0.065	O	|	|	|	|	0.05
408.333	0.00	0.03	0.075	O	|	|	|	|	0.06	413.500	0.00	0.02	0.065	O	|	|	|	|	0.05
408.417	0.00	0.03	0.075	O	|	|	|	|	0.06	413.583	0.00	0.02	0.064	O	|	|	|	|	0.05
408.500	0.00	0.03	0.074	O	|	|	|	|	0.06	413.667	0.00	0.02	0.064	O	|	|	|	|	0.05
408.583	0.00	0.03	0.074	O	|	|	|	|	0.06	413.750	0.00	0.02	0.064	O	|	|	|	|	0.05
408.667	0.00	0.03	0.074	O	|	|	|	|	0.06	413.833	0.00	0.02	0.064	O	|	|	|	|	0.05
408.750	0.00	0.03	0.074	O	|	|	|	|	0.06	413.917	0.00	0.02	0.064	O	|	|	|	|	0.05
408.833	0.00	0.03	0.074	O	|	|	|	|	0.06	414.000	0.00	0.02	0.064	O	|	|	|	|	0.05
408.917	0.00	0.03	0.074	O	|	|	|	|	0.06	414.083	0.00	0.02	0.064	O	|	|	|	|	0.05
409.000	0.00	0.03	0.073	O	|	|	|	|	0.06	414.167	0.00	0.02	0.063	O	|	|	|	|	0.05
409.083	0.00	0.02	0.073	O	|	|	|	|	0.06	414.250	0.00	0.02	0.063	O	|	|	|	|	0.05
409.167	0.00	0.02	0.073	O	|	|	|	|	0.06	414.333	0.00	0.02	0.063	O	|	|	|	|	0.05
409.250	0.00	0.02	0.073	O	|	|	|	|	0.06	414.417	0.00	0.02	0.063	O	|	|	|	|	0.05
409.333	0.00	0.02	0.073	O	|	|	|	|	0.06	414.500	0.00	0.02	0.063	O	|	|	|	|	0.05
409.417	0.00	0.02	0.073	O	|	|	|	|	0.06	414.583	0.00	0.02	0.063	O	|	|	|	|	0.05
409.500	0.00	0.02	0.072	O	|	|	|	|	0.06	414.667	0.00	0.02	0.063	O	|	|	|	|	0.05

414.750	0.00	0.02	0.062	O	|	|	|	|	0.05
414.833	0.00	0.02	0.062	O	|	|	|	|	0.05
414.917	0.00	0.02	0.062	O	|	|	|	|	0.05
415.000	0.00	0.02	0.062	O	|	|	|	|	0.05
415.083	0.00	0.02	0.062	O	|	|	|	|	0.05
415.167	0.00	0.02	0.062	O	|	|	|	|	0.05
415.250	0.00	0.02	0.062	O	|	|	|	|	0.05
415.333	0.00	0.02	0.061	O	|	|	|	|	0.05
415.417	0.00	0.02	0.061	O	|	|	|	|	0.05
415.500	0.00	0.02	0.061	O	|	|	|	|	0.05
415.583	0.00	0.02	0.061	O	|	|	|	|	0.05
415.667	0.00	0.02	0.061	O	|	|	|	|	0.05
415.750	0.00	0.02	0.061	O	|	|	|	|	0.05
415.833	0.00	0.02	0.061	O	|	|	|	|	0.05
415.917	0.00	0.02	0.060	O	|	|	|	|	0.05
416.000	0.00	0.02	0.060	O	|	|	|	|	0.05
416.083	0.00	0.02	0.060	O	|	|	|	|	0.05
416.167	0.00	0.02	0.060	O	|	|	|	|	0.05
416.250	0.00	0.02	0.060	O	|	|	|	|	0.05
416.333	0.00	0.02	0.060	O	|	|	|	|	0.05
416.417	0.00	0.02	0.060	O	|	|	|	|	0.05
416.500	0.00	0.02	0.059	O	|	|	|	|	0.05
416.583	0.00	0.02	0.059	O	|	|	|	|	0.05
416.667	0.00	0.02	0.059	O	|	|	|	|	0.05

Remaining water in basin = 0.06 (Ac.Ft)

**********HYDROGRAPH DATA**********
Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 193.078 (CFS)
Total volume = 54.084 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	40.267
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	8.285

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Process from Point/Station 4.820 to Point/Station 4.800
**** STREAM ROUTING SCS CONVEX METHOD ****
HYDROGRAPH STREAM ROUTING DATA:
Length of stream = 263.00 (Ft.)
Elevation difference = 8.00 (Ft.)
Slope of channel = 0.030418 (Vert/Horiz)
Channel type - Pipe

Pipe length = 263.00(Ft.) Elevation difference = 8.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow = 22.074(CFS)
Given pipe size = 42.00(In.)
Calculated individual pipe flow = 22.074(CFS)
Normal flow depth in pipe = 10.05(In.)
Flow top width inside pipe = 35.84(In.)
Critical Depth = 1.44(Ft.)
Pipe flow velocity = 12.46(Ft/s)
Travel time through pipe = 0.35 min.

Pipe length = 263.00(Ft.) Elevation difference = 8.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow = 193.078(CFS)
Given pipe size = 42.00(In.)
NOTE: Normal flow is pressure flow.
The total friction loss through the pipe is 8.000(Ft.)
Pipe friction loss = 4.063(Ft.)
Minor friction loss = 3.934(Ft.) K-factor = 1.50
Maximum capacity of pipe(s) = 125.04(CFS)
Pipe flow velocity = 13.00(Ft/s)
Travel time through pipe = 0.34 min.

********** SCS CONVEX CHANNEL ROUTING **********
Convex method of stream routing data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
where c* = 1 - (1-c)^e and dt = c(length)/velocity
c(v/v+1.7) = 0.8843 Travel time = 0.34 (min.)
dt*(unit time interval) = 5.00(min.), e= 11.5095
dt(routing time-step) = 0.30 (min.), c* = 1.0000

Output hydrograph delayed by 0 unit time increments

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	48.3	96.5	144.8	193.1
0+ 5	0.0001	0.00	O	|	|	|	|
0+10	0.0148	0.02	O	|	|	|	|
0+15	0.0568	0.06	O	|	|	|	|
0+20	0.1174	0.12	O	|	|	|	|
0+25	0.1867	0.19	O	|	|	|	|
0+30	0.2608	0.27	O	|	|	|	|
0+35	0.3422	0.35	O	|	|	|	|
0+40	0.4319	0.44	O	|	|	|	|
0+45	0.4778	0.48	O	|	|	|	|
0+50	0.5202	0.52	O	|	|	|	|
0+55	0.5629	0.57	O	|	|	|	|
1+ 0	0.6061	0.61	O	|	|	|	|
1+ 5	0.6504	0.65	O	|	|	|	|
1+10	0.6839	0.69	O	|	|	|	|
1+15	0.7177	0.72	O	|	|	|	|
1+20	0.7521	0.75	O	|	|	|	|
1+25	0.7866	0.79	O	|	|	|	|
1+30	0.8152	0.82	O	|	|	|	|
1+35	0.8404	0.84	O	|	|	|	|
1+40	0.8655	0.87	O	|	|	|	|
1+45	0.8905	0.89	O	|	|	|	|
1+50	0.9156	0.92	O	|	|	|	|

1+55	0.9406	0.94	O					
2+ 0	0.9658	0.97	O					
2+ 5	0.9921	0.99	O					
2+10	1.0190	1.02	O					
2+15	1.0451	1.05	O					
2+20	1.0690	1.07	O					
2+25	1.0932	1.09	O					
2+30	1.1177	1.12	O					
2+35	1.1423	1.14	O					
2+40	1.1629	1.16	O					
2+45	1.1821	1.18	O					
2+50	1.2021	1.20	O					
2+55	1.2231	1.22	O					
3+ 0	1.2444	1.25	O					
3+ 5	1.2650	1.27	O					
3+10	1.2859	1.29	O					
3+15	1.3075	1.31	O					
3+20	1.3300	1.33	O					
3+25	1.3499	1.35	O					
3+30	1.3705	1.37	O					
3+35	1.3929	1.39	O					
3+40	1.4168	1.42	O					
3+45	1.4415	1.44	O					
3+50	1.4675	1.47	O					
3+55	1.4937	1.50	O					
4+ 0	1.5175	1.52	O					
4+ 5	1.5420	1.54	O					
4+10	1.5672	1.57	O					
4+15	1.5930	1.59	O					
4+20	1.6204	1.62	O					
4+25	1.6489	1.65	O					
4+30	1.6787	1.68	O					
4+35	1.7080	1.71	O					
4+40	1.7353	1.74	O					
4+45	1.7633	1.76	O					
4+50	1.7914	1.79	O					
4+55	2.6661	2.72	O					
5+ 0	14.0216	14.74	OI					
5+ 5	25.9269	26.64	O					
5+10	35.3814	35.94	O					
5+15	45.1128	45.69	O					
5+20	53.2707	53.75	O					
5+25	61.1619	61.63	O					
5+30	99.1143	101.49	OI					
5+35	125.0429	146.64	O	I				
5+40	125.0429	186.86	O	I				
5+45	125.0429	193.08	O	I				
5+50	125.0429	179.72	O	I				
5+55	125.0429	159.08	O	I				
6+ 0	125.0429	136.83	O	I				
6+ 5	125.0429	120.91	O					
6+10	125.0429	107.44	I O					
6+15	125.0429	94.54	I O					
6+20	125.0429	82.81	I O					
6+25	125.0429	72.50	I O					
6+30	125.0429	63.47	I O					
6+35	125.0429	60.45	I O					
6+40	125.0429	58.82	I O					
6+45	125.0429	57.24	I O					
6+50	125.0429	55.71	I O					
6+55	125.0429	54.21	I O					
7+ 0	125.0429	52.75	I O					
7+ 5	125.0429	51.34	I O					
7+10	125.0429	49.96	I O					
7+15	125.0429	48.61	I O					
7+20	125.0429	46.82	I O					
7+25	125.0429	44.92	I O					
7+30	125.0429	43.10	I O					
7+35	125.0429	41.35	I O					
7+40	125.0429	39.67	I O					
7+45	125.0429	38.06	I O					
7+50	125.0429	36.52	I O					
7+55	125.0429	35.04	I O					
8+ 0	125.0429	33.62	I O					
8+ 5	125.0429	32.25	I O					
8+10	125.0429	30.94	I O					
8+15	125.0429	29.69	I O					
8+20	125.0429	28.42	I O					
8+25	125.0429	26.77	I O					
8+30	125.0429	25.21	I O					
8+35	125.0429	23.74	I O					
8+40	125.0429	22.36	I O					
8+45	125.0429	21.05	I O					
8+50	125.0429	19.83	I O					
8+55	125.0429	18.67	I O					
9+ 0	125.0429	17.58	I O					
9+ 5	125.0429	16.56	I O					
9+10	125.0429	15.59	I O					
9+15	125.0429	14.68	I O					
9+20	125.0429	13.83	I O					
9+25	125.0429	13.02	I O					
9+30	125.0429	12.26	I O					
9+35	125.0429	11.55	I O					
9+40	125.0429	10.88	I O					
9+45	125.0429	10.24	I O					
9+50	125.0429	9.65	I O					
9+55	125.0429	9.08	I O					
10+ 0	125.0429	8.55	I O					
10+ 5	125.0429	8.06	I O					
10+10	125.0429	7.59	I O					
10+15	125.0429	7.14	I O					
10+20	125.0429	6.73	I O					
10+25	78.6542	6.34	I O					
10+30	0.0000	5.97	OI					

Note: For pressure channel flow, the basin storage requirements
at the headworks of this channel = 1.74 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 126
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 125.043 (CFS)
Total volume = 53.223 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	40.267
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	8.285

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Process from Point/Station 4.800 to Point/Station 4.800
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 5 the total
volume of 8.29 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.
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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	41.3	82.7	124.0	165.3
0+ 5	2.5438	2.54	Q				
0+10	4.3453	4.36	Q				
0+15	5.0223	5.08	Q				
0+20	5.4782	5.60	Q				
0+25	5.7583	5.95	Q				
0+30	5.9714	6.23	Q				
0+35	6.1918	6.53	Q				
0+40	6.4126	6.84	Q				
0+45	6.5528	7.03	Q				
0+50	6.6490	7.17	Q				
0+55	6.7251	7.29	Q				
1+ 0	6.8030	7.41	Q				
1+ 5	6.9331	7.58	Q				
1+10	7.0945	7.78	Q				
1+15	7.1965	7.91	Q				
1+20	7.2663	8.02	Q				
1+25	7.3212	8.11	Q				
1+30	7.3659	8.18	Q				
1+35	7.4028	8.24	Q				
1+40	7.4346	8.30	qQ				
1+45	7.4636	8.35	qQ				
1+50	7.4910	8.41	qQ				
1+55	7.5173	8.46	qQ				
2+ 0	7.5652	8.53	qQ				
2+ 5	7.6765	8.67	qQ				
2+10	7.7818	8.80	qQ				
2+15	7.8547	8.90	qQ				
2+20	7.9997	9.07	qQ				
2+25	8.1052	9.20	qQ				
2+30	8.1749	9.29	qQ				
2+35	8.2231	9.37	qQ				
2+40	8.2577	9.42	qQ				
2+45	8.3079	9.49	Q				
2+50	8.4451	9.65	Q				
2+55	8.6432	9.87	Q				
3+ 0	8.7779	10.02	Q				
3+ 5	8.8650	10.13	Q				
3+10	8.9978	10.28	Q				
3+15	9.4282	10.74	Q				
3+20	10.0544	11.38	Q				
3+25	10.4789	11.83	Q				
3+30	11.1391	12.51	qQ				
3+35	12.3227	13.72	qQ				
3+40	13.7110	15.13	Q				
3+45	14.9258	16.37	Q				
3+50	15.9492	17.42	qQ				
3+55	16.9842	18.48	Q				
4+ 0	17.9224	19.44	Q				
4+ 5	18.8971	20.44	Q				
4+10	19.8654	21.43	qQ				
4+15	21.2043	22.80	Q				
4+20	22.7582	24.38	Q				
4+25	24.4180	26.07	qQ				
4+30	26.0677	27.75	Q				
4+35	27.4408	29.15	qQ				
4+40	28.6320	30.37	qQ				
4+45	30.1049	31.87	Q				
4+50	31.6613	33.45	qQ				
4+55	32.9764	35.64	qQ				
5+ 0	34.1324	48.15	q	Q			
5+ 5	36.4490	62.38	q		Q		
5+10	40.2275	75.61	q			Q	
5+15	40.2667	85.38	q				Q
5+20	40.2667	93.54	q				Q
5+25	40.2667	101.43	q				Q
5+30	40.2667	139.38	q				Q
5+35	40.2667	165.31	q				Q
5+40	40.2667	165.31	q				Q
5+45	40.2667	165.31	q				Q
5+50	40.2667	165.31	q				Q
5+55	40.2667	165.31	q				Q
6+ 0	40.2667	165.31	q				Q
6+ 5	0.0000	125.04	q			Q	
6+10	0.0000	125.04	q			Q	
6+15	0.0000	125.04	q			Q	
6+20	0.0000	125.04	q			Q	
6+25	0.0000	125.04	q			Q	
6+30	0.0000	125.04	q			Q	
6+35	0.0000	125.04	q			Q	
6+40	0.0000	125.04	q			Q	
6+45	0.0000	125.04	q			Q	
6+50	0.0000	125.04	q			Q	
6+55	0.0000	125.04	q			Q	
7+ 0	0.0000	125.04	q			Q	
7+ 5	0.0000	125.04	q			Q	
7+10	0.0000	125.04	q			Q	
7+15	0.0000	125.04	q			Q	
7+20	0.0000	125.04	q			Q	
7+25	0.0000	125.04	q			Q	
7+30	0.0000	125.04	q			Q	
7+35	0.0000	125.04	q			Q	
7+40	0.0000	125.04	q			Q	
7+45	0.0000	125.04	q			Q	
7+50	0.0000	125.04	q			Q	
7+55	0.0000	125.04	q			Q	
8+ 0	0.0000	125.04	q			Q	
8+ 5	0.0000	125.04	q			Q	
8+10	0.0000	125.04	q			Q	
8+15	0.0000	125.04	q			Q	
8+20	0.0000	125.04	q			Q	
8+25	0.0000	125.04	q			Q	
8+30	0.0000	125.04	q			Q	
8+35	0.0000	125.04	q			Q	
8+40	0.0000	125.04	q			Q	
8+45	0.0000	125.04	q			Q	
8+50	0.0000	125.04	q			Q	
8+55	0.0000	125.04	q			Q	

```
  9+ 0       0.0000    125.04  q         |         |         Q         |
  9+ 5       0.0000    125.04  q         |         |         Q         |
  9+10       0.0000    125.04  q         |         |         Q         |
  9+15       0.0000    125.04  q         |         |         Q         |
  9+20       0.0000    125.04  q         |         |         Q         |
  9+25       0.0000    125.04  q         |         |         Q         |
  9+30       0.0000    125.04  q         |         |         Q         |
  9+35       0.0000    125.04  q         |         |         Q         |
  9+40       0.0000    125.04  q         |         |         Q         |
  9+45       0.0000    125.04  q         |         |         Q         |
  9+50       0.0000    125.04  q         |         |         Q         |
  9+55       0.0000    125.04  q         |         |         Q         |
 10+ 0       0.0000    125.04  q         |         |         Q         |
 10+ 5       0.0000    125.04  q         |         |         Q         |
 10+10       0.0000    125.04  q         |         |         Q         |
 10+15       0.0000    125.04  q         |         |         Q         |
 10+20       0.0000    125.04  q         |         |         Q         |
 10+25       0.0000     78.65  q         |        Q|         |         |
 10+30       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------

        ****************************HYDROGRAPH DATA****************************
                      Number of intervals =   126
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =      165.310 (CFS)
                      Total volume =      61.508 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.800 to Point/Station        4.900
        **** STREAM ROUTING SCS CONVEX METHOD ****
        _____________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =    116.00 (Ft.)
        Elevation difference =    5.00 (Ft.)
        Slope of channel =  0.043103 (Vert/Horiz)
        Channel type - Pipe


        Pipe length  =   116.00(Ft.)   Elevation difference =   5.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using mean flow rate of hydrograph
        Required pipe flow  =    71.390(CFS)
        Nearest computed pipe diameter  =     30.00(In.)
        Calculated individual pipe flow  =    71.390(CFS)
        Normal flow depth in pipe =   21.02(In.)
        Flow top width inside pipe =   27.47(In.)
        Critical depth could not be calculated.
        Pipe flow velocity =     19.43(Ft/s)
        Travel time through pipe =    0.10 min.


        Pipe length  =   116.00(Ft.)   Elevation difference =   5.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using maximum flow rate of hydrograph
        Required pipe flow  =   165.310(CFS)
        Nearest computed pipe diameter  =     39.00(In.)
        Calculated individual pipe flow  =   165.310(CFS)
        Normal flow depth in pipe =   30.80(In.)
        Flow top width inside pipe =   31.79(In.)
        Critical depth could not be calculated.
        Pipe flow velocity =     23.54(Ft/s)
        Travel time through pipe =    0.08 min.


        ********************** SCS CONVEX CHANNEL ROUTING *********************
        Convex method of stream routing  data items:
        Using equation: Outflow =
        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.9326   Travel time =   0.08 (min.)
                dt*(unit time interval) =   5.00(min.),  e=  43.8477
                dt(routing time-step) =   0.08 (min.),   c* =   1.0000

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       41.3      82.7      124.0     165.3
---------------------------------------------------------------------------
  0+ 5       2.5049      2.54  O         |         |         |         |
  0+10       4.3323      4.36  |O        |         |         |         |
  0+15       5.0680      5.08  |O        |         |         |         |
  0+20       5.5877      5.60  |O        |         |         |         |
  0+25       5.9397      5.95  |O        |         |         |         |
  0+30       6.2278      6.23  |O        |         |         |         |
  0+35       6.5294      6.53  |O        |         |         |         |
  0+40       6.8397      6.84  |O        |         |         |         |
  0+45       7.0278      7.03  |O        |         |         |         |
  0+50       7.1672      7.17  |O        |         |         |         |
  0+55       7.2862      7.29  |O        |         |         |         |
  1+ 0       7.4072      7.41  |O        |         |         |         |
  1+ 5       7.5809      7.58  |O        |         |         |         |
  1+10       7.7754      7.78  |O        |         |         |         |
  1+15       7.9122      7.91  |O        |         |         |         |
  1+20       8.0168      8.02  |O        |         |         |         |
  1+25       8.1065      8.11  |O        |         |         |         |
  1+30       8.1799      8.18  |O        |         |         |         |
  1+35       8.2423      8.24  |O        |         |         |         |
  1+40       8.2992      8.30  | O       |         |         |         |
  1+45       8.3533      8.35  | O       |         |         |         |
  1+50       8.4058      8.41  | O       |         |         |         |
  1+55       8.4571      8.46  | O       |         |         |         |
  2+ 0       8.5299      8.53  | O       |         |         |         |
  2+ 5       8.6665      8.67  | O       |         |         |         |
  2+10       8.7988      8.80  | O       |         |         |         |
  2+15       8.8982      8.90  | O       |         |         |         |
  2+20       9.0661      9.07  | O       |         |         |         |
  2+25       9.1964      9.20  | O       |         |         |         |
  2+30       9.2911      9.29  | O       |         |         |         |
  2+35       9.3643      9.37  | O       |         |         |         |
  2+40       9.4198      9.42  | O       |         |         |         |
```

```
2+45      9.4890      9.49  | O       |         |         |         |
2+50      9.6448      9.65  | O       |         |         |         |
2+55      9.8630      9.87  | O       |         |         |         |
3+ 0     10.0199     10.02  | O       |         |         |         |
3+ 5     10.1284     10.13  | O       |         |         |         |
3+10     10.2813     10.28  | O       |         |         |         |
3+15     10.7288     10.74  | O       |         |         |         |
3+20     11.3745     11.38  | O       |         |         |         |
3+25     11.8219     11.83  | O       |         |         |         |
3+30     12.4992     12.51  |  O      |         |         |         |
3+35     13.6971     13.72  |  O      |         |         |         |
3+40     15.1062     15.13  |  O      |         |         |         |
3+45     16.3483     16.37  |  O      |         |         |         |
3+50     17.4006     17.42  |   O     |         |         |         |
3+55     18.4616     18.48  |   O     |         |         |         |
4+ 0     19.4252     19.44  |   O     |         |         |         |
4+ 5     20.4238     20.44  |   O     |         |         |         |
4+10     21.4174     21.43  |    O    |         |         |         |
4+15     22.7765     22.80  |    O    |         |         |         |
4+20     24.3544     24.38  |    O    |         |         |         |
4+25     26.0410     26.07  |     O   |         |         |         |
4+30     27.7206     27.75  |     O   |         |         |         |
4+35     29.1273     29.15  |      O  |         |         |         |
4+40     30.3486     30.37  |      O  |         |         |         |
4+45     31.8452     31.87  |      O  |         |         |         |
4+50     33.4284     33.45  |       O |         |         |         |
4+55     35.6090     35.64  |       O |         |         |         |
5+ 0     47.9623     48.15  |         |O        |         |         |
5+ 5     62.1581     62.38  |         |    O    |         |         |
5+10     75.4062     75.61  |         |       O |         |         |
5+15     85.2298     85.38  |         |         O         |         |
5+20     93.4124     93.54  |         |         | O       |         |
5+25    101.3077    101.43  |         |         |   O     |         |
5+30    138.7996    139.38  |         |         |         |  O      |
5+35    164.9123    165.31  |         |         |         |        OI
5+40    165.3096    165.31  |         |         |         |         O
5+45    165.3096    165.31  |         |         |         |         O
5+50    165.3096    165.31  |         |         |         |         O
5+55    165.3096    165.31  |         |         |         |         O
6+ 0    165.3096    165.31  |         |         |         |         O
6+ 5    125.6598    125.04  |         |         |         O         |
6+10    125.0429    125.04  |         |         |         O         |
6+15    125.0429    125.04  |         |         |         O         |
6+20    125.0429    125.04  |         |         |         O         |
6+25    125.0429    125.04  |         |         |         O         |
6+30    125.0429    125.04  |         |         |         O         |
6+35    125.0429    125.04  |         |         |         O         |
6+40    125.0429    125.04  |         |         |         O         |
6+45    125.0429    125.04  |         |         |         O         |
6+50    125.0429    125.04  |         |         |         O         |
6+55    125.0429    125.04  |         |         |         O         |
7+ 0    125.0429    125.04  |         |         |         O         |
7+ 5    125.0429    125.04  |         |         |         O         |
7+10    125.0429    125.04  |         |         |         O         |
7+15    125.0429    125.04  |         |         |         O         |
7+20    125.0429    125.04  |         |         |         O         |
7+25    125.0429    125.04  |         |         |         O         |
7+30    125.0429    125.04  |         |         |         O         |
7+35    125.0429    125.04  |         |         |         O         |
7+40    125.0429    125.04  |         |         |         O         |
7+45    125.0429    125.04  |         |         |         O         |
7+50    125.0429    125.04  |         |         |         O         |
7+55    125.0429    125.04  |         |         |         O         |
8+ 0    125.0429    125.04  |         |         |         O         |
8+ 5    125.0429    125.04  |         |         |         O         |
8+10    125.0429    125.04  |         |         |         O         |
8+15    125.0429    125.04  |         |         |         O         |
8+20    125.0429    125.04  |         |         |         O         |
8+25    125.0429    125.04  |         |         |         O         |
8+30    125.0429    125.04  |         |         |         O         |
8+35    125.0429    125.04  |         |         |         O         |
8+40    125.0429    125.04  |         |         |         O         |
8+45    125.0429    125.04  |         |         |         O         |
8+50    125.0429    125.04  |         |         |         O         |
8+55    125.0429    125.04  |         |         |         O         |
9+ 0    125.0429    125.04  |         |         |         O         |
9+ 5    125.0429    125.04  |         |         |         O         |
9+10    125.0429    125.04  |         |         |         O         |
9+15    125.0429    125.04  |         |         |         O         |
9+20    125.0429    125.04  |         |         |         O         |
9+25    125.0429    125.04  |         |         |         O         |
9+30    125.0429    125.04  |         |         |         O         |
9+35    125.0429    125.04  |         |         |         O         |
9+40    125.0429    125.04  |         |         |         O         |
9+45    125.0429    125.04  |         |         |         O         |
9+50    125.0429    125.04  |         |         |         O         |
9+55    125.0429    125.04  |         |         |         O         |
10+ 0   125.0429    125.04  |         |         |         O         |
10+ 5   125.0429    125.04  |         |         |         O         |
10+10   125.0429    125.04  |         |         |         O         |
10+15   125.0429    125.04  |         |         |         O         |
10+20   125.0429    125.04  |         |         |         O         |
10+25    79.3649     78.65  |         |         |        O|         |
10+30     1.2050      0.00  O         |         |         |         |
10+35     0.0000      0.00  O         |         |         |         |
-------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =   127
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      165.310 (CFS)
                    Total volume =      61.508 (Ac.Ft)
             Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
      *************************************************************************

      -------------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.800 to Point/Station        4.900
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      _________________________________________________________________________
      ******************** HYDROGRAPH INFORMATION **********************

                    From study/file name: MESAP4G1006100.rte
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
      -------------------------------------------------------------------------
               Hydrograph in   5   Minute intervals (CFS)

      -------------------------------------------------------------------------
```

Time(h+m)	Add q(CFS)	Tot. Q	0	41.5	83.0	124.6	166.1
0+ 5	0.0257	2.53	Q	|	|	|	|
0+10	0.0466	4.38	qQ	|	|	|	|
0+15	0.0503	5.12	qQ	|	|	|	|
0+20	0.0504	5.64	qQ	|	|	|	|
0+25	0.0504	5.99	qQ	|	|	|	|
0+30	0.0555	6.28	qQ	|	|	|	|
0+35	0.0587	6.59	qQ	|	|	|	|
0+40	0.0588	6.90	qQ	|	|	|	|
0+45	0.0588	7.09	qQ	|	|	|	|
0+50	0.0588	7.23	qQ	|	|	|	|
0+55	0.0588	7.35	qQ	|	|	|	|
1+ 0	0.0639	7.47	qQ	|	|	|	|
1+ 5	0.0671	7.65	qQ	|	|	|	|
1+10	0.0672	7.84	qQ	|	|	|	|
1+15	0.0672	7.98	qQ	|	|	|	|
1+20	0.0672	8.08	qQ	|	|	|	|
1+25	0.0672	8.17	qQ	|	|	|	|
1+30	0.0672	8.25	qQ	|	|	|	|
1+35	0.0672	8.31	q Q	|	|	|	|
1+40	0.0672	8.37	q Q	|	|	|	|
1+45	0.0672	8.42	q Q	|	|	|	|
1+50	0.0672	8.47	q Q	|	|	|	|
1+55	0.0672	8.52	q Q	|	|	|	|
2+ 0	0.0723	8.60	q Q	|	|	|	|
2+ 5	0.0703	8.74	q Q	|	|	|	|
2+10	0.0724	8.87	q Q	|	|	|	|
2+15	0.0755	8.97	q Q	|	|	|	|
2+20	0.0756	9.14	q Q	|	|	|	|
2+25	0.0756	9.27	q Q	|	|	|	|
2+30	0.0756	9.37	q Q	|	|	|	|
2+35	0.0756	9.44	q Q	|	|	|	|
2+40	0.0756	9.50	q Q	|	|	|	|
2+45	0.0807	9.57	q Q	|	|	|	|
2+50	0.0838	9.73	q Q	|	|	|	|
2+55	0.0840	9.95	q Q	|	|	|	|
3+ 0	0.0840	10.10	q Q	|	|	|	|
3+ 5	0.0840	10.21	q Q	|	|	|	|
3+10	0.0891	10.37	q Q	|	|	|	|
3+15	0.0922	10.82	q Q	|	|	|	|
3+20	0.0924	11.47	q Q	|	|	|	|
3+25	0.0975	11.92	q Q	|	|	|	|
3+30	0.1058	12.60	q Q	|	|	|	|
3+35	0.1392	13.84	q Q	|	|	|	|
3+40	0.1576	15.26	q Q	|	|	|	|
3+45	0.1905	16.54	q Q	|	|	|	|
3+50	0.2100	17.61	q Q	|	|	|	|
3+55	0.2429	18.70	q Q	|	|	|	|
4+ 0	0.2625	19.69	q Q	|	|	|	|
4+ 5	0.2954	20.72	q Q	|	|	|	|
4+10	0.3472	21.76	q Q	|	|	|	|
4+15	0.3996	23.18	q Q	|	|	|	|
4+20	0.4521	24.81	q Q	|	|	|	|
4+25	0.5046	26.55	q Q	|	|	|	|
4+30	0.5249	28.25	q Q	|	|	|	|
4+35	0.5578	29.69	q Q	|	|	|	|
4+40	0.6095	30.96	q Q	|	|	|	|
4+45	0.6620	32.51	q Q	|	|	|	|
4+50	0.6823	34.11	q Q	|	|	|	|
4+55	0.7152	36.32	q Q	|	|	|	|
5+ 0	0.7670	48.73	q Q	|	|	|	|
5+ 5	0.9482	63.11	q	| Q	|	|	|
5+10	1.2077	76.61	q	| Q	|	|	|
5+15	1.4057	86.64	q	| Q	|	|	|
5+20	1.5646	94.98	q	| Q	|	|	|
5+25	1.7864	103.09	q	| Q	|	|	|
5+30	2.1761	140.98	q	| Q	|	|	|
5+35	1.1651	166.08	q	| Q	|	|	|
5+40	0.2351	165.54	q	| Q	|	|	|
5+45	0.0648	165.37	q	| Q	|	|	|
5+50	0.0456	165.36	q	| Q	|	|	|
5+55	0.0318	165.34	q	| Q	|	|	|
6+ 0	0.0203	165.33	q	| Q	|	|	|
6+ 5	0.0066	125.67	q	| Q	|	|	|
6+10	0.0002	125.04	q	| Q	|	|	|
6+15	0.0000	125.04	q	| Q	|	|	|
6+20	0.0000	125.04	q	| Q	|	|	|
6+25	0.0000	125.04	q	| Q	|	|	|
6+30	0.0000	125.04	q	| Q	|	|	|
6+35	0.0000	125.04	q	| Q	|	|	|
6+40	0.0000	125.04	q	| Q	|	|	|
6+45	0.0000	125.04	q	| Q	|	|	|
6+50	0.0000	125.04	q	| Q	|	|	|
6+55	0.0000	125.04	q	| Q	|	|	|
7+ 0	0.0000	125.04	q	| Q	|	|	|
7+ 5	0.0000	125.04	q	| Q	|	|	|
7+10	0.0000	125.04	q	| Q	|	|	|
7+15	0.0000	125.04	q	| Q	|	|	|
7+20	0.0000	125.04	q	| Q	|	|	|
7+25	0.0000	125.04	q	| Q	|	|	|
7+30	0.0000	125.04	q	| Q	|	|	|
7+35	0.0000	125.04	q	| Q	|	|	|
7+40	0.0000	125.04	q	| Q	|	|	|
7+45	0.0000	125.04	q	| Q	|	|	|
7+50	0.0000	125.04	q	| Q	|	|	|
7+55	0.0000	125.04	q	| Q	|	|	|
8+ 0	0.0000	125.04	q	| Q	|	|	|
8+ 5	0.0000	125.04	q	| Q	|	|	|
8+10	0.0000	125.04	q	| Q	|	|	|
8+15	0.0000	125.04	q	| Q	|	|	|
8+20	0.0000	125.04	q	| Q	|	|	|
8+25	0.0000	125.04	q	| Q	|	|	|
8+30	0.0000	125.04	q	| Q	|	|	|
8+35	0.0000	125.04	q	| Q	|	|	|
8+40	0.0000	125.04	q	| Q	|	|	|
8+45	0.0000	125.04	q	| Q	|	|	|
8+50	0.0000	125.04	q	| Q	|	|	|
8+55	0.0000	125.04	q	| Q	|	|	|
9+ 0	0.0000	125.04	q	| Q	|	|	|
9+ 5	0.0000	125.04	q	| Q	|	|	|
9+10	0.0000	125.04	q	| Q	|	|	|
9+15	0.0000	125.04	q	| Q	|	|	|
9+20	0.0000	125.04	q	| Q	|	|	|
9+25	0.0000	125.04	q	| Q	|	|	|
9+30	0.0000	125.04	q	| Q	|	|	|
9+35	0.0000	125.04	q	| Q	|	|	|
9+40	0.0000	125.04	q	| Q	|	|	|
9+45	0.0000	125.04	q	| Q	|	|	|
9+50	0.0000	125.04	q	| Q	|	|	|
9+55	0.0000	125.04	q	| Q	|	|	|
10+ 0	0.0000	125.04	q	| Q	|	|	|
10+ 5	0.0000	125.04	q	| Q	|	|	|
10+10	0.0000	125.04	q	| Q	|	|	|

```
   10+15       0.0000    125.04  q         |         |         Q         |
   10+20       0.0000    125.04  q         |         |         Q         |
   10+25       0.0000     79.36  q         |        Q|         |         |
   10+30       0.0000      1.21  Q         |         |         |         |
   10+35       0.0000      0.00  Q         |         |         |         |
------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =   127
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      166.077 (CFS)
                        Total volume =      61.655 (Ac.Ft)
                 Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                 Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                 Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ------------------------------------------------------------------------
```

```
                  FLOOD HYDROGRAPH ROUTING PROGRAM
            Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                      Study date: 02/13/24

------------------------------------------------------------------------


MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 24 HOUR
AREAS 4A, 4B, 4C, 4D, 4E, 4F & 4G
2/09/24
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP4D10024100.rte
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =   297
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       69.487 (CFS)
                Total volume =      38.435 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.100 to Point/Station        4.200
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 297
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.581      0.200      0.580        0.582
  2.000      1.217      0.290      1.216        1.218
  3.000      1.908      0.360      1.907        1.909
  4.000      2.657      0.420      2.656        2.658
  5.000      3.465      0.470      3.463        3.467
  6.000      4.333      0.510      4.331        4.335
  7.000      5.263      0.550      5.261        5.265
  8.000      6.257      0.590      6.255        6.259
  9.000      7.318      0.630      7.316        7.320
 10.000      8.448      0.660      8.446        8.450
 11.000      9.650      0.690      9.648        9.652
 12.000     10.898      0.730     10.895       10.901
 13.000     12.216      0.760     12.213       12.219
 14.000     13.633      0.780     13.630       13.636
 15.000     15.123     12.850     15.079       15.167
 16.000     16.688     24.780     16.603       16.773
 17.000     18.331     37.080     18.203       18.459
 18.000     20.053     84.390     19.762       20.344
 19.000     21.854    162.420     21.295       22.413
------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0      17.4   34.74   52.12  69.49 (Ft.)
 0.083    0.25    0.00      0.001  O       |       |       |      |     0.00
 0.167    1.62    0.00      0.007  O       |       |       |      |     0.01
 0.250    2.41    0.01      0.021  OI      |       |       |      |     0.04
 0.333    2.84    0.01      0.039  OI      |       |       |      |     0.07
 0.417    3.68    0.02      0.061  OI      |       |       |      |     0.11
 0.500    4.15    0.03      0.088  OI      |       |       |      |     0.15
 0.583    4.32    0.04      0.117  OI      |       |       |      |     0.20
 0.667    4.42    0.05      0.147  O I     |       |       |      |     0.25
 0.750    4.47    0.06      0.177  O I     |       |       |      |     0.30
 0.833    4.61    0.07      0.208  O I     |       |       |      |     0.36
 0.917    5.30    0.08      0.241  O I     |       |       |      |     0.42
 1.000    5.70    0.10      0.279  O I     |       |       |      |     0.48
 1.083    5.73    0.11      0.317  O I     |       |       |      |     0.55
 1.167    5.13    0.12      0.354  O I     |       |       |      |     0.61
 1.250    4.77    0.13      0.387  O I     |       |       |      |     0.67
 1.333    4.63    0.14      0.419  O I     |       |       |      |     0.72
 1.417    4.56    0.15      0.449  O I     |       |       |      |     0.77
 1.500    4.53    0.17      0.479  O I     |       |       |      |     0.83
 1.583    4.52    0.18      0.509  O I     |       |       |      |     0.88
 1.667    4.51    0.19      0.539  O I     |       |       |      |     0.93
 1.750    4.50    0.20      0.569  O I     |       |       |      |     0.98
 1.833    4.62    0.20      0.599  O I     |       |       |      |     1.03
 1.917    5.31    0.21      0.632  O I     |       |       |      |     1.08
 2.000    5.70    0.21      0.668  O I     |       |       |      |     1.14
 2.083    5.86    0.22      0.707  O I     |       |       |      |     1.20
 2.167    5.94    0.22      0.746  O I     |       |       |      |     1.26
 2.250    5.97    0.23      0.785  O I     |       |       |      |     1.32
 2.333    5.98    0.23      0.825  O I     |       |       |      |     1.38
 2.417    5.99    0.24      0.864  O I     |       |       |      |     1.45
 2.500    6.00    0.25      0.904  O I     |       |       |      |     1.51
 2.583    6.12    0.25      0.944  O I     |       |       |      |     1.57
 2.667    6.81    0.26      0.987  O  I    |       |       |      |     1.64
 2.750    7.20    0.26      1.033  O  I    |       |       |      |     1.71
 2.833    7.36    0.27      1.081  O  I    |       |       |      |     1.79
 2.917    7.44    0.28      1.130  O  I    |       |       |      |     1.86
 3.000    7.47    0.28      1.180  O  I    |       |       |      |     1.94
 3.083    7.48    0.29      1.229  O  I    |       |       |      |     2.02
 3.167    7.49    0.30      1.279  O  I    |       |       |      |     2.09
 3.250    7.50    0.30      1.329  O  I    |       |       |      |     2.16
 3.333    7.50    0.31      1.378  O  I    |       |       |      |     2.23
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3.417	7.50	0.31	1.428	O	I					2.30	8.583	28.05	0.63	7.391	O		I				9.06
3.500	7.50	0.32	1.477	O	I					2.38	8.667	29.07	0.64	7.584	O		I				9.23
3.583	7.50	0.32	1.527	O	I					2.45	8.750	29.67	0.64	7.781	O		I				9.41
3.667	7.50	0.33	1.576	O	I					2.52	8.833	30.09	0.65	7.983	O		I				9.59
3.750	7.50	0.33	1.625	O	I					2.59	8.917	31.20	0.65	8.189	O		I				9.77
3.833	7.62	0.34	1.675	O	I					2.66	9.000	31.84	0.66	8.402	O		I				9.96
3.917	8.31	0.34	1.728	O	I					2.74	9.083	32.44	0.66	8.619	O		I				10.14
4.000	8.70	0.35	1.784	O	I					2.82	9.167	34.55	0.67	8.845	O		I				10.33
4.083	8.86	0.35	1.842	O	I					2.90	9.250	35.75	0.68	9.082	O		I				10.53
4.167	8.94	0.36	1.901	O	I					2.99	9.333	36.41	0.68	9.326	O		I				10.73
4.250	8.97	0.36	1.960	O	I					3.07	9.417	37.65	0.69	9.576	O		I				10.94
4.333	9.11	0.37	2.020	O	I					3.15	9.500	38.34	0.70	9.833	O		I				11.15
4.417	9.80	0.37	2.082	O	I					3.23	9.583	38.79	0.70	10.094	O		I				11.36
4.500	10.20	0.38	2.149	O	I					3.32	9.667	39.93	0.71	10.360	O		I				11.57
4.583	10.36	0.38	2.217	O	I					3.41	9.750	40.57	0.72	10.632	O		I				11.79
4.667	10.44	0.39	2.286	O	I					3.50	9.833	41.01	0.73	10.908	O		I				12.01
4.750	10.47	0.40	2.355	O	I					3.60	9.917	42.14	0.74	11.190	O		I				12.22
4.833	10.61	0.40	2.425	O	I					3.69	10.000	42.78	0.74	11.477	O		I				12.44
4.917	11.31	0.41	2.497	O	I					3.79	10.083	41.80	0.75	11.763	O		I				12.66
5.000	11.72	0.41	2.574	O	I					3.89	10.167	35.08	0.76	12.023	O		I				12.85
5.083	11.64	0.42	2.651	O	I					3.99	10.250	31.23	0.76	12.246	O		I				13.02
5.167	10.33	0.42	2.724	O	I					4.08	10.333	29.74	0.76	12.450	O		I				13.17
5.250	9.57	0.43	2.790	O	I					4.16	10.417	28.97	0.77	12.647	O		I				13.30
5.333	9.40	0.43	2.852	O	I					4.24	10.500	28.64	0.77	12.840	O		I				13.44
5.417	9.93	0.44	2.916	O	I					4.32	10.583	29.42	0.77	13.035	O		I				13.58
5.500	10.26	0.44	2.982	O	I					4.40	10.667	34.26	0.77	13.249	O		I				13.73
5.583	10.53	0.44	3.051	O	I					4.49	10.750	37.02	0.78	13.489	O		I				13.90
5.667	11.37	0.45	3.123	O	I					4.58	10.833	38.11	1.64	13.740	O		I				14.07
5.750	11.85	0.45	3.200	O	I					4.67	10.917	38.71	3.64	13.986	O		I				14.24
5.833	12.05	0.46	3.279	O	I					4.77	11.000	38.98	5.55	14.222	O		I				14.40
5.917	12.17	0.46	3.359	O	I					4.87	11.083	38.91	7.36	14.446	O		I				14.55
6.000	12.24	0.47	3.440	O	I					4.97	11.167	38.00	9.05	14.654	O		I				14.69
6.083	12.45	0.47	3.522	O	I					5.07	11.250	37.50	10.61	14.846	O		I				14.81
6.167	13.47	0.48	3.608	O	I					5.16	11.333	37.32	12.06	15.026	O		I				14.93
6.250	14.05	0.48	3.700	O	I					5.27	11.417	37.22	13.40	15.195	O		I				15.05
6.333	14.30	0.49	3.794	O	I					5.38	11.500	37.19	14.61	15.354	O		I				15.15
6.417	14.43	0.49	3.889	O	I					5.49	11.583	36.83	15.76	15.505	O		I				15.24
6.500	14.50	0.49	3.986	O	I					5.60	11.667	34.88	16.79	15.640	O		I				15.33
6.583	14.72	0.50	4.083	O	I					5.71	11.750	33.77	17.69	15.757	O		I				15.41
6.667	15.73	0.50	4.184	O	I					5.83	11.833	33.52	18.50	15.864	O		I				15.47
6.750	16.32	0.51	4.291	O	I					5.95	11.917	34.29	19.29	15.968	O		I				15.54
6.833	16.57	0.51	4.401	O	I					6.07	12.000	34.77	20.07	16.070	O		I				15.61
6.917	16.70	0.52	4.512	O	I					6.19	12.083	36.20	20.86	16.173	O		I				15.67
7.000	16.77	0.52	4.624	O	I					6.31	12.167	43.17	21.82	16.300	O		I				15.75
7.083	16.81	0.53	4.736	O	I					6.43	12.250	47.15	23.02	16.456	O		I				15.85
7.167	16.85	0.53	4.848	O	I					6.55	12.333	48.89	24.29	16.624	O		I				15.96
7.250	16.87	0.54	4.960	O	I					6.67	12.417	50.70	25.58	16.795	O		I				16.07
7.333	17.07	0.54	5.074	O	I					6.80	12.500	51.64	26.87	16.967	O		I				16.17
7.417	18.08	0.55	5.191	O	I					6.92	12.583	52.36	28.13	17.136	O		I				16.27
7.500	18.66	0.55	5.314	O	I					7.05	12.667	54.53	29.41	17.306	O		I				16.38
7.583	19.07	0.56	5.440	O	I					7.18	12.750	55.78	30.70	17.479	O		I				16.48
7.667	20.19	0.56	5.571	O	I					7.31	12.833	56.45	31.98	17.649	O		I				16.59
7.750	20.82	0.57	5.708	O	I					7.45	12.917	57.69	33.24	17.818	O		I				16.69
7.833	21.25	0.57	5.849	O	I					7.59	13.000	58.37	34.48	17.984	O		I				16.79
7.917	22.38	0.58	5.996	O	I					7.74	13.083	59.53	35.71	18.149	O		I				16.89
8.000	23.02	0.59	6.148	O	I					7.89	13.167	64.59	37.04	18.325	O		I				17.00
8.083	23.63	0.59	6.305	O	I					8.04	13.250	67.48	41.95	18.508	O		I				17.10
8.167	25.74	0.60	6.471	O	I					8.20	13.333	68.61	46.46	18.672	O		I				17.20
8.250	26.94	0.60	6.648	O	I					8.37	13.417	69.21	50.34	18.814	O		I				17.28
8.333	27.42	0.61	6.831	O	I					8.54	13.500	69.49	53.63	18.933	O		I				17.35
8.417	27.68	0.62	7.016	O	I					8.72	13.583	67.65	56.21	19.027	O		I				17.40
8.500	27.81	0.63	7.203	O	I					8.89	13.667	56.94	57.26	19.066	O		I				17.43

13.750	50.83	56.68	19.044	|	|	|	I| O	|	17.41	18.917	3.76	11.98	15.016	|I O |	|	|	|	14.93
13.833	48.46	55.46	19.000	|	|	|	I |O	|	17.39	19.000	3.33	11.52	14.959	|I O |	|	|	|	14.89
13.917	47.21	54.14	18.952	|	|	|	I O	|	17.36	19.083	3.29	11.08	14.904	|I O |	|	|	|	14.85
14.000	46.67	52.90	18.907	|	|	|	I O	|	17.33	19.167	3.88	10.67	14.854	|I O	|	|	|	14.82
14.083	47.20	51.87	18.869	|	|	|	I O|	|	17.31	19.250	4.23	10.31	14.810	|I O	|	|	|	14.79
14.167	51.00	51.39	18.852	|	|	|	O|	|	17.30	19.333	4.53	9.99	14.770	| I O	|	|	|	14.76
14.250	53.17	51.51	18.856	|	|	|	OI	|	17.31	19.417	5.45	9.72	14.736	| I O	|	|	|	14.74
14.333	53.85	51.86	18.869	|	|	|	OI	|	17.31	19.500	5.98	9.50	14.710	| I O	|	|	|	14.72
14.417	53.35	52.16	18.880	|	|	|	O	|	17.32	19.583	6.03	9.31	14.686	| I O	|	|	|	14.71
14.500	53.00	52.33	18.886	|	|	|	O	|	17.32	19.667	5.28	9.11	14.662	| I O	|	|	|	14.69
14.583	52.87	52.44	18.890	|	|	|	O	|	17.32	19.750	4.83	8.89	14.634	| I O	|	|	|	14.67
14.667	52.82	52.51	18.893	|	|	|	O	|	17.33	19.833	4.54	8.66	14.606	| IO	|	|	|	14.65
14.750	52.82	52.56	18.894	|	|	|	O	|	17.33	19.917	3.76	8.42	14.576	|I O	|	|	|	14.63
14.833	52.65	52.59	18.896	|	|	|	O	|	17.33	20.000	3.33	8.15	14.543	|I O	|	|	|	14.61
14.917	51.67	52.52	18.893	|	|	|	IO	|	17.33	20.083	3.29	7.89	14.511	|I O	|	|	|	14.59
15.000	51.12	52.32	18.886	|	|	|	IO	|	17.32	20.167	3.88	7.66	14.482	|I O	|	|	|	14.57
15.083	50.73	52.08	18.877	|	|	|	O|	|	17.32	20.250	4.23	7.46	14.458	|I O	|	|	|	14.55
15.167	49.65	51.75	18.865	|	|	|	IO|	|	17.31	20.333	4.37	7.29	14.437	| IO	|	|	|	14.54
15.250	49.06	51.34	18.850	|	|	|	IO|	|	17.30	20.417	4.44	7.13	14.417	| IO	|	|	|	14.53
15.333	48.66	50.91	18.834	|	|	|	IO|	|	17.29	20.500	4.47	6.99	14.400	| IO	|	|	|	14.51
15.417	47.56	50.43	18.817	|	|	|	I O|	|	17.28	20.583	4.48	6.85	14.383	| IO	|	|	|	14.50
15.500	46.96	49.88	18.797	|	|	|	IO |	|	17.27	20.667	4.49	6.72	14.367	| IO	|	|	|	14.49
15.583	46.03	49.29	18.776	|	|	|	IO |	|	17.26	20.750	4.50	6.60	14.352	| IO	|	|	|	14.48
15.667	41.99	48.38	18.742	|	|	| I	O |	|	17.24	20.833	4.38	6.49	14.337	| O	|	|	|	14.47
15.750	39.70	47.08	18.695	|	|	| I	O |	|	17.21	20.917	3.69	6.35	14.321	|IO	|	|	|	14.46
15.833	38.82	45.73	18.646	|	|	|I	O |	|	17.18	21.000	3.30	6.20	14.302	|IO	|	|	|	14.45
15.917	38.37	44.49	18.601	|	|	|I	O |	|	17.16	21.083	3.27	6.04	14.282	|IO	|	|	|	14.44
16.000	38.17	43.42	18.562	|	|	|I O	|	|	17.13	21.167	3.87	5.91	14.266	|IO	|	|	|	14.42
16.083	35.47	42.28	18.520	|	|	I	O |	|	17.11	21.250	4.23	5.81	14.253	|IO	|	|	|	14.42
16.167	20.78	39.83	18.431	|	|I	| O	|	|	17.06	21.333	4.25	5.72	14.243	|IO	|	|	|	14.41
16.250	12.35	36.71	18.282	| I	|	O	|	|	16.97	21.417	3.63	5.62	14.231	|IO	|	|	|	14.40
16.333	9.08	35.40	18.107	| I	|	O	|	|	16.86	21.500	3.27	5.51	14.216	|IO	|	|	|	14.39
16.417	7.37	34.04	17.925	| I	|	O|	|	|	16.75	21.583	3.25	5.38	14.201	|IO	|	|	|	14.38
16.500	6.62	32.68	17.743	| I	|	O|	|	|	16.64	21.667	3.87	5.28	14.189	|IO	|	|	|	14.37
16.583	6.22	31.36	17.567	| I	|	O |	|	|	16.53	21.750	4.23	5.22	14.181	|IO	|	|	|	14.37
16.667	5.36	30.07	17.395	| I	|	O |	|	|	16.43	21.833	4.25	5.16	14.174	|IO	|	|	|	14.36
16.750	4.84	28.82	17.227	| I	|	O |	|	|	16.33	21.917	3.63	5.10	14.166	|IO	|	|	|	14.36
16.833	4.64	27.61	17.066	| I	|	O |	|	|	16.23	22.000	3.27	5.01	14.155	|IO	|	|	|	14.35
16.917	4.56	26.45	16.911	| I	|	O |	|	|	16.14	22.083	3.25	4.91	14.143	|IO	|	|	|	14.34
17.000	4.53	25.35	16.764	| I	|	O |	|	|	16.05	22.167	3.87	4.84	14.134	|IO	|	|	|	14.34
17.083	4.82	24.30	16.625	| I	|	O |	|	|	15.96	22.250	4.24	4.80	14.129	|IO	|	|	|	14.33
17.167	6.51	23.35	16.500	| I	|	O |	|	|	15.88	22.333	4.26	4.77	14.125	|IO	|	|	|	14.33
17.250	7.48	22.51	16.391	| I	|	O |	|	|	15.81	22.417	3.64	4.72	14.120	|IO	|	|	|	14.33
17.333	7.86	21.75	16.291	| I	|	O |	|	|	15.75	22.500	3.27	4.65	14.111	|IO	|	|	|	14.32
17.417	8.07	21.05	16.198	| I	|	O |	|	|	15.69	22.583	3.13	4.58	14.102	|IO	|	|	|	14.31
17.500	8.17	20.39	16.112	| I	|	O |	|	|	15.63	22.667	3.06	4.50	14.092	|IO	|	|	|	14.31
17.583	8.21	19.76	16.030	| I	|	O |	|	|	15.58	22.750	3.03	4.42	14.082	|IO	|	|	|	14.30
17.667	8.24	19.17	15.952	| I	|	O |	|	|	15.53	22.833	3.02	4.34	14.073	|O	|	|	|	14.29
17.750	8.27	18.61	15.879	| I	|	O |	|	|	15.48	22.917	3.01	4.27	14.064	|O	|	|	|	14.29
17.833	8.11	18.08	15.809	| I	|	O |	|	|	15.44	23.000	3.00	4.20	14.055	|O	|	|	|	14.28
17.917	7.14	17.55	15.739	| I	|	O |	|	|	15.39	23.083	3.00	4.13	14.047	|O	|	|	|	14.28
18.000	6.59	17.00	15.667	| I	O|	|	|	|	15.35	23.167	3.00	4.07	14.040	|O	|	|	|	14.27
18.083	6.39	16.46	15.597	| I	O|	|	|	|	15.30	23.250	3.00	4.02	14.032	|O	|	|	|	14.27
18.167	6.29	15.94	15.529	| I	O|	|	|	|	15.26	23.333	3.00	3.96	14.026	|O	|	|	|	14.26
18.250	6.25	15.45	15.464	| I	O|	|	|	|	15.22	23.417	3.00	3.91	14.019	|O	|	|	|	14.26
18.333	6.24	14.98	15.402	| I	O |	|	|	|	15.18	23.500	3.00	3.86	14.013	|O	|	|	|	14.26
18.417	6.24	14.53	15.344	| I	O |	|	|	|	15.14	23.583	3.00	3.81	14.007	|O	|	|	|	14.25
18.500	6.24	14.11	15.288	| I	O |	|	|	|	15.11	23.667	3.00	3.77	14.002	|O	|	|	|	14.25
18.583	6.11	13.70	15.235	| I	O |	|	|	|	15.07	23.750	3.00	3.73	13.997	|O	|	|	|	14.24
18.667	5.31	13.29	15.181	| I	O |	|	|	|	15.04	23.833	3.00	3.69	13.992	|O	|	|	|	14.24
18.750	4.85	12.87	15.126	| I	O |	|	|	|	15.00	23.917	3.00	3.65	13.987	|O	|	|	|	14.24
18.833	4.54	12.43	15.071	| I	O |	|	|	|	14.97	24.000	3.00	3.61	13.983	|O	|	|	|	14.23

24.083	2.75	3.57	13.978	IO	|	|	|	14.23	29.250	0.00	0.78	13.453	O	|	|	|	13.87
24.167	1.38	3.49	13.968	IO	|	|	|	14.22	29.333	0.00	0.78	13.447	O	|	|	|	13.87
24.250	0.59	3.36	13.951	IO	|	|	|	14.21	29.417	0.00	0.78	13.442	O	|	|	|	13.87
24.333	0.29	3.20	13.932	IO	|	|	|	14.20	29.500	0.00	0.78	13.437	O	|	|	|	13.86
24.417	0.13	3.04	13.911	IO	|	|	|	14.19	29.583	0.00	0.78	13.431	O	|	|	|	13.86
24.500	0.06	2.88	13.892	IO	|	|	|	14.17	29.667	0.00	0.78	13.426	O	|	|	|	13.85
24.583	0.03	2.72	13.873	IO	|	|	|	14.16	29.750	0.00	0.78	13.421	O	|	|	|	13.85
24.667	0.02	2.58	13.855	IO	|	|	|	14.15	29.833	0.00	0.78	13.415	O	|	|	|	13.85
24.750	0.00	2.44	13.838	IO	|	|	|	14.14	29.917	0.00	0.78	13.410	O	|	|	|	13.84
24.833	0.00	2.30	13.821	IO	|	|	|	14.13	30.000	0.00	0.78	13.405	O	|	|	|	13.84
24.917	0.00	2.18	13.806	IO	|	|	|	14.12	30.083	0.00	0.78	13.399	O	|	|	|	13.84
25.000	0.00	2.06	13.791	O	|	|	|	14.11	30.167	0.00	0.78	13.394	O	|	|	|	13.83
25.083	0.00	1.95	13.777	O	|	|	|	14.10	30.250	0.00	0.78	13.389	O	|	|	|	13.83
25.167	0.00	1.84	13.764	O	|	|	|	14.09	30.333	0.00	0.78	13.383	O	|	|	|	13.82
25.250	0.00	1.74	13.752	O	|	|	|	14.08	30.417	0.00	0.78	13.378	O	|	|	|	13.82
25.333	0.00	1.65	13.740	O	|	|	|	14.07	30.500	0.00	0.78	13.373	O	|	|	|	13.82
25.417	0.00	1.56	13.729	O	|	|	|	14.06	30.583	0.00	0.78	13.367	O	|	|	|	13.81
25.500	0.00	1.47	13.719	O	|	|	|	14.06	30.667	0.00	0.78	13.362	O	|	|	|	13.81
25.583	0.00	1.39	13.709	O	|	|	|	14.05	30.750	0.00	0.78	13.357	O	|	|	|	13.80
25.667	0.00	1.32	13.700	O	|	|	|	14.04	30.833	0.00	0.78	13.351	O	|	|	|	13.80
25.750	0.00	1.25	13.691	O	|	|	|	14.04	30.917	0.00	0.78	13.346	O	|	|	|	13.80
25.833	0.00	1.18	13.682	O	|	|	|	14.03	31.000	0.00	0.78	13.341	O	|	|	|	13.79
25.917	0.00	1.12	13.674	O	|	|	|	14.03	31.083	0.00	0.78	13.335	O	|	|	|	13.79
26.000	0.00	1.06	13.667	O	|	|	|	14.02	31.167	0.00	0.78	13.330	O	|	|	|	13.79
26.083	0.00	1.00	13.660	O	|	|	|	14.02	31.250	0.00	0.78	13.324	O	|	|	|	13.78
26.167	0.00	0.94	13.653	O	|	|	|	14.01	31.333	0.00	0.78	13.319	O	|	|	|	13.78
26.250	0.00	0.89	13.647	O	|	|	|	14.01	31.417	0.00	0.78	13.314	O	|	|	|	13.77
26.333	0.00	0.84	13.641	O	|	|	|	14.01	31.500	0.00	0.78	13.308	O	|	|	|	13.77
26.417	0.00	0.80	13.635	O	|	|	|	14.00	31.583	0.00	0.78	13.303	O	|	|	|	13.77
26.500	0.00	0.78	13.630	O	|	|	|	14.00	31.667	0.00	0.78	13.298	O	|	|	|	13.76
26.583	0.00	0.78	13.624	O	|	|	|	13.99	31.750	0.00	0.78	13.292	O	|	|	|	13.76
26.667	0.00	0.78	13.619	O	|	|	|	13.99	31.833	0.00	0.78	13.287	O	|	|	|	13.76
26.750	0.00	0.78	13.614	O	|	|	|	13.99	31.917	0.00	0.78	13.282	O	|	|	|	13.75
26.833	0.00	0.78	13.608	O	|	|	|	13.98	32.000	0.00	0.77	13.276	O	|	|	|	13.75
26.917	0.00	0.78	13.603	O	|	|	|	13.98	32.083	0.00	0.77	13.271	O	|	|	|	13.74
27.000	0.00	0.78	13.598	O	|	|	|	13.98	32.167	0.00	0.77	13.266	O	|	|	|	13.74
27.083	0.00	0.78	13.592	O	|	|	|	13.97	32.250	0.00	0.77	13.260	O	|	|	|	13.74
27.167	0.00	0.78	13.587	O	|	|	|	13.97	32.333	0.00	0.77	13.255	O	|	|	|	13.73
27.250	0.00	0.78	13.581	O	|	|	|	13.96	32.417	0.00	0.77	13.250	O	|	|	|	13.73
27.333	0.00	0.78	13.576	O	|	|	|	13.96	32.500	0.00	0.77	13.244	O	|	|	|	13.73
27.417	0.00	0.78	13.571	O	|	|	|	13.96	32.583	0.00	0.77	13.239	O	|	|	|	13.72
27.500	0.00	0.78	13.565	O	|	|	|	13.95	32.667	0.00	0.77	13.234	O	|	|	|	13.72
27.583	0.00	0.78	13.560	O	|	|	|	13.95	32.750	0.00	0.77	13.228	O	|	|	|	13.71
27.667	0.00	0.78	13.555	O	|	|	|	13.94	32.833	0.00	0.77	13.223	O	|	|	|	13.71
27.750	0.00	0.78	13.549	O	|	|	|	13.94	32.917	0.00	0.77	13.218	O	|	|	|	13.71
27.833	0.00	0.78	13.544	O	|	|	|	13.94	33.000	0.00	0.77	13.212	O	|	|	|	13.70
27.917	0.00	0.78	13.539	O	|	|	|	13.93	33.083	0.00	0.77	13.207	O	|	|	|	13.70
28.000	0.00	0.78	13.533	O	|	|	|	13.93	33.167	0.00	0.77	13.202	O	|	|	|	13.70
28.083	0.00	0.78	13.528	O	|	|	|	13.93	33.250	0.00	0.77	13.196	O	|	|	|	13.69
28.167	0.00	0.78	13.522	O	|	|	|	13.92	33.333	0.00	0.77	13.191	O	|	|	|	13.69
28.250	0.00	0.78	13.517	O	|	|	|	13.92	33.417	0.00	0.77	13.186	O	|	|	|	13.68
28.333	0.00	0.78	13.512	O	|	|	|	13.91	33.500	0.00	0.77	13.180	O	|	|	|	13.68
28.417	0.00	0.78	13.506	O	|	|	|	13.91	33.583	0.00	0.77	13.175	O	|	|	|	13.68
28.500	0.00	0.78	13.501	O	|	|	|	13.91	33.667	0.00	0.77	13.170	O	|	|	|	13.67
28.583	0.00	0.78	13.496	O	|	|	|	13.90	33.750	0.00	0.77	13.164	O	|	|	|	13.67
28.667	0.00	0.78	13.490	O	|	|	|	13.90	33.833	0.00	0.77	13.159	O	|	|	|	13.67
28.750	0.00	0.78	13.485	O	|	|	|	13.90	33.917	0.00	0.77	13.154	O	|	|	|	13.66
28.833	0.00	0.78	13.480	O	|	|	|	13.89	34.000	0.00	0.77	13.148	O	|	|	|	13.66
28.917	0.00	0.78	13.474	O	|	|	|	13.89	34.083	0.00	0.77	13.143	O	|	|	|	13.65
29.000	0.00	0.78	13.469	O	|	|	|	13.88	34.167	0.00	0.77	13.138	O	|	|	|	13.65
29.083	0.00	0.78	13.464	O	|	|	|	13.88	34.250	0.00	0.77	13.133	O	|	|	|	13.65
29.167	0.00	0.78	13.458	O	|	|	|	13.88	34.333	0.00	0.77	13.127	O	|	|	|	13.64

34.417	0.00	0.77	13.122	O	|	|	|	|	13.64	39.583	0.00	0.77	12.793	O	|	|	|	|	13.41
34.500	0.00	0.77	13.117	O	|	|	|	|	13.64	39.667	0.00	0.77	12.788	O	|	|	|	|	13.40
34.583	0.00	0.77	13.111	O	|	|	|	|	13.63	39.750	0.00	0.77	12.782	O	|	|	|	|	13.40
34.667	0.00	0.77	13.106	O	|	|	|	|	13.63	39.833	0.00	0.77	12.777	O	|	|	|	|	13.40
34.750	0.00	0.77	13.101	O	|	|	|	|	13.62	39.917	0.00	0.77	12.772	O	|	|	|	|	13.39
34.833	0.00	0.77	13.095	O	|	|	|	|	13.62	40.000	0.00	0.77	12.766	O	|	|	|	|	13.39
34.917	0.00	0.77	13.090	O	|	|	|	|	13.62	40.083	0.00	0.77	12.761	O	|	|	|	|	13.38
35.000	0.00	0.77	13.085	O	|	|	|	|	13.61	40.167	0.00	0.77	12.756	O	|	|	|	|	13.38
35.083	0.00	0.77	13.079	O	|	|	|	|	13.61	40.250	0.00	0.77	12.751	O	|	|	|	|	13.38
35.167	0.00	0.77	13.074	O	|	|	|	|	13.61	40.333	0.00	0.77	12.745	O	|	|	|	|	13.37
35.250	0.00	0.77	13.069	O	|	|	|	|	13.60	40.417	0.00	0.77	12.740	O	|	|	|	|	13.37
35.333	0.00	0.77	13.063	O	|	|	|	|	13.60	40.500	0.00	0.77	12.735	O	|	|	|	|	13.37
35.417	0.00	0.77	13.058	O	|	|	|	|	13.59	40.583	0.00	0.77	12.729	O	|	|	|	|	13.36
35.500	0.00	0.77	13.053	O	|	|	|	|	13.59	40.667	0.00	0.77	12.724	O	|	|	|	|	13.36
35.583	0.00	0.77	13.047	O	|	|	|	|	13.59	40.750	0.00	0.77	12.719	O	|	|	|	|	13.35
35.667	0.00	0.77	13.042	O	|	|	|	|	13.58	40.833	0.00	0.77	12.714	O	|	|	|	|	13.35
35.750	0.00	0.77	13.037	O	|	|	|	|	13.58	40.917	0.00	0.77	12.708	O	|	|	|	|	13.35
35.833	0.00	0.77	13.031	O	|	|	|	|	13.58	41.000	0.00	0.77	12.703	O	|	|	|	|	13.34
35.917	0.00	0.77	13.026	O	|	|	|	|	13.57	41.083	0.00	0.77	12.698	O	|	|	|	|	13.34
36.000	0.00	0.77	13.021	O	|	|	|	|	13.57	41.167	0.00	0.77	12.692	O	|	|	|	|	13.34
36.083	0.00	0.77	13.016	O	|	|	|	|	13.56	41.250	0.00	0.77	12.687	O	|	|	|	|	13.33
36.167	0.00	0.77	13.010	O	|	|	|	|	13.56	41.333	0.00	0.77	12.682	O	|	|	|	|	13.33
36.250	0.00	0.77	13.005	O	|	|	|	|	13.56	41.417	0.00	0.77	12.677	O	|	|	|	|	13.33
36.333	0.00	0.77	13.000	O	|	|	|	|	13.55	41.500	0.00	0.77	12.671	O	|	|	|	|	13.32
36.417	0.00	0.77	12.994	O	|	|	|	|	13.55	41.583	0.00	0.77	12.666	O	|	|	|	|	13.32
36.500	0.00	0.77	12.989	O	|	|	|	|	13.55	41.667	0.00	0.77	12.661	O	|	|	|	|	13.31
36.583	0.00	0.77	12.984	O	|	|	|	|	13.54	41.750	0.00	0.77	12.656	O	|	|	|	|	13.31
36.667	0.00	0.77	12.978	O	|	|	|	|	13.54	41.833	0.00	0.77	12.650	O	|	|	|	|	13.31
36.750	0.00	0.77	12.973	O	|	|	|	|	13.53	41.917	0.00	0.77	12.645	O	|	|	|	|	13.30
36.833	0.00	0.77	12.968	O	|	|	|	|	13.53	42.000	0.00	0.77	12.640	O	|	|	|	|	13.30
36.917	0.00	0.77	12.962	O	|	|	|	|	13.53	42.083	0.00	0.77	12.634	O	|	|	|	|	13.30
37.000	0.00	0.77	12.957	O	|	|	|	|	13.52	42.167	0.00	0.77	12.629	O	|	|	|	|	13.29
37.083	0.00	0.77	12.952	O	|	|	|	|	13.52	42.250	0.00	0.77	12.624	O	|	|	|	|	13.29
37.167	0.00	0.77	12.947	O	|	|	|	|	13.52	42.333	0.00	0.77	12.619	O	|	|	|	|	13.28
37.250	0.00	0.77	12.941	O	|	|	|	|	13.51	42.417	0.00	0.77	12.613	O	|	|	|	|	13.28
37.333	0.00	0.77	12.936	O	|	|	|	|	13.51	42.500	0.00	0.77	12.608	O	|	|	|	|	13.28
37.417	0.00	0.77	12.931	O	|	|	|	|	13.50	42.583	0.00	0.77	12.603	O	|	|	|	|	13.27
37.500	0.00	0.77	12.925	O	|	|	|	|	13.50	42.667	0.00	0.77	12.597	O	|	|	|	|	13.27
37.583	0.00	0.77	12.920	O	|	|	|	|	13.50	42.750	0.00	0.77	12.592	O	|	|	|	|	13.27
37.667	0.00	0.77	12.915	O	|	|	|	|	13.49	42.833	0.00	0.77	12.587	O	|	|	|	|	13.26
37.750	0.00	0.77	12.909	O	|	|	|	|	13.49	42.917	0.00	0.77	12.582	O	|	|	|	|	13.26
37.833	0.00	0.77	12.904	O	|	|	|	|	13.49	43.000	0.00	0.77	12.576	O	|	|	|	|	13.25
37.917	0.00	0.77	12.899	O	|	|	|	|	13.48	43.083	0.00	0.77	12.571	O	|	|	|	|	13.25
38.000	0.00	0.77	12.893	O	|	|	|	|	13.48	43.167	0.00	0.76	12.566	O	|	|	|	|	13.25
38.083	0.00	0.77	12.888	O	|	|	|	|	13.47	43.250	0.00	0.76	12.561	O	|	|	|	|	13.24
38.167	0.00	0.77	12.883	O	|	|	|	|	13.47	43.333	0.00	0.76	12.555	O	|	|	|	|	13.24
38.250	0.00	0.77	12.878	O	|	|	|	|	13.47	43.417	0.00	0.76	12.550	O	|	|	|	|	13.24
38.333	0.00	0.77	12.872	O	|	|	|	|	13.46	43.500	0.00	0.76	12.545	O	|	|	|	|	13.23
38.417	0.00	0.77	12.867	O	|	|	|	|	13.46	43.583	0.00	0.76	12.540	O	|	|	|	|	13.23
38.500	0.00	0.77	12.862	O	|	|	|	|	13.46	43.667	0.00	0.76	12.534	O	|	|	|	|	13.22
38.583	0.00	0.77	12.856	O	|	|	|	|	13.45	43.750	0.00	0.76	12.529	O	|	|	|	|	13.22
38.667	0.00	0.77	12.851	O	|	|	|	|	13.45	43.833	0.00	0.76	12.524	O	|	|	|	|	13.22
38.750	0.00	0.77	12.846	O	|	|	|	|	13.44	43.917	0.00	0.76	12.518	O	|	|	|	|	13.21
38.833	0.00	0.77	12.841	O	|	|	|	|	13.44	44.000	0.00	0.76	12.513	O	|	|	|	|	13.21
38.917	0.00	0.77	12.835	O	|	|	|	|	13.44	44.083	0.00	0.76	12.508	O	|	|	|	|	13.21
39.000	0.00	0.77	12.830	O	|	|	|	|	13.43	44.167	0.00	0.76	12.503	O	|	|	|	|	13.20
39.083	0.00	0.77	12.825	O	|	|	|	|	13.43	44.250	0.00	0.76	12.497	O	|	|	|	|	13.20
39.167	0.00	0.77	12.819	O	|	|	|	|	13.43	44.333	0.00	0.76	12.492	O	|	|	|	|	13.19
39.250	0.00	0.77	12.814	O	|	|	|	|	13.42	44.417	0.00	0.76	12.487	O	|	|	|	|	13.19
39.333	0.00	0.77	12.809	O	|	|	|	|	13.42	44.500	0.00	0.76	12.482	O	|	|	|	|	13.19
39.417	0.00	0.77	12.803	O	|	|	|	|	13.41	44.583	0.00	0.76	12.476	O	|	|	|	|	13.18
39.500	0.00	0.77	12.798	O	|	|	|	|	13.41	44.667	0.00	0.76	12.471	O	|	|	|	|	13.18

44.750	0.00	0.76	12.466	O	|	|	|	|	13.18	49.917	0.00	0.76	12.141	O	|	|	|	|	12.94
44.833	0.00	0.76	12.461	O	|	|	|	|	13.17	50.000	0.00	0.76	12.136	O	|	|	|	|	12.94
44.917	0.00	0.76	12.455	O	|	|	|	|	13.17	50.083	0.00	0.76	12.130	O	|	|	|	|	12.94
45.000	0.00	0.76	12.450	O	|	|	|	|	13.17	50.167	0.00	0.76	12.125	O	|	|	|	|	12.93
45.083	0.00	0.76	12.445	O	|	|	|	|	13.16	50.250	0.00	0.76	12.120	O	|	|	|	|	12.93
45.167	0.00	0.76	12.440	O	|	|	|	|	13.16	50.333	0.00	0.76	12.115	O	|	|	|	|	12.92
45.250	0.00	0.76	12.434	O	|	|	|	|	13.15	50.417	0.00	0.76	12.110	O	|	|	|	|	12.92
45.333	0.00	0.76	12.429	O	|	|	|	|	13.15	50.500	0.00	0.76	12.104	O	|	|	|	|	12.92
45.417	0.00	0.76	12.424	O	|	|	|	|	13.15	50.583	0.00	0.76	12.099	O	|	|	|	|	12.91
45.500	0.00	0.76	12.419	O	|	|	|	|	13.14	50.667	0.00	0.76	12.094	O	|	|	|	|	12.91
45.583	0.00	0.76	12.413	O	|	|	|	|	13.14	50.750	0.00	0.76	12.089	O	|	|	|	|	12.90
45.667	0.00	0.76	12.408	O	|	|	|	|	13.14	50.833	0.00	0.76	12.083	O	|	|	|	|	12.90
45.750	0.00	0.76	12.403	O	|	|	|	|	13.13	50.917	0.00	0.76	12.078	O	|	|	|	|	12.90
45.833	0.00	0.76	12.398	O	|	|	|	|	13.13	51.000	0.00	0.76	12.073	O	|	|	|	|	12.89
45.917	0.00	0.76	12.392	O	|	|	|	|	13.12	51.083	0.00	0.76	12.068	O	|	|	|	|	12.89
46.000	0.00	0.76	12.387	O	|	|	|	|	13.12	51.167	0.00	0.76	12.063	O	|	|	|	|	12.88
46.083	0.00	0.76	12.382	O	|	|	|	|	13.12	51.250	0.00	0.76	12.057	O	|	|	|	|	12.88
46.167	0.00	0.76	12.377	O	|	|	|	|	13.11	51.333	0.00	0.76	12.052	O	|	|	|	|	12.88
46.250	0.00	0.76	12.371	O	|	|	|	|	13.11	51.417	0.00	0.76	12.047	O	|	|	|	|	12.87
46.333	0.00	0.76	12.366	O	|	|	|	|	13.11	51.500	0.00	0.76	12.042	O	|	|	|	|	12.87
46.417	0.00	0.76	12.361	O	|	|	|	|	13.10	51.583	0.00	0.76	12.037	O	|	|	|	|	12.86
46.500	0.00	0.76	12.356	O	|	|	|	|	13.10	51.667	0.00	0.76	12.031	O	|	|	|	|	12.86
46.583	0.00	0.76	12.350	O	|	|	|	|	13.09	51.750	0.00	0.76	12.026	O	|	|	|	|	12.86
46.667	0.00	0.76	12.345	O	|	|	|	|	13.09	51.833	0.00	0.76	12.021	O	|	|	|	|	12.85
46.750	0.00	0.76	12.340	O	|	|	|	|	13.09	51.917	0.00	0.76	12.016	O	|	|	|	|	12.85
46.833	0.00	0.76	12.335	O	|	|	|	|	13.08	52.000	0.00	0.76	12.011	O	|	|	|	|	12.84
46.917	0.00	0.76	12.329	O	|	|	|	|	13.08	52.083	0.00	0.76	12.005	O	|	|	|	|	12.84
47.000	0.00	0.76	12.324	O	|	|	|	|	13.08	52.167	0.00	0.76	12.000	O	|	|	|	|	12.84
47.083	0.00	0.76	12.319	O	|	|	|	|	13.07	52.250	0.00	0.75	11.995	O	|	|	|	|	12.83
47.167	0.00	0.76	12.314	O	|	|	|	|	13.07	52.333	0.00	0.75	11.990	O	|	|	|	|	12.83
47.250	0.00	0.76	12.308	O	|	|	|	|	13.07	52.417	0.00	0.75	11.985	O	|	|	|	|	12.82
47.333	0.00	0.76	12.303	O	|	|	|	|	13.06	52.500	0.00	0.75	11.979	O	|	|	|	|	12.82
47.417	0.00	0.76	12.298	O	|	|	|	|	13.06	52.583	0.00	0.75	11.974	O	|	|	|	|	12.82
47.500	0.00	0.76	12.293	O	|	|	|	|	13.05	52.667	0.00	0.75	11.969	O	|	|	|	|	12.81
47.583	0.00	0.76	12.287	O	|	|	|	|	13.05	52.750	0.00	0.75	11.964	O	|	|	|	|	12.81
47.667	0.00	0.76	12.282	O	|	|	|	|	13.05	52.833	0.00	0.75	11.959	O	|	|	|	|	12.80
47.750	0.00	0.76	12.277	O	|	|	|	|	13.04	52.917	0.00	0.75	11.953	O	|	|	|	|	12.80
47.833	0.00	0.76	12.272	O	|	|	|	|	13.04	53.000	0.00	0.75	11.948	O	|	|	|	|	12.80
47.917	0.00	0.76	12.266	O	|	|	|	|	13.04	53.083	0.00	0.75	11.943	O	|	|	|	|	12.79
48.000	0.00	0.76	12.261	O	|	|	|	|	13.03	53.167	0.00	0.75	11.938	O	|	|	|	|	12.79
48.083	0.00	0.76	12.256	O	|	|	|	|	13.03	53.250	0.00	0.75	11.933	O	|	|	|	|	12.78
48.167	0.00	0.76	12.251	O	|	|	|	|	13.02	53.333	0.00	0.75	11.927	O	|	|	|	|	12.78
48.250	0.00	0.76	12.245	O	|	|	|	|	13.02	53.417	0.00	0.75	11.922	O	|	|	|	|	12.78
48.333	0.00	0.76	12.240	O	|	|	|	|	13.02	53.500	0.00	0.75	11.917	O	|	|	|	|	12.77
48.417	0.00	0.76	12.235	O	|	|	|	|	13.01	53.583	0.00	0.75	11.912	O	|	|	|	|	12.77
48.500	0.00	0.76	12.230	O	|	|	|	|	13.01	53.667	0.00	0.75	11.907	O	|	|	|	|	12.77
48.583	0.00	0.76	12.225	O	|	|	|	|	13.01	53.750	0.00	0.75	11.901	O	|	|	|	|	12.76
48.667	0.00	0.76	12.219	O	|	|	|	|	13.00	53.833	0.00	0.75	11.896	O	|	|	|	|	12.76
48.750	0.00	0.76	12.214	O	|	|	|	|	13.00	53.917	0.00	0.75	11.891	O	|	|	|	|	12.75
48.833	0.00	0.76	12.209	O	|	|	|	|	12.99	54.000	0.00	0.75	11.886	O	|	|	|	|	12.75
48.917	0.00	0.76	12.204	O	|	|	|	|	12.99	54.083	0.00	0.75	11.881	O	|	|	|	|	12.75
49.000	0.00	0.76	12.198	O	|	|	|	|	12.99	54.167	0.00	0.75	11.876	O	|	|	|	|	12.74
49.083	0.00	0.76	12.193	O	|	|	|	|	12.98	54.250	0.00	0.75	11.870	O	|	|	|	|	12.74
49.167	0.00	0.76	12.188	O	|	|	|	|	12.98	54.333	0.00	0.75	11.865	O	|	|	|	|	12.73
49.250	0.00	0.76	12.183	O	|	|	|	|	12.97	54.417	0.00	0.75	11.860	O	|	|	|	|	12.73
49.333	0.00	0.76	12.177	O	|	|	|	|	12.97	54.500	0.00	0.75	11.855	O	|	|	|	|	12.73
49.417	0.00	0.76	12.172	O	|	|	|	|	12.97	54.583	0.00	0.75	11.850	O	|	|	|	|	12.72
49.500	0.00	0.76	12.167	O	|	|	|	|	12.96	54.667	0.00	0.75	11.845	O	|	|	|	|	12.72
49.583	0.00	0.76	12.162	O	|	|	|	|	12.96	54.750	0.00	0.75	11.839	O	|	|	|	|	12.71
49.667	0.00	0.76	12.157	O	|	|	|	|	12.95	54.833	0.00	0.75	11.834	O	|	|	|	|	12.71
49.750	0.00	0.76	12.151	O	|	|	|	|	12.95	54.917	0.00	0.75	11.829	O	|	|	|	|	12.71
49.833	0.00	0.76	12.146	O	|	|	|	|	12.95	55.000	0.00	0.75	11.824	O	|	|	|	|	12.70

55.083	0.00	0.75	11.819	O	|	|	|	|	12.70	60.250	0.00	0.74	11.500	O	|	|	|	|	12.46
55.167	0.00	0.75	11.813	O	|	|	|	|	12.69	60.333	0.00	0.74	11.494	O	|	|	|	|	12.45
55.250	0.00	0.75	11.808	O	|	|	|	|	12.69	60.417	0.00	0.74	11.489	O	|	|	|	|	12.45
55.333	0.00	0.75	11.803	O	|	|	|	|	12.69	60.500	0.00	0.74	11.484	O	|	|	|	|	12.44
55.417	0.00	0.75	11.798	O	|	|	|	|	12.68	60.583	0.00	0.74	11.479	O	|	|	|	|	12.44
55.500	0.00	0.75	11.793	O	|	|	|	|	12.68	60.667	0.00	0.74	11.474	O	|	|	|	|	12.44
55.583	0.00	0.75	11.788	O	|	|	|	|	12.67	60.750	0.00	0.74	11.469	O	|	|	|	|	12.43
55.667	0.00	0.75	11.782	O	|	|	|	|	12.67	60.833	0.00	0.74	11.464	O	|	|	|	|	12.43
55.750	0.00	0.75	11.777	O	|	|	|	|	12.67	60.917	0.00	0.74	11.459	O	|	|	|	|	12.43
55.833	0.00	0.75	11.772	O	|	|	|	|	12.66	61.000	0.00	0.74	11.453	O	|	|	|	|	12.42
55.917	0.00	0.75	11.767	O	|	|	|	|	12.66	61.083	0.00	0.74	11.448	O	|	|	|	|	12.42
56.000	0.00	0.75	11.762	O	|	|	|	|	12.66	61.167	0.00	0.74	11.443	O	|	|	|	|	12.41
56.083	0.00	0.75	11.757	O	|	|	|	|	12.65	61.250	0.00	0.74	11.438	O	|	|	|	|	12.41
56.167	0.00	0.75	11.751	O	|	|	|	|	12.65	61.333	0.00	0.74	11.433	O	|	|	|	|	12.41
56.250	0.00	0.75	11.746	O	|	|	|	|	12.64	61.417	0.00	0.74	11.428	O	|	|	|	|	12.40
56.333	0.00	0.75	11.741	O	|	|	|	|	12.64	61.500	0.00	0.74	11.423	O	|	|	|	|	12.40
56.417	0.00	0.75	11.736	O	|	|	|	|	12.64	61.583	0.00	0.74	11.418	O	|	|	|	|	12.39
56.500	0.00	0.75	11.731	O	|	|	|	|	12.63	61.667	0.00	0.74	11.413	O	|	|	|	|	12.39
56.583	0.00	0.75	11.726	O	|	|	|	|	12.63	61.750	0.00	0.74	11.407	O	|	|	|	|	12.39
56.667	0.00	0.75	11.721	O	|	|	|	|	12.62	61.833	0.00	0.74	11.402	O	|	|	|	|	12.38
56.750	0.00	0.75	11.715	O	|	|	|	|	12.62	61.917	0.00	0.74	11.397	O	|	|	|	|	12.38
56.833	0.00	0.75	11.710	O	|	|	|	|	12.62	62.000	0.00	0.74	11.392	O	|	|	|	|	12.37
56.917	0.00	0.75	11.705	O	|	|	|	|	12.61	62.083	0.00	0.74	11.387	O	|	|	|	|	12.37
57.000	0.00	0.75	11.700	O	|	|	|	|	12.61	62.167	0.00	0.74	11.382	O	|	|	|	|	12.37
57.083	0.00	0.75	11.695	O	|	|	|	|	12.60	62.250	0.00	0.74	11.377	O	|	|	|	|	12.36
57.167	0.00	0.75	11.690	O	|	|	|	|	12.60	62.333	0.00	0.74	11.372	O	|	|	|	|	12.36
57.250	0.00	0.75	11.684	O	|	|	|	|	12.60	62.417	0.00	0.74	11.367	O	|	|	|	|	12.36
57.333	0.00	0.75	11.679	O	|	|	|	|	12.59	62.500	0.00	0.74	11.362	O	|	|	|	|	12.35
57.417	0.00	0.75	11.674	O	|	|	|	|	12.59	62.583	0.00	0.74	11.356	O	|	|	|	|	12.35
57.500	0.00	0.75	11.669	O	|	|	|	|	12.58	62.667	0.00	0.74	11.351	O	|	|	|	|	12.34
57.583	0.00	0.75	11.664	O	|	|	|	|	12.58	62.750	0.00	0.74	11.346	O	|	|	|	|	12.34
57.667	0.00	0.75	11.659	O	|	|	|	|	12.58	62.833	0.00	0.74	11.341	O	|	|	|	|	12.34
57.750	0.00	0.75	11.654	O	|	|	|	|	12.57	62.917	0.00	0.74	11.336	O	|	|	|	|	12.33
57.833	0.00	0.75	11.648	O	|	|	|	|	12.57	63.000	0.00	0.74	11.331	O	|	|	|	|	12.33
57.917	0.00	0.75	11.643	O	|	|	|	|	12.57	63.083	0.00	0.74	11.326	O	|	|	|	|	12.32
58.000	0.00	0.75	11.638	O	|	|	|	|	12.56	63.167	0.00	0.74	11.321	O	|	|	|	|	12.32
58.083	0.00	0.75	11.633	O	|	|	|	|	12.56	63.250	0.00	0.74	11.316	O	|	|	|	|	12.32
58.167	0.00	0.75	11.628	O	|	|	|	|	12.55	63.333	0.00	0.74	11.311	O	|	|	|	|	12.31
58.250	0.00	0.75	11.623	O	|	|	|	|	12.55	63.417	0.00	0.74	11.305	O	|	|	|	|	12.31
58.333	0.00	0.75	11.618	O	|	|	|	|	12.55	63.500	0.00	0.74	11.300	O	|	|	|	|	12.31
58.417	0.00	0.75	11.612	O	|	|	|	|	12.54	63.583	0.00	0.74	11.295	O	|	|	|	|	12.30
58.500	0.00	0.75	11.607	O	|	|	|	|	12.54	63.667	0.00	0.74	11.290	O	|	|	|	|	12.30
58.583	0.00	0.75	11.602	O	|	|	|	|	12.53	63.750	0.00	0.74	11.285	O	|	|	|	|	12.29
58.667	0.00	0.75	11.597	O	|	|	|	|	12.53	63.833	0.00	0.74	11.280	O	|	|	|	|	12.29
58.750	0.00	0.75	11.592	O	|	|	|	|	12.53	63.917	0.00	0.74	11.275	O	|	|	|	|	12.29
58.833	0.00	0.75	11.587	O	|	|	|	|	12.52	64.000	0.00	0.74	11.270	O	|	|	|	|	12.28
58.917	0.00	0.75	11.582	O	|	|	|	|	12.52	64.083	0.00	0.74	11.265	O	|	|	|	|	12.28
59.000	0.00	0.75	11.576	O	|	|	|	|	12.51	64.167	0.00	0.74	11.260	O	|	|	|	|	12.27
59.083	0.00	0.75	11.571	O	|	|	|	|	12.51	64.250	0.00	0.74	11.255	O	|	|	|	|	12.27
59.167	0.00	0.75	11.566	O	|	|	|	|	12.51	64.333	0.00	0.74	11.250	O	|	|	|	|	12.27
59.250	0.00	0.75	11.561	O	|	|	|	|	12.50	64.417	0.00	0.74	11.244	O	|	|	|	|	12.26
59.333	0.00	0.74	11.556	O	|	|	|	|	12.50	64.500	0.00	0.74	11.239	O	|	|	|	|	12.26
59.417	0.00	0.74	11.551	O	|	|	|	|	12.50	64.583	0.00	0.74	11.234	O	|	|	|	|	12.26
59.500	0.00	0.74	11.546	O	|	|	|	|	12.49	64.667	0.00	0.74	11.229	O	|	|	|	|	12.25
59.583	0.00	0.74	11.541	O	|	|	|	|	12.49	64.750	0.00	0.74	11.224	O	|	|	|	|	12.25
59.667	0.00	0.74	11.535	O	|	|	|	|	12.48	64.833	0.00	0.74	11.219	O	|	|	|	|	12.24
59.750	0.00	0.74	11.530	O	|	|	|	|	12.48	64.917	0.00	0.74	11.214	O	|	|	|	|	12.24
59.833	0.00	0.74	11.525	O	|	|	|	|	12.48	65.000	0.00	0.74	11.209	O	|	|	|	|	12.24
59.917	0.00	0.74	11.520	O	|	|	|	|	12.47	65.083	0.00	0.74	11.204	O	|	|	|	|	12.23
60.000	0.00	0.74	11.515	O	|	|	|	|	12.47	65.167	0.00	0.74	11.199	O	|	|	|	|	12.23
60.083	0.00	0.74	11.510	O	|	|	|	|	12.46	65.250	0.00	0.74	11.194	O	|	|	|	|	12.22
60.167	0.00	0.74	11.505	O	|	|	|	|	12.46	65.333	0.00	0.74	11.189	O	|	|	|	|	12.22

65.417	0.00	0.74	11.184	O	|	|	|	|	12.22	70.583	0.00	0.73	10.871	O	|	|	|	|	11.98
65.500	0.00	0.74	11.178	O	|	|	|	|	12.21	70.667	0.00	0.73	10.866	O	|	|	|	|	11.97
65.583	0.00	0.74	11.173	O	|	|	|	|	12.21	70.750	0.00	0.73	10.861	O	|	|	|	|	11.97
65.667	0.00	0.74	11.168	O	|	|	|	|	12.21	70.833	0.00	0.73	10.856	O	|	|	|	|	11.97
65.750	0.00	0.74	11.163	O	|	|	|	|	12.20	70.917	0.00	0.73	10.850	O	|	|	|	|	11.96
65.833	0.00	0.74	11.158	O	|	|	|	|	12.20	71.000	0.00	0.73	10.845	O	|	|	|	|	11.96
65.917	0.00	0.74	11.153	O	|	|	|	|	12.19	71.083	0.00	0.73	10.840	O	|	|	|	|	11.95
66.000	0.00	0.74	11.148	O	|	|	|	|	12.19	71.167	0.00	0.73	10.835	O	|	|	|	|	11.95
66.083	0.00	0.74	11.143	O	|	|	|	|	12.19	71.250	0.00	0.73	10.830	O	|	|	|	|	11.95
66.167	0.00	0.74	11.138	O	|	|	|	|	12.18	71.333	0.00	0.73	10.825	O	|	|	|	|	11.94
66.250	0.00	0.74	11.133	O	|	|	|	|	12.18	71.417	0.00	0.73	10.820	O	|	|	|	|	11.94
66.333	0.00	0.74	11.128	O	|	|	|	|	12.17	71.500	0.00	0.73	10.815	O	|	|	|	|	11.93
66.417	0.00	0.74	11.123	O	|	|	|	|	12.17	71.583	0.00	0.73	10.810	O	|	|	|	|	11.93
66.500	0.00	0.73	11.118	O	|	|	|	|	12.17	71.667	0.00	0.73	10.805	O	|	|	|	|	11.93
66.583	0.00	0.73	11.113	O	|	|	|	|	12.16	71.750	0.00	0.73	10.800	O	|	|	|	|	11.92
66.667	0.00	0.73	11.108	O	|	|	|	|	12.16	71.833	0.00	0.73	10.795	O	|	|	|	|	11.92
66.750	0.00	0.73	11.102	O	|	|	|	|	12.16	71.917	0.00	0.73	10.790	O	|	|	|	|	11.91
66.833	0.00	0.73	11.097	O	|	|	|	|	12.15	72.000	0.00	0.73	10.785	O	|	|	|	|	11.91
66.917	0.00	0.73	11.092	O	|	|	|	|	12.15	72.083	0.00	0.73	10.780	O	|	|	|	|	11.91
67.000	0.00	0.73	11.087	O	|	|	|	|	12.14	72.167	0.00	0.73	10.775	O	|	|	|	|	11.90
67.083	0.00	0.73	11.082	O	|	|	|	|	12.14	72.250	0.00	0.73	10.770	O	|	|	|	|	11.90
67.167	0.00	0.73	11.077	O	|	|	|	|	12.14	72.333	0.00	0.73	10.765	O	|	|	|	|	11.89
67.250	0.00	0.73	11.072	O	|	|	|	|	12.13	72.417	0.00	0.73	10.760	O	|	|	|	|	11.89
67.333	0.00	0.73	11.067	O	|	|	|	|	12.13	72.500	0.00	0.73	10.755	O	|	|	|	|	11.89
67.417	0.00	0.73	11.062	O	|	|	|	|	12.12	72.583	0.00	0.73	10.750	O	|	|	|	|	11.88
67.500	0.00	0.73	11.057	O	|	|	|	|	12.12	72.667	0.00	0.73	10.745	O	|	|	|	|	11.88
67.583	0.00	0.73	11.052	O	|	|	|	|	12.12	72.750	0.00	0.72	10.740	O	|	|	|	|	11.87
67.667	0.00	0.73	11.047	O	|	|	|	|	12.11	72.833	0.00	0.72	10.735	O	|	|	|	|	11.87
67.750	0.00	0.73	11.042	O	|	|	|	|	12.11	72.917	0.00	0.72	10.730	O	|	|	|	|	11.87
67.833	0.00	0.73	11.037	O	|	|	|	|	12.11	73.000	0.00	0.72	10.725	O	|	|	|	|	11.86
67.917	0.00	0.73	11.032	O	|	|	|	|	12.10	73.083	0.00	0.72	10.720	O	|	|	|	|	11.86
68.000	0.00	0.73	11.027	O	|	|	|	|	12.10	73.167	0.00	0.72	10.715	O	|	|	|	|	11.85
68.083	0.00	0.73	11.022	O	|	|	|	|	12.09	73.250	0.00	0.72	10.710	O	|	|	|	|	11.85
68.167	0.00	0.73	11.017	O	|	|	|	|	12.09	73.333	0.00	0.72	10.705	O	|	|	|	|	11.85
68.250	0.00	0.73	11.012	O	|	|	|	|	12.09	73.417	0.00	0.72	10.700	O	|	|	|	|	11.84
68.333	0.00	0.73	11.006	O	|	|	|	|	12.08	73.500	0.00	0.72	10.695	O	|	|	|	|	11.84
68.417	0.00	0.73	11.001	O	|	|	|	|	12.08	73.583	0.00	0.72	10.691	O	|	|	|	|	11.83
68.500	0.00	0.73	10.996	O	|	|	|	|	12.07	73.667	0.00	0.72	10.686	O	|	|	|	|	11.83
68.583	0.00	0.73	10.991	O	|	|	|	|	12.07	73.750	0.00	0.72	10.681	O	|	|	|	|	11.83
68.667	0.00	0.73	10.986	O	|	|	|	|	12.07	73.833	0.00	0.72	10.676	O	|	|	|	|	11.82
68.750	0.00	0.73	10.981	O	|	|	|	|	12.06	73.917	0.00	0.72	10.671	O	|	|	|	|	11.82
68.833	0.00	0.73	10.976	O	|	|	|	|	12.06	74.000	0.00	0.72	10.666	O	|	|	|	|	11.81
68.917	0.00	0.73	10.971	O	|	|	|	|	12.06	74.083	0.00	0.72	10.661	O	|	|	|	|	11.81
69.000	0.00	0.73	10.966	O	|	|	|	|	12.05	74.167	0.00	0.72	10.656	O	|	|	|	|	11.81
69.083	0.00	0.73	10.961	O	|	|	|	|	12.05	74.250	0.00	0.72	10.651	O	|	|	|	|	11.80
69.167	0.00	0.73	10.956	O	|	|	|	|	12.04	74.333	0.00	0.72	10.646	O	|	|	|	|	11.80
69.250	0.00	0.73	10.951	O	|	|	|	|	12.04	74.417	0.00	0.72	10.641	O	|	|	|	|	11.79
69.333	0.00	0.73	10.946	O	|	|	|	|	12.04	74.500	0.00	0.72	10.636	O	|	|	|	|	11.79
69.417	0.00	0.73	10.941	O	|	|	|	|	12.03	74.583	0.00	0.72	10.631	O	|	|	|	|	11.79
69.500	0.00	0.73	10.936	O	|	|	|	|	12.03	74.667	0.00	0.72	10.626	O	|	|	|	|	11.78
69.583	0.00	0.73	10.931	O	|	|	|	|	12.02	74.750	0.00	0.72	10.621	O	|	|	|	|	11.78
69.667	0.00	0.73	10.926	O	|	|	|	|	12.02	74.833	0.00	0.72	10.616	O	|	|	|	|	11.77
69.750	0.00	0.73	10.921	O	|	|	|	|	12.02	74.917	0.00	0.72	10.611	O	|	|	|	|	11.77
69.833	0.00	0.73	10.916	O	|	|	|	|	12.01	75.000	0.00	0.72	10.606	O	|	|	|	|	11.77
69.917	0.00	0.73	10.911	O	|	|	|	|	12.01	75.083	0.00	0.72	10.601	O	|	|	|	|	11.76
70.000	0.00	0.73	10.906	O	|	|	|	|	12.01	75.167	0.00	0.72	10.596	O	|	|	|	|	11.76
70.083	0.00	0.73	10.901	O	|	|	|	|	12.00	75.250	0.00	0.72	10.591	O	|	|	|	|	11.75
70.167	0.00	0.73	10.896	O	|	|	|	|	12.00	75.333	0.00	0.72	10.586	O	|	|	|	|	11.75
70.250	0.00	0.73	10.891	O	|	|	|	|	11.99	75.417	0.00	0.72	10.581	O	|	|	|	|	11.75
70.333	0.00	0.73	10.886	O	|	|	|	|	11.99	75.500	0.00	0.72	10.576	O	|	|	|	|	11.74
70.417	0.00	0.73	10.881	O	|	|	|	|	11.99	75.583	0.00	0.72	10.571	O	|	|	|	|	11.74
70.500	0.00	0.73	10.876	O	|	|	|	|	11.98	75.667	0.00	0.72	10.566	O	|	|	|	|	11.73

75.750	0.00	0.72	10.561	O	|	|	|	|	11.73	80.917	0.00	0.71	10.256	O	|	|	|	|	11.49
75.833	0.00	0.72	10.556	O	|	|	|	|	11.73	81.000	0.00	0.71	10.251	O	|	|	|	|	11.48
75.917	0.00	0.72	10.551	O	|	|	|	|	11.72	81.083	0.00	0.71	10.247	O	|	|	|	|	11.48
76.000	0.00	0.72	10.547	O	|	|	|	|	11.72	81.167	0.00	0.71	10.242	O	|	|	|	|	11.47
76.083	0.00	0.72	10.542	O	|	|	|	|	11.71	81.250	0.00	0.71	10.237	O	|	|	|	|	11.47
76.167	0.00	0.72	10.537	O	|	|	|	|	11.71	81.333	0.00	0.71	10.232	O	|	|	|	|	11.47
76.250	0.00	0.72	10.532	O	|	|	|	|	11.71	81.417	0.00	0.71	10.227	O	|	|	|	|	11.46
76.333	0.00	0.72	10.527	O	|	|	|	|	11.70	81.500	0.00	0.71	10.222	O	|	|	|	|	11.46
76.417	0.00	0.72	10.522	O	|	|	|	|	11.70	81.583	0.00	0.71	10.217	O	|	|	|	|	11.45
76.500	0.00	0.72	10.517	O	|	|	|	|	11.69	81.667	0.00	0.71	10.212	O	|	|	|	|	11.45
76.583	0.00	0.72	10.512	O	|	|	|	|	11.69	81.750	0.00	0.71	10.208	O	|	|	|	|	11.45
76.667	0.00	0.72	10.507	O	|	|	|	|	11.69	81.833	0.00	0.71	10.203	O	|	|	|	|	11.44
76.750	0.00	0.72	10.502	O	|	|	|	|	11.68	81.917	0.00	0.71	10.198	O	|	|	|	|	11.44
76.833	0.00	0.72	10.497	O	|	|	|	|	11.68	82.000	0.00	0.71	10.193	O	|	|	|	|	11.44
76.917	0.00	0.72	10.492	O	|	|	|	|	11.67	82.083	0.00	0.71	10.188	O	|	|	|	|	11.43
77.000	0.00	0.72	10.487	O	|	|	|	|	11.67	82.167	0.00	0.71	10.183	O	|	|	|	|	11.43
77.083	0.00	0.72	10.482	O	|	|	|	|	11.67	82.250	0.00	0.71	10.178	O	|	|	|	|	11.42
77.167	0.00	0.72	10.477	O	|	|	|	|	11.66	82.333	0.00	0.71	10.173	O	|	|	|	|	11.42
77.250	0.00	0.72	10.472	O	|	|	|	|	11.66	82.417	0.00	0.71	10.169	O	|	|	|	|	11.42
77.333	0.00	0.72	10.467	O	|	|	|	|	11.66	82.500	0.00	0.71	10.164	O	|	|	|	|	11.41
77.417	0.00	0.72	10.463	O	|	|	|	|	11.65	82.583	0.00	0.71	10.159	O	|	|	|	|	11.41
77.500	0.00	0.72	10.458	O	|	|	|	|	11.65	82.667	0.00	0.71	10.154	O	|	|	|	|	11.40
77.583	0.00	0.72	10.453	O	|	|	|	|	11.64	82.750	0.00	0.71	10.149	O	|	|	|	|	11.40
77.667	0.00	0.72	10.448	O	|	|	|	|	11.64	82.833	0.00	0.71	10.144	O	|	|	|	|	11.40
77.750	0.00	0.72	10.443	O	|	|	|	|	11.64	82.917	0.00	0.71	10.139	O	|	|	|	|	11.39
77.833	0.00	0.72	10.438	O	|	|	|	|	11.63	83.000	0.00	0.71	10.135	O	|	|	|	|	11.39
77.917	0.00	0.72	10.433	O	|	|	|	|	11.63	83.083	0.00	0.71	10.130	O	|	|	|	|	11.38
78.000	0.00	0.71	10.428	O	|	|	|	|	11.62	83.167	0.00	0.71	10.125	O	|	|	|	|	11.38
78.083	0.00	0.71	10.423	O	|	|	|	|	11.62	83.250	0.00	0.71	10.120	O	|	|	|	|	11.38
78.167	0.00	0.71	10.418	O	|	|	|	|	11.62	83.333	0.00	0.70	10.115	O	|	|	|	|	11.37
78.250	0.00	0.71	10.413	O	|	|	|	|	11.61	83.417	0.00	0.70	10.110	O	|	|	|	|	11.37
78.333	0.00	0.71	10.408	O	|	|	|	|	11.61	83.500	0.00	0.70	10.105	O	|	|	|	|	11.36
78.417	0.00	0.71	10.403	O	|	|	|	|	11.60	83.583	0.00	0.70	10.101	O	|	|	|	|	11.36
78.500	0.00	0.71	10.398	O	|	|	|	|	11.60	83.667	0.00	0.70	10.096	O	|	|	|	|	11.36
78.583	0.00	0.71	10.394	O	|	|	|	|	11.60	83.750	0.00	0.70	10.091	O	|	|	|	|	11.35
78.667	0.00	0.71	10.389	O	|	|	|	|	11.59	83.833	0.00	0.70	10.086	O	|	|	|	|	11.35
78.750	0.00	0.71	10.384	O	|	|	|	|	11.59	83.917	0.00	0.70	10.081	O	|	|	|	|	11.35
78.833	0.00	0.71	10.379	O	|	|	|	|	11.58	84.000	0.00	0.70	10.076	O	|	|	|	|	11.34
78.917	0.00	0.71	10.374	O	|	|	|	|	11.58	84.083	0.00	0.70	10.071	O	|	|	|	|	11.34
79.000	0.00	0.71	10.369	O	|	|	|	|	11.58	84.167	0.00	0.70	10.067	O	|	|	|	|	11.33
79.083	0.00	0.71	10.364	O	|	|	|	|	11.57	84.250	0.00	0.70	10.062	O	|	|	|	|	11.33
79.167	0.00	0.71	10.359	O	|	|	|	|	11.57	84.333	0.00	0.70	10.057	O	|	|	|	|	11.33
79.250	0.00	0.71	10.354	O	|	|	|	|	11.56	84.417	0.00	0.70	10.052	O	|	|	|	|	11.32
79.333	0.00	0.71	10.349	O	|	|	|	|	11.56	84.500	0.00	0.70	10.047	O	|	|	|	|	11.32
79.417	0.00	0.71	10.344	O	|	|	|	|	11.56	84.583	0.00	0.70	10.042	O	|	|	|	|	11.31
79.500	0.00	0.71	10.340	O	|	|	|	|	11.55	84.667	0.00	0.70	10.038	O	|	|	|	|	11.31
79.583	0.00	0.71	10.335	O	|	|	|	|	11.55	84.750	0.00	0.70	10.033	O	|	|	|	|	11.31
79.667	0.00	0.71	10.330	O	|	|	|	|	11.54	84.833	0.00	0.70	10.028	O	|	|	|	|	11.30
79.750	0.00	0.71	10.325	O	|	|	|	|	11.54	84.917	0.00	0.70	10.023	O	|	|	|	|	11.30
79.833	0.00	0.71	10.320	O	|	|	|	|	11.54	85.000	0.00	0.70	10.018	O	|	|	|	|	11.30
79.917	0.00	0.71	10.315	O	|	|	|	|	11.53	85.083	0.00	0.70	10.013	O	|	|	|	|	11.29
80.000	0.00	0.71	10.310	O	|	|	|	|	11.53	85.167	0.00	0.70	10.009	O	|	|	|	|	11.29
80.083	0.00	0.71	10.305	O	|	|	|	|	11.53	85.250	0.00	0.70	10.004	O	|	|	|	|	11.28
80.167	0.00	0.71	10.300	O	|	|	|	|	11.52	85.333	0.00	0.70	9.999	O	|	|	|	|	11.28
80.250	0.00	0.71	10.295	O	|	|	|	|	11.52	85.417	0.00	0.70	9.994	O	|	|	|	|	11.28
80.333	0.00	0.71	10.291	O	|	|	|	|	11.51	85.500	0.00	0.70	9.989	O	|	|	|	|	11.27
80.417	0.00	0.71	10.286	O	|	|	|	|	11.51	85.583	0.00	0.70	9.984	O	|	|	|	|	11.27
80.500	0.00	0.71	10.281	O	|	|	|	|	11.51	85.667	0.00	0.70	9.980	O	|	|	|	|	11.26
80.583	0.00	0.71	10.276	O	|	|	|	|	11.50	85.750	0.00	0.70	9.975	O	|	|	|	|	11.26
80.667	0.00	0.71	10.271	O	|	|	|	|	11.50	85.833	0.00	0.70	9.970	O	|	|	|	|	11.26
80.750	0.00	0.71	10.266	O	|	|	|	|	11.49	85.917	0.00	0.70	9.965	O	|	|	|	|	11.25
80.833	0.00	0.71	10.261	O	|	|	|	|	11.49	86.000	0.00	0.70	9.960	O	|	|	|	|	11.25

86.083	0.00	0.70	9.955	O	|	|	|	|	11.24	91.250	0.00	0.69	9.659	O	|	|	|	|	11.01
86.167	0.00	0.70	9.951	O	|	|	|	|	11.24	91.333	0.00	0.69	9.654	O	|	|	|	|	11.00
86.250	0.00	0.70	9.946	O	|	|	|	|	11.24	91.417	0.00	0.69	9.649	O	|	|	|	|	11.00
86.333	0.00	0.70	9.941	O	|	|	|	|	11.23	91.500	0.00	0.69	9.644	O	|	|	|	|	11.00
86.417	0.00	0.70	9.936	O	|	|	|	|	11.23	91.583	0.00	0.69	9.640	O	|	|	|	|	10.99
86.500	0.00	0.70	9.931	O	|	|	|	|	11.23	91.667	0.00	0.69	9.635	O	|	|	|	|	10.99
86.583	0.00	0.70	9.927	O	|	|	|	|	11.22	91.750	0.00	0.69	9.630	O	|	|	|	|	10.98
86.667	0.00	0.70	9.922	O	|	|	|	|	11.22	91.833	0.00	0.69	9.625	O	|	|	|	|	10.98
86.750	0.00	0.70	9.917	O	|	|	|	|	11.21	91.917	0.00	0.69	9.621	O	|	|	|	|	10.98
86.833	0.00	0.70	9.912	O	|	|	|	|	11.21	92.000	0.00	0.69	9.616	O	|	|	|	|	10.97
86.917	0.00	0.70	9.907	O	|	|	|	|	11.21	92.083	0.00	0.69	9.611	O	|	|	|	|	10.97
87.000	0.00	0.70	9.903	O	|	|	|	|	11.20	92.167	0.00	0.69	9.606	O	|	|	|	|	10.96
87.083	0.00	0.70	9.898	O	|	|	|	|	11.20	92.250	0.00	0.69	9.602	O	|	|	|	|	10.96
87.167	0.00	0.70	9.893	O	|	|	|	|	11.19	92.333	0.00	0.69	9.597	O	|	|	|	|	10.96
87.250	0.00	0.70	9.888	O	|	|	|	|	11.19	92.417	0.00	0.69	9.592	O	|	|	|	|	10.95
87.333	0.00	0.70	9.883	O	|	|	|	|	11.19	92.500	0.00	0.69	9.587	O	|	|	|	|	10.95
87.417	0.00	0.70	9.879	O	|	|	|	|	11.18	92.583	0.00	0.69	9.583	O	|	|	|	|	10.94
87.500	0.00	0.70	9.874	O	|	|	|	|	11.18	92.667	0.00	0.69	9.578	O	|	|	|	|	10.94
87.583	0.00	0.70	9.869	O	|	|	|	|	11.18	92.750	0.00	0.69	9.573	O	|	|	|	|	10.94
87.667	0.00	0.70	9.864	O	|	|	|	|	11.17	92.833	0.00	0.69	9.569	O	|	|	|	|	10.93
87.750	0.00	0.70	9.859	O	|	|	|	|	11.17	92.917	0.00	0.69	9.564	O	|	|	|	|	10.93
87.833	0.00	0.70	9.855	O	|	|	|	|	11.16	93.000	0.00	0.69	9.559	O	|	|	|	|	10.92
87.917	0.00	0.70	9.850	O	|	|	|	|	11.16	93.083	0.00	0.69	9.554	O	|	|	|	|	10.92
88.000	0.00	0.70	9.845	O	|	|	|	|	11.16	93.167	0.00	0.69	9.550	O	|	|	|	|	10.92
88.083	0.00	0.70	9.840	O	|	|	|	|	11.15	93.250	0.00	0.69	9.545	O	|	|	|	|	10.91
88.167	0.00	0.70	9.835	O	|	|	|	|	11.15	93.333	0.00	0.69	9.540	O	|	|	|	|	10.91
88.250	0.00	0.70	9.831	O	|	|	|	|	11.14	93.417	0.00	0.69	9.535	O	|	|	|	|	10.90
88.333	0.00	0.70	9.826	O	|	|	|	|	11.14	93.500	0.00	0.69	9.531	O	|	|	|	|	10.90
88.417	0.00	0.70	9.821	O	|	|	|	|	11.14	93.583	0.00	0.69	9.526	O	|	|	|	|	10.90
88.500	0.00	0.70	9.816	O	|	|	|	|	11.13	93.667	0.00	0.69	9.521	O	|	|	|	|	10.89
88.583	0.00	0.70	9.811	O	|	|	|	|	11.13	93.750	0.00	0.69	9.516	O	|	|	|	|	10.89
88.667	0.00	0.70	9.807	O	|	|	|	|	11.13	93.833	0.00	0.69	9.512	O	|	|	|	|	10.88
88.750	0.00	0.69	9.802	O	|	|	|	|	11.12	93.917	0.00	0.69	9.507	O	|	|	|	|	10.88
88.833	0.00	0.69	9.797	O	|	|	|	|	11.12	94.000	0.00	0.69	9.502	O	|	|	|	|	10.88
88.917	0.00	0.69	9.792	O	|	|	|	|	11.11	94.083	0.00	0.69	9.498	O	|	|	|	|	10.87
89.000	0.00	0.69	9.787	O	|	|	|	|	11.11	94.167	0.00	0.69	9.493	O	|	|	|	|	10.87
89.083	0.00	0.69	9.783	O	|	|	|	|	11.11	94.250	0.00	0.69	9.488	O	|	|	|	|	10.87
89.167	0.00	0.69	9.778	O	|	|	|	|	11.10	94.333	0.00	0.69	9.483	O	|	|	|	|	10.86
89.250	0.00	0.69	9.773	O	|	|	|	|	11.10	94.417	0.00	0.69	9.479	O	|	|	|	|	10.86
89.333	0.00	0.69	9.768	O	|	|	|	|	11.09	94.500	0.00	0.69	9.474	O	|	|	|	|	10.85
89.417	0.00	0.69	9.764	O	|	|	|	|	11.09	94.583	0.00	0.69	9.469	O	|	|	|	|	10.85
89.500	0.00	0.69	9.759	O	|	|	|	|	11.09	94.667	0.00	0.69	9.465	O	|	|	|	|	10.85
89.583	0.00	0.69	9.754	O	|	|	|	|	11.08	94.750	0.00	0.69	9.460	O	|	|	|	|	10.84
89.667	0.00	0.69	9.749	O	|	|	|	|	11.08	94.833	0.00	0.69	9.455	O	|	|	|	|	10.84
89.750	0.00	0.69	9.744	O	|	|	|	|	11.08	94.917	0.00	0.69	9.450	O	|	|	|	|	10.83
89.833	0.00	0.69	9.740	O	|	|	|	|	11.07	95.000	0.00	0.68	9.446	O	|	|	|	|	10.83
89.917	0.00	0.69	9.735	O	|	|	|	|	11.07	95.083	0.00	0.68	9.441	O	|	|	|	|	10.83
90.000	0.00	0.69	9.730	O	|	|	|	|	11.06	95.167	0.00	0.68	9.436	O	|	|	|	|	10.82
90.083	0.00	0.69	9.725	O	|	|	|	|	11.06	95.250	0.00	0.68	9.431	O	|	|	|	|	10.82
90.167	0.00	0.69	9.721	O	|	|	|	|	11.06	95.333	0.00	0.68	9.427	O	|	|	|	|	10.81
90.250	0.00	0.69	9.716	O	|	|	|	|	11.05	95.417	0.00	0.68	9.422	O	|	|	|	|	10.81
90.333	0.00	0.69	9.711	O	|	|	|	|	11.05	95.500	0.00	0.68	9.417	O	|	|	|	|	10.81
90.417	0.00	0.69	9.706	O	|	|	|	|	11.05	95.583	0.00	0.68	9.413	O	|	|	|	|	10.80
90.500	0.00	0.69	9.702	O	|	|	|	|	11.04	95.667	0.00	0.68	9.408	O	|	|	|	|	10.80
90.583	0.00	0.69	9.697	O	|	|	|	|	11.04	95.750	0.00	0.68	9.403	O	|	|	|	|	10.79
90.667	0.00	0.69	9.692	O	|	|	|	|	11.03	95.833	0.00	0.68	9.398	O	|	|	|	|	10.79
90.750	0.00	0.69	9.687	O	|	|	|	|	11.03	95.917	0.00	0.68	9.394	O	|	|	|	|	10.79
90.833	0.00	0.69	9.682	O	|	|	|	|	11.03	96.000	0.00	0.68	9.389	O	|	|	|	|	10.78
90.917	0.00	0.69	9.678	O	|	|	|	|	11.02	96.083	0.00	0.68	9.384	O	|	|	|	|	10.78
91.000	0.00	0.69	9.673	O	|	|	|	|	11.02	96.167	0.00	0.68	9.380	O	|	|	|	|	10.78
91.083	0.00	0.69	9.668	O	|	|	|	|	11.01	96.250	0.00	0.68	9.375	O	|	|	|	|	10.77
91.167	0.00	0.69	9.663	O	|	|	|	|	11.01	96.333	0.00	0.68	9.370	O	|	|	|	|	10.77

96.417	0.00	0.68	9.366	O	|	|	|	|	10.76	101.583	0.00	0.68	9.076	O	|	|	|	|	10.52
96.500	0.00	0.68	9.361	O	|	|	|	|	10.76	101.667	0.00	0.68	9.071	O	|	|	|	|	10.52
96.583	0.00	0.68	9.356	O	|	|	|	|	10.76	101.750	0.00	0.68	9.066	O	|	|	|	|	10.51
96.667	0.00	0.68	9.351	O	|	|	|	|	10.75	101.833	0.00	0.68	9.062	O	|	|	|	|	10.51
96.750	0.00	0.68	9.347	O	|	|	|	|	10.75	101.917	0.00	0.68	9.057	O	|	|	|	|	10.51
96.833	0.00	0.68	9.342	O	|	|	|	|	10.74	102.000	0.00	0.68	9.052	O	|	|	|	|	10.50
96.917	0.00	0.68	9.337	O	|	|	|	|	10.74	102.083	0.00	0.67	9.048	O	|	|	|	|	10.50
97.000	0.00	0.68	9.333	O	|	|	|	|	10.74	102.167	0.00	0.67	9.043	O	|	|	|	|	10.49
97.083	0.00	0.68	9.328	O	|	|	|	|	10.73	102.250	0.00	0.67	9.038	O	|	|	|	|	10.49
97.167	0.00	0.68	9.323	O	|	|	|	|	10.73	102.333	0.00	0.67	9.034	O	|	|	|	|	10.49
97.250	0.00	0.68	9.319	O	|	|	|	|	10.72	102.417	0.00	0.67	9.029	O	|	|	|	|	10.48
97.333	0.00	0.68	9.314	O	|	|	|	|	10.72	102.500	0.00	0.67	9.024	O	|	|	|	|	10.48
97.417	0.00	0.68	9.309	O	|	|	|	|	10.72	102.583	0.00	0.67	9.020	O	|	|	|	|	10.48
97.500	0.00	0.68	9.304	O	|	|	|	|	10.71	102.667	0.00	0.67	9.015	O	|	|	|	|	10.47
97.583	0.00	0.68	9.300	O	|	|	|	|	10.71	102.750	0.00	0.67	9.010	O	|	|	|	|	10.47
97.667	0.00	0.68	9.295	O	|	|	|	|	10.70	102.833	0.00	0.67	9.006	O	|	|	|	|	10.46
97.750	0.00	0.68	9.290	O	|	|	|	|	10.70	102.917	0.00	0.67	9.001	O	|	|	|	|	10.46
97.833	0.00	0.68	9.286	O	|	|	|	|	10.70	103.000	0.00	0.67	8.997	O	|	|	|	|	10.46
97.917	0.00	0.68	9.281	O	|	|	|	|	10.69	103.083	0.00	0.67	8.992	O	|	|	|	|	10.45
98.000	0.00	0.68	9.276	O	|	|	|	|	10.69	103.167	0.00	0.67	8.987	O	|	|	|	|	10.45
98.083	0.00	0.68	9.272	O	|	|	|	|	10.69	103.250	0.00	0.67	8.983	O	|	|	|	|	10.44
98.167	0.00	0.68	9.267	O	|	|	|	|	10.68	103.333	0.00	0.67	8.978	O	|	|	|	|	10.44
98.250	0.00	0.68	9.262	O	|	|	|	|	10.68	103.417	0.00	0.67	8.973	O	|	|	|	|	10.44
98.333	0.00	0.68	9.258	O	|	|	|	|	10.67	103.500	0.00	0.67	8.969	O	|	|	|	|	10.43
98.417	0.00	0.68	9.253	O	|	|	|	|	10.67	103.583	0.00	0.67	8.964	O	|	|	|	|	10.43
98.500	0.00	0.68	9.248	O	|	|	|	|	10.67	103.667	0.00	0.67	8.959	O	|	|	|	|	10.43
98.583	0.00	0.68	9.244	O	|	|	|	|	10.66	103.750	0.00	0.67	8.955	O	|	|	|	|	10.42
98.667	0.00	0.68	9.239	O	|	|	|	|	10.66	103.833	0.00	0.67	8.950	O	|	|	|	|	10.42
98.750	0.00	0.68	9.234	O	|	|	|	|	10.65	103.917	0.00	0.67	8.946	O	|	|	|	|	10.41
98.833	0.00	0.68	9.230	O	|	|	|	|	10.65	104.000	0.00	0.67	8.941	O	|	|	|	|	10.41
98.917	0.00	0.68	9.225	O	|	|	|	|	10.65	104.083	0.00	0.67	8.936	O	|	|	|	|	10.41
99.000	0.00	0.68	9.220	O	|	|	|	|	10.64	104.167	0.00	0.67	8.932	O	|	|	|	|	10.40
99.083	0.00	0.68	9.215	O	|	|	|	|	10.64	104.250	0.00	0.67	8.927	O	|	|	|	|	10.40
99.167	0.00	0.68	9.211	O	|	|	|	|	10.63	104.333	0.00	0.67	8.922	O	|	|	|	|	10.39
99.250	0.00	0.68	9.206	O	|	|	|	|	10.63	104.417	0.00	0.67	8.918	O	|	|	|	|	10.39
99.333	0.00	0.68	9.201	O	|	|	|	|	10.63	104.500	0.00	0.67	8.913	O	|	|	|	|	10.39
99.417	0.00	0.68	9.197	O	|	|	|	|	10.62	104.583	0.00	0.67	8.909	O	|	|	|	|	10.38
99.500	0.00	0.68	9.192	O	|	|	|	|	10.62	104.667	0.00	0.67	8.904	O	|	|	|	|	10.38
99.583	0.00	0.68	9.187	O	|	|	|	|	10.62	104.750	0.00	0.67	8.899	O	|	|	|	|	10.38
99.667	0.00	0.68	9.183	O	|	|	|	|	10.61	104.833	0.00	0.67	8.895	O	|	|	|	|	10.37
99.750	0.00	0.68	9.178	O	|	|	|	|	10.61	104.917	0.00	0.67	8.890	O	|	|	|	|	10.37
99.833	0.00	0.68	9.173	O	|	|	|	|	10.60	105.000	0.00	0.67	8.885	O	|	|	|	|	10.36
99.917	0.00	0.68	9.169	O	|	|	|	|	10.60	105.083	0.00	0.67	8.881	O	|	|	|	|	10.36
100.000	0.00	0.68	9.164	O	|	|	|	|	10.60	105.167	0.00	0.67	8.876	O	|	|	|	|	10.36
100.083	0.00	0.68	9.159	O	|	|	|	|	10.59	105.250	0.00	0.67	8.872	O	|	|	|	|	10.35
100.167	0.00	0.68	9.155	O	|	|	|	|	10.59	105.333	0.00	0.67	8.867	O	|	|	|	|	10.35
100.250	0.00	0.68	9.150	O	|	|	|	|	10.58	105.417	0.00	0.67	8.862	O	|	|	|	|	10.34
100.333	0.00	0.68	9.145	O	|	|	|	|	10.58	105.500	0.00	0.67	8.858	O	|	|	|	|	10.34
100.417	0.00	0.68	9.141	O	|	|	|	|	10.58	105.583	0.00	0.67	8.853	O	|	|	|	|	10.34
100.500	0.00	0.68	9.136	O	|	|	|	|	10.57	105.667	0.00	0.67	8.848	O	|	|	|	|	10.33
100.583	0.00	0.68	9.131	O	|	|	|	|	10.57	105.750	0.00	0.67	8.844	O	|	|	|	|	10.33
100.667	0.00	0.68	9.127	O	|	|	|	|	10.56	105.833	0.00	0.67	8.839	O	|	|	|	|	10.33
100.750	0.00	0.68	9.122	O	|	|	|	|	10.56	105.917	0.00	0.67	8.835	O	|	|	|	|	10.32
100.833	0.00	0.68	9.117	O	|	|	|	|	10.56	106.000	0.00	0.67	8.830	O	|	|	|	|	10.32
100.917	0.00	0.68	9.113	O	|	|	|	|	10.55	106.083	0.00	0.67	8.825	O	|	|	|	|	10.31
101.000	0.00	0.68	9.108	O	|	|	|	|	10.55	106.167	0.00	0.67	8.821	O	|	|	|	|	10.31
101.083	0.00	0.68	9.103	O	|	|	|	|	10.55	106.250	0.00	0.67	8.816	O	|	|	|	|	10.31
101.167	0.00	0.68	9.099	O	|	|	|	|	10.54	106.333	0.00	0.67	8.812	O	|	|	|	|	10.30
101.250	0.00	0.68	9.094	O	|	|	|	|	10.54	106.417	0.00	0.67	8.807	O	|	|	|	|	10.30
101.333	0.00	0.68	9.089	O	|	|	|	|	10.53	106.500	0.00	0.67	8.802	O	|	|	|	|	10.29
101.417	0.00	0.68	9.085	O	|	|	|	|	10.53	106.583	0.00	0.67	8.798	O	|	|	|	|	10.29
101.500	0.00	0.68	9.080	O	|	|	|	|	10.53	106.667	0.00	0.67	8.793	O	|	|	|	|	10.29

106.750	0.00	0.67	8.789	O	|	|	|	|	10.28	111.917	0.00	0.66	8.505	O	|	|	|	|	10.05
106.833	0.00	0.67	8.784	O	|	|	|	|	10.28	112.000	0.00	0.66	8.500	O	|	|	|	|	10.04
106.917	0.00	0.67	8.779	O	|	|	|	|	10.28	112.083	0.00	0.66	8.495	O	|	|	|	|	10.04
107.000	0.00	0.67	8.775	O	|	|	|	|	10.27	112.167	0.00	0.66	8.491	O	|	|	|	|	10.04
107.083	0.00	0.67	8.770	O	|	|	|	|	10.27	112.250	0.00	0.66	8.486	O	|	|	|	|	10.03
107.167	0.00	0.67	8.766	O	|	|	|	|	10.26	112.333	0.00	0.66	8.482	O	|	|	|	|	10.03
107.250	0.00	0.67	8.761	O	|	|	|	|	10.26	112.417	0.00	0.66	8.477	O	|	|	|	|	10.02
107.333	0.00	0.67	8.756	O	|	|	|	|	10.26	112.500	0.00	0.66	8.473	O	|	|	|	|	10.02
107.417	0.00	0.67	8.752	O	|	|	|	|	10.25	112.583	0.00	0.66	8.468	O	|	|	|	|	10.02
107.500	0.00	0.67	8.747	O	|	|	|	|	10.25	112.667	0.00	0.66	8.464	O	|	|	|	|	10.01
107.583	0.00	0.67	8.743	O	|	|	|	|	10.25	112.750	0.00	0.66	8.459	O	|	|	|	|	10.01
107.667	0.00	0.67	8.738	O	|	|	|	|	10.24	112.833	0.00	0.66	8.455	O	|	|	|	|	10.01
107.750	0.00	0.67	8.733	O	|	|	|	|	10.24	112.917	0.00	0.66	8.450	O	|	|	|	|	10.00
107.833	0.00	0.67	8.729	O	|	|	|	|	10.23	113.000	0.00	0.66	8.445	O	|	|	|	|	10.00
107.917	0.00	0.67	8.724	O	|	|	|	|	10.23	113.083	0.00	0.66	8.441	O	|	|	|	|	9.99
108.000	0.00	0.67	8.720	O	|	|	|	|	10.23	113.167	0.00	0.66	8.436	O	|	|	|	|	9.99
108.083	0.00	0.67	8.715	O	|	|	|	|	10.22	113.250	0.00	0.66	8.432	O	|	|	|	|	9.99
108.167	0.00	0.67	8.710	O	|	|	|	|	10.22	113.333	0.00	0.66	8.427	O	|	|	|	|	9.98
108.250	0.00	0.67	8.706	O	|	|	|	|	10.21	113.417	0.00	0.66	8.423	O	|	|	|	|	9.98
108.333	0.00	0.67	8.701	O	|	|	|	|	10.21	113.500	0.00	0.66	8.418	O	|	|	|	|	9.97
108.417	0.00	0.67	8.697	O	|	|	|	|	10.21	113.583	0.00	0.66	8.414	O	|	|	|	|	9.97
108.500	0.00	0.67	8.692	O	|	|	|	|	10.20	113.667	0.00	0.66	8.409	O	|	|	|	|	9.97
108.583	0.00	0.67	8.687	O	|	|	|	|	10.20	113.750	0.00	0.66	8.405	O	|	|	|	|	9.96
108.667	0.00	0.67	8.683	O	|	|	|	|	10.20	113.833	0.00	0.66	8.400	O	|	|	|	|	9.96
108.750	0.00	0.67	8.678	O	|	|	|	|	10.19	113.917	0.00	0.66	8.396	O	|	|	|	|	9.95
108.833	0.00	0.67	8.674	O	|	|	|	|	10.19	114.000	0.00	0.66	8.391	O	|	|	|	|	9.95
108.917	0.00	0.67	8.669	O	|	|	|	|	10.18	114.083	0.00	0.66	8.386	O	|	|	|	|	9.95
109.000	0.00	0.67	8.665	O	|	|	|	|	10.18	114.167	0.00	0.66	8.382	O	|	|	|	|	9.94
109.083	0.00	0.67	8.660	O	|	|	|	|	10.18	114.250	0.00	0.66	8.377	O	|	|	|	|	9.94
109.167	0.00	0.67	8.655	O	|	|	|	|	10.17	114.333	0.00	0.66	8.373	O	|	|	|	|	9.93
109.250	0.00	0.67	8.651	O	|	|	|	|	10.17	114.417	0.00	0.66	8.368	O	|	|	|	|	9.93
109.333	0.00	0.66	8.646	O	|	|	|	|	10.16	114.500	0.00	0.66	8.364	O	|	|	|	|	9.93
109.417	0.00	0.66	8.642	O	|	|	|	|	10.16	114.583	0.00	0.66	8.359	O	|	|	|	|	9.92
109.500	0.00	0.66	8.637	O	|	|	|	|	10.16	114.667	0.00	0.66	8.355	O	|	|	|	|	9.92
109.583	0.00	0.66	8.632	O	|	|	|	|	10.15	114.750	0.00	0.66	8.350	O	|	|	|	|	9.91
109.667	0.00	0.66	8.628	O	|	|	|	|	10.15	114.833	0.00	0.66	8.346	O	|	|	|	|	9.91
109.750	0.00	0.66	8.623	O	|	|	|	|	10.15	114.917	0.00	0.66	8.341	O	|	|	|	|	9.91
109.833	0.00	0.66	8.619	O	|	|	|	|	10.14	115.000	0.00	0.66	8.337	O	|	|	|	|	9.90
109.917	0.00	0.66	8.614	O	|	|	|	|	10.14	115.083	0.00	0.66	8.332	O	|	|	|	|	9.90
110.000	0.00	0.66	8.610	O	|	|	|	|	10.13	115.167	0.00	0.66	8.328	O	|	|	|	|	9.89
110.083	0.00	0.66	8.605	O	|	|	|	|	10.13	115.250	0.00	0.66	8.323	O	|	|	|	|	9.89
110.167	0.00	0.66	8.600	O	|	|	|	|	10.13	115.333	0.00	0.66	8.319	O	|	|	|	|	9.89
110.250	0.00	0.66	8.596	O	|	|	|	|	10.12	115.417	0.00	0.66	8.314	O	|	|	|	|	9.88
110.333	0.00	0.66	8.591	O	|	|	|	|	10.12	115.500	0.00	0.66	8.309	O	|	|	|	|	9.88
110.417	0.00	0.66	8.587	O	|	|	|	|	10.12	115.583	0.00	0.66	8.305	O	|	|	|	|	9.87
110.500	0.00	0.66	8.582	O	|	|	|	|	10.11	115.667	0.00	0.66	8.300	O	|	|	|	|	9.87
110.583	0.00	0.66	8.578	O	|	|	|	|	10.11	115.750	0.00	0.66	8.296	O	|	|	|	|	9.87
110.667	0.00	0.66	8.573	O	|	|	|	|	10.10	115.833	0.00	0.66	8.291	O	|	|	|	|	9.86
110.750	0.00	0.66	8.568	O	|	|	|	|	10.10	115.917	0.00	0.66	8.287	O	|	|	|	|	9.86
110.833	0.00	0.66	8.564	O	|	|	|	|	10.10	116.000	0.00	0.66	8.282	O	|	|	|	|	9.85
110.917	0.00	0.66	8.559	O	|	|	|	|	10.09	116.083	0.00	0.66	8.278	O	|	|	|	|	9.85
111.000	0.00	0.66	8.555	O	|	|	|	|	10.09	116.167	0.00	0.66	8.273	O	|	|	|	|	9.85
111.083	0.00	0.66	8.550	O	|	|	|	|	10.09	116.250	0.00	0.66	8.269	O	|	|	|	|	9.84
111.167	0.00	0.66	8.546	O	|	|	|	|	10.08	116.333	0.00	0.66	8.264	O	|	|	|	|	9.84
111.250	0.00	0.66	8.541	O	|	|	|	|	10.08	116.417	0.00	0.66	8.260	O	|	|	|	|	9.83
111.333	0.00	0.66	8.537	O	|	|	|	|	10.07	116.500	0.00	0.65	8.255	O	|	|	|	|	9.83
111.417	0.00	0.66	8.532	O	|	|	|	|	10.07	116.583	0.00	0.65	8.251	O	|	|	|	|	9.83
111.500	0.00	0.66	8.527	O	|	|	|	|	10.07	116.667	0.00	0.65	8.246	O	|	|	|	|	9.82
111.583	0.00	0.66	8.523	O	|	|	|	|	10.06	116.750	0.00	0.65	8.242	O	|	|	|	|	9.82
111.667	0.00	0.66	8.518	O	|	|	|	|	10.06	116.833	0.00	0.65	8.237	O	|	|	|	|	9.81
111.750	0.00	0.66	8.514	O	|	|	|	|	10.05	116.917	0.00	0.65	8.233	O	|	|	|	|	9.81
111.833	0.00	0.66	8.509	O	|	|	|	|	10.05	117.000	0.00	0.65	8.228	O	|	|	|	|	9.81

117.083	0.00	0.65	8.224	O					9.80	122.250	0.00	0.65	7.946	O					9.56
117.167	0.00	0.65	8.219	O					9.80	122.333	0.00	0.65	7.942	O					9.55
117.250	0.00	0.65	8.215	O					9.79	122.417	0.00	0.65	7.937	O					9.55
117.333	0.00	0.65	8.210	O					9.79	122.500	0.00	0.65	7.933	O					9.54
117.417	0.00	0.65	8.206	O					9.79	122.583	0.00	0.65	7.928	O					9.54
117.500	0.00	0.65	8.201	O					9.78	122.667	0.00	0.65	7.924	O					9.54
117.583	0.00	0.65	8.197	O					9.78	122.750	0.00	0.65	7.919	O					9.53
117.667	0.00	0.65	8.192	O					9.77	122.833	0.00	0.65	7.915	O					9.53
117.750	0.00	0.65	8.188	O					9.77	122.917	0.00	0.65	7.910	O					9.52
117.833	0.00	0.65	8.183	O					9.77	123.000	0.00	0.65	7.906	O					9.52
117.917	0.00	0.65	8.179	O					9.76	123.083	0.00	0.65	7.902	O					9.52
118.000	0.00	0.65	8.174	O					9.76	123.167	0.00	0.65	7.897	O					9.51
118.083	0.00	0.65	8.170	O					9.75	123.250	0.00	0.65	7.893	O					9.51
118.167	0.00	0.65	8.165	O					9.75	123.333	0.00	0.65	7.888	O					9.50
118.250	0.00	0.65	8.161	O					9.75	123.417	0.00	0.65	7.884	O					9.50
118.333	0.00	0.65	8.156	O					9.74	123.500	0.00	0.64	7.879	O					9.50
118.417	0.00	0.65	8.152	O					9.74	123.583	0.00	0.64	7.875	O					9.49
118.500	0.00	0.65	8.147	O					9.73	123.667	0.00	0.64	7.870	O					9.49
118.583	0.00	0.65	8.143	O					9.73	123.750	0.00	0.64	7.866	O					9.48
118.667	0.00	0.65	8.138	O					9.73	123.833	0.00	0.64	7.862	O					9.48
118.750	0.00	0.65	8.134	O					9.72	123.917	0.00	0.64	7.857	O					9.48
118.833	0.00	0.65	8.129	O					9.72	124.000	0.00	0.64	7.853	O					9.47
118.917	0.00	0.65	8.125	O					9.71	124.083	0.00	0.64	7.848	O					9.47
119.000	0.00	0.65	8.120	O					9.71	124.167	0.00	0.64	7.844	O					9.47
119.083	0.00	0.65	8.116	O					9.71	124.250	0.00	0.64	7.839	O					9.46
119.167	0.00	0.65	8.111	O					9.70	124.333	0.00	0.64	7.835	O					9.46
119.250	0.00	0.65	8.107	O					9.70	124.417	0.00	0.64	7.831	O					9.45
119.333	0.00	0.65	8.102	O					9.69	124.500	0.00	0.64	7.826	O					9.45
119.417	0.00	0.65	8.098	O					9.69	124.583	0.00	0.64	7.822	O					9.45
119.500	0.00	0.65	8.093	O					9.69	124.667	0.00	0.64	7.817	O					9.44
119.583	0.00	0.65	8.089	O					9.68	124.750	0.00	0.64	7.813	O					9.44
119.667	0.00	0.65	8.084	O					9.68	124.833	0.00	0.64	7.808	O					9.43
119.750	0.00	0.65	8.080	O					9.67	124.917	0.00	0.64	7.804	O					9.43
119.833	0.00	0.65	8.076	O					9.67	125.000	0.00	0.64	7.800	O					9.43
119.917	0.00	0.65	8.071	O					9.67	125.083	0.00	0.64	7.795	O					9.42
120.000	0.00	0.65	8.067	O					9.66	125.167	0.00	0.64	7.791	O					9.42
120.083	0.00	0.65	8.062	O					9.66	125.250	0.00	0.64	7.786	O					9.41
120.167	0.00	0.65	8.058	O					9.65	125.333	0.00	0.64	7.782	O					9.41
120.250	0.00	0.65	8.053	O					9.65	125.417	0.00	0.64	7.777	O					9.41
120.333	0.00	0.65	8.049	O					9.65	125.500	0.00	0.64	7.773	O					9.40
120.417	0.00	0.65	8.044	O					9.64	125.583	0.00	0.64	7.769	O					9.40
120.500	0.00	0.65	8.040	O					9.64	125.667	0.00	0.64	7.764	O					9.39
120.583	0.00	0.65	8.035	O					9.63	125.750	0.00	0.64	7.760	O					9.39
120.667	0.00	0.65	8.031	O					9.63	125.833	0.00	0.64	7.755	O					9.39
120.750	0.00	0.65	8.026	O					9.63	125.917	0.00	0.64	7.751	O					9.38
120.833	0.00	0.65	8.022	O					9.62	126.000	0.00	0.64	7.746	O					9.38
120.917	0.00	0.65	8.017	O					9.62	126.083	0.00	0.64	7.742	O					9.38
121.000	0.00	0.65	8.013	O					9.61	126.167	0.00	0.64	7.738	O					9.37
121.083	0.00	0.65	8.008	O					9.61	126.250	0.00	0.64	7.733	O					9.37
121.167	0.00	0.65	8.004	O					9.61	126.333	0.00	0.64	7.729	O					9.36
121.250	0.00	0.65	8.000	O					9.60	126.417	0.00	0.64	7.724	O					9.36
121.333	0.00	0.65	7.995	O					9.60	126.500	0.00	0.64	7.720	O					9.36
121.417	0.00	0.65	7.991	O					9.60	126.583	0.00	0.64	7.716	O					9.35
121.500	0.00	0.65	7.986	O					9.59	126.667	0.00	0.64	7.711	O					9.35
121.583	0.00	0.65	7.982	O					9.59	126.750	0.00	0.64	7.707	O					9.34
121.667	0.00	0.65	7.977	O					9.58	126.833	0.00	0.64	7.702	O					9.34
121.750	0.00	0.65	7.973	O					9.58	126.917	0.00	0.64	7.698	O					9.34
121.833	0.00	0.65	7.968	O					9.58	127.000	0.00	0.64	7.694	O					9.33
121.917	0.00	0.65	7.964	O					9.57	127.083	0.00	0.64	7.689	O					9.33
122.000	0.00	0.65	7.959	O					9.57	127.167	0.00	0.64	7.685	O					9.32
122.083	0.00	0.65	7.955	O					9.56	127.250	0.00	0.64	7.680	O					9.32
122.167	0.00	0.65	7.950	O					9.56	127.333	0.00	0.64	7.676	O					9.32

127.417	0.00	0.64	7.671	O	|	|	|	|	9.31	132.583	0.00	0.63	7.400	O	|	|	|	|	9.07
127.500	0.00	0.64	7.667	O	|	|	|	|	9.31	132.667	0.00	0.63	7.396	O	|	|	|	|	9.07
127.583	0.00	0.64	7.663	O	|	|	|	|	9.31	132.750	0.00	0.63	7.391	O	|	|	|	|	9.06
127.667	0.00	0.64	7.658	O	|	|	|	|	9.30	132.833	0.00	0.63	7.387	O	|	|	|	|	9.06
127.750	0.00	0.64	7.654	O	|	|	|	|	9.30	132.917	0.00	0.63	7.383	O	|	|	|	|	9.06
127.833	0.00	0.64	7.649	O	|	|	|	|	9.29	133.000	0.00	0.63	7.378	O	|	|	|	|	9.05
127.917	0.00	0.64	7.645	O	|	|	|	|	9.29	133.083	0.00	0.63	7.374	O	|	|	|	|	9.05
128.000	0.00	0.64	7.641	O	|	|	|	|	9.29	133.167	0.00	0.63	7.370	O	|	|	|	|	9.05
128.083	0.00	0.64	7.636	O	|	|	|	|	9.28	133.250	0.00	0.63	7.365	O	|	|	|	|	9.04
128.167	0.00	0.64	7.632	O	|	|	|	|	9.28	133.333	0.00	0.63	7.361	O	|	|	|	|	9.04
128.250	0.00	0.64	7.627	O	|	|	|	|	9.27	133.417	0.00	0.63	7.357	O	|	|	|	|	9.03
128.333	0.00	0.64	7.623	O	|	|	|	|	9.27	133.500	0.00	0.63	7.352	O	|	|	|	|	9.03
128.417	0.00	0.64	7.619	O	|	|	|	|	9.27	133.583	0.00	0.63	7.348	O	|	|	|	|	9.03
128.500	0.00	0.64	7.614	O	|	|	|	|	9.26	133.667	0.00	0.63	7.343	O	|	|	|	|	9.02
128.583	0.00	0.64	7.610	O	|	|	|	|	9.26	133.750	0.00	0.63	7.339	O	|	|	|	|	9.02
128.667	0.00	0.64	7.606	O	|	|	|	|	9.25	133.833	0.00	0.63	7.335	O	|	|	|	|	9.01
128.750	0.00	0.64	7.601	O	|	|	|	|	9.25	133.917	0.00	0.63	7.330	O	|	|	|	|	9.01
128.833	0.00	0.64	7.597	O	|	|	|	|	9.25	134.000	0.00	0.63	7.326	O	|	|	|	|	9.01
128.917	0.00	0.64	7.592	O	|	|	|	|	9.24	134.083	0.00	0.63	7.322	O	|	|	|	|	9.00
129.000	0.00	0.64	7.588	O	|	|	|	|	9.24	134.167	0.00	0.63	7.317	O	|	|	|	|	9.00
129.083	0.00	0.64	7.584	O	|	|	|	|	9.24	134.250	0.00	0.63	7.313	O	|	|	|	|	9.00
129.167	0.00	0.64	7.579	O	|	|	|	|	9.23	134.333	0.00	0.63	7.309	O	|	|	|	|	8.99
129.250	0.00	0.64	7.575	O	|	|	|	|	9.23	134.417	0.00	0.63	7.304	O	|	|	|	|	8.99
129.333	0.00	0.64	7.570	O	|	|	|	|	9.22	134.500	0.00	0.63	7.300	O	|	|	|	|	8.98
129.417	0.00	0.64	7.566	O	|	|	|	|	9.22	134.583	0.00	0.63	7.296	O	|	|	|	|	8.98
129.500	0.00	0.64	7.562	O	|	|	|	|	9.22	134.667	0.00	0.63	7.291	O	|	|	|	|	8.97
129.583	0.00	0.64	7.557	O	|	|	|	|	9.21	134.750	0.00	0.63	7.287	O	|	|	|	|	8.97
129.667	0.00	0.64	7.553	O	|	|	|	|	9.21	134.833	0.00	0.63	7.283	O	|	|	|	|	8.97
129.750	0.00	0.64	7.548	O	|	|	|	|	9.20	134.917	0.00	0.63	7.278	O	|	|	|	|	8.96
129.833	0.00	0.64	7.544	O	|	|	|	|	9.20	135.000	0.00	0.63	7.274	O	|	|	|	|	8.96
129.917	0.00	0.64	7.540	O	|	|	|	|	9.20	135.083	0.00	0.63	7.270	O	|	|	|	|	8.95
130.000	0.00	0.64	7.535	O	|	|	|	|	9.19	135.167	0.00	0.63	7.265	O	|	|	|	|	8.95
130.083	0.00	0.64	7.531	O	|	|	|	|	9.19	135.250	0.00	0.63	7.261	O	|	|	|	|	8.95
130.167	0.00	0.64	7.527	O	|	|	|	|	9.18	135.333	0.00	0.63	7.257	O	|	|	|	|	8.94
130.250	0.00	0.64	7.522	O	|	|	|	|	9.18	135.417	0.00	0.63	7.252	O	|	|	|	|	8.94
130.333	0.00	0.64	7.518	O	|	|	|	|	9.18	135.500	0.00	0.63	7.248	O	|	|	|	|	8.93
130.417	0.00	0.64	7.513	O	|	|	|	|	9.17	135.583	0.00	0.63	7.244	O	|	|	|	|	8.93
130.500	0.00	0.64	7.509	O	|	|	|	|	9.17	135.667	0.00	0.63	7.240	O	|	|	|	|	8.93
130.583	0.00	0.63	7.505	O	|	|	|	|	9.17	135.750	0.00	0.63	7.235	O	|	|	|	|	8.92
130.667	0.00	0.63	7.500	O	|	|	|	|	9.16	135.833	0.00	0.63	7.231	O	|	|	|	|	8.92
130.750	0.00	0.63	7.496	O	|	|	|	|	9.16	135.917	0.00	0.63	7.227	O	|	|	|	|	8.91
130.833	0.00	0.63	7.492	O	|	|	|	|	9.15	136.000	0.00	0.63	7.222	O	|	|	|	|	8.91
130.917	0.00	0.63	7.487	O	|	|	|	|	9.15	136.083	0.00	0.63	7.218	O	|	|	|	|	8.91
131.000	0.00	0.63	7.483	O	|	|	|	|	9.15	136.167	0.00	0.63	7.214	O	|	|	|	|	8.90
131.083	0.00	0.63	7.478	O	|	|	|	|	9.14	136.250	0.00	0.63	7.209	O	|	|	|	|	8.90
131.167	0.00	0.63	7.474	O	|	|	|	|	9.14	136.333	0.00	0.63	7.205	O	|	|	|	|	8.89
131.250	0.00	0.63	7.470	O	|	|	|	|	9.13	136.417	0.00	0.63	7.201	O	|	|	|	|	8.89
131.333	0.00	0.63	7.465	O	|	|	|	|	9.13	136.500	0.00	0.63	7.196	O	|	|	|	|	8.89
131.417	0.00	0.63	7.461	O	|	|	|	|	9.13	136.583	0.00	0.63	7.192	O	|	|	|	|	8.88
131.500	0.00	0.63	7.457	O	|	|	|	|	9.12	136.667	0.00	0.63	7.188	O	|	|	|	|	8.88
131.583	0.00	0.63	7.452	O	|	|	|	|	9.12	136.750	0.00	0.62	7.183	O	|	|	|	|	8.87
131.667	0.00	0.63	7.448	O	|	|	|	|	9.11	136.833	0.00	0.62	7.179	O	|	|	|	|	8.87
131.750	0.00	0.63	7.444	O	|	|	|	|	9.11	136.917	0.00	0.62	7.175	O	|	|	|	|	8.87
131.833	0.00	0.63	7.439	O	|	|	|	|	9.11	137.000	0.00	0.62	7.171	O	|	|	|	|	8.86
131.917	0.00	0.63	7.435	O	|	|	|	|	9.10	137.083	0.00	0.62	7.166	O	|	|	|	|	8.86
132.000	0.00	0.63	7.430	O	|	|	|	|	9.10	137.167	0.00	0.62	7.162	O	|	|	|	|	8.85
132.083	0.00	0.63	7.426	O	|	|	|	|	9.10	137.250	0.00	0.62	7.158	O	|	|	|	|	8.85
132.167	0.00	0.63	7.422	O	|	|	|	|	9.09	137.333	0.00	0.62	7.153	O	|	|	|	|	8.84
132.250	0.00	0.63	7.417	O	|	|	|	|	9.09	137.417	0.00	0.62	7.149	O	|	|	|	|	8.84
132.333	0.00	0.63	7.413	O	|	|	|	|	9.08	137.500	0.00	0.62	7.145	O	|	|	|	|	8.84
132.417	0.00	0.63	7.409	O	|	|	|	|	9.08	137.583	0.00	0.62	7.140	O	|	|	|	|	8.83
132.500	0.00	0.63	7.404	O	|	|	|	|	9.08	137.667	0.00	0.62	7.136	O	|	|	|	|	8.83

137.750	0.00	0.62	7.132	O					8.82	142.917	0.00	0.61	6.868	O					8.58
137.833	0.00	0.62	7.128	O					8.82	143.000	0.00	0.61	6.864	O					8.57
137.917	0.00	0.62	7.123	O					8.82	143.083	0.00	0.61	6.860	O					8.57
138.000	0.00	0.62	7.119	O					8.81	143.167	0.00	0.61	6.855	O					8.56
138.083	0.00	0.62	7.115	O					8.81	143.250	0.00	0.61	6.851	O					8.56
138.167	0.00	0.62	7.110	O					8.80	143.333	0.00	0.61	6.847	O					8.56
138.250	0.00	0.62	7.106	O					8.80	143.417	0.00	0.61	6.843	O					8.55
138.333	0.00	0.62	7.102	O					8.80	143.500	0.00	0.61	6.838	O					8.55
138.417	0.00	0.62	7.098	O					8.79	143.583	0.00	0.61	6.834	O					8.54
138.500	0.00	0.62	7.093	O					8.79	143.667	0.00	0.61	6.830	O					8.54
138.583	0.00	0.62	7.089	O					8.78	143.750	0.00	0.61	6.826	O					8.54
138.667	0.00	0.62	7.085	O					8.78	143.833	0.00	0.61	6.822	O					8.53
138.750	0.00	0.62	7.080	O					8.78	143.917	0.00	0.61	6.817	O					8.53
138.833	0.00	0.62	7.076	O					8.77	144.000	0.00	0.61	6.813	O					8.52
138.917	0.00	0.62	7.072	O					8.77	144.083	0.00	0.61	6.809	O					8.52
139.000	0.00	0.62	7.068	O					8.76	144.167	0.00	0.61	6.805	O					8.52
139.083	0.00	0.62	7.063	O					8.76	144.250	0.00	0.61	6.801	O					8.51
139.167	0.00	0.62	7.059	O					8.76	144.333	0.00	0.61	6.796	O					8.51
139.250	0.00	0.62	7.055	O					8.75	144.417	0.00	0.61	6.792	O					8.50
139.333	0.00	0.62	7.051	O					8.75	144.500	0.00	0.61	6.788	O					8.50
139.417	0.00	0.62	7.046	O					8.74	144.583	0.00	0.61	6.784	O					8.50
139.500	0.00	0.62	7.042	O					8.74	144.667	0.00	0.61	6.780	O					8.49
139.583	0.00	0.62	7.038	O					8.74	144.750	0.00	0.61	6.775	O					8.49
139.667	0.00	0.62	7.034	O					8.73	144.833	0.00	0.61	6.771	O					8.48
139.750	0.00	0.62	7.029	O					8.73	144.917	0.00	0.61	6.767	O					8.48
139.833	0.00	0.62	7.025	O					8.72	145.000	0.00	0.61	6.763	O					8.48
139.917	0.00	0.62	7.021	O					8.72	145.083	0.00	0.61	6.759	O					8.47
140.000	0.00	0.62	7.016	O					8.72	145.167	0.00	0.61	6.754	O					8.47
140.083	0.00	0.62	7.012	O					8.71	145.250	0.00	0.61	6.750	O					8.46
140.167	0.00	0.62	7.008	O					8.71	145.333	0.00	0.61	6.746	O					8.46
140.250	0.00	0.62	7.004	O					8.70	145.417	0.00	0.61	6.742	O					8.46
140.333	0.00	0.62	6.999	O					8.70	145.500	0.00	0.61	6.738	O					8.45
140.417	0.00	0.62	6.995	O					8.70	145.583	0.00	0.61	6.733	O					8.45
140.500	0.00	0.62	6.991	O					8.69	145.667	0.00	0.61	6.729	O					8.45
140.583	0.00	0.62	6.987	O					8.69	145.750	0.00	0.61	6.725	O					8.44
140.667	0.00	0.62	6.982	O					8.68	145.833	0.00	0.61	6.721	O					8.44
140.750	0.00	0.62	6.978	O					8.68	145.917	0.00	0.61	6.717	O					8.43
140.833	0.00	0.62	6.974	O					8.68	146.000	0.00	0.61	6.713	O					8.43
140.917	0.00	0.62	6.970	O					8.67	146.083	0.00	0.61	6.708	O					8.43
141.000	0.00	0.62	6.965	O					8.67	146.167	0.00	0.61	6.704	O					8.42
141.083	0.00	0.62	6.961	O					8.66	146.250	0.00	0.61	6.700	O					8.42
141.167	0.00	0.62	6.957	O					8.66	146.333	0.00	0.61	6.696	O					8.41
141.250	0.00	0.62	6.953	O					8.66	146.417	0.00	0.61	6.692	O					8.41
141.333	0.00	0.62	6.948	O					8.65	146.500	0.00	0.61	6.687	O					8.41
141.417	0.00	0.62	6.944	O					8.65	146.583	0.00	0.61	6.683	O					8.40
141.500	0.00	0.62	6.940	O					8.64	146.667	0.00	0.61	6.679	O					8.40
141.583	0.00	0.62	6.936	O					8.64	146.750	0.00	0.61	6.675	O					8.39
141.667	0.00	0.62	6.931	O					8.64	146.833	0.00	0.61	6.671	O					8.39
141.750	0.00	0.62	6.927	O					8.63	146.917	0.00	0.61	6.667	O					8.39
141.833	0.00	0.62	6.923	O					8.63	147.000	0.00	0.61	6.662	O					8.38
141.917	0.00	0.61	6.919	O					8.62	147.083	0.00	0.61	6.658	O					8.38
142.000	0.00	0.61	6.915	O					8.62	147.167	0.00	0.60	6.654	O					8.37
142.083	0.00	0.61	6.910	O					8.62	147.250	0.00	0.60	6.650	O					8.37
142.167	0.00	0.61	6.906	O					8.61	147.333	0.00	0.60	6.646	O					8.37
142.250	0.00	0.61	6.902	O					8.61	147.417	0.00	0.60	6.642	O					8.36
142.333	0.00	0.61	6.898	O					8.60	147.500	0.00	0.60	6.637	O					8.36
142.417	0.00	0.61	6.893	O					8.60	147.583	0.00	0.60	6.633	O					8.35
142.500	0.00	0.61	6.889	O					8.60	147.667	0.00	0.60	6.629	O					8.35
142.583	0.00	0.61	6.885	O					8.59	147.750	0.00	0.60	6.625	O					8.35
142.667	0.00	0.61	6.881	O					8.59	147.833	0.00	0.60	6.621	O					8.34
142.750	0.00	0.61	6.876	O					8.58	147.917	0.00	0.60	6.617	O					8.34
142.833	0.00	0.61	6.872	O					8.58	148.000	0.00	0.60	6.612	O					8.34

148.083	0.00	0.60	6.608	O					8.33	153.250	0.00	0.59	6.353	O					8.09
148.167	0.00	0.60	6.604	O					8.33	153.333	0.00	0.59	6.349	O					8.09
148.250	0.00	0.60	6.600	O					8.32	153.417	0.00	0.59	6.345	O					8.08
148.333	0.00	0.60	6.596	O					8.32	153.500	0.00	0.59	6.341	O					8.08
148.417	0.00	0.60	6.592	O					8.32	153.583	0.00	0.59	6.336	O					8.07
148.500	0.00	0.60	6.588	O					8.31	153.667	0.00	0.59	6.332	O					8.07
148.583	0.00	0.60	6.583	O					8.31	153.750	0.00	0.59	6.328	O					8.07
148.667	0.00	0.60	6.579	O					8.30	153.833	0.00	0.59	6.324	O					8.06
148.750	0.00	0.60	6.575	O					8.30	153.917	0.00	0.59	6.320	O					8.06
148.833	0.00	0.60	6.571	O					8.30	154.000	0.00	0.59	6.316	O					8.06
148.917	0.00	0.60	6.567	O					8.29	154.083	0.00	0.59	6.312	O					8.05
149.000	0.00	0.60	6.563	O					8.29	154.167	0.00	0.59	6.308	O					8.05
149.083	0.00	0.60	6.559	O					8.28	154.250	0.00	0.59	6.304	O					8.04
149.167	0.00	0.60	6.554	O					8.28	154.333	0.00	0.59	6.300	O					8.04
149.250	0.00	0.60	6.550	O					8.28	154.417	0.00	0.59	6.296	O					8.04
149.333	0.00	0.60	6.546	O					8.27	154.500	0.00	0.59	6.292	O					8.03
149.417	0.00	0.60	6.542	O					8.27	154.583	0.00	0.59	6.288	O					8.03
149.500	0.00	0.60	6.538	O					8.26	154.667	0.00	0.59	6.283	O					8.02
149.583	0.00	0.60	6.534	O					8.26	154.750	0.00	0.59	6.279	O					8.02
149.667	0.00	0.60	6.530	O					8.26	154.833	0.00	0.59	6.275	O					8.02
149.750	0.00	0.60	6.525	O					8.25	154.917	0.00	0.59	6.271	O					8.01
149.833	0.00	0.60	6.521	O					8.25	155.000	0.00	0.59	6.267	O					8.01
149.917	0.00	0.60	6.517	O					8.25	155.083	0.00	0.59	6.263	O					8.01
150.000	0.00	0.60	6.513	O					8.24	155.167	0.00	0.59	6.259	O					8.00
150.083	0.00	0.60	6.509	O					8.24	155.250	0.00	0.59	6.255	O					8.00
150.167	0.00	0.60	6.505	O					8.23	155.333	0.00	0.59	6.251	O					7.99
150.250	0.00	0.60	6.501	O					8.23	155.417	0.00	0.59	6.247	O					7.99
150.333	0.00	0.60	6.497	O					8.23	155.500	0.00	0.59	6.243	O					7.99
150.417	0.00	0.60	6.492	O					8.22	155.583	0.00	0.59	6.239	O					7.98
150.500	0.00	0.60	6.488	O					8.22	155.667	0.00	0.59	6.235	O					7.98
150.583	0.00	0.60	6.484	O					8.21	155.750	0.00	0.59	6.231	O					7.97
150.667	0.00	0.60	6.480	O					8.21	155.833	0.00	0.59	6.227	O					7.97
150.750	0.00	0.60	6.476	O					8.21	155.917	0.00	0.59	6.223	O					7.97
150.833	0.00	0.60	6.472	O					8.20	156.000	0.00	0.59	6.218	O					7.96
150.917	0.00	0.60	6.468	O					8.20	156.083	0.00	0.59	6.214	O					7.96
151.000	0.00	0.60	6.464	O					8.19	156.167	0.00	0.59	6.210	O					7.95
151.083	0.00	0.60	6.459	O					8.19	156.250	0.00	0.59	6.206	O					7.95
151.167	0.00	0.60	6.455	O					8.19	156.333	0.00	0.59	6.202	O					7.94
151.250	0.00	0.60	6.451	O					8.18	156.417	0.00	0.59	6.198	O					7.94
151.333	0.00	0.60	6.447	O					8.18	156.500	0.00	0.59	6.194	O					7.94
151.417	0.00	0.60	6.443	O					8.18	156.583	0.00	0.59	6.190	O					7.93
151.500	0.00	0.60	6.439	O					8.17	156.667	0.00	0.59	6.186	O					7.93
151.583	0.00	0.60	6.435	O					8.17	156.750	0.00	0.59	6.182	O					7.92
151.667	0.00	0.60	6.431	O					8.16	156.833	0.00	0.59	6.178	O					7.92
151.750	0.00	0.60	6.427	O					8.16	156.917	0.00	0.59	6.174	O					7.92
151.833	0.00	0.60	6.422	O					8.16	157.000	0.00	0.59	6.170	O					7.91
151.917	0.00	0.60	6.418	O					8.15	157.083	0.00	0.59	6.166	O					7.91
152.000	0.00	0.60	6.414	O					8.15	157.167	0.00	0.59	6.162	O					7.90
152.083	0.00	0.60	6.410	O					8.14	157.250	0.00	0.59	6.158	O					7.90
152.167	0.00	0.60	6.406	O					8.14	157.333	0.00	0.59	6.154	O					7.90
152.250	0.00	0.60	6.402	O					8.14	157.417	0.00	0.59	6.150	O					7.89
152.333	0.00	0.60	6.398	O					8.13	157.500	0.00	0.59	6.146	O					7.89
152.417	0.00	0.60	6.394	O					8.13	157.583	0.00	0.59	6.142	O					7.88
152.500	0.00	0.60	6.390	O					8.13	157.667	0.00	0.59	6.138	O					7.88
152.583	0.00	0.59	6.386	O					8.12	157.750	0.00	0.59	6.134	O					7.88
152.667	0.00	0.59	6.381	O					8.12	157.833	0.00	0.58	6.130	O					7.87
152.750	0.00	0.59	6.377	O					8.11	157.917	0.00	0.58	6.126	O					7.87
152.833	0.00	0.59	6.373	O					8.11	158.000	0.00	0.58	6.122	O					7.86
152.917	0.00	0.59	6.369	O					8.11	158.083	0.00	0.58	6.118	O					7.86
153.000	0.00	0.59	6.365	O					8.10	158.167	0.00	0.58	6.113	O					7.86
153.083	0.00	0.59	6.361	O					8.10	158.250	0.00	0.58	6.109	O					7.85
153.167	0.00	0.59	6.357	O					8.09	158.333	0.00	0.58	6.105	O					7.85

158.417	0.00	0.58	6.101	O	|	|	|	|	7.84	163.583	0.00	0.57	5.854	O	|	|	|	|	7.59
158.500	0.00	0.58	6.097	O	|	|	|	|	7.84	163.667	0.00	0.57	5.850	O	|	|	|	|	7.59
158.583	0.00	0.58	6.093	O	|	|	|	|	7.84	163.750	0.00	0.57	5.846	O	|	|	|	|	7.59
158.667	0.00	0.58	6.089	O	|	|	|	|	7.83	163.833	0.00	0.57	5.842	O	|	|	|	|	7.58
158.750	0.00	0.58	6.085	O	|	|	|	|	7.83	163.917	0.00	0.57	5.839	O	|	|	|	|	7.58
158.833	0.00	0.58	6.081	O	|	|	|	|	7.82	164.000	0.00	0.57	5.835	O	|	|	|	|	7.58
158.917	0.00	0.58	6.077	O	|	|	|	|	7.82	164.083	0.00	0.57	5.831	O	|	|	|	|	7.57
159.000	0.00	0.58	6.073	O	|	|	|	|	7.82	164.167	0.00	0.57	5.827	O	|	|	|	|	7.57
159.083	0.00	0.58	6.069	O	|	|	|	|	7.81	164.250	0.00	0.57	5.823	O	|	|	|	|	7.56
159.167	0.00	0.58	6.065	O	|	|	|	|	7.81	164.333	0.00	0.57	5.819	O	|	|	|	|	7.56
159.250	0.00	0.58	6.061	O	|	|	|	|	7.80	164.417	0.00	0.57	5.815	O	|	|	|	|	7.56
159.333	0.00	0.58	6.057	O	|	|	|	|	7.80	164.500	0.00	0.57	5.811	O	|	|	|	|	7.55
159.417	0.00	0.58	6.053	O	|	|	|	|	7.80	164.583	0.00	0.57	5.807	O	|	|	|	|	7.55
159.500	0.00	0.58	6.049	O	|	|	|	|	7.79	164.667	0.00	0.57	5.803	O	|	|	|	|	7.54
159.583	0.00	0.58	6.045	O	|	|	|	|	7.79	164.750	0.00	0.57	5.799	O	|	|	|	|	7.54
159.667	0.00	0.58	6.041	O	|	|	|	|	7.78	164.833	0.00	0.57	5.795	O	|	|	|	|	7.54
159.750	0.00	0.58	6.037	O	|	|	|	|	7.78	164.917	0.00	0.57	5.791	O	|	|	|	|	7.53
159.833	0.00	0.58	6.033	O	|	|	|	|	7.77	165.000	0.00	0.57	5.787	O	|	|	|	|	7.53
159.917	0.00	0.58	6.029	O	|	|	|	|	7.77	165.083	0.00	0.57	5.783	O	|	|	|	|	7.52
160.000	0.00	0.58	6.025	O	|	|	|	|	7.77	165.167	0.00	0.57	5.779	O	|	|	|	|	7.52
160.083	0.00	0.58	6.021	O	|	|	|	|	7.76	165.250	0.00	0.57	5.775	O	|	|	|	|	7.52
160.167	0.00	0.58	6.017	O	|	|	|	|	7.76	165.333	0.00	0.57	5.772	O	|	|	|	|	7.51
160.250	0.00	0.58	6.013	O	|	|	|	|	7.75	165.417	0.00	0.57	5.768	O	|	|	|	|	7.51
160.333	0.00	0.58	6.009	O	|	|	|	|	7.75	165.500	0.00	0.57	5.764	O	|	|	|	|	7.50
160.417	0.00	0.58	6.005	O	|	|	|	|	7.75	165.583	0.00	0.57	5.760	O	|	|	|	|	7.50
160.500	0.00	0.58	6.001	O	|	|	|	|	7.74	165.667	0.00	0.57	5.756	O	|	|	|	|	7.50
160.583	0.00	0.58	5.997	O	|	|	|	|	7.74	165.750	0.00	0.57	5.752	O	|	|	|	|	7.49
160.667	0.00	0.58	5.993	O	|	|	|	|	7.73	165.833	0.00	0.57	5.748	O	|	|	|	|	7.49
160.750	0.00	0.58	5.989	O	|	|	|	|	7.73	165.917	0.00	0.57	5.744	O	|	|	|	|	7.48
160.833	0.00	0.58	5.985	O	|	|	|	|	7.73	166.000	0.00	0.57	5.740	O	|	|	|	|	7.48
160.917	0.00	0.58	5.981	O	|	|	|	|	7.72	166.083	0.00	0.57	5.736	O	|	|	|	|	7.48
161.000	0.00	0.58	5.977	O	|	|	|	|	7.72	166.167	0.00	0.57	5.732	O	|	|	|	|	7.47
161.083	0.00	0.58	5.973	O	|	|	|	|	7.71	166.250	0.00	0.57	5.728	O	|	|	|	|	7.47
161.167	0.00	0.58	5.969	O	|	|	|	|	7.71	166.333	0.00	0.57	5.724	O	|	|	|	|	7.46
161.250	0.00	0.58	5.965	O	|	|	|	|	7.71	166.417	0.00	0.57	5.721	O	|	|	|	|	7.46
161.333	0.00	0.58	5.961	O	|	|	|	|	7.70	166.500	0.00	0.57	5.717	O	|	|	|	|	7.46
161.417	0.00	0.58	5.957	O	|	|	|	|	7.70	166.583	0.00	0.57	5.713	O	|	|	|	|	7.45
161.500	0.00	0.58	5.953	O	|	|	|	|	7.69	166.667	0.00	0.57	5.709	O	|	|	|	|	7.45
161.583	0.00	0.58	5.949	O	|	|	|	|	7.69	166.750	0.00	0.57	5.705	O	|	|	|	|	7.44
161.667	0.00	0.58	5.945	O	|	|	|	|	7.69	166.833	0.00	0.57	5.701	O	|	|	|	|	7.44
161.750	0.00	0.58	5.942	O	|	|	|	|	7.68	166.917	0.00	0.57	5.697	O	|	|	|	|	7.44
161.833	0.00	0.58	5.938	O	|	|	|	|	7.68	167.000	0.00	0.57	5.693	O	|	|	|	|	7.43
161.917	0.00	0.58	5.934	O	|	|	|	|	7.67	167.083	0.00	0.57	5.689	O	|	|	|	|	7.43
162.000	0.00	0.58	5.930	O	|	|	|	|	7.67	167.167	0.00	0.57	5.685	O	|	|	|	|	7.42
162.083	0.00	0.58	5.926	O	|	|	|	|	7.67	167.250	0.00	0.57	5.681	O	|	|	|	|	7.42
162.167	0.00	0.58	5.922	O	|	|	|	|	7.66	167.333	0.00	0.57	5.678	O	|	|	|	|	7.42
162.250	0.00	0.58	5.918	O	|	|	|	|	7.66	167.417	0.00	0.57	5.674	O	|	|	|	|	7.41
162.333	0.00	0.58	5.914	O	|	|	|	|	7.65	167.500	0.00	0.57	5.670	O	|	|	|	|	7.41
162.417	0.00	0.58	5.910	O	|	|	|	|	7.65	167.583	0.00	0.57	5.666	O	|	|	|	|	7.41
162.500	0.00	0.58	5.906	O	|	|	|	|	7.65	167.667	0.00	0.57	5.662	O	|	|	|	|	7.40
162.583	0.00	0.58	5.902	O	|	|	|	|	7.64	167.750	0.00	0.57	5.658	O	|	|	|	|	7.40
162.667	0.00	0.58	5.898	O	|	|	|	|	7.64	167.833	0.00	0.57	5.654	O	|	|	|	|	7.39
162.750	0.00	0.58	5.894	O	|	|	|	|	7.63	167.917	0.00	0.57	5.650	O	|	|	|	|	7.39
162.833	0.00	0.58	5.890	O	|	|	|	|	7.63	168.000	0.00	0.57	5.646	O	|	|	|	|	7.39
162.917	0.00	0.58	5.886	O	|	|	|	|	7.63	168.083	0.00	0.57	5.642	O	|	|	|	|	7.38
163.000	0.00	0.57	5.882	O	|	|	|	|	7.62	168.167	0.00	0.57	5.639	O	|	|	|	|	7.38
163.083	0.00	0.57	5.878	O	|	|	|	|	7.62	168.250	0.00	0.56	5.635	O	|	|	|	|	7.37
163.167	0.00	0.57	5.874	O	|	|	|	|	7.61	168.333	0.00	0.56	5.631	O	|	|	|	|	7.37
163.250	0.00	0.57	5.870	O	|	|	|	|	7.61	168.417	0.00	0.56	5.627	O	|	|	|	|	7.37
163.333	0.00	0.57	5.866	O	|	|	|	|	7.61	168.500	0.00	0.56	5.623	O	|	|	|	|	7.36
163.417	0.00	0.57	5.862	O	|	|	|	|	7.60	168.583	0.00	0.56	5.619	O	|	|	|	|	7.36
163.500	0.00	0.57	5.858	O	|	|	|	|	7.60	168.667	0.00	0.56	5.615	O	|	|	|	|	7.35

168.750	0.00	0.56	5.611	O	|	|	|	|	7.35	173.917	0.00	0.55	5.373	O	|	|	|	|	7.11
168.833	0.00	0.56	5.608	O	|	|	|	|	7.35	174.000	0.00	0.55	5.369	O	|	|	|	|	7.11
168.917	0.00	0.56	5.604	O	|	|	|	|	7.34	174.083	0.00	0.55	5.365	O	|	|	|	|	7.10
169.000	0.00	0.56	5.600	O	|	|	|	|	7.34	174.167	0.00	0.55	5.361	O	|	|	|	|	7.10
169.083	0.00	0.56	5.596	O	|	|	|	|	7.33	174.250	0.00	0.55	5.357	O	|	|	|	|	7.09
169.167	0.00	0.56	5.592	O	|	|	|	|	7.33	174.333	0.00	0.55	5.354	O	|	|	|	|	7.09
169.250	0.00	0.56	5.588	O	|	|	|	|	7.33	174.417	0.00	0.55	5.350	O	|	|	|	|	7.09
169.333	0.00	0.56	5.584	O	|	|	|	|	7.32	174.500	0.00	0.55	5.346	O	|	|	|	|	7.08
169.417	0.00	0.56	5.580	O	|	|	|	|	7.32	174.583	0.00	0.55	5.342	O	|	|	|	|	7.08
169.500	0.00	0.56	5.576	O	|	|	|	|	7.32	174.667	0.00	0.55	5.338	O	|	|	|	|	7.08
169.583	0.00	0.56	5.573	O	|	|	|	|	7.31	174.750	0.00	0.55	5.334	O	|	|	|	|	7.07
169.667	0.00	0.56	5.569	O	|	|	|	|	7.31	174.833	0.00	0.55	5.331	O	|	|	|	|	7.07
169.750	0.00	0.56	5.565	O	|	|	|	|	7.30	174.917	0.00	0.55	5.327	O	|	|	|	|	7.06
169.833	0.00	0.56	5.561	O	|	|	|	|	7.30	175.000	0.00	0.55	5.323	O	|	|	|	|	7.06
169.917	0.00	0.56	5.557	O	|	|	|	|	7.30	175.083	0.00	0.55	5.319	O	|	|	|	|	7.06
170.000	0.00	0.56	5.553	O	|	|	|	|	7.29	175.167	0.00	0.55	5.315	O	|	|	|	|	7.05
170.083	0.00	0.56	5.549	O	|	|	|	|	7.29	175.250	0.00	0.55	5.312	O	|	|	|	|	7.05
170.167	0.00	0.56	5.546	O	|	|	|	|	7.28	175.333	0.00	0.55	5.308	O	|	|	|	|	7.05
170.250	0.00	0.56	5.542	O	|	|	|	|	7.28	175.417	0.00	0.55	5.304	O	|	|	|	|	7.04
170.333	0.00	0.56	5.538	O	|	|	|	|	7.28	175.500	0.00	0.55	5.300	O	|	|	|	|	7.04
170.417	0.00	0.56	5.534	O	|	|	|	|	7.27	175.583	0.00	0.55	5.296	O	|	|	|	|	7.03
170.500	0.00	0.56	5.530	O	|	|	|	|	7.27	175.667	0.00	0.55	5.293	O	|	|	|	|	7.03
170.583	0.00	0.56	5.526	O	|	|	|	|	7.26	175.750	0.00	0.55	5.289	O	|	|	|	|	7.03
170.667	0.00	0.56	5.522	O	|	|	|	|	7.26	175.833	0.00	0.55	5.285	O	|	|	|	|	7.02
170.750	0.00	0.56	5.518	O	|	|	|	|	7.26	175.917	0.00	0.55	5.281	O	|	|	|	|	7.02
170.833	0.00	0.56	5.515	O	|	|	|	|	7.25	176.000	0.00	0.55	5.277	O	|	|	|	|	7.01
170.917	0.00	0.56	5.511	O	|	|	|	|	7.25	176.083	0.00	0.55	5.274	O	|	|	|	|	7.01
171.000	0.00	0.56	5.507	O	|	|	|	|	7.25	176.167	0.00	0.55	5.270	O	|	|	|	|	7.01
171.083	0.00	0.56	5.503	O	|	|	|	|	7.24	176.250	0.00	0.55	5.266	O	|	|	|	|	7.00
171.167	0.00	0.56	5.499	O	|	|	|	|	7.24	176.333	0.00	0.55	5.262	O	|	|	|	|	7.00
171.250	0.00	0.56	5.495	O	|	|	|	|	7.23	176.417	0.00	0.55	5.259	O	|	|	|	|	7.00
171.333	0.00	0.56	5.491	O	|	|	|	|	7.23	176.500	0.00	0.55	5.255	O	|	|	|	|	6.99
171.417	0.00	0.56	5.488	O	|	|	|	|	7.23	176.583	0.00	0.55	5.251	O	|	|	|	|	6.99
171.500	0.00	0.56	5.484	O	|	|	|	|	7.22	176.667	0.00	0.55	5.247	O	|	|	|	|	6.98
171.583	0.00	0.56	5.480	O	|	|	|	|	7.22	176.750	0.00	0.55	5.243	O	|	|	|	|	6.98
171.667	0.00	0.56	5.476	O	|	|	|	|	7.21	176.833	0.00	0.55	5.240	O	|	|	|	|	6.97
171.750	0.00	0.56	5.472	O	|	|	|	|	7.21	176.917	0.00	0.55	5.236	O	|	|	|	|	6.97
171.833	0.00	0.56	5.468	O	|	|	|	|	7.21	177.000	0.00	0.55	5.232	O	|	|	|	|	6.97
171.917	0.00	0.56	5.465	O	|	|	|	|	7.20	177.083	0.00	0.55	5.228	O	|	|	|	|	6.96
172.000	0.00	0.56	5.461	O	|	|	|	|	7.20	177.167	0.00	0.55	5.225	O	|	|	|	|	6.96
172.083	0.00	0.56	5.457	O	|	|	|	|	7.20	177.250	0.00	0.55	5.221	O	|	|	|	|	6.95
172.167	0.00	0.56	5.453	O	|	|	|	|	7.19	177.333	0.00	0.55	5.217	O	|	|	|	|	6.95
172.250	0.00	0.56	5.449	O	|	|	|	|	7.19	177.417	0.00	0.55	5.213	O	|	|	|	|	6.95
172.333	0.00	0.56	5.445	O	|	|	|	|	7.18	177.500	0.00	0.55	5.209	O	|	|	|	|	6.94
172.417	0.00	0.56	5.442	O	|	|	|	|	7.18	177.583	0.00	0.55	5.206	O	|	|	|	|	6.94
172.500	0.00	0.56	5.438	O	|	|	|	|	7.18	177.667	0.00	0.55	5.202	O	|	|	|	|	6.93
172.583	0.00	0.56	5.434	O	|	|	|	|	7.17	177.750	0.00	0.55	5.198	O	|	|	|	|	6.93
172.667	0.00	0.56	5.430	O	|	|	|	|	7.17	177.833	0.00	0.55	5.194	O	|	|	|	|	6.93
172.750	0.00	0.56	5.426	O	|	|	|	|	7.16	177.917	0.00	0.55	5.191	O	|	|	|	|	6.92
172.833	0.00	0.56	5.422	O	|	|	|	|	7.16	178.000	0.00	0.55	5.187	O	|	|	|	|	6.92
172.917	0.00	0.56	5.419	O	|	|	|	|	7.16	178.083	0.00	0.55	5.183	O	|	|	|	|	6.91
173.000	0.00	0.56	5.415	O	|	|	|	|	7.15	178.167	0.00	0.55	5.179	O	|	|	|	|	6.91
173.083	0.00	0.56	5.411	O	|	|	|	|	7.15	178.250	0.00	0.55	5.176	O	|	|	|	|	6.91
173.167	0.00	0.56	5.407	O	|	|	|	|	7.14	178.333	0.00	0.55	5.172	O	|	|	|	|	6.90
173.250	0.00	0.56	5.403	O	|	|	|	|	7.14	178.417	0.00	0.55	5.168	O	|	|	|	|	6.90
173.333	0.00	0.56	5.399	O	|	|	|	|	7.14	178.500	0.00	0.55	5.164	O	|	|	|	|	6.89
173.417	0.00	0.56	5.396	O	|	|	|	|	7.13	178.583	0.00	0.55	5.160	O	|	|	|	|	6.89
173.500	0.00	0.56	5.392	O	|	|	|	|	7.13	178.667	0.00	0.55	5.157	O	|	|	|	|	6.89
173.583	0.00	0.56	5.388	O	|	|	|	|	7.13	178.750	0.00	0.55	5.153	O	|	|	|	|	6.88
173.667	0.00	0.55	5.384	O	|	|	|	|	7.12	178.833	0.00	0.55	5.149	O	|	|	|	|	6.88
173.750	0.00	0.55	5.380	O	|	|	|	|	7.12	178.917	0.00	0.54	5.145	O	|	|	|	|	6.87
173.833	0.00	0.55	5.376	O	|	|	|	|	7.11	179.000	0.00	0.54	5.142	O	|	|	|	|	6.87

179.083	0.00	0.54	5.138	O	|	|	|	|	6.87	184.250	0.00	0.53	4.908	O	|	|	|	|	6.62
179.167	0.00	0.54	5.134	O	|	|	|	|	6.86	184.333	0.00	0.53	4.904	O	|	|	|	|	6.61
179.250	0.00	0.54	5.130	O	|	|	|	|	6.86	184.417	0.00	0.53	4.900	O	|	|	|	|	6.61
179.333	0.00	0.54	5.127	O	|	|	|	|	6.85	184.500	0.00	0.53	4.896	O	|	|	|	|	6.61
179.417	0.00	0.54	5.123	O	|	|	|	|	6.85	184.583	0.00	0.53	4.893	O	|	|	|	|	6.60
179.500	0.00	0.54	5.119	O	|	|	|	|	6.85	184.667	0.00	0.53	4.889	O	|	|	|	|	6.60
179.583	0.00	0.54	5.115	O	|	|	|	|	6.84	184.750	0.00	0.53	4.885	O	|	|	|	|	6.59
179.667	0.00	0.54	5.112	O	|	|	|	|	6.84	184.833	0.00	0.53	4.882	O	|	|	|	|	6.59
179.750	0.00	0.54	5.108	O	|	|	|	|	6.83	184.917	0.00	0.53	4.878	O	|	|	|	|	6.59
179.833	0.00	0.54	5.104	O	|	|	|	|	6.83	185.000	0.00	0.53	4.874	O	|	|	|	|	6.58
179.917	0.00	0.54	5.100	O	|	|	|	|	6.83	185.083	0.00	0.53	4.871	O	|	|	|	|	6.58
180.000	0.00	0.54	5.097	O	|	|	|	|	6.82	185.167	0.00	0.53	4.867	O	|	|	|	|	6.57
180.083	0.00	0.54	5.093	O	|	|	|	|	6.82	185.250	0.00	0.53	4.863	O	|	|	|	|	6.57
180.167	0.00	0.54	5.089	O	|	|	|	|	6.81	185.333	0.00	0.53	4.860	O	|	|	|	|	6.57
180.250	0.00	0.54	5.086	O	|	|	|	|	6.81	185.417	0.00	0.53	4.856	O	|	|	|	|	6.56
180.333	0.00	0.54	5.082	O	|	|	|	|	6.81	185.500	0.00	0.53	4.852	O	|	|	|	|	6.56
180.417	0.00	0.54	5.078	O	|	|	|	|	6.80	185.583	0.00	0.53	4.849	O	|	|	|	|	6.55
180.500	0.00	0.54	5.074	O	|	|	|	|	6.80	185.667	0.00	0.53	4.845	O	|	|	|	|	6.55
180.583	0.00	0.54	5.071	O	|	|	|	|	6.79	185.750	0.00	0.53	4.841	O	|	|	|	|	6.55
180.667	0.00	0.54	5.067	O	|	|	|	|	6.79	185.833	0.00	0.53	4.838	O	|	|	|	|	6.54
180.750	0.00	0.54	5.063	O	|	|	|	|	6.79	185.917	0.00	0.53	4.834	O	|	|	|	|	6.54
180.833	0.00	0.54	5.059	O	|	|	|	|	6.78	186.000	0.00	0.53	4.830	O	|	|	|	|	6.53
180.917	0.00	0.54	5.056	O	|	|	|	|	6.78	186.083	0.00	0.53	4.827	O	|	|	|	|	6.53
181.000	0.00	0.54	5.052	O	|	|	|	|	6.77	186.167	0.00	0.53	4.823	O	|	|	|	|	6.53
181.083	0.00	0.54	5.048	O	|	|	|	|	6.77	186.250	0.00	0.53	4.819	O	|	|	|	|	6.52
181.167	0.00	0.54	5.045	O	|	|	|	|	6.77	186.333	0.00	0.53	4.816	O	|	|	|	|	6.52
181.250	0.00	0.54	5.041	O	|	|	|	|	6.76	186.417	0.00	0.53	4.812	O	|	|	|	|	6.52
181.333	0.00	0.54	5.037	O	|	|	|	|	6.76	186.500	0.00	0.53	4.808	O	|	|	|	|	6.51
181.417	0.00	0.54	5.033	O	|	|	|	|	6.75	186.583	0.00	0.53	4.805	O	|	|	|	|	6.51
181.500	0.00	0.54	5.030	O	|	|	|	|	6.75	186.667	0.00	0.53	4.801	O	|	|	|	|	6.50
181.583	0.00	0.54	5.026	O	|	|	|	|	6.75	186.750	0.00	0.53	4.798	O	|	|	|	|	6.50
181.667	0.00	0.54	5.022	O	|	|	|	|	6.74	186.833	0.00	0.53	4.794	O	|	|	|	|	6.50
181.750	0.00	0.54	5.018	O	|	|	|	|	6.74	186.917	0.00	0.53	4.790	O	|	|	|	|	6.49
181.833	0.00	0.54	5.015	O	|	|	|	|	6.73	187.000	0.00	0.53	4.787	O	|	|	|	|	6.49
181.917	0.00	0.54	5.011	O	|	|	|	|	6.73	187.083	0.00	0.53	4.783	O	|	|	|	|	6.48
182.000	0.00	0.54	5.007	O	|	|	|	|	6.73	187.167	0.00	0.53	4.779	O	|	|	|	|	6.48
182.083	0.00	0.54	5.004	O	|	|	|	|	6.72	187.250	0.00	0.53	4.776	O	|	|	|	|	6.48
182.167	0.00	0.54	5.000	O	|	|	|	|	6.72	187.333	0.00	0.53	4.772	O	|	|	|	|	6.47
182.250	0.00	0.54	4.996	O	|	|	|	|	6.71	187.417	0.00	0.53	4.768	O	|	|	|	|	6.47
182.333	0.00	0.54	4.993	O	|	|	|	|	6.71	187.500	0.00	0.53	4.765	O	|	|	|	|	6.46
182.417	0.00	0.54	4.989	O	|	|	|	|	6.71	187.583	0.00	0.53	4.761	O	|	|	|	|	6.46
182.500	0.00	0.54	4.985	O	|	|	|	|	6.70	187.667	0.00	0.53	4.757	O	|	|	|	|	6.46
182.583	0.00	0.54	4.981	O	|	|	|	|	6.70	187.750	0.00	0.53	4.754	O	|	|	|	|	6.45
182.667	0.00	0.54	4.978	O	|	|	|	|	6.69	187.833	0.00	0.53	4.750	O	|	|	|	|	6.45
182.750	0.00	0.54	4.974	O	|	|	|	|	6.69	187.917	0.00	0.53	4.747	O	|	|	|	|	6.44
182.833	0.00	0.54	4.970	O	|	|	|	|	6.69	188.000	0.00	0.53	4.743	O	|	|	|	|	6.44
182.917	0.00	0.54	4.967	O	|	|	|	|	6.68	188.083	0.00	0.53	4.739	O	|	|	|	|	6.44
183.000	0.00	0.54	4.963	O	|	|	|	|	6.68	188.167	0.00	0.53	4.736	O	|	|	|	|	6.43
183.083	0.00	0.54	4.959	O	|	|	|	|	6.67	188.250	0.00	0.53	4.732	O	|	|	|	|	6.43
183.167	0.00	0.54	4.955	O	|	|	|	|	6.67	188.333	0.00	0.53	4.728	O	|	|	|	|	6.43
183.250	0.00	0.54	4.952	O	|	|	|	|	6.67	188.417	0.00	0.53	4.725	O	|	|	|	|	6.42
183.333	0.00	0.54	4.948	O	|	|	|	|	6.66	188.500	0.00	0.53	4.721	O	|	|	|	|	6.42
183.417	0.00	0.54	4.944	O	|	|	|	|	6.66	188.583	0.00	0.53	4.717	O	|	|	|	|	6.41
183.500	0.00	0.54	4.941	O	|	|	|	|	6.65	188.667	0.00	0.53	4.714	O	|	|	|	|	6.41
183.583	0.00	0.54	4.937	O	|	|	|	|	6.65	188.750	0.00	0.53	4.710	O	|	|	|	|	6.41
183.667	0.00	0.54	4.933	O	|	|	|	|	6.65	188.833	0.00	0.53	4.707	O	|	|	|	|	6.40
183.750	0.00	0.54	4.930	O	|	|	|	|	6.64	188.917	0.00	0.53	4.703	O	|	|	|	|	6.40
183.833	0.00	0.54	4.926	O	|	|	|	|	6.64	189.000	0.00	0.53	4.699	O	|	|	|	|	6.39
183.917	0.00	0.54	4.922	O	|	|	|	|	6.63	189.083	0.00	0.53	4.696	O	|	|	|	|	6.39
184.000	0.00	0.54	4.919	O	|	|	|	|	6.63	189.167	0.00	0.53	4.692	O	|	|	|	|	6.39
184.083	0.00	0.54	4.915	O	|	|	|	|	6.63	189.250	0.00	0.53	4.689	O	|	|	|	|	6.38
184.167	0.00	0.53	4.911	O	|	|	|	|	6.62	189.333	0.00	0.53	4.685	O	|	|	|	|	6.38

189.417	0.00	0.52	4.681	O	|	|	|	|	6.37	194.583	0.00	0.52	4.459	O	|	|	|	|	6.14
189.500	0.00	0.52	4.678	O	|	|	|	|	6.37	194.667	0.00	0.52	4.456	O	|	|	|	|	6.13
189.583	0.00	0.52	4.674	O	|	|	|	|	6.37	194.750	0.00	0.52	4.452	O	|	|	|	|	6.13
189.667	0.00	0.52	4.670	O	|	|	|	|	6.36	194.833	0.00	0.51	4.449	O	|	|	|	|	6.12
189.750	0.00	0.52	4.667	O	|	|	|	|	6.36	194.917	0.00	0.51	4.445	O	|	|	|	|	6.12
189.833	0.00	0.52	4.663	O	|	|	|	|	6.36	195.000	0.00	0.51	4.441	O	|	|	|	|	6.12
189.917	0.00	0.52	4.660	O	|	|	|	|	6.35	195.083	0.00	0.51	4.438	O	|	|	|	|	6.11
190.000	0.00	0.52	4.656	O	|	|	|	|	6.35	195.167	0.00	0.51	4.434	O	|	|	|	|	6.11
190.083	0.00	0.52	4.652	O	|	|	|	|	6.34	195.250	0.00	0.51	4.431	O	|	|	|	|	6.11
190.167	0.00	0.52	4.649	O	|	|	|	|	6.34	195.333	0.00	0.51	4.427	O	|	|	|	|	6.10
190.250	0.00	0.52	4.645	O	|	|	|	|	6.34	195.417	0.00	0.51	4.424	O	|	|	|	|	6.10
190.333	0.00	0.52	4.642	O	|	|	|	|	6.33	195.500	0.00	0.51	4.420	O	|	|	|	|	6.09
190.417	0.00	0.52	4.638	O	|	|	|	|	6.33	195.583	0.00	0.51	4.417	O	|	|	|	|	6.09
190.500	0.00	0.52	4.634	O	|	|	|	|	6.32	195.667	0.00	0.51	4.413	O	|	|	|	|	6.09
190.583	0.00	0.52	4.631	O	|	|	|	|	6.32	195.750	0.00	0.51	4.410	O	|	|	|	|	6.08
190.667	0.00	0.52	4.627	O	|	|	|	|	6.32	195.833	0.00	0.51	4.406	O	|	|	|	|	6.08
190.750	0.00	0.52	4.624	O	|	|	|	|	6.31	195.917	0.00	0.51	4.402	O	|	|	|	|	6.07
190.833	0.00	0.52	4.620	O	|	|	|	|	6.31	196.000	0.00	0.51	4.399	O	|	|	|	|	6.07
190.917	0.00	0.52	4.616	O	|	|	|	|	6.30	196.083	0.00	0.51	4.395	O	|	|	|	|	6.07
191.000	0.00	0.52	4.613	O	|	|	|	|	6.30	196.167	0.00	0.51	4.392	O	|	|	|	|	6.06
191.083	0.00	0.52	4.609	O	|	|	|	|	6.30	196.250	0.00	0.51	4.388	O	|	|	|	|	6.06
191.167	0.00	0.52	4.606	O	|	|	|	|	6.29	196.333	0.00	0.51	4.385	O	|	|	|	|	6.06
191.250	0.00	0.52	4.602	O	|	|	|	|	6.29	196.417	0.00	0.51	4.381	O	|	|	|	|	6.05
191.333	0.00	0.52	4.598	O	|	|	|	|	6.29	196.500	0.00	0.51	4.378	O	|	|	|	|	6.05
191.417	0.00	0.52	4.595	O	|	|	|	|	6.28	196.583	0.00	0.51	4.374	O	|	|	|	|	6.04
191.500	0.00	0.52	4.591	O	|	|	|	|	6.28	196.667	0.00	0.51	4.371	O	|	|	|	|	6.04
191.583	0.00	0.52	4.588	O	|	|	|	|	6.27	196.750	0.00	0.51	4.367	O	|	|	|	|	6.04
191.667	0.00	0.52	4.584	O	|	|	|	|	6.27	196.833	0.00	0.51	4.364	O	|	|	|	|	6.03
191.750	0.00	0.52	4.580	O	|	|	|	|	6.27	196.917	0.00	0.51	4.360	O	|	|	|	|	6.03
191.833	0.00	0.52	4.577	O	|	|	|	|	6.26	197.000	0.00	0.51	4.357	O	|	|	|	|	6.03
191.917	0.00	0.52	4.573	O	|	|	|	|	6.26	197.083	0.00	0.51	4.353	O	|	|	|	|	6.02
192.000	0.00	0.52	4.570	O	|	|	|	|	6.25	197.167	0.00	0.51	4.350	O	|	|	|	|	6.02
192.083	0.00	0.52	4.566	O	|	|	|	|	6.25	197.250	0.00	0.51	4.346	O	|	|	|	|	6.01
192.167	0.00	0.52	4.563	O	|	|	|	|	6.25	197.333	0.00	0.51	4.343	O	|	|	|	|	6.01
192.250	0.00	0.52	4.559	O	|	|	|	|	6.24	197.417	0.00	0.51	4.339	O	|	|	|	|	6.01
192.333	0.00	0.52	4.555	O	|	|	|	|	6.24	197.500	0.00	0.51	4.336	O	|	|	|	|	6.00
192.417	0.00	0.52	4.552	O	|	|	|	|	6.24	197.583	0.00	0.51	4.332	O	|	|	|	|	6.00
192.500	0.00	0.52	4.548	O	|	|	|	|	6.23	197.667	0.00	0.51	4.329	O	|	|	|	|	5.99
192.583	0.00	0.52	4.545	O	|	|	|	|	6.23	197.750	0.00	0.51	4.325	O	|	|	|	|	5.99
192.667	0.00	0.52	4.541	O	|	|	|	|	6.22	197.833	0.00	0.51	4.322	O	|	|	|	|	5.99
192.750	0.00	0.52	4.538	O	|	|	|	|	6.22	197.917	0.00	0.51	4.318	O	|	|	|	|	5.98
192.833	0.00	0.52	4.534	O	|	|	|	|	6.22	198.000	0.00	0.51	4.314	O	|	|	|	|	5.98
192.917	0.00	0.52	4.530	O	|	|	|	|	6.21	198.083	0.00	0.51	4.311	O	|	|	|	|	5.97
193.000	0.00	0.52	4.527	O	|	|	|	|	6.21	198.167	0.00	0.51	4.307	O	|	|	|	|	5.97
193.083	0.00	0.52	4.523	O	|	|	|	|	6.20	198.250	0.00	0.51	4.304	O	|	|	|	|	5.97
193.167	0.00	0.52	4.520	O	|	|	|	|	6.20	198.333	0.00	0.51	4.300	O	|	|	|	|	5.96
193.250	0.00	0.52	4.516	O	|	|	|	|	6.20	198.417	0.00	0.51	4.297	O	|	|	|	|	5.96
193.333	0.00	0.52	4.513	O	|	|	|	|	6.19	198.500	0.00	0.51	4.293	O	|	|	|	|	5.95
193.417	0.00	0.52	4.509	O	|	|	|	|	6.19	198.583	0.00	0.51	4.290	O	|	|	|	|	5.95
193.500	0.00	0.52	4.505	O	|	|	|	|	6.19	198.667	0.00	0.51	4.286	O	|	|	|	|	5.95
193.583	0.00	0.52	4.502	O	|	|	|	|	6.18	198.750	0.00	0.51	4.283	O	|	|	|	|	5.94
193.667	0.00	0.52	4.498	O	|	|	|	|	6.18	198.833	0.00	0.51	4.279	O	|	|	|	|	5.94
193.750	0.00	0.52	4.495	O	|	|	|	|	6.17	198.917	0.00	0.51	4.276	O	|	|	|	|	5.93
193.833	0.00	0.52	4.491	O	|	|	|	|	6.17	199.000	0.00	0.51	4.272	O	|	|	|	|	5.93
193.917	0.00	0.52	4.488	O	|	|	|	|	6.17	199.083	0.00	0.51	4.269	O	|	|	|	|	5.93
194.000	0.00	0.52	4.484	O	|	|	|	|	6.16	199.167	0.00	0.51	4.266	O	|	|	|	|	5.92
194.083	0.00	0.52	4.480	O	|	|	|	|	6.16	199.250	0.00	0.51	4.262	O	|	|	|	|	5.92
194.167	0.00	0.52	4.477	O	|	|	|	|	6.15	199.333	0.00	0.51	4.259	O	|	|	|	|	5.91
194.250	0.00	0.52	4.473	O	|	|	|	|	6.15	199.417	0.00	0.51	4.255	O	|	|	|	|	5.91
194.333	0.00	0.52	4.470	O	|	|	|	|	6.15	199.500	0.00	0.51	4.252	O	|	|	|	|	5.91
194.417	0.00	0.52	4.466	O	|	|	|	|	6.14	199.583	0.00	0.51	4.248	O	|	|	|	|	5.90
194.500	0.00	0.52	4.463	O	|	|	|	|	6.14	199.667	0.00	0.51	4.245	O	|	|	|	|	5.90

199.750	0.00	0.51	4.241	O					5.89	204.917	0.00	0.50	4.027	O					5.65
199.833	0.00	0.51	4.238	O					5.89	205.000	0.00	0.50	4.024	O					5.64
199.917	0.00	0.51	4.234	O					5.89	205.083	0.00	0.50	4.020	O					5.64
200.000	0.00	0.51	4.231	O					5.88	205.167	0.00	0.50	4.017	O					5.64
200.083	0.00	0.51	4.227	O					5.88	205.250	0.00	0.50	4.014	O					5.63
200.167	0.00	0.50	4.224	O					5.87	205.333	0.00	0.50	4.010	O					5.63
200.250	0.00	0.50	4.220	O					5.87	205.417	0.00	0.49	4.007	O					5.62
200.333	0.00	0.50	4.217	O					5.87	205.500	0.00	0.49	4.003	O					5.62
200.417	0.00	0.50	4.213	O					5.86	205.583	0.00	0.49	4.000	O					5.62
200.500	0.00	0.50	4.210	O					5.86	205.667	0.00	0.49	3.997	O					5.61
200.583	0.00	0.50	4.206	O					5.85	205.750	0.00	0.49	3.993	O					5.61
200.667	0.00	0.50	4.203	O					5.85	205.833	0.00	0.49	3.990	O					5.60
200.750	0.00	0.50	4.199	O					5.85	205.917	0.00	0.49	3.986	O					5.60
200.833	0.00	0.50	4.196	O					5.84	206.000	0.00	0.49	3.983	O					5.60
200.917	0.00	0.50	4.192	O					5.84	206.083	0.00	0.49	3.980	O					5.59
201.000	0.00	0.50	4.189	O					5.83	206.167	0.00	0.49	3.976	O					5.59
201.083	0.00	0.50	4.186	O					5.83	206.250	0.00	0.49	3.973	O					5.58
201.167	0.00	0.50	4.182	O					5.83	206.333	0.00	0.49	3.969	O					5.58
201.250	0.00	0.50	4.179	O					5.82	206.417	0.00	0.49	3.966	O					5.58
201.333	0.00	0.50	4.175	O					5.82	206.500	0.00	0.49	3.963	O					5.57
201.417	0.00	0.50	4.172	O					5.81	206.583	0.00	0.49	3.959	O					5.57
201.500	0.00	0.50	4.168	O					5.81	206.667	0.00	0.49	3.956	O					5.57
201.583	0.00	0.50	4.165	O					5.81	206.750	0.00	0.49	3.952	O					5.56
201.667	0.00	0.50	4.161	O					5.80	206.833	0.00	0.49	3.949	O					5.56
201.750	0.00	0.50	4.158	O					5.80	206.917	0.00	0.49	3.946	O					5.55
201.833	0.00	0.50	4.154	O					5.79	207.000	0.00	0.49	3.942	O					5.55
201.917	0.00	0.50	4.151	O					5.79	207.083	0.00	0.49	3.939	O					5.55
202.000	0.00	0.50	4.147	O					5.79	207.167	0.00	0.49	3.935	O					5.54
202.083	0.00	0.50	4.144	O					5.78	207.250	0.00	0.49	3.932	O					5.54
202.167	0.00	0.50	4.141	O					5.78	207.333	0.00	0.49	3.929	O					5.53
202.250	0.00	0.50	4.137	O					5.77	207.417	0.00	0.49	3.925	O					5.53
202.333	0.00	0.50	4.134	O					5.77	207.500	0.00	0.49	3.922	O					5.53
202.417	0.00	0.50	4.130	O					5.77	207.583	0.00	0.49	3.919	O					5.52
202.500	0.00	0.50	4.127	O					5.76	207.667	0.00	0.49	3.915	O					5.52
202.583	0.00	0.50	4.123	O					5.76	207.750	0.00	0.49	3.912	O					5.51
202.667	0.00	0.50	4.120	O					5.75	207.833	0.00	0.49	3.908	O					5.51
202.750	0.00	0.50	4.116	O					5.75	207.917	0.00	0.49	3.905	O					5.51
202.833	0.00	0.50	4.113	O					5.75	208.000	0.00	0.49	3.902	O					5.50
202.917	0.00	0.50	4.110	O					5.74	208.083	0.00	0.49	3.898	O					5.50
203.000	0.00	0.50	4.106	O					5.74	208.167	0.00	0.49	3.895	O					5.50
203.083	0.00	0.50	4.103	O					5.73	208.250	0.00	0.49	3.892	O					5.49
203.167	0.00	0.50	4.099	O					5.73	208.333	0.00	0.49	3.888	O					5.49
203.250	0.00	0.50	4.096	O					5.73	208.417	0.00	0.49	3.885	O					5.48
203.333	0.00	0.50	4.092	O					5.72	208.500	0.00	0.49	3.881	O					5.48
203.417	0.00	0.50	4.089	O					5.72	208.583	0.00	0.49	3.878	O					5.48
203.500	0.00	0.50	4.085	O					5.71	208.667	0.00	0.49	3.875	O					5.47
203.583	0.00	0.50	4.082	O					5.71	208.750	0.00	0.49	3.871	O					5.47
203.667	0.00	0.50	4.079	O					5.71	208.833	0.00	0.49	3.868	O					5.46
203.750	0.00	0.50	4.075	O					5.70	208.917	0.00	0.49	3.865	O					5.46
203.833	0.00	0.50	4.072	O					5.70	209.000	0.00	0.49	3.861	O					5.46
203.917	0.00	0.50	4.068	O					5.70	209.083	0.00	0.49	3.858	O					5.45
204.000	0.00	0.50	4.065	O					5.69	209.167	0.00	0.49	3.854	O					5.45
204.083	0.00	0.50	4.061	O					5.69	209.250	0.00	0.49	3.851	O					5.44
204.167	0.00	0.50	4.058	O					5.68	209.333	0.00	0.49	3.848	O					5.44
204.250	0.00	0.50	4.055	O					5.68	209.417	0.00	0.49	3.844	O					5.44
204.333	0.00	0.50	4.051	O					5.68	209.500	0.00	0.49	3.841	O					5.43
204.417	0.00	0.50	4.048	O					5.67	209.583	0.00	0.49	3.838	O					5.43
204.500	0.00	0.50	4.044	O					5.67	209.667	0.00	0.49	3.834	O					5.43
204.583	0.00	0.50	4.041	O					5.66	209.750	0.00	0.49	3.831	O					5.42
204.667	0.00	0.50	4.038	O					5.66	209.833	0.00	0.49	3.828	O					5.42
204.750	0.00	0.50	4.034	O					5.66	209.917	0.00	0.49	3.824	O					5.41
204.833	0.00	0.50	4.031	O					5.65	210.000	0.00	0.49	3.821	O					5.41

210.083	0.00	0.49	3.818	O	|	|	|	|	5.41	215.250	0.00	0.48	3.612	O	|	|	|	|	5.17
210.167	0.00	0.49	3.814	O	|	|	|	|	5.40	215.333	0.00	0.48	3.609	O	|	|	|	|	5.17
210.250	0.00	0.49	3.811	O	|	|	|	|	5.40	215.417	0.00	0.48	3.605	O	|	|	|	|	5.16
210.333	0.00	0.49	3.808	O	|	|	|	|	5.39	215.500	0.00	0.48	3.602	O	|	|	|	|	5.16
210.417	0.00	0.49	3.804	O	|	|	|	|	5.39	215.583	0.00	0.48	3.599	O	|	|	|	|	5.15
210.500	0.00	0.49	3.801	O	|	|	|	|	5.39	215.667	0.00	0.48	3.596	O	|	|	|	|	5.15
210.583	0.00	0.49	3.797	O	|	|	|	|	5.38	215.750	0.00	0.48	3.592	O	|	|	|	|	5.15
210.667	0.00	0.49	3.794	O	|	|	|	|	5.38	215.833	0.00	0.48	3.589	O	|	|	|	|	5.14
210.750	0.00	0.49	3.791	O	|	|	|	|	5.38	215.917	0.00	0.48	3.586	O	|	|	|	|	5.14
210.833	0.00	0.48	3.787	O	|	|	|	|	5.37	216.000	0.00	0.48	3.582	O	|	|	|	|	5.14
210.917	0.00	0.48	3.784	O	|	|	|	|	5.37	216.083	0.00	0.48	3.579	O	|	|	|	|	5.13
211.000	0.00	0.48	3.781	O	|	|	|	|	5.36	216.167	0.00	0.48	3.576	O	|	|	|	|	5.13
211.083	0.00	0.48	3.777	O	|	|	|	|	5.36	216.250	0.00	0.47	3.573	O	|	|	|	|	5.12
211.167	0.00	0.48	3.774	O	|	|	|	|	5.36	216.333	0.00	0.47	3.569	O	|	|	|	|	5.12
211.250	0.00	0.48	3.771	O	|	|	|	|	5.35	216.417	0.00	0.47	3.566	O	|	|	|	|	5.12
211.333	0.00	0.48	3.767	O	|	|	|	|	5.35	216.500	0.00	0.47	3.563	O	|	|	|	|	5.11
211.417	0.00	0.48	3.764	O	|	|	|	|	5.34	216.583	0.00	0.47	3.560	O	|	|	|	|	5.11
211.500	0.00	0.48	3.761	O	|	|	|	|	5.34	216.667	0.00	0.47	3.556	O	|	|	|	|	5.11
211.583	0.00	0.48	3.757	O	|	|	|	|	5.34	216.750	0.00	0.47	3.553	O	|	|	|	|	5.10
211.667	0.00	0.48	3.754	O	|	|	|	|	5.33	216.833	0.00	0.47	3.550	O	|	|	|	|	5.10
211.750	0.00	0.48	3.751	O	|	|	|	|	5.33	216.917	0.00	0.47	3.547	O	|	|	|	|	5.09
211.833	0.00	0.48	3.747	O	|	|	|	|	5.33	217.000	0.00	0.47	3.543	O	|	|	|	|	5.09
211.917	0.00	0.48	3.744	O	|	|	|	|	5.32	217.083	0.00	0.47	3.540	O	|	|	|	|	5.09
212.000	0.00	0.48	3.741	O	|	|	|	|	5.32	217.167	0.00	0.47	3.537	O	|	|	|	|	5.08
212.083	0.00	0.48	3.738	O	|	|	|	|	5.31	217.250	0.00	0.47	3.533	O	|	|	|	|	5.08
212.167	0.00	0.48	3.734	O	|	|	|	|	5.31	217.333	0.00	0.47	3.530	O	|	|	|	|	5.08
212.250	0.00	0.48	3.731	O	|	|	|	|	5.31	217.417	0.00	0.47	3.527	O	|	|	|	|	5.07
212.333	0.00	0.48	3.728	O	|	|	|	|	5.30	217.500	0.00	0.47	3.524	O	|	|	|	|	5.07
212.417	0.00	0.48	3.724	O	|	|	|	|	5.30	217.583	0.00	0.47	3.520	O	|	|	|	|	5.06
212.500	0.00	0.48	3.721	O	|	|	|	|	5.29	217.667	0.00	0.47	3.517	O	|	|	|	|	5.06
212.583	0.00	0.48	3.718	O	|	|	|	|	5.29	217.750	0.00	0.47	3.514	O	|	|	|	|	5.06
212.667	0.00	0.48	3.714	O	|	|	|	|	5.29	217.833	0.00	0.47	3.511	O	|	|	|	|	5.05
212.750	0.00	0.48	3.711	O	|	|	|	|	5.28	217.917	0.00	0.47	3.507	O	|	|	|	|	5.05
212.833	0.00	0.48	3.708	O	|	|	|	|	5.28	218.000	0.00	0.47	3.504	O	|	|	|	|	5.05
212.917	0.00	0.48	3.704	O	|	|	|	|	5.28	218.083	0.00	0.47	3.501	O	|	|	|	|	5.04
213.000	0.00	0.48	3.701	O	|	|	|	|	5.27	218.167	0.00	0.47	3.498	O	|	|	|	|	5.04
213.083	0.00	0.48	3.698	O	|	|	|	|	5.27	218.250	0.00	0.47	3.494	O	|	|	|	|	5.03
213.167	0.00	0.48	3.694	O	|	|	|	|	5.26	218.333	0.00	0.47	3.491	O	|	|	|	|	5.03
213.250	0.00	0.48	3.691	O	|	|	|	|	5.26	218.417	0.00	0.47	3.488	O	|	|	|	|	5.03
213.333	0.00	0.48	3.688	O	|	|	|	|	5.26	218.500	0.00	0.47	3.485	O	|	|	|	|	5.02
213.417	0.00	0.48	3.684	O	|	|	|	|	5.25	218.583	0.00	0.47	3.481	O	|	|	|	|	5.02
213.500	0.00	0.48	3.681	O	|	|	|	|	5.25	218.667	0.00	0.47	3.478	O	|	|	|	|	5.02
213.583	0.00	0.48	3.678	O	|	|	|	|	5.25	218.750	0.00	0.47	3.475	O	|	|	|	|	5.01
213.667	0.00	0.48	3.675	O	|	|	|	|	5.24	218.833	0.00	0.47	3.472	O	|	|	|	|	5.01
213.750	0.00	0.48	3.671	O	|	|	|	|	5.24	218.917	0.00	0.47	3.469	O	|	|	|	|	5.00
213.833	0.00	0.48	3.668	O	|	|	|	|	5.23	219.000	0.00	0.47	3.465	O	|	|	|	|	5.00
213.917	0.00	0.48	3.665	O	|	|	|	|	5.23	219.083	0.00	0.47	3.462	O	|	|	|	|	5.00
214.000	0.00	0.48	3.661	O	|	|	|	|	5.23	219.167	0.00	0.47	3.459	O	|	|	|	|	4.99
214.083	0.00	0.48	3.658	O	|	|	|	|	5.22	219.250	0.00	0.47	3.456	O	|	|	|	|	4.99
214.167	0.00	0.48	3.655	O	|	|	|	|	5.22	219.333	0.00	0.47	3.452	O	|	|	|	|	4.98
214.250	0.00	0.48	3.651	O	|	|	|	|	5.21	219.417	0.00	0.47	3.449	O	|	|	|	|	4.98
214.333	0.00	0.48	3.648	O	|	|	|	|	5.21	219.500	0.00	0.47	3.446	O	|	|	|	|	4.98
214.417	0.00	0.48	3.645	O	|	|	|	|	5.21	219.583	0.00	0.47	3.443	O	|	|	|	|	4.97
214.500	0.00	0.48	3.642	O	|	|	|	|	5.20	219.667	0.00	0.47	3.439	O	|	|	|	|	4.97
214.583	0.00	0.48	3.638	O	|	|	|	|	5.20	219.750	0.00	0.47	3.436	O	|	|	|	|	4.96
214.667	0.00	0.48	3.635	O	|	|	|	|	5.20	219.833	0.00	0.47	3.433	O	|	|	|	|	4.96
214.750	0.00	0.48	3.632	O	|	|	|	|	5.19	219.917	0.00	0.47	3.430	O	|	|	|	|	4.96
214.833	0.00	0.48	3.628	O	|	|	|	|	5.19	220.000	0.00	0.47	3.427	O	|	|	|	|	4.95
214.917	0.00	0.48	3.625	O	|	|	|	|	5.18	220.083	0.00	0.47	3.423	O	|	|	|	|	4.95
215.000	0.00	0.48	3.622	O	|	|	|	|	5.18	220.167	0.00	0.47	3.420	O	|	|	|	|	4.94
215.083	0.00	0.48	3.619	O	|	|	|	|	5.18	220.250	0.00	0.47	3.417	O	|	|	|	|	4.94
215.167	0.00	0.48	3.615	O	|	|	|	|	5.17	220.333	0.00	0.47	3.414	O	|	|	|	|	4.94

220.417	0.00	0.47	3.410	O	|	|	|	|	4.93	225.583	0.00	0.45	3.214	O	|	|	|	|	4.69
220.500	0.00	0.47	3.407	O	|	|	|	|	4.93	225.667	0.00	0.45	3.211	O	|	|	|	|	4.69
220.583	0.00	0.47	3.404	O	|	|	|	|	4.92	225.750	0.00	0.45	3.208	O	|	|	|	|	4.68
220.667	0.00	0.47	3.401	O	|	|	|	|	4.92	225.833	0.00	0.45	3.204	O	|	|	|	|	4.68
220.750	0.00	0.47	3.398	O	|	|	|	|	4.92	225.917	0.00	0.45	3.201	O	|	|	|	|	4.67
220.833	0.00	0.47	3.394	O	|	|	|	|	4.91	226.000	0.00	0.45	3.198	O	|	|	|	|	4.67
220.917	0.00	0.47	3.391	O	|	|	|	|	4.91	226.083	0.00	0.45	3.195	O	|	|	|	|	4.67
221.000	0.00	0.47	3.388	O	|	|	|	|	4.90	226.167	0.00	0.45	3.192	O	|	|	|	|	4.66
221.083	0.00	0.47	3.385	O	|	|	|	|	4.90	226.250	0.00	0.45	3.189	O	|	|	|	|	4.66
221.167	0.00	0.46	3.382	O	|	|	|	|	4.90	226.333	0.00	0.45	3.186	O	|	|	|	|	4.65
221.250	0.00	0.46	3.378	O	|	|	|	|	4.89	226.417	0.00	0.45	3.183	O	|	|	|	|	4.65
221.333	0.00	0.46	3.375	O	|	|	|	|	4.89	226.500	0.00	0.45	3.179	O	|	|	|	|	4.65
221.417	0.00	0.46	3.372	O	|	|	|	|	4.88	226.583	0.00	0.45	3.176	O	|	|	|	|	4.64
221.500	0.00	0.46	3.369	O	|	|	|	|	4.88	226.667	0.00	0.45	3.173	O	|	|	|	|	4.64
221.583	0.00	0.46	3.366	O	|	|	|	|	4.88	226.750	0.00	0.45	3.170	O	|	|	|	|	4.64
221.667	0.00	0.46	3.362	O	|	|	|	|	4.87	226.833	0.00	0.45	3.167	O	|	|	|	|	4.63
221.750	0.00	0.46	3.359	O	|	|	|	|	4.87	226.917	0.00	0.45	3.164	O	|	|	|	|	4.63
221.833	0.00	0.46	3.356	O	|	|	|	|	4.87	227.000	0.00	0.45	3.161	O	|	|	|	|	4.62
221.917	0.00	0.46	3.353	O	|	|	|	|	4.86	227.083	0.00	0.45	3.158	O	|	|	|	|	4.62
222.000	0.00	0.46	3.350	O	|	|	|	|	4.86	227.167	0.00	0.45	3.155	O	|	|	|	|	4.62
222.083	0.00	0.46	3.346	O	|	|	|	|	4.85	227.250	0.00	0.45	3.151	O	|	|	|	|	4.61
222.167	0.00	0.46	3.343	O	|	|	|	|	4.85	227.333	0.00	0.45	3.148	O	|	|	|	|	4.61
222.250	0.00	0.46	3.340	O	|	|	|	|	4.85	227.417	0.00	0.45	3.145	O	|	|	|	|	4.60
222.333	0.00	0.46	3.337	O	|	|	|	|	4.84	227.500	0.00	0.45	3.142	O	|	|	|	|	4.60
222.417	0.00	0.46	3.334	O	|	|	|	|	4.84	227.583	0.00	0.45	3.139	O	|	|	|	|	4.60
222.500	0.00	0.46	3.331	O	|	|	|	|	4.83	227.667	0.00	0.45	3.136	O	|	|	|	|	4.59
222.583	0.00	0.46	3.327	O	|	|	|	|	4.83	227.750	0.00	0.45	3.133	O	|	|	|	|	4.59
222.667	0.00	0.46	3.324	O	|	|	|	|	4.83	227.833	0.00	0.45	3.130	O	|	|	|	|	4.59
222.750	0.00	0.46	3.321	O	|	|	|	|	4.82	227.917	0.00	0.45	3.127	O	|	|	|	|	4.58
222.833	0.00	0.46	3.318	O	|	|	|	|	4.82	228.000	0.00	0.45	3.124	O	|	|	|	|	4.58
222.917	0.00	0.46	3.315	O	|	|	|	|	4.81	228.083	0.00	0.45	3.121	O	|	|	|	|	4.57
223.000	0.00	0.46	3.311	O	|	|	|	|	4.81	228.167	0.00	0.45	3.117	O	|	|	|	|	4.57
223.083	0.00	0.46	3.308	O	|	|	|	|	4.81	228.250	0.00	0.45	3.114	O	|	|	|	|	4.57
223.167	0.00	0.46	3.305	O	|	|	|	|	4.80	228.333	0.00	0.45	3.111	O	|	|	|	|	4.56
223.250	0.00	0.46	3.302	O	|	|	|	|	4.80	228.417	0.00	0.45	3.108	O	|	|	|	|	4.56
223.333	0.00	0.46	3.299	O	|	|	|	|	4.79	228.500	0.00	0.45	3.105	O	|	|	|	|	4.55
223.417	0.00	0.46	3.296	O	|	|	|	|	4.79	228.583	0.00	0.45	3.102	O	|	|	|	|	4.55
223.500	0.00	0.46	3.292	O	|	|	|	|	4.79	228.667	0.00	0.45	3.099	O	|	|	|	|	4.55
223.583	0.00	0.46	3.289	O	|	|	|	|	4.78	228.750	0.00	0.45	3.096	O	|	|	|	|	4.54
223.667	0.00	0.46	3.286	O	|	|	|	|	4.78	228.833	0.00	0.45	3.093	O	|	|	|	|	4.54
223.750	0.00	0.46	3.283	O	|	|	|	|	4.77	228.917	0.00	0.45	3.090	O	|	|	|	|	4.54
223.833	0.00	0.46	3.280	O	|	|	|	|	4.77	229.000	0.00	0.45	3.087	O	|	|	|	|	4.53
223.917	0.00	0.46	3.277	O	|	|	|	|	4.77	229.083	0.00	0.45	3.084	O	|	|	|	|	4.53
224.000	0.00	0.46	3.274	O	|	|	|	|	4.76	229.167	0.00	0.45	3.080	O	|	|	|	|	4.52
224.083	0.00	0.46	3.270	O	|	|	|	|	4.76	229.250	0.00	0.45	3.077	O	|	|	|	|	4.52
224.167	0.00	0.46	3.267	O	|	|	|	|	4.76	229.333	0.00	0.45	3.074	O	|	|	|	|	4.52
224.250	0.00	0.46	3.264	O	|	|	|	|	4.75	229.417	0.00	0.45	3.071	O	|	|	|	|	4.51
224.333	0.00	0.46	3.261	O	|	|	|	|	4.75	229.500	0.00	0.45	3.068	O	|	|	|	|	4.51
224.417	0.00	0.46	3.258	O	|	|	|	|	4.74	229.583	0.00	0.45	3.065	O	|	|	|	|	4.51
224.500	0.00	0.46	3.255	O	|	|	|	|	4.74	229.667	0.00	0.45	3.062	O	|	|	|	|	4.50
224.583	0.00	0.46	3.251	O	|	|	|	|	4.74	229.750	0.00	0.44	3.059	O	|	|	|	|	4.50
224.667	0.00	0.46	3.248	O	|	|	|	|	4.73	229.833	0.00	0.44	3.056	O	|	|	|	|	4.49
224.750	0.00	0.46	3.245	O	|	|	|	|	4.73	229.917	0.00	0.44	3.053	O	|	|	|	|	4.49
224.833	0.00	0.46	3.242	O	|	|	|	|	4.72	230.000	0.00	0.44	3.050	O	|	|	|	|	4.49
224.917	0.00	0.46	3.239	O	|	|	|	|	4.72	230.083	0.00	0.44	3.047	O	|	|	|	|	4.48
225.000	0.00	0.46	3.236	O	|	|	|	|	4.72	230.167	0.00	0.44	3.044	O	|	|	|	|	4.48
225.083	0.00	0.46	3.233	O	|	|	|	|	4.71	230.250	0.00	0.44	3.041	O	|	|	|	|	4.47
225.167	0.00	0.46	3.229	O	|	|	|	|	4.71	230.333	0.00	0.44	3.038	O	|	|	|	|	4.47
225.250	0.00	0.46	3.226	O	|	|	|	|	4.70	230.417	0.00	0.44	3.034	O	|	|	|	|	4.47
225.333	0.00	0.46	3.223	O	|	|	|	|	4.70	230.500	0.00	0.44	3.031	O	|	|	|	|	4.46
225.417	0.00	0.45	3.220	O	|	|	|	|	4.70	230.583	0.00	0.44	3.028	O	|	|	|	|	4.46
225.500	0.00	0.45	3.217	O	|	|	|	|	4.69	230.667	0.00	0.44	3.025	O	|	|	|	|	4.46

230.750	0.00	0.44	3.022	O	|	|	|	|	4.45	235.917	0.00	0.43	2.836	O	|	|	|	|	4.22
230.833	0.00	0.44	3.019	O	|	|	|	|	4.45	236.000	0.00	0.43	2.833	O	|	|	|	|	4.22
230.917	0.00	0.44	3.016	O	|	|	|	|	4.44	236.083	0.00	0.43	2.830	O	|	|	|	|	4.21
231.000	0.00	0.44	3.013	O	|	|	|	|	4.44	236.167	0.00	0.43	2.827	O	|	|	|	|	4.21
231.083	0.00	0.44	3.010	O	|	|	|	|	4.44	236.250	0.00	0.43	2.824	O	|	|	|	|	4.21
231.167	0.00	0.44	3.007	O	|	|	|	|	4.43	236.333	0.00	0.43	2.821	O	|	|	|	|	4.20
231.250	0.00	0.44	3.004	O	|	|	|	|	4.43	236.417	0.00	0.43	2.818	O	|	|	|	|	4.20
231.333	0.00	0.44	3.001	O	|	|	|	|	4.43	236.500	0.00	0.43	2.815	O	|	|	|	|	4.20
231.417	0.00	0.44	2.998	O	|	|	|	|	4.42	236.583	0.00	0.43	2.812	O	|	|	|	|	4.19
231.500	0.00	0.44	2.995	O	|	|	|	|	4.42	236.667	0.00	0.43	2.809	O	|	|	|	|	4.19
231.583	0.00	0.44	2.992	O	|	|	|	|	4.41	236.750	0.00	0.43	2.806	O	|	|	|	|	4.18
231.667	0.00	0.44	2.989	O	|	|	|	|	4.41	236.833	0.00	0.43	2.803	O	|	|	|	|	4.18
231.750	0.00	0.44	2.986	O	|	|	|	|	4.41	236.917	0.00	0.43	2.800	O	|	|	|	|	4.18
231.833	0.00	0.44	2.983	O	|	|	|	|	4.40	237.000	0.00	0.43	2.797	O	|	|	|	|	4.17
231.917	0.00	0.44	2.980	O	|	|	|	|	4.40	237.083	0.00	0.43	2.794	O	|	|	|	|	4.17
232.000	0.00	0.44	2.977	O	|	|	|	|	4.40	237.167	0.00	0.43	2.791	O	|	|	|	|	4.17
232.083	0.00	0.44	2.974	O	|	|	|	|	4.39	237.250	0.00	0.43	2.788	O	|	|	|	|	4.16
232.167	0.00	0.44	2.971	O	|	|	|	|	4.39	237.333	0.00	0.43	2.785	O	|	|	|	|	4.16
232.250	0.00	0.44	2.968	O	|	|	|	|	4.38	237.417	0.00	0.43	2.783	O	|	|	|	|	4.16
232.333	0.00	0.44	2.965	O	|	|	|	|	4.38	237.500	0.00	0.43	2.780	O	|	|	|	|	4.15
232.417	0.00	0.44	2.962	O	|	|	|	|	4.38	237.583	0.00	0.43	2.777	O	|	|	|	|	4.15
232.500	0.00	0.44	2.959	O	|	|	|	|	4.37	237.667	0.00	0.43	2.774	O	|	|	|	|	4.14
232.583	0.00	0.44	2.956	O	|	|	|	|	4.37	237.750	0.00	0.43	2.771	O	|	|	|	|	4.14
232.667	0.00	0.44	2.953	O	|	|	|	|	4.37	237.833	0.00	0.43	2.768	O	|	|	|	|	4.14
232.750	0.00	0.44	2.950	O	|	|	|	|	4.36	237.917	0.00	0.43	2.765	O	|	|	|	|	4.13
232.833	0.00	0.44	2.946	O	|	|	|	|	4.36	238.000	0.00	0.43	2.762	O	|	|	|	|	4.13
232.917	0.00	0.44	2.943	O	|	|	|	|	4.35	238.083	0.00	0.43	2.759	O	|	|	|	|	4.13
233.000	0.00	0.44	2.940	O	|	|	|	|	4.35	238.167	0.00	0.43	2.756	O	|	|	|	|	4.12
233.083	0.00	0.44	2.937	O	|	|	|	|	4.35	238.250	0.00	0.43	2.753	O	|	|	|	|	4.12
233.167	0.00	0.44	2.934	O	|	|	|	|	4.34	238.333	0.00	0.43	2.750	O	|	|	|	|	4.12
233.250	0.00	0.44	2.931	O	|	|	|	|	4.34	238.417	0.00	0.43	2.747	O	|	|	|	|	4.11
233.333	0.00	0.44	2.928	O	|	|	|	|	4.34	238.500	0.00	0.43	2.744	O	|	|	|	|	4.11
233.417	0.00	0.44	2.925	O	|	|	|	|	4.33	238.583	0.00	0.43	2.741	O	|	|	|	|	4.10
233.500	0.00	0.44	2.922	O	|	|	|	|	4.33	238.667	0.00	0.43	2.738	O	|	|	|	|	4.10
233.583	0.00	0.44	2.919	O	|	|	|	|	4.32	238.750	0.00	0.42	2.736	O	|	|	|	|	4.10
233.667	0.00	0.44	2.916	O	|	|	|	|	4.32	238.833	0.00	0.42	2.733	O	|	|	|	|	4.09
233.750	0.00	0.44	2.913	O	|	|	|	|	4.32	238.917	0.00	0.42	2.730	O	|	|	|	|	4.09
233.833	0.00	0.44	2.910	O	|	|	|	|	4.31	239.000	0.00	0.42	2.727	O	|	|	|	|	4.09
233.917	0.00	0.44	2.907	O	|	|	|	|	4.31	239.083	0.00	0.42	2.724	O	|	|	|	|	4.08
234.000	0.00	0.44	2.904	O	|	|	|	|	4.31	239.167	0.00	0.42	2.721	O	|	|	|	|	4.08
234.083	0.00	0.44	2.901	O	|	|	|	|	4.30	239.250	0.00	0.42	2.718	O	|	|	|	|	4.08
234.167	0.00	0.43	2.898	O	|	|	|	|	4.30	239.333	0.00	0.42	2.715	O	|	|	|	|	4.07
234.250	0.00	0.43	2.895	O	|	|	|	|	4.30	239.417	0.00	0.42	2.712	O	|	|	|	|	4.07
234.333	0.00	0.43	2.892	O	|	|	|	|	4.29	239.500	0.00	0.42	2.709	O	|	|	|	|	4.06
234.417	0.00	0.43	2.889	O	|	|	|	|	4.29	239.583	0.00	0.42	2.706	O	|	|	|	|	4.06
234.500	0.00	0.43	2.886	O	|	|	|	|	4.28	239.667	0.00	0.42	2.703	O	|	|	|	|	4.06
234.583	0.00	0.43	2.883	O	|	|	|	|	4.28	239.750	0.00	0.42	2.701	O	|	|	|	|	4.05
234.667	0.00	0.43	2.880	O	|	|	|	|	4.28	239.833	0.00	0.42	2.698	O	|	|	|	|	4.05
234.750	0.00	0.43	2.877	O	|	|	|	|	4.27	239.917	0.00	0.42	2.695	O	|	|	|	|	4.05
234.833	0.00	0.43	2.874	O	|	|	|	|	4.27	240.000	0.00	0.42	2.692	O	|	|	|	|	4.04
234.917	0.00	0.43	2.871	O	|	|	|	|	4.27	240.083	0.00	0.42	2.689	O	|	|	|	|	4.04
235.000	0.00	0.43	2.869	O	|	|	|	|	4.26	240.167	0.00	0.42	2.686	O	|	|	|	|	4.04
235.083	0.00	0.43	2.866	O	|	|	|	|	4.26	240.250	0.00	0.42	2.683	O	|	|	|	|	4.03
235.167	0.00	0.43	2.863	O	|	|	|	|	4.25	240.333	0.00	0.42	2.680	O	|	|	|	|	4.03
235.250	0.00	0.43	2.860	O	|	|	|	|	4.25	240.417	0.00	0.42	2.677	O	|	|	|	|	4.03
235.333	0.00	0.43	2.857	O	|	|	|	|	4.25	240.500	0.00	0.42	2.674	O	|	|	|	|	4.02
235.417	0.00	0.43	2.854	O	|	|	|	|	4.24	240.583	0.00	0.42	2.671	O	|	|	|	|	4.02
235.500	0.00	0.43	2.851	O	|	|	|	|	4.24	240.667	0.00	0.42	2.669	O	|	|	|	|	4.01
235.583	0.00	0.43	2.848	O	|	|	|	|	4.24	240.750	0.00	0.42	2.666	O	|	|	|	|	4.01
235.667	0.00	0.43	2.845	O	|	|	|	|	4.23	240.833	0.00	0.42	2.663	O	|	|	|	|	4.01
235.750	0.00	0.43	2.842	O	|	|	|	|	4.23	240.917	0.00	0.42	2.660	O	|	|	|	|	4.00
235.833	0.00	0.43	2.839	O	|	|	|	|	4.22	241.000	0.00	0.42	2.657	O	|	|	|	|	4.00

241.083	0.00	0.42	2.654	O	|	|	|	|	4.00	246.250	0.00	0.41	2.478	O	|	|	|	|	3.76
241.167	0.00	0.42	2.651	O	|	|	|	|	3.99	246.333	0.00	0.41	2.475	O	|	|	|	|	3.76
241.250	0.00	0.42	2.648	O	|	|	|	|	3.99	246.417	0.00	0.41	2.472	O	|	|	|	|	3.75
241.333	0.00	0.42	2.645	O	|	|	|	|	3.98	246.500	0.00	0.40	2.470	O	|	|	|	|	3.75
241.417	0.00	0.42	2.643	O	|	|	|	|	3.98	246.583	0.00	0.40	2.467	O	|	|	|	|	3.75
241.500	0.00	0.42	2.640	O	|	|	|	|	3.98	246.667	0.00	0.40	2.464	O	|	|	|	|	3.74
241.583	0.00	0.42	2.637	O	|	|	|	|	3.97	246.750	0.00	0.40	2.461	O	|	|	|	|	3.74
241.667	0.00	0.42	2.634	O	|	|	|	|	3.97	246.833	0.00	0.40	2.458	O	|	|	|	|	3.73
241.750	0.00	0.42	2.631	O	|	|	|	|	3.97	246.917	0.00	0.40	2.456	O	|	|	|	|	3.73
241.833	0.00	0.42	2.628	O	|	|	|	|	3.96	247.000	0.00	0.40	2.453	O	|	|	|	|	3.73
241.917	0.00	0.42	2.625	O	|	|	|	|	3.96	247.083	0.00	0.40	2.450	O	|	|	|	|	3.72
242.000	0.00	0.42	2.622	O	|	|	|	|	3.95	247.167	0.00	0.40	2.447	O	|	|	|	|	3.72
242.083	0.00	0.42	2.620	O	|	|	|	|	3.95	247.250	0.00	0.40	2.444	O	|	|	|	|	3.72
242.167	0.00	0.42	2.617	O	|	|	|	|	3.95	247.333	0.00	0.40	2.442	O	|	|	|	|	3.71
242.250	0.00	0.42	2.614	O	|	|	|	|	3.94	247.417	0.00	0.40	2.439	O	|	|	|	|	3.71
242.333	0.00	0.42	2.611	O	|	|	|	|	3.94	247.500	0.00	0.40	2.436	O	|	|	|	|	3.71
242.417	0.00	0.42	2.608	O	|	|	|	|	3.93	247.583	0.00	0.40	2.433	O	|	|	|	|	3.70
242.500	0.00	0.42	2.605	O	|	|	|	|	3.93	247.667	0.00	0.40	2.431	O	|	|	|	|	3.70
242.583	0.00	0.42	2.602	O	|	|	|	|	3.93	247.750	0.00	0.40	2.428	O	|	|	|	|	3.69
242.667	0.00	0.42	2.599	O	|	|	|	|	3.92	247.833	0.00	0.40	2.425	O	|	|	|	|	3.69
242.750	0.00	0.42	2.597	O	|	|	|	|	3.92	247.917	0.00	0.40	2.422	O	|	|	|	|	3.69
242.833	0.00	0.41	2.594	O	|	|	|	|	3.92	248.000	0.00	0.40	2.420	O	|	|	|	|	3.68
242.917	0.00	0.41	2.591	O	|	|	|	|	3.91	248.083	0.00	0.40	2.417	O	|	|	|	|	3.68
243.000	0.00	0.41	2.588	O	|	|	|	|	3.91	248.167	0.00	0.40	2.414	O	|	|	|	|	3.68
243.083	0.00	0.41	2.585	O	|	|	|	|	3.90	248.250	0.00	0.40	2.411	O	|	|	|	|	3.67
243.167	0.00	0.41	2.582	O	|	|	|	|	3.90	248.333	0.00	0.40	2.409	O	|	|	|	|	3.67
243.250	0.00	0.41	2.579	O	|	|	|	|	3.90	248.417	0.00	0.40	2.406	O	|	|	|	|	3.66
243.333	0.00	0.41	2.577	O	|	|	|	|	3.89	248.500	0.00	0.40	2.403	O	|	|	|	|	3.66
243.417	0.00	0.41	2.574	O	|	|	|	|	3.89	248.583	0.00	0.40	2.400	O	|	|	|	|	3.66
243.500	0.00	0.41	2.571	O	|	|	|	|	3.89	248.667	0.00	0.40	2.398	O	|	|	|	|	3.65
243.583	0.00	0.41	2.568	O	|	|	|	|	3.88	248.750	0.00	0.40	2.395	O	|	|	|	|	3.65
243.667	0.00	0.41	2.565	O	|	|	|	|	3.88	248.833	0.00	0.40	2.392	O	|	|	|	|	3.65
243.750	0.00	0.41	2.562	O	|	|	|	|	3.87	248.917	0.00	0.40	2.389	O	|	|	|	|	3.64
243.833	0.00	0.41	2.560	O	|	|	|	|	3.87	249.000	0.00	0.40	2.387	O	|	|	|	|	3.64
243.917	0.00	0.41	2.557	O	|	|	|	|	3.87	249.083	0.00	0.40	2.384	O	|	|	|	|	3.64
244.000	0.00	0.41	2.554	O	|	|	|	|	3.86	249.167	0.00	0.40	2.381	O	|	|	|	|	3.63
244.083	0.00	0.41	2.551	O	|	|	|	|	3.86	249.250	0.00	0.40	2.378	O	|	|	|	|	3.63
244.167	0.00	0.41	2.548	O	|	|	|	|	3.85	249.333	0.00	0.40	2.376	O	|	|	|	|	3.62
244.250	0.00	0.41	2.545	O	|	|	|	|	3.85	249.417	0.00	0.40	2.373	O	|	|	|	|	3.62
244.333	0.00	0.41	2.543	O	|	|	|	|	3.85	249.500	0.00	0.40	2.370	O	|	|	|	|	3.62
244.417	0.00	0.41	2.540	O	|	|	|	|	3.84	249.583	0.00	0.40	2.367	O	|	|	|	|	3.61
244.500	0.00	0.41	2.537	O	|	|	|	|	3.84	249.667	0.00	0.40	2.365	O	|	|	|	|	3.61
244.583	0.00	0.41	2.534	O	|	|	|	|	3.84	249.750	0.00	0.40	2.362	O	|	|	|	|	3.61
244.667	0.00	0.41	2.531	O	|	|	|	|	3.83	249.833	0.00	0.40	2.359	O	|	|	|	|	3.60
244.750	0.00	0.41	2.528	O	|	|	|	|	3.83	249.917	0.00	0.40	2.356	O	|	|	|	|	3.60
244.833	0.00	0.41	2.526	O	|	|	|	|	3.82	250.000	0.00	0.40	2.354	O	|	|	|	|	3.60
244.917	0.00	0.41	2.523	O	|	|	|	|	3.82	250.083	0.00	0.40	2.351	O	|	|	|	|	3.59
245.000	0.00	0.41	2.520	O	|	|	|	|	3.82	250.167	0.00	0.40	2.348	O	|	|	|	|	3.59
245.083	0.00	0.41	2.517	O	|	|	|	|	3.81	250.250	0.00	0.40	2.346	O	|	|	|	|	3.58
245.167	0.00	0.41	2.514	O	|	|	|	|	3.81	250.333	0.00	0.39	2.343	O	|	|	|	|	3.58
245.250	0.00	0.41	2.512	O	|	|	|	|	3.81	250.417	0.00	0.39	2.340	O	|	|	|	|	3.58
245.333	0.00	0.41	2.509	O	|	|	|	|	3.80	250.500	0.00	0.39	2.337	O	|	|	|	|	3.57
245.417	0.00	0.41	2.506	O	|	|	|	|	3.80	250.583	0.00	0.39	2.335	O	|	|	|	|	3.57
245.500	0.00	0.41	2.503	O	|	|	|	|	3.79	250.667	0.00	0.39	2.332	O	|	|	|	|	3.57
245.583	0.00	0.41	2.500	O	|	|	|	|	3.79	250.750	0.00	0.39	2.329	O	|	|	|	|	3.56
245.667	0.00	0.41	2.498	O	|	|	|	|	3.79	250.833	0.00	0.39	2.327	O	|	|	|	|	3.56
245.750	0.00	0.41	2.495	O	|	|	|	|	3.78	250.917	0.00	0.39	2.324	O	|	|	|	|	3.56
245.833	0.00	0.41	2.492	O	|	|	|	|	3.78	251.000	0.00	0.39	2.321	O	|	|	|	|	3.55
245.917	0.00	0.41	2.489	O	|	|	|	|	3.78	251.083	0.00	0.39	2.318	O	|	|	|	|	3.55
246.000	0.00	0.41	2.486	O	|	|	|	|	3.77	251.167	0.00	0.39	2.316	O	|	|	|	|	3.54
246.083	0.00	0.41	2.484	O	|	|	|	|	3.77	251.250	0.00	0.39	2.313	O	|	|	|	|	3.54
246.167	0.00	0.41	2.481	O	|	|	|	|	3.76	251.333	0.00	0.39	2.310	O	|	|	|	|	3.54

251.417	0.00	0.39	2.308	O	|	|	|	|	3.53	256.583	0.00	0.38	2.143	O	|	|	|	|	3.31
251.500	0.00	0.39	2.305	O	|	|	|	|	3.53	256.667	0.00	0.38	2.140	O	|	|	|	|	3.31
251.583	0.00	0.39	2.302	O	|	|	|	|	3.53	256.750	0.00	0.38	2.138	O	|	|	|	|	3.31
251.667	0.00	0.39	2.300	O	|	|	|	|	3.52	256.833	0.00	0.38	2.135	O	|	|	|	|	3.30
251.750	0.00	0.39	2.297	O	|	|	|	|	3.52	256.917	0.00	0.38	2.133	O	|	|	|	|	3.30
251.833	0.00	0.39	2.294	O	|	|	|	|	3.52	257.000	0.00	0.38	2.130	O	|	|	|	|	3.30
251.917	0.00	0.39	2.291	O	|	|	|	|	3.51	257.083	0.00	0.38	2.127	O	|	|	|	|	3.29
252.000	0.00	0.39	2.289	O	|	|	|	|	3.51	257.167	0.00	0.38	2.125	O	|	|	|	|	3.29
252.083	0.00	0.39	2.286	O	|	|	|	|	3.50	257.250	0.00	0.38	2.122	O	|	|	|	|	3.29
252.167	0.00	0.39	2.283	O	|	|	|	|	3.50	257.333	0.00	0.38	2.120	O	|	|	|	|	3.28
252.250	0.00	0.39	2.281	O	|	|	|	|	3.50	257.417	0.00	0.38	2.117	O	|	|	|	|	3.28
252.333	0.00	0.39	2.278	O	|	|	|	|	3.49	257.500	0.00	0.38	2.114	O	|	|	|	|	3.28
252.417	0.00	0.39	2.275	O	|	|	|	|	3.49	257.583	0.00	0.38	2.112	O	|	|	|	|	3.27
252.500	0.00	0.39	2.273	O	|	|	|	|	3.49	257.667	0.00	0.38	2.109	O	|	|	|	|	3.27
252.583	0.00	0.39	2.270	O	|	|	|	|	3.48	257.750	0.00	0.38	2.107	O	|	|	|	|	3.27
252.667	0.00	0.39	2.267	O	|	|	|	|	3.48	257.833	0.00	0.38	2.104	O	|	|	|	|	3.26
252.750	0.00	0.39	2.265	O	|	|	|	|	3.48	257.917	0.00	0.38	2.102	O	|	|	|	|	3.26
252.833	0.00	0.39	2.262	O	|	|	|	|	3.47	258.000	0.00	0.38	2.099	O	|	|	|	|	3.25
252.917	0.00	0.39	2.259	O	|	|	|	|	3.47	258.083	0.00	0.38	2.096	O	|	|	|	|	3.25
253.000	0.00	0.39	2.257	O	|	|	|	|	3.47	258.167	0.00	0.37	2.094	O	|	|	|	|	3.25
253.083	0.00	0.39	2.254	O	|	|	|	|	3.46	258.250	0.00	0.37	2.091	O	|	|	|	|	3.24
253.167	0.00	0.39	2.251	O	|	|	|	|	3.46	258.333	0.00	0.37	2.089	O	|	|	|	|	3.24
253.250	0.00	0.39	2.249	O	|	|	|	|	3.45	258.417	0.00	0.37	2.086	O	|	|	|	|	3.24
253.333	0.00	0.39	2.246	O	|	|	|	|	3.45	258.500	0.00	0.37	2.083	O	|	|	|	|	3.23
253.417	0.00	0.39	2.243	O	|	|	|	|	3.45	258.583	0.00	0.37	2.081	O	|	|	|	|	3.23
253.500	0.00	0.39	2.241	O	|	|	|	|	3.44	258.667	0.00	0.37	2.078	O	|	|	|	|	3.23
253.583	0.00	0.39	2.238	O	|	|	|	|	3.44	258.750	0.00	0.37	2.076	O	|	|	|	|	3.22
253.667	0.00	0.39	2.235	O	|	|	|	|	3.44	258.833	0.00	0.37	2.073	O	|	|	|	|	3.22
253.750	0.00	0.39	2.233	O	|	|	|	|	3.43	258.917	0.00	0.37	2.071	O	|	|	|	|	3.22
253.833	0.00	0.39	2.230	O	|	|	|	|	3.43	259.000	0.00	0.37	2.068	O	|	|	|	|	3.21
253.917	0.00	0.39	2.227	O	|	|	|	|	3.43	259.083	0.00	0.37	2.065	O	|	|	|	|	3.21
254.000	0.00	0.39	2.225	O	|	|	|	|	3.42	259.167	0.00	0.37	2.063	O	|	|	|	|	3.21
254.083	0.00	0.39	2.222	O	|	|	|	|	3.42	259.250	0.00	0.37	2.060	O	|	|	|	|	3.20
254.167	0.00	0.38	2.219	O	|	|	|	|	3.42	259.333	0.00	0.37	2.058	O	|	|	|	|	3.20
254.250	0.00	0.38	2.217	O	|	|	|	|	3.41	259.417	0.00	0.37	2.055	O	|	|	|	|	3.20
254.333	0.00	0.38	2.214	O	|	|	|	|	3.41	259.500	0.00	0.37	2.053	O	|	|	|	|	3.19
254.417	0.00	0.38	2.211	O	|	|	|	|	3.41	259.583	0.00	0.37	2.050	O	|	|	|	|	3.19
254.500	0.00	0.38	2.209	O	|	|	|	|	3.40	259.667	0.00	0.37	2.048	O	|	|	|	|	3.19
254.583	0.00	0.38	2.206	O	|	|	|	|	3.40	259.750	0.00	0.37	2.045	O	|	|	|	|	3.18
254.667	0.00	0.38	2.203	O	|	|	|	|	3.39	259.833	0.00	0.37	2.042	O	|	|	|	|	3.18
254.750	0.00	0.38	2.201	O	|	|	|	|	3.39	259.917	0.00	0.37	2.040	O	|	|	|	|	3.18
254.833	0.00	0.38	2.198	O	|	|	|	|	3.39	260.000	0.00	0.37	2.037	O	|	|	|	|	3.17
254.917	0.00	0.38	2.196	O	|	|	|	|	3.38	260.083	0.00	0.37	2.035	O	|	|	|	|	3.17
255.000	0.00	0.38	2.193	O	|	|	|	|	3.38	260.167	0.00	0.37	2.032	O	|	|	|	|	3.17
255.083	0.00	0.38	2.190	O	|	|	|	|	3.38	260.250	0.00	0.37	2.030	O	|	|	|	|	3.16
255.167	0.00	0.38	2.188	O	|	|	|	|	3.37	260.333	0.00	0.37	2.027	O	|	|	|	|	3.16
255.250	0.00	0.38	2.185	O	|	|	|	|	3.37	260.417	0.00	0.37	2.025	O	|	|	|	|	3.16
255.333	0.00	0.38	2.182	O	|	|	|	|	3.37	260.500	0.00	0.37	2.022	O	|	|	|	|	3.15
255.417	0.00	0.38	2.180	O	|	|	|	|	3.36	260.583	0.00	0.37	2.019	O	|	|	|	|	3.15
255.500	0.00	0.38	2.177	O	|	|	|	|	3.36	260.667	0.00	0.37	2.017	O	|	|	|	|	3.15
255.583	0.00	0.38	2.174	O	|	|	|	|	3.36	260.750	0.00	0.37	2.014	O	|	|	|	|	3.14
255.667	0.00	0.38	2.172	O	|	|	|	|	3.35	260.833	0.00	0.37	2.012	O	|	|	|	|	3.14
255.750	0.00	0.38	2.169	O	|	|	|	|	3.35	260.917	0.00	0.37	2.009	O	|	|	|	|	3.14
255.833	0.00	0.38	2.167	O	|	|	|	|	3.35	261.000	0.00	0.37	2.007	O	|	|	|	|	3.13
255.917	0.00	0.38	2.164	O	|	|	|	|	3.34	261.083	0.00	0.37	2.004	O	|	|	|	|	3.13
256.000	0.00	0.38	2.161	O	|	|	|	|	3.34	261.167	0.00	0.37	2.002	O	|	|	|	|	3.13
256.083	0.00	0.38	2.159	O	|	|	|	|	3.33	261.250	0.00	0.37	1.999	O	|	|	|	|	3.12
256.167	0.00	0.38	2.156	O	|	|	|	|	3.33	261.333	0.00	0.37	1.997	O	|	|	|	|	3.12
256.250	0.00	0.38	2.154	O	|	|	|	|	3.33	261.417	0.00	0.37	1.994	O	|	|	|	|	3.12
256.333	0.00	0.38	2.151	O	|	|	|	|	3.32	261.500	0.00	0.37	1.992	O	|	|	|	|	3.11
256.417	0.00	0.38	2.148	O	|	|	|	|	3.32	261.583	0.00	0.37	1.989	O	|	|	|	|	3.11
256.500	0.00	0.38	2.146	O	|	|	|	|	3.32	261.667	0.00	0.37	1.987	O	|	|	|	|	3.10

261.750	0.00	0.37	1.984	O	|	|	|	|	3.10	266.917	0.00	0.35	1.831	O	|	|	|	|	2.89
261.833	0.00	0.37	1.982	O	|	|	|	|	3.10	267.000	0.00	0.35	1.828	O	|	|	|	|	2.88
261.917	0.00	0.37	1.979	O	|	|	|	|	3.09	267.083	0.00	0.35	1.826	O	|	|	|	|	2.88
262.000	0.00	0.37	1.976	O	|	|	|	|	3.09	267.167	0.00	0.35	1.823	O	|	|	|	|	2.88
262.083	0.00	0.37	1.974	O	|	|	|	|	3.09	267.250	0.00	0.35	1.821	O	|	|	|	|	2.87
262.167	0.00	0.37	1.971	O	|	|	|	|	3.08	267.333	0.00	0.35	1.818	O	|	|	|	|	2.87
262.250	0.00	0.36	1.969	O	|	|	|	|	3.08	267.417	0.00	0.35	1.816	O	|	|	|	|	2.87
262.333	0.00	0.36	1.966	O	|	|	|	|	3.08	267.500	0.00	0.35	1.814	O	|	|	|	|	2.86
262.417	0.00	0.36	1.964	O	|	|	|	|	3.07	267.583	0.00	0.35	1.811	O	|	|	|	|	2.86
262.500	0.00	0.36	1.961	O	|	|	|	|	3.07	267.667	0.00	0.35	1.809	O	|	|	|	|	2.86
262.583	0.00	0.36	1.959	O	|	|	|	|	3.07	267.750	0.00	0.35	1.806	O	|	|	|	|	2.85
262.667	0.00	0.36	1.956	O	|	|	|	|	3.06	267.833	0.00	0.35	1.804	O	|	|	|	|	2.85
262.750	0.00	0.36	1.954	O	|	|	|	|	3.06	267.917	0.00	0.35	1.802	O	|	|	|	|	2.85
262.833	0.00	0.36	1.951	O	|	|	|	|	3.06	268.000	0.00	0.35	1.799	O	|	|	|	|	2.84
262.917	0.00	0.36	1.949	O	|	|	|	|	3.05	268.083	0.00	0.35	1.797	O	|	|	|	|	2.84
263.000	0.00	0.36	1.946	O	|	|	|	|	3.05	268.167	0.00	0.35	1.794	O	|	|	|	|	2.84
263.083	0.00	0.36	1.944	O	|	|	|	|	3.05	268.250	0.00	0.35	1.792	O	|	|	|	|	2.83
263.167	0.00	0.36	1.941	O	|	|	|	|	3.04	268.333	0.00	0.35	1.790	O	|	|	|	|	2.83
263.250	0.00	0.36	1.939	O	|	|	|	|	3.04	268.417	0.00	0.35	1.787	O	|	|	|	|	2.83
263.333	0.00	0.36	1.936	O	|	|	|	|	3.04	268.500	0.00	0.35	1.785	O	|	|	|	|	2.82
263.417	0.00	0.36	1.934	O	|	|	|	|	3.03	268.583	0.00	0.35	1.782	O	|	|	|	|	2.82
263.500	0.00	0.36	1.931	O	|	|	|	|	3.03	268.667	0.00	0.35	1.780	O	|	|	|	|	2.81
263.583	0.00	0.36	1.929	O	|	|	|	|	3.03	268.750	0.00	0.35	1.778	O	|	|	|	|	2.81
263.667	0.00	0.36	1.926	O	|	|	|	|	3.02	268.833	0.00	0.35	1.775	O	|	|	|	|	2.81
263.750	0.00	0.36	1.924	O	|	|	|	|	3.02	268.917	0.00	0.35	1.773	O	|	|	|	|	2.80
263.833	0.00	0.36	1.921	O	|	|	|	|	3.02	269.000	0.00	0.35	1.770	O	|	|	|	|	2.80
263.917	0.00	0.36	1.919	O	|	|	|	|	3.01	269.083	0.00	0.35	1.768	O	|	|	|	|	2.80
264.000	0.00	0.36	1.916	O	|	|	|	|	3.01	269.167	0.00	0.35	1.766	O	|	|	|	|	2.79
264.083	0.00	0.36	1.914	O	|	|	|	|	3.01	269.250	0.00	0.35	1.763	O	|	|	|	|	2.79
264.167	0.00	0.36	1.912	O	|	|	|	|	3.00	269.333	0.00	0.35	1.761	O	|	|	|	|	2.79
264.250	0.00	0.36	1.909	O	|	|	|	|	3.00	269.417	0.00	0.34	1.759	O	|	|	|	|	2.78
264.333	0.00	0.36	1.907	O	|	|	|	|	3.00	269.500	0.00	0.34	1.756	O	|	|	|	|	2.78
264.417	0.00	0.36	1.904	O	|	|	|	|	2.99	269.583	0.00	0.34	1.754	O	|	|	|	|	2.78
264.500	0.00	0.36	1.902	O	|	|	|	|	2.99	269.667	0.00	0.34	1.751	O	|	|	|	|	2.77
264.583	0.00	0.36	1.899	O	|	|	|	|	2.99	269.750	0.00	0.34	1.749	O	|	|	|	|	2.77
264.667	0.00	0.36	1.897	O	|	|	|	|	2.98	269.833	0.00	0.34	1.747	O	|	|	|	|	2.77
264.750	0.00	0.36	1.894	O	|	|	|	|	2.98	269.917	0.00	0.34	1.744	O	|	|	|	|	2.76
264.833	0.00	0.36	1.892	O	|	|	|	|	2.98	270.000	0.00	0.34	1.742	O	|	|	|	|	2.76
264.917	0.00	0.36	1.889	O	|	|	|	|	2.97	270.083	0.00	0.34	1.740	O	|	|	|	|	2.76
265.000	0.00	0.36	1.887	O	|	|	|	|	2.97	270.167	0.00	0.34	1.737	O	|	|	|	|	2.75
265.083	0.00	0.36	1.884	O	|	|	|	|	2.97	270.250	0.00	0.34	1.735	O	|	|	|	|	2.75
265.167	0.00	0.36	1.882	O	|	|	|	|	2.96	270.333	0.00	0.34	1.733	O	|	|	|	|	2.75
265.250	0.00	0.36	1.879	O	|	|	|	|	2.96	270.417	0.00	0.34	1.730	O	|	|	|	|	2.74
265.333	0.00	0.36	1.877	O	|	|	|	|	2.96	270.500	0.00	0.34	1.728	O	|	|	|	|	2.74
265.417	0.00	0.36	1.874	O	|	|	|	|	2.95	270.583	0.00	0.34	1.725	O	|	|	|	|	2.74
265.500	0.00	0.36	1.872	O	|	|	|	|	2.95	270.667	0.00	0.34	1.723	O	|	|	|	|	2.73
265.583	0.00	0.36	1.870	O	|	|	|	|	2.94	270.750	0.00	0.34	1.721	O	|	|	|	|	2.73
265.667	0.00	0.36	1.867	O	|	|	|	|	2.94	270.833	0.00	0.34	1.718	O	|	|	|	|	2.73
265.750	0.00	0.36	1.865	O	|	|	|	|	2.94	270.917	0.00	0.34	1.716	O	|	|	|	|	2.72
265.833	0.00	0.36	1.862	O	|	|	|	|	2.93	271.000	0.00	0.34	1.714	O	|	|	|	|	2.72
265.917	0.00	0.36	1.860	O	|	|	|	|	2.93	271.083	0.00	0.34	1.711	O	|	|	|	|	2.72
266.000	0.00	0.35	1.857	O	|	|	|	|	2.93	271.167	0.00	0.34	1.709	O	|	|	|	|	2.71
266.083	0.00	0.35	1.855	O	|	|	|	|	2.92	271.250	0.00	0.34	1.707	O	|	|	|	|	2.71
266.167	0.00	0.35	1.852	O	|	|	|	|	2.92	271.333	0.00	0.34	1.704	O	|	|	|	|	2.71
266.250	0.00	0.35	1.850	O	|	|	|	|	2.92	271.417	0.00	0.34	1.702	O	|	|	|	|	2.70
266.333	0.00	0.35	1.848	O	|	|	|	|	2.91	271.500	0.00	0.34	1.700	O	|	|	|	|	2.70
266.417	0.00	0.35	1.845	O	|	|	|	|	2.91	271.583	0.00	0.34	1.697	O	|	|	|	|	2.70
266.500	0.00	0.35	1.843	O	|	|	|	|	2.91	271.667	0.00	0.34	1.695	O	|	|	|	|	2.69
266.583	0.00	0.35	1.840	O	|	|	|	|	2.90	271.750	0.00	0.34	1.693	O	|	|	|	|	2.69
266.667	0.00	0.35	1.838	O	|	|	|	|	2.90	271.833	0.00	0.34	1.690	O	|	|	|	|	2.69
266.750	0.00	0.35	1.835	O	|	|	|	|	2.89	271.917	0.00	0.34	1.688	O	|	|	|	|	2.68
266.833	0.00	0.35	1.833	O	|	|	|	|	2.89	272.000	0.00	0.34	1.686	O	|	|	|	|	2.68

272.083	0.00	0.34	1.683	O					2.67	277.250	0.00	0.32	1.542	O					2.47
272.167	0.00	0.34	1.681	O					2.67	277.333	0.00	0.32	1.540	O					2.47
272.250	0.00	0.34	1.679	O					2.67	277.417	0.00	0.32	1.538	O					2.46
272.333	0.00	0.34	1.676	O					2.66	277.500	0.00	0.32	1.536	O					2.46
272.417	0.00	0.34	1.674	O					2.66	277.583	0.00	0.32	1.534	O					2.46
272.500	0.00	0.34	1.672	O					2.66	277.667	0.00	0.32	1.531	O					2.45
272.583	0.00	0.34	1.669	O					2.65	277.750	0.00	0.32	1.529	O					2.45
272.667	0.00	0.34	1.667	O					2.65	277.833	0.00	0.32	1.527	O					2.45
272.750	0.00	0.34	1.665	O					2.65	277.917	0.00	0.32	1.525	O					2.45
272.833	0.00	0.34	1.663	O					2.64	278.000	0.00	0.32	1.522	O					2.44
272.917	0.00	0.33	1.660	O					2.64	278.083	0.00	0.32	1.520	O					2.44
273.000	0.00	0.33	1.658	O					2.64	278.167	0.00	0.32	1.518	O					2.44
273.083	0.00	0.33	1.656	O					2.63	278.250	0.00	0.32	1.516	O					2.43
273.167	0.00	0.33	1.653	O					2.63	278.333	0.00	0.32	1.514	O					2.43
273.250	0.00	0.33	1.651	O					2.63	278.417	0.00	0.32	1.511	O					2.43
273.333	0.00	0.33	1.649	O					2.62	278.500	0.00	0.32	1.509	O					2.42
273.417	0.00	0.33	1.646	O					2.62	278.583	0.00	0.32	1.507	O					2.42
273.500	0.00	0.33	1.644	O					2.62	278.667	0.00	0.32	1.505	O					2.42
273.583	0.00	0.33	1.642	O					2.61	278.750	0.00	0.32	1.503	O					2.41
273.667	0.00	0.33	1.640	O					2.61	278.833	0.00	0.32	1.500	O					2.41
273.750	0.00	0.33	1.637	O					2.61	278.917	0.00	0.32	1.498	O					2.41
273.833	0.00	0.33	1.635	O					2.60	279.000	0.00	0.32	1.496	O					2.40
273.917	0.00	0.33	1.633	O					2.60	279.083	0.00	0.32	1.494	O					2.40
274.000	0.00	0.33	1.630	O					2.60	279.167	0.00	0.32	1.492	O					2.40
274.083	0.00	0.33	1.628	O					2.59	279.250	0.00	0.32	1.490	O					2.39
274.167	0.00	0.33	1.626	O					2.59	279.333	0.00	0.32	1.487	O					2.39
274.250	0.00	0.33	1.624	O					2.59	279.417	0.00	0.32	1.485	O					2.39
274.333	0.00	0.33	1.621	O					2.59	279.500	0.00	0.32	1.483	O					2.38
274.417	0.00	0.33	1.619	O					2.58	279.583	0.00	0.32	1.481	O					2.38
274.500	0.00	0.33	1.617	O					2.58	279.667	0.00	0.32	1.479	O					2.38
274.583	0.00	0.33	1.614	O					2.58	279.750	0.00	0.32	1.476	O					2.38
274.667	0.00	0.33	1.612	O					2.57	279.833	0.00	0.32	1.474	O					2.37
274.750	0.00	0.33	1.610	O					2.57	279.917	0.00	0.32	1.472	O					2.37
274.833	0.00	0.33	1.608	O					2.57	280.000	0.00	0.32	1.470	O					2.37
274.917	0.00	0.33	1.605	O					2.56	280.083	0.00	0.32	1.468	O					2.36
275.000	0.00	0.33	1.603	O					2.56	280.167	0.00	0.32	1.466	O					2.36
275.083	0.00	0.33	1.601	O					2.56	280.250	0.00	0.31	1.463	O					2.36
275.167	0.00	0.33	1.599	O					2.55	280.333	0.00	0.31	1.461	O					2.35
275.250	0.00	0.33	1.596	O					2.55	280.417	0.00	0.31	1.459	O					2.35
275.333	0.00	0.33	1.594	O					2.55	280.500	0.00	0.31	1.457	O					2.35
275.417	0.00	0.33	1.592	O					2.54	280.583	0.00	0.31	1.455	O					2.34
275.500	0.00	0.33	1.590	O					2.54	280.667	0.00	0.31	1.453	O					2.34
275.583	0.00	0.33	1.587	O					2.54	280.750	0.00	0.31	1.450	O					2.34
275.667	0.00	0.33	1.585	O					2.53	280.833	0.00	0.31	1.448	O					2.33
275.750	0.00	0.33	1.583	O					2.53	280.917	0.00	0.31	1.446	O					2.33
275.833	0.00	0.33	1.580	O					2.53	281.000	0.00	0.31	1.444	O					2.33
275.917	0.00	0.33	1.578	O					2.52	281.083	0.00	0.31	1.442	O					2.33
276.000	0.00	0.33	1.576	O					2.52	281.167	0.00	0.31	1.440	O					2.32
276.083	0.00	0.33	1.574	O					2.52	281.250	0.00	0.31	1.437	O					2.32
276.167	0.00	0.33	1.571	O					2.51	281.333	0.00	0.31	1.435	O					2.32
276.250	0.00	0.33	1.569	O					2.51	281.417	0.00	0.31	1.433	O					2.31
276.333	0.00	0.33	1.567	O					2.51	281.500	0.00	0.31	1.431	O					2.31
276.417	0.00	0.33	1.565	O					2.50	281.583	0.00	0.31	1.429	O					2.31
276.500	0.00	0.33	1.563	O					2.50	281.667	0.00	0.31	1.427	O					2.30
276.583	0.00	0.32	1.560	O					2.50	281.750	0.00	0.31	1.425	O					2.30
276.667	0.00	0.32	1.558	O					2.49	281.833	0.00	0.31	1.422	O					2.30
276.750	0.00	0.32	1.556	O					2.49	281.917	0.00	0.31	1.420	O					2.29
276.833	0.00	0.32	1.554	O					2.49	282.000	0.00	0.31	1.418	O					2.29
276.917	0.00	0.32	1.551	O					2.48	282.083	0.00	0.31	1.416	O					2.29
277.000	0.00	0.32	1.549	O					2.48	282.167	0.00	0.31	1.414	O					2.28
277.083	0.00	0.32	1.547	O					2.48	282.250	0.00	0.31	1.412	O					2.28
277.167	0.00	0.32	1.545	O					2.47	282.333	0.00	0.31	1.410	O					2.28

282.417	0.00	0.31	1.407	O					2.28	287.583	0.00	0.30	1.278	O					2.09
282.500	0.00	0.31	1.405	O					2.27	287.667	0.00	0.30	1.276	O					2.09
282.583	0.00	0.31	1.403	O					2.27	287.750	0.00	0.30	1.274	O					2.08
282.667	0.00	0.31	1.401	O					2.27	287.833	0.00	0.30	1.272	O					2.08
282.750	0.00	0.31	1.399	O					2.26	287.917	0.00	0.30	1.270	O					2.08
282.833	0.00	0.31	1.397	O					2.26	288.000	0.00	0.30	1.268	O					2.07
282.917	0.00	0.31	1.395	O					2.26	288.083	0.00	0.29	1.266	O					2.07
283.000	0.00	0.31	1.393	O					2.25	288.167	0.00	0.29	1.264	O					2.07
283.083	0.00	0.31	1.390	O					2.25	288.250	0.00	0.29	1.262	O					2.07
283.167	0.00	0.31	1.388	O					2.25	288.333	0.00	0.29	1.260	O					2.06
283.250	0.00	0.31	1.386	O					2.24	288.417	0.00	0.29	1.258	O					2.06
283.333	0.00	0.31	1.384	O					2.24	288.500	0.00	0.29	1.256	O					2.06
283.417	0.00	0.31	1.382	O					2.24	288.583	0.00	0.29	1.254	O					2.05
283.500	0.00	0.31	1.380	O					2.24	288.667	0.00	0.29	1.252	O					2.05
283.583	0.00	0.31	1.378	O					2.23	288.750	0.00	0.29	1.250	O					2.05
283.667	0.00	0.31	1.376	O					2.23	288.833	0.00	0.29	1.248	O					2.04
283.750	0.00	0.31	1.374	O					2.23	288.917	0.00	0.29	1.246	O					2.04
283.833	0.00	0.31	1.371	O					2.22	289.000	0.00	0.29	1.244	O					2.04
283.917	0.00	0.31	1.369	O					2.22	289.083	0.00	0.29	1.242	O					2.04
284.000	0.00	0.31	1.367	O					2.22	289.167	0.00	0.29	1.240	O					2.03
284.083	0.00	0.31	1.365	O					2.21	289.250	0.00	0.29	1.238	O					2.03
284.167	0.00	0.30	1.363	O					2.21	289.333	0.00	0.29	1.236	O					2.03
284.250	0.00	0.30	1.361	O					2.21	289.417	0.00	0.29	1.234	O					2.02
284.333	0.00	0.30	1.359	O					2.21	289.500	0.00	0.29	1.232	O					2.02
284.417	0.00	0.30	1.357	O					2.20	289.583	0.00	0.29	1.230	O					2.02
284.500	0.00	0.30	1.355	O					2.20	289.667	0.00	0.29	1.228	O					2.02
284.583	0.00	0.30	1.353	O					2.20	289.750	0.00	0.29	1.226	O					2.01
284.667	0.00	0.30	1.351	O					2.19	289.833	0.00	0.29	1.224	O					2.01
284.750	0.00	0.30	1.348	O					2.19	289.917	0.00	0.29	1.222	O					2.01
284.833	0.00	0.30	1.346	O					2.19	290.000	0.00	0.29	1.220	O					2.00
284.917	0.00	0.30	1.344	O					2.18	290.083	0.00	0.29	1.218	O					2.00
285.000	0.00	0.30	1.342	O					2.18	290.167	0.00	0.29	1.216	O					2.00
285.083	0.00	0.30	1.340	O					2.18	290.250	0.00	0.29	1.214	O					1.99
285.167	0.00	0.30	1.338	O					2.18	290.333	0.00	0.29	1.212	O					1.99
285.250	0.00	0.30	1.336	O					2.17	290.417	0.00	0.29	1.210	O					1.99
285.333	0.00	0.30	1.334	O					2.17	290.500	0.00	0.29	1.208	O					1.99
285.417	0.00	0.30	1.332	O					2.17	290.583	0.00	0.29	1.206	O					1.98
285.500	0.00	0.30	1.330	O					2.16	290.667	0.00	0.29	1.204	O					1.98
285.583	0.00	0.30	1.328	O					2.16	290.750	0.00	0.29	1.202	O					1.98
285.667	0.00	0.30	1.326	O					2.16	290.833	0.00	0.29	1.200	O					1.97
285.750	0.00	0.30	1.323	O					2.15	290.917	0.00	0.29	1.198	O					1.97
285.833	0.00	0.30	1.321	O					2.15	291.000	0.00	0.29	1.196	O					1.97
285.917	0.00	0.30	1.319	O					2.15	291.083	0.00	0.29	1.194	O					1.96
286.000	0.00	0.30	1.317	O					2.15	291.167	0.00	0.29	1.192	O					1.96
286.083	0.00	0.30	1.315	O					2.14	291.250	0.00	0.29	1.190	O					1.96
286.167	0.00	0.30	1.313	O					2.14	291.333	0.00	0.29	1.188	O					1.95
286.250	0.00	0.30	1.311	O					2.14	291.417	0.00	0.29	1.186	O					1.95
286.333	0.00	0.30	1.309	O					2.13	291.500	0.00	0.29	1.184	O					1.95
286.417	0.00	0.30	1.307	O					2.13	291.583	0.00	0.29	1.182	O					1.94
286.500	0.00	0.30	1.305	O					2.13	291.667	0.00	0.28	1.180	O					1.94
286.583	0.00	0.30	1.303	O					2.12	291.750	0.00	0.28	1.178	O					1.94
286.667	0.00	0.30	1.301	O					2.12	291.833	0.00	0.28	1.176	O					1.94
286.750	0.00	0.30	1.299	O					2.12	291.917	0.00	0.28	1.174	O					1.93
286.833	0.00	0.30	1.297	O					2.12	292.000	0.00	0.28	1.172	O					1.93
286.917	0.00	0.30	1.295	O					2.11	292.083	0.00	0.28	1.170	O					1.93
287.000	0.00	0.30	1.293	O					2.11	292.167	0.00	0.28	1.168	O					1.92
287.083	0.00	0.30	1.290	O					2.11	292.250	0.00	0.28	1.166	O					1.92
287.167	0.00	0.30	1.288	O					2.10	292.333	0.00	0.28	1.164	O					1.92
287.250	0.00	0.30	1.286	O					2.10	292.417	0.00	0.28	1.162	O					1.91
287.333	0.00	0.30	1.284	O					2.10	292.500	0.00	0.28	1.161	O					1.91
287.417	0.00	0.30	1.282	O					2.09	292.583	0.00	0.28	1.159	O					1.91
287.500	0.00	0.30	1.280	O					2.09	292.667	0.00	0.28	1.157	O					1.91

292.750	0.00	0.28	1.155	O					1.90	297.917	0.00	0.26	1.038	O					1.72
292.833	0.00	0.28	1.153	O					1.90	298.000	0.00	0.26	1.036	O					1.72
292.917	0.00	0.28	1.151	O					1.90	298.083	0.00	0.26	1.035	O					1.71
293.000	0.00	0.28	1.149	O					1.89	298.167	0.00	0.26	1.033	O					1.71
293.083	0.00	0.28	1.147	O					1.89	298.250	0.00	0.26	1.031	O					1.71
293.167	0.00	0.28	1.145	O					1.89	298.333	0.00	0.26	1.029	O					1.70
293.250	0.00	0.28	1.143	O					1.88	298.417	0.00	0.26	1.027	O					1.70
293.333	0.00	0.28	1.141	O					1.88	298.500	0.00	0.26	1.025	O					1.70
293.417	0.00	0.28	1.139	O					1.88	298.583	0.00	0.26	1.024	O					1.70
293.500	0.00	0.28	1.137	O					1.87	298.667	0.00	0.26	1.022	O					1.69
293.583	0.00	0.28	1.135	O					1.87	298.750	0.00	0.26	1.020	O					1.69
293.667	0.00	0.28	1.134	O					1.87	298.833	0.00	0.26	1.018	O					1.69
293.750	0.00	0.28	1.132	O					1.87	298.917	0.00	0.26	1.016	O					1.68
293.833	0.00	0.28	1.130	O					1.86	299.000	0.00	0.26	1.015	O					1.68
293.917	0.00	0.28	1.128	O					1.86	299.083	0.00	0.26	1.013	O					1.68
294.000	0.00	0.28	1.126	O					1.86	299.167	0.00	0.26	1.011	O					1.68
294.083	0.00	0.28	1.124	O					1.85	299.250	0.00	0.26	1.009	O					1.67
294.167	0.00	0.28	1.122	O					1.85	299.333	0.00	0.26	1.007	O					1.67
294.250	0.00	0.28	1.120	O					1.85	299.417	0.00	0.26	1.006	O					1.67
294.333	0.00	0.28	1.118	O					1.84	299.500	0.00	0.26	1.004	O					1.66
294.417	0.00	0.28	1.116	O					1.84	299.583	0.00	0.26	1.002	O					1.66
294.500	0.00	0.28	1.114	O					1.84	299.667	0.00	0.26	1.000	O					1.66
294.583	0.00	0.28	1.113	O					1.84	299.750	0.00	0.26	0.999	O					1.66
294.667	0.00	0.27	1.111	O					1.83	299.833	0.00	0.26	0.997	O					1.65
294.750	0.00	0.27	1.109	O					1.83	299.917	0.00	0.26	0.995	O					1.65
294.833	0.00	0.27	1.107	O					1.83	300.000	0.00	0.26	0.993	O					1.65
294.917	0.00	0.27	1.105	O					1.82	300.083	0.00	0.26	0.991	O					1.65
295.000	0.00	0.27	1.103	O					1.82	300.167	0.00	0.26	0.990	O					1.64
295.083	0.00	0.27	1.101	O					1.82	300.250	0.00	0.26	0.988	O					1.64
295.167	0.00	0.27	1.099	O					1.82	300.333	0.00	0.26	0.986	O					1.64
295.250	0.00	0.27	1.097	O					1.81	300.417	0.00	0.26	0.984	O					1.63
295.333	0.00	0.27	1.096	O					1.81	300.500	0.00	0.26	0.983	O					1.63
295.417	0.00	0.27	1.094	O					1.81	300.583	0.00	0.26	0.981	O					1.63
295.500	0.00	0.27	1.092	O					1.80	300.667	0.00	0.26	0.979	O					1.63
295.583	0.00	0.27	1.090	O					1.80	300.750	0.00	0.26	0.977	O					1.62
295.667	0.00	0.27	1.088	O					1.80	300.833	0.00	0.26	0.975	O					1.62
295.750	0.00	0.27	1.086	O					1.79	300.917	0.00	0.26	0.974	O					1.62
295.833	0.00	0.27	1.084	O					1.79	301.000	0.00	0.26	0.972	O					1.61
295.917	0.00	0.27	1.082	O					1.79	301.083	0.00	0.26	0.970	O					1.61
296.000	0.00	0.27	1.081	O					1.79	301.167	0.00	0.25	0.968	O					1.61
296.083	0.00	0.27	1.079	O					1.78	301.250	0.00	0.25	0.967	O					1.61
296.167	0.00	0.27	1.077	O					1.78	301.333	0.00	0.25	0.965	O					1.60
296.250	0.00	0.27	1.075	O					1.78	301.417	0.00	0.25	0.963	O					1.60
296.333	0.00	0.27	1.073	O					1.77	301.500	0.00	0.25	0.961	O					1.60
296.417	0.00	0.27	1.071	O					1.77	301.583	0.00	0.25	0.960	O					1.60
296.500	0.00	0.27	1.069	O					1.77	301.667	0.00	0.25	0.958	O					1.59
296.583	0.00	0.27	1.068	O					1.77	301.750	0.00	0.25	0.956	O					1.59
296.667	0.00	0.27	1.066	O					1.76	301.833	0.00	0.25	0.954	O					1.59
296.750	0.00	0.27	1.064	O					1.76	301.917	0.00	0.25	0.953	O					1.58
296.833	0.00	0.27	1.062	O					1.76	302.000	0.00	0.25	0.951	O					1.58
296.917	0.00	0.27	1.060	O					1.75	302.083	0.00	0.25	0.949	O					1.58
297.000	0.00	0.27	1.058	O					1.75	302.167	0.00	0.25	0.948	O					1.58
297.083	0.00	0.27	1.057	O					1.75	302.250	0.00	0.25	0.946	O					1.57
297.167	0.00	0.27	1.055	O					1.74	302.333	0.00	0.25	0.944	O					1.57
297.250	0.00	0.27	1.053	O					1.74	302.417	0.00	0.25	0.942	O					1.57
297.333	0.00	0.27	1.051	O					1.74	302.500	0.00	0.25	0.941	O					1.57
297.417	0.00	0.27	1.049	O					1.74	302.583	0.00	0.25	0.939	O					1.56
297.500	0.00	0.27	1.047	O					1.73	302.667	0.00	0.25	0.937	O					1.56
297.583	0.00	0.27	1.046	O					1.73	302.750	0.00	0.25	0.935	O					1.56
297.667	0.00	0.27	1.044	O					1.73	302.833	0.00	0.25	0.934	O					1.55
297.750	0.00	0.27	1.042	O					1.72	302.917	0.00	0.25	0.932	O					1.55
297.833	0.00	0.26	1.040	O					1.72	303.000	0.00	0.25	0.930	O					1.55

303.083	0.00	0.25	0.929	O					1.55	308.250	0.00	0.23	0.825	O					1.38
303.167	0.00	0.25	0.927	O					1.54	308.333	0.00	0.23	0.824	O					1.38
303.250	0.00	0.25	0.925	O					1.54	308.417	0.00	0.23	0.822	O					1.38
303.333	0.00	0.25	0.923	O					1.54	308.500	0.00	0.23	0.820	O					1.38
303.417	0.00	0.25	0.922	O					1.54	308.583	0.00	0.23	0.819	O					1.37
303.500	0.00	0.25	0.920	O					1.53	308.667	0.00	0.23	0.817	O					1.37
303.583	0.00	0.25	0.918	O					1.53	308.750	0.00	0.23	0.816	O					1.37
303.667	0.00	0.25	0.917	O					1.53	308.833	0.00	0.23	0.814	O					1.37
303.750	0.00	0.25	0.915	O					1.52	308.917	0.00	0.23	0.812	O					1.36
303.833	0.00	0.25	0.913	O					1.52	309.000	0.00	0.23	0.811	O					1.36
303.917	0.00	0.25	0.911	O					1.52	309.083	0.00	0.23	0.809	O					1.36
304.000	0.00	0.25	0.910	O					1.52	309.167	0.00	0.23	0.808	O					1.36
304.083	0.00	0.25	0.908	O					1.51	309.250	0.00	0.23	0.806	O					1.35
304.167	0.00	0.25	0.906	O					1.51	309.333	0.00	0.23	0.804	O					1.35
304.250	0.00	0.25	0.905	O					1.51	309.417	0.00	0.23	0.803	O					1.35
304.333	0.00	0.25	0.903	O					1.51	309.500	0.00	0.23	0.801	O					1.35
304.417	0.00	0.25	0.901	O					1.50	309.583	0.00	0.23	0.800	O					1.34
304.500	0.00	0.25	0.900	O					1.50	309.667	0.00	0.23	0.798	O					1.34
304.583	0.00	0.24	0.898	O					1.50	309.750	0.00	0.23	0.796	O					1.34
304.667	0.00	0.24	0.896	O					1.50	309.833	0.00	0.23	0.795	O					1.34
304.750	0.00	0.24	0.895	O					1.49	309.917	0.00	0.23	0.793	O					1.33
304.833	0.00	0.24	0.893	O					1.49	310.000	0.00	0.23	0.792	O					1.33
304.917	0.00	0.24	0.891	O					1.49	310.083	0.00	0.23	0.790	O					1.33
305.000	0.00	0.24	0.890	O					1.49	310.167	0.00	0.23	0.789	O					1.33
305.083	0.00	0.24	0.888	O					1.48	310.250	0.00	0.23	0.787	O					1.32
305.167	0.00	0.24	0.886	O					1.48	310.333	0.00	0.23	0.785	O					1.32
305.250	0.00	0.24	0.884	O					1.48	310.417	0.00	0.23	0.784	O					1.32
305.333	0.00	0.24	0.883	O					1.47	310.500	0.00	0.23	0.782	O					1.32
305.417	0.00	0.24	0.881	O					1.47	310.583	0.00	0.23	0.781	O					1.31
305.500	0.00	0.24	0.879	O					1.47	310.667	0.00	0.23	0.779	O					1.31
305.583	0.00	0.24	0.878	O					1.47	310.750	0.00	0.23	0.778	O					1.31
305.667	0.00	0.24	0.876	O					1.46	310.833	0.00	0.23	0.776	O					1.31
305.750	0.00	0.24	0.874	O					1.46	310.917	0.00	0.23	0.774	O					1.30
305.833	0.00	0.24	0.873	O					1.46	311.000	0.00	0.23	0.773	O					1.30
305.917	0.00	0.24	0.871	O					1.46	311.083	0.00	0.23	0.771	O					1.30
306.000	0.00	0.24	0.869	O					1.45	311.167	0.00	0.23	0.770	O					1.30
306.083	0.00	0.24	0.868	O					1.45	311.250	0.00	0.23	0.768	O					1.29
306.167	0.00	0.24	0.866	O					1.45	311.333	0.00	0.23	0.767	O					1.29
306.250	0.00	0.24	0.865	O					1.45	311.417	0.00	0.23	0.765	O					1.29
306.333	0.00	0.24	0.863	O					1.44	311.500	0.00	0.23	0.763	O					1.29
306.417	0.00	0.24	0.861	O					1.44	311.583	0.00	0.23	0.762	O					1.28
306.500	0.00	0.24	0.860	O					1.44	311.667	0.00	0.23	0.760	O					1.28
306.583	0.00	0.24	0.858	O					1.44	311.750	0.00	0.23	0.759	O					1.28
306.667	0.00	0.24	0.856	O					1.43	311.833	0.00	0.22	0.757	O					1.28
306.750	0.00	0.24	0.855	O					1.43	311.917	0.00	0.22	0.756	O					1.27
306.833	0.00	0.24	0.853	O					1.43	312.000	0.00	0.22	0.754	O					1.27
306.917	0.00	0.24	0.851	O					1.43	312.083	0.00	0.22	0.753	O					1.27
307.000	0.00	0.24	0.850	O					1.42	312.167	0.00	0.22	0.751	O					1.27
307.083	0.00	0.24	0.848	O					1.42	312.250	0.00	0.22	0.750	O					1.26
307.167	0.00	0.24	0.846	O					1.42	312.333	0.00	0.22	0.748	O					1.26
307.250	0.00	0.24	0.845	O					1.41	312.417	0.00	0.22	0.746	O					1.26
307.333	0.00	0.24	0.843	O					1.41	312.500	0.00	0.22	0.745	O					1.26
307.417	0.00	0.24	0.842	O					1.41	312.583	0.00	0.22	0.743	O					1.26
307.500	0.00	0.24	0.840	O					1.41	312.667	0.00	0.22	0.742	O					1.25
307.583	0.00	0.24	0.838	O					1.40	312.750	0.00	0.22	0.740	O					1.25
307.667	0.00	0.24	0.837	O					1.40	312.833	0.00	0.22	0.739	O					1.25
307.750	0.00	0.24	0.835	O					1.40	312.917	0.00	0.22	0.737	O					1.25
307.833	0.00	0.24	0.833	O					1.40	313.000	0.00	0.22	0.736	O					1.24
307.917	0.00	0.24	0.832	O					1.39	313.083	0.00	0.22	0.734	O					1.24
308.000	0.00	0.24	0.830	O					1.39	313.167	0.00	0.22	0.733	O					1.24
308.083	0.00	0.24	0.829	O					1.39	313.250	0.00	0.22	0.731	O					1.24
308.167	0.00	0.23	0.827	O					1.39	313.333	0.00	0.22	0.730	O					1.23

313.417	0.00	0.22	0.728	O	|	|	|	|	1.23	318.583	0.00	0.21	0.637	O	|	|	|	|	1.09
313.500	0.00	0.22	0.727	O	|	|	|	|	1.23	318.667	0.00	0.21	0.635	O	|	|	|	|	1.09
313.583	0.00	0.22	0.725	O	|	|	|	|	1.23	318.750	0.00	0.21	0.634	O	|	|	|	|	1.08
313.667	0.00	0.22	0.724	O	|	|	|	|	1.22	318.833	0.00	0.21	0.632	O	|	|	|	|	1.08
313.750	0.00	0.22	0.722	O	|	|	|	|	1.22	318.917	0.00	0.21	0.631	O	|	|	|	|	1.08
313.833	0.00	0.22	0.721	O	|	|	|	|	1.22	319.000	0.00	0.21	0.629	O	|	|	|	|	1.08
313.917	0.00	0.22	0.719	O	|	|	|	|	1.22	319.083	0.00	0.21	0.628	O	|	|	|	|	1.07
314.000	0.00	0.22	0.717	O	|	|	|	|	1.21	319.167	0.00	0.21	0.627	O	|	|	|	|	1.07
314.083	0.00	0.22	0.716	O	|	|	|	|	1.21	319.250	0.00	0.21	0.625	O	|	|	|	|	1.07
314.167	0.00	0.22	0.714	O	|	|	|	|	1.21	319.333	0.00	0.21	0.624	O	|	|	|	|	1.07
314.250	0.00	0.22	0.713	O	|	|	|	|	1.21	319.417	0.00	0.21	0.622	O	|	|	|	|	1.07
314.333	0.00	0.22	0.711	O	|	|	|	|	1.21	319.500	0.00	0.21	0.621	O	|	|	|	|	1.06
314.417	0.00	0.22	0.710	O	|	|	|	|	1.20	319.583	0.00	0.21	0.620	O	|	|	|	|	1.06
314.500	0.00	0.22	0.708	O	|	|	|	|	1.20	319.667	0.00	0.21	0.618	O	|	|	|	|	1.06
314.583	0.00	0.22	0.707	O	|	|	|	|	1.20	319.750	0.00	0.21	0.617	O	|	|	|	|	1.06
314.667	0.00	0.22	0.705	O	|	|	|	|	1.20	319.833	0.00	0.20	0.615	O	|	|	|	|	1.05
314.750	0.00	0.22	0.704	O	|	|	|	|	1.19	319.917	0.00	0.20	0.614	O	|	|	|	|	1.05
314.833	0.00	0.22	0.702	O	|	|	|	|	1.19	320.000	0.00	0.20	0.612	O	|	|	|	|	1.05
314.917	0.00	0.22	0.701	O	|	|	|	|	1.19	320.083	0.00	0.20	0.611	O	|	|	|	|	1.05
315.000	0.00	0.22	0.699	O	|	|	|	|	1.19	320.167	0.00	0.20	0.610	O	|	|	|	|	1.05
315.083	0.00	0.22	0.698	O	|	|	|	|	1.18	320.250	0.00	0.20	0.608	O	|	|	|	|	1.04
315.167	0.00	0.22	0.696	O	|	|	|	|	1.18	320.333	0.00	0.20	0.607	O	|	|	|	|	1.04
315.250	0.00	0.22	0.695	O	|	|	|	|	1.18	320.417	0.00	0.20	0.605	O	|	|	|	|	1.04
315.333	0.00	0.22	0.694	O	|	|	|	|	1.18	320.500	0.00	0.20	0.604	O	|	|	|	|	1.04
315.417	0.00	0.22	0.692	O	|	|	|	|	1.17	320.583	0.00	0.20	0.603	O	|	|	|	|	1.03
315.500	0.00	0.22	0.691	O	|	|	|	|	1.17	320.667	0.00	0.20	0.601	O	|	|	|	|	1.03
315.583	0.00	0.22	0.689	O	|	|	|	|	1.17	320.750	0.00	0.20	0.600	O	|	|	|	|	1.03
315.667	0.00	0.22	0.688	O	|	|	|	|	1.17	320.833	0.00	0.20	0.598	O	|	|	|	|	1.03
315.750	0.00	0.21	0.686	O	|	|	|	|	1.17	320.917	0.00	0.20	0.597	O	|	|	|	|	1.03
315.833	0.00	0.21	0.685	O	|	|	|	|	1.16	321.000	0.00	0.20	0.596	O	|	|	|	|	1.02
315.917	0.00	0.21	0.683	O	|	|	|	|	1.16	321.083	0.00	0.20	0.594	O	|	|	|	|	1.02
316.000	0.00	0.21	0.682	O	|	|	|	|	1.16	321.167	0.00	0.20	0.593	O	|	|	|	|	1.02
316.083	0.00	0.21	0.680	O	|	|	|	|	1.16	321.250	0.00	0.20	0.591	O	|	|	|	|	1.02
316.167	0.00	0.21	0.679	O	|	|	|	|	1.15	321.333	0.00	0.20	0.590	O	|	|	|	|	1.01
316.250	0.00	0.21	0.677	O	|	|	|	|	1.15	321.417	0.00	0.20	0.589	O	|	|	|	|	1.01
316.333	0.00	0.21	0.676	O	|	|	|	|	1.15	321.500	0.00	0.20	0.587	O	|	|	|	|	1.01
316.417	0.00	0.21	0.674	O	|	|	|	|	1.15	321.583	0.00	0.20	0.586	O	|	|	|	|	1.01
316.500	0.00	0.21	0.673	O	|	|	|	|	1.14	321.667	0.00	0.20	0.585	O	|	|	|	|	1.01
316.583	0.00	0.21	0.671	O	|	|	|	|	1.14	321.750	0.00	0.20	0.583	O	|	|	|	|	1.00
316.667	0.00	0.21	0.670	O	|	|	|	|	1.14	321.833	0.00	0.20	0.582	O	|	|	|	|	1.00
316.750	0.00	0.21	0.668	O	|	|	|	|	1.14	321.917	0.00	0.20	0.580	O	|	|	|	|	1.00
316.833	0.00	0.21	0.667	O	|	|	|	|	1.14	322.000	0.00	0.20	0.579	O	|	|	|	|	1.00
316.917	0.00	0.21	0.666	O	|	|	|	|	1.13	322.083	0.00	0.20	0.578	O	|	|	|	|	0.99
317.000	0.00	0.21	0.664	O	|	|	|	|	1.13	322.167	0.00	0.20	0.576	O	|	|	|	|	0.99
317.083	0.00	0.21	0.663	O	|	|	|	|	1.13	322.250	0.00	0.20	0.575	O	|	|	|	|	0.99
317.167	0.00	0.21	0.661	O	|	|	|	|	1.13	322.333	0.00	0.20	0.574	O	|	|	|	|	0.99
317.250	0.00	0.21	0.660	O	|	|	|	|	1.12	322.417	0.00	0.20	0.572	O	|	|	|	|	0.98
317.333	0.00	0.21	0.658	O	|	|	|	|	1.12	322.500	0.00	0.20	0.571	O	|	|	|	|	0.98
317.417	0.00	0.21	0.657	O	|	|	|	|	1.12	322.583	0.00	0.20	0.570	O	|	|	|	|	0.98
317.500	0.00	0.21	0.655	O	|	|	|	|	1.12	322.667	0.00	0.20	0.568	O	|	|	|	|	0.98
317.583	0.00	0.21	0.654	O	|	|	|	|	1.11	322.750	0.00	0.20	0.567	O	|	|	|	|	0.98
317.667	0.00	0.21	0.652	O	|	|	|	|	1.11	322.833	0.00	0.19	0.565	O	|	|	|	|	0.97
317.750	0.00	0.21	0.651	O	|	|	|	|	1.11	322.917	0.00	0.19	0.564	O	|	|	|	|	0.97
317.833	0.00	0.21	0.650	O	|	|	|	|	1.11	323.000	0.00	0.19	0.563	O	|	|	|	|	0.97
317.917	0.00	0.21	0.648	O	|	|	|	|	1.11	323.083	0.00	0.19	0.561	O	|	|	|	|	0.97
318.000	0.00	0.21	0.647	O	|	|	|	|	1.10	323.167	0.00	0.19	0.560	O	|	|	|	|	0.96
318.083	0.00	0.21	0.645	O	|	|	|	|	1.10	323.250	0.00	0.19	0.559	O	|	|	|	|	0.96
318.167	0.00	0.21	0.644	O	|	|	|	|	1.10	323.333	0.00	0.19	0.558	O	|	|	|	|	0.96
318.250	0.00	0.21	0.642	O	|	|	|	|	1.10	323.417	0.00	0.19	0.556	O	|	|	|	|	0.96
318.333	0.00	0.21	0.641	O	|	|	|	|	1.09	323.500	0.00	0.19	0.555	O	|	|	|	|	0.96
318.417	0.00	0.21	0.639	O	|	|	|	|	1.09	323.583	0.00	0.19	0.554	O	|	|	|	|	0.95
318.500	0.00	0.21	0.638	O	|	|	|	|	1.09	323.667	0.00	0.19	0.552	O	|	|	|	|	0.95

323.750	0.00	0.19	0.551	O	|	|	|	|	0.95	328.917	0.00	0.16	0.476	O	|	|	|	|	0.82
323.833	0.00	0.19	0.550	O	|	|	|	|	0.95	329.000	0.00	0.16	0.474	O	|	|	|	|	0.82
323.917	0.00	0.19	0.548	O	|	|	|	|	0.94	329.083	0.00	0.16	0.473	O	|	|	|	|	0.81
324.000	0.00	0.19	0.547	O	|	|	|	|	0.94	329.167	0.00	0.16	0.472	O	|	|	|	|	0.81
324.083	0.00	0.19	0.546	O	|	|	|	|	0.94	329.250	0.00	0.16	0.471	O	|	|	|	|	0.81
324.167	0.00	0.19	0.544	O	|	|	|	|	0.94	329.333	0.00	0.16	0.470	O	|	|	|	|	0.81
324.250	0.00	0.19	0.543	O	|	|	|	|	0.93	329.417	0.00	0.16	0.469	O	|	|	|	|	0.81
324.333	0.00	0.19	0.542	O	|	|	|	|	0.93	329.500	0.00	0.16	0.468	O	|	|	|	|	0.81
324.417	0.00	0.19	0.541	O	|	|	|	|	0.93	329.583	0.00	0.16	0.467	O	|	|	|	|	0.80
324.500	0.00	0.19	0.539	O	|	|	|	|	0.93	329.667	0.00	0.16	0.466	O	|	|	|	|	0.80
324.583	0.00	0.19	0.538	O	|	|	|	|	0.93	329.750	0.00	0.16	0.464	O	|	|	|	|	0.80
324.667	0.00	0.18	0.537	O	|	|	|	|	0.92	329.833	0.00	0.16	0.463	O	|	|	|	|	0.80
324.750	0.00	0.18	0.535	O	|	|	|	|	0.92	329.917	0.00	0.16	0.462	O	|	|	|	|	0.80
324.833	0.00	0.18	0.534	O	|	|	|	|	0.92	330.000	0.00	0.16	0.461	O	|	|	|	|	0.79
324.917	0.00	0.18	0.533	O	|	|	|	|	0.92	330.083	0.00	0.16	0.460	O	|	|	|	|	0.79
325.000	0.00	0.18	0.532	O	|	|	|	|	0.92	330.167	0.00	0.16	0.459	O	|	|	|	|	0.79
325.083	0.00	0.18	0.530	O	|	|	|	|	0.91	330.250	0.00	0.16	0.458	O	|	|	|	|	0.79
325.167	0.00	0.18	0.529	O	|	|	|	|	0.91	330.333	0.00	0.16	0.457	O	|	|	|	|	0.79
325.250	0.00	0.18	0.528	O	|	|	|	|	0.91	330.417	0.00	0.16	0.456	O	|	|	|	|	0.78
325.333	0.00	0.18	0.527	O	|	|	|	|	0.91	330.500	0.00	0.16	0.455	O	|	|	|	|	0.78
325.417	0.00	0.18	0.525	O	|	|	|	|	0.90	330.583	0.00	0.16	0.454	O	|	|	|	|	0.78
325.500	0.00	0.18	0.524	O	|	|	|	|	0.90	330.667	0.00	0.16	0.453	O	|	|	|	|	0.78
325.583	0.00	0.18	0.523	O	|	|	|	|	0.90	330.750	0.00	0.16	0.451	O	|	|	|	|	0.78
325.667	0.00	0.18	0.522	O	|	|	|	|	0.90	330.833	0.00	0.16	0.450	O	|	|	|	|	0.78
325.750	0.00	0.18	0.520	O	|	|	|	|	0.90	330.917	0.00	0.15	0.449	O	|	|	|	|	0.77
325.833	0.00	0.18	0.519	O	|	|	|	|	0.89	331.000	0.00	0.15	0.448	O	|	|	|	|	0.77
325.917	0.00	0.18	0.518	O	|	|	|	|	0.89	331.083	0.00	0.15	0.447	O	|	|	|	|	0.77
326.000	0.00	0.18	0.517	O	|	|	|	|	0.89	331.167	0.00	0.15	0.446	O	|	|	|	|	0.77
326.083	0.00	0.18	0.516	O	|	|	|	|	0.89	331.250	0.00	0.15	0.445	O	|	|	|	|	0.77
326.167	0.00	0.18	0.514	O	|	|	|	|	0.89	331.333	0.00	0.15	0.444	O	|	|	|	|	0.76
326.250	0.00	0.18	0.513	O	|	|	|	|	0.88	331.417	0.00	0.15	0.443	O	|	|	|	|	0.76
326.333	0.00	0.18	0.512	O	|	|	|	|	0.88	331.500	0.00	0.15	0.442	O	|	|	|	|	0.76
326.417	0.00	0.18	0.511	O	|	|	|	|	0.88	331.583	0.00	0.15	0.441	O	|	|	|	|	0.76
326.500	0.00	0.18	0.509	O	|	|	|	|	0.88	331.667	0.00	0.15	0.440	O	|	|	|	|	0.76
326.583	0.00	0.17	0.508	O	|	|	|	|	0.87	331.750	0.00	0.15	0.439	O	|	|	|	|	0.76
326.667	0.00	0.17	0.507	O	|	|	|	|	0.87	331.833	0.00	0.15	0.438	O	|	|	|	|	0.75
326.750	0.00	0.17	0.506	O	|	|	|	|	0.87	331.917	0.00	0.15	0.437	O	|	|	|	|	0.75
326.833	0.00	0.17	0.505	O	|	|	|	|	0.87	332.000	0.00	0.15	0.436	O	|	|	|	|	0.75
326.917	0.00	0.17	0.503	O	|	|	|	|	0.87	332.083	0.00	0.15	0.435	O	|	|	|	|	0.75
327.000	0.00	0.17	0.502	O	|	|	|	|	0.86	332.167	0.00	0.15	0.434	O	|	|	|	|	0.75
327.083	0.00	0.17	0.501	O	|	|	|	|	0.86	332.250	0.00	0.15	0.433	O	|	|	|	|	0.74
327.167	0.00	0.17	0.500	O	|	|	|	|	0.86	332.333	0.00	0.15	0.432	O	|	|	|	|	0.74
327.250	0.00	0.17	0.499	O	|	|	|	|	0.86	332.417	0.00	0.15	0.431	O	|	|	|	|	0.74
327.333	0.00	0.17	0.498	O	|	|	|	|	0.86	332.500	0.00	0.15	0.430	O	|	|	|	|	0.74
327.417	0.00	0.17	0.496	O	|	|	|	|	0.85	332.583	0.00	0.15	0.429	O	|	|	|	|	0.74
327.500	0.00	0.17	0.495	O	|	|	|	|	0.85	332.667	0.00	0.15	0.427	O	|	|	|	|	0.74
327.583	0.00	0.17	0.494	O	|	|	|	|	0.85	332.750	0.00	0.15	0.426	O	|	|	|	|	0.73
327.667	0.00	0.17	0.493	O	|	|	|	|	0.85	332.833	0.00	0.15	0.425	O	|	|	|	|	0.73
327.750	0.00	0.17	0.492	O	|	|	|	|	0.85	332.917	0.00	0.15	0.424	O	|	|	|	|	0.73
327.833	0.00	0.17	0.491	O	|	|	|	|	0.84	333.000	0.00	0.15	0.423	O	|	|	|	|	0.73
327.917	0.00	0.17	0.489	O	|	|	|	|	0.84	333.083	0.00	0.15	0.422	O	|	|	|	|	0.73
328.000	0.00	0.17	0.488	O	|	|	|	|	0.84	333.167	0.00	0.15	0.421	O	|	|	|	|	0.73
328.083	0.00	0.17	0.487	O	|	|	|	|	0.84	333.250	0.00	0.14	0.420	O	|	|	|	|	0.72
328.167	0.00	0.17	0.486	O	|	|	|	|	0.84	333.333	0.00	0.14	0.419	O	|	|	|	|	0.72
328.250	0.00	0.17	0.485	O	|	|	|	|	0.83	333.417	0.00	0.14	0.418	O	|	|	|	|	0.72
328.333	0.00	0.17	0.484	O	|	|	|	|	0.83	333.500	0.00	0.14	0.417	O	|	|	|	|	0.72
328.417	0.00	0.17	0.482	O	|	|	|	|	0.83	333.583	0.00	0.14	0.416	O	|	|	|	|	0.72
328.500	0.00	0.17	0.481	O	|	|	|	|	0.83	333.667	0.00	0.14	0.416	O	|	|	|	|	0.72
328.583	0.00	0.17	0.480	O	|	|	|	|	0.83	333.750	0.00	0.14	0.415	O	|	|	|	|	0.71
328.667	0.00	0.16	0.479	O	|	|	|	|	0.82	333.833	0.00	0.14	0.414	O	|	|	|	|	0.71
328.750	0.00	0.16	0.478	O	|	|	|	|	0.82	333.917	0.00	0.14	0.413	O	|	|	|	|	0.71
328.833	0.00	0.16	0.477	O	|	|	|	|	0.82	334.000	0.00	0.14	0.412	O	|	|	|	|	0.71

334.083	0.00	0.14	0.411	O					0.71	339.250	0.00	0.12	0.354	O					0.61
334.167	0.00	0.14	0.410	O					0.71	339.333	0.00	0.12	0.354	O					0.61
334.250	0.00	0.14	0.409	O					0.70	339.417	0.00	0.12	0.353	O					0.61
334.333	0.00	0.14	0.408	O					0.70	339.500	0.00	0.12	0.352	O					0.61
334.417	0.00	0.14	0.407	O					0.70	339.583	0.00	0.12	0.351	O					0.60
334.500	0.00	0.14	0.406	O					0.70	339.667	0.00	0.12	0.350	O					0.60
334.583	0.00	0.14	0.405	O					0.70	339.750	0.00	0.12	0.349	O					0.60
334.667	0.00	0.14	0.404	O					0.70	339.833	0.00	0.12	0.349	O					0.60
334.750	0.00	0.14	0.403	O					0.69	339.917	0.00	0.12	0.348	O					0.60
334.833	0.00	0.14	0.402	O					0.69	340.000	0.00	0.12	0.347	O					0.60
334.917	0.00	0.14	0.401	O					0.69	340.083	0.00	0.12	0.346	O					0.60
335.000	0.00	0.14	0.400	O					0.69	340.167	0.00	0.12	0.345	O					0.59
335.083	0.00	0.14	0.399	O					0.69	340.250	0.00	0.12	0.345	O					0.59
335.167	0.00	0.14	0.398	O					0.69	340.333	0.00	0.12	0.344	O					0.59
335.250	0.00	0.14	0.397	O					0.68	340.417	0.00	0.12	0.343	O					0.59
335.333	0.00	0.14	0.396	O					0.68	340.500	0.00	0.12	0.342	O					0.59
335.417	0.00	0.14	0.395	O					0.68	340.583	0.00	0.12	0.341	O					0.59
335.500	0.00	0.14	0.394	O					0.68	340.667	0.00	0.12	0.340	O					0.59
335.583	0.00	0.14	0.393	O					0.68	340.750	0.00	0.12	0.340	O					0.58
335.667	0.00	0.14	0.393	O					0.68	340.833	0.00	0.12	0.339	O					0.58
335.750	0.00	0.13	0.392	O					0.67	340.917	0.00	0.12	0.338	O					0.58
335.833	0.00	0.13	0.391	O					0.67	341.000	0.00	0.12	0.337	O					0.58
335.917	0.00	0.13	0.390	O					0.67	341.083	0.00	0.12	0.336	O					0.58
336.000	0.00	0.13	0.389	O					0.67	341.167	0.00	0.12	0.336	O					0.58
336.083	0.00	0.13	0.388	O					0.67	341.250	0.00	0.12	0.335	O					0.58
336.167	0.00	0.13	0.387	O					0.67	341.333	0.00	0.12	0.334	O					0.58
336.250	0.00	0.13	0.386	O					0.66	341.417	0.00	0.11	0.333	O					0.57
336.333	0.00	0.13	0.385	O					0.66	341.500	0.00	0.11	0.333	O					0.57
336.417	0.00	0.13	0.384	O					0.66	341.583	0.00	0.11	0.332	O					0.57
336.500	0.00	0.13	0.383	O					0.66	341.667	0.00	0.11	0.331	O					0.57
336.583	0.00	0.13	0.382	O					0.66	341.750	0.00	0.11	0.330	O					0.57
336.667	0.00	0.13	0.382	O					0.66	341.833	0.00	0.11	0.329	O					0.57
336.750	0.00	0.13	0.381	O					0.66	341.917	0.00	0.11	0.329	O					0.57
336.833	0.00	0.13	0.380	O					0.65	342.000	0.00	0.11	0.328	O					0.56
336.917	0.00	0.13	0.379	O					0.65	342.083	0.00	0.11	0.327	O					0.56
337.000	0.00	0.13	0.378	O					0.65	342.167	0.00	0.11	0.326	O					0.56
337.083	0.00	0.13	0.377	O					0.65	342.250	0.00	0.11	0.325	O					0.56
337.167	0.00	0.13	0.376	O					0.65	342.333	0.00	0.11	0.325	O					0.56
337.250	0.00	0.13	0.375	O					0.65	342.417	0.00	0.11	0.324	O					0.56
337.333	0.00	0.13	0.374	O					0.64	342.500	0.00	0.11	0.323	O					0.56
337.417	0.00	0.13	0.373	O					0.64	342.583	0.00	0.11	0.322	O					0.55
337.500	0.00	0.13	0.373	O					0.64	342.667	0.00	0.11	0.322	O					0.55
337.583	0.00	0.13	0.372	O					0.64	342.750	0.00	0.11	0.321	O					0.55
337.667	0.00	0.13	0.371	O					0.64	342.833	0.00	0.11	0.320	O					0.55
337.750	0.00	0.13	0.370	O					0.64	342.917	0.00	0.11	0.319	O					0.55
337.833	0.00	0.13	0.369	O					0.64	343.000	0.00	0.11	0.319	O					0.55
337.917	0.00	0.13	0.368	O					0.63	343.083	0.00	0.11	0.318	O					0.55
338.000	0.00	0.13	0.367	O					0.63	343.167	0.00	0.11	0.317	O					0.55
338.083	0.00	0.13	0.366	O					0.63	343.250	0.00	0.11	0.316	O					0.54
338.167	0.00	0.13	0.366	O					0.63	343.333	0.00	0.11	0.316	O					0.54
338.250	0.00	0.13	0.365	O					0.63	343.417	0.00	0.11	0.315	O					0.54
338.333	0.00	0.13	0.364	O					0.63	343.500	0.00	0.11	0.314	O					0.54
338.417	0.00	0.12	0.363	O					0.62	343.583	0.00	0.11	0.313	O					0.54
338.500	0.00	0.12	0.362	O					0.62	343.667	0.00	0.11	0.313	O					0.54
338.583	0.00	0.12	0.361	O					0.62	343.750	0.00	0.11	0.312	O					0.54
338.667	0.00	0.12	0.360	O					0.62	343.833	0.00	0.11	0.311	O					0.54
338.750	0.00	0.12	0.360	O					0.62	343.917	0.00	0.11	0.310	O					0.53
338.833	0.00	0.12	0.359	O					0.62	344.000	0.00	0.11	0.310	O					0.53
338.917	0.00	0.12	0.358	O					0.62	344.083	0.00	0.11	0.309	O					0.53
339.000	0.00	0.12	0.357	O					0.61	344.167	0.00	0.11	0.308	O					0.53
339.083	0.00	0.12	0.356	O					0.61	344.250	0.00	0.11	0.307	O					0.53
339.167	0.00	0.12	0.355	O					0.61	344.333	0.00	0.11	0.307	O					0.53

344.417	0.00	0.11	0.306	O	|	|	|	|	0.53	349.583	0.00	0.09	0.264	O	|	|	|	|	0.45
344.500	0.00	0.11	0.305	O	|	|	|	|	0.53	349.667	0.00	0.09	0.264	O	|	|	|	|	0.45
344.583	0.00	0.10	0.305	O	|	|	|	|	0.52	349.750	0.00	0.09	0.263	O	|	|	|	|	0.45
344.667	0.00	0.10	0.304	O	|	|	|	|	0.52	349.833	0.00	0.09	0.262	O	|	|	|	|	0.45
344.750	0.00	0.10	0.303	O	|	|	|	|	0.52	349.917	0.00	0.09	0.262	O	|	|	|	|	0.45
344.833	0.00	0.10	0.302	O	|	|	|	|	0.52	350.000	0.00	0.09	0.261	O	|	|	|	|	0.45
344.917	0.00	0.10	0.302	O	|	|	|	|	0.52	350.083	0.00	0.09	0.260	O	|	|	|	|	0.45
345.000	0.00	0.10	0.301	O	|	|	|	|	0.52	350.167	0.00	0.09	0.260	O	|	|	|	|	0.45
345.083	0.00	0.10	0.300	O	|	|	|	|	0.52	350.250	0.00	0.09	0.259	O	|	|	|	|	0.45
345.167	0.00	0.10	0.300	O	|	|	|	|	0.52	350.333	0.00	0.09	0.259	O	|	|	|	|	0.45
345.250	0.00	0.10	0.299	O	|	|	|	|	0.51	350.417	0.00	0.09	0.258	O	|	|	|	|	0.44
345.333	0.00	0.10	0.298	O	|	|	|	|	0.51	350.500	0.00	0.09	0.257	O	|	|	|	|	0.44
345.417	0.00	0.10	0.297	O	|	|	|	|	0.51	350.583	0.00	0.09	0.257	O	|	|	|	|	0.44
345.500	0.00	0.10	0.297	O	|	|	|	|	0.51	350.667	0.00	0.09	0.256	O	|	|	|	|	0.44
345.583	0.00	0.10	0.296	O	|	|	|	|	0.51	350.750	0.00	0.09	0.256	O	|	|	|	|	0.44
345.667	0.00	0.10	0.295	O	|	|	|	|	0.51	350.833	0.00	0.09	0.255	O	|	|	|	|	0.44
345.750	0.00	0.10	0.295	O	|	|	|	|	0.51	350.917	0.00	0.09	0.254	O	|	|	|	|	0.44
345.833	0.00	0.10	0.294	O	|	|	|	|	0.51	351.000	0.00	0.09	0.254	O	|	|	|	|	0.44
345.917	0.00	0.10	0.293	O	|	|	|	|	0.50	351.083	0.00	0.09	0.253	O	|	|	|	|	0.44
346.000	0.00	0.10	0.293	O	|	|	|	|	0.50	351.167	0.00	0.09	0.253	O	|	|	|	|	0.43
346.083	0.00	0.10	0.292	O	|	|	|	|	0.50	351.250	0.00	0.09	0.252	O	|	|	|	|	0.43
346.167	0.00	0.10	0.291	O	|	|	|	|	0.50	351.333	0.00	0.09	0.251	O	|	|	|	|	0.43
346.250	0.00	0.10	0.290	O	|	|	|	|	0.50	351.417	0.00	0.09	0.251	O	|	|	|	|	0.43
346.333	0.00	0.10	0.290	O	|	|	|	|	0.50	351.500	0.00	0.09	0.250	O	|	|	|	|	0.43
346.417	0.00	0.10	0.289	O	|	|	|	|	0.50	351.583	0.00	0.09	0.250	O	|	|	|	|	0.43
346.500	0.00	0.10	0.288	O	|	|	|	|	0.50	351.667	0.00	0.09	0.249	O	|	|	|	|	0.43
346.583	0.00	0.10	0.288	O	|	|	|	|	0.50	351.750	0.00	0.09	0.248	O	|	|	|	|	0.43
346.667	0.00	0.10	0.287	O	|	|	|	|	0.49	351.833	0.00	0.09	0.248	O	|	|	|	|	0.43
346.750	0.00	0.10	0.286	O	|	|	|	|	0.49	351.917	0.00	0.09	0.247	O	|	|	|	|	0.43
346.833	0.00	0.10	0.286	O	|	|	|	|	0.49	352.000	0.00	0.08	0.247	O	|	|	|	|	0.42
346.917	0.00	0.10	0.285	O	|	|	|	|	0.49	352.083	0.00	0.08	0.246	O	|	|	|	|	0.42
347.000	0.00	0.10	0.284	O	|	|	|	|	0.49	352.167	0.00	0.08	0.245	O	|	|	|	|	0.42
347.083	0.00	0.10	0.284	O	|	|	|	|	0.49	352.250	0.00	0.08	0.245	O	|	|	|	|	0.42
347.167	0.00	0.10	0.283	O	|	|	|	|	0.49	352.333	0.00	0.08	0.244	O	|	|	|	|	0.42
347.250	0.00	0.10	0.282	O	|	|	|	|	0.49	352.417	0.00	0.08	0.244	O	|	|	|	|	0.42
347.333	0.00	0.10	0.282	O	|	|	|	|	0.48	352.500	0.00	0.08	0.243	O	|	|	|	|	0.42
347.417	0.00	0.10	0.281	O	|	|	|	|	0.48	352.583	0.00	0.08	0.243	O	|	|	|	|	0.42
347.500	0.00	0.10	0.280	O	|	|	|	|	0.48	352.667	0.00	0.08	0.242	O	|	|	|	|	0.42
347.583	0.00	0.10	0.280	O	|	|	|	|	0.48	352.750	0.00	0.08	0.241	O	|	|	|	|	0.42
347.667	0.00	0.10	0.279	O	|	|	|	|	0.48	352.833	0.00	0.08	0.241	O	|	|	|	|	0.41
347.750	0.00	0.10	0.278	O	|	|	|	|	0.48	352.917	0.00	0.08	0.240	O	|	|	|	|	0.41
347.833	0.00	0.10	0.278	O	|	|	|	|	0.48	353.000	0.00	0.08	0.240	O	|	|	|	|	0.41
347.917	0.00	0.10	0.277	O	|	|	|	|	0.48	353.083	0.00	0.08	0.239	O	|	|	|	|	0.41
348.000	0.00	0.10	0.276	O	|	|	|	|	0.48	353.167	0.00	0.08	0.239	O	|	|	|	|	0.41
348.083	0.00	0.09	0.276	O	|	|	|	|	0.47	353.250	0.00	0.08	0.238	O	|	|	|	|	0.41
348.167	0.00	0.09	0.275	O	|	|	|	|	0.47	353.333	0.00	0.08	0.237	O	|	|	|	|	0.41
348.250	0.00	0.09	0.274	O	|	|	|	|	0.47	353.417	0.00	0.08	0.237	O	|	|	|	|	0.41
348.333	0.00	0.09	0.274	O	|	|	|	|	0.47	353.500	0.00	0.08	0.236	O	|	|	|	|	0.41
348.417	0.00	0.09	0.273	O	|	|	|	|	0.47	353.583	0.00	0.08	0.236	O	|	|	|	|	0.41
348.500	0.00	0.09	0.272	O	|	|	|	|	0.47	353.667	0.00	0.08	0.235	O	|	|	|	|	0.40
348.583	0.00	0.09	0.272	O	|	|	|	|	0.47	353.750	0.00	0.08	0.235	O	|	|	|	|	0.40
348.667	0.00	0.09	0.271	O	|	|	|	|	0.47	353.833	0.00	0.08	0.234	O	|	|	|	|	0.40
348.750	0.00	0.09	0.271	O	|	|	|	|	0.47	353.917	0.00	0.08	0.234	O	|	|	|	|	0.40
348.833	0.00	0.09	0.270	O	|	|	|	|	0.46	354.000	0.00	0.08	0.233	O	|	|	|	|	0.40
348.917	0.00	0.09	0.269	O	|	|	|	|	0.46	354.083	0.00	0.08	0.232	O	|	|	|	|	0.40
349.000	0.00	0.09	0.269	O	|	|	|	|	0.46	354.167	0.00	0.08	0.232	O	|	|	|	|	0.40
349.083	0.00	0.09	0.268	O	|	|	|	|	0.46	354.250	0.00	0.08	0.231	O	|	|	|	|	0.40
349.167	0.00	0.09	0.267	O	|	|	|	|	0.46	354.333	0.00	0.08	0.231	O	|	|	|	|	0.40
349.250	0.00	0.09	0.267	O	|	|	|	|	0.46	354.417	0.00	0.08	0.230	O	|	|	|	|	0.40
349.333	0.00	0.09	0.266	O	|	|	|	|	0.46	354.500	0.00	0.08	0.230	O	|	|	|	|	0.40
349.417	0.00	0.09	0.265	O	|	|	|	|	0.46	354.583	0.00	0.08	0.229	O	|	|	|	|	0.39
349.500	0.00	0.09	0.265	O	|	|	|	|	0.46	354.667	0.00	0.08	0.229	O	|	|	|	|	0.39

354.750	0.00	0.08	0.228	O	|	|	|	|	0.39	359.917	0.00	0.07	0.197	O	|	|	|	|	0.34
354.833	0.00	0.08	0.228	O	|	|	|	|	0.39	360.000	0.00	0.07	0.196	O	|	|	|	|	0.34
354.917	0.00	0.08	0.227	O	|	|	|	|	0.39	360.083	0.00	0.07	0.196	O	|	|	|	|	0.34
355.000	0.00	0.08	0.226	O	|	|	|	|	0.39	360.167	0.00	0.07	0.196	O	|	|	|	|	0.34
355.083	0.00	0.08	0.226	O	|	|	|	|	0.39	360.250	0.00	0.07	0.195	O	|	|	|	|	0.34
355.167	0.00	0.08	0.225	O	|	|	|	|	0.39	360.333	0.00	0.07	0.195	O	|	|	|	|	0.33
355.250	0.00	0.08	0.225	O	|	|	|	|	0.39	360.417	0.00	0.07	0.194	O	|	|	|	|	0.33
355.333	0.00	0.08	0.224	O	|	|	|	|	0.39	360.500	0.00	0.07	0.194	O	|	|	|	|	0.33
355.417	0.00	0.08	0.224	O	|	|	|	|	0.39	360.583	0.00	0.07	0.193	O	|	|	|	|	0.33
355.500	0.00	0.08	0.223	O	|	|	|	|	0.38	360.667	0.00	0.07	0.193	O	|	|	|	|	0.33
355.583	0.00	0.08	0.223	O	|	|	|	|	0.38	360.750	0.00	0.07	0.192	O	|	|	|	|	0.33
355.667	0.00	0.08	0.222	O	|	|	|	|	0.38	360.833	0.00	0.07	0.192	O	|	|	|	|	0.33
355.750	0.00	0.08	0.222	O	|	|	|	|	0.38	360.917	0.00	0.07	0.191	O	|	|	|	|	0.33
355.833	0.00	0.08	0.221	O	|	|	|	|	0.38	361.000	0.00	0.07	0.191	O	|	|	|	|	0.33
355.917	0.00	0.08	0.221	O	|	|	|	|	0.38	361.083	0.00	0.07	0.190	O	|	|	|	|	0.33
356.000	0.00	0.08	0.220	O	|	|	|	|	0.38	361.167	0.00	0.07	0.190	O	|	|	|	|	0.33
356.083	0.00	0.08	0.220	O	|	|	|	|	0.38	361.250	0.00	0.07	0.190	O	|	|	|	|	0.33
356.167	0.00	0.08	0.219	O	|	|	|	|	0.38	361.333	0.00	0.07	0.189	O	|	|	|	|	0.33
356.250	0.00	0.08	0.219	O	|	|	|	|	0.38	361.417	0.00	0.06	0.189	O	|	|	|	|	0.32
356.333	0.00	0.08	0.218	O	|	|	|	|	0.38	361.500	0.00	0.06	0.188	O	|	|	|	|	0.32
356.417	0.00	0.07	0.218	O	|	|	|	|	0.37	361.583	0.00	0.06	0.188	O	|	|	|	|	0.32
356.500	0.00	0.07	0.217	O	|	|	|	|	0.37	361.667	0.00	0.06	0.187	O	|	|	|	|	0.32
356.583	0.00	0.07	0.216	O	|	|	|	|	0.37	361.750	0.00	0.06	0.187	O	|	|	|	|	0.32
356.667	0.00	0.07	0.216	O	|	|	|	|	0.37	361.833	0.00	0.06	0.186	O	|	|	|	|	0.32
356.750	0.00	0.07	0.215	O	|	|	|	|	0.37	361.917	0.00	0.06	0.186	O	|	|	|	|	0.32
356.833	0.00	0.07	0.215	O	|	|	|	|	0.37	362.000	0.00	0.06	0.186	O	|	|	|	|	0.32
356.917	0.00	0.07	0.214	O	|	|	|	|	0.37	362.083	0.00	0.06	0.185	O	|	|	|	|	0.32
357.000	0.00	0.07	0.214	O	|	|	|	|	0.37	362.167	0.00	0.06	0.185	O	|	|	|	|	0.32
357.083	0.00	0.07	0.213	O	|	|	|	|	0.37	362.250	0.00	0.06	0.184	O	|	|	|	|	0.32
357.167	0.00	0.07	0.213	O	|	|	|	|	0.37	362.333	0.00	0.06	0.184	O	|	|	|	|	0.32
357.250	0.00	0.07	0.212	O	|	|	|	|	0.37	362.417	0.00	0.06	0.183	O	|	|	|	|	0.32
357.333	0.00	0.07	0.212	O	|	|	|	|	0.36	362.500	0.00	0.06	0.183	O	|	|	|	|	0.31
357.417	0.00	0.07	0.211	O	|	|	|	|	0.36	362.583	0.00	0.06	0.183	O	|	|	|	|	0.31
357.500	0.00	0.07	0.211	O	|	|	|	|	0.36	362.667	0.00	0.06	0.182	O	|	|	|	|	0.31
357.583	0.00	0.07	0.210	O	|	|	|	|	0.36	362.750	0.00	0.06	0.182	O	|	|	|	|	0.31
357.667	0.00	0.07	0.210	O	|	|	|	|	0.36	362.833	0.00	0.06	0.181	O	|	|	|	|	0.31
357.750	0.00	0.07	0.209	O	|	|	|	|	0.36	362.917	0.00	0.06	0.181	O	|	|	|	|	0.31
357.833	0.00	0.07	0.209	O	|	|	|	|	0.36	363.000	0.00	0.06	0.180	O	|	|	|	|	0.31
357.917	0.00	0.07	0.208	O	|	|	|	|	0.36	363.083	0.00	0.06	0.180	O	|	|	|	|	0.31
358.000	0.00	0.07	0.208	O	|	|	|	|	0.36	363.167	0.00	0.06	0.180	O	|	|	|	|	0.31
358.083	0.00	0.07	0.207	O	|	|	|	|	0.36	363.250	0.00	0.06	0.179	O	|	|	|	|	0.31
358.167	0.00	0.07	0.207	O	|	|	|	|	0.36	363.333	0.00	0.06	0.179	O	|	|	|	|	0.31
358.250	0.00	0.07	0.206	O	|	|	|	|	0.36	363.417	0.00	0.06	0.178	O	|	|	|	|	0.31
358.333	0.00	0.07	0.206	O	|	|	|	|	0.35	363.500	0.00	0.06	0.178	O	|	|	|	|	0.31
358.417	0.00	0.07	0.205	O	|	|	|	|	0.35	363.583	0.00	0.06	0.177	O	|	|	|	|	0.31
358.500	0.00	0.07	0.205	O	|	|	|	|	0.35	363.667	0.00	0.06	0.177	O	|	|	|	|	0.30
358.583	0.00	0.07	0.205	O	|	|	|	|	0.35	363.750	0.00	0.06	0.177	O	|	|	|	|	0.30
358.667	0.00	0.07	0.204	O	|	|	|	|	0.35	363.833	0.00	0.06	0.176	O	|	|	|	|	0.30
358.750	0.00	0.07	0.204	O	|	|	|	|	0.35	363.917	0.00	0.06	0.176	O	|	|	|	|	0.30
358.833	0.00	0.07	0.203	O	|	|	|	|	0.35	364.000	0.00	0.06	0.175	O	|	|	|	|	0.30
358.917	0.00	0.07	0.203	O	|	|	|	|	0.35	364.083	0.00	0.06	0.175	O	|	|	|	|	0.30
359.000	0.00	0.07	0.202	O	|	|	|	|	0.35	364.167	0.00	0.06	0.174	O	|	|	|	|	0.30
359.083	0.00	0.07	0.202	O	|	|	|	|	0.35	364.250	0.00	0.06	0.174	O	|	|	|	|	0.30
359.167	0.00	0.07	0.201	O	|	|	|	|	0.35	364.333	0.00	0.06	0.174	O	|	|	|	|	0.30
359.250	0.00	0.07	0.201	O	|	|	|	|	0.35	364.417	0.00	0.06	0.173	O	|	|	|	|	0.30
359.333	0.00	0.07	0.200	O	|	|	|	|	0.34	364.500	0.00	0.06	0.173	O	|	|	|	|	0.30
359.417	0.00	0.07	0.200	O	|	|	|	|	0.34	364.583	0.00	0.06	0.172	O	|	|	|	|	0.30
359.500	0.00	0.07	0.199	O	|	|	|	|	0.34	364.667	0.00	0.06	0.172	O	|	|	|	|	0.30
359.583	0.00	0.07	0.199	O	|	|	|	|	0.34	364.750	0.00	0.06	0.172	O	|	|	|	|	0.30
359.667	0.00	0.07	0.198	O	|	|	|	|	0.34	364.833	0.00	0.06	0.171	O	|	|	|	|	0.29
359.750	0.00	0.07	0.198	O	|	|	|	|	0.34	364.917	0.00	0.06	0.171	O	|	|	|	|	0.29
359.833	0.00	0.07	0.197	O	|	|	|	|	0.34	365.000	0.00	0.06	0.170	O	|	|	|	|	0.29

365.083	0.00	0.06	0.170	O	|	|	|	|	0.29	370.250	0.00	0.05	0.147	O	|	|	|	|	0.25
365.167	0.00	0.06	0.170	O	|	|	|	|	0.29	370.333	0.00	0.05	0.146	O	|	|	|	|	0.25
365.250	0.00	0.06	0.169	O	|	|	|	|	0.29	370.417	0.00	0.05	0.146	O	|	|	|	|	0.25
365.333	0.00	0.06	0.169	O	|	|	|	|	0.29	370.500	0.00	0.05	0.146	O	|	|	|	|	0.25
365.417	0.00	0.06	0.168	O	|	|	|	|	0.29	370.583	0.00	0.05	0.145	O	|	|	|	|	0.25
365.500	0.00	0.06	0.168	O	|	|	|	|	0.29	370.667	0.00	0.05	0.145	O	|	|	|	|	0.25
365.583	0.00	0.06	0.168	O	|	|	|	|	0.29	370.750	0.00	0.05	0.145	O	|	|	|	|	0.25
365.667	0.00	0.06	0.167	O	|	|	|	|	0.29	370.833	0.00	0.05	0.144	O	|	|	|	|	0.25
365.750	0.00	0.06	0.167	O	|	|	|	|	0.29	370.917	0.00	0.05	0.144	O	|	|	|	|	0.25
365.833	0.00	0.06	0.166	O	|	|	|	|	0.29	371.000	0.00	0.05	0.144	O	|	|	|	|	0.25
365.917	0.00	0.06	0.166	O	|	|	|	|	0.29	371.083	0.00	0.05	0.143	O	|	|	|	|	0.25
366.000	0.00	0.06	0.166	O	|	|	|	|	0.29	371.167	0.00	0.05	0.143	O	|	|	|	|	0.25
366.083	0.00	0.06	0.165	O	|	|	|	|	0.28	371.250	0.00	0.05	0.143	O	|	|	|	|	0.25
366.167	0.00	0.06	0.165	O	|	|	|	|	0.28	371.333	0.00	0.05	0.142	O	|	|	|	|	0.24
366.250	0.00	0.06	0.164	O	|	|	|	|	0.28	371.417	0.00	0.05	0.142	O	|	|	|	|	0.24
366.333	0.00	0.06	0.164	O	|	|	|	|	0.28	371.500	0.00	0.05	0.142	O	|	|	|	|	0.24
366.417	0.00	0.06	0.164	O	|	|	|	|	0.28	371.583	0.00	0.05	0.141	O	|	|	|	|	0.24
366.500	0.00	0.06	0.163	O	|	|	|	|	0.28	371.667	0.00	0.05	0.141	O	|	|	|	|	0.24
366.583	0.00	0.06	0.163	O	|	|	|	|	0.28	371.750	0.00	0.05	0.141	O	|	|	|	|	0.24
366.667	0.00	0.06	0.162	O	|	|	|	|	0.28	371.833	0.00	0.05	0.140	O	|	|	|	|	0.24
366.750	0.00	0.06	0.162	O	|	|	|	|	0.28	371.917	0.00	0.05	0.140	O	|	|	|	|	0.24
366.833	0.00	0.06	0.162	O	|	|	|	|	0.28	372.000	0.00	0.05	0.140	O	|	|	|	|	0.24
366.917	0.00	0.06	0.161	O	|	|	|	|	0.28	372.083	0.00	0.05	0.139	O	|	|	|	|	0.24
367.000	0.00	0.06	0.161	O	|	|	|	|	0.28	372.167	0.00	0.05	0.139	O	|	|	|	|	0.24
367.083	0.00	0.06	0.161	O	|	|	|	|	0.28	372.250	0.00	0.05	0.139	O	|	|	|	|	0.24
367.167	0.00	0.06	0.160	O	|	|	|	|	0.28	372.333	0.00	0.05	0.138	O	|	|	|	|	0.24
367.250	0.00	0.06	0.160	O	|	|	|	|	0.28	372.417	0.00	0.05	0.138	O	|	|	|	|	0.24
367.333	0.00	0.05	0.159	O	|	|	|	|	0.27	372.500	0.00	0.05	0.138	O	|	|	|	|	0.24
367.417	0.00	0.05	0.159	O	|	|	|	|	0.27	372.583	0.00	0.05	0.137	O	|	|	|	|	0.24
367.500	0.00	0.05	0.159	O	|	|	|	|	0.27	372.667	0.00	0.05	0.137	O	|	|	|	|	0.24
367.583	0.00	0.05	0.158	O	|	|	|	|	0.27	372.750	0.00	0.05	0.137	O	|	|	|	|	0.24
367.667	0.00	0.05	0.158	O	|	|	|	|	0.27	372.833	0.00	0.05	0.136	O	|	|	|	|	0.23
367.750	0.00	0.05	0.158	O	|	|	|	|	0.27	372.917	0.00	0.05	0.136	O	|	|	|	|	0.23
367.833	0.00	0.05	0.157	O	|	|	|	|	0.27	373.000	0.00	0.05	0.136	O	|	|	|	|	0.23
367.917	0.00	0.05	0.157	O	|	|	|	|	0.27	373.083	0.00	0.05	0.135	O	|	|	|	|	0.23
368.000	0.00	0.05	0.156	O	|	|	|	|	0.27	373.167	0.00	0.05	0.135	O	|	|	|	|	0.23
368.083	0.00	0.05	0.156	O	|	|	|	|	0.27	373.250	0.00	0.05	0.135	O	|	|	|	|	0.23
368.167	0.00	0.05	0.156	O	|	|	|	|	0.27	373.333	0.00	0.05	0.134	O	|	|	|	|	0.23
368.250	0.00	0.05	0.155	O	|	|	|	|	0.27	373.417	0.00	0.05	0.134	O	|	|	|	|	0.23
368.333	0.00	0.05	0.155	O	|	|	|	|	0.27	373.500	0.00	0.05	0.134	O	|	|	|	|	0.23
368.417	0.00	0.05	0.155	O	|	|	|	|	0.27	373.583	0.00	0.05	0.133	O	|	|	|	|	0.23
368.500	0.00	0.05	0.154	O	|	|	|	|	0.27	373.667	0.00	0.05	0.133	O	|	|	|	|	0.23
368.583	0.00	0.05	0.154	O	|	|	|	|	0.26	373.750	0.00	0.05	0.133	O	|	|	|	|	0.23
368.667	0.00	0.05	0.154	O	|	|	|	|	0.26	373.833	0.00	0.05	0.133	O	|	|	|	|	0.23
368.750	0.00	0.05	0.153	O	|	|	|	|	0.26	373.917	0.00	0.05	0.132	O	|	|	|	|	0.23
368.833	0.00	0.05	0.153	O	|	|	|	|	0.26	374.000	0.00	0.05	0.132	O	|	|	|	|	0.23
368.917	0.00	0.05	0.152	O	|	|	|	|	0.26	374.083	0.00	0.05	0.132	O	|	|	|	|	0.23
369.000	0.00	0.05	0.152	O	|	|	|	|	0.26	374.167	0.00	0.05	0.131	O	|	|	|	|	0.23
369.083	0.00	0.05	0.152	O	|	|	|	|	0.26	374.250	0.00	0.05	0.131	O	|	|	|	|	0.23
369.167	0.00	0.05	0.151	O	|	|	|	|	0.26	374.333	0.00	0.04	0.131	O	|	|	|	|	0.22
369.250	0.00	0.05	0.151	O	|	|	|	|	0.26	374.417	0.00	0.04	0.130	O	|	|	|	|	0.22
369.333	0.00	0.05	0.151	O	|	|	|	|	0.26	374.500	0.00	0.04	0.130	O	|	|	|	|	0.22
369.417	0.00	0.05	0.150	O	|	|	|	|	0.26	374.583	0.00	0.04	0.130	O	|	|	|	|	0.22
369.500	0.00	0.05	0.150	O	|	|	|	|	0.26	374.667	0.00	0.04	0.129	O	|	|	|	|	0.22
369.583	0.00	0.05	0.150	O	|	|	|	|	0.26	374.750	0.00	0.04	0.129	O	|	|	|	|	0.22
369.667	0.00	0.05	0.149	O	|	|	|	|	0.26	374.833	0.00	0.04	0.129	O	|	|	|	|	0.22
369.750	0.00	0.05	0.149	O	|	|	|	|	0.26	374.917	0.00	0.04	0.129	O	|	|	|	|	0.22
369.833	0.00	0.05	0.149	O	|	|	|	|	0.26	375.000	0.00	0.04	0.128	O	|	|	|	|	0.22
369.917	0.00	0.05	0.148	O	|	|	|	|	0.25	375.083	0.00	0.04	0.128	O	|	|	|	|	0.22
370.000	0.00	0.05	0.148	O	|	|	|	|	0.25	375.167	0.00	0.04	0.128	O	|	|	|	|	0.22
370.083	0.00	0.05	0.147	O	|	|	|	|	0.25	375.250	0.00	0.04	0.127	O	|	|	|	|	0.22
370.167	0.00	0.05	0.147	O	|	|	|	|	0.25	375.333	0.00	0.04	0.127	O	|	|	|	|	0.22

375.417	0.00	0.04	0.127	O	|	|	|	|	0.22	380.583	0.00	0.04	0.109	O	|	|	|	|	0.19
375.500	0.00	0.04	0.126	O	|	|	|	|	0.22	380.667	0.00	0.04	0.109	O	|	|	|	|	0.19
375.583	0.00	0.04	0.126	O	|	|	|	|	0.22	380.750	0.00	0.04	0.109	O	|	|	|	|	0.19
375.667	0.00	0.04	0.126	O	|	|	|	|	0.22	380.833	0.00	0.04	0.109	O	|	|	|	|	0.19
375.750	0.00	0.04	0.125	O	|	|	|	|	0.22	380.917	0.00	0.04	0.108	O	|	|	|	|	0.19
375.833	0.00	0.04	0.125	O	|	|	|	|	0.22	381.000	0.00	0.04	0.108	O	|	|	|	|	0.19
375.917	0.00	0.04	0.125	O	|	|	|	|	0.21	381.083	0.00	0.04	0.108	O	|	|	|	|	0.19
376.000	0.00	0.04	0.125	O	|	|	|	|	0.21	381.167	0.00	0.04	0.108	O	|	|	|	|	0.19
376.083	0.00	0.04	0.124	O	|	|	|	|	0.21	381.250	0.00	0.04	0.107	O	|	|	|	|	0.18
376.167	0.00	0.04	0.124	O	|	|	|	|	0.21	381.333	0.00	0.04	0.107	O	|	|	|	|	0.18
376.250	0.00	0.04	0.124	O	|	|	|	|	0.21	381.417	0.00	0.04	0.107	O	|	|	|	|	0.18
376.333	0.00	0.04	0.123	O	|	|	|	|	0.21	381.500	0.00	0.04	0.107	O	|	|	|	|	0.18
376.417	0.00	0.04	0.123	O	|	|	|	|	0.21	381.583	0.00	0.04	0.106	O	|	|	|	|	0.18
376.500	0.00	0.04	0.123	O	|	|	|	|	0.21	381.667	0.00	0.04	0.106	O	|	|	|	|	0.18
376.583	0.00	0.04	0.123	O	|	|	|	|	0.21	381.750	0.00	0.04	0.106	O	|	|	|	|	0.18
376.667	0.00	0.04	0.122	O	|	|	|	|	0.21	381.833	0.00	0.04	0.106	O	|	|	|	|	0.18
376.750	0.00	0.04	0.122	O	|	|	|	|	0.21	381.917	0.00	0.04	0.105	O	|	|	|	|	0.18
376.833	0.00	0.04	0.122	O	|	|	|	|	0.21	382.000	0.00	0.04	0.105	O	|	|	|	|	0.18
376.917	0.00	0.04	0.121	O	|	|	|	|	0.21	382.083	0.00	0.04	0.105	O	|	|	|	|	0.18
377.000	0.00	0.04	0.121	O	|	|	|	|	0.21	382.167	0.00	0.04	0.105	O	|	|	|	|	0.18
377.083	0.00	0.04	0.121	O	|	|	|	|	0.21	382.250	0.00	0.04	0.104	O	|	|	|	|	0.18
377.167	0.00	0.04	0.121	O	|	|	|	|	0.21	382.333	0.00	0.04	0.104	O	|	|	|	|	0.18
377.250	0.00	0.04	0.120	O	|	|	|	|	0.21	382.417	0.00	0.04	0.104	O	|	|	|	|	0.18
377.333	0.00	0.04	0.120	O	|	|	|	|	0.21	382.500	0.00	0.04	0.104	O	|	|	|	|	0.18
377.417	0.00	0.04	0.120	O	|	|	|	|	0.21	382.583	0.00	0.04	0.103	O	|	|	|	|	0.18
377.500	0.00	0.04	0.119	O	|	|	|	|	0.21	382.667	0.00	0.04	0.103	O	|	|	|	|	0.18
377.583	0.00	0.04	0.119	O	|	|	|	|	0.21	382.750	0.00	0.04	0.103	O	|	|	|	|	0.18
377.667	0.00	0.04	0.119	O	|	|	|	|	0.20	382.833	0.00	0.04	0.103	O	|	|	|	|	0.18
377.750	0.00	0.04	0.119	O	|	|	|	|	0.20	382.917	0.00	0.04	0.102	O	|	|	|	|	0.18
377.833	0.00	0.04	0.118	O	|	|	|	|	0.20	383.000	0.00	0.04	0.102	O	|	|	|	|	0.18
377.917	0.00	0.04	0.118	O	|	|	|	|	0.20	383.083	0.00	0.04	0.102	O	|	|	|	|	0.18
378.000	0.00	0.04	0.118	O	|	|	|	|	0.20	383.167	0.00	0.03	0.102	O	|	|	|	|	0.17
378.083	0.00	0.04	0.117	O	|	|	|	|	0.20	383.250	0.00	0.03	0.101	O	|	|	|	|	0.17
378.167	0.00	0.04	0.117	O	|	|	|	|	0.20	383.333	0.00	0.03	0.101	O	|	|	|	|	0.17
378.250	0.00	0.04	0.117	O	|	|	|	|	0.20	383.417	0.00	0.03	0.101	O	|	|	|	|	0.17
378.333	0.00	0.04	0.117	O	|	|	|	|	0.20	383.500	0.00	0.03	0.101	O	|	|	|	|	0.17
378.417	0.00	0.04	0.116	O	|	|	|	|	0.20	383.583	0.00	0.03	0.100	O	|	|	|	|	0.17
378.500	0.00	0.04	0.116	O	|	|	|	|	0.20	383.667	0.00	0.03	0.100	O	|	|	|	|	0.17
378.583	0.00	0.04	0.116	O	|	|	|	|	0.20	383.750	0.00	0.03	0.100	O	|	|	|	|	0.17
378.667	0.00	0.04	0.116	O	|	|	|	|	0.20	383.833	0.00	0.03	0.100	O	|	|	|	|	0.17
378.750	0.00	0.04	0.115	O	|	|	|	|	0.20	383.917	0.00	0.03	0.099	O	|	|	|	|	0.17
378.833	0.00	0.04	0.115	O	|	|	|	|	0.20	384.000	0.00	0.03	0.099	O	|	|	|	|	0.17
378.917	0.00	0.04	0.115	O	|	|	|	|	0.20	384.083	0.00	0.03	0.099	O	|	|	|	|	0.17
379.000	0.00	0.04	0.114	O	|	|	|	|	0.20	384.167	0.00	0.03	0.099	O	|	|	|	|	0.17
379.083	0.00	0.04	0.114	O	|	|	|	|	0.20	384.250	0.00	0.03	0.099	O	|	|	|	|	0.17
379.167	0.00	0.04	0.114	O	|	|	|	|	0.20	384.333	0.00	0.03	0.098	O	|	|	|	|	0.17
379.250	0.00	0.04	0.114	O	|	|	|	|	0.20	384.417	0.00	0.03	0.098	O	|	|	|	|	0.17
379.333	0.00	0.04	0.113	O	|	|	|	|	0.20	384.500	0.00	0.03	0.098	O	|	|	|	|	0.17
379.417	0.00	0.04	0.113	O	|	|	|	|	0.19	384.583	0.00	0.03	0.098	O	|	|	|	|	0.17
379.500	0.00	0.04	0.113	O	|	|	|	|	0.19	384.667	0.00	0.03	0.097	O	|	|	|	|	0.17
379.583	0.00	0.04	0.113	O	|	|	|	|	0.19	384.750	0.00	0.03	0.097	O	|	|	|	|	0.17
379.667	0.00	0.04	0.112	O	|	|	|	|	0.19	384.833	0.00	0.03	0.097	O	|	|	|	|	0.17
379.750	0.00	0.04	0.112	O	|	|	|	|	0.19	384.917	0.00	0.03	0.097	O	|	|	|	|	0.17
379.833	0.00	0.04	0.112	O	|	|	|	|	0.19	385.000	0.00	0.03	0.096	O	|	|	|	|	0.17
379.917	0.00	0.04	0.111	O	|	|	|	|	0.19	385.083	0.00	0.03	0.096	O	|	|	|	|	0.17
380.000	0.00	0.04	0.111	O	|	|	|	|	0.19	385.167	0.00	0.03	0.096	O	|	|	|	|	0.17
380.083	0.00	0.04	0.111	O	|	|	|	|	0.19	385.250	0.00	0.03	0.096	O	|	|	|	|	0.16
380.167	0.00	0.04	0.111	O	|	|	|	|	0.19	385.333	0.00	0.03	0.096	O	|	|	|	|	0.16
380.250	0.00	0.04	0.110	O	|	|	|	|	0.19	385.417	0.00	0.03	0.095	O	|	|	|	|	0.16
380.333	0.00	0.04	0.110	O	|	|	|	|	0.19	385.500	0.00	0.03	0.095	O	|	|	|	|	0.16
380.417	0.00	0.04	0.110	O	|	|	|	|	0.19	385.583	0.00	0.03	0.095	O	|	|	|	|	0.16
380.500	0.00	0.04	0.110	O	|	|	|	|	0.19	385.667	0.00	0.03	0.095	O	|	|	|	|	0.16

385.750	0.00	0.03	0.094	O	|	|	|	|	0.16	390.917	0.00	0.03	0.082	O	|	|	|	|	0.14
385.833	0.00	0.03	0.094	O	|	|	|	|	0.16	391.000	0.00	0.03	0.081	O	|	|	|	|	0.14
385.917	0.00	0.03	0.094	O	|	|	|	|	0.16	391.083	0.00	0.03	0.081	O	|	|	|	|	0.14
386.000	0.00	0.03	0.094	O	|	|	|	|	0.16	391.167	0.00	0.03	0.081	O	|	|	|	|	0.14
386.083	0.00	0.03	0.094	O	|	|	|	|	0.16	391.250	0.00	0.03	0.081	O	|	|	|	|	0.14
386.167	0.00	0.03	0.093	O	|	|	|	|	0.16	391.333	0.00	0.03	0.081	O	|	|	|	|	0.14
386.250	0.00	0.03	0.093	O	|	|	|	|	0.16	391.417	0.00	0.03	0.080	O	|	|	|	|	0.14
386.333	0.00	0.03	0.093	O	|	|	|	|	0.16	391.500	0.00	0.03	0.080	O	|	|	|	|	0.14
386.417	0.00	0.03	0.093	O	|	|	|	|	0.16	391.583	0.00	0.03	0.080	O	|	|	|	|	0.14
386.500	0.00	0.03	0.092	O	|	|	|	|	0.16	391.667	0.00	0.03	0.080	O	|	|	|	|	0.14
386.583	0.00	0.03	0.092	O	|	|	|	|	0.16	391.750	0.00	0.03	0.080	O	|	|	|	|	0.14
386.667	0.00	0.03	0.092	O	|	|	|	|	0.16	391.833	0.00	0.03	0.079	O	|	|	|	|	0.14
386.750	0.00	0.03	0.092	O	|	|	|	|	0.16	391.917	0.00	0.03	0.079	O	|	|	|	|	0.14
386.833	0.00	0.03	0.092	O	|	|	|	|	0.16	392.000	0.00	0.03	0.079	O	|	|	|	|	0.14
386.917	0.00	0.03	0.091	O	|	|	|	|	0.16	392.083	0.00	0.03	0.079	O	|	|	|	|	0.14
387.000	0.00	0.03	0.091	O	|	|	|	|	0.16	392.167	0.00	0.03	0.079	O	|	|	|	|	0.14
387.083	0.00	0.03	0.091	O	|	|	|	|	0.16	392.250	0.00	0.03	0.078	O	|	|	|	|	0.14
387.167	0.00	0.03	0.091	O	|	|	|	|	0.16	392.333	0.00	0.03	0.078	O	|	|	|	|	0.13
387.250	0.00	0.03	0.090	O	|	|	|	|	0.16	392.417	0.00	0.03	0.078	O	|	|	|	|	0.13
387.333	0.00	0.03	0.090	O	|	|	|	|	0.16	392.500	0.00	0.03	0.078	O	|	|	|	|	0.13
387.417	0.00	0.03	0.090	O	|	|	|	|	0.15	392.583	0.00	0.03	0.078	O	|	|	|	|	0.13
387.500	0.00	0.03	0.090	O	|	|	|	|	0.15	392.667	0.00	0.03	0.078	O	|	|	|	|	0.13
387.583	0.00	0.03	0.090	O	|	|	|	|	0.15	392.750	0.00	0.03	0.077	O	|	|	|	|	0.13
387.667	0.00	0.03	0.089	O	|	|	|	|	0.15	392.833	0.00	0.03	0.077	O	|	|	|	|	0.13
387.750	0.00	0.03	0.089	O	|	|	|	|	0.15	392.917	0.00	0.03	0.077	O	|	|	|	|	0.13
387.833	0.00	0.03	0.089	O	|	|	|	|	0.15	393.000	0.00	0.03	0.077	O	|	|	|	|	0.13
387.917	0.00	0.03	0.089	O	|	|	|	|	0.15	393.083	0.00	0.03	0.077	O	|	|	|	|	0.13
388.000	0.00	0.03	0.089	O	|	|	|	|	0.15	393.167	0.00	0.03	0.076	O	|	|	|	|	0.13
388.083	0.00	0.03	0.088	O	|	|	|	|	0.15	393.250	0.00	0.03	0.076	O	|	|	|	|	0.13
388.167	0.00	0.03	0.088	O	|	|	|	|	0.15	393.333	0.00	0.03	0.076	O	|	|	|	|	0.13
388.250	0.00	0.03	0.088	O	|	|	|	|	0.15	393.417	0.00	0.03	0.076	O	|	|	|	|	0.13
388.333	0.00	0.03	0.088	O	|	|	|	|	0.15	393.500	0.00	0.03	0.076	O	|	|	|	|	0.13
388.417	0.00	0.03	0.088	O	|	|	|	|	0.15	393.583	0.00	0.03	0.076	O	|	|	|	|	0.13
388.500	0.00	0.03	0.087	O	|	|	|	|	0.15	393.667	0.00	0.03	0.075	O	|	|	|	|	0.13
388.583	0.00	0.03	0.087	O	|	|	|	|	0.15	393.750	0.00	0.03	0.075	O	|	|	|	|	0.13
388.667	0.00	0.03	0.087	O	|	|	|	|	0.15	393.833	0.00	0.03	0.075	O	|	|	|	|	0.13
388.750	0.00	0.03	0.087	O	|	|	|	|	0.15	393.917	0.00	0.03	0.075	O	|	|	|	|	0.13
388.833	0.00	0.03	0.086	O	|	|	|	|	0.15	394.000	0.00	0.03	0.075	O	|	|	|	|	0.13
388.917	0.00	0.03	0.086	O	|	|	|	|	0.15	394.083	0.00	0.03	0.074	O	|	|	|	|	0.13
389.000	0.00	0.03	0.086	O	|	|	|	|	0.15	394.167	0.00	0.03	0.074	O	|	|	|	|	0.13
389.083	0.00	0.03	0.086	O	|	|	|	|	0.15	394.250	0.00	0.03	0.074	O	|	|	|	|	0.13
389.167	0.00	0.03	0.086	O	|	|	|	|	0.15	394.333	0.00	0.03	0.074	O	|	|	|	|	0.13
389.250	0.00	0.03	0.085	O	|	|	|	|	0.15	394.417	0.00	0.03	0.074	O	|	|	|	|	0.13
389.333	0.00	0.03	0.085	O	|	|	|	|	0.15	394.500	0.00	0.03	0.074	O	|	|	|	|	0.13
389.417	0.00	0.03	0.085	O	|	|	|	|	0.15	394.583	0.00	0.03	0.073	O	|	|	|	|	0.13
389.500	0.00	0.03	0.085	O	|	|	|	|	0.15	394.667	0.00	0.03	0.073	O	|	|	|	|	0.13
389.583	0.00	0.03	0.085	O	|	|	|	|	0.15	394.750	0.00	0.03	0.073	O	|	|	|	|	0.13
389.667	0.00	0.03	0.084	O	|	|	|	|	0.15	394.833	0.00	0.03	0.073	O	|	|	|	|	0.13
389.750	0.00	0.03	0.084	O	|	|	|	|	0.15	394.917	0.00	0.03	0.073	O	|	|	|	|	0.13
389.833	0.00	0.03	0.084	O	|	|	|	|	0.14	395.000	0.00	0.02	0.073	O	|	|	|	|	0.12
389.917	0.00	0.03	0.084	O	|	|	|	|	0.14	395.083	0.00	0.02	0.072	O	|	|	|	|	0.12
390.000	0.00	0.03	0.084	O	|	|	|	|	0.14	395.167	0.00	0.02	0.072	O	|	|	|	|	0.12
390.083	0.00	0.03	0.083	O	|	|	|	|	0.14	395.250	0.00	0.02	0.072	O	|	|	|	|	0.12
390.167	0.00	0.03	0.083	O	|	|	|	|	0.14	395.333	0.00	0.02	0.072	O	|	|	|	|	0.12
390.250	0.00	0.03	0.083	O	|	|	|	|	0.14	395.417	0.00	0.02	0.072	O	|	|	|	|	0.12
390.333	0.00	0.03	0.083	O	|	|	|	|	0.14	395.500	0.00	0.02	0.072	O	|	|	|	|	0.12
390.417	0.00	0.03	0.083	O	|	|	|	|	0.14	395.583	0.00	0.02	0.071	O	|	|	|	|	0.12
390.500	0.00	0.03	0.082	O	|	|	|	|	0.14	395.667	0.00	0.02	0.071	O	|	|	|	|	0.12
390.583	0.00	0.03	0.082	O	|	|	|	|	0.14	395.750	0.00	0.02	0.071	O	|	|	|	|	0.12
390.667	0.00	0.03	0.082	O	|	|	|	|	0.14	395.833	0.00	0.02	0.071	O	|	|	|	|	0.12
390.750	0.00	0.03	0.082	O	|	|	|	|	0.14	395.917	0.00	0.02	0.071	O	|	|	|	|	0.12
390.833	0.00	0.03	0.082	O	|	|	|	|	0.14	396.000	0.00	0.02	0.071	O	|	|	|	|	0.12

396.083	0.00	0.02	0.070	O	|	|	|	|	0.12	401.250	0.00	0.02	0.061	O	|	|	|	|	0.10
396.167	0.00	0.02	0.070	O	|	|	|	|	0.12	401.333	0.00	0.02	0.061	O	|	|	|	|	0.10
396.250	0.00	0.02	0.070	O	|	|	|	|	0.12	401.417	0.00	0.02	0.060	O	|	|	|	|	0.10
396.333	0.00	0.02	0.070	O	|	|	|	|	0.12	401.500	0.00	0.02	0.060	O	|	|	|	|	0.10
396.417	0.00	0.02	0.070	O	|	|	|	|	0.12	401.583	0.00	0.02	0.060	O	|	|	|	|	0.10
396.500	0.00	0.02	0.070	O	|	|	|	|	0.12	401.667	0.00	0.02	0.060	O	|	|	|	|	0.10
396.583	0.00	0.02	0.069	O	|	|	|	|	0.12	401.750	0.00	0.02	0.060	O	|	|	|	|	0.10
396.667	0.00	0.02	0.069	O	|	|	|	|	0.12	401.833	0.00	0.02	0.060	O	|	|	|	|	0.10
396.750	0.00	0.02	0.069	O	|	|	|	|	0.12	401.917	0.00	0.02	0.060	O	|	|	|	|	0.10
396.833	0.00	0.02	0.069	O	|	|	|	|	0.12	402.000	0.00	0.02	0.059	O	|	|	|	|	0.10
396.917	0.00	0.02	0.069	O	|	|	|	|	0.12	402.083	0.00	0.02	0.059	O	|	|	|	|	0.10
397.000	0.00	0.02	0.069	O	|	|	|	|	0.12	402.167	0.00	0.02	0.059	O	|	|	|	|	0.10
397.083	0.00	0.02	0.068	O	|	|	|	|	0.12	402.250	0.00	0.02	0.059	O	|	|	|	|	0.10
397.167	0.00	0.02	0.068	O	|	|	|	|	0.12	402.333	0.00	0.02	0.059	O	|	|	|	|	0.10
397.250	0.00	0.02	0.068	O	|	|	|	|	0.12	402.417	0.00	0.02	0.059	O	|	|	|	|	0.10
397.333	0.00	0.02	0.068	O	|	|	|	|	0.12	402.500	0.00	0.02	0.059	O	|	|	|	|	0.10
397.417	0.00	0.02	0.068	O	|	|	|	|	0.12	402.583	0.00	0.02	0.058	O	|	|	|	|	0.10
397.500	0.00	0.02	0.068	O	|	|	|	|	0.12	402.667	0.00	0.02	0.058	O	|	|	|	|	0.10
397.583	0.00	0.02	0.067	O	|	|	|	|	0.12	402.750	0.00	0.02	0.058	O	|	|	|	|	0.10
397.667	0.00	0.02	0.067	O	|	|	|	|	0.12	402.833	0.00	0.02	0.058	O	|	|	|	|	0.10
397.750	0.00	0.02	0.067	O	|	|	|	|	0.12	402.917	0.00	0.02	0.058	O	|	|	|	|	0.10
397.833	0.00	0.02	0.067	O	|	|	|	|	0.12	403.000	0.00	0.02	0.058	O	|	|	|	|	0.10
397.917	0.00	0.02	0.067	O	|	|	|	|	0.11	403.083	0.00	0.02	0.058	O	|	|	|	|	0.10
398.000	0.00	0.02	0.067	O	|	|	|	|	0.11	403.167	0.00	0.02	0.058	O	|	|	|	|	0.10
398.083	0.00	0.02	0.066	O	|	|	|	|	0.11	403.250	0.00	0.02	0.057	O	|	|	|	|	0.10
398.167	0.00	0.02	0.066	O	|	|	|	|	0.11	403.333	0.00	0.02	0.057	O	|	|	|	|	0.10
398.250	0.00	0.02	0.066	O	|	|	|	|	0.11	403.417	0.00	0.02	0.057	O	|	|	|	|	0.10
398.333	0.00	0.02	0.066	O	|	|	|	|	0.11	403.500	0.00	0.02	0.057	O	|	|	|	|	0.10
398.417	0.00	0.02	0.066	O	|	|	|	|	0.11	403.583	0.00	0.02	0.057	O	|	|	|	|	0.10
398.500	0.00	0.02	0.066	O	|	|	|	|	0.11	403.667	0.00	0.02	0.057	O	|	|	|	|	0.10
398.583	0.00	0.02	0.066	O	|	|	|	|	0.11	403.750	0.00	0.02	0.057	O	|	|	|	|	0.10
398.667	0.00	0.02	0.065	O	|	|	|	|	0.11	403.833	0.00	0.02	0.056	O	|	|	|	|	0.10
398.750	0.00	0.02	0.065	O	|	|	|	|	0.11	403.917	0.00	0.02	0.056	O	|	|	|	|	0.10
398.833	0.00	0.02	0.065	O	|	|	|	|	0.11	404.000	0.00	0.02	0.056	O	|	|	|	|	0.10
398.917	0.00	0.02	0.065	O	|	|	|	|	0.11	404.083	0.00	0.02	0.056	O	|	|	|	|	0.10
399.000	0.00	0.02	0.065	O	|	|	|	|	0.11	404.167	0.00	0.02	0.056	O	|	|	|	|	0.10
399.083	0.00	0.02	0.065	O	|	|	|	|	0.11	404.250	0.00	0.02	0.056	O	|	|	|	|	0.10
399.167	0.00	0.02	0.064	O	|	|	|	|	0.11	404.333	0.00	0.02	0.056	O	|	|	|	|	0.10
399.250	0.00	0.02	0.064	O	|	|	|	|	0.11	404.417	0.00	0.02	0.056	O	|	|	|	|	0.10
399.333	0.00	0.02	0.064	O	|	|	|	|	0.11	404.500	0.00	0.02	0.055	O	|	|	|	|	0.10
399.417	0.00	0.02	0.064	O	|	|	|	|	0.11	404.583	0.00	0.02	0.055	O	|	|	|	|	0.10
399.500	0.00	0.02	0.064	O	|	|	|	|	0.11	404.667	0.00	0.02	0.055	O	|	|	|	|	0.09
399.583	0.00	0.02	0.064	O	|	|	|	|	0.11	404.750	0.00	0.02	0.055	O	|	|	|	|	0.09
399.667	0.00	0.02	0.064	O	|	|	|	|	0.11	404.833	0.00	0.02	0.055	O	|	|	|	|	0.09
399.750	0.00	0.02	0.063	O	|	|	|	|	0.11	404.917	0.00	0.02	0.055	O	|	|	|	|	0.09
399.833	0.00	0.02	0.063	O	|	|	|	|	0.11	405.000	0.00	0.02	0.055	O	|	|	|	|	0.09
399.917	0.00	0.02	0.063	O	|	|	|	|	0.11	405.083	0.00	0.02	0.054	O	|	|	|	|	0.09
400.000	0.00	0.02	0.063	O	|	|	|	|	0.11	405.167	0.00	0.02	0.054	O	|	|	|	|	0.09
400.083	0.00	0.02	0.063	O	|	|	|	|	0.11	405.250	0.00	0.02	0.054	O	|	|	|	|	0.09
400.167	0.00	0.02	0.063	O	|	|	|	|	0.11	405.333	0.00	0.02	0.054	O	|	|	|	|	0.09
400.250	0.00	0.02	0.063	O	|	|	|	|	0.11	405.417	0.00	0.02	0.054	O	|	|	|	|	0.09
400.333	0.00	0.02	0.062	O	|	|	|	|	0.11	405.500	0.00	0.02	0.054	O	|	|	|	|	0.09
400.417	0.00	0.02	0.062	O	|	|	|	|	0.11	405.583	0.00	0.02	0.054	O	|	|	|	|	0.09
400.500	0.00	0.02	0.062	O	|	|	|	|	0.11	405.667	0.00	0.02	0.054	O	|	|	|	|	0.09
400.583	0.00	0.02	0.062	O	|	|	|	|	0.11	405.750	0.00	0.02	0.053	O	|	|	|	|	0.09
400.667	0.00	0.02	0.062	O	|	|	|	|	0.11	405.833	0.00	0.02	0.053	O	|	|	|	|	0.09
400.750	0.00	0.02	0.062	O	|	|	|	|	0.11	405.917	0.00	0.02	0.053	O	|	|	|	|	0.09
400.833	0.00	0.02	0.061	O	|	|	|	|	0.11	406.000	0.00	0.02	0.053	O	|	|	|	|	0.09
400.917	0.00	0.02	0.061	O	|	|	|	|	0.11	406.083	0.00	0.02	0.053	O	|	|	|	|	0.09
401.000	0.00	0.02	0.061	O	|	|	|	|	0.11	406.167	0.00	0.02	0.053	O	|	|	|	|	0.09
401.083	0.00	0.02	0.061	O	|	|	|	|	0.11	406.250	0.00	0.02	0.053	O	|	|	|	|	0.09
401.167	0.00	0.02	0.061	O	|	|	|	|	0.10	406.333	0.00	0.02	0.053	O	|	|	|	|	0.09

406.417	0.00	0.02	0.052	O	|	|	|	|	0.09	411.583	0.00	0.02	0.045	O	|	|	|	|	0.08
406.500	0.00	0.02	0.052	O	|	|	|	|	0.09	411.667	0.00	0.02	0.045	O	|	|	|	|	0.08
406.583	0.00	0.02	0.052	O	|	|	|	|	0.09	411.750	0.00	0.02	0.045	O	|	|	|	|	0.08
406.667	0.00	0.02	0.052	O	|	|	|	|	0.09	411.833	0.00	0.02	0.045	O	|	|	|	|	0.08
406.750	0.00	0.02	0.052	O	|	|	|	|	0.09	411.917	0.00	0.02	0.045	O	|	|	|	|	0.08
406.833	0.00	0.02	0.052	O	|	|	|	|	0.09	412.000	0.00	0.02	0.045	O	|	|	|	|	0.08
406.917	0.00	0.02	0.052	O	|	|	|	|	0.09	412.083	0.00	0.02	0.045	O	|	|	|	|	0.08
407.000	0.00	0.02	0.052	O	|	|	|	|	0.09	412.167	0.00	0.02	0.045	O	|	|	|	|	0.08
407.083	0.00	0.02	0.051	O	|	|	|	|	0.09	412.250	0.00	0.02	0.044	O	|	|	|	|	0.08
407.167	0.00	0.02	0.051	O	|	|	|	|	0.09	412.333	0.00	0.02	0.044	O	|	|	|	|	0.08
407.250	0.00	0.02	0.051	O	|	|	|	|	0.09	412.417	0.00	0.02	0.044	O	|	|	|	|	0.08
407.333	0.00	0.02	0.051	O	|	|	|	|	0.09	412.500	0.00	0.02	0.044	O	|	|	|	|	0.08
407.417	0.00	0.02	0.051	O	|	|	|	|	0.09	412.583	0.00	0.02	0.044	O	|	|	|	|	0.08
407.500	0.00	0.02	0.051	O	|	|	|	|	0.09	412.667	0.00	0.02	0.044	O	|	|	|	|	0.08
407.583	0.00	0.02	0.051	O	|	|	|	|	0.09	412.750	0.00	0.02	0.044	O	|	|	|	|	0.08
407.667	0.00	0.02	0.051	O	|	|	|	|	0.09	412.833	0.00	0.02	0.044	O	|	|	|	|	0.08
407.750	0.00	0.02	0.050	O	|	|	|	|	0.09	412.917	0.00	0.02	0.044	O	|	|	|	|	0.08
407.833	0.00	0.02	0.050	O	|	|	|	|	0.09	413.000	0.00	0.01	0.043	O	|	|	|	|	0.07
407.917	0.00	0.02	0.050	O	|	|	|	|	0.09	413.083	0.00	0.01	0.043	O	|	|	|	|	0.07
408.000	0.00	0.02	0.050	O	|	|	|	|	0.09	413.167	0.00	0.01	0.043	O	|	|	|	|	0.07
408.083	0.00	0.02	0.050	O	|	|	|	|	0.09	413.250	0.00	0.01	0.043	O	|	|	|	|	0.07
408.167	0.00	0.02	0.050	O	|	|	|	|	0.09	413.333	0.00	0.01	0.043	O	|	|	|	|	0.07
408.250	0.00	0.02	0.050	O	|	|	|	|	0.09	413.417	0.00	0.01	0.043	O	|	|	|	|	0.07
408.333	0.00	0.02	0.050	O	|	|	|	|	0.09	413.500	0.00	0.01	0.043	O	|	|	|	|	0.07
408.417	0.00	0.02	0.050	O	|	|	|	|	0.09	413.583	0.00	0.01	0.043	O	|	|	|	|	0.07
408.500	0.00	0.02	0.049	O	|	|	|	|	0.09	413.667	0.00	0.01	0.043	O	|	|	|	|	0.07
408.583	0.00	0.02	0.049	O	|	|	|	|	0.08	413.750	0.00	0.01	0.043	O	|	|	|	|	0.07
408.667	0.00	0.02	0.049	O	|	|	|	|	0.08	413.833	0.00	0.01	0.042	O	|	|	|	|	0.07
408.750	0.00	0.02	0.049	O	|	|	|	|	0.08	413.917	0.00	0.01	0.042	O	|	|	|	|	0.07
408.833	0.00	0.02	0.049	O	|	|	|	|	0.08	414.000	0.00	0.01	0.042	O	|	|	|	|	0.07
408.917	0.00	0.02	0.049	O	|	|	|	|	0.08	414.083	0.00	0.01	0.042	O	|	|	|	|	0.07
409.000	0.00	0.02	0.049	O	|	|	|	|	0.08	414.167	0.00	0.01	0.042	O	|	|	|	|	0.07
409.083	0.00	0.02	0.049	O	|	|	|	|	0.08	414.250	0.00	0.01	0.042	O	|	|	|	|	0.07
409.167	0.00	0.02	0.049	O	|	|	|	|	0.08	414.333	0.00	0.01	0.042	O	|	|	|	|	0.07
409.250	0.00	0.02	0.048	O	|	|	|	|	0.08	414.417	0.00	0.01	0.042	O	|	|	|	|	0.07
409.333	0.00	0.02	0.048	O	|	|	|	|	0.08	414.500	0.00	0.01	0.042	O	|	|	|	|	0.07
409.417	0.00	0.02	0.048	O	|	|	|	|	0.08	414.583	0.00	0.01	0.042	O	|	|	|	|	0.07
409.500	0.00	0.02	0.048	O	|	|	|	|	0.08	414.667	0.00	0.01	0.041	O	|	|	|	|	0.07
409.583	0.00	0.02	0.048	O	|	|	|	|	0.08	414.750	0.00	0.01	0.041	O	|	|	|	|	0.07
409.667	0.00	0.02	0.048	O	|	|	|	|	0.08	414.833	0.00	0.01	0.041	O	|	|	|	|	0.07
409.750	0.00	0.02	0.048	O	|	|	|	|	0.08	414.917	0.00	0.01	0.041	O	|	|	|	|	0.07
409.833	0.00	0.02	0.048	O	|	|	|	|	0.08	415.000	0.00	0.01	0.041	O	|	|	|	|	0.07
409.917	0.00	0.02	0.047	O	|	|	|	|	0.08	415.083	0.00	0.01	0.041	O	|	|	|	|	0.07
410.000	0.00	0.02	0.047	O	|	|	|	|	0.08	415.167	0.00	0.01	0.041	O	|	|	|	|	0.07
410.083	0.00	0.02	0.047	O	|	|	|	|	0.08	415.250	0.00	0.01	0.041	O	|	|	|	|	0.07
410.167	0.00	0.02	0.047	O	|	|	|	|	0.08	415.333	0.00	0.01	0.041	O	|	|	|	|	0.07
410.250	0.00	0.02	0.047	O	|	|	|	|	0.08	415.417	0.00	0.01	0.041	O	|	|	|	|	0.07
410.333	0.00	0.02	0.047	O	|	|	|	|	0.08	415.500	0.00	0.01	0.041	O	|	|	|	|	0.07
410.417	0.00	0.02	0.047	O	|	|	|	|	0.08	415.583	0.00	0.01	0.040	O	|	|	|	|	0.07
410.500	0.00	0.02	0.047	O	|	|	|	|	0.08	415.667	0.00	0.01	0.040	O	|	|	|	|	0.07
410.583	0.00	0.02	0.047	O	|	|	|	|	0.08	415.750	0.00	0.01	0.040	O	|	|	|	|	0.07
410.667	0.00	0.02	0.046	O	|	|	|	|	0.08	415.833	0.00	0.01	0.040	O	|	|	|	|	0.07
410.750	0.00	0.02	0.046	O	|	|	|	|	0.08	415.917	0.00	0.01	0.040	O	|	|	|	|	0.07
410.833	0.00	0.02	0.046	O	|	|	|	|	0.08	416.000	0.00	0.01	0.040	O	|	|	|	|	0.07
410.917	0.00	0.02	0.046	O	|	|	|	|	0.08	416.083	0.00	0.01	0.040	O	|	|	|	|	0.07
411.000	0.00	0.02	0.046	O	|	|	|	|	0.08	416.167	0.00	0.01	0.040	O	|	|	|	|	0.07
411.083	0.00	0.02	0.046	O	|	|	|	|	0.08	416.250	0.00	0.01	0.040	O	|	|	|	|	0.07
411.167	0.00	0.02	0.046	O	|	|	|	|	0.08	416.333	0.00	0.01	0.040	O	|	|	|	|	0.07
411.250	0.00	0.02	0.046	O	|	|	|	|	0.08	416.417	0.00	0.01	0.039	O	|	|	|	|	0.07
411.333	0.00	0.02	0.046	O	|	|	|	|	0.08	416.500	0.00	0.01	0.039	O	|	|	|	|	0.07
411.417	0.00	0.02	0.045	O	|	|	|	|	0.08	416.583	0.00	0.01	0.039	O	|	|	|	|	0.07
411.500	0.00	0.02	0.045	O	|	|	|	|	0.08	416.667	0.00	0.01	0.039	O	|	|	|	|	0.07

Remaining water in basin = 0.04 (Ac.Ft)

**********HYDROGRAPH DATA**********
Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 57.262 (CFS)
Total volume = 38.396 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Process from Point/Station 4.100 to Point/Station 4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 1 with
a starting time of 0.00 hours and ending time of 24.00 hours
With a total volume of 24.42(Ac.Ft)

**********HYDROGRAPH DATA**********
Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	57.262	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	24.418	0.000	0.000	0.000	0.000

Process from Point/Station 4.100 to Point/Station 4.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
Current stream hydrograph deleted by user.

**********HYDROGRAPH DATA**********
Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	57.262	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	24.418	0.000	0.000	0.000	0.000

Process from Point/Station 4.290 to Point/Station 4.200

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

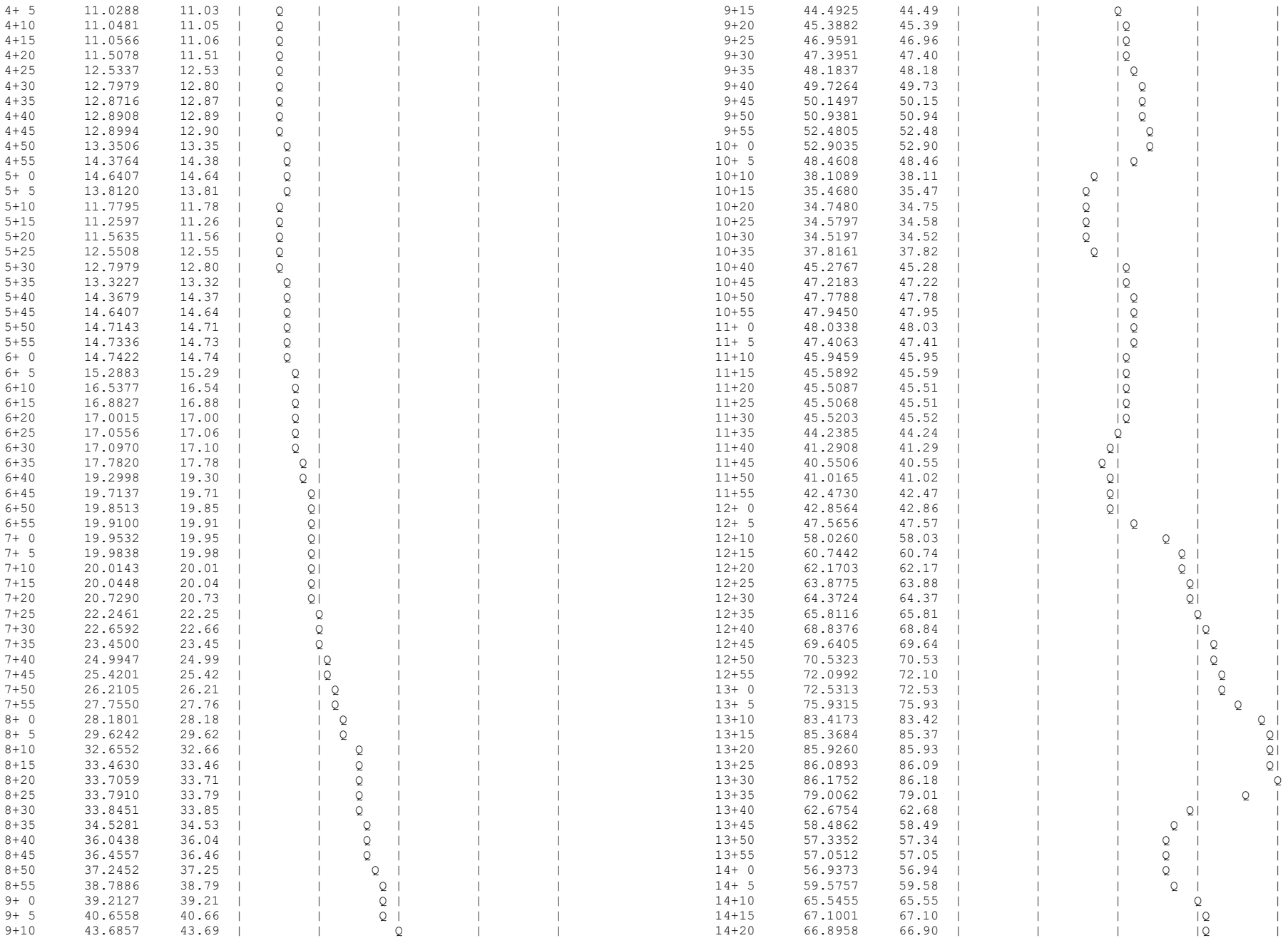
********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP4E10024100.rte

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	21.5	43.1	64.6	86.2
0+ 5	0.9023	0.90	Q				
0+10	2.9541	2.95	Q				
0+15	3.4825	3.48	Q				
0+20	4.0810	4.08	Q				
0+25	5.1454	5.15	Q				
0+30	5.4268	5.43	Q				
0+35	5.5005	5.50	Q				
0+40	5.5197	5.52	Q				
0+45	5.5283	5.53	Q				
0+50	5.9795	5.98	Q				
0+55	7.0053	7.01	Q				
1+ 0	7.2696	7.27	Q				
1+ 5	6.8921	6.89	Q				
1+10	5.8855	5.89	Q				
1+15	5.6298	5.63	Q				
1+20	5.5562	5.56	Q				
1+25	5.5369	5.54	Q				
1+30	5.5283	5.53	Q				
1+35	5.5283	5.53	Q				
1+40	5.5283	5.53	Q				
1+45	5.5283	5.53	Q				
1+50	5.9795	5.98	Q				
1+55	7.0053	7.01	Q				
2+ 0	7.2696	7.27	Q				
2+ 5	7.3432	7.34	Q				
2+10	7.3625	7.36	Q				
2+15	7.3711	7.37	Q				
2+20	7.3711	7.37	Q				
2+25	7.3711	7.37	Q				
2+30	7.3711	7.37	Q				
2+35	7.8223	7.82	Q				
2+40	8.8481	8.85	Q				
2+45	9.1124	9.11	Q				
2+50	9.1860	9.19	Q				
2+55	9.2053	9.21	Q				
3+ 0	9.2139	9.21	Q				
3+ 5	9.2139	9.21	Q				
3+10	9.2139	9.21	Q				
3+15	9.2139	9.21	Q				
3+20	9.2139	9.21	Q				
3+25	9.2139	9.21	Q				
3+30	9.2139	9.21	Q				
3+35	9.2139	9.21	Q				
3+40	9.2139	9.21	Q				
3+45	9.2139	9.21	Q				
3+50	9.6650	9.67	Q				
3+55	10.6909	10.69	Q				
4+ 0	10.9551	10.96	Q				



| | | |

14+25	65.5432	65.54	|	|	| Q	|
14+30	65.2324	65.23	|	|	| Q	|
14+35	65.1480	65.15	|	|	| Q	|
14+40	65.1422	65.14	|	|	| Q	|
14+45	65.1518	65.15	|	|	| Q	|
14+50	64.5199	64.52	|	|	| Q|	|
14+55	63.0550	63.06	|	|	| Q|	|
15+ 0	62.6938	62.69	|	|	| Q|	|
15+ 5	61.9549	61.95	|	|	| Q	|
15+10	60.4617	60.46	|	|	| Q	|
15+15	60.0877	60.09	|	|	| Q	|
15+20	59.3484	59.35	|	|	| Q	|
15+25	57.8550	57.85	|	|	| Q	|
15+30	57.4806	57.48	|	|	| Q	|
15+35	54.7794	54.78	|	|	| Q	|
15+40	48.8253	48.83	|	|	| Q	|
15+45	47.3018	47.30	|	|	|Q	|
15+50	46.8955	46.90	|	|	|Q	|
15+55	46.8043	46.80	|	|	|Q	|
16+ 0	46.7749	46.77	|	|	|Q	|
16+ 5	37.1379	37.14	|	| Q	|	|
16+10	15.1945	15.19	|	Q	|	|	|
16+15	9.5424	9.54	| Q	|	|	|	|
16+20	7.9669	7.97	| Q	|	|	|	|
16+25	7.5548	7.55	| Q	|	|	|	|
16+30	7.3711	7.37	| Q	|	|	|	|
16+35	6.9199	6.92	| Q	|	|	|	|
16+40	5.8941	5.89	| Q	|	|	|	|
16+45	5.6298	5.63	| Q	|	|	|	|
16+50	5.5562	5.56	| Q	|	|	|	|
16+55	5.5369	5.54	| Q	|	|	|	|
17+ 0	5.5283	5.53	| Q	|	|	|	|
17+ 5	6.5397	6.54	| Q	|	|	|	|
17+10	8.8440	8.84	| Q	|	|	|	|
17+15	9.4512	9.45	| Q	|	|	|	|
17+20	9.6338	9.63	| Q	|	|	|	|
17+25	9.6951	9.70	| Q	|	|	|	|
17+30	9.7325	9.73	| Q	|	|	|	|
17+35	9.7506	9.75	| Q	|	|	|	|
17+40	9.7686	9.77	| Q	|	|	|	|
17+45	9.7865	9.79	| Q	|	|	|	|
17+50	9.2041	9.20	| Q	|	|	|	|
17+55	7.8528	7.85	| Q	|	|	|	|
18+ 0	7.5048	7.50	| Q	|	|	|	|
18+ 5	7.4078	7.41	| Q	|	|	|	|
18+10	7.3824	7.38	| Q	|	|	|	|
18+15	7.3711	7.37	| Q	|	|	|	|
18+20	7.3711	7.37	| Q	|	|	|	|
18+25	7.3711	7.37	| Q	|	|	|	|
18+30	7.3711	7.37	| Q	|	|	|	|
18+35	6.9199	6.92	| Q	|	|	|	|
18+40	5.8941	5.89	| Q	|	|	|	|
18+45	5.6298	5.63	| Q	|	|	|	|
18+50	5.1050	5.11	| Q	|	|	|	|
18+55	4.0599	4.06	|Q	|	|	|	|
19+ 0	3.7871	3.79	|Q	|	|	|	|
19+ 5	4.1646	4.16	|Q	|	|	|	|
19+10	5.1712	5.17	| Q	|	|	|	|
19+15	5.4268	5.43	| Q	|	|	|	|
19+20	5.9699	5.97	| Q	|	|	|	|
19+25	7.0603	7.06	| Q	|	|	|	|
19+30	7.3558	7.36	| Q	|	|	|	|
19+35	6.9661	6.97	| Q	|	|	|	|
19+40	5.9048	5.90	| Q	|	|	|	|
19+45	5.6353	5.64	| Q	|	|	|	|
19+50	5.1065	5.11	| Q	|	|	|	|
19+55	4.0604	4.06	|Q	|	|	|	|
20+ 0	3.7871	3.79	|Q	|	|	|	|
20+ 5	4.1646	4.16	|Q	|	|	|	|
20+10	5.1712	5.17	| Q	|	|	|	|
20+15	5.4268	5.43	| Q	|	|	|	|
20+20	5.5005	5.50	| Q	|	|	|	|
20+25	5.5197	5.52	| Q	|	|	|	|
20+30	5.5283	5.53	| Q	|	|	|	|
20+35	5.5283	5.53	| Q	|	|	|	|
20+40	5.5283	5.53	| Q	|	|	|	|
20+45	5.5283	5.53	| Q	|	|	|	|
20+50	5.0772	5.08	| Q	|	|	|	|
20+55	4.0513	4.05	|Q	|	|	|	|
21+ 0	3.7871	3.79	|Q	|	|	|	|
21+ 5	4.1646	4.16	|Q	|	|	|	|
21+10	5.1712	5.17	| Q	|	|	|	|
21+15	5.4268	5.43	| Q	|	|	|	|
21+20	5.0493	5.05	| Q	|	|	|	|
21+25	4.0427	4.04	|Q	|	|	|	|
21+30	3.7871	3.79	|Q	|	|	|	|
21+35	4.1646	4.16	|Q	|	|	|	|
21+40	5.1712	5.17	| Q	|	|	|	|
21+45	5.4268	5.43	| Q	|	|	|	|
21+50	5.0493	5.05	| Q	|	|	|	|
21+55	4.0427	4.04	|Q	|	|	|	|
22+ 0	3.7871	3.79	|Q	|	|	|	|
22+ 5	4.1646	4.16	|Q	|	|	|	|
22+10	5.1712	5.17	| Q	|	|	|	|
22+15	5.4268	5.43	| Q	|	|	|	|
22+20	5.0493	5.05	| Q	|	|	|	|
22+25	4.0427	4.04	|Q	|	|	|	|
22+30	3.7871	3.79	|Q	|	|	|	|
22+35	3.7134	3.71	|Q	|	|	|	|
22+40	3.6941	3.69	|Q	|	|	|	|
22+45	3.6855	3.69	|Q	|	|	|	|
22+50	3.6855	3.69	|Q	|	|	|	|
22+55	3.6855	3.69	|Q	|	|	|	|
23+ 0	3.6855	3.69	|Q	|	|	|	|
23+ 5	3.6855	3.69	|Q	|	|	|	|
23+10	3.6855	3.69	|Q	|	|	|	|
23+15	3.6855	3.69	|Q	|	|	|	|
23+20	3.6855	3.69	|Q	|	|	|	|
23+25	3.6855	3.69	|Q	|	|	|	|
23+30	3.6855	3.69	|Q	|	|	|	|
23+35	3.6855	3.69	|Q	|	|	|	|
23+40	3.6855	3.69	|Q	|	|	|	|
23+45	3.6855	3.69	|Q	|	|	|	|
23+50	3.6855	3.69	|Q	|	|	|	|
23+55	3.6855	3.69	|Q	|	|	|	|
24+ 0	3.6855	3.69	|Q	|	|	|	|
24+ 5	2.7832	2.78	|Q	|	|	|	|
24+10	0.7315	0.73	Q	|	|	|	|
24+15	0.2030	0.20	Q	|	|	|	|
24+20	0.0557	0.06	Q	|	|	|	|
24+25	0.0172	0.02	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 293

```
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       86.175 (CFS)
                Total volume =      47.042 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)     57.262     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     24.418     0.000     0.000     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.290 to Point/Station        4.300
**** RETARDING BASIN ROUTING ****
_______________________________________________________________________________

User entry of depth-outflow-storage data
-------------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 293
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
-------------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.417      0.240      0.416        0.418
  3.000      1.419      0.430      1.418        1.420
  4.000      2.011      0.500      2.009        2.013
  5.000      2.665      0.560      2.663        2.667
  6.000      3.385      0.620      3.383        3.387
  7.000      4.171      0.670      4.169        4.173
  8.000      5.028      0.710      5.026        5.030
  9.000      5.957      0.760      5.954        5.960
 10.000      6.960      0.840      6.957        6.963
 11.000      8.035      0.880      8.032        8.038
 12.000      9.190      0.910      9.187        9.193
 13.000     10.436      0.950     10.433       10.439
 14.000     11.771      0.980     11.768       11.774
 15.000     13.198      1.010     13.195       13.201
 16.000     14.721      1.050     14.717       14.725
 17.000     16.342     17.120     16.283       16.401
 18.000     18.060     28.890     17.961       18.159
 19.000     19.879     75.840     19.618       20.140
 20.000     21.805    153.440     21.277       22.333
-------------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
-------------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
-------------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                      Depth
(Hours)  (CFS)    (CFS)     (Ac.Ft) .0      21.5   43.09   64.63   86.18 (Ft.)
 0.083    0.90    0.00      0.003  O       |       |       |       |     0.01
 0.167    2.95    0.01      0.016  OI      |       |       |       |     0.04
 0.250    3.48    0.02      0.038  OI      |       |       |       |     0.09
 0.333    4.08    0.04      0.064  OI      |       |       |       |     0.15
 0.417    5.15    0.06      0.096  OI      |       |       |       |     0.23
 0.500    5.43    0.08      0.132  O I     |       |       |       |     0.32
 0.583    5.50    0.10      0.169  O I     |       |       |       |     0.40
 0.667    5.52    0.12      0.206  O I     |       |       |       |     0.49
 0.750    5.53    0.14      0.243  O I     |       |       |       |     0.58
 0.833    5.98    0.16      0.282  O I     |       |       |       |     0.68
 0.917    7.01    0.19      0.325  O I     |       |       |       |     0.78
 1.000    7.27    0.21      0.373  O I     |       |       |       |     0.89
 1.083    6.89    0.24      0.420  O I     |       |       |       |     1.01
 1.167    5.89    0.25      0.462  O I     |       |       |       |     1.09
 1.250    5.63    0.26      0.500  O I     |       |       |       |     1.17
 1.333    5.56    0.26      0.537  O I     |       |       |       |     1.24
 1.417    5.54    0.27      0.573  O I     |       |       |       |     1.31
 1.500    5.53    0.28      0.610  O I     |       |       |       |     1.38
 1.583    5.53    0.28      0.646  O I     |       |       |       |     1.46
 1.667    5.53    0.29      0.682  O I     |       |       |       |     1.53
 1.750    5.53    0.30      0.718  O I     |       |       |       |     1.60
 1.833    5.98    0.30      0.756  O I     |       |       |       |     1.68
 1.917    7.01    0.31      0.798  O I     |       |       |       |     1.76
 2.000    7.27    0.32      0.845  O I     |       |       |       |     1.85
 2.083    7.34    0.33      0.893  O I     |       |       |       |     1.95
 2.167    7.36    0.34      0.941  O I     |       |       |       |     2.05
 2.250    7.37    0.35      0.990  O I     |       |       |       |     2.14
 2.333    7.37    0.36      1.038  O I     |       |       |       |     2.24
 2.417    7.37    0.37      1.086  O I     |       |       |       |     2.34
 2.500    7.37    0.38      1.135  O I     |       |       |       |     2.43
 2.583    7.82    0.39      1.184  O I     |       |       |       |     2.53
 2.667    8.85    0.40      1.239  O  I    |       |       |       |     2.64
 2.750    9.11    0.41      1.298  O  I    |       |       |       |     2.76
 2.833    9.19    0.42      1.358  O  I    |       |       |       |     2.88
 2.917    9.21    0.43      1.419  O  I    |       |       |       |     3.00
 3.000    9.21    0.44      1.479  O  I    |       |       |       |     3.10
 3.083    9.21    0.44      1.540  O  I    |       |       |       |     3.20
 3.167    9.21    0.45      1.600  O  I    |       |       |       |     3.31
 3.250    9.21    0.46      1.660  O  I    |       |       |       |     3.41
 3.333    9.21    0.47      1.721  O  I    |       |       |       |     3.51
 3.417    9.21    0.47      1.781  O  I    |       |       |       |     3.61
 3.500    9.21    0.48      1.841  O  I    |       |       |       |     3.71
 3.583    9.21    0.49      1.901  O  I    |       |       |       |     3.81
 3.667    9.21    0.49      1.961  O  I    |       |       |       |     3.92
 3.750    9.21    0.50      2.021  O  I    |       |       |       |     4.02
 3.833    9.67    0.51      2.083  O  I    |       |       |       |     4.11
 3.917   10.69    0.51      2.149  O  I    |       |       |       |     4.21
 4.000   10.96    0.52      2.220  O   I   |       |       |       |     4.32
 4.083   11.03    0.53      2.292  O   I   |       |       |       |     4.43
 4.167   11.05    0.53      2.365  O   I   |       |       |       |     4.54
 4.250   11.06    0.54      2.437  O   I   |       |       |       |     4.65
 4.333   11.51    0.55      2.511  O   I   |       |       |       |     4.76
 4.417   12.53    0.55      2.590  O   I   |       |       |       |     4.89
 4.500   12.80    0.56      2.674  O   I   |       |       |       |     5.01
 4.583   12.87    0.57      2.758  O   I   |       |       |       |     5.13
 4.667   12.89    0.57      2.843  O   I   |       |       |       |     5.25
 4.750   12.90    0.58      2.928  O   I   |       |       |       |     5.36
 4.833   13.35    0.59      3.014  O   I   |       |       |       |     5.48
 4.917   14.38    0.60      3.105  O    I  |       |       |       |     5.61
 5.000   14.64    0.60      3.201  O    I  |       |       |       |     5.74
 5.083   13.81    0.61      3.295  O    I  |       |       |       |     5.88
 5.167   11.78    0.62      3.379  O   I   |       |       |       |     5.99
 5.250   11.26    0.62      3.454  O   I   |       |       |       |     6.09
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5.333	11.56	0.63	3.528	O	I	|	|	|	|	6.18	10.500	34.52	9.33	15.557	|	O	|	I	|	|	|	16.52
5.417	12.55	0.63	3.607	O	I	|	|	|	|	6.28	10.583	37.82	11.11	15.735	|	O	|	I	|	|	16.63
5.500	12.80	0.64	3.690	O	I	|	|	|	|	6.39	10.667	45.28	13.11	15.938	|	O	|	I	|	|	16.75
5.583	13.32	0.64	3.775	O	I	|	|	|	|	6.50	10.750	47.22	15.30	16.159	|	O	|	I	|	|	16.89
5.667	14.37	0.65	3.866	O	I	|	|	|	|	6.61	10.833	47.78	17.34	16.373	|	O	|	I	|	|	17.02
5.750	14.64	0.66	3.962	O	I	|	|	|	|	6.73	10.917	47.95	18.74	16.579	|	O	|	I	|	|	17.14
5.833	14.71	0.66	4.058	O	I	|	|	|	|	6.86	11.000	48.03	20.09	16.776	|	O	|	I	|	|	17.25
5.917	14.73	0.67	4.155	O	I	|	|	|	|	6.98	11.083	47.41	21.36	16.961	|	O	|	I	|	|	17.36
6.000	14.74	0.67	4.252	O	I	|	|	|	|	7.09	11.167	45.95	22.53	17.132	|	O	|	I	|	|	17.46
6.083	15.29	0.68	4.351	O	I	|	|	|	|	7.21	11.250	45.59	23.60	17.288	|	O	|	I	|	|	17.55
6.167	16.54	0.68	4.456	O	I	|	|	|	|	7.33	11.333	45.51	24.61	17.436	|	O	|	I	|	|	17.64
6.250	16.88	0.69	4.566	O	I	|	|	|	|	7.46	11.417	45.51	25.58	17.576	|	O	|	I	|	|	17.72
6.333	17.00	0.69	4.678	O	I	|	|	|	|	7.59	11.500	45.52	26.50	17.711	|	O	|	I	|	|	17.80
6.417	17.06	0.70	4.790	O	I	|	|	|	|	7.72	11.583	44.24	27.34	17.834	|	O	|	I	|	|	17.87
6.500	17.10	0.70	4.903	O	I	|	|	|	|	7.85	11.667	41.29	28.05	17.938	|	O	|	I	|	|	17.93
6.583	17.78	0.71	5.018	O	I	|	|	|	|	7.99	11.750	40.55	28.65	18.025	|	O	|	I	|	|	17.98
6.667	19.30	0.72	5.141	O	I	|	|	|	|	8.12	11.833	41.02	30.01	18.103	|	O	|	I	|	|	18.02
6.750	19.71	0.72	5.270	O	I	|	|	|	|	8.26	11.917	42.47	31.93	18.178	|	O	|	I	|	|	18.06
6.833	19.85	0.73	5.402	O	I	|	|	|	|	8.40	12.000	42.86	33.68	18.246	|	O	|	I	|	|	18.10
6.917	19.91	0.74	5.534	O	I	|	|	|	|	8.54	12.083	47.57	35.56	18.318	|	O	|	I	|	|	18.14
7.000	19.95	0.74	5.666	O	I	|	|	|	|	8.69	12.167	58.03	38.38	18.427	|	O	|	I	|	|	18.20
7.083	19.98	0.75	5.798	O	I	|	|	|	|	8.83	12.250	60.74	41.81	18.560	|	O	|	I	|	|	18.28
7.167	20.01	0.76	5.931	O	I	|	|	|	|	8.97	12.333	62.17	45.01	18.685	|	O	|	I	|	|	18.34
7.250	20.04	0.77	6.063	O	I	|	|	|	|	9.11	12.417	63.88	47.95	18.799	|	O	|	I	|	|	18.41
7.333	20.73	0.78	6.198	O	I	|	|	|	|	9.24	12.500	64.37	50.59	18.901	|	O	|	I	|	|	18.46
7.417	22.25	0.79	6.341	O	I	|	|	|	|	9.38	12.583	65.81	52.96	18.993	|	O	|	I	|	|	18.51
7.500	22.66	0.80	6.490	O	I	|	|	|	|	9.53	12.667	68.84	55.31	19.083	|	O	|	I	|	|	18.56
7.583	23.45	0.81	6.643	O	I	|	|	|	|	9.68	12.750	69.64	57.58	19.172	|	O	|	I	|	|	18.61
7.667	24.99	0.83	6.805	O	I	|	|	|	|	9.84	12.833	70.53	59.62	19.251	|	O	|	I	|	|	18.65
7.750	25.42	0.84	6.972	O	I	|	|	|	|	10.01	12.917	72.10	61.53	19.325	|	O	|	I	|	|	18.70
7.833	26.21	0.85	7.144	O	I	|	|	|	|	10.17	13.000	72.53	63.29	19.393	|	O	|	I	|	|	18.73
7.917	27.76	0.85	7.324	O	I	|	|	|	|	10.34	13.083	75.93	65.08	19.462	|	O	|	I	|	|	18.77
8.000	28.18	0.86	7.511	O	I	|	|	|	|	10.51	13.167	83.42	67.46	19.554	|	O	|	I	|	|	18.82
8.083	29.62	0.87	7.704	O	I	|	|	|	|	10.69	13.250	85.37	70.22	19.661	|	O	|	I	|	|	18.88
8.167	32.66	0.88	7.913	O	I	|	|	|	|	10.89	13.333	85.93	72.74	19.759	|	O	|	I	|	|	18.93
8.250	33.46	0.88	8.134	O	I	|	|	|	|	11.09	13.417	86.09	74.91	19.843	|	O	|	I	|	|	18.98
8.333	33.71	0.89	8.359	O	I	|	|	|	|	11.28	13.500	86.18	77.18	19.912	|	O	|	I	|	|	19.02
8.417	33.79	0.89	8.586	O	I	|	|	|	|	11.48	13.583	79.01	78.50	19.945	|	O	|	I	|	|	19.03
8.500	33.85	0.90	8.812	O	I	|	|	|	|	11.67	13.667	62.68	76.63	19.899	|	O	|	I	|	|	19.01
8.583	34.53	0.91	9.042	O	I	|	|	|	|	11.87	13.750	58.49	73.75	19.798	|	O	|	I	|	|	18.96
8.667	36.04	0.91	9.278	O	I	|	|	|	|	12.07	13.833	57.34	71.17	19.698	|	O	|	I	|	|	18.90
8.750	36.46	0.92	9.522	O	I	|	|	|	|	12.27	13.917	57.05	68.88	19.610	|	O	|	I	|	|	18.85
8.833	37.25	0.93	9.769	O	I	|	|	|	|	12.46	14.000	56.94	66.94	19.534	|	O	|	I	|	|	18.81
8.917	38.79	0.94	10.025	O	I	|	|	|	|	12.67	14.083	59.58	65.53	19.479	|	O	|	I	|	|	18.78
9.000	39.21	0.95	10.287	O	I	|	|	|	|	12.88	14.167	65.55	65.04	19.461	|	O	|	I	|	|	18.77
9.083	40.66	0.95	10.555	O	I	|	|	|	|	13.09	14.250	67.10	65.25	19.469	|	O	|	I	|	|	18.77
9.167	43.69	0.96	10.839	O	I	|	|	|	|	13.30	14.333	66.90	65.54	19.480	|	O	|	I	|	|	18.78
9.250	44.49	0.97	11.136	O	I	|	|	|	|	13.52	14.417	65.54	65.65	19.484	|	O	|	I	|	|	18.78
9.333	45.39	0.97	11.439	O	I	|	|	|	|	13.75	14.500	65.23	65.61	19.482	|	O	|	I	|	|	18.78
9.417	46.96	0.98	11.750	O	I	|	|	|	|	13.98	14.583	65.15	65.54	19.480	|	O	|	I	|	|	18.78
9.500	47.40	0.99	12.068	O	I	|	|	|	|	14.21	14.667	65.14	65.47	19.477	|	O	|	I	|	|	18.78
9.583	48.18	0.99	12.391	O	I	|	|	|	|	14.43	14.750	65.15	65.42	19.475	|	O	|	I	|	|	18.78
9.667	49.73	1.00	12.721	O	I	|	|	|	|	14.67	14.833	64.52	65.32	19.472	|	O	|	I	|	|	18.78
9.750	50.15	1.01	13.058	O	I	|	|	|	|	14.90	14.917	63.06	65.07	19.462	|	O	|	I	|	|	18.77
9.833	50.94	1.02	13.399	O	I	|	|	|	|	15.13	15.000	62.69	64.71	19.448	|	O	|	I	|	|	18.76
9.917	52.48	1.02	13.748	O	I	|	|	|	|	15.36	15.083	61.95	64.32	19.433	|	O	|	I	|	|	18.75
10.000	52.90	1.03	14.104	O	I	|	|	|	|	15.59	15.167	60.46	63.82	19.413	|	O	|	I	|	|	18.74
10.083	48.46	1.04	14.446	O	I	|	|	|	|	15.82	15.250	60.09	63.24	19.391	|	O	|	I	|	|	18.73
10.167	38.11	1.20	14.736	O	I	|	|	|	|	16.01	15.333	59.35	62.66	19.368	|	O	|	I	|	|	18.72
10.250	35.47	3.55	14.973	|	O	|	|	|	|	16.16	15.417	57.85	62.00	19.343	|	O	|	I	|	|	18.71
10.333	34.75	5.63	15.183	|	O	|	|	|	|	16.29	15.500	57.48	61.29	19.315	|	O	|	I	|	|	18.69
10.417	34.58	7.55	15.377	|	O	|	|	|	|	16.40	15.583	54.78	60.45	19.283	|	O	|	I	|	|	18.67

15.667	48.83	59.04	19.228	|	|	| I O |	|	18.64	20.833	5.08	6.60	15.281	|IO	|	|	|	|	16.35
15.750	47.30	57.25	19.159	|	|	|I O |	|	18.60	20.917	4.05	6.46	15.267	|IO	|	|	|	|	16.34
15.833	46.90	55.59	19.094	|	|	|I O |	|	18.57	21.000	3.79	6.30	15.250	|IO	|	|	|	|	16.33
15.917	46.80	54.16	19.039	|	|	|I O |	|	18.54	21.083	4.16	6.14	15.235	|IO	|	|	|	|	16.32
16.000	46.77	52.96	18.993	|	|	|I O |	|	18.51	21.167	5.17	6.05	15.225	|IO	|	|	|	|	16.31
16.083	37.14	51.16	18.923	|	| I | O |	|	18.47	21.250	5.43	6.00	15.220	| O	|	|	|	|	16.31
16.167	15.19	47.08	18.765	| I |	| |O |	|	18.39	21.333	5.05	5.95	15.215	|IO	|	|	|	|	16.30
16.250	9.54	41.42	18.545	| I |	| O|	|	18.27	21.417	4.04	5.85	15.206	|IO	|	|	|	|	16.30
16.333	7.97	36.08	18.339	| I | O |	|	18.15	21.500	3.79	5.73	15.193	|IO	|	|	|	|	16.29
16.417	7.55	31.46	18.160	| I | O |	|	18.05	21.583	4.16	5.61	15.181	|IO	|	|	|	|	16.28
16.500	7.37	28.51	18.004	| I | O |	|	17.97	21.667	5.17	5.55	15.175	|IO	|	|	|	|	16.28
16.583	6.92	27.52	17.861	| I | O |	|	17.88	21.750	5.43	5.53	15.173	| O	|	|	|	|	16.28
16.667	5.89	26.55	17.719	| I |O |	|	17.80	21.833	5.05	5.51	15.171	|IO	|	|	|	|	16.28
16.750	5.63	25.59	17.579	| I |O |	|	17.72	21.917	4.04	5.45	15.165	|IO	|	|	|	|	16.27
16.833	5.56	24.67	17.444	| I |O |	|	17.64	22.000	3.79	5.35	15.154	|O	|	|	|	|	16.27
16.917	5.54	23.79	17.316	| I | O |	|	17.57	22.083	4.16	5.26	15.145	|O	|	|	|	|	16.26
17.000	5.53	22.95	17.193	| I | O |	|	17.50	22.167	5.17	5.22	15.141	|O	|	|	|	|	16.26
17.083	6.54	22.17	17.079	| I | O |	|	17.43	22.250	5.43	5.22	15.142	|OI	|	|	|	|	16.26
17.167	8.84	21.50	16.981	| I O|	|	17.37	22.333	5.05	5.22	15.142	|O	|	|	|	|	16.26
17.250	9.45	20.93	16.898	| I O|	|	17.32	22.417	4.04	5.18	15.138	|O	|	|	|	|	16.26
17.333	9.63	20.41	16.822	| I O|	|	17.28	22.500	3.79	5.10	15.129	|O	|	|	|	|	16.25
17.417	9.70	19.91	16.749	| I O|	|	17.24	22.583	3.71	5.01	15.120	|O	|	|	|	|	16.25
17.500	9.73	19.44	16.681	| I O|	|	17.20	22.667	3.69	4.92	15.111	|O	|	|	|	|	16.24
17.583	9.75	18.99	16.616	| I O|	|	17.16	22.750	3.69	4.84	15.103	|O	|	|	|	|	16.24
17.667	9.77	18.57	16.553	| I O |	|	17.12	22.833	3.69	4.76	15.096	|O	|	|	|	|	16.23
17.750	9.79	18.16	16.494	| I O |	|	17.09	22.917	3.69	4.69	15.088	|O	|	|	|	|	16.23
17.833	9.20	17.76	16.436	| I O |	|	17.05	23.000	3.69	4.63	15.082	|O	|	|	|	|	16.22
17.917	7.85	17.34	16.374	| I O |	|	17.02	23.083	3.69	4.56	15.075	|O	|	|	|	|	16.22
18.000	7.50	16.79	16.309	| I O |	|	16.98	23.167	3.69	4.51	15.070	|O	|	|	|	|	16.22
18.083	7.41	16.18	16.247	| I O |	|	16.94	23.250	3.69	4.45	15.064	|O	|	|	|	|	16.21
18.167	7.38	15.60	16.188	| I O |	|	16.91	23.333	3.69	4.40	15.059	|O	|	|	|	|	16.21
18.250	7.37	15.06	16.134	| I O |	|	16.87	23.417	3.69	4.35	15.054	|O	|	|	|	|	16.21
18.333	7.37	14.55	16.083	| I O |	|	16.84	23.500	3.69	4.31	15.050	|O	|	|	|	|	16.20
18.417	7.37	14.07	16.035	| I O |	|	16.81	23.583	3.69	4.27	15.046	|O	|	|	|	|	16.20
18.500	7.37	13.63	15.990	| I O |	|	16.78	23.667	3.69	4.23	15.042	|O	|	|	|	|	16.20
18.583	6.92	13.20	15.947	| I O |	|	16.76	23.750	3.69	4.19	15.038	|O	|	|	|	|	16.20
18.667	5.89	12.75	15.902	| I O |	|	16.73	23.833	3.69	4.16	15.035	|O	|	|	|	|	16.19
18.750	5.63	12.29	15.855	| I O |	|	16.70	23.917	3.69	4.13	15.032	|O	|	|	|	|	16.19
18.833	5.11	11.84	15.809	|I O |	|	16.67	24.000	3.69	4.10	15.029	|O	|	|	|	|	16.19
18.917	4.06	11.36	15.761	|I O |	|	16.64	24.083	2.78	4.04	15.023	|O	|	|	|	|	16.19
19.000	3.79	10.87	15.711	|I O |	|	16.61	24.167	0.73	3.89	15.008	IO	|	|	|	|	16.18
19.083	4.16	10.41	15.665	|I O |	|	16.58	24.250	0.20	3.67	14.985	IO	|	|	|	|	16.16
19.167	5.17	10.03	15.627	|I O |	|	16.56	24.333	0.06	3.43	14.961	IO	|	|	|	|	16.15
19.250	5.43	9.72	15.596	| IO |	|	16.54	24.417	0.02	3.21	14.939	IO	|	|	|	|	16.13
19.333	5.97	9.45	15.569	| IO |	|	16.52	24.500	0.00	3.00	14.917	IO	|	|	|	|	16.12
19.417	7.06	9.26	15.549	| IO |	|	16.51	24.583	0.00	2.80	14.897	IO	|	|	|	|	16.11
19.500	7.36	9.12	15.535	| IO |	|	16.50	24.667	0.00	2.61	14.879	O	|	|	|	|	16.10
19.583	6.97	8.99	15.522	| IO |	|	16.49	24.750	0.00	2.44	14.861	O	|	|	|	|	16.09
19.667	5.90	8.83	15.505	| IO |	|	16.48	24.833	0.00	2.28	14.845	O	|	|	|	|	16.08
19.750	5.64	8.62	15.485	| IO |	|	16.47	24.917	0.00	2.13	14.830	O	|	|	|	|	16.07
19.833	5.11	8.41	15.463	|I O |	|	16.46	25.000	0.00	1.99	14.816	O	|	|	|	|	16.06
19.917	4.06	8.16	15.438	|I O |	|	16.44	25.083	0.00	1.86	14.802	O	|	|	|	|	16.05
20.000	3.79	7.88	15.410	|IO |	|	16.42	25.167	0.00	1.74	14.790	O	|	|	|	|	16.04
20.083	4.16	7.62	15.384	|IO |	|	16.41	25.250	0.00	1.62	14.779	O	|	|	|	|	16.04
20.167	5.17	7.42	15.364	|IO |	|	16.40	25.333	0.00	1.51	14.768	O	|	|	|	|	16.03
20.250	5.43	7.28	15.350	| O |	|	16.39	25.417	0.00	1.41	14.758	O	|	|	|	|	16.02
20.333	5.50	7.16	15.338	| O |	|	16.38	25.500	0.00	1.32	14.748	O	|	|	|	|	16.02
20.417	5.52	7.06	15.327	| O |	|	16.37	25.583	0.00	1.23	14.739	O	|	|	|	|	16.01
20.500	5.53	6.95	15.317	| O |	|	16.37	25.667	0.00	1.15	14.731	O	|	|	|	|	16.01
20.583	5.53	6.86	15.307	| O |	|	16.36	25.750	0.00	1.08	14.724	O	|	|	|	|	16.00
20.667	5.53	6.77	15.298	| O |	|	16.36	25.833	0.00	1.05	14.716	O	|	|	|	|	16.00
20.750	5.53	6.69	15.290	| O |	|	16.35	25.917	0.00	1.05	14.709	O	|	|	|	|	15.99

26.000	0.00	1.05	14.702	O	|	|	|	|	15.99	31.167	0.00	1.04	14.256	O	|	|	|	|	15.69
26.083	0.00	1.05	14.695	O	|	|	|	|	15.98	31.250	0.00	1.04	14.249	O	|	|	|	|	15.69
26.167	0.00	1.05	14.687	O	|	|	|	|	15.98	31.333	0.00	1.04	14.242	O	|	|	|	|	15.69
26.250	0.00	1.05	14.680	O	|	|	|	|	15.97	31.417	0.00	1.04	14.235	O	|	|	|	|	15.68
26.333	0.00	1.05	14.673	O	|	|	|	|	15.97	31.500	0.00	1.04	14.228	O	|	|	|	|	15.68
26.417	0.00	1.05	14.666	O	|	|	|	|	15.96	31.583	0.00	1.04	14.220	O	|	|	|	|	15.67
26.500	0.00	1.05	14.658	O	|	|	|	|	15.96	31.667	0.00	1.04	14.213	O	|	|	|	|	15.67
26.583	0.00	1.05	14.651	O	|	|	|	|	15.95	31.750	0.00	1.04	14.206	O	|	|	|	|	15.66
26.667	0.00	1.05	14.644	O	|	|	|	|	15.95	31.833	0.00	1.04	14.199	O	|	|	|	|	15.66
26.750	0.00	1.05	14.637	O	|	|	|	|	15.94	31.917	0.00	1.04	14.192	O	|	|	|	|	15.65
26.833	0.00	1.05	14.630	O	|	|	|	|	15.94	32.000	0.00	1.04	14.185	O	|	|	|	|	15.65
26.917	0.00	1.05	14.622	O	|	|	|	|	15.94	32.083	0.00	1.04	14.178	O	|	|	|	|	15.64
27.000	0.00	1.05	14.615	O	|	|	|	|	15.93	32.167	0.00	1.04	14.171	O	|	|	|	|	15.64
27.083	0.00	1.05	14.608	O	|	|	|	|	15.93	32.250	0.00	1.04	14.163	O	|	|	|	|	15.63
27.167	0.00	1.05	14.601	O	|	|	|	|	15.92	32.333	0.00	1.04	14.156	O	|	|	|	|	15.63
27.250	0.00	1.05	14.594	O	|	|	|	|	15.92	32.417	0.00	1.03	14.149	O	|	|	|	|	15.62
27.333	0.00	1.05	14.586	O	|	|	|	|	15.91	32.500	0.00	1.03	14.142	O	|	|	|	|	15.62
27.417	0.00	1.05	14.579	O	|	|	|	|	15.91	32.583	0.00	1.03	14.135	O	|	|	|	|	15.62
27.500	0.00	1.05	14.572	O	|	|	|	|	15.90	32.667	0.00	1.03	14.128	O	|	|	|	|	15.61
27.583	0.00	1.05	14.565	O	|	|	|	|	15.90	32.750	0.00	1.03	14.121	O	|	|	|	|	15.61
27.667	0.00	1.05	14.558	O	|	|	|	|	15.89	32.833	0.00	1.03	14.114	O	|	|	|	|	15.60
27.750	0.00	1.05	14.550	O	|	|	|	|	15.89	32.917	0.00	1.03	14.106	O	|	|	|	|	15.60
27.833	0.00	1.05	14.543	O	|	|	|	|	15.88	33.000	0.00	1.03	14.099	O	|	|	|	|	15.59
27.917	0.00	1.05	14.536	O	|	|	|	|	15.88	33.083	0.00	1.03	14.092	O	|	|	|	|	15.59
28.000	0.00	1.04	14.529	O	|	|	|	|	15.87	33.167	0.00	1.03	14.085	O	|	|	|	|	15.58
28.083	0.00	1.04	14.522	O	|	|	|	|	15.87	33.250	0.00	1.03	14.078	O	|	|	|	|	15.58
28.167	0.00	1.04	14.514	O	|	|	|	|	15.86	33.333	0.00	1.03	14.071	O	|	|	|	|	15.57
28.250	0.00	1.04	14.507	O	|	|	|	|	15.86	33.417	0.00	1.03	14.064	O	|	|	|	|	15.57
28.333	0.00	1.04	14.500	O	|	|	|	|	15.85	33.500	0.00	1.03	14.057	O	|	|	|	|	15.56
28.417	0.00	1.04	14.493	O	|	|	|	|	15.85	33.583	0.00	1.03	14.049	O	|	|	|	|	15.56
28.500	0.00	1.04	14.486	O	|	|	|	|	15.85	33.667	0.00	1.03	14.042	O	|	|	|	|	15.55
28.583	0.00	1.04	14.478	O	|	|	|	|	15.84	33.750	0.00	1.03	14.035	O	|	|	|	|	15.55
28.667	0.00	1.04	14.471	O	|	|	|	|	15.84	33.833	0.00	1.03	14.028	O	|	|	|	|	15.55
28.750	0.00	1.04	14.464	O	|	|	|	|	15.83	33.917	0.00	1.03	14.021	O	|	|	|	|	15.54
28.833	0.00	1.04	14.457	O	|	|	|	|	15.83	34.000	0.00	1.03	14.014	O	|	|	|	|	15.54
28.917	0.00	1.04	14.450	O	|	|	|	|	15.82	34.083	0.00	1.03	14.007	O	|	|	|	|	15.53
29.000	0.00	1.04	14.442	O	|	|	|	|	15.82	34.167	0.00	1.03	14.000	O	|	|	|	|	15.53
29.083	0.00	1.04	14.435	O	|	|	|	|	15.81	34.250	0.00	1.03	13.993	O	|	|	|	|	15.52
29.167	0.00	1.04	14.428	O	|	|	|	|	15.81	34.333	0.00	1.03	13.986	O	|	|	|	|	15.52
29.250	0.00	1.04	14.421	O	|	|	|	|	15.80	34.417	0.00	1.03	13.978	O	|	|	|	|	15.51
29.333	0.00	1.04	14.414	O	|	|	|	|	15.80	34.500	0.00	1.03	13.971	O	|	|	|	|	15.51
29.417	0.00	1.04	14.407	O	|	|	|	|	15.79	34.583	0.00	1.03	13.964	O	|	|	|	|	15.50
29.500	0.00	1.04	14.399	O	|	|	|	|	15.79	34.667	0.00	1.03	13.957	O	|	|	|	|	15.50
29.583	0.00	1.04	14.392	O	|	|	|	|	15.78	34.750	0.00	1.03	13.950	O	|	|	|	|	15.49
29.667	0.00	1.04	14.385	O	|	|	|	|	15.78	34.833	0.00	1.03	13.943	O	|	|	|	|	15.49
29.750	0.00	1.04	14.378	O	|	|	|	|	15.77	34.917	0.00	1.03	13.936	O	|	|	|	|	15.48
29.833	0.00	1.04	14.371	O	|	|	|	|	15.77	35.000	0.00	1.03	13.929	O	|	|	|	|	15.48
29.917	0.00	1.04	14.364	O	|	|	|	|	15.77	35.083	0.00	1.03	13.922	O	|	|	|	|	15.48
30.000	0.00	1.04	14.356	O	|	|	|	|	15.76	35.167	0.00	1.03	13.915	O	|	|	|	|	15.47
30.083	0.00	1.04	14.349	O	|	|	|	|	15.76	35.250	0.00	1.03	13.908	O	|	|	|	|	15.47
30.167	0.00	1.04	14.342	O	|	|	|	|	15.75	35.333	0.00	1.03	13.900	O	|	|	|	|	15.46
30.250	0.00	1.04	14.335	O	|	|	|	|	15.75	35.417	0.00	1.03	13.893	O	|	|	|	|	15.46
30.333	0.00	1.04	14.328	O	|	|	|	|	15.74	35.500	0.00	1.03	13.886	O	|	|	|	|	15.45
30.417	0.00	1.04	14.321	O	|	|	|	|	15.74	35.583	0.00	1.03	13.879	O	|	|	|	|	15.45
30.500	0.00	1.04	14.313	O	|	|	|	|	15.73	35.667	0.00	1.03	13.872	O	|	|	|	|	15.44
30.583	0.00	1.04	14.306	O	|	|	|	|	15.73	35.750	0.00	1.03	13.865	O	|	|	|	|	15.44
30.667	0.00	1.04	14.299	O	|	|	|	|	15.72	35.833	0.00	1.03	13.858	O	|	|	|	|	15.43
30.750	0.00	1.04	14.292	O	|	|	|	|	15.72	35.917	0.00	1.03	13.851	O	|	|	|	|	15.43
30.833	0.00	1.04	14.285	O	|	|	|	|	15.71	36.000	0.00	1.03	13.844	O	|	|	|	|	15.42
30.917	0.00	1.04	14.278	O	|	|	|	|	15.71	36.083	0.00	1.03	13.837	O	|	|	|	|	15.42
31.000	0.00	1.04	14.270	O	|	|	|	|	15.70	36.167	0.00	1.03	13.830	O	|	|	|	|	15.41
31.083	0.00	1.04	14.263	O	|	|	|	|	15.70	36.250	0.00	1.03	13.823	O	|	|	|	|	15.41

36.333	0.00	1.03	13.816	O	|	|	|	|	15.41	41.500	0.00	1.01	13.380	O	|	|	|	|	15.12
36.417	0.00	1.03	13.808	O	|	|	|	|	15.40	41.583	0.00	1.01	13.373	O	|	|	|	|	15.11
36.500	0.00	1.03	13.801	O	|	|	|	|	15.40	41.667	0.00	1.01	13.366	O	|	|	|	|	15.11
36.583	0.00	1.03	13.794	O	|	|	|	|	15.39	41.750	0.00	1.01	13.359	O	|	|	|	|	15.11
36.667	0.00	1.03	13.787	O	|	|	|	|	15.39	41.833	0.00	1.01	13.352	O	|	|	|	|	15.10
36.750	0.00	1.03	13.780	O	|	|	|	|	15.38	41.917	0.00	1.01	13.345	O	|	|	|	|	15.10
36.833	0.00	1.03	13.773	O	|	|	|	|	15.38	42.000	0.00	1.01	13.338	O	|	|	|	|	15.09
36.917	0.00	1.02	13.766	O	|	|	|	|	15.37	42.083	0.00	1.01	13.331	O	|	|	|	|	15.09
37.000	0.00	1.02	13.759	O	|	|	|	|	15.37	42.167	0.00	1.01	13.324	O	|	|	|	|	15.08
37.083	0.00	1.02	13.752	O	|	|	|	|	15.36	42.250	0.00	1.01	13.317	O	|	|	|	|	15.08
37.167	0.00	1.02	13.745	O	|	|	|	|	15.36	42.333	0.00	1.01	13.310	O	|	|	|	|	15.07
37.250	0.00	1.02	13.738	O	|	|	|	|	15.35	42.417	0.00	1.01	13.303	O	|	|	|	|	15.07
37.333	0.00	1.02	13.731	O	|	|	|	|	15.35	42.500	0.00	1.01	13.296	O	|	|	|	|	15.06
37.417	0.00	1.02	13.724	O	|	|	|	|	15.35	42.583	0.00	1.01	13.289	O	|	|	|	|	15.06
37.500	0.00	1.02	13.717	O	|	|	|	|	15.34	42.667	0.00	1.01	13.282	O	|	|	|	|	15.06
37.583	0.00	1.02	13.710	O	|	|	|	|	15.34	42.750	0.00	1.01	13.275	O	|	|	|	|	15.05
37.667	0.00	1.02	13.703	O	|	|	|	|	15.33	42.833	0.00	1.01	13.268	O	|	|	|	|	15.05
37.750	0.00	1.02	13.696	O	|	|	|	|	15.33	42.917	0.00	1.01	13.261	O	|	|	|	|	15.04
37.833	0.00	1.02	13.689	O	|	|	|	|	15.32	43.000	0.00	1.01	13.254	O	|	|	|	|	15.04
37.917	0.00	1.02	13.681	O	|	|	|	|	15.32	43.083	0.00	1.01	13.247	O	|	|	|	|	15.03
38.000	0.00	1.02	13.674	O	|	|	|	|	15.31	43.167	0.00	1.01	13.240	O	|	|	|	|	15.03
38.083	0.00	1.02	13.667	O	|	|	|	|	15.31	43.250	0.00	1.01	13.233	O	|	|	|	|	15.02
38.167	0.00	1.02	13.660	O	|	|	|	|	15.30	43.333	0.00	1.01	13.226	O	|	|	|	|	15.02
38.250	0.00	1.02	13.653	O	|	|	|	|	15.30	43.417	0.00	1.01	13.219	O	|	|	|	|	15.01
38.333	0.00	1.02	13.646	O	|	|	|	|	15.29	43.500	0.00	1.01	13.212	O	|	|	|	|	15.01
38.417	0.00	1.02	13.639	O	|	|	|	|	15.29	43.583	0.00	1.01	13.205	O	|	|	|	|	15.00
38.500	0.00	1.02	13.632	O	|	|	|	|	15.29	43.667	0.00	1.01	13.199	O	|	|	|	|	15.00
38.583	0.00	1.02	13.625	O	|	|	|	|	15.28	43.750	0.00	1.01	13.192	O	|	|	|	|	15.00
38.667	0.00	1.02	13.618	O	|	|	|	|	15.28	43.833	0.00	1.01	13.185	O	|	|	|	|	14.99
38.750	0.00	1.02	13.611	O	|	|	|	|	15.27	43.917	0.00	1.01	13.178	O	|	|	|	|	14.99
38.833	0.00	1.02	13.604	O	|	|	|	|	15.27	44.000	0.00	1.01	13.171	O	|	|	|	|	14.98
38.917	0.00	1.02	13.597	O	|	|	|	|	15.26	44.083	0.00	1.01	13.164	O	|	|	|	|	14.98
39.000	0.00	1.02	13.590	O	|	|	|	|	15.26	44.167	0.00	1.01	13.157	O	|	|	|	|	14.97
39.083	0.00	1.02	13.583	O	|	|	|	|	15.25	44.250	0.00	1.01	13.150	O	|	|	|	|	14.97
39.167	0.00	1.02	13.576	O	|	|	|	|	15.25	44.333	0.00	1.01	13.143	O	|	|	|	|	14.96
39.250	0.00	1.02	13.569	O	|	|	|	|	15.24	44.417	0.00	1.01	13.136	O	|	|	|	|	14.96
39.333	0.00	1.02	13.562	O	|	|	|	|	15.24	44.500	0.00	1.01	13.129	O	|	|	|	|	14.95
39.417	0.00	1.02	13.555	O	|	|	|	|	15.23	44.583	0.00	1.01	13.122	O	|	|	|	|	14.95
39.500	0.00	1.02	13.548	O	|	|	|	|	15.23	44.667	0.00	1.01	13.115	O	|	|	|	|	14.94
39.583	0.00	1.02	13.541	O	|	|	|	|	15.23	44.750	0.00	1.01	13.108	O	|	|	|	|	14.94
39.667	0.00	1.02	13.534	O	|	|	|	|	15.22	44.833	0.00	1.01	13.101	O	|	|	|	|	14.93
39.750	0.00	1.02	13.527	O	|	|	|	|	15.22	44.917	0.00	1.01	13.094	O	|	|	|	|	14.93
39.833	0.00	1.02	13.520	O	|	|	|	|	15.21	45.000	0.00	1.01	13.087	O	|	|	|	|	14.92
39.917	0.00	1.02	13.513	O	|	|	|	|	15.21	45.083	0.00	1.01	13.080	O	|	|	|	|	14.92
40.000	0.00	1.02	13.506	O	|	|	|	|	15.20	45.167	0.00	1.01	13.073	O	|	|	|	|	14.91
40.083	0.00	1.02	13.499	O	|	|	|	|	15.20	45.250	0.00	1.01	13.067	O	|	|	|	|	14.91
40.167	0.00	1.02	13.492	O	|	|	|	|	15.19	45.333	0.00	1.01	13.060	O	|	|	|	|	14.90
40.250	0.00	1.02	13.485	O	|	|	|	|	15.19	45.417	0.00	1.01	13.053	O	|	|	|	|	14.90
40.333	0.00	1.02	13.478	O	|	|	|	|	15.18	45.500	0.00	1.01	13.046	O	|	|	|	|	14.89
40.417	0.00	1.02	13.471	O	|	|	|	|	15.18	45.583	0.00	1.01	13.039	O	|	|	|	|	14.89
40.500	0.00	1.02	13.464	O	|	|	|	|	15.17	45.667	0.00	1.01	13.032	O	|	|	|	|	14.88
40.583	0.00	1.02	13.457	O	|	|	|	|	15.17	45.750	0.00	1.01	13.025	O	|	|	|	|	14.88
40.667	0.00	1.02	13.450	O	|	|	|	|	15.17	45.833	0.00	1.01	13.018	O	|	|	|	|	14.87
40.750	0.00	1.02	13.443	O	|	|	|	|	15.16	45.917	0.00	1.01	13.011	O	|	|	|	|	14.87
40.833	0.00	1.02	13.436	O	|	|	|	|	15.16	46.000	0.00	1.01	13.004	O	|	|	|	|	14.86
40.917	0.00	1.02	13.429	O	|	|	|	|	15.15	46.083	0.00	1.01	12.997	O	|	|	|	|	14.86
41.000	0.00	1.02	13.422	O	|	|	|	|	15.15	46.167	0.00	1.01	12.990	O	|	|	|	|	14.85
41.083	0.00	1.02	13.415	O	|	|	|	|	15.14	46.250	0.00	1.01	12.983	O	|	|	|	|	14.85
41.167	0.00	1.02	13.408	O	|	|	|	|	15.14	46.333	0.00	1.01	12.976	O	|	|	|	|	14.84
41.250	0.00	1.02	13.401	O	|	|	|	|	15.13	46.417	0.00	1.01	12.970	O	|	|	|	|	14.84
41.333	0.00	1.02	13.394	O	|	|	|	|	15.13	46.500	0.00	1.01	12.963	O	|	|	|	|	14.84
41.417	0.00	1.01	13.387	O	|	|	|	|	15.12	46.583	0.00	1.00	12.956	O	|	|	|	|	14.83

46.667	0.00	1.00	12.949	O	|	|	|	|	14.83	51.833	0.00	1.00	12.522	O	|	|	|	|	14.53
46.750	0.00	1.00	12.942	O	|	|	|	|	14.82	51.917	0.00	1.00	12.515	O	|	|	|	|	14.52
46.833	0.00	1.00	12.935	O	|	|	|	|	14.82	52.000	0.00	1.00	12.508	O	|	|	|	|	14.52
46.917	0.00	1.00	12.928	O	|	|	|	|	14.81	52.083	0.00	1.00	12.501	O	|	|	|	|	14.51
47.000	0.00	1.00	12.921	O	|	|	|	|	14.81	52.167	0.00	1.00	12.494	O	|	|	|	|	14.51
47.083	0.00	1.00	12.914	O	|	|	|	|	14.80	52.250	0.00	1.00	12.487	O	|	|	|	|	14.50
47.167	0.00	1.00	12.907	O	|	|	|	|	14.80	52.333	0.00	0.99	12.480	O	|	|	|	|	14.50
47.250	0.00	1.00	12.900	O	|	|	|	|	14.79	52.417	0.00	0.99	12.474	O	|	|	|	|	14.49
47.333	0.00	1.00	12.893	O	|	|	|	|	14.79	52.500	0.00	0.99	12.467	O	|	|	|	|	14.49
47.417	0.00	1.00	12.887	O	|	|	|	|	14.78	52.583	0.00	0.99	12.460	O	|	|	|	|	14.48
47.500	0.00	1.00	12.880	O	|	|	|	|	14.78	52.667	0.00	0.99	12.453	O	|	|	|	|	14.48
47.583	0.00	1.00	12.873	O	|	|	|	|	14.77	52.750	0.00	0.99	12.446	O	|	|	|	|	14.47
47.667	0.00	1.00	12.866	O	|	|	|	|	14.77	52.833	0.00	0.99	12.439	O	|	|	|	|	14.47
47.750	0.00	1.00	12.859	O	|	|	|	|	14.76	52.917	0.00	0.99	12.433	O	|	|	|	|	14.46
47.833	0.00	1.00	12.852	O	|	|	|	|	14.76	53.000	0.00	0.99	12.426	O	|	|	|	|	14.46
47.917	0.00	1.00	12.845	O	|	|	|	|	14.75	53.083	0.00	0.99	12.419	O	|	|	|	|	14.45
48.000	0.00	1.00	12.838	O	|	|	|	|	14.75	53.167	0.00	0.99	12.412	O	|	|	|	|	14.45
48.083	0.00	1.00	12.831	O	|	|	|	|	14.74	53.250	0.00	0.99	12.405	O	|	|	|	|	14.44
48.167	0.00	1.00	12.824	O	|	|	|	|	14.74	53.333	0.00	0.99	12.398	O	|	|	|	|	14.44
48.250	0.00	1.00	12.817	O	|	|	|	|	14.73	53.417	0.00	0.99	12.392	O	|	|	|	|	14.43
48.333	0.00	1.00	12.811	O	|	|	|	|	14.73	53.500	0.00	0.99	12.385	O	|	|	|	|	14.43
48.417	0.00	1.00	12.804	O	|	|	|	|	14.72	53.583	0.00	0.99	12.378	O	|	|	|	|	14.43
48.500	0.00	1.00	12.797	O	|	|	|	|	14.72	53.667	0.00	0.99	12.371	O	|	|	|	|	14.42
48.583	0.00	1.00	12.790	O	|	|	|	|	14.71	53.750	0.00	0.99	12.364	O	|	|	|	|	14.42
48.667	0.00	1.00	12.783	O	|	|	|	|	14.71	53.833	0.00	0.99	12.357	O	|	|	|	|	14.41
48.750	0.00	1.00	12.776	O	|	|	|	|	14.70	53.917	0.00	0.99	12.350	O	|	|	|	|	14.41
48.833	0.00	1.00	12.769	O	|	|	|	|	14.70	54.000	0.00	0.99	12.344	O	|	|	|	|	14.40
48.917	0.00	1.00	12.762	O	|	|	|	|	14.69	54.083	0.00	0.99	12.337	O	|	|	|	|	14.40
49.000	0.00	1.00	12.755	O	|	|	|	|	14.69	54.167	0.00	0.99	12.330	O	|	|	|	|	14.39
49.083	0.00	1.00	12.748	O	|	|	|	|	14.68	54.250	0.00	0.99	12.323	O	|	|	|	|	14.39
49.167	0.00	1.00	12.742	O	|	|	|	|	14.68	54.333	0.00	0.99	12.316	O	|	|	|	|	14.38
49.250	0.00	1.00	12.735	O	|	|	|	|	14.68	54.417	0.00	0.99	12.310	O	|	|	|	|	14.38
49.333	0.00	1.00	12.728	O	|	|	|	|	14.67	54.500	0.00	0.99	12.303	O	|	|	|	|	14.37
49.417	0.00	1.00	12.721	O	|	|	|	|	14.67	54.583	0.00	0.99	12.296	O	|	|	|	|	14.37
49.500	0.00	1.00	12.714	O	|	|	|	|	14.66	54.667	0.00	0.99	12.289	O	|	|	|	|	14.36
49.583	0.00	1.00	12.707	O	|	|	|	|	14.66	54.750	0.00	0.99	12.282	O	|	|	|	|	14.36
49.667	0.00	1.00	12.700	O	|	|	|	|	14.65	54.833	0.00	0.99	12.275	O	|	|	|	|	14.35
49.750	0.00	1.00	12.693	O	|	|	|	|	14.65	54.917	0.00	0.99	12.269	O	|	|	|	|	14.35
49.833	0.00	1.00	12.687	O	|	|	|	|	14.64	55.000	0.00	0.99	12.262	O	|	|	|	|	14.34
49.917	0.00	1.00	12.680	O	|	|	|	|	14.64	55.083	0.00	0.99	12.255	O	|	|	|	|	14.34
50.000	0.00	1.00	12.673	O	|	|	|	|	14.63	55.167	0.00	0.99	12.248	O	|	|	|	|	14.33
50.083	0.00	1.00	12.666	O	|	|	|	|	14.63	55.250	0.00	0.99	12.241	O	|	|	|	|	14.33
50.167	0.00	1.00	12.659	O	|	|	|	|	14.62	55.333	0.00	0.99	12.234	O	|	|	|	|	14.32
50.250	0.00	1.00	12.652	O	|	|	|	|	14.62	55.417	0.00	0.99	12.228	O	|	|	|	|	14.32
50.333	0.00	1.00	12.645	O	|	|	|	|	14.61	55.500	0.00	0.99	12.221	O	|	|	|	|	14.32
50.417	0.00	1.00	12.638	O	|	|	|	|	14.61	55.583	0.00	0.99	12.214	O	|	|	|	|	14.31
50.500	0.00	1.00	12.631	O	|	|	|	|	14.60	55.667	0.00	0.99	12.207	O	|	|	|	|	14.31
50.583	0.00	1.00	12.625	O	|	|	|	|	14.60	55.750	0.00	0.99	12.200	O	|	|	|	|	14.30
50.667	0.00	1.00	12.618	O	|	|	|	|	14.59	55.833	0.00	0.99	12.194	O	|	|	|	|	14.30
50.750	0.00	1.00	12.611	O	|	|	|	|	14.59	55.917	0.00	0.99	12.187	O	|	|	|	|	14.29
50.833	0.00	1.00	12.604	O	|	|	|	|	14.58	56.000	0.00	0.99	12.180	O	|	|	|	|	14.29
50.917	0.00	1.00	12.597	O	|	|	|	|	14.58	56.083	0.00	0.99	12.173	O	|	|	|	|	14.28
51.000	0.00	1.00	12.590	O	|	|	|	|	14.57	56.167	0.00	0.99	12.166	O	|	|	|	|	14.28
51.083	0.00	1.00	12.583	O	|	|	|	|	14.57	56.250	0.00	0.99	12.160	O	|	|	|	|	14.27
51.167	0.00	1.00	12.577	O	|	|	|	|	14.56	56.333	0.00	0.99	12.153	O	|	|	|	|	14.27
51.250	0.00	1.00	12.570	O	|	|	|	|	14.56	56.417	0.00	0.99	12.146	O	|	|	|	|	14.26
51.333	0.00	1.00	12.563	O	|	|	|	|	14.55	56.500	0.00	0.99	12.139	O	|	|	|	|	14.26
51.417	0.00	1.00	12.556	O	|	|	|	|	14.55	56.583	0.00	0.99	12.132	O	|	|	|	|	14.25
51.500	0.00	1.00	12.549	O	|	|	|	|	14.55	56.667	0.00	0.99	12.126	O	|	|	|	|	14.25
51.583	0.00	1.00	12.542	O	|	|	|	|	14.54	56.750	0.00	0.99	12.119	O	|	|	|	|	14.24
51.667	0.00	1.00	12.535	O	|	|	|	|	14.54	56.833	0.00	0.99	12.112	O	|	|	|	|	14.24
51.750	0.00	1.00	12.528	O	|	|	|	|	14.53	56.917	0.00	0.99	12.105	O	|	|	|	|	14.23

57.000	0.00	0.99	12.098	O	|	|	|	|	14.23	62.167	0.00	0.98	11.679	O	|	|	|	|	13.93
57.083	0.00	0.99	12.092	O	|	|	|	|	14.22	62.250	0.00	0.98	11.672	O	|	|	|	|	13.93
57.167	0.00	0.99	12.085	O	|	|	|	|	14.22	62.333	0.00	0.98	11.665	O	|	|	|	|	13.92
57.250	0.00	0.99	12.078	O	|	|	|	|	14.22	62.417	0.00	0.98	11.659	O	|	|	|	|	13.92
57.333	0.00	0.99	12.071	O	|	|	|	|	14.21	62.500	0.00	0.98	11.652	O	|	|	|	|	13.91
57.417	0.00	0.99	12.064	O	|	|	|	|	14.21	62.583	0.00	0.98	11.645	O	|	|	|	|	13.91
57.500	0.00	0.99	12.058	O	|	|	|	|	14.20	62.667	0.00	0.98	11.638	O	|	|	|	|	13.90
57.583	0.00	0.99	12.051	O	|	|	|	|	14.20	62.750	0.00	0.98	11.632	O	|	|	|	|	13.90
57.667	0.00	0.99	12.044	O	|	|	|	|	14.19	62.833	0.00	0.98	11.625	O	|	|	|	|	13.89
57.750	0.00	0.99	12.037	O	|	|	|	|	14.19	62.917	0.00	0.98	11.618	O	|	|	|	|	13.89
57.833	0.00	0.99	12.030	O	|	|	|	|	14.18	63.000	0.00	0.98	11.612	O	|	|	|	|	13.88
57.917	0.00	0.99	12.024	O	|	|	|	|	14.18	63.083	0.00	0.98	11.605	O	|	|	|	|	13.88
58.000	0.00	0.99	12.017	O	|	|	|	|	14.17	63.167	0.00	0.98	11.598	O	|	|	|	|	13.87
58.083	0.00	0.99	12.010	O	|	|	|	|	14.17	63.250	0.00	0.98	11.591	O	|	|	|	|	13.87
58.167	0.00	0.98	12.003	O	|	|	|	|	14.16	63.333	0.00	0.98	11.585	O	|	|	|	|	13.86
58.250	0.00	0.98	11.996	O	|	|	|	|	14.16	63.417	0.00	0.98	11.578	O	|	|	|	|	13.86
58.333	0.00	0.98	11.990	O	|	|	|	|	14.15	63.500	0.00	0.98	11.571	O	|	|	|	|	13.85
58.417	0.00	0.98	11.983	O	|	|	|	|	14.15	63.583	0.00	0.98	11.564	O	|	|	|	|	13.85
58.500	0.00	0.98	11.976	O	|	|	|	|	14.14	63.667	0.00	0.98	11.558	O	|	|	|	|	13.84
58.583	0.00	0.98	11.969	O	|	|	|	|	14.14	63.750	0.00	0.98	11.551	O	|	|	|	|	13.84
58.667	0.00	0.98	11.963	O	|	|	|	|	14.13	63.833	0.00	0.97	11.544	O	|	|	|	|	13.83
58.750	0.00	0.98	11.956	O	|	|	|	|	14.13	63.917	0.00	0.97	11.538	O	|	|	|	|	13.83
58.833	0.00	0.98	11.949	O	|	|	|	|	14.12	64.000	0.00	0.97	11.531	O	|	|	|	|	13.82
58.917	0.00	0.98	11.942	O	|	|	|	|	14.12	64.083	0.00	0.97	11.524	O	|	|	|	|	13.82
59.000	0.00	0.98	11.935	O	|	|	|	|	14.12	64.167	0.00	0.97	11.517	O	|	|	|	|	13.81
59.083	0.00	0.98	11.929	O	|	|	|	|	14.11	64.250	0.00	0.97	11.511	O	|	|	|	|	13.81
59.167	0.00	0.98	11.922	O	|	|	|	|	14.11	64.333	0.00	0.97	11.504	O	|	|	|	|	13.80
59.250	0.00	0.98	11.915	O	|	|	|	|	14.10	64.417	0.00	0.97	11.497	O	|	|	|	|	13.80
59.333	0.00	0.98	11.908	O	|	|	|	|	14.10	64.500	0.00	0.97	11.491	O	|	|	|	|	13.79
59.417	0.00	0.98	11.902	O	|	|	|	|	14.09	64.583	0.00	0.97	11.484	O	|	|	|	|	13.78
59.500	0.00	0.98	11.895	O	|	|	|	|	14.09	64.667	0.00	0.97	11.477	O	|	|	|	|	13.78
59.583	0.00	0.98	11.888	O	|	|	|	|	14.08	64.750	0.00	0.97	11.471	O	|	|	|	|	13.77
59.667	0.00	0.98	11.881	O	|	|	|	|	14.08	64.833	0.00	0.97	11.464	O	|	|	|	|	13.77
59.750	0.00	0.98	11.875	O	|	|	|	|	14.07	64.917	0.00	0.97	11.457	O	|	|	|	|	13.76
59.833	0.00	0.98	11.868	O	|	|	|	|	14.07	65.000	0.00	0.97	11.450	O	|	|	|	|	13.76
59.917	0.00	0.98	11.861	O	|	|	|	|	14.06	65.083	0.00	0.97	11.444	O	|	|	|	|	13.75
60.000	0.00	0.98	11.854	O	|	|	|	|	14.06	65.167	0.00	0.97	11.437	O	|	|	|	|	13.75
60.083	0.00	0.98	11.848	O	|	|	|	|	14.05	65.250	0.00	0.97	11.430	O	|	|	|	|	13.74
60.167	0.00	0.98	11.841	O	|	|	|	|	14.05	65.333	0.00	0.97	11.424	O	|	|	|	|	13.74
60.250	0.00	0.98	11.834	O	|	|	|	|	14.04	65.417	0.00	0.97	11.417	O	|	|	|	|	13.73
60.333	0.00	0.98	11.827	O	|	|	|	|	14.04	65.500	0.00	0.97	11.410	O	|	|	|	|	13.73
60.417	0.00	0.98	11.820	O	|	|	|	|	14.03	65.583	0.00	0.97	11.404	O	|	|	|	|	13.72
60.500	0.00	0.98	11.814	O	|	|	|	|	14.03	65.667	0.00	0.97	11.397	O	|	|	|	|	13.72
60.583	0.00	0.98	11.807	O	|	|	|	|	14.03	65.750	0.00	0.97	11.390	O	|	|	|	|	13.71
60.667	0.00	0.98	11.800	O	|	|	|	|	14.02	65.833	0.00	0.97	11.383	O	|	|	|	|	13.71
60.750	0.00	0.98	11.793	O	|	|	|	|	14.02	65.917	0.00	0.97	11.377	O	|	|	|	|	13.70
60.833	0.00	0.98	11.787	O	|	|	|	|	14.01	66.000	0.00	0.97	11.370	O	|	|	|	|	13.70
60.917	0.00	0.98	11.780	O	|	|	|	|	14.01	66.083	0.00	0.97	11.363	O	|	|	|	|	13.69
61.000	0.00	0.98	11.773	O	|	|	|	|	14.00	66.167	0.00	0.97	11.357	O	|	|	|	|	13.69
61.083	0.00	0.98	11.766	O	|	|	|	|	14.00	66.250	0.00	0.97	11.350	O	|	|	|	|	13.68
61.167	0.00	0.98	11.760	O	|	|	|	|	13.99	66.333	0.00	0.97	11.343	O	|	|	|	|	13.68
61.250	0.00	0.98	11.753	O	|	|	|	|	13.99	66.417	0.00	0.97	11.337	O	|	|	|	|	13.67
61.333	0.00	0.98	11.746	O	|	|	|	|	13.98	66.500	0.00	0.97	11.330	O	|	|	|	|	13.67
61.417	0.00	0.98	11.739	O	|	|	|	|	13.98	66.583	0.00	0.97	11.323	O	|	|	|	|	13.66
61.500	0.00	0.98	11.733	O	|	|	|	|	13.97	66.667	0.00	0.97	11.317	O	|	|	|	|	13.66
61.583	0.00	0.98	11.726	O	|	|	|	|	13.97	66.750	0.00	0.97	11.310	O	|	|	|	|	13.65
61.667	0.00	0.98	11.719	O	|	|	|	|	13.96	66.833	0.00	0.97	11.303	O	|	|	|	|	13.65
61.750	0.00	0.98	11.713	O	|	|	|	|	13.96	66.917	0.00	0.97	11.297	O	|	|	|	|	13.64
61.833	0.00	0.98	11.706	O	|	|	|	|	13.95	67.000	0.00	0.97	11.290	O	|	|	|	|	13.64
61.917	0.00	0.98	11.699	O	|	|	|	|	13.95	67.083	0.00	0.97	11.283	O	|	|	|	|	13.63
62.000	0.00	0.98	11.692	O	|	|	|	|	13.94	67.167	0.00	0.97	11.277	O	|	|	|	|	13.63
62.083	0.00	0.98	11.686	O	|	|	|	|	13.94	67.250	0.00	0.97	11.270	O	|	|	|	|	13.62

67.333	0.00	0.97	11.263	O	|	|	|	|	13.62	72.500	0.00	0.96	10.852	O	|	|	|	|	13.31
67.417	0.00	0.97	11.257	O	|	|	|	|	13.61	72.583	0.00	0.96	10.845	O	|	|	|	|	13.31
67.500	0.00	0.97	11.250	O	|	|	|	|	13.61	72.667	0.00	0.96	10.838	O	|	|	|	|	13.30
67.583	0.00	0.97	11.243	O	|	|	|	|	13.60	72.750	0.00	0.96	10.832	O	|	|	|	|	13.30
67.667	0.00	0.97	11.237	O	|	|	|	|	13.60	72.833	0.00	0.96	10.825	O	|	|	|	|	13.29
67.750	0.00	0.97	11.230	O	|	|	|	|	13.59	72.917	0.00	0.96	10.819	O	|	|	|	|	13.29
67.833	0.00	0.97	11.223	O	|	|	|	|	13.59	73.000	0.00	0.96	10.812	O	|	|	|	|	13.28
67.917	0.00	0.97	11.217	O	|	|	|	|	13.58	73.083	0.00	0.96	10.805	O	|	|	|	|	13.28
68.000	0.00	0.97	11.210	O	|	|	|	|	13.58	73.167	0.00	0.96	10.799	O	|	|	|	|	13.27
68.083	0.00	0.97	11.203	O	|	|	|	|	13.57	73.250	0.00	0.96	10.792	O	|	|	|	|	13.27
68.167	0.00	0.97	11.197	O	|	|	|	|	13.57	73.333	0.00	0.96	10.786	O	|	|	|	|	13.26
68.250	0.00	0.97	11.190	O	|	|	|	|	13.56	73.417	0.00	0.96	10.779	O	|	|	|	|	13.26
68.333	0.00	0.97	11.183	O	|	|	|	|	13.56	73.500	0.00	0.96	10.772	O	|	|	|	|	13.25
68.417	0.00	0.97	11.177	O	|	|	|	|	13.55	73.583	0.00	0.96	10.766	O	|	|	|	|	13.25
68.500	0.00	0.97	11.170	O	|	|	|	|	13.55	73.667	0.00	0.96	10.759	O	|	|	|	|	13.24
68.583	0.00	0.97	11.163	O	|	|	|	|	13.54	73.750	0.00	0.96	10.753	O	|	|	|	|	13.24
68.667	0.00	0.97	11.157	O	|	|	|	|	13.54	73.833	0.00	0.96	10.746	O	|	|	|	|	13.23
68.750	0.00	0.97	11.150	O	|	|	|	|	13.53	73.917	0.00	0.96	10.739	O	|	|	|	|	13.23
68.833	0.00	0.97	11.143	O	|	|	|	|	13.53	74.000	0.00	0.96	10.733	O	|	|	|	|	13.22
68.917	0.00	0.97	11.137	O	|	|	|	|	13.52	74.083	0.00	0.96	10.726	O	|	|	|	|	13.22
69.000	0.00	0.97	11.130	O	|	|	|	|	13.52	74.167	0.00	0.96	10.720	O	|	|	|	|	13.21
69.083	0.00	0.97	11.123	O	|	|	|	|	13.51	74.250	0.00	0.96	10.713	O	|	|	|	|	13.21
69.167	0.00	0.97	11.117	O	|	|	|	|	13.51	74.333	0.00	0.96	10.707	O	|	|	|	|	13.20
69.250	0.00	0.97	11.110	O	|	|	|	|	13.50	74.417	0.00	0.96	10.700	O	|	|	|	|	13.20
69.333	0.00	0.96	11.103	O	|	|	|	|	13.50	74.500	0.00	0.96	10.693	O	|	|	|	|	13.19
69.417	0.00	0.96	11.097	O	|	|	|	|	13.49	74.583	0.00	0.96	10.687	O	|	|	|	|	13.19
69.500	0.00	0.96	11.090	O	|	|	|	|	13.49	74.667	0.00	0.96	10.680	O	|	|	|	|	13.18
69.583	0.00	0.96	11.084	O	|	|	|	|	13.49	74.750	0.00	0.96	10.674	O	|	|	|	|	13.18
69.667	0.00	0.96	11.077	O	|	|	|	|	13.48	74.833	0.00	0.96	10.667	O	|	|	|	|	13.17
69.750	0.00	0.96	11.070	O	|	|	|	|	13.48	74.917	0.00	0.96	10.660	O	|	|	|	|	13.17
69.833	0.00	0.96	11.064	O	|	|	|	|	13.47	75.000	0.00	0.95	10.654	O	|	|	|	|	13.16
69.917	0.00	0.96	11.057	O	|	|	|	|	13.47	75.083	0.00	0.95	10.647	O	|	|	|	|	13.16
70.000	0.00	0.96	11.050	O	|	|	|	|	13.46	75.167	0.00	0.95	10.641	O	|	|	|	|	13.15
70.083	0.00	0.96	11.044	O	|	|	|	|	13.46	75.250	0.00	0.95	10.634	O	|	|	|	|	13.15
70.167	0.00	0.96	11.037	O	|	|	|	|	13.45	75.333	0.00	0.95	10.628	O	|	|	|	|	13.14
70.250	0.00	0.96	11.030	O	|	|	|	|	13.45	75.417	0.00	0.95	10.621	O	|	|	|	|	13.14
70.333	0.00	0.96	11.024	O	|	|	|	|	13.44	75.500	0.00	0.95	10.614	O	|	|	|	|	13.13
70.417	0.00	0.96	11.017	O	|	|	|	|	13.44	75.583	0.00	0.95	10.608	O	|	|	|	|	13.13
70.500	0.00	0.96	11.011	O	|	|	|	|	13.43	75.667	0.00	0.95	10.601	O	|	|	|	|	13.12
70.583	0.00	0.96	11.004	O	|	|	|	|	13.43	75.750	0.00	0.95	10.595	O	|	|	|	|	13.12
70.667	0.00	0.96	10.997	O	|	|	|	|	13.42	75.833	0.00	0.95	10.588	O	|	|	|	|	13.11
70.750	0.00	0.96	10.991	O	|	|	|	|	13.42	75.917	0.00	0.95	10.582	O	|	|	|	|	13.11
70.833	0.00	0.96	10.984	O	|	|	|	|	13.41	76.000	0.00	0.95	10.575	O	|	|	|	|	13.10
70.917	0.00	0.96	10.977	O	|	|	|	|	13.41	76.083	0.00	0.95	10.568	O	|	|	|	|	13.10
71.000	0.00	0.96	10.971	O	|	|	|	|	13.40	76.167	0.00	0.95	10.562	O	|	|	|	|	13.09
71.083	0.00	0.96	10.964	O	|	|	|	|	13.40	76.250	0.00	0.95	10.555	O	|	|	|	|	13.09
71.167	0.00	0.96	10.957	O	|	|	|	|	13.39	76.333	0.00	0.95	10.549	O	|	|	|	|	13.08
71.250	0.00	0.96	10.951	O	|	|	|	|	13.39	76.417	0.00	0.95	10.542	O	|	|	|	|	13.08
71.333	0.00	0.96	10.944	O	|	|	|	|	13.38	76.500	0.00	0.95	10.536	O	|	|	|	|	13.07
71.417	0.00	0.96	10.938	O	|	|	|	|	13.38	76.583	0.00	0.95	10.529	O	|	|	|	|	13.07
71.500	0.00	0.96	10.931	O	|	|	|	|	13.37	76.667	0.00	0.95	10.523	O	|	|	|	|	13.06
71.583	0.00	0.96	10.924	O	|	|	|	|	13.37	76.750	0.00	0.95	10.516	O	|	|	|	|	13.06
71.667	0.00	0.96	10.918	O	|	|	|	|	13.36	76.833	0.00	0.95	10.509	O	|	|	|	|	13.06
71.750	0.00	0.96	10.911	O	|	|	|	|	13.36	76.917	0.00	0.95	10.503	O	|	|	|	|	13.05
71.833	0.00	0.96	10.905	O	|	|	|	|	13.35	77.000	0.00	0.95	10.496	O	|	|	|	|	13.05
71.917	0.00	0.96	10.898	O	|	|	|	|	13.35	77.083	0.00	0.95	10.490	O	|	|	|	|	13.04
72.000	0.00	0.96	10.891	O	|	|	|	|	13.34	77.167	0.00	0.95	10.483	O	|	|	|	|	13.04
72.083	0.00	0.96	10.885	O	|	|	|	|	13.34	77.250	0.00	0.95	10.477	O	|	|	|	|	13.03
72.167	0.00	0.96	10.878	O	|	|	|	|	13.33	77.333	0.00	0.95	10.470	O	|	|	|	|	13.03
72.250	0.00	0.96	10.871	O	|	|	|	|	13.33	77.417	0.00	0.95	10.464	O	|	|	|	|	13.02
72.333	0.00	0.96	10.865	O	|	|	|	|	13.32	77.500	0.00	0.95	10.457	O	|	|	|	|	13.02
72.417	0.00	0.96	10.858	O	|	|	|	|	13.32	77.583	0.00	0.95	10.451	O	|	|	|	|	13.01

77.667	0.00	0.95	10.444	O	|	|	|	|	13.01	82.833	0.00	0.94	10.041	O	|	|	|	|	12.68
77.750	0.00	0.95	10.437	O	|	|	|	|	13.00	82.917	0.00	0.94	10.035	O	|	|	|	|	12.68
77.833	0.00	0.95	10.431	O	|	|	|	|	13.00	83.000	0.00	0.94	10.028	O	|	|	|	|	12.67
77.917	0.00	0.95	10.424	O	|	|	|	|	12.99	83.083	0.00	0.94	10.022	O	|	|	|	|	12.67
78.000	0.00	0.95	10.418	O	|	|	|	|	12.99	83.167	0.00	0.94	10.015	O	|	|	|	|	12.66
78.083	0.00	0.95	10.411	O	|	|	|	|	12.98	83.250	0.00	0.94	10.009	O	|	|	|	|	12.66
78.167	0.00	0.95	10.405	O	|	|	|	|	12.97	83.333	0.00	0.94	10.002	O	|	|	|	|	12.65
78.250	0.00	0.95	10.398	O	|	|	|	|	12.97	83.417	0.00	0.94	9.996	O	|	|	|	|	12.65
78.333	0.00	0.95	10.392	O	|	|	|	|	12.96	83.500	0.00	0.94	9.989	O	|	|	|	|	12.64
78.417	0.00	0.95	10.385	O	|	|	|	|	12.96	83.583	0.00	0.94	9.983	O	|	|	|	|	12.64
78.500	0.00	0.95	10.379	O	|	|	|	|	12.95	83.667	0.00	0.94	9.977	O	|	|	|	|	12.63
78.583	0.00	0.95	10.372	O	|	|	|	|	12.95	83.750	0.00	0.94	9.970	O	|	|	|	|	12.63
78.667	0.00	0.95	10.366	O	|	|	|	|	12.94	83.833	0.00	0.93	9.964	O	|	|	|	|	12.62
78.750	0.00	0.95	10.359	O	|	|	|	|	12.94	83.917	0.00	0.93	9.957	O	|	|	|	|	12.62
78.833	0.00	0.95	10.352	O	|	|	|	|	12.93	84.000	0.00	0.93	9.951	O	|	|	|	|	12.61
78.917	0.00	0.95	10.346	O	|	|	|	|	12.93	84.083	0.00	0.93	9.944	O	|	|	|	|	12.61
79.000	0.00	0.95	10.339	O	|	|	|	|	12.92	84.167	0.00	0.93	9.938	O	|	|	|	|	12.60
79.083	0.00	0.95	10.333	O	|	|	|	|	12.92	84.250	0.00	0.93	9.931	O	|	|	|	|	12.60
79.167	0.00	0.95	10.326	O	|	|	|	|	12.91	84.333	0.00	0.93	9.925	O	|	|	|	|	12.59
79.250	0.00	0.95	10.320	O	|	|	|	|	12.91	84.417	0.00	0.93	9.919	O	|	|	|	|	12.58
79.333	0.00	0.95	10.313	O	|	|	|	|	12.90	84.500	0.00	0.93	9.912	O	|	|	|	|	12.58
79.417	0.00	0.95	10.307	O	|	|	|	|	12.90	84.583	0.00	0.93	9.906	O	|	|	|	|	12.57
79.500	0.00	0.95	10.300	O	|	|	|	|	12.89	84.667	0.00	0.93	9.899	O	|	|	|	|	12.57
79.583	0.00	0.95	10.294	O	|	|	|	|	12.89	84.750	0.00	0.93	9.893	O	|	|	|	|	12.56
79.667	0.00	0.95	10.287	O	|	|	|	|	12.88	84.833	0.00	0.93	9.886	O	|	|	|	|	12.56
79.750	0.00	0.95	10.281	O	|	|	|	|	12.88	84.917	0.00	0.93	9.880	O	|	|	|	|	12.55
79.833	0.00	0.94	10.274	O	|	|	|	|	12.87	85.000	0.00	0.93	9.874	O	|	|	|	|	12.55
79.917	0.00	0.94	10.268	O	|	|	|	|	12.87	85.083	0.00	0.93	9.867	O	|	|	|	|	12.54
80.000	0.00	0.94	10.261	O	|	|	|	|	12.86	85.167	0.00	0.93	9.861	O	|	|	|	|	12.54
80.083	0.00	0.94	10.255	O	|	|	|	|	12.85	85.250	0.00	0.93	9.854	O	|	|	|	|	12.53
80.167	0.00	0.94	10.248	O	|	|	|	|	12.85	85.333	0.00	0.93	9.848	O	|	|	|	|	12.53
80.250	0.00	0.94	10.242	O	|	|	|	|	12.84	85.417	0.00	0.93	9.842	O	|	|	|	|	12.52
80.333	0.00	0.94	10.235	O	|	|	|	|	12.84	85.500	0.00	0.93	9.835	O	|	|	|	|	12.52
80.417	0.00	0.94	10.229	O	|	|	|	|	12.83	85.583	0.00	0.93	9.829	O	|	|	|	|	12.51
80.500	0.00	0.94	10.222	O	|	|	|	|	12.83	85.667	0.00	0.93	9.822	O	|	|	|	|	12.51
80.583	0.00	0.94	10.216	O	|	|	|	|	12.82	85.750	0.00	0.93	9.816	O	|	|	|	|	12.50
80.667	0.00	0.94	10.209	O	|	|	|	|	12.82	85.833	0.00	0.93	9.810	O	|	|	|	|	12.50
80.750	0.00	0.94	10.203	O	|	|	|	|	12.81	85.917	0.00	0.93	9.803	O	|	|	|	|	12.49
80.833	0.00	0.94	10.196	O	|	|	|	|	12.81	86.000	0.00	0.93	9.797	O	|	|	|	|	12.49
80.917	0.00	0.94	10.190	O	|	|	|	|	12.80	86.083	0.00	0.93	9.790	O	|	|	|	|	12.48
81.000	0.00	0.94	10.183	O	|	|	|	|	12.80	86.167	0.00	0.93	9.784	O	|	|	|	|	12.48
81.083	0.00	0.94	10.177	O	|	|	|	|	12.79	86.250	0.00	0.93	9.778	O	|	|	|	|	12.47
81.167	0.00	0.94	10.170	O	|	|	|	|	12.79	86.333	0.00	0.93	9.771	O	|	|	|	|	12.47
81.250	0.00	0.94	10.164	O	|	|	|	|	12.78	86.417	0.00	0.93	9.765	O	|	|	|	|	12.46
81.333	0.00	0.94	10.157	O	|	|	|	|	12.78	86.500	0.00	0.93	9.758	O	|	|	|	|	12.46
81.417	0.00	0.94	10.151	O	|	|	|	|	12.77	86.583	0.00	0.93	9.752	O	|	|	|	|	12.45
81.500	0.00	0.94	10.144	O	|	|	|	|	12.77	86.667	0.00	0.93	9.746	O	|	|	|	|	12.45
81.583	0.00	0.94	10.138	O	|	|	|	|	12.76	86.750	0.00	0.93	9.739	O	|	|	|	|	12.44
81.667	0.00	0.94	10.132	O	|	|	|	|	12.76	86.833	0.00	0.93	9.733	O	|	|	|	|	12.44
81.750	0.00	0.94	10.125	O	|	|	|	|	12.75	86.917	0.00	0.93	9.726	O	|	|	|	|	12.43
81.833	0.00	0.94	10.119	O	|	|	|	|	12.75	87.000	0.00	0.93	9.720	O	|	|	|	|	12.43
81.917	0.00	0.94	10.112	O	|	|	|	|	12.74	87.083	0.00	0.93	9.714	O	|	|	|	|	12.42
82.000	0.00	0.94	10.106	O	|	|	|	|	12.73	87.167	0.00	0.93	9.707	O	|	|	|	|	12.42
82.083	0.00	0.94	10.099	O	|	|	|	|	12.73	87.250	0.00	0.93	9.701	O	|	|	|	|	12.41
82.167	0.00	0.94	10.093	O	|	|	|	|	12.72	87.333	0.00	0.93	9.694	O	|	|	|	|	12.40
82.250	0.00	0.94	10.086	O	|	|	|	|	12.72	87.417	0.00	0.93	9.688	O	|	|	|	|	12.40
82.333	0.00	0.94	10.080	O	|	|	|	|	12.71	87.500	0.00	0.93	9.682	O	|	|	|	|	12.39
82.417	0.00	0.94	10.073	O	|	|	|	|	12.71	87.583	0.00	0.93	9.675	O	|	|	|	|	12.39
82.500	0.00	0.94	10.067	O	|	|	|	|	12.70	87.667	0.00	0.93	9.669	O	|	|	|	|	12.38
82.583	0.00	0.94	10.060	O	|	|	|	|	12.70	87.750	0.00	0.93	9.663	O	|	|	|	|	12.38
82.667	0.00	0.94	10.054	O	|	|	|	|	12.69	87.833	0.00	0.92	9.656	O	|	|	|	|	12.37
82.750	0.00	0.94	10.047	O	|	|	|	|	12.69	87.917	0.00	0.92	9.650	O	|	|	|	|	12.37

88.000	0.00	0.92	9.643	O	|	|	|	|	12.36	93.167	0.00	0.91	9.251	O	|	|	|	|	12.05
88.083	0.00	0.92	9.637	O	|	|	|	|	12.36	93.250	0.00	0.91	9.245	O	|	|	|	|	12.04
88.167	0.00	0.92	9.631	O	|	|	|	|	12.35	93.333	0.00	0.91	9.239	O	|	|	|	|	12.04
88.250	0.00	0.92	9.624	O	|	|	|	|	12.35	93.417	0.00	0.91	9.233	O	|	|	|	|	12.03
88.333	0.00	0.92	9.618	O	|	|	|	|	12.34	93.500	0.00	0.91	9.226	O	|	|	|	|	12.03
88.417	0.00	0.92	9.612	O	|	|	|	|	12.34	93.583	0.00	0.91	9.220	O	|	|	|	|	12.02
88.500	0.00	0.92	9.605	O	|	|	|	|	12.33	93.667	0.00	0.91	9.214	O	|	|	|	|	12.02
88.583	0.00	0.92	9.599	O	|	|	|	|	12.33	93.750	0.00	0.91	9.207	O	|	|	|	|	12.01
88.667	0.00	0.92	9.593	O	|	|	|	|	12.32	93.833	0.00	0.91	9.201	O	|	|	|	|	12.01
88.750	0.00	0.92	9.586	O	|	|	|	|	12.32	93.917	0.00	0.91	9.195	O	|	|	|	|	12.00
88.833	0.00	0.92	9.580	O	|	|	|	|	12.31	94.000	0.00	0.91	9.189	O	|	|	|	|	12.00
88.917	0.00	0.92	9.574	O	|	|	|	|	12.31	94.083	0.00	0.91	9.182	O	|	|	|	|	11.99
89.000	0.00	0.92	9.567	O	|	|	|	|	12.30	94.167	0.00	0.91	9.176	O	|	|	|	|	11.99
89.083	0.00	0.92	9.561	O	|	|	|	|	12.30	94.250	0.00	0.91	9.170	O	|	|	|	|	11.98
89.167	0.00	0.92	9.554	O	|	|	|	|	12.29	94.333	0.00	0.91	9.164	O	|	|	|	|	11.98
89.250	0.00	0.92	9.548	O	|	|	|	|	12.29	94.417	0.00	0.91	9.157	O	|	|	|	|	11.97
89.333	0.00	0.92	9.542	O	|	|	|	|	12.28	94.500	0.00	0.91	9.151	O	|	|	|	|	11.97
89.417	0.00	0.92	9.535	O	|	|	|	|	12.28	94.583	0.00	0.91	9.145	O	|	|	|	|	11.96
89.500	0.00	0.92	9.529	O	|	|	|	|	12.27	94.667	0.00	0.91	9.139	O	|	|	|	|	11.96
89.583	0.00	0.92	9.523	O	|	|	|	|	12.27	94.750	0.00	0.91	9.132	O	|	|	|	|	11.95
89.667	0.00	0.92	9.516	O	|	|	|	|	12.26	94.833	0.00	0.91	9.126	O	|	|	|	|	11.94
89.750	0.00	0.92	9.510	O	|	|	|	|	12.26	94.917	0.00	0.91	9.120	O	|	|	|	|	11.94
89.833	0.00	0.92	9.504	O	|	|	|	|	12.25	95.000	0.00	0.91	9.114	O	|	|	|	|	11.93
89.917	0.00	0.92	9.497	O	|	|	|	|	12.25	95.083	0.00	0.91	9.107	O	|	|	|	|	11.93
90.000	0.00	0.92	9.491	O	|	|	|	|	12.24	95.167	0.00	0.91	9.101	O	|	|	|	|	11.92
90.083	0.00	0.92	9.485	O	|	|	|	|	12.24	95.250	0.00	0.91	9.095	O	|	|	|	|	11.92
90.167	0.00	0.92	9.478	O	|	|	|	|	12.23	95.333	0.00	0.91	9.089	O	|	|	|	|	11.91
90.250	0.00	0.92	9.472	O	|	|	|	|	12.23	95.417	0.00	0.91	9.082	O	|	|	|	|	11.91
90.333	0.00	0.92	9.466	O	|	|	|	|	12.22	95.500	0.00	0.91	9.076	O	|	|	|	|	11.90
90.417	0.00	0.92	9.459	O	|	|	|	|	12.22	95.583	0.00	0.91	9.070	O	|	|	|	|	11.90
90.500	0.00	0.92	9.453	O	|	|	|	|	12.21	95.667	0.00	0.91	9.064	O	|	|	|	|	11.89
90.583	0.00	0.92	9.447	O	|	|	|	|	12.21	95.750	0.00	0.91	9.057	O	|	|	|	|	11.89
90.667	0.00	0.92	9.440	O	|	|	|	|	12.20	95.833	0.00	0.91	9.051	O	|	|	|	|	11.88
90.750	0.00	0.92	9.434	O	|	|	|	|	12.20	95.917	0.00	0.91	9.045	O	|	|	|	|	11.87
90.833	0.00	0.92	9.428	O	|	|	|	|	12.19	96.000	0.00	0.91	9.039	O	|	|	|	|	11.87
90.917	0.00	0.92	9.421	O	|	|	|	|	12.19	96.083	0.00	0.91	9.032	O	|	|	|	|	11.86
91.000	0.00	0.92	9.415	O	|	|	|	|	12.18	96.167	0.00	0.91	9.026	O	|	|	|	|	11.86
91.083	0.00	0.92	9.409	O	|	|	|	|	12.18	96.250	0.00	0.91	9.020	O	|	|	|	|	11.85
91.167	0.00	0.92	9.403	O	|	|	|	|	12.17	96.333	0.00	0.91	9.014	O	|	|	|	|	11.85
91.250	0.00	0.92	9.396	O	|	|	|	|	12.17	96.417	0.00	0.91	9.007	O	|	|	|	|	11.84
91.333	0.00	0.92	9.390	O	|	|	|	|	12.16	96.500	0.00	0.91	9.001	O	|	|	|	|	11.84
91.417	0.00	0.92	9.384	O	|	|	|	|	12.16	96.583	0.00	0.90	8.995	O	|	|	|	|	11.83
91.500	0.00	0.92	9.377	O	|	|	|	|	12.15	96.667	0.00	0.90	8.989	O	|	|	|	|	11.83
91.583	0.00	0.92	9.371	O	|	|	|	|	12.15	96.750	0.00	0.90	8.982	O	|	|	|	|	11.82
91.667	0.00	0.92	9.365	O	|	|	|	|	12.14	96.833	0.00	0.90	8.976	O	|	|	|	|	11.81
91.750	0.00	0.92	9.358	O	|	|	|	|	12.14	96.917	0.00	0.90	8.970	O	|	|	|	|	11.81
91.833	0.00	0.92	9.352	O	|	|	|	|	12.13	97.000	0.00	0.90	8.964	O	|	|	|	|	11.80
91.917	0.00	0.92	9.346	O	|	|	|	|	12.13	97.083	0.00	0.90	8.958	O	|	|	|	|	11.80
92.000	0.00	0.91	9.339	O	|	|	|	|	12.12	97.167	0.00	0.90	8.951	O	|	|	|	|	11.79
92.083	0.00	0.91	9.333	O	|	|	|	|	12.11	97.250	0.00	0.90	8.945	O	|	|	|	|	11.79
92.167	0.00	0.91	9.327	O	|	|	|	|	12.11	97.333	0.00	0.90	8.939	O	|	|	|	|	11.78
92.250	0.00	0.91	9.321	O	|	|	|	|	12.10	97.417	0.00	0.90	8.933	O	|	|	|	|	11.78
92.333	0.00	0.91	9.314	O	|	|	|	|	12.10	97.500	0.00	0.90	8.926	O	|	|	|	|	11.77
92.417	0.00	0.91	9.308	O	|	|	|	|	12.09	97.583	0.00	0.90	8.920	O	|	|	|	|	11.77
92.500	0.00	0.91	9.302	O	|	|	|	|	12.09	97.667	0.00	0.90	8.914	O	|	|	|	|	11.76
92.583	0.00	0.91	9.295	O	|	|	|	|	12.08	97.750	0.00	0.90	8.908	O	|	|	|	|	11.76
92.667	0.00	0.91	9.289	O	|	|	|	|	12.08	97.833	0.00	0.90	8.902	O	|	|	|	|	11.75
92.750	0.00	0.91	9.283	O	|	|	|	|	12.07	97.917	0.00	0.90	8.895	O	|	|	|	|	11.74
92.833	0.00	0.91	9.277	O	|	|	|	|	12.07	98.000	0.00	0.90	8.889	O	|	|	|	|	11.74
92.917	0.00	0.91	9.270	O	|	|	|	|	12.06	98.083	0.00	0.90	8.883	O	|	|	|	|	11.73
93.000	0.00	0.91	9.264	O	|	|	|	|	12.06	98.167	0.00	0.90	8.877	O	|	|	|	|	11.73
93.083	0.00	0.91	9.258	O	|	|	|	|	12.05	98.250	0.00	0.90	8.870	O	|	|	|	|	11.72

98.333	0.00	0.90	8.864	O	|	|	|	|	11.72	103.500	0.00	0.89	8.481	O	|	|	|	|	11.39
98.417	0.00	0.90	8.858	O	|	|	|	|	11.71	103.583	0.00	0.89	8.475	O	|	|	|	|	11.38
98.500	0.00	0.90	8.852	O	|	|	|	|	11.71	103.667	0.00	0.89	8.469	O	|	|	|	|	11.38
98.583	0.00	0.90	8.846	O	|	|	|	|	11.70	103.750	0.00	0.89	8.463	O	|	|	|	|	11.37
98.667	0.00	0.90	8.839	O	|	|	|	|	11.70	103.833	0.00	0.89	8.457	O	|	|	|	|	11.37
98.750	0.00	0.90	8.833	O	|	|	|	|	11.69	103.917	0.00	0.89	8.451	O	|	|	|	|	11.36
98.833	0.00	0.90	8.827	O	|	|	|	|	11.69	104.000	0.00	0.89	8.445	O	|	|	|	|	11.35
98.917	0.00	0.90	8.821	O	|	|	|	|	11.68	104.083	0.00	0.89	8.438	O	|	|	|	|	11.35
99.000	0.00	0.90	8.815	O	|	|	|	|	11.68	104.167	0.00	0.89	8.432	O	|	|	|	|	11.34
99.083	0.00	0.90	8.808	O	|	|	|	|	11.67	104.250	0.00	0.89	8.426	O	|	|	|	|	11.34
99.167	0.00	0.90	8.802	O	|	|	|	|	11.66	104.333	0.00	0.89	8.420	O	|	|	|	|	11.33
99.250	0.00	0.90	8.796	O	|	|	|	|	11.66	104.417	0.00	0.89	8.414	O	|	|	|	|	11.33
99.333	0.00	0.90	8.790	O	|	|	|	|	11.65	104.500	0.00	0.89	8.408	O	|	|	|	|	11.32
99.417	0.00	0.90	8.784	O	|	|	|	|	11.65	104.583	0.00	0.89	8.402	O	|	|	|	|	11.32
99.500	0.00	0.90	8.777	O	|	|	|	|	11.64	104.667	0.00	0.89	8.396	O	|	|	|	|	11.31
99.583	0.00	0.90	8.771	O	|	|	|	|	11.64	104.750	0.00	0.89	8.389	O	|	|	|	|	11.31
99.667	0.00	0.90	8.765	O	|	|	|	|	11.63	104.833	0.00	0.89	8.383	O	|	|	|	|	11.30
99.750	0.00	0.90	8.759	O	|	|	|	|	11.63	104.917	0.00	0.89	8.377	O	|	|	|	|	11.30
99.833	0.00	0.90	8.753	O	|	|	|	|	11.62	105.000	0.00	0.89	8.371	O	|	|	|	|	11.29
99.917	0.00	0.90	8.747	O	|	|	|	|	11.62	105.083	0.00	0.89	8.365	O	|	|	|	|	11.29
100.000	0.00	0.90	8.740	O	|	|	|	|	11.61	105.167	0.00	0.89	8.359	O	|	|	|	|	11.28
100.083	0.00	0.90	8.734	O	|	|	|	|	11.61	105.250	0.00	0.89	8.353	O	|	|	|	|	11.28
100.167	0.00	0.90	8.728	O	|	|	|	|	11.60	105.333	0.00	0.89	8.347	O	|	|	|	|	11.27
100.250	0.00	0.90	8.722	O	|	|	|	|	11.59	105.417	0.00	0.89	8.341	O	|	|	|	|	11.26
100.333	0.00	0.90	8.716	O	|	|	|	|	11.59	105.500	0.00	0.89	8.334	O	|	|	|	|	11.26
100.417	0.00	0.90	8.709	O	|	|	|	|	11.58	105.583	0.00	0.89	8.328	O	|	|	|	|	11.25
100.500	0.00	0.90	8.703	O	|	|	|	|	11.58	105.667	0.00	0.89	8.322	O	|	|	|	|	11.25
100.583	0.00	0.90	8.697	O	|	|	|	|	11.57	105.750	0.00	0.89	8.316	O	|	|	|	|	11.24
100.667	0.00	0.90	8.691	O	|	|	|	|	11.57	105.833	0.00	0.89	8.310	O	|	|	|	|	11.24
100.750	0.00	0.90	8.685	O	|	|	|	|	11.56	105.917	0.00	0.89	8.304	O	|	|	|	|	11.23
100.833	0.00	0.90	8.679	O	|	|	|	|	11.56	106.000	0.00	0.89	8.298	O	|	|	|	|	11.23
100.917	0.00	0.90	8.672	O	|	|	|	|	11.55	106.083	0.00	0.89	8.292	O	|	|	|	|	11.22
101.000	0.00	0.90	8.666	O	|	|	|	|	11.55	106.167	0.00	0.89	8.286	O	|	|	|	|	11.22
101.083	0.00	0.90	8.660	O	|	|	|	|	11.54	106.250	0.00	0.89	8.279	O	|	|	|	|	11.21
101.167	0.00	0.90	8.654	O	|	|	|	|	11.54	106.333	0.00	0.89	8.273	O	|	|	|	|	11.21
101.250	0.00	0.90	8.648	O	|	|	|	|	11.53	106.417	0.00	0.89	8.267	O	|	|	|	|	11.20
101.333	0.00	0.90	8.641	O	|	|	|	|	11.53	106.500	0.00	0.89	8.261	O	|	|	|	|	11.20
101.417	0.00	0.90	8.635	O	|	|	|	|	11.52	106.583	0.00	0.89	8.255	O	|	|	|	|	11.19
101.500	0.00	0.90	8.629	O	|	|	|	|	11.51	106.667	0.00	0.89	8.249	O	|	|	|	|	11.19
101.583	0.00	0.90	8.623	O	|	|	|	|	11.51	106.750	0.00	0.89	8.243	O	|	|	|	|	11.18
101.667	0.00	0.90	8.617	O	|	|	|	|	11.50	106.833	0.00	0.89	8.237	O	|	|	|	|	11.17
101.750	0.00	0.89	8.611	O	|	|	|	|	11.50	106.917	0.00	0.89	8.231	O	|	|	|	|	11.17
101.833	0.00	0.89	8.604	O	|	|	|	|	11.49	107.000	0.00	0.88	8.225	O	|	|	|	|	11.16
101.917	0.00	0.89	8.598	O	|	|	|	|	11.49	107.083	0.00	0.88	8.218	O	|	|	|	|	11.16
102.000	0.00	0.89	8.592	O	|	|	|	|	11.48	107.167	0.00	0.88	8.212	O	|	|	|	|	11.15
102.083	0.00	0.89	8.586	O	|	|	|	|	11.48	107.250	0.00	0.88	8.206	O	|	|	|	|	11.15
102.167	0.00	0.89	8.580	O	|	|	|	|	11.47	107.333	0.00	0.88	8.200	O	|	|	|	|	11.14
102.250	0.00	0.89	8.574	O	|	|	|	|	11.47	107.417	0.00	0.88	8.194	O	|	|	|	|	11.14
102.333	0.00	0.89	8.568	O	|	|	|	|	11.46	107.500	0.00	0.88	8.188	O	|	|	|	|	11.13
102.417	0.00	0.89	8.561	O	|	|	|	|	11.46	107.583	0.00	0.88	8.182	O	|	|	|	|	11.13
102.500	0.00	0.89	8.555	O	|	|	|	|	11.45	107.667	0.00	0.88	8.176	O	|	|	|	|	11.12
102.583	0.00	0.89	8.549	O	|	|	|	|	11.45	107.750	0.00	0.88	8.170	O	|	|	|	|	11.12
102.667	0.00	0.89	8.543	O	|	|	|	|	11.44	107.833	0.00	0.88	8.164	O	|	|	|	|	11.11
102.750	0.00	0.89	8.537	O	|	|	|	|	11.43	107.917	0.00	0.88	8.158	O	|	|	|	|	11.11
102.833	0.00	0.89	8.531	O	|	|	|	|	11.43	108.000	0.00	0.88	8.151	O	|	|	|	|	11.10
102.917	0.00	0.89	8.524	O	|	|	|	|	11.42	108.083	0.00	0.88	8.145	O	|	|	|	|	11.10
103.000	0.00	0.89	8.518	O	|	|	|	|	11.42	108.167	0.00	0.88	8.139	O	|	|	|	|	11.09
103.083	0.00	0.89	8.512	O	|	|	|	|	11.41	108.250	0.00	0.88	8.133	O	|	|	|	|	11.09
103.167	0.00	0.89	8.506	O	|	|	|	|	11.41	108.333	0.00	0.88	8.127	O	|	|	|	|	11.08
103.250	0.00	0.89	8.500	O	|	|	|	|	11.40	108.417	0.00	0.88	8.121	O	|	|	|	|	11.07
103.333	0.00	0.89	8.494	O	|	|	|	|	11.40	108.500	0.00	0.88	8.115	O	|	|	|	|	11.07
103.417	0.00	0.89	8.488	O	|	|	|	|	11.39	108.583	0.00	0.88	8.109	O	|	|	|	|	11.06

108.667	0.00	0.88	8.103	O	|	|	|	|	11.06	113.833	0.00	0.87	7.729	O	|	|	|	|	10.72
108.750	0.00	0.88	8.097	O	|	|	|	|	11.05	113.917	0.00	0.87	7.723	O	|	|	|	|	10.71
108.833	0.00	0.88	8.091	O	|	|	|	|	11.05	114.000	0.00	0.87	7.717	O	|	|	|	|	10.70
108.917	0.00	0.88	8.085	O	|	|	|	|	11.04	114.083	0.00	0.87	7.711	O	|	|	|	|	10.70
109.000	0.00	0.88	8.079	O	|	|	|	|	11.04	114.167	0.00	0.87	7.705	O	|	|	|	|	10.69
109.083	0.00	0.88	8.072	O	|	|	|	|	11.03	114.250	0.00	0.87	7.699	O	|	|	|	|	10.69
109.167	0.00	0.88	8.066	O	|	|	|	|	11.03	114.333	0.00	0.87	7.693	O	|	|	|	|	10.68
109.250	0.00	0.88	8.060	O	|	|	|	|	11.02	114.417	0.00	0.87	7.687	O	|	|	|	|	10.68
109.333	0.00	0.88	8.054	O	|	|	|	|	11.02	114.500	0.00	0.87	7.681	O	|	|	|	|	10.67
109.417	0.00	0.88	8.048	O	|	|	|	|	11.01	114.583	0.00	0.87	7.675	O	|	|	|	|	10.67
109.500	0.00	0.88	8.042	O	|	|	|	|	11.01	114.667	0.00	0.87	7.669	O	|	|	|	|	10.66
109.583	0.00	0.88	8.036	O	|	|	|	|	11.00	114.750	0.00	0.87	7.663	O	|	|	|	|	10.65
109.667	0.00	0.88	8.030	O	|	|	|	|	11.00	114.833	0.00	0.87	7.657	O	|	|	|	|	10.65
109.750	0.00	0.88	8.024	O	|	|	|	|	10.99	114.917	0.00	0.87	7.651	O	|	|	|	|	10.64
109.833	0.00	0.88	8.018	O	|	|	|	|	10.98	115.000	0.00	0.87	7.645	O	|	|	|	|	10.64
109.917	0.00	0.88	8.012	O	|	|	|	|	10.98	115.083	0.00	0.87	7.639	O	|	|	|	|	10.63
110.000	0.00	0.88	8.006	O	|	|	|	|	10.97	115.167	0.00	0.87	7.634	O	|	|	|	|	10.63
110.083	0.00	0.88	8.000	O	|	|	|	|	10.97	115.250	0.00	0.86	7.628	O	|	|	|	|	10.62
110.167	0.00	0.88	7.994	O	|	|	|	|	10.96	115.333	0.00	0.86	7.622	O	|	|	|	|	10.62
110.250	0.00	0.88	7.988	O	|	|	|	|	10.96	115.417	0.00	0.86	7.616	O	|	|	|	|	10.61
110.333	0.00	0.88	7.982	O	|	|	|	|	10.95	115.500	0.00	0.86	7.610	O	|	|	|	|	10.60
110.417	0.00	0.88	7.976	O	|	|	|	|	10.94	115.583	0.00	0.86	7.604	O	|	|	|	|	10.60
110.500	0.00	0.88	7.970	O	|	|	|	|	10.94	115.667	0.00	0.86	7.598	O	|	|	|	|	10.59
110.583	0.00	0.88	7.963	O	|	|	|	|	10.93	115.750	0.00	0.86	7.592	O	|	|	|	|	10.59
110.667	0.00	0.88	7.957	O	|	|	|	|	10.93	115.833	0.00	0.86	7.586	O	|	|	|	|	10.58
110.750	0.00	0.88	7.951	O	|	|	|	|	10.92	115.917	0.00	0.86	7.580	O	|	|	|	|	10.58
110.833	0.00	0.88	7.945	O	|	|	|	|	10.92	116.000	0.00	0.86	7.574	O	|	|	|	|	10.57
110.917	0.00	0.88	7.939	O	|	|	|	|	10.91	116.083	0.00	0.86	7.568	O	|	|	|	|	10.57
111.000	0.00	0.88	7.933	O	|	|	|	|	10.91	116.167	0.00	0.86	7.562	O	|	|	|	|	10.56
111.083	0.00	0.88	7.927	O	|	|	|	|	10.90	116.250	0.00	0.86	7.556	O	|	|	|	|	10.55
111.167	0.00	0.88	7.921	O	|	|	|	|	10.89	116.333	0.00	0.86	7.550	O	|	|	|	|	10.55
111.250	0.00	0.88	7.915	O	|	|	|	|	10.89	116.417	0.00	0.86	7.544	O	|	|	|	|	10.54
111.333	0.00	0.88	7.909	O	|	|	|	|	10.88	116.500	0.00	0.86	7.538	O	|	|	|	|	10.54
111.417	0.00	0.88	7.903	O	|	|	|	|	10.88	116.583	0.00	0.86	7.532	O	|	|	|	|	10.53
111.500	0.00	0.87	7.897	O	|	|	|	|	10.87	116.667	0.00	0.86	7.527	O	|	|	|	|	10.53
111.583	0.00	0.87	7.891	O	|	|	|	|	10.87	116.750	0.00	0.86	7.521	O	|	|	|	|	10.52
111.667	0.00	0.87	7.885	O	|	|	|	|	10.86	116.833	0.00	0.86	7.515	O	|	|	|	|	10.52
111.750	0.00	0.87	7.879	O	|	|	|	|	10.85	116.917	0.00	0.86	7.509	O	|	|	|	|	10.51
111.833	0.00	0.87	7.873	O	|	|	|	|	10.85	117.000	0.00	0.86	7.503	O	|	|	|	|	10.50
111.917	0.00	0.87	7.867	O	|	|	|	|	10.84	117.083	0.00	0.86	7.497	O	|	|	|	|	10.50
112.000	0.00	0.87	7.861	O	|	|	|	|	10.84	117.167	0.00	0.86	7.491	O	|	|	|	|	10.49
112.083	0.00	0.87	7.855	O	|	|	|	|	10.83	117.250	0.00	0.86	7.485	O	|	|	|	|	10.49
112.167	0.00	0.87	7.849	O	|	|	|	|	10.83	117.333	0.00	0.86	7.479	O	|	|	|	|	10.48
112.250	0.00	0.87	7.843	O	|	|	|	|	10.82	117.417	0.00	0.86	7.473	O	|	|	|	|	10.48
112.333	0.00	0.87	7.837	O	|	|	|	|	10.82	117.500	0.00	0.86	7.467	O	|	|	|	|	10.47
112.417	0.00	0.87	7.831	O	|	|	|	|	10.81	117.583	0.00	0.86	7.461	O	|	|	|	|	10.47
112.500	0.00	0.87	7.825	O	|	|	|	|	10.80	117.667	0.00	0.86	7.455	O	|	|	|	|	10.46
112.583	0.00	0.87	7.819	O	|	|	|	|	10.80	117.750	0.00	0.86	7.450	O	|	|	|	|	10.46
112.667	0.00	0.87	7.813	O	|	|	|	|	10.79	117.833	0.00	0.86	7.444	O	|	|	|	|	10.45
112.750	0.00	0.87	7.807	O	|	|	|	|	10.79	117.917	0.00	0.86	7.438	O	|	|	|	|	10.44
112.833	0.00	0.87	7.801	O	|	|	|	|	10.78	118.000	0.00	0.86	7.432	O	|	|	|	|	10.44
112.917	0.00	0.87	7.795	O	|	|	|	|	10.78	118.083	0.00	0.86	7.426	O	|	|	|	|	10.43
113.000	0.00	0.87	7.789	O	|	|	|	|	10.77	118.167	0.00	0.86	7.420	O	|	|	|	|	10.43
113.083	0.00	0.87	7.783	O	|	|	|	|	10.77	118.250	0.00	0.86	7.414	O	|	|	|	|	10.42
113.167	0.00	0.87	7.777	O	|	|	|	|	10.76	118.333	0.00	0.86	7.408	O	|	|	|	|	10.42
113.250	0.00	0.87	7.771	O	|	|	|	|	10.75	118.417	0.00	0.86	7.402	O	|	|	|	|	10.41
113.333	0.00	0.87	7.765	O	|	|	|	|	10.75	118.500	0.00	0.86	7.396	O	|	|	|	|	10.41
113.417	0.00	0.87	7.759	O	|	|	|	|	10.74	118.583	0.00	0.86	7.391	O	|	|	|	|	10.40
113.500	0.00	0.87	7.753	O	|	|	|	|	10.74	118.667	0.00	0.86	7.385	O	|	|	|	|	10.39
113.583	0.00	0.87	7.747	O	|	|	|	|	10.73	118.750	0.00	0.86	7.379	O	|	|	|	|	10.39
113.667	0.00	0.87	7.741	O	|	|	|	|	10.73	118.833	0.00	0.86	7.373	O	|	|	|	|	10.38
113.750	0.00	0.87	7.735	O	|	|	|	|	10.72	118.917	0.00	0.86	7.367	O	|	|	|	|	10.38

119.000	0.00	0.85	7.361	O	|	|	|	|	10.37	124.167	0.00	0.84	6.999	O	|	|	|	|	10.04
119.083	0.00	0.85	7.355	O	|	|	|	|	10.37	124.250	0.00	0.84	6.993	O	|	|	|	|	10.03
119.167	0.00	0.85	7.349	O	|	|	|	|	10.36	124.333	0.00	0.84	6.987	O	|	|	|	|	10.03
119.250	0.00	0.85	7.343	O	|	|	|	|	10.36	124.417	0.00	0.84	6.982	O	|	|	|	|	10.02
119.333	0.00	0.85	7.338	O	|	|	|	|	10.35	124.500	0.00	0.84	6.976	O	|	|	|	|	10.01
119.417	0.00	0.85	7.332	O	|	|	|	|	10.35	124.583	0.00	0.84	6.970	O	|	|	|	|	10.01
119.500	0.00	0.85	7.326	O	|	|	|	|	10.34	124.667	0.00	0.84	6.964	O	|	|	|	|	10.00
119.583	0.00	0.85	7.320	O	|	|	|	|	10.33	124.750	0.00	0.84	6.958	O	|	|	|	|	10.00
119.667	0.00	0.85	7.314	O	|	|	|	|	10.33	124.833	0.00	0.84	6.953	O	|	|	|	|	9.99
119.750	0.00	0.85	7.308	O	|	|	|	|	10.32	124.917	0.00	0.84	6.947	O	|	|	|	|	9.99
119.833	0.00	0.85	7.302	O	|	|	|	|	10.32	125.000	0.00	0.84	6.941	O	|	|	|	|	9.98
119.917	0.00	0.85	7.296	O	|	|	|	|	10.31	125.083	0.00	0.84	6.935	O	|	|	|	|	9.98
120.000	0.00	0.85	7.291	O	|	|	|	|	10.31	125.167	0.00	0.84	6.929	O	|	|	|	|	9.97
120.083	0.00	0.85	7.285	O	|	|	|	|	10.30	125.250	0.00	0.84	6.924	O	|	|	|	|	9.96
120.167	0.00	0.85	7.279	O	|	|	|	|	10.30	125.333	0.00	0.84	6.918	O	|	|	|	|	9.96
120.250	0.00	0.85	7.273	O	|	|	|	|	10.29	125.417	0.00	0.84	6.912	O	|	|	|	|	9.95
120.333	0.00	0.85	7.267	O	|	|	|	|	10.29	125.500	0.00	0.84	6.906	O	|	|	|	|	9.95
120.417	0.00	0.85	7.261	O	|	|	|	|	10.28	125.583	0.00	0.84	6.901	O	|	|	|	|	9.94
120.500	0.00	0.85	7.255	O	|	|	|	|	10.27	125.667	0.00	0.83	6.895	O	|	|	|	|	9.94
120.583	0.00	0.85	7.249	O	|	|	|	|	10.27	125.750	0.00	0.83	6.889	O	|	|	|	|	9.93
120.667	0.00	0.85	7.244	O	|	|	|	|	10.26	125.833	0.00	0.83	6.883	O	|	|	|	|	9.92
120.750	0.00	0.85	7.238	O	|	|	|	|	10.26	125.917	0.00	0.83	6.878	O	|	|	|	|	9.92
120.833	0.00	0.85	7.232	O	|	|	|	|	10.25	126.000	0.00	0.83	6.872	O	|	|	|	|	9.91
120.917	0.00	0.85	7.226	O	|	|	|	|	10.25	126.083	0.00	0.83	6.866	O	|	|	|	|	9.91
121.000	0.00	0.85	7.220	O	|	|	|	|	10.24	126.167	0.00	0.83	6.860	O	|	|	|	|	9.90
121.083	0.00	0.85	7.214	O	|	|	|	|	10.24	126.250	0.00	0.83	6.855	O	|	|	|	|	9.90
121.167	0.00	0.85	7.208	O	|	|	|	|	10.23	126.333	0.00	0.83	6.849	O	|	|	|	|	9.89
121.250	0.00	0.85	7.203	O	|	|	|	|	10.23	126.417	0.00	0.83	6.843	O	|	|	|	|	9.88
121.333	0.00	0.85	7.197	O	|	|	|	|	10.22	126.500	0.00	0.83	6.838	O	|	|	|	|	9.88
121.417	0.00	0.85	7.191	O	|	|	|	|	10.21	126.583	0.00	0.83	6.832	O	|	|	|	|	9.87
121.500	0.00	0.85	7.185	O	|	|	|	|	10.21	126.667	0.00	0.83	6.826	O	|	|	|	|	9.87
121.583	0.00	0.85	7.179	O	|	|	|	|	10.20	126.750	0.00	0.83	6.820	O	|	|	|	|	9.86
121.667	0.00	0.85	7.173	O	|	|	|	|	10.20	126.833	0.00	0.83	6.815	O	|	|	|	|	9.86
121.750	0.00	0.85	7.168	O	|	|	|	|	10.19	126.917	0.00	0.83	6.809	O	|	|	|	|	9.85
121.833	0.00	0.85	7.162	O	|	|	|	|	10.19	127.000	0.00	0.83	6.803	O	|	|	|	|	9.84
121.917	0.00	0.85	7.156	O	|	|	|	|	10.18	127.083	0.00	0.83	6.798	O	|	|	|	|	9.84
122.000	0.00	0.85	7.150	O	|	|	|	|	10.18	127.167	0.00	0.83	6.792	O	|	|	|	|	9.83
122.083	0.00	0.85	7.144	O	|	|	|	|	10.17	127.250	0.00	0.83	6.786	O	|	|	|	|	9.83
122.167	0.00	0.85	7.138	O	|	|	|	|	10.17	127.333	0.00	0.83	6.781	O	|	|	|	|	9.82
122.250	0.00	0.85	7.133	O	|	|	|	|	10.16	127.417	0.00	0.83	6.775	O	|	|	|	|	9.82
122.333	0.00	0.85	7.127	O	|	|	|	|	10.16	127.500	0.00	0.82	6.769	O	|	|	|	|	9.81
122.417	0.00	0.85	7.121	O	|	|	|	|	10.15	127.583	0.00	0.82	6.764	O	|	|	|	|	9.80
122.500	0.00	0.85	7.115	O	|	|	|	|	10.14	127.667	0.00	0.82	6.758	O	|	|	|	|	9.80
122.583	0.00	0.85	7.109	O	|	|	|	|	10.14	127.750	0.00	0.82	6.752	O	|	|	|	|	9.79
122.667	0.00	0.85	7.103	O	|	|	|	|	10.13	127.833	0.00	0.82	6.747	O	|	|	|	|	9.79
122.750	0.00	0.85	7.098	O	|	|	|	|	10.13	127.917	0.00	0.82	6.741	O	|	|	|	|	9.78
122.833	0.00	0.84	7.092	O	|	|	|	|	10.12	128.000	0.00	0.82	6.735	O	|	|	|	|	9.78
122.917	0.00	0.84	7.086	O	|	|	|	|	10.12	128.083	0.00	0.82	6.730	O	|	|	|	|	9.77
123.000	0.00	0.84	7.080	O	|	|	|	|	10.11	128.167	0.00	0.82	6.724	O	|	|	|	|	9.76
123.083	0.00	0.84	7.074	O	|	|	|	|	10.11	128.250	0.00	0.82	6.718	O	|	|	|	|	9.76
123.167	0.00	0.84	7.069	O	|	|	|	|	10.10	128.333	0.00	0.82	6.713	O	|	|	|	|	9.75
123.250	0.00	0.84	7.063	O	|	|	|	|	10.10	128.417	0.00	0.82	6.707	O	|	|	|	|	9.75
123.333	0.00	0.84	7.057	O	|	|	|	|	10.09	128.500	0.00	0.82	6.701	O	|	|	|	|	9.74
123.417	0.00	0.84	7.051	O	|	|	|	|	10.08	128.583	0.00	0.82	6.696	O	|	|	|	|	9.74
123.500	0.00	0.84	7.045	O	|	|	|	|	10.08	128.667	0.00	0.82	6.690	O	|	|	|	|	9.73
123.583	0.00	0.84	7.039	O	|	|	|	|	10.07	128.750	0.00	0.82	6.684	O	|	|	|	|	9.73
123.667	0.00	0.84	7.034	O	|	|	|	|	10.07	128.833	0.00	0.82	6.679	O	|	|	|	|	9.72
123.750	0.00	0.84	7.028	O	|	|	|	|	10.06	128.917	0.00	0.82	6.673	O	|	|	|	|	9.71
123.833	0.00	0.84	7.022	O	|	|	|	|	10.06	129.000	0.00	0.82	6.667	O	|	|	|	|	9.71
123.917	0.00	0.84	7.016	O	|	|	|	|	10.05	129.083	0.00	0.82	6.662	O	|	|	|	|	9.70
124.000	0.00	0.84	7.010	O	|	|	|	|	10.05	129.167	0.00	0.82	6.656	O	|	|	|	|	9.70
124.083	0.00	0.84	7.005	O	|	|	|	|	10.04	129.250	0.00	0.82	6.651	O	|	|	|	|	9.69

129.333	0.00	0.81	6.645	O					9.69	134.500	0.00	0.79	6.303	O					9.34
129.417	0.00	0.81	6.639	O					9.68	134.583	0.00	0.79	6.297	O					9.34
129.500	0.00	0.81	6.634	O					9.67	134.667	0.00	0.79	6.292	O					9.33
129.583	0.00	0.81	6.628	O					9.67	134.750	0.00	0.79	6.287	O					9.33
129.667	0.00	0.81	6.623	O					9.66	134.833	0.00	0.79	6.281	O					9.32
129.750	0.00	0.81	6.617	O					9.66	134.917	0.00	0.79	6.276	O					9.32
129.833	0.00	0.81	6.611	O					9.65	135.000	0.00	0.78	6.270	O					9.31
129.917	0.00	0.81	6.606	O					9.65	135.083	0.00	0.78	6.265	O					9.31
130.000	0.00	0.81	6.600	O					9.64	135.167	0.00	0.78	6.260	O					9.30
130.083	0.00	0.81	6.595	O					9.64	135.250	0.00	0.78	6.254	O					9.30
130.167	0.00	0.81	6.589	O					9.63	135.333	0.00	0.78	6.249	O					9.29
130.250	0.00	0.81	6.583	O					9.62	135.417	0.00	0.78	6.243	O					9.29
130.333	0.00	0.81	6.578	O					9.62	135.500	0.00	0.78	6.238	O					9.28
130.417	0.00	0.81	6.572	O					9.61	135.583	0.00	0.78	6.233	O					9.27
130.500	0.00	0.81	6.567	O					9.61	135.667	0.00	0.78	6.227	O					9.27
130.583	0.00	0.81	6.561	O					9.60	135.750	0.00	0.78	6.222	O					9.26
130.667	0.00	0.81	6.556	O					9.60	135.833	0.00	0.78	6.216	O					9.26
130.750	0.00	0.81	6.550	O					9.59	135.917	0.00	0.78	6.211	O					9.25
130.833	0.00	0.81	6.544	O					9.59	136.000	0.00	0.78	6.206	O					9.25
130.917	0.00	0.81	6.539	O					9.58	136.083	0.00	0.78	6.200	O					9.24
131.000	0.00	0.81	6.533	O					9.57	136.167	0.00	0.78	6.195	O					9.24
131.083	0.00	0.81	6.528	O					9.57	136.250	0.00	0.78	6.190	O					9.23
131.167	0.00	0.81	6.522	O					9.56	136.333	0.00	0.78	6.184	O					9.23
131.250	0.00	0.80	6.517	O					9.56	136.417	0.00	0.78	6.179	O					9.22
131.333	0.00	0.80	6.511	O					9.55	136.500	0.00	0.78	6.174	O					9.22
131.417	0.00	0.80	6.506	O					9.55	136.583	0.00	0.78	6.168	O					9.21
131.500	0.00	0.80	6.500	O					9.54	136.667	0.00	0.78	6.163	O					9.21
131.583	0.00	0.80	6.495	O					9.54	136.750	0.00	0.78	6.158	O					9.20
131.667	0.00	0.80	6.489	O					9.53	136.833	0.00	0.78	6.152	O					9.19
131.750	0.00	0.80	6.484	O					9.52	136.917	0.00	0.78	6.147	O					9.19
131.833	0.00	0.80	6.478	O					9.52	137.000	0.00	0.77	6.142	O					9.18
131.917	0.00	0.80	6.472	O					9.51	137.083	0.00	0.77	6.136	O					9.18
132.000	0.00	0.80	6.467	O					9.51	137.167	0.00	0.77	6.131	O					9.17
132.083	0.00	0.80	6.461	O					9.50	137.250	0.00	0.77	6.126	O					9.17
132.167	0.00	0.80	6.456	O					9.50	137.333	0.00	0.77	6.120	O					9.16
132.250	0.00	0.80	6.450	O					9.49	137.417	0.00	0.77	6.115	O					9.16
132.333	0.00	0.80	6.445	O					9.49	137.500	0.00	0.77	6.110	O					9.15
132.417	0.00	0.80	6.439	O					9.48	137.583	0.00	0.77	6.104	O					9.15
132.500	0.00	0.80	6.434	O					9.48	137.667	0.00	0.77	6.099	O					9.14
132.583	0.00	0.80	6.428	O					9.47	137.750	0.00	0.77	6.094	O					9.14
132.667	0.00	0.80	6.423	O					9.46	137.833	0.00	0.77	6.088	O					9.13
132.750	0.00	0.80	6.417	O					9.46	137.917	0.00	0.77	6.083	O					9.13
132.833	0.00	0.80	6.412	O					9.45	138.000	0.00	0.77	6.078	O					9.12
132.917	0.00	0.80	6.406	O					9.45	138.083	0.00	0.77	6.072	O					9.12
133.000	0.00	0.80	6.401	O					9.44	138.167	0.00	0.77	6.067	O					9.11
133.083	0.00	0.79	6.396	O					9.44	138.250	0.00	0.77	6.062	O					9.10
133.167	0.00	0.79	6.390	O					9.43	138.333	0.00	0.77	6.057	O					9.10
133.250	0.00	0.79	6.385	O					9.43	138.417	0.00	0.77	6.051	O					9.09
133.333	0.00	0.79	6.379	O					9.42	138.500	0.00	0.77	6.046	O					9.09
133.417	0.00	0.79	6.374	O					9.42	138.583	0.00	0.77	6.041	O					9.08
133.500	0.00	0.79	6.368	O					9.41	138.667	0.00	0.77	6.035	O					9.08
133.583	0.00	0.79	6.363	O					9.40	138.750	0.00	0.77	6.030	O					9.07
133.667	0.00	0.79	6.357	O					9.40	138.833	0.00	0.77	6.025	O					9.07
133.750	0.00	0.79	6.352	O					9.39	138.917	0.00	0.76	6.020	O					9.06
133.833	0.00	0.79	6.346	O					9.39	139.000	0.00	0.76	6.014	O					9.06
133.917	0.00	0.79	6.341	O					9.38	139.083	0.00	0.76	6.009	O					9.05
134.000	0.00	0.79	6.335	O					9.38	139.167	0.00	0.76	6.004	O					9.05
134.083	0.00	0.79	6.330	O					9.37	139.250	0.00	0.76	5.999	O					9.04
134.167	0.00	0.79	6.325	O					9.37	139.333	0.00	0.76	5.993	O					9.04
134.250	0.00	0.79	6.319	O					9.36	139.417	0.00	0.76	5.988	O					9.03
134.333	0.00	0.79	6.314	O					9.36	139.500	0.00	0.76	5.983	O					9.03
134.417	0.00	0.79	6.308	O					9.35	139.583	0.00	0.76	5.978	O					9.02

139.667	0.00	0.76	5.972	O	|	|	|	|	9.02	144.833	0.00	0.74	5.651	O	|	|	|	|	8.67
139.750	0.00	0.76	5.967	O	|	|	|	|	9.01	144.917	0.00	0.74	5.646	O	|	|	|	|	8.67
139.833	0.00	0.76	5.962	O	|	|	|	|	9.00	145.000	0.00	0.74	5.641	O	|	|	|	|	8.66
139.917	0.00	0.76	5.957	O	|	|	|	|	9.00	145.083	0.00	0.74	5.636	O	|	|	|	|	8.65
140.000	0.00	0.76	5.951	O	|	|	|	|	8.99	145.167	0.00	0.74	5.631	O	|	|	|	|	8.65
140.083	0.00	0.76	5.946	O	|	|	|	|	8.99	145.250	0.00	0.74	5.626	O	|	|	|	|	8.64
140.167	0.00	0.76	5.941	O	|	|	|	|	8.98	145.333	0.00	0.74	5.620	O	|	|	|	|	8.64
140.250	0.00	0.76	5.936	O	|	|	|	|	8.98	145.417	0.00	0.74	5.615	O	|	|	|	|	8.63
140.333	0.00	0.76	5.930	O	|	|	|	|	8.97	145.500	0.00	0.74	5.610	O	|	|	|	|	8.63
140.417	0.00	0.76	5.925	O	|	|	|	|	8.97	145.583	0.00	0.74	5.605	O	|	|	|	|	8.62
140.500	0.00	0.76	5.920	O	|	|	|	|	8.96	145.667	0.00	0.74	5.600	O	|	|	|	|	8.62
140.583	0.00	0.76	5.915	O	|	|	|	|	8.95	145.750	0.00	0.74	5.595	O	|	|	|	|	8.61
140.667	0.00	0.76	5.910	O	|	|	|	|	8.95	145.833	0.00	0.74	5.590	O	|	|	|	|	8.60
140.750	0.00	0.76	5.904	O	|	|	|	|	8.94	145.917	0.00	0.74	5.585	O	|	|	|	|	8.60
140.833	0.00	0.76	5.899	O	|	|	|	|	8.94	146.000	0.00	0.74	5.580	O	|	|	|	|	8.59
140.917	0.00	0.76	5.894	O	|	|	|	|	8.93	146.083	0.00	0.74	5.574	O	|	|	|	|	8.59
141.000	0.00	0.76	5.889	O	|	|	|	|	8.93	146.167	0.00	0.74	5.569	O	|	|	|	|	8.58
141.083	0.00	0.76	5.883	O	|	|	|	|	8.92	146.250	0.00	0.74	5.564	O	|	|	|	|	8.58
141.167	0.00	0.76	5.878	O	|	|	|	|	8.92	146.333	0.00	0.74	5.559	O	|	|	|	|	8.57
141.250	0.00	0.76	5.873	O	|	|	|	|	8.91	146.417	0.00	0.74	5.554	O	|	|	|	|	8.57
141.333	0.00	0.76	5.868	O	|	|	|	|	8.90	146.500	0.00	0.74	5.549	O	|	|	|	|	8.56
141.417	0.00	0.75	5.863	O	|	|	|	|	8.90	146.583	0.00	0.74	5.544	O	|	|	|	|	8.56
141.500	0.00	0.75	5.857	O	|	|	|	|	8.89	146.667	0.00	0.74	5.539	O	|	|	|	|	8.55
141.583	0.00	0.75	5.852	O	|	|	|	|	8.89	146.750	0.00	0.74	5.534	O	|	|	|	|	8.54
141.667	0.00	0.75	5.847	O	|	|	|	|	8.88	146.833	0.00	0.74	5.529	O	|	|	|	|	8.54
141.750	0.00	0.75	5.842	O	|	|	|	|	8.88	146.917	0.00	0.74	5.524	O	|	|	|	|	8.53
141.833	0.00	0.75	5.837	O	|	|	|	|	8.87	147.000	0.00	0.74	5.519	O	|	|	|	|	8.53
141.917	0.00	0.75	5.831	O	|	|	|	|	8.86	147.083	0.00	0.74	5.514	O	|	|	|	|	8.52
142.000	0.00	0.75	5.826	O	|	|	|	|	8.86	147.167	0.00	0.74	5.508	O	|	|	|	|	8.52
142.083	0.00	0.75	5.821	O	|	|	|	|	8.85	147.250	0.00	0.74	5.503	O	|	|	|	|	8.51
142.167	0.00	0.75	5.816	O	|	|	|	|	8.85	147.333	0.00	0.74	5.498	O	|	|	|	|	8.51
142.250	0.00	0.75	5.811	O	|	|	|	|	8.84	147.417	0.00	0.74	5.493	O	|	|	|	|	8.50
142.333	0.00	0.75	5.806	O	|	|	|	|	8.84	147.500	0.00	0.73	5.488	O	|	|	|	|	8.50
142.417	0.00	0.75	5.800	O	|	|	|	|	8.83	147.583	0.00	0.73	5.483	O	|	|	|	|	8.49
142.500	0.00	0.75	5.795	O	|	|	|	|	8.83	147.667	0.00	0.73	5.478	O	|	|	|	|	8.48
142.583	0.00	0.75	5.790	O	|	|	|	|	8.82	147.750	0.00	0.73	5.473	O	|	|	|	|	8.48
142.667	0.00	0.75	5.785	O	|	|	|	|	8.81	147.833	0.00	0.73	5.468	O	|	|	|	|	8.47
142.750	0.00	0.75	5.780	O	|	|	|	|	8.81	147.917	0.00	0.73	5.463	O	|	|	|	|	8.47
142.833	0.00	0.75	5.775	O	|	|	|	|	8.80	148.000	0.00	0.73	5.458	O	|	|	|	|	8.46
142.917	0.00	0.75	5.769	O	|	|	|	|	8.80	148.083	0.00	0.73	5.453	O	|	|	|	|	8.46
143.000	0.00	0.75	5.764	O	|	|	|	|	8.79	148.167	0.00	0.73	5.448	O	|	|	|	|	8.45
143.083	0.00	0.75	5.759	O	|	|	|	|	8.79	148.250	0.00	0.73	5.443	O	|	|	|	|	8.45
143.167	0.00	0.75	5.754	O	|	|	|	|	8.78	148.333	0.00	0.73	5.438	O	|	|	|	|	8.44
143.250	0.00	0.75	5.749	O	|	|	|	|	8.78	148.417	0.00	0.73	5.433	O	|	|	|	|	8.44
143.333	0.00	0.75	5.744	O	|	|	|	|	8.77	148.500	0.00	0.73	5.428	O	|	|	|	|	8.43
143.417	0.00	0.75	5.738	O	|	|	|	|	8.76	148.583	0.00	0.73	5.423	O	|	|	|	|	8.42
143.500	0.00	0.75	5.733	O	|	|	|	|	8.76	148.667	0.00	0.73	5.418	O	|	|	|	|	8.42
143.583	0.00	0.75	5.728	O	|	|	|	|	8.75	148.750	0.00	0.73	5.413	O	|	|	|	|	8.41
143.667	0.00	0.75	5.723	O	|	|	|	|	8.75	148.833	0.00	0.73	5.407	O	|	|	|	|	8.41
143.750	0.00	0.75	5.718	O	|	|	|	|	8.74	148.917	0.00	0.73	5.402	O	|	|	|	|	8.40
143.833	0.00	0.75	5.713	O	|	|	|	|	8.74	149.000	0.00	0.73	5.397	O	|	|	|	|	8.40
143.917	0.00	0.75	5.708	O	|	|	|	|	8.73	149.083	0.00	0.73	5.392	O	|	|	|	|	8.39
144.000	0.00	0.75	5.702	O	|	|	|	|	8.73	149.167	0.00	0.73	5.387	O	|	|	|	|	8.39
144.083	0.00	0.75	5.697	O	|	|	|	|	8.72	149.250	0.00	0.73	5.382	O	|	|	|	|	8.38
144.167	0.00	0.75	5.692	O	|	|	|	|	8.71	149.333	0.00	0.73	5.377	O	|	|	|	|	8.38
144.250	0.00	0.75	5.687	O	|	|	|	|	8.71	149.417	0.00	0.73	5.372	O	|	|	|	|	8.37
144.333	0.00	0.75	5.682	O	|	|	|	|	8.70	149.500	0.00	0.73	5.367	O	|	|	|	|	8.37
144.417	0.00	0.74	5.677	O	|	|	|	|	8.70	149.583	0.00	0.73	5.362	O	|	|	|	|	8.36
144.500	0.00	0.74	5.672	O	|	|	|	|	8.69	149.667	0.00	0.73	5.357	O	|	|	|	|	8.35
144.583	0.00	0.74	5.666	O	|	|	|	|	8.69	149.750	0.00	0.73	5.352	O	|	|	|	|	8.35
144.667	0.00	0.74	5.661	O	|	|	|	|	8.68	149.833	0.00	0.73	5.347	O	|	|	|	|	8.34
144.750	0.00	0.74	5.656	O	|	|	|	|	8.68	149.917	0.00	0.73	5.342	O	|	|	|	|	8.34

150.000	0.00	0.73	5.337	O					8.33	155.167	0.00	0.71	5.030	O					8.00
150.083	0.00	0.73	5.332	O					8.33	155.250	0.00	0.71	5.026	O					8.00
150.167	0.00	0.73	5.327	O					8.32	155.333	0.00	0.71	5.021	O					7.99
150.250	0.00	0.73	5.322	O					8.32	155.417	0.00	0.71	5.016	O					7.99
150.333	0.00	0.73	5.317	O					8.31	155.500	0.00	0.71	5.011	O					7.98
150.417	0.00	0.73	5.312	O					8.31	155.583	0.00	0.71	5.006	O					7.97
150.500	0.00	0.73	5.307	O					8.30	155.667	0.00	0.71	5.001	O					7.97
150.583	0.00	0.72	5.302	O					8.30	155.750	0.00	0.71	4.996	O					7.96
150.667	0.00	0.72	5.297	O					8.29	155.833	0.00	0.71	4.991	O					7.96
150.750	0.00	0.72	5.292	O					8.28	155.917	0.00	0.71	4.987	O					7.95
150.833	0.00	0.72	5.287	O					8.28	156.000	0.00	0.71	4.982	O					7.95
150.917	0.00	0.72	5.282	O					8.27	156.083	0.00	0.71	4.977	O					7.94
151.000	0.00	0.72	5.277	O					8.27	156.167	0.00	0.71	4.972	O					7.93
151.083	0.00	0.72	5.272	O					8.26	156.250	0.00	0.71	4.967	O					7.93
151.167	0.00	0.72	5.267	O					8.26	156.333	0.00	0.71	4.962	O					7.92
151.250	0.00	0.72	5.262	O					8.25	156.417	0.00	0.71	4.957	O					7.92
151.333	0.00	0.72	5.257	O					8.25	156.500	0.00	0.71	4.952	O					7.91
151.417	0.00	0.72	5.252	O					8.24	156.583	0.00	0.71	4.948	O					7.91
151.500	0.00	0.72	5.247	O					8.24	156.667	0.00	0.71	4.943	O					7.90
151.583	0.00	0.72	5.242	O					8.23	156.750	0.00	0.71	4.938	O					7.89
151.667	0.00	0.72	5.238	O					8.23	156.833	0.00	0.71	4.933	O					7.89
151.750	0.00	0.72	5.233	O					8.22	156.917	0.00	0.71	4.928	O					7.88
151.833	0.00	0.72	5.228	O					8.21	157.000	0.00	0.71	4.923	O					7.88
151.917	0.00	0.72	5.223	O					8.21	157.083	0.00	0.70	4.918	O					7.87
152.000	0.00	0.72	5.218	O					8.20	157.167	0.00	0.70	4.914	O					7.87
152.083	0.00	0.72	5.213	O					8.20	157.250	0.00	0.70	4.909	O					7.86
152.167	0.00	0.72	5.208	O					8.19	157.333	0.00	0.70	4.904	O					7.86
152.250	0.00	0.72	5.203	O					8.19	157.417	0.00	0.70	4.899	O					7.85
152.333	0.00	0.72	5.198	O					8.18	157.500	0.00	0.70	4.894	O					7.84
152.417	0.00	0.72	5.193	O					8.18	157.583	0.00	0.70	4.889	O					7.84
152.500	0.00	0.72	5.188	O					8.17	157.667	0.00	0.70	4.884	O					7.83
152.583	0.00	0.72	5.183	O					8.17	157.750	0.00	0.70	4.880	O					7.83
152.667	0.00	0.72	5.178	O					8.16	157.833	0.00	0.70	4.875	O					7.82
152.750	0.00	0.72	5.173	O					8.16	157.917	0.00	0.70	4.870	O					7.82
152.833	0.00	0.72	5.168	O					8.15	158.000	0.00	0.70	4.865	O					7.81
152.917	0.00	0.72	5.163	O					8.15	158.083	0.00	0.70	4.860	O					7.80
153.000	0.00	0.72	5.158	O					8.14	158.167	0.00	0.70	4.855	O					7.80
153.083	0.00	0.72	5.153	O					8.13	158.250	0.00	0.70	4.851	O					7.79
153.167	0.00	0.72	5.148	O					8.13	158.333	0.00	0.70	4.846	O					7.79
153.250	0.00	0.72	5.143	O					8.12	158.417	0.00	0.70	4.841	O					7.78
153.333	0.00	0.72	5.139	O					8.12	158.500	0.00	0.70	4.836	O					7.78
153.417	0.00	0.72	5.134	O					8.11	158.583	0.00	0.70	4.831	O					7.77
153.500	0.00	0.72	5.129	O					8.11	158.667	0.00	0.70	4.826	O					7.76
153.583	0.00	0.72	5.124	O					8.10	158.750	0.00	0.70	4.822	O					7.76
153.667	0.00	0.71	5.119	O					8.10	158.833	0.00	0.70	4.817	O					7.75
153.750	0.00	0.71	5.114	O					8.09	158.917	0.00	0.70	4.812	O					7.75
153.833	0.00	0.71	5.109	O					8.09	159.000	0.00	0.70	4.807	O					7.74
153.917	0.00	0.71	5.104	O					8.08	159.083	0.00	0.70	4.802	O					7.74
154.000	0.00	0.71	5.099	O					8.08	159.167	0.00	0.70	4.798	O					7.73
154.083	0.00	0.71	5.094	O					8.07	159.250	0.00	0.70	4.793	O					7.73
154.167	0.00	0.71	5.089	O					8.07	159.333	0.00	0.70	4.788	O					7.72
154.250	0.00	0.71	5.084	O					8.06	159.417	0.00	0.70	4.783	O					7.71
154.333	0.00	0.71	5.079	O					8.06	159.500	0.00	0.70	4.778	O					7.71
154.417	0.00	0.71	5.075	O					8.05	159.583	0.00	0.70	4.773	O					7.70
154.500	0.00	0.71	5.070	O					8.04	159.667	0.00	0.70	4.769	O					7.70
154.583	0.00	0.71	5.065	O					8.04	159.750	0.00	0.70	4.764	O					7.69
154.667	0.00	0.71	5.060	O					8.03	159.833	0.00	0.70	4.759	O					7.69
154.750	0.00	0.71	5.055	O					8.03	159.917	0.00	0.70	4.754	O					7.68
154.833	0.00	0.71	5.050	O					8.02	160.000	0.00	0.70	4.749	O					7.67
154.917	0.00	0.71	5.045	O					8.02	160.083	0.00	0.70	4.745	O					7.67
155.000	0.00	0.71	5.040	O					8.01	160.167	0.00	0.70	4.740	O					7.66
155.083	0.00	0.71	5.035	O					8.01	160.250	0.00	0.70	4.735	O					7.66

160.333	0.00	0.70	4.730	O	|	|	|	|	7.65	165.500	0.00	0.68	4.436	O	|	|	|	|	7.31
160.417	0.00	0.70	4.725	O	|	|	|	|	7.65	165.583	0.00	0.68	4.431	O	|	|	|	|	7.30
160.500	0.00	0.70	4.721	O	|	|	|	|	7.64	165.667	0.00	0.68	4.427	O	|	|	|	|	7.30
160.583	0.00	0.70	4.716	O	|	|	|	|	7.64	165.750	0.00	0.68	4.422	O	|	|	|	|	7.29
160.667	0.00	0.70	4.711	O	|	|	|	|	7.63	165.833	0.00	0.68	4.417	O	|	|	|	|	7.29
160.750	0.00	0.69	4.706	O	|	|	|	|	7.62	165.917	0.00	0.68	4.413	O	|	|	|	|	7.28
160.833	0.00	0.69	4.702	O	|	|	|	|	7.62	166.000	0.00	0.68	4.408	O	|	|	|	|	7.28
160.917	0.00	0.69	4.697	O	|	|	|	|	7.61	166.083	0.00	0.68	4.403	O	|	|	|	|	7.27
161.000	0.00	0.69	4.692	O	|	|	|	|	7.61	166.167	0.00	0.68	4.398	O	|	|	|	|	7.27
161.083	0.00	0.69	4.687	O	|	|	|	|	7.60	166.250	0.00	0.68	4.394	O	|	|	|	|	7.26
161.167	0.00	0.69	4.682	O	|	|	|	|	7.60	166.333	0.00	0.68	4.389	O	|	|	|	|	7.25
161.250	0.00	0.69	4.678	O	|	|	|	|	7.59	166.417	0.00	0.68	4.384	O	|	|	|	|	7.25
161.333	0.00	0.69	4.673	O	|	|	|	|	7.59	166.500	0.00	0.68	4.380	O	|	|	|	|	7.24
161.417	0.00	0.69	4.668	O	|	|	|	|	7.58	166.583	0.00	0.68	4.375	O	|	|	|	|	7.24
161.500	0.00	0.69	4.663	O	|	|	|	|	7.57	166.667	0.00	0.68	4.370	O	|	|	|	|	7.23
161.583	0.00	0.69	4.659	O	|	|	|	|	7.57	166.750	0.00	0.68	4.366	O	|	|	|	|	7.23
161.667	0.00	0.69	4.654	O	|	|	|	|	7.56	166.833	0.00	0.68	4.361	O	|	|	|	|	7.22
161.750	0.00	0.69	4.649	O	|	|	|	|	7.56	166.917	0.00	0.68	4.356	O	|	|	|	|	7.22
161.833	0.00	0.69	4.644	O	|	|	|	|	7.55	167.000	0.00	0.68	4.352	O	|	|	|	|	7.21
161.917	0.00	0.69	4.639	O	|	|	|	|	7.55	167.083	0.00	0.68	4.347	O	|	|	|	|	7.21
162.000	0.00	0.69	4.635	O	|	|	|	|	7.54	167.167	0.00	0.68	4.342	O	|	|	|	|	7.20
162.083	0.00	0.69	4.630	O	|	|	|	|	7.54	167.250	0.00	0.68	4.338	O	|	|	|	|	7.19
162.167	0.00	0.69	4.625	O	|	|	|	|	7.53	167.333	0.00	0.68	4.333	O	|	|	|	|	7.19
162.250	0.00	0.69	4.620	O	|	|	|	|	7.52	167.417	0.00	0.68	4.328	O	|	|	|	|	7.18
162.333	0.00	0.69	4.616	O	|	|	|	|	7.52	167.500	0.00	0.68	4.324	O	|	|	|	|	7.18
162.417	0.00	0.69	4.611	O	|	|	|	|	7.51	167.583	0.00	0.68	4.319	O	|	|	|	|	7.17
162.500	0.00	0.69	4.606	O	|	|	|	|	7.51	167.667	0.00	0.68	4.314	O	|	|	|	|	7.17
162.583	0.00	0.69	4.601	O	|	|	|	|	7.50	167.750	0.00	0.68	4.310	O	|	|	|	|	7.16
162.667	0.00	0.69	4.597	O	|	|	|	|	7.50	167.833	0.00	0.68	4.305	O	|	|	|	|	7.16
162.750	0.00	0.69	4.592	O	|	|	|	|	7.49	167.917	0.00	0.68	4.300	O	|	|	|	|	7.15
162.833	0.00	0.69	4.587	O	|	|	|	|	7.49	168.000	0.00	0.68	4.296	O	|	|	|	|	7.15
162.917	0.00	0.69	4.582	O	|	|	|	|	7.48	168.083	0.00	0.68	4.291	O	|	|	|	|	7.14
163.000	0.00	0.69	4.578	O	|	|	|	|	7.47	168.167	0.00	0.68	4.286	O	|	|	|	|	7.13
163.083	0.00	0.69	4.573	O	|	|	|	|	7.47	168.250	0.00	0.68	4.282	O	|	|	|	|	7.13
163.167	0.00	0.69	4.568	O	|	|	|	|	7.46	168.333	0.00	0.67	4.277	O	|	|	|	|	7.12
163.250	0.00	0.69	4.563	O	|	|	|	|	7.46	168.417	0.00	0.67	4.272	O	|	|	|	|	7.12
163.333	0.00	0.69	4.559	O	|	|	|	|	7.45	168.500	0.00	0.67	4.268	O	|	|	|	|	7.11
163.417	0.00	0.69	4.554	O	|	|	|	|	7.45	168.583	0.00	0.67	4.263	O	|	|	|	|	7.11
163.500	0.00	0.69	4.549	O	|	|	|	|	7.44	168.667	0.00	0.67	4.258	O	|	|	|	|	7.10
163.583	0.00	0.69	4.544	O	|	|	|	|	7.44	168.750	0.00	0.67	4.254	O	|	|	|	|	7.10
163.667	0.00	0.69	4.540	O	|	|	|	|	7.43	168.833	0.00	0.67	4.249	O	|	|	|	|	7.09
163.750	0.00	0.69	4.535	O	|	|	|	|	7.42	168.917	0.00	0.67	4.245	O	|	|	|	|	7.09
163.833	0.00	0.69	4.530	O	|	|	|	|	7.42	169.000	0.00	0.67	4.240	O	|	|	|	|	7.08
163.917	0.00	0.69	4.526	O	|	|	|	|	7.41	169.083	0.00	0.67	4.235	O	|	|	|	|	7.08
164.000	0.00	0.69	4.521	O	|	|	|	|	7.41	169.167	0.00	0.67	4.231	O	|	|	|	|	7.07
164.083	0.00	0.69	4.516	O	|	|	|	|	7.40	169.250	0.00	0.67	4.226	O	|	|	|	|	7.06
164.167	0.00	0.69	4.511	O	|	|	|	|	7.40	169.333	0.00	0.67	4.221	O	|	|	|	|	7.06
164.250	0.00	0.69	4.507	O	|	|	|	|	7.39	169.417	0.00	0.67	4.217	O	|	|	|	|	7.05
164.333	0.00	0.69	4.502	O	|	|	|	|	7.39	169.500	0.00	0.67	4.212	O	|	|	|	|	7.05
164.417	0.00	0.69	4.497	O	|	|	|	|	7.38	169.583	0.00	0.67	4.208	O	|	|	|	|	7.04
164.500	0.00	0.69	4.492	O	|	|	|	|	7.38	169.667	0.00	0.67	4.203	O	|	|	|	|	7.04
164.583	0.00	0.68	4.488	O	|	|	|	|	7.37	169.750	0.00	0.67	4.198	O	|	|	|	|	7.03
164.667	0.00	0.68	4.483	O	|	|	|	|	7.36	169.833	0.00	0.67	4.194	O	|	|	|	|	7.03
164.750	0.00	0.68	4.478	O	|	|	|	|	7.36	169.917	0.00	0.67	4.189	O	|	|	|	|	7.02
164.833	0.00	0.68	4.474	O	|	|	|	|	7.35	170.000	0.00	0.67	4.184	O	|	|	|	|	7.02
164.917	0.00	0.68	4.469	O	|	|	|	|	7.35	170.083	0.00	0.67	4.180	O	|	|	|	|	7.01
165.000	0.00	0.68	4.464	O	|	|	|	|	7.34	170.167	0.00	0.67	4.175	O	|	|	|	|	7.00
165.083	0.00	0.68	4.459	O	|	|	|	|	7.34	170.250	0.00	0.67	4.171	O	|	|	|	|	7.00
165.167	0.00	0.68	4.455	O	|	|	|	|	7.33	170.333	0.00	0.67	4.166	O	|	|	|	|	6.99
165.250	0.00	0.68	4.450	O	|	|	|	|	7.33	170.417	0.00	0.67	4.161	O	|	|	|	|	6.99
165.333	0.00	0.68	4.445	O	|	|	|	|	7.32	170.500	0.00	0.67	4.157	O	|	|	|	|	6.98
165.417	0.00	0.68	4.441	O	|	|	|	|	7.31	170.583	0.00	0.67	4.152	O	|	|	|	|	6.98

170.667	0.00	0.67	4.148	O	|	|	|	|	6.97	175.833	0.00	0.65	3.866	O	|	|	|	|	6.61
170.750	0.00	0.67	4.143	O	|	|	|	|	6.96	175.917	0.00	0.65	3.861	O	|	|	|	|	6.61
170.833	0.00	0.67	4.138	O	|	|	|	|	6.96	176.000	0.00	0.65	3.857	O	|	|	|	|	6.60
170.917	0.00	0.67	4.134	O	|	|	|	|	6.95	176.083	0.00	0.65	3.852	O	|	|	|	|	6.59
171.000	0.00	0.67	4.129	O	|	|	|	|	6.95	176.167	0.00	0.65	3.848	O	|	|	|	|	6.59
171.083	0.00	0.67	4.125	O	|	|	|	|	6.94	176.250	0.00	0.65	3.844	O	|	|	|	|	6.58
171.167	0.00	0.67	4.120	O	|	|	|	|	6.94	176.333	0.00	0.65	3.839	O	|	|	|	|	6.58
171.250	0.00	0.67	4.115	O	|	|	|	|	6.93	176.417	0.00	0.65	3.835	O	|	|	|	|	6.57
171.333	0.00	0.67	4.111	O	|	|	|	|	6.92	176.500	0.00	0.65	3.830	O	|	|	|	|	6.57
171.417	0.00	0.67	4.106	O	|	|	|	|	6.92	176.583	0.00	0.65	3.826	O	|	|	|	|	6.56
171.500	0.00	0.67	4.102	O	|	|	|	|	6.91	176.667	0.00	0.65	3.821	O	|	|	|	|	6.55
171.583	0.00	0.67	4.097	O	|	|	|	|	6.91	176.750	0.00	0.65	3.817	O	|	|	|	|	6.55
171.667	0.00	0.66	4.092	O	|	|	|	|	6.90	176.833	0.00	0.65	3.812	O	|	|	|	|	6.54
171.750	0.00	0.66	4.088	O	|	|	|	|	6.89	176.917	0.00	0.65	3.808	O	|	|	|	|	6.54
171.833	0.00	0.66	4.083	O	|	|	|	|	6.89	177.000	0.00	0.65	3.803	O	|	|	|	|	6.53
171.917	0.00	0.66	4.079	O	|	|	|	|	6.88	177.083	0.00	0.65	3.799	O	|	|	|	|	6.53
172.000	0.00	0.66	4.074	O	|	|	|	|	6.88	177.167	0.00	0.65	3.794	O	|	|	|	|	6.52
172.083	0.00	0.66	4.070	O	|	|	|	|	6.87	177.250	0.00	0.65	3.790	O	|	|	|	|	6.52
172.167	0.00	0.66	4.065	O	|	|	|	|	6.87	177.333	0.00	0.65	3.786	O	|	|	|	|	6.51
172.250	0.00	0.66	4.060	O	|	|	|	|	6.86	177.417	0.00	0.65	3.781	O	|	|	|	|	6.50
172.333	0.00	0.66	4.056	O	|	|	|	|	6.85	177.500	0.00	0.64	3.777	O	|	|	|	|	6.50
172.417	0.00	0.66	4.051	O	|	|	|	|	6.85	177.583	0.00	0.64	3.772	O	|	|	|	|	6.49
172.500	0.00	0.66	4.047	O	|	|	|	|	6.84	177.667	0.00	0.64	3.768	O	|	|	|	|	6.49
172.583	0.00	0.66	4.042	O	|	|	|	|	6.84	177.750	0.00	0.64	3.763	O	|	|	|	|	6.48
172.667	0.00	0.66	4.038	O	|	|	|	|	6.83	177.833	0.00	0.64	3.759	O	|	|	|	|	6.48
172.750	0.00	0.66	4.033	O	|	|	|	|	6.82	177.917	0.00	0.64	3.754	O	|	|	|	|	6.47
172.833	0.00	0.66	4.028	O	|	|	|	|	6.82	178.000	0.00	0.64	3.750	O	|	|	|	|	6.46
172.917	0.00	0.66	4.024	O	|	|	|	|	6.81	178.083	0.00	0.64	3.746	O	|	|	|	|	6.46
173.000	0.00	0.66	4.019	O	|	|	|	|	6.81	178.167	0.00	0.64	3.741	O	|	|	|	|	6.45
173.083	0.00	0.66	4.015	O	|	|	|	|	6.80	178.250	0.00	0.64	3.737	O	|	|	|	|	6.45
173.167	0.00	0.66	4.010	O	|	|	|	|	6.80	178.333	0.00	0.64	3.732	O	|	|	|	|	6.44
173.250	0.00	0.66	4.006	O	|	|	|	|	6.79	178.417	0.00	0.64	3.728	O	|	|	|	|	6.44
173.333	0.00	0.66	4.001	O	|	|	|	|	6.78	178.500	0.00	0.64	3.724	O	|	|	|	|	6.43
173.417	0.00	0.66	3.997	O	|	|	|	|	6.78	178.583	0.00	0.64	3.719	O	|	|	|	|	6.43
173.500	0.00	0.66	3.992	O	|	|	|	|	6.77	178.667	0.00	0.64	3.715	O	|	|	|	|	6.42
173.583	0.00	0.66	3.988	O	|	|	|	|	6.77	178.750	0.00	0.64	3.710	O	|	|	|	|	6.41
173.667	0.00	0.66	3.983	O	|	|	|	|	6.76	178.833	0.00	0.64	3.706	O	|	|	|	|	6.41
173.750	0.00	0.66	3.979	O	|	|	|	|	6.76	178.917	0.00	0.64	3.701	O	|	|	|	|	6.40
173.833	0.00	0.66	3.974	O	|	|	|	|	6.75	179.000	0.00	0.64	3.697	O	|	|	|	|	6.40
173.917	0.00	0.66	3.969	O	|	|	|	|	6.74	179.083	0.00	0.64	3.693	O	|	|	|	|	6.39
174.000	0.00	0.66	3.965	O	|	|	|	|	6.74	179.167	0.00	0.64	3.688	O	|	|	|	|	6.39
174.083	0.00	0.66	3.960	O	|	|	|	|	6.73	179.250	0.00	0.64	3.684	O	|	|	|	|	6.38
174.167	0.00	0.66	3.956	O	|	|	|	|	6.73	179.333	0.00	0.64	3.679	O	|	|	|	|	6.37
174.250	0.00	0.66	3.951	O	|	|	|	|	6.72	179.417	0.00	0.64	3.675	O	|	|	|	|	6.37
174.333	0.00	0.66	3.947	O	|	|	|	|	6.71	179.500	0.00	0.64	3.671	O	|	|	|	|	6.36
174.417	0.00	0.66	3.942	O	|	|	|	|	6.71	179.583	0.00	0.64	3.666	O	|	|	|	|	6.36
174.500	0.00	0.66	3.938	O	|	|	|	|	6.70	179.667	0.00	0.64	3.662	O	|	|	|	|	6.35
174.583	0.00	0.65	3.933	O	|	|	|	|	6.70	179.750	0.00	0.64	3.657	O	|	|	|	|	6.35
174.667	0.00	0.65	3.929	O	|	|	|	|	6.69	179.833	0.00	0.64	3.653	O	|	|	|	|	6.34
174.750	0.00	0.65	3.924	O	|	|	|	|	6.69	179.917	0.00	0.64	3.649	O	|	|	|	|	6.34
174.833	0.00	0.65	3.920	O	|	|	|	|	6.68	180.000	0.00	0.64	3.644	O	|	|	|	|	6.33
174.917	0.00	0.65	3.915	O	|	|	|	|	6.67	180.083	0.00	0.64	3.640	O	|	|	|	|	6.32
175.000	0.00	0.65	3.911	O	|	|	|	|	6.67	180.167	0.00	0.64	3.636	O	|	|	|	|	6.32
175.083	0.00	0.65	3.906	O	|	|	|	|	6.66	180.250	0.00	0.64	3.631	O	|	|	|	|	6.31
175.167	0.00	0.65	3.902	O	|	|	|	|	6.66	180.333	0.00	0.64	3.627	O	|	|	|	|	6.31
175.250	0.00	0.65	3.897	O	|	|	|	|	6.65	180.417	0.00	0.64	3.622	O	|	|	|	|	6.30
175.333	0.00	0.65	3.893	O	|	|	|	|	6.65	180.500	0.00	0.63	3.618	O	|	|	|	|	6.30
175.417	0.00	0.65	3.888	O	|	|	|	|	6.64	180.583	0.00	0.63	3.614	O	|	|	|	|	6.29
175.500	0.00	0.65	3.884	O	|	|	|	|	6.63	180.667	0.00	0.63	3.609	O	|	|	|	|	6.29
175.583	0.00	0.65	3.879	O	|	|	|	|	6.63	180.750	0.00	0.63	3.605	O	|	|	|	|	6.28
175.667	0.00	0.65	3.875	O	|	|	|	|	6.62	180.833	0.00	0.63	3.601	O	|	|	|	|	6.27
175.750	0.00	0.65	3.870	O	|	|	|	|	6.62	180.917	0.00	0.63	3.596	O	|	|	|	|	6.27

181.000	0.00	0.63	3.592	O	|	|	|	|	6.26	186.167	0.00	0.62	3.325	O	|	|	|	|	5.92
181.083	0.00	0.63	3.587	O	|	|	|	|	6.26	186.250	0.00	0.61	3.321	O	|	|	|	|	5.91
181.167	0.00	0.63	3.583	O	|	|	|	|	6.25	186.333	0.00	0.61	3.317	O	|	|	|	|	5.91
181.250	0.00	0.63	3.579	O	|	|	|	|	6.25	186.417	0.00	0.61	3.312	O	|	|	|	|	5.90
181.333	0.00	0.63	3.574	O	|	|	|	|	6.24	186.500	0.00	0.61	3.308	O	|	|	|	|	5.89
181.417	0.00	0.63	3.570	O	|	|	|	|	6.24	186.583	0.00	0.61	3.304	O	|	|	|	|	5.89
181.500	0.00	0.63	3.566	O	|	|	|	|	6.23	186.667	0.00	0.61	3.300	O	|	|	|	|	5.88
181.583	0.00	0.63	3.561	O	|	|	|	|	6.22	186.750	0.00	0.61	3.296	O	|	|	|	|	5.88
181.667	0.00	0.63	3.557	O	|	|	|	|	6.22	186.833	0.00	0.61	3.291	O	|	|	|	|	5.87
181.750	0.00	0.63	3.553	O	|	|	|	|	6.21	186.917	0.00	0.61	3.287	O	|	|	|	|	5.86
181.833	0.00	0.63	3.548	O	|	|	|	|	6.21	187.000	0.00	0.61	3.283	O	|	|	|	|	5.86
181.917	0.00	0.63	3.544	O	|	|	|	|	6.20	187.083	0.00	0.61	3.279	O	|	|	|	|	5.85
182.000	0.00	0.63	3.540	O	|	|	|	|	6.20	187.167	0.00	0.61	3.275	O	|	|	|	|	5.85
182.083	0.00	0.63	3.535	O	|	|	|	|	6.19	187.250	0.00	0.61	3.270	O	|	|	|	|	5.84
182.167	0.00	0.63	3.531	O	|	|	|	|	6.19	187.333	0.00	0.61	3.266	O	|	|	|	|	5.83
182.250	0.00	0.63	3.527	O	|	|	|	|	6.18	187.417	0.00	0.61	3.262	O	|	|	|	|	5.83
182.333	0.00	0.63	3.522	O	|	|	|	|	6.17	187.500	0.00	0.61	3.258	O	|	|	|	|	5.82
182.417	0.00	0.63	3.518	O	|	|	|	|	6.17	187.583	0.00	0.61	3.254	O	|	|	|	|	5.82
182.500	0.00	0.63	3.514	O	|	|	|	|	6.16	187.667	0.00	0.61	3.249	O	|	|	|	|	5.81
182.583	0.00	0.63	3.509	O	|	|	|	|	6.16	187.750	0.00	0.61	3.245	O	|	|	|	|	5.81
182.667	0.00	0.63	3.505	O	|	|	|	|	6.15	187.833	0.00	0.61	3.241	O	|	|	|	|	5.80
182.750	0.00	0.63	3.501	O	|	|	|	|	6.15	187.917	0.00	0.61	3.237	O	|	|	|	|	5.79
182.833	0.00	0.63	3.496	O	|	|	|	|	6.14	188.000	0.00	0.61	3.233	O	|	|	|	|	5.79
182.917	0.00	0.63	3.492	O	|	|	|	|	6.14	188.083	0.00	0.61	3.228	O	|	|	|	|	5.78
183.000	0.00	0.63	3.488	O	|	|	|	|	6.13	188.167	0.00	0.61	3.224	O	|	|	|	|	5.78
183.083	0.00	0.63	3.483	O	|	|	|	|	6.13	188.250	0.00	0.61	3.220	O	|	|	|	|	5.77
183.167	0.00	0.63	3.479	O	|	|	|	|	6.12	188.333	0.00	0.61	3.216	O	|	|	|	|	5.77
183.250	0.00	0.63	3.475	O	|	|	|	|	6.11	188.417	0.00	0.61	3.212	O	|	|	|	|	5.76
183.333	0.00	0.63	3.470	O	|	|	|	|	6.11	188.500	0.00	0.61	3.208	O	|	|	|	|	5.75
183.417	0.00	0.63	3.466	O	|	|	|	|	6.10	188.583	0.00	0.60	3.203	O	|	|	|	|	5.75
183.500	0.00	0.62	3.462	O	|	|	|	|	6.10	188.667	0.00	0.60	3.199	O	|	|	|	|	5.74
183.583	0.00	0.62	3.458	O	|	|	|	|	6.09	188.750	0.00	0.60	3.195	O	|	|	|	|	5.74
183.667	0.00	0.62	3.453	O	|	|	|	|	6.09	188.833	0.00	0.60	3.191	O	|	|	|	|	5.73
183.750	0.00	0.62	3.449	O	|	|	|	|	6.08	188.917	0.00	0.60	3.187	O	|	|	|	|	5.72
183.833	0.00	0.62	3.445	O	|	|	|	|	6.08	189.000	0.00	0.60	3.183	O	|	|	|	|	5.72
183.917	0.00	0.62	3.440	O	|	|	|	|	6.07	189.083	0.00	0.60	3.178	O	|	|	|	|	5.71
184.000	0.00	0.62	3.436	O	|	|	|	|	6.06	189.167	0.00	0.60	3.174	O	|	|	|	|	5.71
184.083	0.00	0.62	3.432	O	|	|	|	|	6.06	189.250	0.00	0.60	3.170	O	|	|	|	|	5.70
184.167	0.00	0.62	3.428	O	|	|	|	|	6.05	189.333	0.00	0.60	3.166	O	|	|	|	|	5.70
184.250	0.00	0.62	3.423	O	|	|	|	|	6.05	189.417	0.00	0.60	3.162	O	|	|	|	|	5.69
184.333	0.00	0.62	3.419	O	|	|	|	|	6.04	189.500	0.00	0.60	3.158	O	|	|	|	|	5.68
184.417	0.00	0.62	3.415	O	|	|	|	|	6.04	189.583	0.00	0.60	3.154	O	|	|	|	|	5.68
184.500	0.00	0.62	3.410	O	|	|	|	|	6.03	189.667	0.00	0.60	3.149	O	|	|	|	|	5.67
184.583	0.00	0.62	3.406	O	|	|	|	|	6.03	189.750	0.00	0.60	3.145	O	|	|	|	|	5.67
184.667	0.00	0.62	3.402	O	|	|	|	|	6.02	189.833	0.00	0.60	3.141	O	|	|	|	|	5.66
184.750	0.00	0.62	3.398	O	|	|	|	|	6.02	189.917	0.00	0.60	3.137	O	|	|	|	|	5.66
184.833	0.00	0.62	3.393	O	|	|	|	|	6.01	190.000	0.00	0.60	3.133	O	|	|	|	|	5.65
184.917	0.00	0.62	3.389	O	|	|	|	|	6.01	190.083	0.00	0.60	3.129	O	|	|	|	|	5.64
185.000	0.00	0.62	3.385	O	|	|	|	|	6.00	190.167	0.00	0.60	3.125	O	|	|	|	|	5.64
185.083	0.00	0.62	3.380	O	|	|	|	|	5.99	190.250	0.00	0.60	3.121	O	|	|	|	|	5.63
185.167	0.00	0.62	3.376	O	|	|	|	|	5.99	190.333	0.00	0.60	3.116	O	|	|	|	|	5.63
185.250	0.00	0.62	3.372	O	|	|	|	|	5.98	190.417	0.00	0.60	3.112	O	|	|	|	|	5.62
185.333	0.00	0.62	3.368	O	|	|	|	|	5.98	190.500	0.00	0.60	3.108	O	|	|	|	|	5.62
185.417	0.00	0.62	3.363	O	|	|	|	|	5.97	190.583	0.00	0.60	3.104	O	|	|	|	|	5.61
185.500	0.00	0.62	3.359	O	|	|	|	|	5.96	190.667	0.00	0.60	3.100	O	|	|	|	|	5.60
185.583	0.00	0.62	3.355	O	|	|	|	|	5.96	190.750	0.00	0.60	3.096	O	|	|	|	|	5.60
185.667	0.00	0.62	3.351	O	|	|	|	|	5.95	190.833	0.00	0.60	3.092	O	|	|	|	|	5.59
185.750	0.00	0.62	3.346	O	|	|	|	|	5.95	190.917	0.00	0.60	3.088	O	|	|	|	|	5.59
185.833	0.00	0.62	3.342	O	|	|	|	|	5.94	191.000	0.00	0.59	3.084	O	|	|	|	|	5.58
185.917	0.00	0.62	3.338	O	|	|	|	|	5.93	191.083	0.00	0.59	3.079	O	|	|	|	|	5.58
186.000	0.00	0.62	3.334	O	|	|	|	|	5.93	191.167	0.00	0.59	3.075	O	|	|	|	|	5.57
186.083	0.00	0.62	3.329	O	|	|	|	|	5.92	191.250	0.00	0.59	3.071	O	|	|	|	|	5.56

191.333	0.00	0.59	3.067	O	|	|	|	|	5.56	196.500	0.00	0.57	2.818	O	|	|	|	|	5.21
191.417	0.00	0.59	3.063	O	|	|	|	|	5.55	196.583	0.00	0.57	2.814	O	|	|	|	|	5.21
191.500	0.00	0.59	3.059	O	|	|	|	|	5.55	196.667	0.00	0.57	2.810	O	|	|	|	|	5.20
191.583	0.00	0.59	3.055	O	|	|	|	|	5.54	196.750	0.00	0.57	2.806	O	|	|	|	|	5.20
191.667	0.00	0.59	3.051	O	|	|	|	|	5.54	196.833	0.00	0.57	2.802	O	|	|	|	|	5.19
191.750	0.00	0.59	3.047	O	|	|	|	|	5.53	196.917	0.00	0.57	2.799	O	|	|	|	|	5.19
191.833	0.00	0.59	3.043	O	|	|	|	|	5.52	197.000	0.00	0.57	2.795	O	|	|	|	|	5.18
191.917	0.00	0.59	3.039	O	|	|	|	|	5.52	197.083	0.00	0.57	2.791	O	|	|	|	|	5.17
192.000	0.00	0.59	3.035	O	|	|	|	|	5.51	197.167	0.00	0.57	2.787	O	|	|	|	|	5.17
192.083	0.00	0.59	3.030	O	|	|	|	|	5.51	197.250	0.00	0.57	2.783	O	|	|	|	|	5.16
192.167	0.00	0.59	3.026	O	|	|	|	|	5.50	197.333	0.00	0.57	2.779	O	|	|	|	|	5.16
192.250	0.00	0.59	3.022	O	|	|	|	|	5.50	197.417	0.00	0.57	2.775	O	|	|	|	|	5.15
192.333	0.00	0.59	3.018	O	|	|	|	|	5.49	197.500	0.00	0.57	2.771	O	|	|	|	|	5.15
192.417	0.00	0.59	3.014	O	|	|	|	|	5.49	197.583	0.00	0.57	2.767	O	|	|	|	|	5.14
192.500	0.00	0.59	3.010	O	|	|	|	|	5.48	197.667	0.00	0.57	2.763	O	|	|	|	|	5.14
192.583	0.00	0.59	3.006	O	|	|	|	|	5.47	197.750	0.00	0.57	2.759	O	|	|	|	|	5.13
192.667	0.00	0.59	3.002	O	|	|	|	|	5.47	197.833	0.00	0.57	2.755	O	|	|	|	|	5.13
192.750	0.00	0.59	2.998	O	|	|	|	|	5.46	197.917	0.00	0.57	2.751	O	|	|	|	|	5.12
192.833	0.00	0.59	2.994	O	|	|	|	|	5.46	198.000	0.00	0.57	2.748	O	|	|	|	|	5.11
192.917	0.00	0.59	2.990	O	|	|	|	|	5.45	198.083	0.00	0.57	2.744	O	|	|	|	|	5.11
193.000	0.00	0.59	2.986	O	|	|	|	|	5.45	198.167	0.00	0.57	2.740	O	|	|	|	|	5.10
193.083	0.00	0.59	2.982	O	|	|	|	|	5.44	198.250	0.00	0.57	2.736	O	|	|	|	|	5.10
193.167	0.00	0.59	2.978	O	|	|	|	|	5.43	198.333	0.00	0.57	2.732	O	|	|	|	|	5.09
193.250	0.00	0.59	2.974	O	|	|	|	|	5.43	198.417	0.00	0.57	2.728	O	|	|	|	|	5.09
193.333	0.00	0.59	2.970	O	|	|	|	|	5.42	198.500	0.00	0.56	2.724	O	|	|	|	|	5.08
193.417	0.00	0.59	2.966	O	|	|	|	|	5.42	198.583	0.00	0.56	2.720	O	|	|	|	|	5.08
193.500	0.00	0.58	2.962	O	|	|	|	|	5.41	198.667	0.00	0.56	2.716	O	|	|	|	|	5.07
193.583	0.00	0.58	2.958	O	|	|	|	|	5.41	198.750	0.00	0.56	2.713	O	|	|	|	|	5.07
193.667	0.00	0.58	2.954	O	|	|	|	|	5.40	198.833	0.00	0.56	2.709	O	|	|	|	|	5.06
193.750	0.00	0.58	2.950	O	|	|	|	|	5.40	198.917	0.00	0.56	2.705	O	|	|	|	|	5.06
193.833	0.00	0.58	2.946	O	|	|	|	|	5.39	199.000	0.00	0.56	2.701	O	|	|	|	|	5.05
193.917	0.00	0.58	2.942	O	|	|	|	|	5.38	199.083	0.00	0.56	2.697	O	|	|	|	|	5.04
194.000	0.00	0.58	2.938	O	|	|	|	|	5.38	199.167	0.00	0.56	2.693	O	|	|	|	|	5.04
194.083	0.00	0.58	2.934	O	|	|	|	|	5.37	199.250	0.00	0.56	2.689	O	|	|	|	|	5.03
194.167	0.00	0.58	2.930	O	|	|	|	|	5.37	199.333	0.00	0.56	2.685	O	|	|	|	|	5.03
194.250	0.00	0.58	2.926	O	|	|	|	|	5.36	199.417	0.00	0.56	2.682	O	|	|	|	|	5.02
194.333	0.00	0.58	2.922	O	|	|	|	|	5.36	199.500	0.00	0.56	2.678	O	|	|	|	|	5.02
194.417	0.00	0.58	2.918	O	|	|	|	|	5.35	199.583	0.00	0.56	2.674	O	|	|	|	|	5.01
194.500	0.00	0.58	2.914	O	|	|	|	|	5.35	199.667	0.00	0.56	2.670	O	|	|	|	|	5.01
194.583	0.00	0.58	2.910	O	|	|	|	|	5.34	199.750	0.00	0.56	2.666	O	|	|	|	|	5.00
194.667	0.00	0.58	2.906	O	|	|	|	|	5.33	199.833	0.00	0.56	2.662	O	|	|	|	|	5.00
194.750	0.00	0.58	2.902	O	|	|	|	|	5.33	199.917	0.00	0.56	2.658	O	|	|	|	|	4.99
194.833	0.00	0.58	2.898	O	|	|	|	|	5.32	200.000	0.00	0.56	2.655	O	|	|	|	|	4.98
194.917	0.00	0.58	2.894	O	|	|	|	|	5.32	200.083	0.00	0.56	2.651	O	|	|	|	|	4.98
195.000	0.00	0.58	2.890	O	|	|	|	|	5.31	200.167	0.00	0.56	2.647	O	|	|	|	|	4.97
195.083	0.00	0.58	2.886	O	|	|	|	|	5.31	200.250	0.00	0.56	2.643	O	|	|	|	|	4.97
195.167	0.00	0.58	2.882	O	|	|	|	|	5.30	200.333	0.00	0.56	2.639	O	|	|	|	|	4.96
195.250	0.00	0.58	2.878	O	|	|	|	|	5.30	200.417	0.00	0.56	2.635	O	|	|	|	|	4.95
195.333	0.00	0.58	2.874	O	|	|	|	|	5.29	200.500	0.00	0.56	2.631	O	|	|	|	|	4.95
195.417	0.00	0.58	2.870	O	|	|	|	|	5.28	200.583	0.00	0.56	2.628	O	|	|	|	|	4.94
195.500	0.00	0.58	2.866	O	|	|	|	|	5.28	200.667	0.00	0.56	2.624	O	|	|	|	|	4.94
195.583	0.00	0.58	2.862	O	|	|	|	|	5.27	200.750	0.00	0.56	2.620	O	|	|	|	|	4.93
195.667	0.00	0.58	2.858	O	|	|	|	|	5.27	200.833	0.00	0.56	2.616	O	|	|	|	|	4.93
195.750	0.00	0.58	2.854	O	|	|	|	|	5.26	200.917	0.00	0.56	2.612	O	|	|	|	|	4.92
195.833	0.00	0.58	2.850	O	|	|	|	|	5.26	201.000	0.00	0.55	2.608	O	|	|	|	|	4.91
195.917	0.00	0.58	2.846	O	|	|	|	|	5.25	201.083	0.00	0.55	2.605	O	|	|	|	|	4.91
196.000	0.00	0.57	2.842	O	|	|	|	|	5.25	201.167	0.00	0.55	2.601	O	|	|	|	|	4.90
196.083	0.00	0.57	2.838	O	|	|	|	|	5.24	201.250	0.00	0.55	2.597	O	|	|	|	|	4.90
196.167	0.00	0.57	2.834	O	|	|	|	|	5.23	201.333	0.00	0.55	2.593	O	|	|	|	|	4.89
196.250	0.00	0.57	2.830	O	|	|	|	|	5.23	201.417	0.00	0.55	2.589	O	|	|	|	|	4.88
196.333	0.00	0.57	2.826	O	|	|	|	|	5.22	201.500	0.00	0.55	2.586	O	|	|	|	|	4.88
196.417	0.00	0.57	2.822	O	|	|	|	|	5.22	201.583	0.00	0.55	2.582	O	|	|	|	|	4.87

201.667	0.00	0.55	2.578	O	|	|	|	|	4.87	206.833	0.00	0.53	2.347	O	|	|	|	|	4.51
201.750	0.00	0.55	2.574	O	|	|	|	|	4.86	206.917	0.00	0.53	2.343	O	|	|	|	|	4.51
201.833	0.00	0.55	2.570	O	|	|	|	|	4.86	207.000	0.00	0.53	2.340	O	|	|	|	|	4.50
201.917	0.00	0.55	2.567	O	|	|	|	|	4.85	207.083	0.00	0.53	2.336	O	|	|	|	|	4.50
202.000	0.00	0.55	2.563	O	|	|	|	|	4.84	207.167	0.00	0.53	2.332	O	|	|	|	|	4.49
202.083	0.00	0.55	2.559	O	|	|	|	|	4.84	207.250	0.00	0.53	2.329	O	|	|	|	|	4.49
202.167	0.00	0.55	2.555	O	|	|	|	|	4.83	207.333	0.00	0.53	2.325	O	|	|	|	|	4.48
202.250	0.00	0.55	2.551	O	|	|	|	|	4.83	207.417	0.00	0.53	2.321	O	|	|	|	|	4.47
202.333	0.00	0.55	2.548	O	|	|	|	|	4.82	207.500	0.00	0.53	2.318	O	|	|	|	|	4.47
202.417	0.00	0.55	2.544	O	|	|	|	|	4.81	207.583	0.00	0.53	2.314	O	|	|	|	|	4.46
202.500	0.00	0.55	2.540	O	|	|	|	|	4.81	207.667	0.00	0.53	2.310	O	|	|	|	|	4.46
202.583	0.00	0.55	2.536	O	|	|	|	|	4.80	207.750	0.00	0.53	2.307	O	|	|	|	|	4.45
202.667	0.00	0.55	2.533	O	|	|	|	|	4.80	207.833	0.00	0.53	2.303	O	|	|	|	|	4.45
202.750	0.00	0.55	2.529	O	|	|	|	|	4.79	207.917	0.00	0.53	2.300	O	|	|	|	|	4.44
202.833	0.00	0.55	2.525	O	|	|	|	|	4.79	208.000	0.00	0.53	2.296	O	|	|	|	|	4.44
202.917	0.00	0.55	2.521	O	|	|	|	|	4.78	208.083	0.00	0.53	2.292	O	|	|	|	|	4.43
203.000	0.00	0.55	2.517	O	|	|	|	|	4.77	208.167	0.00	0.53	2.289	O	|	|	|	|	4.42
203.083	0.00	0.55	2.514	O	|	|	|	|	4.77	208.250	0.00	0.53	2.285	O	|	|	|	|	4.42
203.167	0.00	0.55	2.510	O	|	|	|	|	4.76	208.333	0.00	0.52	2.281	O	|	|	|	|	4.41
203.250	0.00	0.55	2.506	O	|	|	|	|	4.76	208.417	0.00	0.52	2.278	O	|	|	|	|	4.41
203.333	0.00	0.55	2.502	O	|	|	|	|	4.75	208.500	0.00	0.52	2.274	O	|	|	|	|	4.40
203.417	0.00	0.54	2.499	O	|	|	|	|	4.75	208.583	0.00	0.52	2.271	O	|	|	|	|	4.40
203.500	0.00	0.54	2.495	O	|	|	|	|	4.74	208.667	0.00	0.52	2.267	O	|	|	|	|	4.39
203.583	0.00	0.54	2.491	O	|	|	|	|	4.73	208.750	0.00	0.52	2.263	O	|	|	|	|	4.39
203.667	0.00	0.54	2.487	O	|	|	|	|	4.73	208.833	0.00	0.52	2.260	O	|	|	|	|	4.38
203.750	0.00	0.54	2.484	O	|	|	|	|	4.72	208.917	0.00	0.52	2.256	O	|	|	|	|	4.37
203.833	0.00	0.54	2.480	O	|	|	|	|	4.72	209.000	0.00	0.52	2.253	O	|	|	|	|	4.37
203.917	0.00	0.54	2.476	O	|	|	|	|	4.71	209.083	0.00	0.52	2.249	O	|	|	|	|	4.36
204.000	0.00	0.54	2.472	O	|	|	|	|	4.71	209.167	0.00	0.52	2.245	O	|	|	|	|	4.36
204.083	0.00	0.54	2.469	O	|	|	|	|	4.70	209.250	0.00	0.52	2.242	O	|	|	|	|	4.35
204.167	0.00	0.54	2.465	O	|	|	|	|	4.69	209.333	0.00	0.52	2.238	O	|	|	|	|	4.35
204.250	0.00	0.54	2.461	O	|	|	|	|	4.69	209.417	0.00	0.52	2.235	O	|	|	|	|	4.34
204.333	0.00	0.54	2.458	O	|	|	|	|	4.68	209.500	0.00	0.52	2.231	O	|	|	|	|	4.34
204.417	0.00	0.54	2.454	O	|	|	|	|	4.68	209.583	0.00	0.52	2.227	O	|	|	|	|	4.33
204.500	0.00	0.54	2.450	O	|	|	|	|	4.67	209.667	0.00	0.52	2.224	O	|	|	|	|	4.33
204.583	0.00	0.54	2.446	O	|	|	|	|	4.67	209.750	0.00	0.52	2.220	O	|	|	|	|	4.32
204.667	0.00	0.54	2.443	O	|	|	|	|	4.66	209.833	0.00	0.52	2.217	O	|	|	|	|	4.31
204.750	0.00	0.54	2.439	O	|	|	|	|	4.65	209.917	0.00	0.52	2.213	O	|	|	|	|	4.31
204.833	0.00	0.54	2.435	O	|	|	|	|	4.65	210.000	0.00	0.52	2.210	O	|	|	|	|	4.30
204.917	0.00	0.54	2.432	O	|	|	|	|	4.64	210.083	0.00	0.52	2.206	O	|	|	|	|	4.30
205.000	0.00	0.54	2.428	O	|	|	|	|	4.64	210.167	0.00	0.52	2.202	O	|	|	|	|	4.29
205.083	0.00	0.54	2.424	O	|	|	|	|	4.63	210.250	0.00	0.52	2.199	O	|	|	|	|	4.29
205.167	0.00	0.54	2.420	O	|	|	|	|	4.63	210.333	0.00	0.52	2.195	O	|	|	|	|	4.28
205.250	0.00	0.54	2.417	O	|	|	|	|	4.62	210.417	0.00	0.52	2.192	O	|	|	|	|	4.28
205.333	0.00	0.54	2.413	O	|	|	|	|	4.61	210.500	0.00	0.52	2.188	O	|	|	|	|	4.27
205.417	0.00	0.54	2.409	O	|	|	|	|	4.61	210.583	0.00	0.52	2.185	O	|	|	|	|	4.27
205.500	0.00	0.54	2.406	O	|	|	|	|	4.60	210.667	0.00	0.52	2.181	O	|	|	|	|	4.26
205.583	0.00	0.54	2.402	O	|	|	|	|	4.60	210.750	0.00	0.52	2.178	O	|	|	|	|	4.25
205.667	0.00	0.54	2.398	O	|	|	|	|	4.59	210.833	0.00	0.51	2.174	O	|	|	|	|	4.25
205.750	0.00	0.54	2.395	O	|	|	|	|	4.59	210.917	0.00	0.51	2.170	O	|	|	|	|	4.24
205.833	0.00	0.53	2.391	O	|	|	|	|	4.58	211.000	0.00	0.51	2.167	O	|	|	|	|	4.24
205.917	0.00	0.53	2.387	O	|	|	|	|	4.58	211.083	0.00	0.51	2.163	O	|	|	|	|	4.23
206.000	0.00	0.53	2.384	O	|	|	|	|	4.57	211.167	0.00	0.51	2.160	O	|	|	|	|	4.23
206.083	0.00	0.53	2.380	O	|	|	|	|	4.56	211.250	0.00	0.51	2.156	O	|	|	|	|	4.22
206.167	0.00	0.53	2.376	O	|	|	|	|	4.56	211.333	0.00	0.51	2.153	O	|	|	|	|	4.22
206.250	0.00	0.53	2.372	O	|	|	|	|	4.55	211.417	0.00	0.51	2.149	O	|	|	|	|	4.21
206.333	0.00	0.53	2.369	O	|	|	|	|	4.55	211.500	0.00	0.51	2.146	O	|	|	|	|	4.21
206.417	0.00	0.53	2.365	O	|	|	|	|	4.54	211.583	0.00	0.51	2.142	O	|	|	|	|	4.20
206.500	0.00	0.53	2.361	O	|	|	|	|	4.54	211.667	0.00	0.51	2.139	O	|	|	|	|	4.20
206.583	0.00	0.53	2.358	O	|	|	|	|	4.53	211.750	0.00	0.51	2.135	O	|	|	|	|	4.19
206.667	0.00	0.53	2.354	O	|	|	|	|	4.52	211.833	0.00	0.51	2.132	O	|	|	|	|	4.18
206.750	0.00	0.53	2.350	O	|	|	|	|	4.52	211.917	0.00	0.51	2.128	O	|	|	|	|	4.18

212.000	0.00	0.51	2.125	O	|	|	|	|	4.17	217.167	0.00	0.49	1.911	O	|	|	|	|	3.83
212.083	0.00	0.51	2.121	O	|	|	|	|	4.17	217.250	0.00	0.49	1.908	O	|	|	|	|	3.83
212.167	0.00	0.51	2.118	O	|	|	|	|	4.16	217.333	0.00	0.49	1.904	O	|	|	|	|	3.82
212.250	0.00	0.51	2.114	O	|	|	|	|	4.16	217.417	0.00	0.49	1.901	O	|	|	|	|	3.81
212.333	0.00	0.51	2.111	O	|	|	|	|	4.15	217.500	0.00	0.49	1.898	O	|	|	|	|	3.81
212.417	0.00	0.51	2.107	O	|	|	|	|	4.15	217.583	0.00	0.49	1.894	O	|	|	|	|	3.80
212.500	0.00	0.51	2.104	O	|	|	|	|	4.14	217.667	0.00	0.49	1.891	O	|	|	|	|	3.80
212.583	0.00	0.51	2.100	O	|	|	|	|	4.14	217.750	0.00	0.49	1.888	O	|	|	|	|	3.79
212.667	0.00	0.51	2.097	O	|	|	|	|	4.13	217.833	0.00	0.49	1.884	O	|	|	|	|	3.79
212.750	0.00	0.51	2.093	O	|	|	|	|	4.13	217.917	0.00	0.48	1.881	O	|	|	|	|	3.78
212.833	0.00	0.51	2.090	O	|	|	|	|	4.12	218.000	0.00	0.48	1.878	O	|	|	|	|	3.77
212.917	0.00	0.51	2.086	O	|	|	|	|	4.11	218.083	0.00	0.48	1.874	O	|	|	|	|	3.77
213.000	0.00	0.51	2.083	O	|	|	|	|	4.11	218.167	0.00	0.48	1.871	O	|	|	|	|	3.76
213.083	0.00	0.51	2.079	O	|	|	|	|	4.10	218.250	0.00	0.48	1.868	O	|	|	|	|	3.76
213.167	0.00	0.51	2.076	O	|	|	|	|	4.10	218.333	0.00	0.48	1.864	O	|	|	|	|	3.75
213.250	0.00	0.51	2.072	O	|	|	|	|	4.09	218.417	0.00	0.48	1.861	O	|	|	|	|	3.75
213.333	0.00	0.51	2.069	O	|	|	|	|	4.09	218.500	0.00	0.48	1.858	O	|	|	|	|	3.74
213.417	0.00	0.50	2.065	O	|	|	|	|	4.08	218.583	0.00	0.48	1.854	O	|	|	|	|	3.74
213.500	0.00	0.50	2.062	O	|	|	|	|	4.08	218.667	0.00	0.48	1.851	O	|	|	|	|	3.73
213.583	0.00	0.50	2.058	O	|	|	|	|	4.07	218.750	0.00	0.48	1.848	O	|	|	|	|	3.72
213.667	0.00	0.50	2.055	O	|	|	|	|	4.07	218.833	0.00	0.48	1.844	O	|	|	|	|	3.72
213.750	0.00	0.50	2.051	O	|	|	|	|	4.06	218.917	0.00	0.48	1.841	O	|	|	|	|	3.71
213.833	0.00	0.50	2.048	O	|	|	|	|	4.06	219.000	0.00	0.48	1.838	O	|	|	|	|	3.71
213.917	0.00	0.50	2.044	O	|	|	|	|	4.05	219.083	0.00	0.48	1.834	O	|	|	|	|	3.70
214.000	0.00	0.50	2.041	O	|	|	|	|	4.05	219.167	0.00	0.48	1.831	O	|	|	|	|	3.70
214.083	0.00	0.50	2.037	O	|	|	|	|	4.04	219.250	0.00	0.48	1.828	O	|	|	|	|	3.69
214.167	0.00	0.50	2.034	O	|	|	|	|	4.04	219.333	0.00	0.48	1.825	O	|	|	|	|	3.69
214.250	0.00	0.50	2.030	O	|	|	|	|	4.03	219.417	0.00	0.48	1.821	O	|	|	|	|	3.68
214.333	0.00	0.50	2.027	O	|	|	|	|	4.02	219.500	0.00	0.48	1.818	O	|	|	|	|	3.67
214.417	0.00	0.50	2.024	O	|	|	|	|	4.02	219.583	0.00	0.48	1.815	O	|	|	|	|	3.67
214.500	0.00	0.50	2.020	O	|	|	|	|	4.01	219.667	0.00	0.48	1.811	O	|	|	|	|	3.66
214.583	0.00	0.50	2.017	O	|	|	|	|	4.01	219.750	0.00	0.48	1.808	O	|	|	|	|	3.66
214.667	0.00	0.50	2.013	O	|	|	|	|	4.00	219.833	0.00	0.48	1.805	O	|	|	|	|	3.65
214.750	0.00	0.50	2.010	O	|	|	|	|	4.00	219.917	0.00	0.48	1.802	O	|	|	|	|	3.65
214.833	0.00	0.50	2.006	O	|	|	|	|	3.99	220.000	0.00	0.47	1.798	O	|	|	|	|	3.64
214.917	0.00	0.50	2.003	O	|	|	|	|	3.99	220.083	0.00	0.47	1.795	O	|	|	|	|	3.64
215.000	0.00	0.50	1.999	O	|	|	|	|	3.98	220.167	0.00	0.47	1.792	O	|	|	|	|	3.63
215.083	0.00	0.50	1.996	O	|	|	|	|	3.97	220.250	0.00	0.47	1.789	O	|	|	|	|	3.62
215.167	0.00	0.50	1.993	O	|	|	|	|	3.97	220.333	0.00	0.47	1.785	O	|	|	|	|	3.62
215.250	0.00	0.50	1.989	O	|	|	|	|	3.96	220.417	0.00	0.47	1.782	O	|	|	|	|	3.61
215.333	0.00	0.50	1.986	O	|	|	|	|	3.96	220.500	0.00	0.47	1.779	O	|	|	|	|	3.61
215.417	0.00	0.50	1.982	O	|	|	|	|	3.95	220.583	0.00	0.47	1.776	O	|	|	|	|	3.60
215.500	0.00	0.50	1.979	O	|	|	|	|	3.95	220.667	0.00	0.47	1.772	O	|	|	|	|	3.60
215.583	0.00	0.50	1.975	O	|	|	|	|	3.94	220.750	0.00	0.47	1.769	O	|	|	|	|	3.59
215.667	0.00	0.50	1.972	O	|	|	|	|	3.93	220.833	0.00	0.47	1.766	O	|	|	|	|	3.59
215.750	0.00	0.49	1.969	O	|	|	|	|	3.93	220.917	0.00	0.47	1.763	O	|	|	|	|	3.58
215.833	0.00	0.49	1.965	O	|	|	|	|	3.92	221.000	0.00	0.47	1.759	O	|	|	|	|	3.57
215.917	0.00	0.49	1.962	O	|	|	|	|	3.92	221.083	0.00	0.47	1.756	O	|	|	|	|	3.57
216.000	0.00	0.49	1.958	O	|	|	|	|	3.91	221.167	0.00	0.47	1.753	O	|	|	|	|	3.56
216.083	0.00	0.49	1.955	O	|	|	|	|	3.91	221.250	0.00	0.47	1.750	O	|	|	|	|	3.56
216.167	0.00	0.49	1.952	O	|	|	|	|	3.90	221.333	0.00	0.47	1.746	O	|	|	|	|	3.55
216.250	0.00	0.49	1.948	O	|	|	|	|	3.89	221.417	0.00	0.47	1.743	O	|	|	|	|	3.55
216.333	0.00	0.49	1.945	O	|	|	|	|	3.89	221.500	0.00	0.47	1.740	O	|	|	|	|	3.54
216.417	0.00	0.49	1.941	O	|	|	|	|	3.88	221.583	0.00	0.47	1.737	O	|	|	|	|	3.54
216.500	0.00	0.49	1.938	O	|	|	|	|	3.88	221.667	0.00	0.47	1.733	O	|	|	|	|	3.53
216.583	0.00	0.49	1.935	O	|	|	|	|	3.87	221.750	0.00	0.47	1.730	O	|	|	|	|	3.53
216.667	0.00	0.49	1.931	O	|	|	|	|	3.87	221.833	0.00	0.47	1.727	O	|	|	|	|	3.52
216.750	0.00	0.49	1.928	O	|	|	|	|	3.86	221.917	0.00	0.47	1.724	O	|	|	|	|	3.51
216.833	0.00	0.49	1.925	O	|	|	|	|	3.85	222.000	0.00	0.47	1.721	O	|	|	|	|	3.51
216.917	0.00	0.49	1.921	O	|	|	|	|	3.85	222.083	0.00	0.47	1.717	O	|	|	|	|	3.50
217.000	0.00	0.49	1.918	O	|	|	|	|	3.84	222.167	0.00	0.46	1.714	O	|	|	|	|	3.50
217.083	0.00	0.49	1.914	O	|	|	|	|	3.84	222.250	0.00	0.46	1.711	O	|	|	|	|	3.49

222.333	0.00	0.46	1.708	O	|	|	|	|	3.49	227.500	0.00	0.44	1.515	O	|	|	|	|	3.16
222.417	0.00	0.46	1.705	O	|	|	|	|	3.48	227.583	0.00	0.44	1.512	O	|	|	|	|	3.16
222.500	0.00	0.46	1.701	O	|	|	|	|	3.48	227.667	0.00	0.44	1.508	O	|	|	|	|	3.15
222.583	0.00	0.46	1.698	O	|	|	|	|	3.47	227.750	0.00	0.44	1.505	O	|	|	|	|	3.15
222.667	0.00	0.46	1.695	O	|	|	|	|	3.47	227.833	0.00	0.44	1.502	O	|	|	|	|	3.14
222.750	0.00	0.46	1.692	O	|	|	|	|	3.46	227.917	0.00	0.44	1.499	O	|	|	|	|	3.14
222.833	0.00	0.46	1.689	O	|	|	|	|	3.46	228.000	0.00	0.44	1.496	O	|	|	|	|	3.13
222.917	0.00	0.46	1.686	O	|	|	|	|	3.45	228.083	0.00	0.44	1.493	O	|	|	|	|	3.13
223.000	0.00	0.46	1.682	O	|	|	|	|	3.44	228.167	0.00	0.44	1.490	O	|	|	|	|	3.12
223.083	0.00	0.46	1.679	O	|	|	|	|	3.44	228.250	0.00	0.44	1.487	O	|	|	|	|	3.12
223.167	0.00	0.46	1.676	O	|	|	|	|	3.43	228.333	0.00	0.44	1.484	O	|	|	|	|	3.11
223.250	0.00	0.46	1.673	O	|	|	|	|	3.43	228.417	0.00	0.44	1.481	O	|	|	|	|	3.11
223.333	0.00	0.46	1.670	O	|	|	|	|	3.42	228.500	0.00	0.44	1.478	O	|	|	|	|	3.10
223.417	0.00	0.46	1.666	O	|	|	|	|	3.42	228.583	0.00	0.44	1.475	O	|	|	|	|	3.10
223.500	0.00	0.46	1.663	O	|	|	|	|	3.41	228.667	0.00	0.44	1.472	O	|	|	|	|	3.09
223.583	0.00	0.46	1.660	O	|	|	|	|	3.41	228.750	0.00	0.44	1.469	O	|	|	|	|	3.08
223.667	0.00	0.46	1.657	O	|	|	|	|	3.40	228.833	0.00	0.44	1.466	O	|	|	|	|	3.08
223.750	0.00	0.46	1.654	O	|	|	|	|	3.40	228.917	0.00	0.44	1.463	O	|	|	|	|	3.07
223.833	0.00	0.46	1.651	O	|	|	|	|	3.39	229.000	0.00	0.43	1.460	O	|	|	|	|	3.07
223.917	0.00	0.46	1.648	O	|	|	|	|	3.39	229.083	0.00	0.43	1.457	O	|	|	|	|	3.06
224.000	0.00	0.46	1.644	O	|	|	|	|	3.38	229.167	0.00	0.43	1.454	O	|	|	|	|	3.06
224.083	0.00	0.46	1.641	O	|	|	|	|	3.38	229.250	0.00	0.43	1.451	O	|	|	|	|	3.05
224.167	0.00	0.46	1.638	O	|	|	|	|	3.37	229.333	0.00	0.43	1.448	O	|	|	|	|	3.05
224.250	0.00	0.46	1.635	O	|	|	|	|	3.36	229.417	0.00	0.43	1.445	O	|	|	|	|	3.04
224.333	0.00	0.46	1.632	O	|	|	|	|	3.36	229.500	0.00	0.43	1.442	O	|	|	|	|	3.04
224.417	0.00	0.45	1.629	O	|	|	|	|	3.35	229.583	0.00	0.43	1.439	O	|	|	|	|	3.03
224.500	0.00	0.45	1.626	O	|	|	|	|	3.35	229.667	0.00	0.43	1.436	O	|	|	|	|	3.03
224.583	0.00	0.45	1.622	O	|	|	|	|	3.34	229.750	0.00	0.43	1.433	O	|	|	|	|	3.02
224.667	0.00	0.45	1.619	O	|	|	|	|	3.34	229.833	0.00	0.43	1.430	O	|	|	|	|	3.02
224.750	0.00	0.45	1.616	O	|	|	|	|	3.33	229.917	0.00	0.43	1.427	O	|	|	|	|	3.01
224.833	0.00	0.45	1.613	O	|	|	|	|	3.33	230.000	0.00	0.43	1.424	O	|	|	|	|	3.01
224.917	0.00	0.45	1.610	O	|	|	|	|	3.32	230.083	0.00	0.43	1.422	O	|	|	|	|	3.00
225.000	0.00	0.45	1.607	O	|	|	|	|	3.32	230.167	0.00	0.43	1.419	O	|	|	|	|	3.00
225.083	0.00	0.45	1.604	O	|	|	|	|	3.31	230.250	0.00	0.43	1.416	O	|	|	|	|	2.99
225.167	0.00	0.45	1.601	O	|	|	|	|	3.31	230.333	0.00	0.43	1.413	O	|	|	|	|	2.99
225.250	0.00	0.45	1.598	O	|	|	|	|	3.30	230.417	0.00	0.43	1.410	O	|	|	|	|	2.98
225.333	0.00	0.45	1.594	O	|	|	|	|	3.30	230.500	0.00	0.43	1.407	O	|	|	|	|	2.98
225.417	0.00	0.45	1.591	O	|	|	|	|	3.29	230.583	0.00	0.43	1.404	O	|	|	|	|	2.97
225.500	0.00	0.45	1.588	O	|	|	|	|	3.29	230.667	0.00	0.43	1.401	O	|	|	|	|	2.96
225.583	0.00	0.45	1.585	O	|	|	|	|	3.28	230.750	0.00	0.43	1.398	O	|	|	|	|	2.96
225.667	0.00	0.45	1.582	O	|	|	|	|	3.28	230.833	0.00	0.43	1.395	O	|	|	|	|	2.95
225.750	0.00	0.45	1.579	O	|	|	|	|	3.27	230.917	0.00	0.42	1.392	O	|	|	|	|	2.95
225.833	0.00	0.45	1.576	O	|	|	|	|	3.26	231.000	0.00	0.42	1.389	O	|	|	|	|	2.94
225.917	0.00	0.45	1.573	O	|	|	|	|	3.26	231.083	0.00	0.42	1.386	O	|	|	|	|	2.93
226.000	0.00	0.45	1.570	O	|	|	|	|	3.25	231.167	0.00	0.42	1.383	O	|	|	|	|	2.93
226.083	0.00	0.45	1.567	O	|	|	|	|	3.25	231.250	0.00	0.42	1.380	O	|	|	|	|	2.92
226.167	0.00	0.45	1.563	O	|	|	|	|	3.24	231.333	0.00	0.42	1.377	O	|	|	|	|	2.92
226.250	0.00	0.45	1.560	O	|	|	|	|	3.24	231.417	0.00	0.42	1.375	O	|	|	|	|	2.91
226.333	0.00	0.45	1.557	O	|	|	|	|	3.23	231.500	0.00	0.42	1.372	O	|	|	|	|	2.91
226.417	0.00	0.45	1.554	O	|	|	|	|	3.23	231.583	0.00	0.42	1.369	O	|	|	|	|	2.90
226.500	0.00	0.45	1.551	O	|	|	|	|	3.22	231.667	0.00	0.42	1.366	O	|	|	|	|	2.89
226.583	0.00	0.45	1.548	O	|	|	|	|	3.22	231.750	0.00	0.42	1.363	O	|	|	|	|	2.89
226.667	0.00	0.44	1.545	O	|	|	|	|	3.21	231.833	0.00	0.42	1.360	O	|	|	|	|	2.88
226.750	0.00	0.44	1.542	O	|	|	|	|	3.21	231.917	0.00	0.42	1.357	O	|	|	|	|	2.88
226.833	0.00	0.44	1.539	O	|	|	|	|	3.20	232.000	0.00	0.42	1.354	O	|	|	|	|	2.87
226.917	0.00	0.44	1.536	O	|	|	|	|	3.20	232.083	0.00	0.42	1.351	O	|	|	|	|	2.87
227.000	0.00	0.44	1.533	O	|	|	|	|	3.19	232.167	0.00	0.42	1.349	O	|	|	|	|	2.86
227.083	0.00	0.44	1.530	O	|	|	|	|	3.19	232.250	0.00	0.42	1.346	O	|	|	|	|	2.85
227.167	0.00	0.44	1.527	O	|	|	|	|	3.18	232.333	0.00	0.42	1.343	O	|	|	|	|	2.85
227.250	0.00	0.44	1.524	O	|	|	|	|	3.18	232.417	0.00	0.42	1.340	O	|	|	|	|	2.84
227.333	0.00	0.44	1.521	O	|	|	|	|	3.17	232.500	0.00	0.41	1.337	O	|	|	|	|	2.84
227.417	0.00	0.44	1.518	O	|	|	|	|	3.17	232.583	0.00	0.41	1.334	O	|	|	|	|	2.83

232.667	0.00	0.41	1.331	O	|	|	|	|	2.83	237.833	0.00	0.38	1.162	O	|	|	|	|	2.49
232.750	0.00	0.41	1.329	O	|	|	|	|	2.82	237.917	0.00	0.38	1.159	O	|	|	|	|	2.48
232.833	0.00	0.41	1.326	O	|	|	|	|	2.81	238.000	0.00	0.38	1.157	O	|	|	|	|	2.48
232.917	0.00	0.41	1.323	O	|	|	|	|	2.81	238.083	0.00	0.38	1.154	O	|	|	|	|	2.47
233.000	0.00	0.41	1.320	O	|	|	|	|	2.80	238.167	0.00	0.38	1.151	O	|	|	|	|	2.47
233.083	0.00	0.41	1.317	O	|	|	|	|	2.80	238.250	0.00	0.38	1.149	O	|	|	|	|	2.46
233.167	0.00	0.41	1.314	O	|	|	|	|	2.79	238.333	0.00	0.38	1.146	O	|	|	|	|	2.46
233.250	0.00	0.41	1.312	O	|	|	|	|	2.79	238.417	0.00	0.38	1.144	O	|	|	|	|	2.45
233.333	0.00	0.41	1.309	O	|	|	|	|	2.78	238.500	0.00	0.38	1.141	O	|	|	|	|	2.45
233.417	0.00	0.41	1.306	O	|	|	|	|	2.77	238.583	0.00	0.38	1.138	O	|	|	|	|	2.44
233.500	0.00	0.41	1.303	O	|	|	|	|	2.77	238.667	0.00	0.38	1.136	O	|	|	|	|	2.43
233.583	0.00	0.41	1.300	O	|	|	|	|	2.76	238.750	0.00	0.38	1.133	O	|	|	|	|	2.43
233.667	0.00	0.41	1.298	O	|	|	|	|	2.76	238.833	0.00	0.38	1.131	O	|	|	|	|	2.42
233.750	0.00	0.41	1.295	O	|	|	|	|	2.75	238.917	0.00	0.37	1.128	O	|	|	|	|	2.42
233.833	0.00	0.41	1.292	O	|	|	|	|	2.75	239.000	0.00	0.37	1.125	O	|	|	|	|	2.41
233.917	0.00	0.41	1.289	O	|	|	|	|	2.74	239.083	0.00	0.37	1.123	O	|	|	|	|	2.41
234.000	0.00	0.40	1.286	O	|	|	|	|	2.74	239.167	0.00	0.37	1.120	O	|	|	|	|	2.40
234.083	0.00	0.40	1.284	O	|	|	|	|	2.73	239.250	0.00	0.37	1.118	O	|	|	|	|	2.40
234.167	0.00	0.40	1.281	O	|	|	|	|	2.72	239.333	0.00	0.37	1.115	O	|	|	|	|	2.39
234.250	0.00	0.40	1.278	O	|	|	|	|	2.72	239.417	0.00	0.37	1.113	O	|	|	|	|	2.39
234.333	0.00	0.40	1.275	O	|	|	|	|	2.71	239.500	0.00	0.37	1.110	O	|	|	|	|	2.38
234.417	0.00	0.40	1.272	O	|	|	|	|	2.71	239.583	0.00	0.37	1.107	O	|	|	|	|	2.38
234.500	0.00	0.40	1.270	O	|	|	|	|	2.70	239.667	0.00	0.37	1.105	O	|	|	|	|	2.37
234.583	0.00	0.40	1.267	O	|	|	|	|	2.70	239.750	0.00	0.37	1.102	O	|	|	|	|	2.37
234.667	0.00	0.40	1.264	O	|	|	|	|	2.69	239.833	0.00	0.37	1.100	O	|	|	|	|	2.36
234.750	0.00	0.40	1.261	O	|	|	|	|	2.69	239.917	0.00	0.37	1.097	O	|	|	|	|	2.36
234.833	0.00	0.40	1.259	O	|	|	|	|	2.68	240.000	0.00	0.37	1.095	O	|	|	|	|	2.35
234.917	0.00	0.40	1.256	O	|	|	|	|	2.67	240.083	0.00	0.37	1.092	O	|	|	|	|	2.35
235.000	0.00	0.40	1.253	O	|	|	|	|	2.67	240.167	0.00	0.37	1.090	O	|	|	|	|	2.34
235.083	0.00	0.40	1.250	O	|	|	|	|	2.66	240.250	0.00	0.37	1.087	O	|	|	|	|	2.34
235.167	0.00	0.40	1.248	O	|	|	|	|	2.66	240.333	0.00	0.37	1.085	O	|	|	|	|	2.33
235.250	0.00	0.40	1.245	O	|	|	|	|	2.65	240.417	0.00	0.37	1.082	O	|	|	|	|	2.33
235.333	0.00	0.40	1.242	O	|	|	|	|	2.65	240.500	0.00	0.37	1.080	O	|	|	|	|	2.32
235.417	0.00	0.40	1.239	O	|	|	|	|	2.64	240.583	0.00	0.37	1.077	O	|	|	|	|	2.32
235.500	0.00	0.40	1.237	O	|	|	|	|	2.64	240.667	0.00	0.36	1.075	O	|	|	|	|	2.31
235.583	0.00	0.39	1.234	O	|	|	|	|	2.63	240.750	0.00	0.36	1.072	O	|	|	|	|	2.31
235.667	0.00	0.39	1.231	O	|	|	|	|	2.63	240.833	0.00	0.36	1.070	O	|	|	|	|	2.30
235.750	0.00	0.39	1.229	O	|	|	|	|	2.62	240.917	0.00	0.36	1.067	O	|	|	|	|	2.30
235.833	0.00	0.39	1.226	O	|	|	|	|	2.61	241.000	0.00	0.36	1.065	O	|	|	|	|	2.29
235.917	0.00	0.39	1.223	O	|	|	|	|	2.61	241.083	0.00	0.36	1.062	O	|	|	|	|	2.29
236.000	0.00	0.39	1.220	O	|	|	|	|	2.60	241.167	0.00	0.36	1.060	O	|	|	|	|	2.28
236.083	0.00	0.39	1.218	O	|	|	|	|	2.60	241.250	0.00	0.36	1.057	O	|	|	|	|	2.28
236.167	0.00	0.39	1.215	O	|	|	|	|	2.59	241.333	0.00	0.36	1.055	O	|	|	|	|	2.27
236.250	0.00	0.39	1.212	O	|	|	|	|	2.59	241.417	0.00	0.36	1.052	O	|	|	|	|	2.27
236.333	0.00	0.39	1.210	O	|	|	|	|	2.58	241.500	0.00	0.36	1.050	O	|	|	|	|	2.26
236.417	0.00	0.39	1.207	O	|	|	|	|	2.58	241.583	0.00	0.36	1.047	O	|	|	|	|	2.26
236.500	0.00	0.39	1.204	O	|	|	|	|	2.57	241.667	0.00	0.36	1.045	O	|	|	|	|	2.25
236.583	0.00	0.39	1.202	O	|	|	|	|	2.57	241.750	0.00	0.36	1.042	O	|	|	|	|	2.25
236.667	0.00	0.39	1.199	O	|	|	|	|	2.56	241.833	0.00	0.36	1.040	O	|	|	|	|	2.24
236.750	0.00	0.39	1.196	O	|	|	|	|	2.56	241.917	0.00	0.36	1.037	O	|	|	|	|	2.24
236.833	0.00	0.39	1.194	O	|	|	|	|	2.55	242.000	0.00	0.36	1.035	O	|	|	|	|	2.23
236.917	0.00	0.39	1.191	O	|	|	|	|	2.54	242.083	0.00	0.36	1.032	O	|	|	|	|	2.23
237.000	0.00	0.39	1.188	O	|	|	|	|	2.54	242.167	0.00	0.36	1.030	O	|	|	|	|	2.22
237.083	0.00	0.39	1.186	O	|	|	|	|	2.53	242.250	0.00	0.36	1.027	O	|	|	|	|	2.22
237.167	0.00	0.39	1.183	O	|	|	|	|	2.53	242.333	0.00	0.36	1.025	O	|	|	|	|	2.21
237.250	0.00	0.38	1.180	O	|	|	|	|	2.52	242.417	0.00	0.35	1.023	O	|	|	|	|	2.21
237.333	0.00	0.38	1.178	O	|	|	|	|	2.52	242.500	0.00	0.35	1.020	O	|	|	|	|	2.20
237.417	0.00	0.38	1.175	O	|	|	|	|	2.51	242.583	0.00	0.35	1.018	O	|	|	|	|	2.20
237.500	0.00	0.38	1.172	O	|	|	|	|	2.51	242.667	0.00	0.35	1.015	O	|	|	|	|	2.19
237.583	0.00	0.38	1.170	O	|	|	|	|	2.50	242.750	0.00	0.35	1.013	O	|	|	|	|	2.19
237.667	0.00	0.38	1.167	O	|	|	|	|	2.50	242.833	0.00	0.35	1.010	O	|	|	|	|	2.18
237.750	0.00	0.38	1.165	O	|	|	|	|	2.49	242.917	0.00	0.35	1.008	O	|	|	|	|	2.18

243.000	0.00	0.35	1.006	O	|	|	|	|	2.17	248.167	0.00	0.32	0.861	O	|	|	|	|	1.89
243.083	0.00	0.35	1.003	O	|	|	|	|	2.17	248.250	0.00	0.32	0.859	O	|	|	|	|	1.88
243.167	0.00	0.35	1.001	O	|	|	|	|	2.17	248.333	0.00	0.32	0.857	O	|	|	|	|	1.88
243.250	0.00	0.35	0.998	O	|	|	|	|	2.16	248.417	0.00	0.32	0.855	O	|	|	|	|	1.87
243.333	0.00	0.35	0.996	O	|	|	|	|	2.16	248.500	0.00	0.32	0.852	O	|	|	|	|	1.87
243.417	0.00	0.35	0.993	O	|	|	|	|	2.15	248.583	0.00	0.32	0.850	O	|	|	|	|	1.86
243.500	0.00	0.35	0.991	O	|	|	|	|	2.15	248.667	0.00	0.32	0.848	O	|	|	|	|	1.86
243.583	0.00	0.35	0.989	O	|	|	|	|	2.14	248.750	0.00	0.32	0.846	O	|	|	|	|	1.86
243.667	0.00	0.35	0.986	O	|	|	|	|	2.14	248.833	0.00	0.32	0.844	O	|	|	|	|	1.85
243.750	0.00	0.35	0.984	O	|	|	|	|	2.13	248.917	0.00	0.32	0.841	O	|	|	|	|	1.85
243.833	0.00	0.35	0.981	O	|	|	|	|	2.13	249.000	0.00	0.32	0.839	O	|	|	|	|	1.84
243.917	0.00	0.35	0.979	O	|	|	|	|	2.12	249.083	0.00	0.32	0.837	O	|	|	|	|	1.84
244.000	0.00	0.35	0.977	O	|	|	|	|	2.12	249.167	0.00	0.32	0.835	O	|	|	|	|	1.83
244.083	0.00	0.35	0.974	O	|	|	|	|	2.11	249.250	0.00	0.32	0.833	O	|	|	|	|	1.83
244.167	0.00	0.35	0.972	O	|	|	|	|	2.11	249.333	0.00	0.32	0.830	O	|	|	|	|	1.82
244.250	0.00	0.34	0.970	O	|	|	|	|	2.10	249.417	0.00	0.32	0.828	O	|	|	|	|	1.82
244.333	0.00	0.34	0.967	O	|	|	|	|	2.10	249.500	0.00	0.32	0.826	O	|	|	|	|	1.82
244.417	0.00	0.34	0.965	O	|	|	|	|	2.09	249.583	0.00	0.32	0.824	O	|	|	|	|	1.81
244.500	0.00	0.34	0.962	O	|	|	|	|	2.09	249.667	0.00	0.32	0.822	O	|	|	|	|	1.81
244.583	0.00	0.34	0.960	O	|	|	|	|	2.08	249.750	0.00	0.32	0.819	O	|	|	|	|	1.80
244.667	0.00	0.34	0.958	O	|	|	|	|	2.08	249.833	0.00	0.32	0.817	O	|	|	|	|	1.80
244.750	0.00	0.34	0.955	O	|	|	|	|	2.07	249.917	0.00	0.32	0.815	O	|	|	|	|	1.79
244.833	0.00	0.34	0.953	O	|	|	|	|	2.07	250.000	0.00	0.32	0.813	O	|	|	|	|	1.79
244.917	0.00	0.34	0.951	O	|	|	|	|	2.07	250.083	0.00	0.31	0.811	O	|	|	|	|	1.79
245.000	0.00	0.34	0.948	O	|	|	|	|	2.06	250.167	0.00	0.31	0.809	O	|	|	|	|	1.78
245.083	0.00	0.34	0.946	O	|	|	|	|	2.06	250.250	0.00	0.31	0.806	O	|	|	|	|	1.78
245.167	0.00	0.34	0.944	O	|	|	|	|	2.05	250.333	0.00	0.31	0.804	O	|	|	|	|	1.77
245.250	0.00	0.34	0.941	O	|	|	|	|	2.05	250.417	0.00	0.31	0.802	O	|	|	|	|	1.77
245.333	0.00	0.34	0.939	O	|	|	|	|	2.04	250.500	0.00	0.31	0.800	O	|	|	|	|	1.76
245.417	0.00	0.34	0.937	O	|	|	|	|	2.04	250.583	0.00	0.31	0.798	O	|	|	|	|	1.76
245.500	0.00	0.34	0.934	O	|	|	|	|	2.03	250.667	0.00	0.31	0.796	O	|	|	|	|	1.76
245.583	0.00	0.34	0.932	O	|	|	|	|	2.03	250.750	0.00	0.31	0.793	O	|	|	|	|	1.75
245.667	0.00	0.34	0.930	O	|	|	|	|	2.02	250.833	0.00	0.31	0.791	O	|	|	|	|	1.75
245.750	0.00	0.34	0.927	O	|	|	|	|	2.02	250.917	0.00	0.31	0.789	O	|	|	|	|	1.74
245.833	0.00	0.34	0.925	O	|	|	|	|	2.01	251.000	0.00	0.31	0.787	O	|	|	|	|	1.74
245.917	0.00	0.34	0.923	O	|	|	|	|	2.01	251.083	0.00	0.31	0.785	O	|	|	|	|	1.73
246.000	0.00	0.34	0.920	O	|	|	|	|	2.00	251.167	0.00	0.31	0.783	O	|	|	|	|	1.73
246.083	0.00	0.34	0.918	O	|	|	|	|	2.00	251.250	0.00	0.31	0.781	O	|	|	|	|	1.73
246.167	0.00	0.33	0.916	O	|	|	|	|	2.00	251.333	0.00	0.31	0.779	O	|	|	|	|	1.72
246.250	0.00	0.33	0.913	O	|	|	|	|	1.99	251.417	0.00	0.31	0.776	O	|	|	|	|	1.72
246.333	0.00	0.33	0.911	O	|	|	|	|	1.99	251.500	0.00	0.31	0.774	O	|	|	|	|	1.71
246.417	0.00	0.33	0.909	O	|	|	|	|	1.98	251.583	0.00	0.31	0.772	O	|	|	|	|	1.71
246.500	0.00	0.33	0.907	O	|	|	|	|	1.98	251.667	0.00	0.31	0.770	O	|	|	|	|	1.70
246.583	0.00	0.33	0.904	O	|	|	|	|	1.97	251.750	0.00	0.31	0.768	O	|	|	|	|	1.70
246.667	0.00	0.33	0.902	O	|	|	|	|	1.97	251.833	0.00	0.31	0.766	O	|	|	|	|	1.70
246.750	0.00	0.33	0.900	O	|	|	|	|	1.96	251.917	0.00	0.31	0.764	O	|	|	|	|	1.69
246.833	0.00	0.33	0.897	O	|	|	|	|	1.96	252.000	0.00	0.31	0.762	O	|	|	|	|	1.69
246.917	0.00	0.33	0.895	O	|	|	|	|	1.95	252.083	0.00	0.30	0.759	O	|	|	|	|	1.68
247.000	0.00	0.33	0.893	O	|	|	|	|	1.95	252.167	0.00	0.30	0.757	O	|	|	|	|	1.68
247.083	0.00	0.33	0.891	O	|	|	|	|	1.95	252.250	0.00	0.30	0.755	O	|	|	|	|	1.68
247.167	0.00	0.33	0.888	O	|	|	|	|	1.94	252.333	0.00	0.30	0.753	O	|	|	|	|	1.67
247.250	0.00	0.33	0.886	O	|	|	|	|	1.94	252.417	0.00	0.30	0.751	O	|	|	|	|	1.67
247.333	0.00	0.33	0.884	O	|	|	|	|	1.93	252.500	0.00	0.30	0.749	O	|	|	|	|	1.66
247.417	0.00	0.33	0.882	O	|	|	|	|	1.93	252.583	0.00	0.30	0.747	O	|	|	|	|	1.66
247.500	0.00	0.33	0.879	O	|	|	|	|	1.92	252.667	0.00	0.30	0.745	O	|	|	|	|	1.65
247.583	0.00	0.33	0.877	O	|	|	|	|	1.92	252.750	0.00	0.30	0.743	O	|	|	|	|	1.65
247.667	0.00	0.33	0.875	O	|	|	|	|	1.91	252.833	0.00	0.30	0.741	O	|	|	|	|	1.65
247.750	0.00	0.33	0.872	O	|	|	|	|	1.91	252.917	0.00	0.30	0.739	O	|	|	|	|	1.64
247.833	0.00	0.33	0.870	O	|	|	|	|	1.90	253.000	0.00	0.30	0.737	O	|	|	|	|	1.64
247.917	0.00	0.33	0.868	O	|	|	|	|	1.90	253.083	0.00	0.30	0.734	O	|	|	|	|	1.63
248.000	0.00	0.33	0.866	O	|	|	|	|	1.90	253.167	0.00	0.30	0.732	O	|	|	|	|	1.63
248.083	0.00	0.32	0.864	O	|	|	|	|	1.89	253.250	0.00	0.30	0.730	O	|	|	|	|	1.63

253.333	0.00	0.30	0.728	O	|	|	|	|	1.62	258.500	0.00	0.28	0.606	O	|	|	|	|	1.38
253.417	0.00	0.30	0.726	O	|	|	|	|	1.62	258.583	0.00	0.28	0.604	O	|	|	|	|	1.37
253.500	0.00	0.30	0.724	O	|	|	|	|	1.61	258.667	0.00	0.28	0.602	O	|	|	|	|	1.37
253.583	0.00	0.30	0.722	O	|	|	|	|	1.61	258.750	0.00	0.27	0.600	O	|	|	|	|	1.37
253.667	0.00	0.30	0.720	O	|	|	|	|	1.60	258.833	0.00	0.27	0.598	O	|	|	|	|	1.36
253.750	0.00	0.30	0.718	O	|	|	|	|	1.60	258.917	0.00	0.27	0.596	O	|	|	|	|	1.36
253.833	0.00	0.30	0.716	O	|	|	|	|	1.60	259.000	0.00	0.27	0.594	O	|	|	|	|	1.35
253.917	0.00	0.30	0.714	O	|	|	|	|	1.59	259.083	0.00	0.27	0.592	O	|	|	|	|	1.35
254.000	0.00	0.30	0.712	O	|	|	|	|	1.59	259.167	0.00	0.27	0.591	O	|	|	|	|	1.35
254.083	0.00	0.30	0.710	O	|	|	|	|	1.58	259.250	0.00	0.27	0.589	O	|	|	|	|	1.34
254.167	0.00	0.30	0.708	O	|	|	|	|	1.58	259.333	0.00	0.27	0.587	O	|	|	|	|	1.34
254.250	0.00	0.29	0.706	O	|	|	|	|	1.58	259.417	0.00	0.27	0.585	O	|	|	|	|	1.34
254.333	0.00	0.29	0.704	O	|	|	|	|	1.57	259.500	0.00	0.27	0.583	O	|	|	|	|	1.33
254.417	0.00	0.29	0.702	O	|	|	|	|	1.57	259.583	0.00	0.27	0.581	O	|	|	|	|	1.33
254.500	0.00	0.29	0.700	O	|	|	|	|	1.56	259.667	0.00	0.27	0.579	O	|	|	|	|	1.32
254.583	0.00	0.29	0.698	O	|	|	|	|	1.56	259.750	0.00	0.27	0.577	O	|	|	|	|	1.32
254.667	0.00	0.29	0.696	O	|	|	|	|	1.56	259.833	0.00	0.27	0.576	O	|	|	|	|	1.32
254.750	0.00	0.29	0.694	O	|	|	|	|	1.55	259.917	0.00	0.27	0.574	O	|	|	|	|	1.31
254.833	0.00	0.29	0.692	O	|	|	|	|	1.55	260.000	0.00	0.27	0.572	O	|	|	|	|	1.31
254.917	0.00	0.29	0.690	O	|	|	|	|	1.54	260.083	0.00	0.27	0.570	O	|	|	|	|	1.31
255.000	0.00	0.29	0.688	O	|	|	|	|	1.54	260.167	0.00	0.27	0.568	O	|	|	|	|	1.30
255.083	0.00	0.29	0.686	O	|	|	|	|	1.54	260.250	0.00	0.27	0.566	O	|	|	|	|	1.30
255.167	0.00	0.29	0.684	O	|	|	|	|	1.53	260.333	0.00	0.27	0.564	O	|	|	|	|	1.29
255.250	0.00	0.29	0.682	O	|	|	|	|	1.53	260.417	0.00	0.27	0.563	O	|	|	|	|	1.29
255.333	0.00	0.29	0.680	O	|	|	|	|	1.52	260.500	0.00	0.27	0.561	O	|	|	|	|	1.29
255.417	0.00	0.29	0.678	O	|	|	|	|	1.52	260.583	0.00	0.27	0.559	O	|	|	|	|	1.28
255.500	0.00	0.29	0.676	O	|	|	|	|	1.52	260.667	0.00	0.27	0.557	O	|	|	|	|	1.28
255.583	0.00	0.29	0.674	O	|	|	|	|	1.51	260.750	0.00	0.27	0.555	O	|	|	|	|	1.28
255.667	0.00	0.29	0.672	O	|	|	|	|	1.51	260.833	0.00	0.27	0.553	O	|	|	|	|	1.27
255.750	0.00	0.29	0.670	O	|	|	|	|	1.50	260.917	0.00	0.27	0.552	O	|	|	|	|	1.27
255.833	0.00	0.29	0.668	O	|	|	|	|	1.50	261.000	0.00	0.27	0.550	O	|	|	|	|	1.27
255.917	0.00	0.29	0.666	O	|	|	|	|	1.50	261.083	0.00	0.26	0.548	O	|	|	|	|	1.26
256.000	0.00	0.29	0.664	O	|	|	|	|	1.49	261.167	0.00	0.26	0.546	O	|	|	|	|	1.26
256.083	0.00	0.29	0.662	O	|	|	|	|	1.49	261.250	0.00	0.26	0.544	O	|	|	|	|	1.25
256.167	0.00	0.29	0.660	O	|	|	|	|	1.48	261.333	0.00	0.26	0.542	O	|	|	|	|	1.25
256.250	0.00	0.29	0.658	O	|	|	|	|	1.48	261.417	0.00	0.26	0.541	O	|	|	|	|	1.25
256.333	0.00	0.29	0.656	O	|	|	|	|	1.48	261.500	0.00	0.26	0.539	O	|	|	|	|	1.24
256.417	0.00	0.28	0.654	O	|	|	|	|	1.47	261.583	0.00	0.26	0.537	O	|	|	|	|	1.24
256.500	0.00	0.28	0.652	O	|	|	|	|	1.47	261.667	0.00	0.26	0.535	O	|	|	|	|	1.24
256.583	0.00	0.28	0.650	O	|	|	|	|	1.47	261.750	0.00	0.26	0.533	O	|	|	|	|	1.23
256.667	0.00	0.28	0.648	O	|	|	|	|	1.46	261.833	0.00	0.26	0.532	O	|	|	|	|	1.23
256.750	0.00	0.28	0.646	O	|	|	|	|	1.46	261.917	0.00	0.26	0.530	O	|	|	|	|	1.23
256.833	0.00	0.28	0.644	O	|	|	|	|	1.45	262.000	0.00	0.26	0.528	O	|	|	|	|	1.22
256.917	0.00	0.28	0.642	O	|	|	|	|	1.45	262.083	0.00	0.26	0.526	O	|	|	|	|	1.22
257.000	0.00	0.28	0.640	O	|	|	|	|	1.45	262.167	0.00	0.26	0.524	O	|	|	|	|	1.21
257.083	0.00	0.28	0.638	O	|	|	|	|	1.44	262.250	0.00	0.26	0.523	O	|	|	|	|	1.21
257.167	0.00	0.28	0.636	O	|	|	|	|	1.44	262.333	0.00	0.26	0.521	O	|	|	|	|	1.21
257.250	0.00	0.28	0.634	O	|	|	|	|	1.43	262.417	0.00	0.26	0.519	O	|	|	|	|	1.20
257.333	0.00	0.28	0.632	O	|	|	|	|	1.43	262.500	0.00	0.26	0.517	O	|	|	|	|	1.20
257.417	0.00	0.28	0.631	O	|	|	|	|	1.43	262.583	0.00	0.26	0.515	O	|	|	|	|	1.20
257.500	0.00	0.28	0.629	O	|	|	|	|	1.42	262.667	0.00	0.26	0.514	O	|	|	|	|	1.19
257.583	0.00	0.28	0.627	O	|	|	|	|	1.42	262.750	0.00	0.26	0.512	O	|	|	|	|	1.19
257.667	0.00	0.28	0.625	O	|	|	|	|	1.41	262.833	0.00	0.26	0.510	O	|	|	|	|	1.19
257.750	0.00	0.28	0.623	O	|	|	|	|	1.41	262.917	0.00	0.26	0.508	O	|	|	|	|	1.18
257.833	0.00	0.28	0.621	O	|	|	|	|	1.41	263.000	0.00	0.26	0.507	O	|	|	|	|	1.18
257.917	0.00	0.28	0.619	O	|	|	|	|	1.40	263.083	0.00	0.26	0.505	O	|	|	|	|	1.18
258.000	0.00	0.28	0.617	O	|	|	|	|	1.40	263.167	0.00	0.26	0.503	O	|	|	|	|	1.17
258.083	0.00	0.28	0.615	O	|	|	|	|	1.40	263.250	0.00	0.26	0.501	O	|	|	|	|	1.17
258.167	0.00	0.28	0.613	O	|	|	|	|	1.39	263.333	0.00	0.26	0.500	O	|	|	|	|	1.16
258.250	0.00	0.28	0.611	O	|	|	|	|	1.39	263.417	0.00	0.26	0.498	O	|	|	|	|	1.16
258.333	0.00	0.28	0.609	O	|	|	|	|	1.38	263.500	0.00	0.25	0.496	O	|	|	|	|	1.16
258.417	0.00	0.28	0.608	O	|	|	|	|	1.38	263.583	0.00	0.25	0.494	O	|	|	|	|	1.15

263.667	0.00	0.25	0.493	O	|	|	|	|	1.15	268.833	0.00	0.22	0.389	O	|	|	|	|	0.93
263.750	0.00	0.25	0.491	O	|	|	|	|	1.15	268.917	0.00	0.22	0.387	O	|	|	|	|	0.93
263.833	0.00	0.25	0.489	O	|	|	|	|	1.14	269.000	0.00	0.22	0.386	O	|	|	|	|	0.93
263.917	0.00	0.25	0.487	O	|	|	|	|	1.14	269.083	0.00	0.22	0.384	O	|	|	|	|	0.92
264.000	0.00	0.25	0.486	O	|	|	|	|	1.14	269.167	0.00	0.22	0.383	O	|	|	|	|	0.92
264.083	0.00	0.25	0.484	O	|	|	|	|	1.13	269.250	0.00	0.22	0.381	O	|	|	|	|	0.91
264.167	0.00	0.25	0.482	O	|	|	|	|	1.13	269.333	0.00	0.22	0.380	O	|	|	|	|	0.91
264.250	0.00	0.25	0.480	O	|	|	|	|	1.13	269.417	0.00	0.22	0.378	O	|	|	|	|	0.91
264.333	0.00	0.25	0.479	O	|	|	|	|	1.12	269.500	0.00	0.22	0.377	O	|	|	|	|	0.90
264.417	0.00	0.25	0.477	O	|	|	|	|	1.12	269.583	0.00	0.22	0.375	O	|	|	|	|	0.90
264.500	0.00	0.25	0.475	O	|	|	|	|	1.12	269.667	0.00	0.22	0.374	O	|	|	|	|	0.90
264.583	0.00	0.25	0.473	O	|	|	|	|	1.11	269.750	0.00	0.21	0.372	O	|	|	|	|	0.89
264.667	0.00	0.25	0.472	O	|	|	|	|	1.11	269.833	0.00	0.21	0.371	O	|	|	|	|	0.89
264.750	0.00	0.25	0.470	O	|	|	|	|	1.11	269.917	0.00	0.21	0.369	O	|	|	|	|	0.89
264.833	0.00	0.25	0.468	O	|	|	|	|	1.10	270.000	0.00	0.21	0.368	O	|	|	|	|	0.88
264.917	0.00	0.25	0.467	O	|	|	|	|	1.10	270.083	0.00	0.21	0.366	O	|	|	|	|	0.88
265.000	0.00	0.25	0.465	O	|	|	|	|	1.10	270.167	0.00	0.21	0.365	O	|	|	|	|	0.88
265.083	0.00	0.25	0.463	O	|	|	|	|	1.09	270.250	0.00	0.21	0.364	O	|	|	|	|	0.87
265.167	0.00	0.25	0.461	O	|	|	|	|	1.09	270.333	0.00	0.21	0.362	O	|	|	|	|	0.87
265.250	0.00	0.25	0.460	O	|	|	|	|	1.09	270.417	0.00	0.21	0.361	O	|	|	|	|	0.86
265.333	0.00	0.25	0.458	O	|	|	|	|	1.08	270.500	0.00	0.21	0.359	O	|	|	|	|	0.86
265.417	0.00	0.25	0.456	O	|	|	|	|	1.08	270.583	0.00	0.21	0.358	O	|	|	|	|	0.86
265.500	0.00	0.25	0.455	O	|	|	|	|	1.07	270.667	0.00	0.21	0.356	O	|	|	|	|	0.85
265.583	0.00	0.25	0.453	O	|	|	|	|	1.07	270.750	0.00	0.20	0.355	O	|	|	|	|	0.85
265.667	0.00	0.25	0.451	O	|	|	|	|	1.07	270.833	0.00	0.20	0.354	O	|	|	|	|	0.85
265.750	0.00	0.25	0.449	O	|	|	|	|	1.06	270.917	0.00	0.20	0.352	O	|	|	|	|	0.84
265.833	0.00	0.25	0.448	O	|	|	|	|	1.06	271.000	0.00	0.20	0.351	O	|	|	|	|	0.84
265.917	0.00	0.25	0.446	O	|	|	|	|	1.06	271.083	0.00	0.20	0.349	O	|	|	|	|	0.84
266.000	0.00	0.25	0.444	O	|	|	|	|	1.05	271.167	0.00	0.20	0.348	O	|	|	|	|	0.83
266.083	0.00	0.24	0.443	O	|	|	|	|	1.05	271.250	0.00	0.20	0.347	O	|	|	|	|	0.83
266.167	0.00	0.24	0.441	O	|	|	|	|	1.05	271.333	0.00	0.20	0.345	O	|	|	|	|	0.83
266.250	0.00	0.24	0.439	O	|	|	|	|	1.04	271.417	0.00	0.20	0.344	O	|	|	|	|	0.82
266.333	0.00	0.24	0.438	O	|	|	|	|	1.04	271.500	0.00	0.20	0.343	O	|	|	|	|	0.82
266.417	0.00	0.24	0.436	O	|	|	|	|	1.04	271.583	0.00	0.20	0.341	O	|	|	|	|	0.82
266.500	0.00	0.24	0.434	O	|	|	|	|	1.03	271.667	0.00	0.20	0.340	O	|	|	|	|	0.81
266.583	0.00	0.24	0.433	O	|	|	|	|	1.03	271.750	0.00	0.19	0.339	O	|	|	|	|	0.81
266.667	0.00	0.24	0.431	O	|	|	|	|	1.03	271.833	0.00	0.19	0.337	O	|	|	|	|	0.81
266.750	0.00	0.24	0.429	O	|	|	|	|	1.02	271.917	0.00	0.19	0.336	O	|	|	|	|	0.81
266.833	0.00	0.24	0.428	O	|	|	|	|	1.02	272.000	0.00	0.19	0.335	O	|	|	|	|	0.80
266.917	0.00	0.24	0.426	O	|	|	|	|	1.02	272.083	0.00	0.19	0.333	O	|	|	|	|	0.80
267.000	0.00	0.24	0.424	O	|	|	|	|	1.01	272.167	0.00	0.19	0.332	O	|	|	|	|	0.80
267.083	0.00	0.24	0.423	O	|	|	|	|	1.01	272.250	0.00	0.19	0.331	O	|	|	|	|	0.79
267.167	0.00	0.24	0.421	O	|	|	|	|	1.01	272.333	0.00	0.19	0.329	O	|	|	|	|	0.79
267.250	0.00	0.24	0.419	O	|	|	|	|	1.00	272.417	0.00	0.19	0.328	O	|	|	|	|	0.79
267.333	0.00	0.24	0.418	O	|	|	|	|	1.00	272.500	0.00	0.19	0.327	O	|	|	|	|	0.78
267.417	0.00	0.24	0.416	O	|	|	|	|	1.00	272.583	0.00	0.19	0.325	O	|	|	|	|	0.78
267.500	0.00	0.24	0.414	O	|	|	|	|	0.99	272.667	0.00	0.19	0.324	O	|	|	|	|	0.78
267.583	0.00	0.24	0.413	O	|	|	|	|	0.99	272.750	0.00	0.19	0.323	O	|	|	|	|	0.77
267.667	0.00	0.24	0.411	O	|	|	|	|	0.99	272.833	0.00	0.19	0.322	O	|	|	|	|	0.77
267.750	0.00	0.24	0.409	O	|	|	|	|	0.98	272.917	0.00	0.18	0.320	O	|	|	|	|	0.77
267.833	0.00	0.23	0.408	O	|	|	|	|	0.98	273.000	0.00	0.18	0.319	O	|	|	|	|	0.76
267.917	0.00	0.23	0.406	O	|	|	|	|	0.97	273.083	0.00	0.18	0.318	O	|	|	|	|	0.76
268.000	0.00	0.23	0.405	O	|	|	|	|	0.97	273.167	0.00	0.18	0.316	O	|	|	|	|	0.76
268.083	0.00	0.23	0.403	O	|	|	|	|	0.97	273.250	0.00	0.18	0.315	O	|	|	|	|	0.76
268.167	0.00	0.23	0.401	O	|	|	|	|	0.96	273.333	0.00	0.18	0.314	O	|	|	|	|	0.75
268.250	0.00	0.23	0.400	O	|	|	|	|	0.96	273.417	0.00	0.18	0.313	O	|	|	|	|	0.75
268.333	0.00	0.23	0.398	O	|	|	|	|	0.96	273.500	0.00	0.18	0.311	O	|	|	|	|	0.75
268.417	0.00	0.23	0.397	O	|	|	|	|	0.95	273.583	0.00	0.18	0.310	O	|	|	|	|	0.74
268.500	0.00	0.23	0.395	O	|	|	|	|	0.95	273.667	0.00	0.18	0.309	O	|	|	|	|	0.74
268.583	0.00	0.23	0.394	O	|	|	|	|	0.94	273.750	0.00	0.18	0.308	O	|	|	|	|	0.74
268.667	0.00	0.23	0.392	O	|	|	|	|	0.94	273.833	0.00	0.18	0.307	O	|	|	|	|	0.74
268.750	0.00	0.22	0.390	O	|	|	|	|	0.94	273.917	0.00	0.18	0.305	O	|	|	|	|	0.73

274.000	0.00	0.18	0.304	O	|	|	|	|	0.73	279.167	0.00	0.14	0.238	O	|	|	|	|	0.57
274.083	0.00	0.17	0.303	O	|	|	|	|	0.73	279.250	0.00	0.14	0.237	O	|	|	|	|	0.57
274.167	0.00	0.17	0.302	O	|	|	|	|	0.72	279.333	0.00	0.14	0.236	O	|	|	|	|	0.57
274.250	0.00	0.17	0.301	O	|	|	|	|	0.72	279.417	0.00	0.14	0.235	O	|	|	|	|	0.56
274.333	0.00	0.17	0.299	O	|	|	|	|	0.72	279.500	0.00	0.13	0.234	O	|	|	|	|	0.56
274.417	0.00	0.17	0.298	O	|	|	|	|	0.72	279.583	0.00	0.13	0.233	O	|	|	|	|	0.56
274.500	0.00	0.17	0.297	O	|	|	|	|	0.71	279.667	0.00	0.13	0.232	O	|	|	|	|	0.56
274.583	0.00	0.17	0.296	O	|	|	|	|	0.71	279.750	0.00	0.13	0.231	O	|	|	|	|	0.55
274.667	0.00	0.17	0.295	O	|	|	|	|	0.71	279.833	0.00	0.13	0.230	O	|	|	|	|	0.55
274.750	0.00	0.17	0.293	O	|	|	|	|	0.70	279.917	0.00	0.13	0.230	O	|	|	|	|	0.55
274.833	0.00	0.17	0.292	O	|	|	|	|	0.70	280.000	0.00	0.13	0.229	O	|	|	|	|	0.55
274.917	0.00	0.17	0.291	O	|	|	|	|	0.70	280.083	0.00	0.13	0.228	O	|	|	|	|	0.55
275.000	0.00	0.17	0.290	O	|	|	|	|	0.70	280.167	0.00	0.13	0.227	O	|	|	|	|	0.54
275.083	0.00	0.17	0.289	O	|	|	|	|	0.69	280.250	0.00	0.13	0.226	O	|	|	|	|	0.54
275.167	0.00	0.17	0.288	O	|	|	|	|	0.69	280.333	0.00	0.13	0.225	O	|	|	|	|	0.54
275.250	0.00	0.16	0.287	O	|	|	|	|	0.69	280.417	0.00	0.13	0.224	O	|	|	|	|	0.54
275.333	0.00	0.16	0.285	O	|	|	|	|	0.68	280.500	0.00	0.13	0.223	O	|	|	|	|	0.54
275.417	0.00	0.16	0.284	O	|	|	|	|	0.68	280.583	0.00	0.13	0.222	O	|	|	|	|	0.53
275.500	0.00	0.16	0.283	O	|	|	|	|	0.68	280.667	0.00	0.13	0.221	O	|	|	|	|	0.53
275.583	0.00	0.16	0.282	O	|	|	|	|	0.68	280.750	0.00	0.13	0.221	O	|	|	|	|	0.53
275.667	0.00	0.16	0.281	O	|	|	|	|	0.67	280.833	0.00	0.13	0.220	O	|	|	|	|	0.53
275.750	0.00	0.16	0.280	O	|	|	|	|	0.67	280.917	0.00	0.13	0.219	O	|	|	|	|	0.52
275.833	0.00	0.16	0.279	O	|	|	|	|	0.67	281.000	0.00	0.13	0.218	O	|	|	|	|	0.52
275.917	0.00	0.16	0.278	O	|	|	|	|	0.67	281.083	0.00	0.12	0.217	O	|	|	|	|	0.52
276.000	0.00	0.16	0.277	O	|	|	|	|	0.66	281.167	0.00	0.12	0.216	O	|	|	|	|	0.52
276.083	0.00	0.16	0.275	O	|	|	|	|	0.66	281.250	0.00	0.12	0.215	O	|	|	|	|	0.52
276.167	0.00	0.16	0.274	O	|	|	|	|	0.66	281.333	0.00	0.12	0.215	O	|	|	|	|	0.51
276.250	0.00	0.16	0.273	O	|	|	|	|	0.66	281.417	0.00	0.12	0.214	O	|	|	|	|	0.51
276.333	0.00	0.16	0.272	O	|	|	|	|	0.65	281.500	0.00	0.12	0.213	O	|	|	|	|	0.51
276.417	0.00	0.16	0.271	O	|	|	|	|	0.65	281.583	0.00	0.12	0.212	O	|	|	|	|	0.51
276.500	0.00	0.16	0.270	O	|	|	|	|	0.65	281.667	0.00	0.12	0.211	O	|	|	|	|	0.51
276.583	0.00	0.15	0.269	O	|	|	|	|	0.65	281.750	0.00	0.12	0.210	O	|	|	|	|	0.50
276.667	0.00	0.15	0.268	O	|	|	|	|	0.64	281.833	0.00	0.12	0.210	O	|	|	|	|	0.50
276.750	0.00	0.15	0.267	O	|	|	|	|	0.64	281.917	0.00	0.12	0.209	O	|	|	|	|	0.50
276.833	0.00	0.15	0.266	O	|	|	|	|	0.64	282.000	0.00	0.12	0.208	O	|	|	|	|	0.50
276.917	0.00	0.15	0.265	O	|	|	|	|	0.63	282.083	0.00	0.12	0.207	O	|	|	|	|	0.50
277.000	0.00	0.15	0.264	O	|	|	|	|	0.63	282.167	0.00	0.12	0.206	O	|	|	|	|	0.49
277.083	0.00	0.15	0.263	O	|	|	|	|	0.63	282.250	0.00	0.12	0.205	O	|	|	|	|	0.49
277.167	0.00	0.15	0.262	O	|	|	|	|	0.63	282.333	0.00	0.12	0.205	O	|	|	|	|	0.49
277.250	0.00	0.15	0.261	O	|	|	|	|	0.62	282.417	0.00	0.12	0.204	O	|	|	|	|	0.49
277.333	0.00	0.15	0.260	O	|	|	|	|	0.62	282.500	0.00	0.12	0.203	O	|	|	|	|	0.49
277.417	0.00	0.15	0.259	O	|	|	|	|	0.62	282.583	0.00	0.12	0.202	O	|	|	|	|	0.48
277.500	0.00	0.15	0.258	O	|	|	|	|	0.62	282.667	0.00	0.12	0.201	O	|	|	|	|	0.48
277.583	0.00	0.15	0.256	O	|	|	|	|	0.62	282.750	0.00	0.12	0.201	O	|	|	|	|	0.48
277.667	0.00	0.15	0.255	O	|	|	|	|	0.61	282.833	0.00	0.11	0.200	O	|	|	|	|	0.48
277.750	0.00	0.15	0.254	O	|	|	|	|	0.61	282.917	0.00	0.11	0.199	O	|	|	|	|	0.48
277.833	0.00	0.15	0.253	O	|	|	|	|	0.61	283.000	0.00	0.11	0.198	O	|	|	|	|	0.48
277.917	0.00	0.15	0.252	O	|	|	|	|	0.61	283.083	0.00	0.11	0.197	O	|	|	|	|	0.47
278.000	0.00	0.14	0.251	O	|	|	|	|	0.60	283.167	0.00	0.11	0.197	O	|	|	|	|	0.47
278.083	0.00	0.14	0.250	O	|	|	|	|	0.60	283.250	0.00	0.11	0.196	O	|	|	|	|	0.47
278.167	0.00	0.14	0.249	O	|	|	|	|	0.60	283.333	0.00	0.11	0.195	O	|	|	|	|	0.47
278.250	0.00	0.14	0.248	O	|	|	|	|	0.60	283.417	0.00	0.11	0.194	O	|	|	|	|	0.47
278.333	0.00	0.14	0.247	O	|	|	|	|	0.59	283.500	0.00	0.11	0.194	O	|	|	|	|	0.46
278.417	0.00	0.14	0.247	O	|	|	|	|	0.59	283.583	0.00	0.11	0.193	O	|	|	|	|	0.46
278.500	0.00	0.14	0.246	O	|	|	|	|	0.59	283.667	0.00	0.11	0.192	O	|	|	|	|	0.46
278.583	0.00	0.14	0.245	O	|	|	|	|	0.59	283.750	0.00	0.11	0.191	O	|	|	|	|	0.46
278.667	0.00	0.14	0.244	O	|	|	|	|	0.58	283.833	0.00	0.11	0.191	O	|	|	|	|	0.46
278.750	0.00	0.14	0.243	O	|	|	|	|	0.58	283.917	0.00	0.11	0.190	O	|	|	|	|	0.46
278.833	0.00	0.14	0.242	O	|	|	|	|	0.58	284.000	0.00	0.11	0.189	O	|	|	|	|	0.45
278.917	0.00	0.14	0.241	O	|	|	|	|	0.58	284.083	0.00	0.11	0.188	O	|	|	|	|	0.45
279.000	0.00	0.14	0.240	O	|	|	|	|	0.57	284.167	0.00	0.11	0.188	O	|	|	|	|	0.45
279.083	0.00	0.14	0.239	O	|	|	|	|	0.57	284.250	0.00	0.11	0.187	O	|	|	|	|	0.45

284.333	0.00	0.11	0.186	O	|	|	|	|	0.45	289.500	0.00	0.08	0.146	O	|	|	|	|	0.35
284.417	0.00	0.11	0.185	O	|	|	|	|	0.44	289.583	0.00	0.08	0.145	O	|	|	|	|	0.35
284.500	0.00	0.11	0.185	O	|	|	|	|	0.44	289.667	0.00	0.08	0.144	O	|	|	|	|	0.35
284.583	0.00	0.11	0.184	O	|	|	|	|	0.44	289.750	0.00	0.08	0.144	O	|	|	|	|	0.34
284.667	0.00	0.11	0.183	O	|	|	|	|	0.44	289.833	0.00	0.08	0.143	O	|	|	|	|	0.34
284.750	0.00	0.10	0.182	O	|	|	|	|	0.44	289.917	0.00	0.08	0.143	O	|	|	|	|	0.34
284.833	0.00	0.10	0.182	O	|	|	|	|	0.44	290.000	0.00	0.08	0.142	O	|	|	|	|	0.34
284.917	0.00	0.10	0.181	O	|	|	|	|	0.43	290.083	0.00	0.08	0.142	O	|	|	|	|	0.34
285.000	0.00	0.10	0.180	O	|	|	|	|	0.43	290.167	0.00	0.08	0.141	O	|	|	|	|	0.34
285.083	0.00	0.10	0.180	O	|	|	|	|	0.43	290.250	0.00	0.08	0.140	O	|	|	|	|	0.34
285.167	0.00	0.10	0.179	O	|	|	|	|	0.43	290.333	0.00	0.08	0.140	O	|	|	|	|	0.34
285.250	0.00	0.10	0.178	O	|	|	|	|	0.43	290.417	0.00	0.08	0.139	O	|	|	|	|	0.33
285.333	0.00	0.10	0.177	O	|	|	|	|	0.43	290.500	0.00	0.08	0.139	O	|	|	|	|	0.33
285.417	0.00	0.10	0.177	O	|	|	|	|	0.42	290.583	0.00	0.08	0.138	O	|	|	|	|	0.33
285.500	0.00	0.10	0.176	O	|	|	|	|	0.42	290.667	0.00	0.08	0.138	O	|	|	|	|	0.33
285.583	0.00	0.10	0.175	O	|	|	|	|	0.42	290.750	0.00	0.08	0.137	O	|	|	|	|	0.33
285.667	0.00	0.10	0.175	O	|	|	|	|	0.42	290.833	0.00	0.08	0.137	O	|	|	|	|	0.33
285.750	0.00	0.10	0.174	O	|	|	|	|	0.42	290.917	0.00	0.08	0.136	O	|	|	|	|	0.33
285.833	0.00	0.10	0.173	O	|	|	|	|	0.42	291.000	0.00	0.08	0.135	O	|	|	|	|	0.32
285.917	0.00	0.10	0.173	O	|	|	|	|	0.41	291.083	0.00	0.08	0.135	O	|	|	|	|	0.32
286.000	0.00	0.10	0.172	O	|	|	|	|	0.41	291.167	0.00	0.08	0.134	O	|	|	|	|	0.32
286.083	0.00	0.10	0.171	O	|	|	|	|	0.41	291.250	0.00	0.08	0.134	O	|	|	|	|	0.32
286.167	0.00	0.10	0.171	O	|	|	|	|	0.41	291.333	0.00	0.08	0.133	O	|	|	|	|	0.32
286.250	0.00	0.10	0.170	O	|	|	|	|	0.41	291.417	0.00	0.08	0.133	O	|	|	|	|	0.32
286.333	0.00	0.10	0.169	O	|	|	|	|	0.41	291.500	0.00	0.08	0.132	O	|	|	|	|	0.32
286.417	0.00	0.10	0.168	O	|	|	|	|	0.40	291.583	0.00	0.08	0.132	O	|	|	|	|	0.32
286.500	0.00	0.10	0.168	O	|	|	|	|	0.40	291.667	0.00	0.08	0.131	O	|	|	|	|	0.31
286.583	0.00	0.10	0.167	O	|	|	|	|	0.40	291.750	0.00	0.08	0.131	O	|	|	|	|	0.31
286.667	0.00	0.10	0.167	O	|	|	|	|	0.40	291.833	0.00	0.07	0.130	O	|	|	|	|	0.31
286.750	0.00	0.10	0.166	O	|	|	|	|	0.40	291.917	0.00	0.07	0.130	O	|	|	|	|	0.31
286.833	0.00	0.10	0.165	O	|	|	|	|	0.40	292.000	0.00	0.07	0.129	O	|	|	|	|	0.31
286.917	0.00	0.09	0.165	O	|	|	|	|	0.39	292.083	0.00	0.07	0.129	O	|	|	|	|	0.31
287.000	0.00	0.09	0.164	O	|	|	|	|	0.39	292.167	0.00	0.07	0.128	O	|	|	|	|	0.31
287.083	0.00	0.09	0.163	O	|	|	|	|	0.39	292.250	0.00	0.07	0.128	O	|	|	|	|	0.31
287.167	0.00	0.09	0.163	O	|	|	|	|	0.39	292.333	0.00	0.07	0.127	O	|	|	|	|	0.30
287.250	0.00	0.09	0.162	O	|	|	|	|	0.39	292.417	0.00	0.07	0.127	O	|	|	|	|	0.30
287.333	0.00	0.09	0.161	O	|	|	|	|	0.39	292.500	0.00	0.07	0.126	O	|	|	|	|	0.30
287.417	0.00	0.09	0.161	O	|	|	|	|	0.39	292.583	0.00	0.07	0.126	O	|	|	|	|	0.30
287.500	0.00	0.09	0.160	O	|	|	|	|	0.38	292.667	0.00	0.07	0.125	O	|	|	|	|	0.30
287.583	0.00	0.09	0.159	O	|	|	|	|	0.38	292.750	0.00	0.07	0.125	O	|	|	|	|	0.30
287.667	0.00	0.09	0.159	O	|	|	|	|	0.38	292.833	0.00	0.07	0.124	O	|	|	|	|	0.30
287.750	0.00	0.09	0.158	O	|	|	|	|	0.38	292.917	0.00	0.07	0.124	O	|	|	|	|	0.30
287.833	0.00	0.09	0.158	O	|	|	|	|	0.38	293.000	0.00	0.07	0.123	O	|	|	|	|	0.30
287.917	0.00	0.09	0.157	O	|	|	|	|	0.38	293.083	0.00	0.07	0.123	O	|	|	|	|	0.29
288.000	0.00	0.09	0.156	O	|	|	|	|	0.37	293.167	0.00	0.07	0.122	O	|	|	|	|	0.29
288.083	0.00	0.09	0.156	O	|	|	|	|	0.37	293.250	0.00	0.07	0.122	O	|	|	|	|	0.29
288.167	0.00	0.09	0.155	O	|	|	|	|	0.37	293.333	0.00	0.07	0.121	O	|	|	|	|	0.29
288.250	0.00	0.09	0.154	O	|	|	|	|	0.37	293.417	0.00	0.07	0.121	O	|	|	|	|	0.29
288.333	0.00	0.09	0.154	O	|	|	|	|	0.37	293.500	0.00	0.07	0.120	O	|	|	|	|	0.29
288.417	0.00	0.09	0.153	O	|	|	|	|	0.37	293.583	0.00	0.07	0.120	O	|	|	|	|	0.29
288.500	0.00	0.09	0.153	O	|	|	|	|	0.37	293.667	0.00	0.07	0.119	O	|	|	|	|	0.29
288.583	0.00	0.09	0.152	O	|	|	|	|	0.36	293.750	0.00	0.07	0.119	O	|	|	|	|	0.29
288.667	0.00	0.09	0.151	O	|	|	|	|	0.36	293.833	0.00	0.07	0.118	O	|	|	|	|	0.28
288.750	0.00	0.09	0.151	O	|	|	|	|	0.36	293.917	0.00	0.07	0.118	O	|	|	|	|	0.28
288.833	0.00	0.09	0.150	O	|	|	|	|	0.36	294.000	0.00	0.07	0.117	O	|	|	|	|	0.28
288.917	0.00	0.09	0.150	O	|	|	|	|	0.36	294.083	0.00	0.07	0.117	O	|	|	|	|	0.28
289.000	0.00	0.09	0.149	O	|	|	|	|	0.36	294.167	0.00	0.07	0.117	O	|	|	|	|	0.28
289.083	0.00	0.09	0.148	O	|	|	|	|	0.36	294.250	0.00	0.07	0.116	O	|	|	|	|	0.28
289.167	0.00	0.09	0.148	O	|	|	|	|	0.35	294.333	0.00	0.07	0.116	O	|	|	|	|	0.28
289.250	0.00	0.08	0.147	O	|	|	|	|	0.35	294.417	0.00	0.07	0.115	O	|	|	|	|	0.28
289.333	0.00	0.08	0.147	O	|	|	|	|	0.35	294.500	0.00	0.07	0.115	O	|	|	|	|	0.28
289.417	0.00	0.08	0.146	O	|	|	|	|	0.35	294.583	0.00	0.07	0.114	O	|	|	|	|	0.27

294.667	0.00	0.07	0.114	O	|	|	|	|	0.27	299.833	0.00	0.05	0.089	O	|	|	|	|	0.21
294.750	0.00	0.07	0.113	O	|	|	|	|	0.27	299.917	0.00	0.05	0.089	O	|	|	|	|	0.21
294.833	0.00	0.06	0.113	O	|	|	|	|	0.27	300.000	0.00	0.05	0.088	O	|	|	|	|	0.21
294.917	0.00	0.06	0.112	O	|	|	|	|	0.27	300.083	0.00	0.05	0.088	O	|	|	|	|	0.21
295.000	0.00	0.06	0.112	O	|	|	|	|	0.27	300.167	0.00	0.05	0.088	O	|	|	|	|	0.21
295.083	0.00	0.06	0.112	O	|	|	|	|	0.27	300.250	0.00	0.05	0.087	O	|	|	|	|	0.21
295.167	0.00	0.06	0.111	O	|	|	|	|	0.27	300.333	0.00	0.05	0.087	O	|	|	|	|	0.21
295.250	0.00	0.06	0.111	O	|	|	|	|	0.27	300.417	0.00	0.05	0.087	O	|	|	|	|	0.21
295.333	0.00	0.06	0.110	O	|	|	|	|	0.26	300.500	0.00	0.05	0.086	O	|	|	|	|	0.21
295.417	0.00	0.06	0.110	O	|	|	|	|	0.26	300.583	0.00	0.05	0.086	O	|	|	|	|	0.21
295.500	0.00	0.06	0.109	O	|	|	|	|	0.26	300.667	0.00	0.05	0.086	O	|	|	|	|	0.21
295.583	0.00	0.06	0.109	O	|	|	|	|	0.26	300.750	0.00	0.05	0.085	O	|	|	|	|	0.20
295.667	0.00	0.06	0.109	O	|	|	|	|	0.26	300.833	0.00	0.05	0.085	O	|	|	|	|	0.20
295.750	0.00	0.06	0.108	O	|	|	|	|	0.26	300.917	0.00	0.05	0.085	O	|	|	|	|	0.20
295.833	0.00	0.06	0.108	O	|	|	|	|	0.26	301.000	0.00	0.05	0.084	O	|	|	|	|	0.20
295.917	0.00	0.06	0.107	O	|	|	|	|	0.26	301.083	0.00	0.05	0.084	O	|	|	|	|	0.20
296.000	0.00	0.06	0.107	O	|	|	|	|	0.26	301.167	0.00	0.05	0.084	O	|	|	|	|	0.20
296.083	0.00	0.06	0.106	O	|	|	|	|	0.26	301.250	0.00	0.05	0.083	O	|	|	|	|	0.20
296.167	0.00	0.06	0.106	O	|	|	|	|	0.25	301.333	0.00	0.05	0.083	O	|	|	|	|	0.20
296.250	0.00	0.06	0.106	O	|	|	|	|	0.25	301.417	0.00	0.05	0.083	O	|	|	|	|	0.20
296.333	0.00	0.06	0.105	O	|	|	|	|	0.25	301.500	0.00	0.05	0.082	O	|	|	|	|	0.20
296.417	0.00	0.06	0.105	O	|	|	|	|	0.25	301.583	0.00	0.05	0.082	O	|	|	|	|	0.20
296.500	0.00	0.06	0.104	O	|	|	|	|	0.25	301.667	0.00	0.05	0.082	O	|	|	|	|	0.20
296.583	0.00	0.06	0.104	O	|	|	|	|	0.25	301.750	0.00	0.05	0.081	O	|	|	|	|	0.19
296.667	0.00	0.06	0.103	O	|	|	|	|	0.25	301.833	0.00	0.05	0.081	O	|	|	|	|	0.19
296.750	0.00	0.06	0.103	O	|	|	|	|	0.25	301.917	0.00	0.05	0.081	O	|	|	|	|	0.19
296.833	0.00	0.06	0.103	O	|	|	|	|	0.25	302.000	0.00	0.05	0.080	O	|	|	|	|	0.19
296.917	0.00	0.06	0.102	O	|	|	|	|	0.25	302.083	0.00	0.05	0.080	O	|	|	|	|	0.19
297.000	0.00	0.06	0.102	O	|	|	|	|	0.24	302.167	0.00	0.05	0.080	O	|	|	|	|	0.19
297.083	0.00	0.06	0.101	O	|	|	|	|	0.24	302.250	0.00	0.05	0.079	O	|	|	|	|	0.19
297.167	0.00	0.06	0.101	O	|	|	|	|	0.24	302.333	0.00	0.05	0.079	O	|	|	|	|	0.19
297.250	0.00	0.06	0.101	O	|	|	|	|	0.24	302.417	0.00	0.05	0.079	O	|	|	|	|	0.19
297.333	0.00	0.06	0.100	O	|	|	|	|	0.24	302.500	0.00	0.05	0.078	O	|	|	|	|	0.19
297.417	0.00	0.06	0.100	O	|	|	|	|	0.24	302.583	0.00	0.04	0.078	O	|	|	|	|	0.19
297.500	0.00	0.06	0.099	O	|	|	|	|	0.24	302.667	0.00	0.04	0.078	O	|	|	|	|	0.19
297.583	0.00	0.06	0.099	O	|	|	|	|	0.24	302.750	0.00	0.04	0.077	O	|	|	|	|	0.19
297.667	0.00	0.06	0.099	O	|	|	|	|	0.24	302.833	0.00	0.04	0.077	O	|	|	|	|	0.19
297.750	0.00	0.06	0.098	O	|	|	|	|	0.24	302.917	0.00	0.04	0.077	O	|	|	|	|	0.18
297.833	0.00	0.06	0.098	O	|	|	|	|	0.23	303.000	0.00	0.04	0.077	O	|	|	|	|	0.18
297.917	0.00	0.06	0.098	O	|	|	|	|	0.23	303.083	0.00	0.04	0.076	O	|	|	|	|	0.18
298.000	0.00	0.06	0.097	O	|	|	|	|	0.23	303.167	0.00	0.04	0.076	O	|	|	|	|	0.18
298.083	0.00	0.06	0.097	O	|	|	|	|	0.23	303.250	0.00	0.04	0.076	O	|	|	|	|	0.18
298.167	0.00	0.06	0.096	O	|	|	|	|	0.23	303.333	0.00	0.04	0.075	O	|	|	|	|	0.18
298.250	0.00	0.06	0.096	O	|	|	|	|	0.23	303.417	0.00	0.04	0.075	O	|	|	|	|	0.18
298.333	0.00	0.06	0.096	O	|	|	|	|	0.23	303.500	0.00	0.04	0.075	O	|	|	|	|	0.18
298.417	0.00	0.05	0.095	O	|	|	|	|	0.23	303.583	0.00	0.04	0.074	O	|	|	|	|	0.18
298.500	0.00	0.05	0.095	O	|	|	|	|	0.23	303.667	0.00	0.04	0.074	O	|	|	|	|	0.18
298.583	0.00	0.05	0.094	O	|	|	|	|	0.23	303.750	0.00	0.04	0.074	O	|	|	|	|	0.18
298.667	0.00	0.05	0.094	O	|	|	|	|	0.23	303.833	0.00	0.04	0.074	O	|	|	|	|	0.18
298.750	0.00	0.05	0.094	O	|	|	|	|	0.22	303.917	0.00	0.04	0.073	O	|	|	|	|	0.18
298.833	0.00	0.05	0.093	O	|	|	|	|	0.22	304.000	0.00	0.04	0.073	O	|	|	|	|	0.18
298.917	0.00	0.05	0.093	O	|	|	|	|	0.22	304.083	0.00	0.04	0.073	O	|	|	|	|	0.17
299.000	0.00	0.05	0.093	O	|	|	|	|	0.22	304.167	0.00	0.04	0.072	O	|	|	|	|	0.17
299.083	0.00	0.05	0.092	O	|	|	|	|	0.22	304.250	0.00	0.04	0.072	O	|	|	|	|	0.17
299.167	0.00	0.05	0.092	O	|	|	|	|	0.22	304.333	0.00	0.04	0.072	O	|	|	|	|	0.17
299.250	0.00	0.05	0.092	O	|	|	|	|	0.22	304.417	0.00	0.04	0.072	O	|	|	|	|	0.17
299.333	0.00	0.05	0.091	O	|	|	|	|	0.22	304.500	0.00	0.04	0.071	O	|	|	|	|	0.17
299.417	0.00	0.05	0.091	O	|	|	|	|	0.22	304.583	0.00	0.04	0.071	O	|	|	|	|	0.17
299.500	0.00	0.05	0.090	O	|	|	|	|	0.22	304.667	0.00	0.04	0.071	O	|	|	|	|	0.17
299.583	0.00	0.05	0.090	O	|	|	|	|	0.22	304.750	0.00	0.04	0.070	O	|	|	|	|	0.17
299.667	0.00	0.05	0.090	O	|	|	|	|	0.22	304.833	0.00	0.04	0.070	O	|	|	|	|	0.17
299.750	0.00	0.05	0.089	O	|	|	|	|	0.21	304.917	0.00	0.04	0.070	O	|	|	|	|	0.17

305.000	0.00	0.04	0.070	O					0.17	310.167	0.00	0.03	0.054	O					0.13
305.083	0.00	0.04	0.069	O					0.17	310.250	0.00	0.03	0.054	O					0.13
305.167	0.00	0.04	0.069	O					0.17	310.333	0.00	0.03	0.054	O					0.13
305.250	0.00	0.04	0.069	O					0.16	310.417	0.00	0.03	0.054	O					0.13
305.333	0.00	0.04	0.069	O					0.16	310.500	0.00	0.03	0.054	O					0.13
305.417	0.00	0.04	0.068	O					0.16	310.583	0.00	0.03	0.053	O					0.13
305.500	0.00	0.04	0.068	O					0.16	310.667	0.00	0.03	0.053	O					0.13
305.583	0.00	0.04	0.068	O					0.16	310.750	0.00	0.03	0.053	O					0.13
305.667	0.00	0.04	0.067	O					0.16	310.833	0.00	0.03	0.053	O					0.13
305.750	0.00	0.04	0.067	O					0.16	310.917	0.00	0.03	0.053	O					0.13
305.833	0.00	0.04	0.067	O					0.16	311.000	0.00	0.03	0.052	O					0.13
305.917	0.00	0.04	0.067	O					0.16	311.083	0.00	0.03	0.052	O					0.12
306.000	0.00	0.04	0.066	O					0.16	311.167	0.00	0.03	0.052	O					0.12
306.083	0.00	0.04	0.066	O					0.16	311.250	0.00	0.03	0.052	O					0.12
306.167	0.00	0.04	0.066	O					0.16	311.333	0.00	0.03	0.052	O					0.12
306.250	0.00	0.04	0.066	O					0.16	311.417	0.00	0.03	0.051	O					0.12
306.333	0.00	0.04	0.065	O					0.16	311.500	0.00	0.03	0.051	O					0.12
306.417	0.00	0.04	0.065	O					0.16	311.583	0.00	0.03	0.051	O					0.12
306.500	0.00	0.04	0.065	O					0.16	311.667	0.00	0.03	0.051	O					0.12
306.583	0.00	0.04	0.065	O					0.15	311.750	0.00	0.03	0.050	O					0.12
306.667	0.00	0.04	0.064	O					0.15	311.833	0.00	0.03	0.050	O					0.12
306.750	0.00	0.04	0.064	O					0.15	311.917	0.00	0.03	0.050	O					0.12
306.833	0.00	0.04	0.064	O					0.15	312.000	0.00	0.03	0.050	O					0.12
306.917	0.00	0.04	0.064	O					0.15	312.083	0.00	0.03	0.050	O					0.12
307.000	0.00	0.04	0.063	O					0.15	312.167	0.00	0.03	0.050	O					0.12
307.083	0.00	0.04	0.063	O					0.15	312.250	0.00	0.03	0.049	O					0.12
307.167	0.00	0.04	0.063	O					0.15	312.333	0.00	0.03	0.049	O					0.12
307.250	0.00	0.04	0.063	O					0.15	312.417	0.00	0.03	0.049	O					0.12
307.333	0.00	0.04	0.062	O					0.15	312.500	0.00	0.03	0.049	O					0.12
307.417	0.00	0.04	0.062	O					0.15	312.583	0.00	0.03	0.049	O					0.12
307.500	0.00	0.04	0.062	O					0.15	312.667	0.00	0.03	0.048	O					0.12
307.583	0.00	0.04	0.062	O					0.15	312.750	0.00	0.03	0.048	O					0.12
307.667	0.00	0.04	0.061	O					0.15	312.833	0.00	0.03	0.048	O					0.12
307.750	0.00	0.04	0.061	O					0.15	312.917	0.00	0.03	0.048	O					0.11
307.833	0.00	0.04	0.061	O					0.15	313.000	0.00	0.03	0.048	O					0.11
307.917	0.00	0.03	0.061	O					0.15	313.083	0.00	0.03	0.047	O					0.11
308.000	0.00	0.03	0.060	O					0.14	313.167	0.00	0.03	0.047	O					0.11
308.083	0.00	0.03	0.060	O					0.14	313.250	0.00	0.03	0.047	O					0.11
308.167	0.00	0.03	0.060	O					0.14	313.333	0.00	0.03	0.047	O					0.11
308.250	0.00	0.03	0.060	O					0.14	313.417	0.00	0.03	0.047	O					0.11
308.333	0.00	0.03	0.059	O					0.14	313.500	0.00	0.03	0.046	O					0.11
308.417	0.00	0.03	0.059	O					0.14	313.583	0.00	0.03	0.046	O					0.11
308.500	0.00	0.03	0.059	O					0.14	313.667	0.00	0.03	0.046	O					0.11
308.583	0.00	0.03	0.059	O					0.14	313.750	0.00	0.03	0.046	O					0.11
308.667	0.00	0.03	0.058	O					0.14	313.833	0.00	0.03	0.046	O					0.11
308.750	0.00	0.03	0.058	O					0.14	313.917	0.00	0.03	0.046	O					0.11
308.833	0.00	0.03	0.058	O					0.14	314.000	0.00	0.03	0.045	O					0.11
308.917	0.00	0.03	0.058	O					0.14	314.083	0.00	0.03	0.045	O					0.11
309.000	0.00	0.03	0.058	O					0.14	314.167	0.00	0.03	0.045	O					0.11
309.083	0.00	0.03	0.057	O					0.14	314.250	0.00	0.03	0.045	O					0.11
309.167	0.00	0.03	0.057	O					0.14	314.333	0.00	0.03	0.045	O					0.11
309.250	0.00	0.03	0.057	O					0.14	314.417	0.00	0.03	0.044	O					0.11
309.333	0.00	0.03	0.057	O					0.14	314.500	0.00	0.03	0.044	O					0.11
309.417	0.00	0.03	0.056	O					0.14	314.583	0.00	0.03	0.044	O					0.11
309.500	0.00	0.03	0.056	O					0.13	314.667	0.00	0.03	0.044	O					0.11
309.583	0.00	0.03	0.056	O					0.13	314.750	0.00	0.03	0.044	O					0.10
309.667	0.00	0.03	0.056	O					0.13	314.833	0.00	0.03	0.044	O					0.10
309.750	0.00	0.03	0.056	O					0.13	314.917	0.00	0.02	0.043	O					0.10
309.833	0.00	0.03	0.055	O					0.13	315.000	0.00	0.02	0.043	O					0.10
309.917	0.00	0.03	0.055	O					0.13	315.083	0.00	0.02	0.043	O					0.10
310.000	0.00	0.03	0.055	O					0.13	315.167	0.00	0.02	0.043	O					0.10
310.083	0.00	0.03	0.055	O					0.13	315.250	0.00	0.02	0.043	O					0.10

315.333	0.00	0.02	0.043	O	|	|	|	|	0.10	320.500	0.00	0.02	0.033	O	|	|	|	|	0.08
315.417	0.00	0.02	0.042	O	|	|	|	|	0.10	320.583	0.00	0.02	0.033	O	|	|	|	|	0.08
315.500	0.00	0.02	0.042	O	|	|	|	|	0.10	320.667	0.00	0.02	0.033	O	|	|	|	|	0.08
315.583	0.00	0.02	0.042	O	|	|	|	|	0.10	320.750	0.00	0.02	0.033	O	|	|	|	|	0.08
315.667	0.00	0.02	0.042	O	|	|	|	|	0.10	320.833	0.00	0.02	0.033	O	|	|	|	|	0.08
315.750	0.00	0.02	0.042	O	|	|	|	|	0.10	320.917	0.00	0.02	0.033	O	|	|	|	|	0.08
315.833	0.00	0.02	0.042	O	|	|	|	|	0.10	321.000	0.00	0.02	0.033	O	|	|	|	|	0.08
315.917	0.00	0.02	0.041	O	|	|	|	|	0.10	321.083	0.00	0.02	0.032	O	|	|	|	|	0.08
316.000	0.00	0.02	0.041	O	|	|	|	|	0.10	321.167	0.00	0.02	0.032	O	|	|	|	|	0.08
316.083	0.00	0.02	0.041	O	|	|	|	|	0.10	321.250	0.00	0.02	0.032	O	|	|	|	|	0.08
316.167	0.00	0.02	0.041	O	|	|	|	|	0.10	321.333	0.00	0.02	0.032	O	|	|	|	|	0.08
316.250	0.00	0.02	0.041	O	|	|	|	|	0.10	321.417	0.00	0.02	0.032	O	|	|	|	|	0.08
316.333	0.00	0.02	0.041	O	|	|	|	|	0.10	321.500	0.00	0.02	0.032	O	|	|	|	|	0.08
316.417	0.00	0.02	0.040	O	|	|	|	|	0.10	321.583	0.00	0.02	0.032	O	|	|	|	|	0.08
316.500	0.00	0.02	0.040	O	|	|	|	|	0.10	321.667	0.00	0.02	0.032	O	|	|	|	|	0.08
316.583	0.00	0.02	0.040	O	|	|	|	|	0.10	321.750	0.00	0.02	0.031	O	|	|	|	|	0.08
316.667	0.00	0.02	0.040	O	|	|	|	|	0.10	321.833	0.00	0.02	0.031	O	|	|	|	|	0.07
316.750	0.00	0.02	0.040	O	|	|	|	|	0.10	321.917	0.00	0.02	0.031	O	|	|	|	|	0.07
316.833	0.00	0.02	0.040	O	|	|	|	|	0.10	322.000	0.00	0.02	0.031	O	|	|	|	|	0.07
316.917	0.00	0.02	0.039	O	|	|	|	|	0.09	322.083	0.00	0.02	0.031	O	|	|	|	|	0.07
317.000	0.00	0.02	0.039	O	|	|	|	|	0.09	322.167	0.00	0.02	0.031	O	|	|	|	|	0.07
317.083	0.00	0.02	0.039	O	|	|	|	|	0.09	322.250	0.00	0.02	0.031	O	|	|	|	|	0.07
317.167	0.00	0.02	0.039	O	|	|	|	|	0.09	322.333	0.00	0.02	0.031	O	|	|	|	|	0.07
317.250	0.00	0.02	0.039	O	|	|	|	|	0.09	322.417	0.00	0.02	0.030	O	|	|	|	|	0.07
317.333	0.00	0.02	0.039	O	|	|	|	|	0.09	322.500	0.00	0.02	0.030	O	|	|	|	|	0.07
317.417	0.00	0.02	0.039	O	|	|	|	|	0.09	322.583	0.00	0.02	0.030	O	|	|	|	|	0.07
317.500	0.00	0.02	0.038	O	|	|	|	|	0.09	322.667	0.00	0.02	0.030	O	|	|	|	|	0.07
317.583	0.00	0.02	0.038	O	|	|	|	|	0.09	322.750	0.00	0.02	0.030	O	|	|	|	|	0.07
317.667	0.00	0.02	0.038	O	|	|	|	|	0.09	322.833	0.00	0.02	0.030	O	|	|	|	|	0.07
317.750	0.00	0.02	0.038	O	|	|	|	|	0.09	322.917	0.00	0.02	0.030	O	|	|	|	|	0.07
317.833	0.00	0.02	0.038	O	|	|	|	|	0.09	323.000	0.00	0.02	0.030	O	|	|	|	|	0.07
317.917	0.00	0.02	0.038	O	|	|	|	|	0.09	323.083	0.00	0.02	0.029	O	|	|	|	|	0.07
318.000	0.00	0.02	0.038	O	|	|	|	|	0.09	323.167	0.00	0.02	0.029	O	|	|	|	|	0.07
318.083	0.00	0.02	0.037	O	|	|	|	|	0.09	323.250	0.00	0.02	0.029	O	|	|	|	|	0.07
318.167	0.00	0.02	0.037	O	|	|	|	|	0.09	323.333	0.00	0.02	0.029	O	|	|	|	|	0.07
318.250	0.00	0.02	0.037	O	|	|	|	|	0.09	323.417	0.00	0.02	0.029	O	|	|	|	|	0.07
318.333	0.00	0.02	0.037	O	|	|	|	|	0.09	323.500	0.00	0.02	0.029	O	|	|	|	|	0.07
318.417	0.00	0.02	0.037	O	|	|	|	|	0.09	323.583	0.00	0.02	0.029	O	|	|	|	|	0.07
318.500	0.00	0.02	0.037	O	|	|	|	|	0.09	323.667	0.00	0.02	0.029	O	|	|	|	|	0.07
318.583	0.00	0.02	0.036	O	|	|	|	|	0.09	323.750	0.00	0.02	0.029	O	|	|	|	|	0.07
318.667	0.00	0.02	0.036	O	|	|	|	|	0.09	323.833	0.00	0.02	0.028	O	|	|	|	|	0.07
318.750	0.00	0.02	0.036	O	|	|	|	|	0.09	323.917	0.00	0.02	0.028	O	|	|	|	|	0.07
318.833	0.00	0.02	0.036	O	|	|	|	|	0.09	324.000	0.00	0.02	0.028	O	|	|	|	|	0.07
318.917	0.00	0.02	0.036	O	|	|	|	|	0.09	324.083	0.00	0.02	0.028	O	|	|	|	|	0.07
319.000	0.00	0.02	0.036	O	|	|	|	|	0.09	324.167	0.00	0.02	0.028	O	|	|	|	|	0.07
319.083	0.00	0.02	0.036	O	|	|	|	|	0.09	324.250	0.00	0.02	0.028	O	|	|	|	|	0.07
319.167	0.00	0.02	0.035	O	|	|	|	|	0.09	324.333	0.00	0.02	0.028	O	|	|	|	|	0.07
319.250	0.00	0.02	0.035	O	|	|	|	|	0.08	324.417	0.00	0.02	0.028	O	|	|	|	|	0.07
319.333	0.00	0.02	0.035	O	|	|	|	|	0.08	324.500	0.00	0.02	0.028	O	|	|	|	|	0.07
319.417	0.00	0.02	0.035	O	|	|	|	|	0.08	324.583	0.00	0.02	0.027	O	|	|	|	|	0.07
319.500	0.00	0.02	0.035	O	|	|	|	|	0.08	324.667	0.00	0.02	0.027	O	|	|	|	|	0.07
319.583	0.00	0.02	0.035	O	|	|	|	|	0.08	324.750	0.00	0.02	0.027	O	|	|	|	|	0.07
319.667	0.00	0.02	0.035	O	|	|	|	|	0.08	324.833	0.00	0.02	0.027	O	|	|	|	|	0.06
319.750	0.00	0.02	0.035	O	|	|	|	|	0.08	324.917	0.00	0.02	0.027	O	|	|	|	|	0.06
319.833	0.00	0.02	0.034	O	|	|	|	|	0.08	325.000	0.00	0.02	0.027	O	|	|	|	|	0.06
319.917	0.00	0.02	0.034	O	|	|	|	|	0.08	325.083	0.00	0.02	0.027	O	|	|	|	|	0.06
320.000	0.00	0.02	0.034	O	|	|	|	|	0.08	325.167	0.00	0.02	0.027	O	|	|	|	|	0.06
320.083	0.00	0.02	0.034	O	|	|	|	|	0.08	325.250	0.00	0.02	0.027	O	|	|	|	|	0.06
320.167	0.00	0.02	0.034	O	|	|	|	|	0.08	325.333	0.00	0.02	0.026	O	|	|	|	|	0.06
320.250	0.00	0.02	0.034	O	|	|	|	|	0.08	325.417	0.00	0.02	0.026	O	|	|	|	|	0.06
320.333	0.00	0.02	0.034	O	|	|	|	|	0.08	325.500	0.00	0.02	0.026	O	|	|	|	|	0.06
320.417	0.00	0.02	0.033	O	|	|	|	|	0.08	325.583	0.00	0.02	0.026	O	|	|	|	|	0.06

325.667	0.00	0.01	0.026	O	|	|	|	|	0.06	330.833	0.00	0.01	0.020	O	|	|	|	|	0.05
325.750	0.00	0.01	0.026	O	|	|	|	|	0.06	330.917	0.00	0.01	0.020	O	|	|	|	|	0.05
325.833	0.00	0.01	0.026	O	|	|	|	|	0.06	331.000	0.00	0.01	0.020	O	|	|	|	|	0.05
325.917	0.00	0.01	0.026	O	|	|	|	|	0.06	331.083	0.00	0.01	0.020	O	|	|	|	|	0.05
326.000	0.00	0.01	0.026	O	|	|	|	|	0.06	331.167	0.00	0.01	0.020	O	|	|	|	|	0.05
326.083	0.00	0.01	0.026	O	|	|	|	|	0.06	331.250	0.00	0.01	0.020	O	|	|	|	|	0.05
326.167	0.00	0.01	0.025	O	|	|	|	|	0.06	331.333	0.00	0.01	0.020	O	|	|	|	|	0.05
326.250	0.00	0.01	0.025	O	|	|	|	|	0.06	331.417	0.00	0.01	0.020	O	|	|	|	|	0.05
326.333	0.00	0.01	0.025	O	|	|	|	|	0.06	331.500	0.00	0.01	0.020	O	|	|	|	|	0.05
326.417	0.00	0.01	0.025	O	|	|	|	|	0.06	331.583	0.00	0.01	0.020	O	|	|	|	|	0.05
326.500	0.00	0.01	0.025	O	|	|	|	|	0.06	331.667	0.00	0.01	0.020	O	|	|	|	|	0.05
326.583	0.00	0.01	0.025	O	|	|	|	|	0.06	331.750	0.00	0.01	0.020	O	|	|	|	|	0.05
326.667	0.00	0.01	0.025	O	|	|	|	|	0.06	331.833	0.00	0.01	0.019	O	|	|	|	|	0.05
326.750	0.00	0.01	0.025	O	|	|	|	|	0.06	331.917	0.00	0.01	0.019	O	|	|	|	|	0.05
326.833	0.00	0.01	0.025	O	|	|	|	|	0.06	332.000	0.00	0.01	0.019	O	|	|	|	|	0.05
326.917	0.00	0.01	0.025	O	|	|	|	|	0.06	332.083	0.00	0.01	0.019	O	|	|	|	|	0.05
327.000	0.00	0.01	0.024	O	|	|	|	|	0.06	332.167	0.00	0.01	0.019	O	|	|	|	|	0.05
327.083	0.00	0.01	0.024	O	|	|	|	|	0.06	332.250	0.00	0.01	0.019	O	|	|	|	|	0.05
327.167	0.00	0.01	0.024	O	|	|	|	|	0.06	332.333	0.00	0.01	0.019	O	|	|	|	|	0.05
327.250	0.00	0.01	0.024	O	|	|	|	|	0.06	332.417	0.00	0.01	0.019	O	|	|	|	|	0.05
327.333	0.00	0.01	0.024	O	|	|	|	|	0.06	332.500	0.00	0.01	0.019	O	|	|	|	|	0.05
327.417	0.00	0.01	0.024	O	|	|	|	|	0.06	332.583	0.00	0.01	0.019	O	|	|	|	|	0.04
327.500	0.00	0.01	0.024	O	|	|	|	|	0.06	332.667	0.00	0.01	0.019	O	|	|	|	|	0.04
327.583	0.00	0.01	0.024	O	|	|	|	|	0.06	332.750	0.00	0.01	0.019	O	|	|	|	|	0.04
327.667	0.00	0.01	0.024	O	|	|	|	|	0.06	332.833	0.00	0.01	0.019	O	|	|	|	|	0.04
327.750	0.00	0.01	0.024	O	|	|	|	|	0.06	332.917	0.00	0.01	0.018	O	|	|	|	|	0.04
327.833	0.00	0.01	0.023	O	|	|	|	|	0.06	333.000	0.00	0.01	0.018	O	|	|	|	|	0.04
327.917	0.00	0.01	0.023	O	|	|	|	|	0.06	333.083	0.00	0.01	0.018	O	|	|	|	|	0.04
328.000	0.00	0.01	0.023	O	|	|	|	|	0.06	333.167	0.00	0.01	0.018	O	|	|	|	|	0.04
328.083	0.00	0.01	0.023	O	|	|	|	|	0.06	333.250	0.00	0.01	0.018	O	|	|	|	|	0.04
328.167	0.00	0.01	0.023	O	|	|	|	|	0.06	333.333	0.00	0.01	0.018	O	|	|	|	|	0.04
328.250	0.00	0.01	0.023	O	|	|	|	|	0.06	333.417	0.00	0.01	0.018	O	|	|	|	|	0.04
328.333	0.00	0.01	0.023	O	|	|	|	|	0.06	333.500	0.00	0.01	0.018	O	|	|	|	|	0.04
328.417	0.00	0.01	0.023	O	|	|	|	|	0.05	333.583	0.00	0.01	0.018	O	|	|	|	|	0.04
328.500	0.00	0.01	0.023	O	|	|	|	|	0.05	333.667	0.00	0.01	0.018	O	|	|	|	|	0.04
328.583	0.00	0.01	0.023	O	|	|	|	|	0.05	333.750	0.00	0.01	0.018	O	|	|	|	|	0.04
328.667	0.00	0.01	0.023	O	|	|	|	|	0.05	333.833	0.00	0.01	0.018	O	|	|	|	|	0.04
328.750	0.00	0.01	0.022	O	|	|	|	|	0.05	333.917	0.00	0.01	0.018	O	|	|	|	|	0.04
328.833	0.00	0.01	0.022	O	|	|	|	|	0.05	334.000	0.00	0.01	0.018	O	|	|	|	|	0.04
328.917	0.00	0.01	0.022	O	|	|	|	|	0.05	334.083	0.00	0.01	0.017	O	|	|	|	|	0.04
329.000	0.00	0.01	0.022	O	|	|	|	|	0.05	334.167	0.00	0.01	0.017	O	|	|	|	|	0.04
329.083	0.00	0.01	0.022	O	|	|	|	|	0.05	334.250	0.00	0.01	0.017	O	|	|	|	|	0.04
329.167	0.00	0.01	0.022	O	|	|	|	|	0.05	334.333	0.00	0.01	0.017	O	|	|	|	|	0.04
329.250	0.00	0.01	0.022	O	|	|	|	|	0.05	334.417	0.00	0.01	0.017	O	|	|	|	|	0.04
329.333	0.00	0.01	0.022	O	|	|	|	|	0.05	334.500	0.00	0.01	0.017	O	|	|	|	|	0.04
329.417	0.00	0.01	0.022	O	|	|	|	|	0.05	334.583	0.00	0.01	0.017	O	|	|	|	|	0.04
329.500	0.00	0.01	0.022	O	|	|	|	|	0.05	334.667	0.00	0.01	0.017	O	|	|	|	|	0.04
329.583	0.00	0.01	0.022	O	|	|	|	|	0.05	334.750	0.00	0.01	0.017	O	|	|	|	|	0.04
329.667	0.00	0.01	0.022	O	|	|	|	|	0.05	334.833	0.00	0.01	0.017	O	|	|	|	|	0.04
329.750	0.00	0.01	0.021	O	|	|	|	|	0.05	334.917	0.00	0.01	0.017	O	|	|	|	|	0.04
329.833	0.00	0.01	0.021	O	|	|	|	|	0.05	335.000	0.00	0.01	0.017	O	|	|	|	|	0.04
329.917	0.00	0.01	0.021	O	|	|	|	|	0.05	335.083	0.00	0.01	0.017	O	|	|	|	|	0.04
330.000	0.00	0.01	0.021	O	|	|	|	|	0.05	335.167	0.00	0.01	0.017	O	|	|	|	|	0.04
330.083	0.00	0.01	0.021	O	|	|	|	|	0.05	335.250	0.00	0.01	0.017	O	|	|	|	|	0.04
330.167	0.00	0.01	0.021	O	|	|	|	|	0.05	335.333	0.00	0.01	0.016	O	|	|	|	|	0.04
330.250	0.00	0.01	0.021	O	|	|	|	|	0.05	335.417	0.00	0.01	0.016	O	|	|	|	|	0.04
330.333	0.00	0.01	0.021	O	|	|	|	|	0.05	335.500	0.00	0.01	0.016	O	|	|	|	|	0.04
330.417	0.00	0.01	0.021	O	|	|	|	|	0.05	335.583	0.00	0.01	0.016	O	|	|	|	|	0.04
330.500	0.00	0.01	0.021	O	|	|	|	|	0.05	335.667	0.00	0.01	0.016	O	|	|	|	|	0.04
330.583	0.00	0.01	0.021	O	|	|	|	|	0.05	335.750	0.00	0.01	0.016	O	|	|	|	|	0.04
330.667	0.00	0.01	0.021	O	|	|	|	|	0.05	335.833	0.00	0.01	0.016	O	|	|	|	|	0.04
330.750	0.00	0.01	0.020	O	|	|	|	|	0.05	335.917	0.00	0.01	0.016	O	|	|	|	|	0.04

336.000	0.00	0.01	0.016	O	|	|	|	|	0.04	341.167	0.00	0.01	0.012	O	|	|	|	|	0.03
336.083	0.00	0.01	0.016	O	|	|	|	|	0.04	341.250	0.00	0.01	0.012	O	|	|	|	|	0.03
336.167	0.00	0.01	0.016	O	|	|	|	|	0.04	341.333	0.00	0.01	0.012	O	|	|	|	|	0.03
336.250	0.00	0.01	0.016	O	|	|	|	|	0.04	341.417	0.00	0.01	0.012	O	|	|	|	|	0.03
336.333	0.00	0.01	0.016	O	|	|	|	|	0.04	341.500	0.00	0.01	0.012	O	|	|	|	|	0.03
336.417	0.00	0.01	0.016	O	|	|	|	|	0.04	341.583	0.00	0.01	0.012	O	|	|	|	|	0.03
336.500	0.00	0.01	0.016	O	|	|	|	|	0.04	341.667	0.00	0.01	0.012	O	|	|	|	|	0.03
336.583	0.00	0.01	0.015	O	|	|	|	|	0.04	341.750	0.00	0.01	0.012	O	|	|	|	|	0.03
336.667	0.00	0.01	0.015	O	|	|	|	|	0.04	341.833	0.00	0.01	0.012	O	|	|	|	|	0.03
336.750	0.00	0.01	0.015	O	|	|	|	|	0.04	341.917	0.00	0.01	0.012	O	|	|	|	|	0.03
336.833	0.00	0.01	0.015	O	|	|	|	|	0.04	342.000	0.00	0.01	0.012	O	|	|	|	|	0.03
336.917	0.00	0.01	0.015	O	|	|	|	|	0.04	342.083	0.00	0.01	0.012	O	|	|	|	|	0.03
337.000	0.00	0.01	0.015	O	|	|	|	|	0.04	342.167	0.00	0.01	0.012	O	|	|	|	|	0.03
337.083	0.00	0.01	0.015	O	|	|	|	|	0.04	342.250	0.00	0.01	0.012	O	|	|	|	|	0.03
337.167	0.00	0.01	0.015	O	|	|	|	|	0.04	342.333	0.00	0.01	0.012	O	|	|	|	|	0.03
337.250	0.00	0.01	0.015	O	|	|	|	|	0.04	342.417	0.00	0.01	0.012	O	|	|	|	|	0.03
337.333	0.00	0.01	0.015	O	|	|	|	|	0.04	342.500	0.00	0.01	0.012	O	|	|	|	|	0.03
337.417	0.00	0.01	0.015	O	|	|	|	|	0.04	342.583	0.00	0.01	0.012	O	|	|	|	|	0.03
337.500	0.00	0.01	0.015	O	|	|	|	|	0.04	342.667	0.00	0.01	0.012	O	|	|	|	|	0.03
337.583	0.00	0.01	0.015	O	|	|	|	|	0.04	342.750	0.00	0.01	0.012	O	|	|	|	|	0.03
337.667	0.00	0.01	0.015	O	|	|	|	|	0.04	342.833	0.00	0.01	0.012	O	|	|	|	|	0.03
337.750	0.00	0.01	0.015	O	|	|	|	|	0.04	342.917	0.00	0.01	0.011	O	|	|	|	|	0.03
337.833	0.00	0.01	0.015	O	|	|	|	|	0.04	343.000	0.00	0.01	0.011	O	|	|	|	|	0.03
337.917	0.00	0.01	0.015	O	|	|	|	|	0.03	343.083	0.00	0.01	0.011	O	|	|	|	|	0.03
338.000	0.00	0.01	0.014	O	|	|	|	|	0.03	343.167	0.00	0.01	0.011	O	|	|	|	|	0.03
338.083	0.00	0.01	0.014	O	|	|	|	|	0.03	343.250	0.00	0.01	0.011	O	|	|	|	|	0.03
338.167	0.00	0.01	0.014	O	|	|	|	|	0.03	343.333	0.00	0.01	0.011	O	|	|	|	|	0.03
338.250	0.00	0.01	0.014	O	|	|	|	|	0.03	343.417	0.00	0.01	0.011	O	|	|	|	|	0.03
338.333	0.00	0.01	0.014	O	|	|	|	|	0.03	343.500	0.00	0.01	0.011	O	|	|	|	|	0.03
338.417	0.00	0.01	0.014	O	|	|	|	|	0.03	343.583	0.00	0.01	0.011	O	|	|	|	|	0.03
338.500	0.00	0.01	0.014	O	|	|	|	|	0.03	343.667	0.00	0.01	0.011	O	|	|	|	|	0.03
338.583	0.00	0.01	0.014	O	|	|	|	|	0.03	343.750	0.00	0.01	0.011	O	|	|	|	|	0.03
338.667	0.00	0.01	0.014	O	|	|	|	|	0.03	343.833	0.00	0.01	0.011	O	|	|	|	|	0.03
338.750	0.00	0.01	0.014	O	|	|	|	|	0.03	343.917	0.00	0.01	0.011	O	|	|	|	|	0.03
338.833	0.00	0.01	0.014	O	|	|	|	|	0.03	344.000	0.00	0.01	0.011	O	|	|	|	|	0.03
338.917	0.00	0.01	0.014	O	|	|	|	|	0.03	344.083	0.00	0.01	0.011	O	|	|	|	|	0.03
339.000	0.00	0.01	0.014	O	|	|	|	|	0.03	344.167	0.00	0.01	0.011	O	|	|	|	|	0.03
339.083	0.00	0.01	0.014	O	|	|	|	|	0.03	344.250	0.00	0.01	0.011	O	|	|	|	|	0.03
339.167	0.00	0.01	0.014	O	|	|	|	|	0.03	344.333	0.00	0.01	0.011	O	|	|	|	|	0.03
339.250	0.00	0.01	0.014	O	|	|	|	|	0.03	344.417	0.00	0.01	0.011	O	|	|	|	|	0.03
339.333	0.00	0.01	0.014	O	|	|	|	|	0.03	344.500	0.00	0.01	0.011	O	|	|	|	|	0.03
339.417	0.00	0.01	0.014	O	|	|	|	|	0.03	344.583	0.00	0.01	0.011	O	|	|	|	|	0.03
339.500	0.00	0.01	0.013	O	|	|	|	|	0.03	344.667	0.00	0.01	0.011	O	|	|	|	|	0.03
339.583	0.00	0.01	0.013	O	|	|	|	|	0.03	344.750	0.00	0.01	0.011	O	|	|	|	|	0.03
339.667	0.00	0.01	0.013	O	|	|	|	|	0.03	344.833	0.00	0.01	0.010	O	|	|	|	|	0.03
339.750	0.00	0.01	0.013	O	|	|	|	|	0.03	344.917	0.00	0.01	0.010	O	|	|	|	|	0.03
339.833	0.00	0.01	0.013	O	|	|	|	|	0.03	345.000	0.00	0.01	0.010	O	|	|	|	|	0.02
339.917	0.00	0.01	0.013	O	|	|	|	|	0.03	345.083	0.00	0.01	0.010	O	|	|	|	|	0.02
340.000	0.00	0.01	0.013	O	|	|	|	|	0.03	345.167	0.00	0.01	0.010	O	|	|	|	|	0.02
340.083	0.00	0.01	0.013	O	|	|	|	|	0.03	345.250	0.00	0.01	0.010	O	|	|	|	|	0.02
340.167	0.00	0.01	0.013	O	|	|	|	|	0.03	345.333	0.00	0.01	0.010	O	|	|	|	|	0.02
340.250	0.00	0.01	0.013	O	|	|	|	|	0.03	345.417	0.00	0.01	0.010	O	|	|	|	|	0.02
340.333	0.00	0.01	0.013	O	|	|	|	|	0.03	345.500	0.00	0.01	0.010	O	|	|	|	|	0.02
340.417	0.00	0.01	0.013	O	|	|	|	|	0.03	345.583	0.00	0.01	0.010	O	|	|	|	|	0.02
340.500	0.00	0.01	0.013	O	|	|	|	|	0.03	345.667	0.00	0.01	0.010	O	|	|	|	|	0.02
340.583	0.00	0.01	0.013	O	|	|	|	|	0.03	345.750	0.00	0.01	0.010	O	|	|	|	|	0.02
340.667	0.00	0.01	0.013	O	|	|	|	|	0.03	345.833	0.00	0.01	0.010	O	|	|	|	|	0.02
340.750	0.00	0.01	0.013	O	|	|	|	|	0.03	345.917	0.00	0.01	0.010	O	|	|	|	|	0.02
340.833	0.00	0.01	0.013	O	|	|	|	|	0.03	346.000	0.00	0.01	0.010	O	|	|	|	|	0.02
340.917	0.00	0.01	0.013	O	|	|	|	|	0.03	346.083	0.00	0.01	0.010	O	|	|	|	|	0.02
341.000	0.00	0.01	0.013	O	|	|	|	|	0.03	346.167	0.00	0.01	0.010	O	|	|	|	|	0.02
341.083	0.00	0.01	0.013	O	|	|	|	|	0.03	346.250	0.00	0.01	0.010	O	|	|	|	|	0.02

346.333	0.00	0.01	0.010	O	|	|	|	|	0.02	351.500	0.00	0.00	0.008	O	|	|	|	|	0.02
346.417	0.00	0.01	0.010	O	|	|	|	|	0.02	351.583	0.00	0.00	0.008	O	|	|	|	|	0.02
346.500	0.00	0.01	0.010	O	|	|	|	|	0.02	351.667	0.00	0.00	0.008	O	|	|	|	|	0.02
346.583	0.00	0.01	0.010	O	|	|	|	|	0.02	351.750	0.00	0.00	0.008	O	|	|	|	|	0.02
346.667	0.00	0.01	0.010	O	|	|	|	|	0.02	351.833	0.00	0.00	0.008	O	|	|	|	|	0.02
346.750	0.00	0.01	0.010	O	|	|	|	|	0.02	351.917	0.00	0.00	0.007	O	|	|	|	|	0.02
346.833	0.00	0.01	0.010	O	|	|	|	|	0.02	352.000	0.00	0.00	0.007	O	|	|	|	|	0.02
346.917	0.00	0.01	0.009	O	|	|	|	|	0.02	352.083	0.00	0.00	0.007	O	|	|	|	|	0.02
347.000	0.00	0.01	0.009	O	|	|	|	|	0.02	352.167	0.00	0.00	0.007	O	|	|	|	|	0.02
347.083	0.00	0.01	0.009	O	|	|	|	|	0.02	352.250	0.00	0.00	0.007	O	|	|	|	|	0.02
347.167	0.00	0.01	0.009	O	|	|	|	|	0.02	352.333	0.00	0.00	0.007	O	|	|	|	|	0.02
347.250	0.00	0.01	0.009	O	|	|	|	|	0.02	352.417	0.00	0.00	0.007	O	|	|	|	|	0.02
347.333	0.00	0.01	0.009	O	|	|	|	|	0.02	352.500	0.00	0.00	0.007	O	|	|	|	|	0.02
347.417	0.00	0.01	0.009	O	|	|	|	|	0.02	352.583	0.00	0.00	0.007	O	|	|	|	|	0.02
347.500	0.00	0.01	0.009	O	|	|	|	|	0.02	352.667	0.00	0.00	0.007	O	|	|	|	|	0.02
347.583	0.00	0.01	0.009	O	|	|	|	|	0.02	352.750	0.00	0.00	0.007	O	|	|	|	|	0.02
347.667	0.00	0.01	0.009	O	|	|	|	|	0.02	352.833	0.00	0.00	0.007	O	|	|	|	|	0.02
347.750	0.00	0.01	0.009	O	|	|	|	|	0.02	352.917	0.00	0.00	0.007	O	|	|	|	|	0.02
347.833	0.00	0.01	0.009	O	|	|	|	|	0.02	353.000	0.00	0.00	0.007	O	|	|	|	|	0.02
347.917	0.00	0.01	0.009	O	|	|	|	|	0.02	353.083	0.00	0.00	0.007	O	|	|	|	|	0.02
348.000	0.00	0.01	0.009	O	|	|	|	|	0.02	353.167	0.00	0.00	0.007	O	|	|	|	|	0.02
348.083	0.00	0.01	0.009	O	|	|	|	|	0.02	353.250	0.00	0.00	0.007	O	|	|	|	|	0.02
348.167	0.00	0.01	0.009	O	|	|	|	|	0.02	353.333	0.00	0.00	0.007	O	|	|	|	|	0.02
348.250	0.00	0.01	0.009	O	|	|	|	|	0.02	353.417	0.00	0.00	0.007	O	|	|	|	|	0.02
348.333	0.00	0.01	0.009	O	|	|	|	|	0.02	353.500	0.00	0.00	0.007	O	|	|	|	|	0.02
348.417	0.00	0.01	0.009	O	|	|	|	|	0.02	353.583	0.00	0.00	0.007	O	|	|	|	|	0.02
348.500	0.00	0.01	0.009	O	|	|	|	|	0.02	353.667	0.00	0.00	0.007	O	|	|	|	|	0.02
348.583	0.00	0.01	0.009	O	|	|	|	|	0.02	353.750	0.00	0.00	0.007	O	|	|	|	|	0.02
348.667	0.00	0.01	0.009	O	|	|	|	|	0.02	353.833	0.00	0.00	0.007	O	|	|	|	|	0.02
348.750	0.00	0.01	0.009	O	|	|	|	|	0.02	353.917	0.00	0.00	0.007	O	|	|	|	|	0.02
348.833	0.00	0.00	0.009	O	|	|	|	|	0.02	354.000	0.00	0.00	0.007	O	|	|	|	|	0.02
348.917	0.00	0.00	0.009	O	|	|	|	|	0.02	354.083	0.00	0.00	0.007	O	|	|	|	|	0.02
349.000	0.00	0.00	0.009	O	|	|	|	|	0.02	354.167	0.00	0.00	0.007	O	|	|	|	|	0.02
349.083	0.00	0.00	0.009	O	|	|	|	|	0.02	354.250	0.00	0.00	0.007	O	|	|	|	|	0.02
349.167	0.00	0.00	0.009	O	|	|	|	|	0.02	354.333	0.00	0.00	0.007	O	|	|	|	|	0.02
349.250	0.00	0.00	0.008	O	|	|	|	|	0.02	354.417	0.00	0.00	0.007	O	|	|	|	|	0.02
349.333	0.00	0.00	0.008	O	|	|	|	|	0.02	354.500	0.00	0.00	0.007	O	|	|	|	|	0.02
349.417	0.00	0.00	0.008	O	|	|	|	|	0.02	354.583	0.00	0.00	0.007	O	|	|	|	|	0.02
349.500	0.00	0.00	0.008	O	|	|	|	|	0.02	354.667	0.00	0.00	0.007	O	|	|	|	|	0.02
349.583	0.00	0.00	0.008	O	|	|	|	|	0.02	354.750	0.00	0.00	0.007	O	|	|	|	|	0.02
349.667	0.00	0.00	0.008	O	|	|	|	|	0.02	354.833	0.00	0.00	0.007	O	|	|	|	|	0.02
349.750	0.00	0.00	0.008	O	|	|	|	|	0.02	354.917	0.00	0.00	0.006	O	|	|	|	|	0.02
349.833	0.00	0.00	0.008	O	|	|	|	|	0.02	355.000	0.00	0.00	0.006	O	|	|	|	|	0.02
349.917	0.00	0.00	0.008	O	|	|	|	|	0.02	355.083	0.00	0.00	0.006	O	|	|	|	|	0.02
350.000	0.00	0.00	0.008	O	|	|	|	|	0.02	355.167	0.00	0.00	0.006	O	|	|	|	|	0.02
350.083	0.00	0.00	0.008	O	|	|	|	|	0.02	355.250	0.00	0.00	0.006	O	|	|	|	|	0.02
350.167	0.00	0.00	0.008	O	|	|	|	|	0.02	355.333	0.00	0.00	0.006	O	|	|	|	|	0.02
350.250	0.00	0.00	0.008	O	|	|	|	|	0.02	355.417	0.00	0.00	0.006	O	|	|	|	|	0.02
350.333	0.00	0.00	0.008	O	|	|	|	|	0.02	355.500	0.00	0.00	0.006	O	|	|	|	|	0.02
350.417	0.00	0.00	0.008	O	|	|	|	|	0.02	355.583	0.00	0.00	0.006	O	|	|	|	|	0.02
350.500	0.00	0.00	0.008	O	|	|	|	|	0.02	355.667	0.00	0.00	0.006	O	|	|	|	|	0.01
350.583	0.00	0.00	0.008	O	|	|	|	|	0.02	355.750	0.00	0.00	0.006	O	|	|	|	|	0.01
350.667	0.00	0.00	0.008	O	|	|	|	|	0.02	355.833	0.00	0.00	0.006	O	|	|	|	|	0.01
350.750	0.00	0.00	0.008	O	|	|	|	|	0.02	355.917	0.00	0.00	0.006	O	|	|	|	|	0.01
350.833	0.00	0.00	0.008	O	|	|	|	|	0.02	356.000	0.00	0.00	0.006	O	|	|	|	|	0.01
350.917	0.00	0.00	0.008	O	|	|	|	|	0.02	356.083	0.00	0.00	0.006	O	|	|	|	|	0.01
351.000	0.00	0.00	0.008	O	|	|	|	|	0.02	356.167	0.00	0.00	0.006	O	|	|	|	|	0.01
351.083	0.00	0.00	0.008	O	|	|	|	|	0.02	356.250	0.00	0.00	0.006	O	|	|	|	|	0.01
351.167	0.00	0.00	0.008	O	|	|	|	|	0.02	356.333	0.00	0.00	0.006	O	|	|	|	|	0.01
351.250	0.00	0.00	0.008	O	|	|	|	|	0.02	356.417	0.00	0.00	0.006	O	|	|	|	|	0.01
351.333	0.00	0.00	0.008	O	|	|	|	|	0.02	356.500	0.00	0.00	0.006	O	|	|	|	|	0.01
351.417	0.00	0.00	0.008	O	|	|	|	|	0.02	356.583	0.00	0.00	0.006	O	|	|	|	|	0.01

356.667	0.00	0.00	0.006	O	|	|	|	|	0.01	361.833	0.00	0.00	0.005	O	|	|	|	|	0.01
356.750	0.00	0.00	0.006	O	|	|	|	|	0.01	361.917	0.00	0.00	0.005	O	|	|	|	|	0.01
356.833	0.00	0.00	0.006	O	|	|	|	|	0.01	362.000	0.00	0.00	0.005	O	|	|	|	|	0.01
356.917	0.00	0.00	0.006	O	|	|	|	|	0.01	362.083	0.00	0.00	0.005	O	|	|	|	|	0.01
357.000	0.00	0.00	0.006	O	|	|	|	|	0.01	362.167	0.00	0.00	0.005	O	|	|	|	|	0.01
357.083	0.00	0.00	0.006	O	|	|	|	|	0.01	362.250	0.00	0.00	0.005	O	|	|	|	|	0.01
357.167	0.00	0.00	0.006	O	|	|	|	|	0.01	362.333	0.00	0.00	0.005	O	|	|	|	|	0.01
357.250	0.00	0.00	0.006	O	|	|	|	|	0.01	362.417	0.00	0.00	0.005	O	|	|	|	|	0.01
357.333	0.00	0.00	0.006	O	|	|	|	|	0.01	362.500	0.00	0.00	0.005	O	|	|	|	|	0.01
357.417	0.00	0.00	0.006	O	|	|	|	|	0.01	362.583	0.00	0.00	0.004	O	|	|	|	|	0.01
357.500	0.00	0.00	0.006	O	|	|	|	|	0.01	362.667	0.00	0.00	0.004	O	|	|	|	|	0.01
357.583	0.00	0.00	0.006	O	|	|	|	|	0.01	362.750	0.00	0.00	0.004	O	|	|	|	|	0.01
357.667	0.00	0.00	0.006	O	|	|	|	|	0.01	362.833	0.00	0.00	0.004	O	|	|	|	|	0.01
357.750	0.00	0.00	0.006	O	|	|	|	|	0.01	362.917	0.00	0.00	0.004	O	|	|	|	|	0.01
357.833	0.00	0.00	0.006	O	|	|	|	|	0.01	363.000	0.00	0.00	0.004	O	|	|	|	|	0.01
357.917	0.00	0.00	0.006	O	|	|	|	|	0.01	363.083	0.00	0.00	0.004	O	|	|	|	|	0.01
358.000	0.00	0.00	0.006	O	|	|	|	|	0.01	363.167	0.00	0.00	0.004	O	|	|	|	|	0.01
358.083	0.00	0.00	0.006	O	|	|	|	|	0.01	363.250	0.00	0.00	0.004	O	|	|	|	|	0.01
358.167	0.00	0.00	0.006	O	|	|	|	|	0.01	363.333	0.00	0.00	0.004	O	|	|	|	|	0.01
358.250	0.00	0.00	0.006	O	|	|	|	|	0.01	363.417	0.00	0.00	0.004	O	|	|	|	|	0.01
358.333	0.00	0.00	0.006	O	|	|	|	|	0.01	363.500	0.00	0.00	0.004	O	|	|	|	|	0.01
358.417	0.00	0.00	0.005	O	|	|	|	|	0.01	363.583	0.00	0.00	0.004	O	|	|	|	|	0.01
358.500	0.00	0.00	0.005	O	|	|	|	|	0.01	363.667	0.00	0.00	0.004	O	|	|	|	|	0.01
358.583	0.00	0.00	0.005	O	|	|	|	|	0.01	363.750	0.00	0.00	0.004	O	|	|	|	|	0.01
358.667	0.00	0.00	0.005	O	|	|	|	|	0.01	363.833	0.00	0.00	0.004	O	|	|	|	|	0.01
358.750	0.00	0.00	0.005	O	|	|	|	|	0.01	363.917	0.00	0.00	0.004	O	|	|	|	|	0.01
358.833	0.00	0.00	0.005	O	|	|	|	|	0.01	364.000	0.00	0.00	0.004	O	|	|	|	|	0.01
358.917	0.00	0.00	0.005	O	|	|	|	|	0.01	364.083	0.00	0.00	0.004	O	|	|	|	|	0.01
359.000	0.00	0.00	0.005	O	|	|	|	|	0.01	364.167	0.00	0.00	0.004	O	|	|	|	|	0.01
359.083	0.00	0.00	0.005	O	|	|	|	|	0.01	364.250	0.00	0.00	0.004	O	|	|	|	|	0.01
359.167	0.00	0.00	0.005	O	|	|	|	|	0.01	364.333	0.00	0.00	0.004	O	|	|	|	|	0.01
359.250	0.00	0.00	0.005	O	|	|	|	|	0.01	364.417	0.00	0.00	0.004	O	|	|	|	|	0.01
359.333	0.00	0.00	0.005	O	|	|	|	|	0.01	364.500	0.00	0.00	0.004	O	|	|	|	|	0.01
359.417	0.00	0.00	0.005	O	|	|	|	|	0.01	364.583	0.00	0.00	0.004	O	|	|	|	|	0.01
359.500	0.00	0.00	0.005	O	|	|	|	|	0.01	364.667	0.00	0.00	0.004	O	|	|	|	|	0.01
359.583	0.00	0.00	0.005	O	|	|	|	|	0.01	364.750	0.00	0.00	0.004	O	|	|	|	|	0.01
359.667	0.00	0.00	0.005	O	|	|	|	|	0.01	364.833	0.00	0.00	0.004	O	|	|	|	|	0.01
359.750	0.00	0.00	0.005	O	|	|	|	|	0.01	364.917	0.00	0.00	0.004	O	|	|	|	|	0.01
359.833	0.00	0.00	0.005	O	|	|	|	|	0.01	365.000	0.00	0.00	0.004	O	|	|	|	|	0.01
359.917	0.00	0.00	0.005	O	|	|	|	|	0.01	365.083	0.00	0.00	0.004	O	|	|	|	|	0.01
360.000	0.00	0.00	0.005	O	|	|	|	|	0.01	365.167	0.00	0.00	0.004	O	|	|	|	|	0.01
360.083	0.00	0.00	0.005	O	|	|	|	|	0.01	365.250	0.00	0.00	0.004	O	|	|	|	|	0.01
360.167	0.00	0.00	0.005	O	|	|	|	|	0.01	365.333	0.00	0.00	0.004	O	|	|	|	|	0.01
360.250	0.00	0.00	0.005	O	|	|	|	|	0.01	365.417	0.00	0.00	0.004	O	|	|	|	|	0.01
360.333	0.00	0.00	0.005	O	|	|	|	|	0.01	365.500	0.00	0.00	0.004	O	|	|	|	|	0.01
360.417	0.00	0.00	0.005	O	|	|	|	|	0.01	365.583	0.00	0.00	0.004	O	|	|	|	|	0.01
360.500	0.00	0.00	0.005	O	|	|	|	|	0.01	365.667	0.00	0.00	0.004	O	|	|	|	|	0.01
360.583	0.00	0.00	0.005	O	|	|	|	|	0.01	365.750	0.00	0.00	0.004	O	|	|	|	|	0.01
360.667	0.00	0.00	0.005	O	|	|	|	|	0.01	365.833	0.00	0.00	0.004	O	|	|	|	|	0.01
360.750	0.00	0.00	0.005	O	|	|	|	|	0.01	365.917	0.00	0.00	0.004	O	|	|	|	|	0.01
360.833	0.00	0.00	0.005	O	|	|	|	|	0.01	366.000	0.00	0.00	0.004	O	|	|	|	|	0.01
360.917	0.00	0.00	0.005	O	|	|	|	|	0.01	366.083	0.00	0.00	0.004	O	|	|	|	|	0.01
361.000	0.00	0.00	0.005	O	|	|	|	|	0.01	366.167	0.00	0.00	0.004	O	|	|	|	|	0.01
361.083	0.00	0.00	0.005	O	|	|	|	|	0.01	366.250	0.00	0.00	0.004	O	|	|	|	|	0.01
361.167	0.00	0.00	0.005	O	|	|	|	|	0.01	366.333	0.00	0.00	0.004	O	|	|	|	|	0.01
361.250	0.00	0.00	0.005	O	|	|	|	|	0.01	366.417	0.00	0.00	0.004	O	|	|	|	|	0.01
361.333	0.00	0.00	0.005	O	|	|	|	|	0.01	366.500	0.00	0.00	0.004	O	|	|	|	|	0.01
361.417	0.00	0.00	0.005	O	|	|	|	|	0.01	366.583	0.00	0.00	0.004	O	|	|	|	|	0.01
361.500	0.00	0.00	0.005	O	|	|	|	|	0.01	366.667	0.00	0.00	0.004	O	|	|	|	|	0.01
361.583	0.00	0.00	0.005	O	|	|	|	|	0.01	366.750	0.00	0.00	0.004	O	|	|	|	|	0.01
361.667	0.00	0.00	0.005	O	|	|	|	|	0.01	366.833	0.00	0.00	0.004	O	|	|	|	|	0.01
361.750	0.00	0.00	0.005	O	|	|	|	|	0.01	366.917	0.00	0.00	0.004	O	|	|	|	|	0.01

367.000	0.00	0.00	0.004	O	|	|	|	|	0.01	372.167	0.00	0.00	0.003	O	|	|	|	|	0.01
367.083	0.00	0.00	0.004	O	|	|	|	|	0.01	372.250	0.00	0.00	0.003	O	|	|	|	|	0.01
367.167	0.00	0.00	0.004	O	|	|	|	|	0.01	372.333	0.00	0.00	0.003	O	|	|	|	|	0.01
367.250	0.00	0.00	0.004	O	|	|	|	|	0.01	372.417	0.00	0.00	0.003	O	|	|	|	|	0.01
367.333	0.00	0.00	0.004	O	|	|	|	|	0.01	372.500	0.00	0.00	0.003	O	|	|	|	|	0.01
367.417	0.00	0.00	0.004	O	|	|	|	|	0.01	372.583	0.00	0.00	0.003	O	|	|	|	|	0.01
367.500	0.00	0.00	0.004	O	|	|	|	|	0.01	372.667	0.00	0.00	0.003	O	|	|	|	|	0.01
367.583	0.00	0.00	0.004	O	|	|	|	|	0.01	372.750	0.00	0.00	0.003	O	|	|	|	|	0.01
367.667	0.00	0.00	0.004	O	|	|	|	|	0.01	372.833	0.00	0.00	0.003	O	|	|	|	|	0.01
367.750	0.00	0.00	0.004	O	|	|	|	|	0.01	372.917	0.00	0.00	0.003	O	|	|	|	|	0.01
367.833	0.00	0.00	0.004	O	|	|	|	|	0.01	373.000	0.00	0.00	0.003	O	|	|	|	|	0.01
367.917	0.00	0.00	0.003	O	|	|	|	|	0.01	373.083	0.00	0.00	0.003	O	|	|	|	|	0.01
368.000	0.00	0.00	0.003	O	|	|	|	|	0.01	373.167	0.00	0.00	0.003	O	|	|	|	|	0.01
368.083	0.00	0.00	0.003	O	|	|	|	|	0.01	373.250	0.00	0.00	0.003	O	|	|	|	|	0.01
368.167	0.00	0.00	0.003	O	|	|	|	|	0.01	373.333	0.00	0.00	0.003	O	|	|	|	|	0.01
368.250	0.00	0.00	0.003	O	|	|	|	|	0.01	373.417	0.00	0.00	0.003	O	|	|	|	|	0.01
368.333	0.00	0.00	0.003	O	|	|	|	|	0.01	373.500	0.00	0.00	0.003	O	|	|	|	|	0.01
368.417	0.00	0.00	0.003	O	|	|	|	|	0.01	373.583	0.00	0.00	0.003	O	|	|	|	|	0.01
368.500	0.00	0.00	0.003	O	|	|	|	|	0.01	373.667	0.00	0.00	0.003	O	|	|	|	|	0.01
368.583	0.00	0.00	0.003	O	|	|	|	|	0.01	373.750	0.00	0.00	0.003	O	|	|	|	|	0.01
368.667	0.00	0.00	0.003	O	|	|	|	|	0.01	373.833	0.00	0.00	0.003	O	|	|	|	|	0.01
368.750	0.00	0.00	0.003	O	|	|	|	|	0.01	373.917	0.00	0.00	0.003	O	|	|	|	|	0.01
368.833	0.00	0.00	0.003	O	|	|	|	|	0.01	374.000	0.00	0.00	0.003	O	|	|	|	|	0.01
368.917	0.00	0.00	0.003	O	|	|	|	|	0.01	374.083	0.00	0.00	0.003	O	|	|	|	|	0.01
369.000	0.00	0.00	0.003	O	|	|	|	|	0.01	374.167	0.00	0.00	0.003	O	|	|	|	|	0.01
369.083	0.00	0.00	0.003	O	|	|	|	|	0.01	374.250	0.00	0.00	0.003	O	|	|	|	|	0.01
369.167	0.00	0.00	0.003	O	|	|	|	|	0.01	374.333	0.00	0.00	0.003	O	|	|	|	|	0.01
369.250	0.00	0.00	0.003	O	|	|	|	|	0.01	374.417	0.00	0.00	0.003	O	|	|	|	|	0.01
369.333	0.00	0.00	0.003	O	|	|	|	|	0.01	374.500	0.00	0.00	0.003	O	|	|	|	|	0.01
369.417	0.00	0.00	0.003	O	|	|	|	|	0.01	374.583	0.00	0.00	0.003	O	|	|	|	|	0.01
369.500	0.00	0.00	0.003	O	|	|	|	|	0.01	374.667	0.00	0.00	0.003	O	|	|	|	|	0.01
369.583	0.00	0.00	0.003	O	|	|	|	|	0.01	374.750	0.00	0.00	0.003	O	|	|	|	|	0.01
369.667	0.00	0.00	0.003	O	|	|	|	|	0.01	374.833	0.00	0.00	0.003	O	|	|	|	|	0.01
369.750	0.00	0.00	0.003	O	|	|	|	|	0.01	374.917	0.00	0.00	0.003	O	|	|	|	|	0.01
369.833	0.00	0.00	0.003	O	|	|	|	|	0.01	375.000	0.00	0.00	0.002	O	|	|	|	|	0.01
369.917	0.00	0.00	0.003	O	|	|	|	|	0.01	375.083	0.00	0.00	0.002	O	|	|	|	|	0.01
370.000	0.00	0.00	0.003	O	|	|	|	|	0.01	375.167	0.00	0.00	0.002	O	|	|	|	|	0.01
370.083	0.00	0.00	0.003	O	|	|	|	|	0.01	375.250	0.00	0.00	0.002	O	|	|	|	|	0.01
370.167	0.00	0.00	0.003	O	|	|	|	|	0.01	375.333	0.00	0.00	0.002	O	|	|	|	|	0.01
370.250	0.00	0.00	0.003	O	|	|	|	|	0.01	375.417	0.00	0.00	0.002	O	|	|	|	|	0.01
370.333	0.00	0.00	0.003	O	|	|	|	|	0.01	375.500	0.00	0.00	0.002	O	|	|	|	|	0.01
370.417	0.00	0.00	0.003	O	|	|	|	|	0.01	375.583	0.00	0.00	0.002	O	|	|	|	|	0.01
370.500	0.00	0.00	0.003	O	|	|	|	|	0.01	375.667	0.00	0.00	0.002	O	|	|	|	|	0.01
370.583	0.00	0.00	0.003	O	|	|	|	|	0.01	375.750	0.00	0.00	0.002	O	|	|	|	|	0.01
370.667	0.00	0.00	0.003	O	|	|	|	|	0.01	375.833	0.00	0.00	0.002	O	|	|	|	|	0.01
370.750	0.00	0.00	0.003	O	|	|	|	|	0.01	375.917	0.00	0.00	0.002	O	|	|	|	|	0.01
370.833	0.00	0.00	0.003	O	|	|	|	|	0.01	376.000	0.00	0.00	0.002	O	|	|	|	|	0.01
370.917	0.00	0.00	0.003	O	|	|	|	|	0.01	376.083	0.00	0.00	0.002	O	|	|	|	|	0.01
371.000	0.00	0.00	0.003	O	|	|	|	|	0.01	376.167	0.00	0.00	0.002	O	|	|	|	|	0.01
371.083	0.00	0.00	0.003	O	|	|	|	|	0.01	376.250	0.00	0.00	0.002	O	|	|	|	|	0.01
371.167	0.00	0.00	0.003	O	|	|	|	|	0.01	376.333	0.00	0.00	0.002	O	|	|	|	|	0.01
371.250	0.00	0.00	0.003	O	|	|	|	|	0.01	376.417	0.00	0.00	0.002	O	|	|	|	|	0.01
371.333	0.00	0.00	0.003	O	|	|	|	|	0.01	376.500	0.00	0.00	0.002	O	|	|	|	|	0.01
371.417	0.00	0.00	0.003	O	|	|	|	|	0.01	376.583	0.00	0.00	0.002	O	|	|	|	|	0.01
371.500	0.00	0.00	0.003	O	|	|	|	|	0.01	376.667	0.00	0.00	0.002	O	|	|	|	|	0.01
371.583	0.00	0.00	0.003	O	|	|	|	|	0.01	376.750	0.00	0.00	0.002	O	|	|	|	|	0.01
371.667	0.00	0.00	0.003	O	|	|	|	|	0.01	376.833	0.00	0.00	0.002	O	|	|	|	|	0.01
371.750	0.00	0.00	0.003	O	|	|	|	|	0.01	376.917	0.00	0.00	0.002	O	|	|	|	|	0.01
371.833	0.00	0.00	0.003	O	|	|	|	|	0.01	377.000	0.00	0.00	0.002	O	|	|	|	|	0.01
371.917	0.00	0.00	0.003	O	|	|	|	|	0.01	377.083	0.00	0.00	0.002	O	|	|	|	|	0.01
372.000	0.00	0.00	0.003	O	|	|	|	|	0.01	377.167	0.00	0.00	0.002	O	|	|	|	|	0.01
372.083	0.00	0.00	0.003	O	|	|	|	|	0.01	377.250	0.00	0.00	0.002	O	|	|	|	|	0.01

377.333	0.00	0.00	0.002	O	|	|	|	|	0.01
377.417	0.00	0.00	0.002	O	|	|	|	|	0.01
377.500	0.00	0.00	0.002	O	|	|	|	|	0.01
377.583	0.00	0.00	0.002	O	|	|	|	|	0.01
377.667	0.00	0.00	0.002	O	|	|	|	|	0.01
377.750	0.00	0.00	0.002	O	|	|	|	|	0.01
377.833	0.00	0.00	0.002	O	|	|	|	|	0.01
377.917	0.00	0.00	0.002	O	|	|	|	|	0.01
378.000	0.00	0.00	0.002	O	|	|	|	|	0.01
378.083	0.00	0.00	0.002	O	|	|	|	|	0.01
378.167	0.00	0.00	0.002	O	|	|	|	|	0.01
378.250	0.00	0.00	0.002	O	|	|	|	|	0.01
378.333	0.00	0.00	0.002	O	|	|	|	|	0.01
378.417	0.00	0.00	0.002	O	|	|	|	|	0.01
378.500	0.00	0.00	0.002	O	|	|	|	|	0.01
378.583	0.00	0.00	0.002	O	|	|	|	|	0.01
378.667	0.00	0.00	0.002	O	|	|	|	|	0.01
378.750	0.00	0.00	0.002	O	|	|	|	|	0.01
378.833	0.00	0.00	0.002	O	|	|	|	|	0.00
378.917	0.00	0.00	0.002	O	|	|	|	|	0.00
379.000	0.00	0.00	0.002	O	|	|	|	|	0.00
379.083	0.00	0.00	0.002	O	|	|	|	|	0.00
379.167	0.00	0.00	0.002	O	|	|	|	|	0.00
379.250	0.00	0.00	0.002	O	|	|	|	|	0.00
379.333	0.00	0.00	0.002	O	|	|	|	|	0.00
379.417	0.00	0.00	0.002	O	|	|	|	|	0.00
379.500	0.00	0.00	0.002	O	|	|	|	|	0.00
379.583	0.00	0.00	0.002	O	|	|	|	|	0.00
379.667	0.00	0.00	0.002	O	|	|	|	|	0.00
379.750	0.00	0.00	0.002	O	|	|	|	|	0.00
379.833	0.00	0.00	0.002	O	|	|	|	|	0.00
379.917	0.00	0.00	0.002	O	|	|	|	|	0.00
380.000	0.00	0.00	0.002	O	|	|	|	|	0.00
380.083	0.00	0.00	0.002	O	|	|	|	|	0.00
380.167	0.00	0.00	0.002	O	|	|	|	|	0.00
380.250	0.00	0.00	0.002	O	|	|	|	|	0.00
380.333	0.00	0.00	0.002	O	|	|	|	|	0.00
380.417	0.00	0.00	0.002	O	|	|	|	|	0.00
380.500	0.00	0.00	0.002	O	|	|	|	|	0.00
380.583	0.00	0.00	0.002	O	|	|	|	|	0.00
380.667	0.00	0.00	0.002	O	|	|	|	|	0.00
380.750	0.00	0.00	0.002	O	|	|	|	|	0.00
380.833	0.00	0.00	0.002	O	|	|	|	|	0.00
380.917	0.00	0.00	0.002	O	|	|	|	|	0.00
381.000	0.00	0.00	0.002	O	|	|	|	|	0.00
381.083	0.00	0.00	0.002	O	|	|	|	|	0.00
381.167	0.00	0.00	0.002	O	|	|	|	|	0.00
381.250	0.00	0.00	0.002	O	|	|	|	|	0.00
381.333	0.00	0.00	0.002	O	|	|	|	|	0.00
381.417	0.00	0.00	0.002	O	|	|	|	|	0.00
381.500	0.00	0.00	0.002	O	|	|	|	|	0.00
381.583	0.00	0.00	0.002	O	|	|	|	|	0.00
381.667	0.00	0.00	0.002	O	|	|	|	|	0.00
381.750	0.00	0.00	0.002	O	|	|	|	|	0.00
381.833	0.00	0.00	0.002	O	|	|	|	|	0.00
381.917	0.00	0.00	0.002	O	|	|	|	|	0.00
382.000	0.00	0.00	0.002	O	|	|	|	|	0.00
382.083	0.00	0.00	0.002	O	|	|	|	|	0.00
382.167	0.00	0.00	0.002	O	|	|	|	|	0.00
382.250	0.00	0.00	0.002	O	|	|	|	|	0.00
382.333	0.00	0.00	0.002	O	|	|	|	|	0.00
382.417	0.00	0.00	0.002	O	|	|	|	|	0.00
382.500	0.00	0.00	0.002	O	|	|	|	|	0.00
382.583	0.00	0.00	0.002	O	|	|	|	|	0.00
382.667	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 4592
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 78.501 (CFS)
Total volume = 47.041 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	57.262	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	24.418	0.000	0.000	0.000	0.000

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Process from Point/Station 4.200 to Point/Station 4.200

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 1 the total
volume of 24.42 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	33.7	67.4	101.0	134.7
0+ 5	0.0003	0.00	Q	|	|	|	|
0+10	0.0025	0.01	Q	|	|	|	|
0+15	0.0073	0.03	Q	|	|	|	|
0+20	0.0134	0.05	Q	|	|	|	|
0+25	0.0211	0.08	Q	|	|	|	|
0+30	0.0304	0.11	Q	|	|	|	|
0+35	0.0403	0.14	Q	|	|	|	|
0+40	0.0506	0.17	Q	|	|	|	|
0+45	0.0610	0.20	Q	|	|	|	|
0+50	0.0716	0.23	Q	|	|	|	|
0+55	0.0831	0.27	Q	|	|	|	|
1+ 0	0.0960	0.31	Q	|	|	|	|
1+ 5	0.1093	0.35	Q	|	|	|	|
1+10	0.1219	0.37	Q	|	|	|	|
1+15	0.1333	0.39	Q	|	|	|	|
1+20	0.1441	0.41	Q	|	|	|	|
1+25	0.1546	0.42	Q	|	|	|	|
1+30	0.1650	0.44	Q	|	|	|	|
1+35	0.1753	0.46	Q	|	|	|	|
1+40	0.1856	0.48	Q	|	|	|	|
1+45	0.1958	0.49	Q	|	|	|	|
1+50	0.2025	0.51	Q	|	|	|	|
1+55	0.2072	0.52	Q	|	|	|	|

2+ 0	0.2123	0.53	Q					7+10	0.5322	1.29	Q								
2+ 5	0.2178	0.55	Q					7+15	0.5370	1.31	Q								
2+10	0.2233	0.56	Q					7+20	0.5419	1.32	Q								
2+15	0.2289	0.58	Q					7+25	0.5469	1.34	Q								
2+20	0.2345	0.59	Q					7+30	0.5520	1.35	Q								
2+25	0.2401	0.61	Q					7+35	0.5571	1.37	Q								
2+30	0.2457	0.62	Q					7+40	0.5624	1.39	Q								
2+35	0.2514	0.64	Q					7+45	0.5679	1.41	Q								
2+40	0.2574	0.65	Q					7+50	0.5736	1.42	Q								
2+45	0.2640	0.67	Q					7+55	0.5795	1.43	Q								
2+50	0.2708	0.69	Q					8+ 0	0.5856	1.45	Q								
2+55	0.2778	0.71	Q					8+ 5	0.5918	1.46	Q								
3+ 0	0.2847	0.72	Q					8+10	0.5981	1.47	Q								
3+ 5	0.2913	0.74	Q					8+15	0.6047	1.49	Q								
3+10	0.2963	0.75	Q					8+20	0.6116	1.50	Q								
3+15	0.3013	0.76	Q					8+25	0.6186	1.51	Q								
3+20	0.3063	0.77	Q					8+30	0.6257	1.53	Q								
3+25	0.3113	0.78	Q					8+35	0.6319	1.54	Q								
3+30	0.3163	0.80	Q					8+40	0.6370	1.55	Q								
3+35	0.3214	0.81	Q					8+45	0.6423	1.56	Q								
3+40	0.3264	0.82	Q					8+50	0.6476	1.58	Q								
3+45	0.3314	0.83	Q					8+55	0.6531	1.59	Q								
3+50	0.3364	0.84	Q					9+ 0	0.6588	1.60	Q								
3+55	0.3417	0.85	Q					9+ 5	0.6643	1.62	Q								
4+ 0	0.3474	0.87	Q					9+10	0.6699	1.63	Q								
4+ 5	0.3533	0.88	Q					9+15	0.6758	1.64	Q								
4+10	0.3593	0.89	Q					9+20	0.6819	1.65	Q								
4+15	0.3642	0.90	Q					9+25	0.6882	1.67	Q								
4+20	0.3689	0.91	Q					9+30	0.6959	1.68	Q								
4+25	0.3740	0.93	Q					9+35	0.7042	1.70	Q								
4+30	0.3793	0.94	Q					9+40	0.7128	1.71	Q								
4+35	0.3847	0.95	Q					9+45	0.7215	1.73	Q								
4+40	0.3902	0.97	Q					9+50	0.7302	1.75	Q								
4+45	0.3958	0.98	Q					9+55	0.7366	1.76	Q								
4+50	0.4014	0.99	Q					10+ 0	0.7432	1.78	Q								
4+55	0.4072	1.00	Q					10+ 5	0.7497	1.79	Q								
5+ 0	0.4133	1.02	Q					10+10	0.7556	1.96	Q								
5+ 5	0.4196	1.03	Q					10+15	0.7604	4.31	qQ								
5+10	0.4242	1.04	Q					10+20	0.7633	6.40	qQ								
5+15	0.4282	1.05	Q					10+25	0.7661	8.32	q Q								
5+20	0.4321	1.06	Q					10+30	0.7688	10.10	q Q								
5+25	0.4360	1.07	Q					10+35	0.7716	11.88	q Q								
5+30	0.4401	1.08	Q					10+40	0.7746	13.89	q Q								
5+35	0.4444	1.09	Q					10+45	0.7780	16.08	q Q								
5+40	0.4488	1.10	Q					10+50	1.6433	18.98	q Q								
5+45	0.4536	1.11	Q					10+55	3.6388	22.38	|q Q								
5+50	0.4585	1.12	Q					11+ 0	5.5494	25.64	|q Q								
5+55	0.4635	1.13	Q					11+ 5	7.3618	28.73	| q Q |							
6+ 0	0.4685	1.14	Q					11+10	9.0494	31.58	| q Q|							
6+ 5	0.4726	1.15	Q					11+15	10.6073	34.21	| q Q |							
6+10	0.4766	1.16	Q					11+20	12.0621	36.68	| q Q |							
6+15	0.4808	1.17	Q					11+25	13.3968	38.97	| q |Q |							
6+20	0.4852	1.18	Q					11+30	14.6147	41.11	| q | Q |							
6+25	0.4896	1.19	Q					11+35	15.7604	43.10	| q | Q |							
6+30	0.4940	1.20	Q					11+40	16.7885	44.84	| q | Q |							
6+35	0.4985	1.21	Q					11+45	17.6855	46.33	| q | Q |							
6+40	0.5032	1.22	Q					11+50	18.5018	48.51	| q | Q |							
6+45	0.5081	1.23	Q					11+55	19.2897	51.22	| q | Q |							
6+50	0.5129	1.24	Q					12+ 0	20.0692	53.75	| q | Q |							
6+55	0.5177	1.25	Q					12+ 5	20.8577	56.42	| q | Q |							
7+ 0	0.5225	1.27	Q					12+10	21.8210	60.20	| q | Q |							
7+ 5	0.5273	1.28	Q					12+15	23.0151	64.82	| q | Q|							

| | | |

22+40	4.4952	9.42	|qQ	|	|	|	|	27+50	0.0000	1.05	Q	|	|	|	|
22+45	4.4163	9.26	|qQ	|	|	|	|	27+55	0.0000	1.05	Q	|	|	|	|
22+50	4.3406	9.10	|qQ	|	|	|	|	28+ 0	0.0000	1.04	Q	|	|	|	|
22+55	4.2685	8.96	|qQ	|	|	|	|	28+ 5	0.0000	1.04	Q	|	|	|	|
23+ 0	4.1999	8.83	|qQ	|	|	|	|	28+10	0.0000	1.04	Q	|	|	|	|
23+ 5	4.1349	8.70	|qQ	|	|	|	|	28+15	0.0000	1.04	Q	|	|	|	|
23+10	4.0733	8.58	|qQ	|	|	|	|	28+20	0.0000	1.04	Q	|	|	|	|
23+15	4.0150	8.47	|qQ	|	|	|	|	28+25	0.0000	1.04	Q	|	|	|	|
23+20	3.9599	8.36	|qQ	|	|	|	|	28+30	0.0000	1.04	Q	|	|	|	|
23+25	3.9078	8.26	|qQ	|	|	|	|	28+35	0.0000	1.04	Q	|	|	|	|
23+30	3.8586	8.17	|qQ	|	|	|	|	28+40	0.0000	1.04	Q	|	|	|	|
23+35	3.8120	8.08	|qQ	|	|	|	|	28+45	0.0000	1.04	Q	|	|	|	|
23+40	3.7679	8.00	|qQ	|	|	|	|	28+50	0.0000	1.04	Q	|	|	|	|
23+45	3.7262	7.92	|qQ	|	|	|	|	28+55	0.0000	1.04	Q	|	|	|	|
23+50	3.6868	7.85	|qQ	|	|	|	|	29+ 0	0.0000	1.04	Q	|	|	|	|
23+55	3.6496	7.78	|qQ	|	|	|	|	29+ 5	0.0000	1.04	Q	|	|	|	|
24+ 0	3.6143	7.71	|qQ	|	|	|	|	29+10	0.0000	1.04	Q	|	|	|	|
24+ 5	0.0000	4.04	qQ	|	|	|	|	29+15	0.0000	1.04	Q	|	|	|	|
24+10	0.0000	3.89	qQ	|	|	|	|	29+20	0.0000	1.04	Q	|	|	|	|
24+15	0.0000	3.67	qQ	|	|	|	|	29+25	0.0000	1.04	Q	|	|	|	|
24+20	0.0000	3.43	qQ	|	|	|	|	29+30	0.0000	1.04	Q	|	|	|	|
24+25	0.0000	3.21	Q	|	|	|	|	29+35	0.0000	1.04	Q	|	|	|	|
24+30	0.0000	3.00	Q	|	|	|	|	29+40	0.0000	1.04	Q	|	|	|	|
24+35	0.0000	2.80	Q	|	|	|	|	29+45	0.0000	1.04	Q	|	|	|	|
24+40	0.0000	2.61	Q	|	|	|	|	29+50	0.0000	1.04	Q	|	|	|	|
24+45	0.0000	2.44	Q	|	|	|	|	29+55	0.0000	1.04	Q	|	|	|	|
24+50	0.0000	2.28	Q	|	|	|	|	30+ 0	0.0000	1.04	Q	|	|	|	|
24+55	0.0000	2.13	Q	|	|	|	|	30+ 5	0.0000	1.04	Q	|	|	|	|
25+ 0	0.0000	1.99	Q	|	|	|	|	30+10	0.0000	1.04	Q	|	|	|	|
25+ 5	0.0000	1.86	Q	|	|	|	|	30+15	0.0000	1.04	Q	|	|	|	|
25+10	0.0000	1.74	Q	|	|	|	|	30+20	0.0000	1.04	Q	|	|	|	|
25+15	0.0000	1.62	Q	|	|	|	|	30+25	0.0000	1.04	Q	|	|	|	|
25+20	0.0000	1.51	Q	|	|	|	|	30+30	0.0000	1.04	Q	|	|	|	|
25+25	0.0000	1.41	Q	|	|	|	|	30+35	0.0000	1.04	Q	|	|	|	|
25+30	0.0000	1.32	Q	|	|	|	|	30+40	0.0000	1.04	Q	|	|	|	|
25+35	0.0000	1.23	Q	|	|	|	|	30+45	0.0000	1.04	Q	|	|	|	|
25+40	0.0000	1.15	Q	|	|	|	|	30+50	0.0000	1.04	Q	|	|	|	|
25+45	0.0000	1.08	Q	|	|	|	|	30+55	0.0000	1.04	Q	|	|	|	|
25+50	0.0000	1.05	Q	|	|	|	|	31+ 0	0.0000	1.04	Q	|	|	|	|
25+55	0.0000	1.05	Q	|	|	|	|	31+ 5	0.0000	1.04	Q	|	|	|	|
26+ 0	0.0000	1.05	Q	|	|	|	|	31+10	0.0000	1.04	Q	|	|	|	|
26+ 5	0.0000	1.05	Q	|	|	|	|	31+15	0.0000	1.04	Q	|	|	|	|
26+10	0.0000	1.05	Q	|	|	|	|	31+20	0.0000	1.04	Q	|	|	|	|
26+15	0.0000	1.05	Q	|	|	|	|	31+25	0.0000	1.04	Q	|	|	|	|
26+20	0.0000	1.05	Q	|	|	|	|	31+30	0.0000	1.04	Q	|	|	|	|
26+25	0.0000	1.05	Q	|	|	|	|	31+35	0.0000	1.04	Q	|	|	|	|
26+30	0.0000	1.05	Q	|	|	|	|	31+40	0.0000	1.04	Q	|	|	|	|
26+35	0.0000	1.05	Q	|	|	|	|	31+45	0.0000	1.04	Q	|	|	|	|
26+40	0.0000	1.05	Q	|	|	|	|	31+50	0.0000	1.04	Q	|	|	|	|
26+45	0.0000	1.05	Q	|	|	|	|	31+55	0.0000	1.04	Q	|	|	|	|
26+50	0.0000	1.05	Q	|	|	|	|	32+ 0	0.0000	1.04	Q	|	|	|	|
26+55	0.0000	1.05	Q	|	|	|	|	32+ 5	0.0000	1.04	Q	|	|	|	|
27+ 0	0.0000	1.05	Q	|	|	|	|	32+10	0.0000	1.04	Q	|	|	|	|
27+ 5	0.0000	1.05	Q	|	|	|	|	32+15	0.0000	1.04	Q	|	|	|	|
27+10	0.0000	1.05	Q	|	|	|	|	32+20	0.0000	1.04	Q	|	|	|	|
27+15	0.0000	1.05	Q	|	|	|	|	32+25	0.0000	1.03	Q	|	|	|	|
27+20	0.0000	1.05	Q	|	|	|	|	32+30	0.0000	1.03	Q	|	|	|	|
27+25	0.0000	1.05	Q	|	|	|	|	32+35	0.0000	1.03	Q	|	|	|	|
27+30	0.0000	1.05	Q	|	|	|	|	32+40	0.0000	1.03	Q	|	|	|	|
27+35	0.0000	1.05	Q	|	|	|	|	32+45	0.0000	1.03	Q	|	|	|	|
27+40	0.0000	1.05	Q	|	|	|	|	32+50	0.0000	1.03	Q	|	|	|	|
27+45	0.0000	1.05	Q	|	|	|	|	32+55	0.0000	1.03	Q	|	|	|	|

33+ 0	0.0000	1.03	Q					38+10	0.0000	1.02	Q				
33+ 5	0.0000	1.03	Q					38+15	0.0000	1.02	Q				
33+10	0.0000	1.03	Q					38+20	0.0000	1.02	Q				
33+15	0.0000	1.03	Q					38+25	0.0000	1.02	Q				
33+20	0.0000	1.03	Q					38+30	0.0000	1.02	Q				
33+25	0.0000	1.03	Q					38+35	0.0000	1.02	Q				
33+30	0.0000	1.03	Q					38+40	0.0000	1.02	Q				
33+35	0.0000	1.03	Q					38+45	0.0000	1.02	Q				
33+40	0.0000	1.03	Q					38+50	0.0000	1.02	Q				
33+45	0.0000	1.03	Q					38+55	0.0000	1.02	Q				
33+50	0.0000	1.03	Q					39+ 0	0.0000	1.02	Q				
33+55	0.0000	1.03	Q					39+ 5	0.0000	1.02	Q				
34+ 0	0.0000	1.03	Q					39+10	0.0000	1.02	Q				
34+ 5	0.0000	1.03	Q					39+15	0.0000	1.02	Q				
34+10	0.0000	1.03	Q					39+20	0.0000	1.02	Q				
34+15	0.0000	1.03	Q					39+25	0.0000	1.02	Q				
34+20	0.0000	1.03	Q					39+30	0.0000	1.02	Q				
34+25	0.0000	1.03	Q					39+35	0.0000	1.02	Q				
34+30	0.0000	1.03	Q					39+40	0.0000	1.02	Q				
34+35	0.0000	1.03	Q					39+45	0.0000	1.02	Q				
34+40	0.0000	1.03	Q					39+50	0.0000	1.02	Q				
34+45	0.0000	1.03	Q					39+55	0.0000	1.02	Q				
34+50	0.0000	1.03	Q					40+ 0	0.0000	1.02	Q				
34+55	0.0000	1.03	Q					40+ 5	0.0000	1.02	Q				
35+ 0	0.0000	1.03	Q					40+10	0.0000	1.02	Q				
35+ 5	0.0000	1.03	Q					40+15	0.0000	1.02	Q				
35+10	0.0000	1.03	Q					40+20	0.0000	1.02	Q				
35+15	0.0000	1.03	Q					40+25	0.0000	1.02	Q				
35+20	0.0000	1.03	Q					40+30	0.0000	1.02	Q				
35+25	0.0000	1.03	Q					40+35	0.0000	1.02	Q				
35+30	0.0000	1.03	Q					40+40	0.0000	1.02	Q				
35+35	0.0000	1.03	Q					40+45	0.0000	1.02	Q				
35+40	0.0000	1.03	Q					40+50	0.0000	1.02	Q				
35+45	0.0000	1.03	Q					40+55	0.0000	1.02	Q				
35+50	0.0000	1.03	Q					41+ 0	0.0000	1.02	Q				
35+55	0.0000	1.03	Q					41+ 5	0.0000	1.02	Q				
36+ 0	0.0000	1.03	Q					41+10	0.0000	1.02	Q				
36+ 5	0.0000	1.03	Q					41+15	0.0000	1.02	Q				
36+10	0.0000	1.03	Q					41+20	0.0000	1.02	Q				
36+15	0.0000	1.03	Q					41+25	0.0000	1.01	Q				
36+20	0.0000	1.03	Q					41+30	0.0000	1.01	Q				
36+25	0.0000	1.03	Q					41+35	0.0000	1.01	Q				
36+30	0.0000	1.03	Q					41+40	0.0000	1.01	Q				
36+35	0.0000	1.03	Q					41+45	0.0000	1.01	Q				
36+40	0.0000	1.03	Q					41+50	0.0000	1.01	Q				
36+45	0.0000	1.03	Q					41+55	0.0000	1.01	Q				
36+50	0.0000	1.03	Q					42+ 0	0.0000	1.01	Q				
36+55	0.0000	1.02	Q					42+ 5	0.0000	1.01	Q				
37+ 0	0.0000	1.02	Q					42+10	0.0000	1.01	Q				
37+ 5	0.0000	1.02	Q					42+15	0.0000	1.01	Q				
37+10	0.0000	1.02	Q					42+20	0.0000	1.01	Q				
37+15	0.0000	1.02	Q					42+25	0.0000	1.01	Q				
37+20	0.0000	1.02	Q					42+30	0.0000	1.01	Q				
37+25	0.0000	1.02	Q					42+35	0.0000	1.01	Q				
37+30	0.0000	1.02	Q					42+40	0.0000	1.01	Q				
37+35	0.0000	1.02	Q					42+45	0.0000	1.01	Q				
37+40	0.0000	1.02	Q					42+50	0.0000	1.01	Q				
37+45	0.0000	1.02	Q					42+55	0.0000	1.01	Q				
37+50	0.0000	1.02	Q					43+ 0	0.0000	1.01	Q				
37+55	0.0000	1.02	Q					43+ 5	0.0000	1.01	Q				
38+ 0	0.0000	1.02	Q					43+10	0.0000	1.01	Q				
38+ 5	0.0000	1.02	Q					43+15	0.0000	1.01	Q				

43+20	0.0000	1.01	Q					48+30	0.0000	1.00	Q				
43+25	0.0000	1.01	Q					48+35	0.0000	1.00	Q				
43+30	0.0000	1.01	Q					48+40	0.0000	1.00	Q				
43+35	0.0000	1.01	Q					48+45	0.0000	1.00	Q				
43+40	0.0000	1.01	Q					48+50	0.0000	1.00	Q				
43+45	0.0000	1.01	Q					48+55	0.0000	1.00	Q				
43+50	0.0000	1.01	Q					49+ 0	0.0000	1.00	Q				
43+55	0.0000	1.01	Q					49+ 5	0.0000	1.00	Q				
44+ 0	0.0000	1.01	Q					49+10	0.0000	1.00	Q				
44+ 5	0.0000	1.01	Q					49+15	0.0000	1.00	Q				
44+10	0.0000	1.01	Q					49+20	0.0000	1.00	Q				
44+15	0.0000	1.01	Q					49+25	0.0000	1.00	Q				
44+20	0.0000	1.01	Q					49+30	0.0000	1.00	Q				
44+25	0.0000	1.01	Q					49+35	0.0000	1.00	Q				
44+30	0.0000	1.01	Q					49+40	0.0000	1.00	Q				
44+35	0.0000	1.01	Q					49+45	0.0000	1.00	Q				
44+40	0.0000	1.01	Q					49+50	0.0000	1.00	Q				
44+45	0.0000	1.01	Q					49+55	0.0000	1.00	Q				
44+50	0.0000	1.01	Q					50+ 0	0.0000	1.00	Q				
44+55	0.0000	1.01	Q					50+ 5	0.0000	1.00	Q				
45+ 0	0.0000	1.01	Q					50+10	0.0000	1.00	Q				
45+ 5	0.0000	1.01	Q					50+15	0.0000	1.00	Q				
45+10	0.0000	1.01	Q					50+20	0.0000	1.00	Q				
45+15	0.0000	1.01	Q					50+25	0.0000	1.00	Q				
45+20	0.0000	1.01	Q					50+30	0.0000	1.00	Q				
45+25	0.0000	1.01	Q					50+35	0.0000	1.00	Q				
45+30	0.0000	1.01	Q					50+40	0.0000	1.00	Q				
45+35	0.0000	1.01	Q					50+45	0.0000	1.00	Q				
45+40	0.0000	1.01	Q					50+50	0.0000	1.00	Q				
45+45	0.0000	1.01	Q					50+55	0.0000	1.00	Q				
45+50	0.0000	1.01	Q					51+ 0	0.0000	1.00	Q				
45+55	0.0000	1.01	Q					51+ 5	0.0000	1.00	Q				
46+ 0	0.0000	1.01	Q					51+10	0.0000	1.00	Q				
46+ 5	0.0000	1.01	Q					51+15	0.0000	1.00	Q				
46+10	0.0000	1.01	Q					51+20	0.0000	1.00	Q				
46+15	0.0000	1.01	Q					51+25	0.0000	1.00	Q				
46+20	0.0000	1.01	Q					51+30	0.0000	1.00	Q				
46+25	0.0000	1.01	Q					51+35	0.0000	1.00	Q				
46+30	0.0000	1.01	Q					51+40	0.0000	1.00	Q				
46+35	0.0000	1.00	Q					51+45	0.0000	1.00	Q				
46+40	0.0000	1.00	Q					51+50	0.0000	1.00	Q				
46+45	0.0000	1.00	Q					51+55	0.0000	1.00	Q				
46+50	0.0000	1.00	Q					52+ 0	0.0000	1.00	Q				
46+55	0.0000	1.00	Q					52+ 5	0.0000	1.00	Q				
47+ 0	0.0000	1.00	Q					52+10	0.0000	1.00	Q				
47+ 5	0.0000	1.00	Q					52+15	0.0000	1.00	Q				
47+10	0.0000	1.00	Q					52+20	0.0000	0.99	Q				
47+15	0.0000	1.00	Q					52+25	0.0000	0.99	Q				
47+20	0.0000	1.00	Q					52+30	0.0000	0.99	Q				
47+25	0.0000	1.00	Q					52+35	0.0000	0.99	Q				
47+30	0.0000	1.00	Q					52+40	0.0000	0.99	Q				
47+35	0.0000	1.00	Q					52+45	0.0000	0.99	Q				
47+40	0.0000	1.00	Q					52+50	0.0000	0.99	Q				
47+45	0.0000	1.00	Q					52+55	0.0000	0.99	Q				
47+50	0.0000	1.00	Q					53+ 0	0.0000	0.99	Q				
47+55	0.0000	1.00	Q					53+ 5	0.0000	0.99	Q				
48+ 0	0.0000	1.00	Q					53+10	0.0000	0.99	Q				
48+ 5	0.0000	1.00	Q					53+15	0.0000	0.99	Q				
48+10	0.0000	1.00	Q					53+20	0.0000	0.99	Q				
48+15	0.0000	1.00	Q					53+25	0.0000	0.99	Q				
48+20	0.0000	1.00	Q					53+30	0.0000	0.99	Q				
48+25	0.0000	1.00	Q					53+35	0.0000	0.99	Q				

53+40	0.0000	0.99	Q					58+50	0.0000	0.98	Q				
53+45	0.0000	0.99	Q					58+55	0.0000	0.98	Q				
53+50	0.0000	0.99	Q					59+ 0	0.0000	0.98	Q				
53+55	0.0000	0.99	Q					59+ 5	0.0000	0.98	Q				
54+ 0	0.0000	0.99	Q					59+10	0.0000	0.98	Q				
54+ 5	0.0000	0.99	Q					59+15	0.0000	0.98	Q				
54+10	0.0000	0.99	Q					59+20	0.0000	0.98	Q				
54+15	0.0000	0.99	Q					59+25	0.0000	0.98	Q				
54+20	0.0000	0.99	Q					59+30	0.0000	0.98	Q				
54+25	0.0000	0.99	Q					59+35	0.0000	0.98	Q				
54+30	0.0000	0.99	Q					59+40	0.0000	0.98	Q				
54+35	0.0000	0.99	Q					59+45	0.0000	0.98	Q				
54+40	0.0000	0.99	Q					59+50	0.0000	0.98	Q				
54+45	0.0000	0.99	Q					59+55	0.0000	0.98	Q				
54+50	0.0000	0.99	Q					60+ 0	0.0000	0.98	Q				
54+55	0.0000	0.99	Q					60+ 5	0.0000	0.98	Q				
55+ 0	0.0000	0.99	Q					60+10	0.0000	0.98	Q				
55+ 5	0.0000	0.99	Q					60+15	0.0000	0.98	Q				
55+10	0.0000	0.99	Q					60+20	0.0000	0.98	Q				
55+15	0.0000	0.99	Q					60+25	0.0000	0.98	Q				
55+20	0.0000	0.99	Q					60+30	0.0000	0.98	Q				
55+25	0.0000	0.99	Q					60+35	0.0000	0.98	Q				
55+30	0.0000	0.99	Q					60+40	0.0000	0.98	Q				
55+35	0.0000	0.99	Q					60+45	0.0000	0.98	Q				
55+40	0.0000	0.99	Q					60+50	0.0000	0.98	Q				
55+45	0.0000	0.99	Q					60+55	0.0000	0.98	Q				
55+50	0.0000	0.99	Q					61+ 0	0.0000	0.98	Q				
55+55	0.0000	0.99	Q					61+ 5	0.0000	0.98	Q				
56+ 0	0.0000	0.99	Q					61+10	0.0000	0.98	Q				
56+ 5	0.0000	0.99	Q					61+15	0.0000	0.98	Q				
56+10	0.0000	0.99	Q					61+20	0.0000	0.98	Q				
56+15	0.0000	0.99	Q					61+25	0.0000	0.98	Q				
56+20	0.0000	0.99	Q					61+30	0.0000	0.98	Q				
56+25	0.0000	0.99	Q					61+35	0.0000	0.98	Q				
56+30	0.0000	0.99	Q					61+40	0.0000	0.98	Q				
56+35	0.0000	0.99	Q					61+45	0.0000	0.98	Q				
56+40	0.0000	0.99	Q					61+50	0.0000	0.98	Q				
56+45	0.0000	0.99	Q					61+55	0.0000	0.98	Q				
56+50	0.0000	0.99	Q					62+ 0	0.0000	0.98	Q				
56+55	0.0000	0.99	Q					62+ 5	0.0000	0.98	Q				
57+ 0	0.0000	0.99	Q					62+10	0.0000	0.98	Q				
57+ 5	0.0000	0.99	Q					62+15	0.0000	0.98	Q				
57+10	0.0000	0.99	Q					62+20	0.0000	0.98	Q				
57+15	0.0000	0.99	Q					62+25	0.0000	0.98	Q				
57+20	0.0000	0.99	Q					62+30	0.0000	0.98	Q				
57+25	0.0000	0.99	Q					62+35	0.0000	0.98	Q				
57+30	0.0000	0.99	Q					62+40	0.0000	0.98	Q				
57+35	0.0000	0.99	Q					62+45	0.0000	0.98	Q				
57+40	0.0000	0.99	Q					62+50	0.0000	0.98	Q				
57+45	0.0000	0.99	Q					62+55	0.0000	0.98	Q				
57+50	0.0000	0.99	Q					63+ 0	0.0000	0.98	Q				
57+55	0.0000	0.99	Q					63+ 5	0.0000	0.98	Q				
58+ 0	0.0000	0.99	Q					63+10	0.0000	0.98	Q				
58+ 5	0.0000	0.99	Q					63+15	0.0000	0.98	Q				
58+10	0.0000	0.98	Q					63+20	0.0000	0.98	Q				
58+15	0.0000	0.98	Q					63+25	0.0000	0.98	Q				
58+20	0.0000	0.98	Q					63+30	0.0000	0.98	Q				
58+25	0.0000	0.98	Q					63+35	0.0000	0.98	Q				
58+30	0.0000	0.98	Q					63+40	0.0000	0.98	Q				
58+35	0.0000	0.98	Q					63+45	0.0000	0.98	Q				
58+40	0.0000	0.98	Q					63+50	0.0000	0.97	Q				
58+45	0.0000	0.98	Q					63+55	0.0000	0.97	Q				

64+ 0	0.0000	0.97	Q					69+10	0.0000	0.97	Q				
64+ 5	0.0000	0.97	Q					69+15	0.0000	0.97	Q				
64+10	0.0000	0.97	Q					69+20	0.0000	0.96	Q				
64+15	0.0000	0.97	Q					69+25	0.0000	0.96	Q				
64+20	0.0000	0.97	Q					69+30	0.0000	0.96	Q				
64+25	0.0000	0.97	Q					69+35	0.0000	0.96	Q				
64+30	0.0000	0.97	Q					69+40	0.0000	0.96	Q				
64+35	0.0000	0.97	Q					69+45	0.0000	0.96	Q				
64+40	0.0000	0.97	Q					69+50	0.0000	0.96	Q				
64+45	0.0000	0.97	Q					69+55	0.0000	0.96	Q				
64+50	0.0000	0.97	Q					70+ 0	0.0000	0.96	Q				
64+55	0.0000	0.97	Q					70+ 5	0.0000	0.96	Q				
65+ 0	0.0000	0.97	Q					70+10	0.0000	0.96	Q				
65+ 5	0.0000	0.97	Q					70+15	0.0000	0.96	Q				
65+10	0.0000	0.97	Q					70+20	0.0000	0.96	Q				
65+15	0.0000	0.97	Q					70+25	0.0000	0.96	Q				
65+20	0.0000	0.97	Q					70+30	0.0000	0.96	Q				
65+25	0.0000	0.97	Q					70+35	0.0000	0.96	Q				
65+30	0.0000	0.97	Q					70+40	0.0000	0.96	Q				
65+35	0.0000	0.97	Q					70+45	0.0000	0.96	Q				
65+40	0.0000	0.97	Q					70+50	0.0000	0.96	Q				
65+45	0.0000	0.97	Q					70+55	0.0000	0.96	Q				
65+50	0.0000	0.97	Q					71+ 0	0.0000	0.96	Q				
65+55	0.0000	0.97	Q					71+ 5	0.0000	0.96	Q				
66+ 0	0.0000	0.97	Q					71+10	0.0000	0.96	Q				
66+ 5	0.0000	0.97	Q					71+15	0.0000	0.96	Q				
66+10	0.0000	0.97	Q					71+20	0.0000	0.96	Q				
66+15	0.0000	0.97	Q					71+25	0.0000	0.96	Q				
66+20	0.0000	0.97	Q					71+30	0.0000	0.96	Q				
66+25	0.0000	0.97	Q					71+35	0.0000	0.96	Q				
66+30	0.0000	0.97	Q					71+40	0.0000	0.96	Q				
66+35	0.0000	0.97	Q					71+45	0.0000	0.96	Q				
66+40	0.0000	0.97	Q					71+50	0.0000	0.96	Q				
66+45	0.0000	0.97	Q					71+55	0.0000	0.96	Q				
66+50	0.0000	0.97	Q					72+ 0	0.0000	0.96	Q				
66+55	0.0000	0.97	Q					72+ 5	0.0000	0.96	Q				
67+ 0	0.0000	0.97	Q					72+10	0.0000	0.96	Q				
67+ 5	0.0000	0.97	Q					72+15	0.0000	0.96	Q				
67+10	0.0000	0.97	Q					72+20	0.0000	0.96	Q				
67+15	0.0000	0.97	Q					72+25	0.0000	0.96	Q				
67+20	0.0000	0.97	Q					72+30	0.0000	0.96	Q				
67+25	0.0000	0.97	Q					72+35	0.0000	0.96	Q				
67+30	0.0000	0.97	Q					72+40	0.0000	0.96	Q				
67+35	0.0000	0.97	Q					72+45	0.0000	0.96	Q				
67+40	0.0000	0.97	Q					72+50	0.0000	0.96	Q				
67+45	0.0000	0.97	Q					72+55	0.0000	0.96	Q				
67+50	0.0000	0.97	Q					73+ 0	0.0000	0.96	Q				
67+55	0.0000	0.97	Q					73+ 5	0.0000	0.96	Q				
68+ 0	0.0000	0.97	Q					73+10	0.0000	0.96	Q				
68+ 5	0.0000	0.97	Q					73+15	0.0000	0.96	Q				
68+10	0.0000	0.97	Q					73+20	0.0000	0.96	Q				
68+15	0.0000	0.97	Q					73+25	0.0000	0.96	Q				
68+20	0.0000	0.97	Q					73+30	0.0000	0.96	Q				
68+25	0.0000	0.97	Q					73+35	0.0000	0.96	Q				
68+30	0.0000	0.97	Q					73+40	0.0000	0.96	Q				
68+35	0.0000	0.97	Q					73+45	0.0000	0.96	Q				
68+40	0.0000	0.97	Q					73+50	0.0000	0.96	Q				
68+45	0.0000	0.97	Q					73+55	0.0000	0.96	Q				
68+50	0.0000	0.97	Q					74+ 0	0.0000	0.96	Q				
68+55	0.0000	0.97	Q					74+ 5	0.0000	0.96	Q				
69+ 0	0.0000	0.97	Q					74+10	0.0000	0.96	Q				
69+ 5	0.0000	0.97	Q					74+15	0.0000	0.96	Q				

74+20	0.0000	0.96	Q					79+30	0.0000	0.95	Q				
74+25	0.0000	0.96	Q					79+35	0.0000	0.95	Q				
74+30	0.0000	0.96	Q					79+40	0.0000	0.95	Q				
74+35	0.0000	0.96	Q					79+45	0.0000	0.95	Q				
74+40	0.0000	0.96	Q					79+50	0.0000	0.94	Q				
74+45	0.0000	0.96	Q					79+55	0.0000	0.94	Q				
74+50	0.0000	0.96	Q					80+ 0	0.0000	0.94	Q				
74+55	0.0000	0.96	Q					80+ 5	0.0000	0.94	Q				
75+ 0	0.0000	0.95	Q					80+10	0.0000	0.94	Q				
75+ 5	0.0000	0.95	Q					80+15	0.0000	0.94	Q				
75+10	0.0000	0.95	Q					80+20	0.0000	0.94	Q				
75+15	0.0000	0.95	Q					80+25	0.0000	0.94	Q				
75+20	0.0000	0.95	Q					80+30	0.0000	0.94	Q				
75+25	0.0000	0.95	Q					80+35	0.0000	0.94	Q				
75+30	0.0000	0.95	Q					80+40	0.0000	0.94	Q				
75+35	0.0000	0.95	Q					80+45	0.0000	0.94	Q				
75+40	0.0000	0.95	Q					80+50	0.0000	0.94	Q				
75+45	0.0000	0.95	Q					80+55	0.0000	0.94	Q				
75+50	0.0000	0.95	Q					81+ 0	0.0000	0.94	Q				
75+55	0.0000	0.95	Q					81+ 5	0.0000	0.94	Q				
76+ 0	0.0000	0.95	Q					81+10	0.0000	0.94	Q				
76+ 5	0.0000	0.95	Q					81+15	0.0000	0.94	Q				
76+10	0.0000	0.95	Q					81+20	0.0000	0.94	Q				
76+15	0.0000	0.95	Q					81+25	0.0000	0.94	Q				
76+20	0.0000	0.95	Q					81+30	0.0000	0.94	Q				
76+25	0.0000	0.95	Q					81+35	0.0000	0.94	Q				
76+30	0.0000	0.95	Q					81+40	0.0000	0.94	Q				
76+35	0.0000	0.95	Q					81+45	0.0000	0.94	Q				
76+40	0.0000	0.95	Q					81+50	0.0000	0.94	Q				
76+45	0.0000	0.95	Q					81+55	0.0000	0.94	Q				
76+50	0.0000	0.95	Q					82+ 0	0.0000	0.94	Q				
76+55	0.0000	0.95	Q					82+ 5	0.0000	0.94	Q				
77+ 0	0.0000	0.95	Q					82+10	0.0000	0.94	Q				
77+ 5	0.0000	0.95	Q					82+15	0.0000	0.94	Q				
77+10	0.0000	0.95	Q					82+20	0.0000	0.94	Q				
77+15	0.0000	0.95	Q					82+25	0.0000	0.94	Q				
77+20	0.0000	0.95	Q					82+30	0.0000	0.94	Q				
77+25	0.0000	0.95	Q					82+35	0.0000	0.94	Q				
77+30	0.0000	0.95	Q					82+40	0.0000	0.94	Q				
77+35	0.0000	0.95	Q					82+45	0.0000	0.94	Q				
77+40	0.0000	0.95	Q					82+50	0.0000	0.94	Q				
77+45	0.0000	0.95	Q					82+55	0.0000	0.94	Q				
77+50	0.0000	0.95	Q					83+ 0	0.0000	0.94	Q				
77+55	0.0000	0.95	Q					83+ 5	0.0000	0.94	Q				
78+ 0	0.0000	0.95	Q					83+10	0.0000	0.94	Q				
78+ 5	0.0000	0.95	Q					83+15	0.0000	0.94	Q				
78+10	0.0000	0.95	Q					83+20	0.0000	0.94	Q				
78+15	0.0000	0.95	Q					83+25	0.0000	0.94	Q				
78+20	0.0000	0.95	Q					83+30	0.0000	0.94	Q				
78+25	0.0000	0.95	Q					83+35	0.0000	0.94	Q				
78+30	0.0000	0.95	Q					83+40	0.0000	0.94	Q				
78+35	0.0000	0.95	Q					83+45	0.0000	0.94	Q				
78+40	0.0000	0.95	Q					83+50	0.0000	0.93	Q				
78+45	0.0000	0.95	Q					83+55	0.0000	0.93	Q				
78+50	0.0000	0.95	Q					84+ 0	0.0000	0.93	Q				
78+55	0.0000	0.95	Q					84+ 5	0.0000	0.93	Q				
79+ 0	0.0000	0.95	Q					84+10	0.0000	0.93	Q				
79+ 5	0.0000	0.95	Q					84+15	0.0000	0.93	Q				
79+10	0.0000	0.95	Q					84+20	0.0000	0.93	Q				
79+15	0.0000	0.95	Q					84+25	0.0000	0.93	Q				
79+20	0.0000	0.95	Q					84+30	0.0000	0.93	Q				
79+25	0.0000	0.95	Q					84+35	0.0000	0.93	Q				

84+40	0.0000	0.93	Q					89+50	0.0000	0.92	Q				
84+45	0.0000	0.93	Q					89+55	0.0000	0.92	Q				
84+50	0.0000	0.93	Q					90+ 0	0.0000	0.92	Q				
84+55	0.0000	0.93	Q					90+ 5	0.0000	0.92	Q				
85+ 0	0.0000	0.93	Q					90+10	0.0000	0.92	Q				
85+ 5	0.0000	0.93	Q					90+15	0.0000	0.92	Q				
85+10	0.0000	0.93	Q					90+20	0.0000	0.92	Q				
85+15	0.0000	0.93	Q					90+25	0.0000	0.92	Q				
85+20	0.0000	0.93	Q					90+30	0.0000	0.92	Q				
85+25	0.0000	0.93	Q					90+35	0.0000	0.92	Q				
85+30	0.0000	0.93	Q					90+40	0.0000	0.92	Q				
85+35	0.0000	0.93	Q					90+45	0.0000	0.92	Q				
85+40	0.0000	0.93	Q					90+50	0.0000	0.92	Q				
85+45	0.0000	0.93	Q					90+55	0.0000	0.92	Q				
85+50	0.0000	0.93	Q					91+ 0	0.0000	0.92	Q				
85+55	0.0000	0.93	Q					91+ 5	0.0000	0.92	Q				
86+ 0	0.0000	0.93	Q					91+10	0.0000	0.92	Q				
86+ 5	0.0000	0.93	Q					91+15	0.0000	0.92	Q				
86+10	0.0000	0.93	Q					91+20	0.0000	0.92	Q				
86+15	0.0000	0.93	Q					91+25	0.0000	0.92	Q				
86+20	0.0000	0.93	Q					91+30	0.0000	0.92	Q				
86+25	0.0000	0.93	Q					91+35	0.0000	0.92	Q				
86+30	0.0000	0.93	Q					91+40	0.0000	0.92	Q				
86+35	0.0000	0.93	Q					91+45	0.0000	0.92	Q				
86+40	0.0000	0.93	Q					91+50	0.0000	0.92	Q				
86+45	0.0000	0.93	Q					91+55	0.0000	0.92	Q				
86+50	0.0000	0.93	Q					92+ 0	0.0000	0.91	Q				
86+55	0.0000	0.93	Q					92+ 5	0.0000	0.91	Q				
87+ 0	0.0000	0.93	Q					92+10	0.0000	0.91	Q				
87+ 5	0.0000	0.93	Q					92+15	0.0000	0.91	Q				
87+10	0.0000	0.93	Q					92+20	0.0000	0.91	Q				
87+15	0.0000	0.93	Q					92+25	0.0000	0.91	Q				
87+20	0.0000	0.93	Q					92+30	0.0000	0.91	Q				
87+25	0.0000	0.93	Q					92+35	0.0000	0.91	Q				
87+30	0.0000	0.93	Q					92+40	0.0000	0.91	Q				
87+35	0.0000	0.93	Q					92+45	0.0000	0.91	Q				
87+40	0.0000	0.93	Q					92+50	0.0000	0.91	Q				
87+45	0.0000	0.93	Q					92+55	0.0000	0.91	Q				
87+50	0.0000	0.92	Q					93+ 0	0.0000	0.91	Q				
87+55	0.0000	0.92	Q					93+ 5	0.0000	0.91	Q				
88+ 0	0.0000	0.92	Q					93+10	0.0000	0.91	Q				
88+ 5	0.0000	0.92	Q					93+15	0.0000	0.91	Q				
88+10	0.0000	0.92	Q					93+20	0.0000	0.91	Q				
88+15	0.0000	0.92	Q					93+25	0.0000	0.91	Q				
88+20	0.0000	0.92	Q					93+30	0.0000	0.91	Q				
88+25	0.0000	0.92	Q					93+35	0.0000	0.91	Q				
88+30	0.0000	0.92	Q					93+40	0.0000	0.91	Q				
88+35	0.0000	0.92	Q					93+45	0.0000	0.91	Q				
88+40	0.0000	0.92	Q					93+50	0.0000	0.91	Q				
88+45	0.0000	0.92	Q					93+55	0.0000	0.91	Q				
88+50	0.0000	0.92	Q					94+ 0	0.0000	0.91	Q				
88+55	0.0000	0.92	Q					94+ 5	0.0000	0.91	Q				
89+ 0	0.0000	0.92	Q					94+10	0.0000	0.91	Q				
89+ 5	0.0000	0.92	Q					94+15	0.0000	0.91	Q				
89+10	0.0000	0.92	Q					94+20	0.0000	0.91	Q				
89+15	0.0000	0.92	Q					94+25	0.0000	0.91	Q				
89+20	0.0000	0.92	Q					94+30	0.0000	0.91	Q				
89+25	0.0000	0.92	Q					94+35	0.0000	0.91	Q				
89+30	0.0000	0.92	Q					94+40	0.0000	0.91	Q				
89+35	0.0000	0.92	Q					94+45	0.0000	0.91	Q				
89+40	0.0000	0.92	Q					94+50	0.0000	0.91	Q				
89+45	0.0000	0.92	Q					94+55	0.0000	0.91	Q				

95+ 0	0.0000	0.91	Q					100+10	0.0000	0.90	Q				
95+ 5	0.0000	0.91	Q					100+15	0.0000	0.90	Q				
95+10	0.0000	0.91	Q					100+20	0.0000	0.90	Q				
95+15	0.0000	0.91	Q					100+25	0.0000	0.90	Q				
95+20	0.0000	0.91	Q					100+30	0.0000	0.90	Q				
95+25	0.0000	0.91	Q					100+35	0.0000	0.90	Q				
95+30	0.0000	0.91	Q					100+40	0.0000	0.90	Q				
95+35	0.0000	0.91	Q					100+45	0.0000	0.90	Q				
95+40	0.0000	0.91	Q					100+50	0.0000	0.90	Q				
95+45	0.0000	0.91	Q					100+55	0.0000	0.90	Q				
95+50	0.0000	0.91	Q					101+ 0	0.0000	0.90	Q				
95+55	0.0000	0.91	Q					101+ 5	0.0000	0.90	Q				
96+ 0	0.0000	0.91	Q					101+10	0.0000	0.90	Q				
96+ 5	0.0000	0.91	Q					101+15	0.0000	0.90	Q				
96+10	0.0000	0.91	Q					101+20	0.0000	0.90	Q				
96+15	0.0000	0.91	Q					101+25	0.0000	0.90	Q				
96+20	0.0000	0.91	Q					101+30	0.0000	0.90	Q				
96+25	0.0000	0.91	Q					101+35	0.0000	0.90	Q				
96+30	0.0000	0.91	Q					101+40	0.0000	0.90	Q				
96+35	0.0000	0.90	Q					101+45	0.0000	0.89	Q				
96+40	0.0000	0.90	Q					101+50	0.0000	0.89	Q				
96+45	0.0000	0.90	Q					101+55	0.0000	0.89	Q				
96+50	0.0000	0.90	Q					102+ 0	0.0000	0.89	Q				
96+55	0.0000	0.90	Q					102+ 5	0.0000	0.89	Q				
97+ 0	0.0000	0.90	Q					102+10	0.0000	0.89	Q				
97+ 5	0.0000	0.90	Q					102+15	0.0000	0.89	Q				
97+10	0.0000	0.90	Q					102+20	0.0000	0.89	Q				
97+15	0.0000	0.90	Q					102+25	0.0000	0.89	Q				
97+20	0.0000	0.90	Q					102+30	0.0000	0.89	Q				
97+25	0.0000	0.90	Q					102+35	0.0000	0.89	Q				
97+30	0.0000	0.90	Q					102+40	0.0000	0.89	Q				
97+35	0.0000	0.90	Q					102+45	0.0000	0.89	Q				
97+40	0.0000	0.90	Q					102+50	0.0000	0.89	Q				
97+45	0.0000	0.90	Q					102+55	0.0000	0.89	Q				
97+50	0.0000	0.90	Q					103+ 0	0.0000	0.89	Q				
97+55	0.0000	0.90	Q					103+ 5	0.0000	0.89	Q				
98+ 0	0.0000	0.90	Q					103+10	0.0000	0.89	Q				
98+ 5	0.0000	0.90	Q					103+15	0.0000	0.89	Q				
98+10	0.0000	0.90	Q					103+20	0.0000	0.89	Q				
98+15	0.0000	0.90	Q					103+25	0.0000	0.89	Q				
98+20	0.0000	0.90	Q					103+30	0.0000	0.89	Q				
98+25	0.0000	0.90	Q					103+35	0.0000	0.89	Q				
98+30	0.0000	0.90	Q					103+40	0.0000	0.89	Q				
98+35	0.0000	0.90	Q					103+45	0.0000	0.89	Q				
98+40	0.0000	0.90	Q					103+50	0.0000	0.89	Q				
98+45	0.0000	0.90	Q					103+55	0.0000	0.89	Q				
98+50	0.0000	0.90	Q					104+ 0	0.0000	0.89	Q				
98+55	0.0000	0.90	Q					104+ 5	0.0000	0.89	Q				
99+ 0	0.0000	0.90	Q					104+10	0.0000	0.89	Q				
99+ 5	0.0000	0.90	Q					104+15	0.0000	0.89	Q				
99+10	0.0000	0.90	Q					104+20	0.0000	0.89	Q				
99+15	0.0000	0.90	Q					104+25	0.0000	0.89	Q				
99+20	0.0000	0.90	Q					104+30	0.0000	0.89	Q				
99+25	0.0000	0.90	Q					104+35	0.0000	0.89	Q				
99+30	0.0000	0.90	Q					104+40	0.0000	0.89	Q				
99+35	0.0000	0.90	Q					104+45	0.0000	0.89	Q				
99+40	0.0000	0.90	Q					104+50	0.0000	0.89	Q				
99+45	0.0000	0.90	Q					104+55	0.0000	0.89	Q				
99+50	0.0000	0.90	Q					105+ 0	0.0000	0.89	Q				
99+55	0.0000	0.90	Q					105+ 5	0.0000	0.89	Q				
100+ 0	0.0000	0.90	Q					105+10	0.0000	0.89	Q				
100+ 5	0.0000	0.90	Q					105+15	0.0000	0.89	Q				

105+20	0.0000	0.89	Q					110+30	0.0000	0.88	Q				
105+25	0.0000	0.89	Q					110+35	0.0000	0.88	Q				
105+30	0.0000	0.89	Q					110+40	0.0000	0.88	Q				
105+35	0.0000	0.89	Q					110+45	0.0000	0.88	Q				
105+40	0.0000	0.89	Q					110+50	0.0000	0.88	Q				
105+45	0.0000	0.89	Q					110+55	0.0000	0.88	Q				
105+50	0.0000	0.89	Q					111+ 0	0.0000	0.88	Q				
105+55	0.0000	0.89	Q					111+ 5	0.0000	0.88	Q				
106+ 0	0.0000	0.89	Q					111+10	0.0000	0.88	Q				
106+ 5	0.0000	0.89	Q					111+15	0.0000	0.88	Q				
106+10	0.0000	0.89	Q					111+20	0.0000	0.88	Q				
106+15	0.0000	0.89	Q					111+25	0.0000	0.88	Q				
106+20	0.0000	0.89	Q					111+30	0.0000	0.87	Q				
106+25	0.0000	0.89	Q					111+35	0.0000	0.87	Q				
106+30	0.0000	0.89	Q					111+40	0.0000	0.87	Q				
106+35	0.0000	0.89	Q					111+45	0.0000	0.87	Q				
106+40	0.0000	0.89	Q					111+50	0.0000	0.87	Q				
106+45	0.0000	0.89	Q					111+55	0.0000	0.87	Q				
106+50	0.0000	0.89	Q					112+ 0	0.0000	0.87	Q				
106+55	0.0000	0.89	Q					112+ 5	0.0000	0.87	Q				
107+ 0	0.0000	0.88	Q					112+10	0.0000	0.87	Q				
107+ 5	0.0000	0.88	Q					112+15	0.0000	0.87	Q				
107+10	0.0000	0.88	Q					112+20	0.0000	0.87	Q				
107+15	0.0000	0.88	Q					112+25	0.0000	0.87	Q				
107+20	0.0000	0.88	Q					112+30	0.0000	0.87	Q				
107+25	0.0000	0.88	Q					112+35	0.0000	0.87	Q				
107+30	0.0000	0.88	Q					112+40	0.0000	0.87	Q				
107+35	0.0000	0.88	Q					112+45	0.0000	0.87	Q				
107+40	0.0000	0.88	Q					112+50	0.0000	0.87	Q				
107+45	0.0000	0.88	Q					112+55	0.0000	0.87	Q				
107+50	0.0000	0.88	Q					113+ 0	0.0000	0.87	Q				
107+55	0.0000	0.88	Q					113+ 5	0.0000	0.87	Q				
108+ 0	0.0000	0.88	Q					113+10	0.0000	0.87	Q				
108+ 5	0.0000	0.88	Q					113+15	0.0000	0.87	Q				
108+10	0.0000	0.88	Q					113+20	0.0000	0.87	Q				
108+15	0.0000	0.88	Q					113+25	0.0000	0.87	Q				
108+20	0.0000	0.88	Q					113+30	0.0000	0.87	Q				
108+25	0.0000	0.88	Q					113+35	0.0000	0.87	Q				
108+30	0.0000	0.88	Q					113+40	0.0000	0.87	Q				
108+35	0.0000	0.88	Q					113+45	0.0000	0.87	Q				
108+40	0.0000	0.88	Q					113+50	0.0000	0.87	Q				
108+45	0.0000	0.88	Q					113+55	0.0000	0.87	Q				
108+50	0.0000	0.88	Q					114+ 0	0.0000	0.87	Q				
108+55	0.0000	0.88	Q					114+ 5	0.0000	0.87	Q				
109+ 0	0.0000	0.88	Q					114+10	0.0000	0.87	Q				
109+ 5	0.0000	0.88	Q					114+15	0.0000	0.87	Q				
109+10	0.0000	0.88	Q					114+20	0.0000	0.87	Q				
109+15	0.0000	0.88	Q					114+25	0.0000	0.87	Q				
109+20	0.0000	0.88	Q					114+30	0.0000	0.87	Q				
109+25	0.0000	0.88	Q					114+35	0.0000	0.87	Q				
109+30	0.0000	0.88	Q					114+40	0.0000	0.87	Q				
109+35	0.0000	0.88	Q					114+45	0.0000	0.87	Q				
109+40	0.0000	0.88	Q					114+50	0.0000	0.87	Q				
109+45	0.0000	0.88	Q					114+55	0.0000	0.87	Q				
109+50	0.0000	0.88	Q					115+ 0	0.0000	0.87	Q				
109+55	0.0000	0.88	Q					115+ 5	0.0000	0.87	Q				
110+ 0	0.0000	0.88	Q					115+10	0.0000	0.87	Q				
110+ 5	0.0000	0.88	Q					115+15	0.0000	0.86	Q				
110+10	0.0000	0.88	Q					115+20	0.0000	0.86	Q				
110+15	0.0000	0.88	Q					115+25	0.0000	0.86	Q				
110+20	0.0000	0.88	Q					115+30	0.0000	0.86	Q				
110+25	0.0000	0.88	Q					115+35	0.0000	0.86	Q				

115+40	0.0000	0.86	Q					120+50	0.0000	0.85	Q				
115+45	0.0000	0.86	Q					120+55	0.0000	0.85	Q				
115+50	0.0000	0.86	Q					121+ 0	0.0000	0.85	Q				
115+55	0.0000	0.86	Q					121+ 5	0.0000	0.85	Q				
116+ 0	0.0000	0.86	Q					121+10	0.0000	0.85	Q				
116+ 5	0.0000	0.86	Q					121+15	0.0000	0.85	Q				
116+10	0.0000	0.86	Q					121+20	0.0000	0.85	Q				
116+15	0.0000	0.86	Q					121+25	0.0000	0.85	Q				
116+20	0.0000	0.86	Q					121+30	0.0000	0.85	Q				
116+25	0.0000	0.86	Q					121+35	0.0000	0.85	Q				
116+30	0.0000	0.86	Q					121+40	0.0000	0.85	Q				
116+35	0.0000	0.86	Q					121+45	0.0000	0.85	Q				
116+40	0.0000	0.86	Q					121+50	0.0000	0.85	Q				
116+45	0.0000	0.86	Q					121+55	0.0000	0.85	Q				
116+50	0.0000	0.86	Q					122+ 0	0.0000	0.85	Q				
116+55	0.0000	0.86	Q					122+ 5	0.0000	0.85	Q				
117+ 0	0.0000	0.86	Q					122+10	0.0000	0.85	Q				
117+ 5	0.0000	0.86	Q					122+15	0.0000	0.85	Q				
117+10	0.0000	0.86	Q					122+20	0.0000	0.85	Q				
117+15	0.0000	0.86	Q					122+25	0.0000	0.85	Q				
117+20	0.0000	0.86	Q					122+30	0.0000	0.85	Q				
117+25	0.0000	0.86	Q					122+35	0.0000	0.85	Q				
117+30	0.0000	0.86	Q					122+40	0.0000	0.85	Q				
117+35	0.0000	0.86	Q					122+45	0.0000	0.85	Q				
117+40	0.0000	0.86	Q					122+50	0.0000	0.84	Q				
117+45	0.0000	0.86	Q					122+55	0.0000	0.84	Q				
117+50	0.0000	0.86	Q					123+ 0	0.0000	0.84	Q				
117+55	0.0000	0.86	Q					123+ 5	0.0000	0.84	Q				
118+ 0	0.0000	0.86	Q					123+10	0.0000	0.84	Q				
118+ 5	0.0000	0.86	Q					123+15	0.0000	0.84	Q				
118+10	0.0000	0.86	Q					123+20	0.0000	0.84	Q				
118+15	0.0000	0.86	Q					123+25	0.0000	0.84	Q				
118+20	0.0000	0.86	Q					123+30	0.0000	0.84	Q				
118+25	0.0000	0.86	Q					123+35	0.0000	0.84	Q				
118+30	0.0000	0.86	Q					123+40	0.0000	0.84	Q				
118+35	0.0000	0.86	Q					123+45	0.0000	0.84	Q				
118+40	0.0000	0.86	Q					123+50	0.0000	0.84	Q				
118+45	0.0000	0.86	Q					123+55	0.0000	0.84	Q				
118+50	0.0000	0.86	Q					124+ 0	0.0000	0.84	Q				
118+55	0.0000	0.86	Q					124+ 5	0.0000	0.84	Q				
119+ 0	0.0000	0.85	Q					124+10	0.0000	0.84	Q				
119+ 5	0.0000	0.85	Q					124+15	0.0000	0.84	Q				
119+10	0.0000	0.85	Q					124+20	0.0000	0.84	Q				
119+15	0.0000	0.85	Q					124+25	0.0000	0.84	Q				
119+20	0.0000	0.85	Q					124+30	0.0000	0.84	Q				
119+25	0.0000	0.85	Q					124+35	0.0000	0.84	Q				
119+30	0.0000	0.85	Q					124+40	0.0000	0.84	Q				
119+35	0.0000	0.85	Q					124+45	0.0000	0.84	Q				
119+40	0.0000	0.85	Q					124+50	0.0000	0.84	Q				
119+45	0.0000	0.85	Q					124+55	0.0000	0.84	Q				
119+50	0.0000	0.85	Q					125+ 0	0.0000	0.84	Q				
119+55	0.0000	0.85	Q					125+ 5	0.0000	0.84	Q				
120+ 0	0.0000	0.85	Q					125+10	0.0000	0.84	Q				
120+ 5	0.0000	0.85	Q					125+15	0.0000	0.84	Q				
120+10	0.0000	0.85	Q					125+20	0.0000	0.84	Q				
120+15	0.0000	0.85	Q					125+25	0.0000	0.84	Q				
120+20	0.0000	0.85	Q					125+30	0.0000	0.84	Q				
120+25	0.0000	0.85	Q					125+35	0.0000	0.84	Q				
120+30	0.0000	0.85	Q					125+40	0.0000	0.83	Q				
120+35	0.0000	0.85	Q					125+45	0.0000	0.83	Q				
120+40	0.0000	0.85	Q					125+50	0.0000	0.83	Q				
120+45	0.0000	0.85	Q					125+55	0.0000	0.83	Q				

126+ 0	0.0000	0.83	Q					131+10	0.0000	0.81	Q				
126+ 5	0.0000	0.83	Q					131+15	0.0000	0.80	Q				
126+10	0.0000	0.83	Q					131+20	0.0000	0.80	Q				
126+15	0.0000	0.83	Q					131+25	0.0000	0.80	Q				
126+20	0.0000	0.83	Q					131+30	0.0000	0.80	Q				
126+25	0.0000	0.83	Q					131+35	0.0000	0.80	Q				
126+30	0.0000	0.83	Q					131+40	0.0000	0.80	Q				
126+35	0.0000	0.83	Q					131+45	0.0000	0.80	Q				
126+40	0.0000	0.83	Q					131+50	0.0000	0.80	Q				
126+45	0.0000	0.83	Q					131+55	0.0000	0.80	Q				
126+50	0.0000	0.83	Q					132+ 0	0.0000	0.80	Q				
126+55	0.0000	0.83	Q					132+ 5	0.0000	0.80	Q				
127+ 0	0.0000	0.83	Q					132+10	0.0000	0.80	Q				
127+ 5	0.0000	0.83	Q					132+15	0.0000	0.80	Q				
127+10	0.0000	0.83	Q					132+20	0.0000	0.80	Q				
127+15	0.0000	0.83	Q					132+25	0.0000	0.80	Q				
127+20	0.0000	0.83	Q					132+30	0.0000	0.80	Q				
127+25	0.0000	0.83	Q					132+35	0.0000	0.80	Q				
127+30	0.0000	0.82	Q					132+40	0.0000	0.80	Q				
127+35	0.0000	0.82	Q					132+45	0.0000	0.80	Q				
127+40	0.0000	0.82	Q					132+50	0.0000	0.80	Q				
127+45	0.0000	0.82	Q					132+55	0.0000	0.80	Q				
127+50	0.0000	0.82	Q					133+ 0	0.0000	0.80	Q				
127+55	0.0000	0.82	Q					133+ 5	0.0000	0.79	Q				
128+ 0	0.0000	0.82	Q					133+10	0.0000	0.79	Q				
128+ 5	0.0000	0.82	Q					133+15	0.0000	0.79	Q				
128+10	0.0000	0.82	Q					133+20	0.0000	0.79	Q				
128+15	0.0000	0.82	Q					133+25	0.0000	0.79	Q				
128+20	0.0000	0.82	Q					133+30	0.0000	0.79	Q				
128+25	0.0000	0.82	Q					133+35	0.0000	0.79	Q				
128+30	0.0000	0.82	Q					133+40	0.0000	0.79	Q				
128+35	0.0000	0.82	Q					133+45	0.0000	0.79	Q				
128+40	0.0000	0.82	Q					133+50	0.0000	0.79	Q				
128+45	0.0000	0.82	Q					133+55	0.0000	0.79	Q				
128+50	0.0000	0.82	Q					134+ 0	0.0000	0.79	Q				
128+55	0.0000	0.82	Q					134+ 5	0.0000	0.79	Q				
129+ 0	0.0000	0.82	Q					134+10	0.0000	0.79	Q				
129+ 5	0.0000	0.82	Q					134+15	0.0000	0.79	Q				
129+10	0.0000	0.82	Q					134+20	0.0000	0.79	Q				
129+15	0.0000	0.82	Q					134+25	0.0000	0.79	Q				
129+20	0.0000	0.81	Q					134+30	0.0000	0.79	Q				
129+25	0.0000	0.81	Q					134+35	0.0000	0.79	Q				
129+30	0.0000	0.81	Q					134+40	0.0000	0.79	Q				
129+35	0.0000	0.81	Q					134+45	0.0000	0.79	Q				
129+40	0.0000	0.81	Q					134+50	0.0000	0.79	Q				
129+45	0.0000	0.81	Q					134+55	0.0000	0.79	Q				
129+50	0.0000	0.81	Q					135+ 0	0.0000	0.78	Q				
129+55	0.0000	0.81	Q					135+ 5	0.0000	0.78	Q				
130+ 0	0.0000	0.81	Q					135+10	0.0000	0.78	Q				
130+ 5	0.0000	0.81	Q					135+15	0.0000	0.78	Q				
130+10	0.0000	0.81	Q					135+20	0.0000	0.78	Q				
130+15	0.0000	0.81	Q					135+25	0.0000	0.78	Q				
130+20	0.0000	0.81	Q					135+30	0.0000	0.78	Q				
130+25	0.0000	0.81	Q					135+35	0.0000	0.78	Q				
130+30	0.0000	0.81	Q					135+40	0.0000	0.78	Q				
130+35	0.0000	0.81	Q					135+45	0.0000	0.78	Q				
130+40	0.0000	0.81	Q					135+50	0.0000	0.78	Q				
130+45	0.0000	0.81	Q					135+55	0.0000	0.78	Q				
130+50	0.0000	0.81	Q					136+ 0	0.0000	0.78	Q				
130+55	0.0000	0.81	Q					136+ 5	0.0000	0.78	Q				
131+ 0	0.0000	0.81	Q					136+10	0.0000	0.78	Q				
131+ 5	0.0000	0.81	Q					136+15	0.0000	0.78	Q				

```
 136+20       0.0000      0.78  Q         |         |         |         |
 136+25       0.0000      0.78  Q         |         |         |         |
 136+30       0.0000      0.78  Q         |         |         |         |
 136+35       0.0000      0.78  Q         |         |         |         |
 136+40       0.0000      0.78  Q         |         |         |         |
 136+45       0.0000      0.78  Q         |         |         |         |
 136+50       0.0000      0.78  Q         |         |         |         |
 136+55       0.0000      0.78  Q         |         |         |         |
 137+ 0       0.0000      0.77  Q         |         |         |         |
 137+ 5       0.0000      0.77  Q         |         |         |         |
 137+10       0.0000      0.77  Q         |         |         |         |
 137+15       0.0000      0.77  Q         |         |         |         |
 137+20       0.0000      0.77  Q         |         |         |         |
 137+25       0.0000      0.77  Q         |         |         |         |
 137+30       0.0000      0.77  Q         |         |         |         |
 137+35       0.0000      0.77  Q         |         |         |         |
 137+40       0.0000      0.77  Q         |         |         |         |
 137+45       0.0000      0.77  Q         |         |         |         |
 137+50       0.0000      0.77  Q         |         |         |         |
 137+55       0.0000      0.77  Q         |         |         |         |
 138+ 0       0.0000      0.77  Q         |         |         |         |
 138+ 5       0.0000      0.77  Q         |         |         |         |
 138+10       0.0000      0.77  Q         |         |         |         |
 138+15       0.0000      0.77  Q         |         |         |         |
 138+20       0.0000      0.77  Q         |         |         |         |
 138+25       0.0000      0.77  Q         |         |         |         |
 138+30       0.0000      0.77  Q         |         |         |         |
 138+35       0.0000      0.77  Q         |         |         |         |
 138+40       0.0000      0.77  Q         |         |         |         |
 138+45       0.0000      0.77  Q         |         |         |         |
 138+50       0.0000      0.77  Q         |         |         |         |
 138+55       0.0000      0.76  Q         |         |         |         |
 139+ 0       0.0000      0.76  Q         |         |         |         |
 139+ 5       0.0000      0.76  Q         |         |         |         |
 139+10       0.0000      0.76  Q         |         |         |         |
 139+15       0.0000      0.76  Q         |         |         |         |
 139+20       0.0000      0.76  Q         |         |         |         |
 139+25       0.0000      0.76  Q         |         |         |         |
 139+30       0.0000      0.76  Q         |         |         |         |
 139+35       0.0000      0.76  Q         |         |         |         |
 139+40       0.0000      0.76  Q         |         |         |         |
 139+45       0.0000      0.76  Q         |         |         |         |
 139+50       0.0000      0.76  Q         |         |         |         |
 139+55       0.0000      0.76  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                     Number of intervals =  5002
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =      134.711 (CFS)
                     Total volume =      71.459 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------



        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.200
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
```

```
        _____________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 2 with
        a starting time of   0.00 hours and ending time of  24.00 hours
        With a total volume of      56.41(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                     Number of intervals =     0
                     Time interval =    0.0 (Min.)
                     Maximum/Peak flow rate =        0.000 (CFS)
                     Total volume =       0.000 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000   134.711     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000    56.407     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------



        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.200
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        _____________________________________________________________________
        Current stream hydrograph deleted by user.
        ****************************HYDROGRAPH DATA****************************
                     Number of intervals =     0
                     Time interval =    0.0 (Min.)
                     Maximum/Peak flow rate =        0.000 (CFS)
                     Total volume =       0.000 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000   134.711     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000    56.407     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------

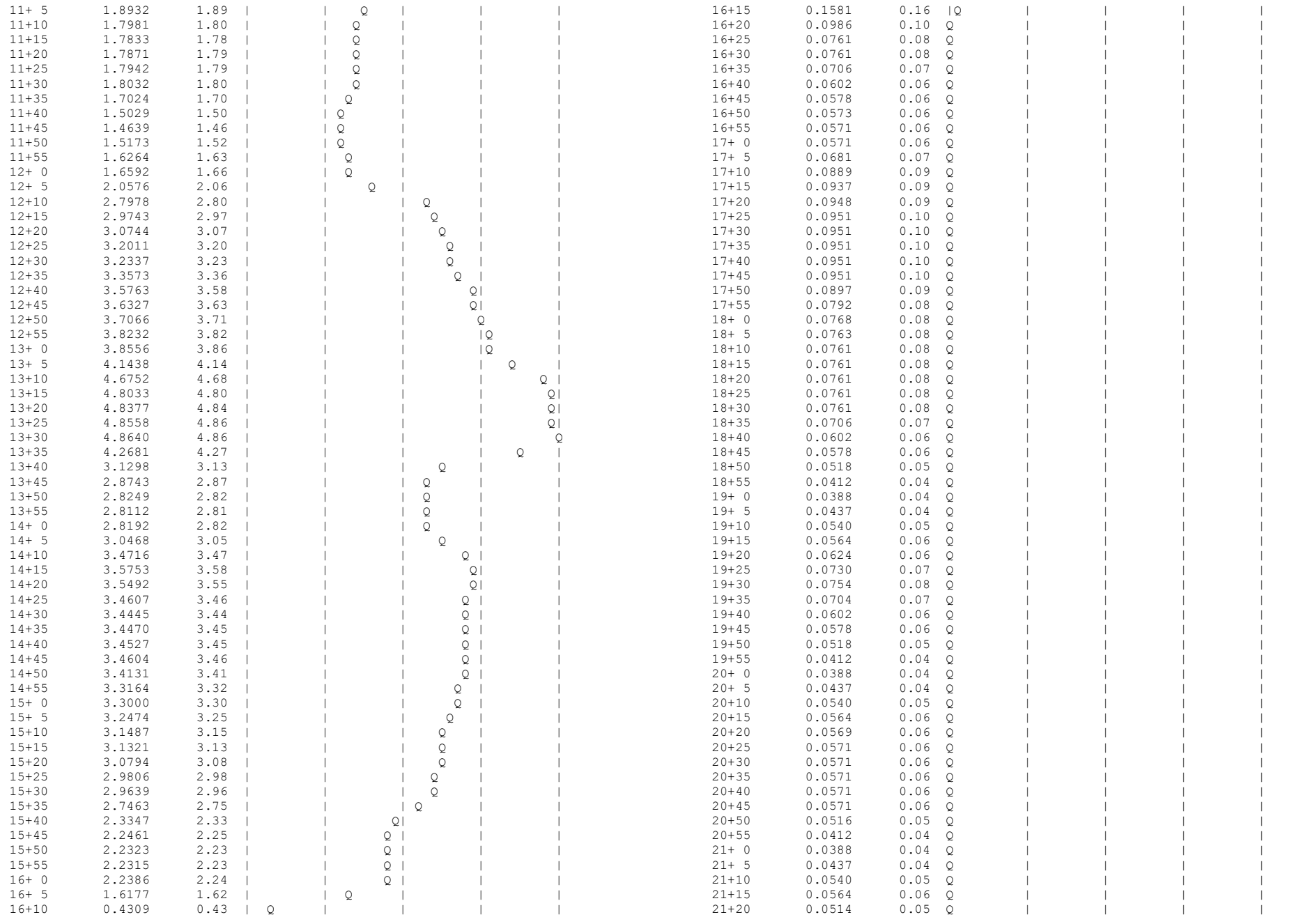


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.390 to Point/Station        4.400
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP4C10024100.rte
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T   O F   S T O R M
                        R u n o f f     H y d r o g r a p h
        -------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        -------------------------------------------------------------------
      Time(h+m) Add q(CFS)  Tot. Q   0        1.2       2.4       3.6       4.9
      ---------------------------------------------------------------------------
        0+ 5       0.0110      0.01  Q         |         |         |         |
        0+10       0.0318      0.03  Q         |         |         |         |
        0+15       0.0366      0.04  Q         |         |         |         |
        0+20       0.0432      0.04  Q         |         |         |         |
        0+25       0.0540      0.05  Q         |         |         |         |
        0+30       0.0564      0.06  Q         |         |         |         |
        0+35       0.0569      0.06  Q         |         |         |         |
        0+40       0.0571      0.06  Q         |         |         |         |
```

0+45	0.0571	0.06	Q					5+55	0.1522	0.15	Q								
0+50	0.0626	0.06	Q					6+ 0	0.1522	0.15	Q								
0+55	0.0730	0.07	Q					6+ 5	0.1577	0.16	Q								
1+ 0	0.0754	0.08	Q					6+10	0.1681	0.17	Q								
1+ 5	0.0704	0.07	Q					6+15	0.1705	0.17	Q								
1+10	0.0602	0.06	Q					6+20	0.1711	0.17	Q								
1+15	0.0578	0.06	Q					6+25	0.1713	0.17	Q								
1+20	0.0573	0.06	Q					6+30	0.1713	0.17	Q								
1+25	0.0571	0.06	Q					6+35	0.1768	0.18	Q								
1+30	0.0571	0.06	Q					6+40	0.1872	0.19	Q								
1+35	0.0571	0.06	Q					6+45	0.1896	0.19	Q								
1+40	0.0571	0.06	Q					6+50	0.1901	0.19	Q								
1+45	0.0571	0.06	Q					6+55	0.1903	0.19	Q								
1+50	0.0626	0.06	Q					7+ 0	0.1903	0.19	Q								
1+55	0.0730	0.07	Q					7+ 5	0.1903	0.19	Q								
2+ 0	0.0754	0.08	Q					7+10	0.1903	0.19	Q								
2+ 5	0.0759	0.08	Q					7+15	0.1903	0.19	Q								
2+10	0.0761	0.08	Q					7+20	0.1958	0.20	Q								
2+15	0.0761	0.08	Q					7+25	0.2062	0.21	Q								
2+20	0.0761	0.08	Q					7+30	0.2086	0.21	Q								
2+25	0.0761	0.08	Q					7+35	0.2146	0.21	Q								
2+30	0.0761	0.08	Q					7+40	0.2252	0.23	Q								
2+35	0.0816	0.08	Q					7+45	0.2276	0.23	Q								
2+40	0.0920	0.09	Q					7+50	0.2336	0.23	Q								
2+45	0.0944	0.09	Q					7+55	0.2465	0.25	Q								
2+50	0.0949	0.09	Q					8+ 0	0.2560	0.26	Q								
2+55	0.0951	0.10	Q					8+ 5	0.3759	0.38	Q								
3+ 0	0.0951	0.10	Q					8+10	0.5946	0.59	Q								
3+ 5	0.0951	0.10	Q					8+15	0.6527	0.65	Q								
3+10	0.0951	0.10	Q					8+20	0.6733	0.67	Q								
3+15	0.0951	0.10	Q					8+25	0.6874	0.69	Q								
3+20	0.0951	0.10	Q					8+30	0.6976	0.70	Q								
3+25	0.0951	0.10	Q					8+35	0.7626	0.76	Q								
3+30	0.0951	0.10	Q					8+40	0.8769	0.88	Q								
3+35	0.0951	0.10	Q					8+45	0.9109	0.91	Q								
3+40	0.0951	0.10	Q					8+50	0.9811	0.98	Q								
3+45	0.0951	0.10	Q					8+55	1.0972	1.10	Q								
3+50	0.1006	0.10	Q					9+ 0	1.1312	1.13	Q								
3+55	0.1111	0.11	Q					9+ 5	1.2561	1.26	Q								
4+ 0	0.1135	0.11	Q					9+10	1.4764	1.48	Q								
4+ 5	0.1140	0.11	Q					9+15	1.5342	1.53	Q								
4+10	0.1142	0.11	Q					9+20	1.6094	1.61	Q								
4+15	0.1142	0.11	Q					9+25	1.7274	1.73	Q								
4+20	0.1197	0.12	Q					9+30	1.7611	1.76	Q								
4+25	0.1301	0.13	Q					9+35	1.8310	1.83	Q								
4+30	0.1325	0.13	Q					9+40	1.9469	1.95	Q								
4+35	0.1330	0.13	Q					9+45	1.9806	1.98	Q								
4+40	0.1332	0.13	Q					9+50	2.0504	2.05	Q								
4+45	0.1332	0.13	Q					9+55	2.1662	2.17	Q								
4+50	0.1387	0.14	Q					10+ 0	2.1997	2.20	Q								
4+55	0.1491	0.15	Q					10+ 5	1.8301	1.83	Q								
5+ 0	0.1515	0.15	Q					10+10	1.1120	1.11	Q								
5+ 5	0.1411	0.14	Q					10+15	0.9538	0.95	Q								
5+10	0.1204	0.12	Q					10+20	0.9267	0.93	Q								
5+15	0.1156	0.12	Q					10+25	0.9223	0.92	Q								
5+20	0.1201	0.12	Q					10+30	0.9317	0.93	Q								
5+25	0.1301	0.13	Q					10+35	1.2157	1.22	Q								
5+30	0.1325	0.13	Q					10+40	1.7461	1.75	Q								
5+35	0.1385	0.14	Q					10+45	1.8752	1.88	Q								
5+40	0.1491	0.15	Q					10+50	1.9106	1.91	Q								
5+45	0.1515	0.15	Q					10+55	1.9297	1.93	Q								
5+50	0.1520	0.15	Q					11+ 0	1.9389	1.94	Q								



CP4 *Hydromod 100-Yr, 24-Hr*

21+25	0.0412	0.04	Q	|	|	|	|
21+30	0.0388	0.04	Q	|	|	|	|
21+35	0.0437	0.04	Q	|	|	|	|
21+40	0.0540	0.05	Q	|	|	|	|
21+45	0.0564	0.06	Q	|	|	|	|
21+50	0.0514	0.05	Q	|	|	|	|
21+55	0.0412	0.04	Q	|	|	|	|
22+ 0	0.0388	0.04	Q	|	|	|	|
22+ 5	0.0437	0.04	Q	|	|	|	|
22+10	0.0540	0.05	Q	|	|	|	|
22+15	0.0564	0.06	Q	|	|	|	|
22+20	0.0514	0.05	Q	|	|	|	|
22+25	0.0412	0.04	Q	|	|	|	|
22+30	0.0388	0.04	Q	|	|	|	|
22+35	0.0383	0.04	Q	|	|	|	|
22+40	0.0381	0.04	Q	|	|	|	|
22+45	0.0381	0.04	Q	|	|	|	|
22+50	0.0381	0.04	Q	|	|	|	|
22+55	0.0381	0.04	Q	|	|	|	|
23+ 0	0.0381	0.04	Q	|	|	|	|
23+ 5	0.0381	0.04	Q	|	|	|	|
23+10	0.0381	0.04	Q	|	|	|	|
23+15	0.0381	0.04	Q	|	|	|	|
23+20	0.0381	0.04	Q	|	|	|	|
23+25	0.0381	0.04	Q	|	|	|	|
23+30	0.0381	0.04	Q	|	|	|	|
23+35	0.0381	0.04	Q	|	|	|	|
23+40	0.0381	0.04	Q	|	|	|	|
23+45	0.0381	0.04	Q	|	|	|	|
23+50	0.0381	0.04	Q	|	|	|	|
23+55	0.0381	0.04	Q	|	|	|	|
24+ 0	0.0381	0.04	Q	|	|	|	|
24+ 5	0.0271	0.03	Q	|	|	|	|
24+10	0.0062	0.01	Q	|	|	|	|
24+15	0.0014	0.00	Q	|	|	|	|
24+20	0.0004	0.00	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.864 (CFS)
Total volume = 1.704 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	134.711	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	56.407	0.000	0.000	0.000

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Process from Point/Station 4.400 to Point/Station 4.200
**** STREAM ROUTING SCS CONVEX METHOD ****

HYDROGRAPH STREAM ROUTING DATA:
Length of stream = 794.00 (Ft.)
Elevation difference = 4.00 (Ft.)
Slope of channel = 0.005038 (Vert/Horiz)
Channel type - Pipe
Pipe length = 794.00(Ft.) Elevation difference = 4.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow = 1.228(CFS)
Nearest computed pipe diameter = 12.00(In.)
Calculated individual pipe flow = 1.228(CFS)
Normal flow depth in pipe = 5.90(In.)
Flow top width inside pipe = 12.00(In.)
Critical Depth = 0.47(Ft.)
Pipe flow velocity = 3.20(Ft/s)
Travel time through pipe = 4.14 min.

Pipe length = 794.00(Ft.) Elevation difference = 4.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow = 4.864(CFS)
Nearest computed pipe diameter = 18.00(In.)
Calculated individual pipe flow = 4.864(CFS)
Normal flow depth in pipe = 10.59(In.)
Flow top width inside pipe = 17.72(In.)
Critical Depth = 0.85(Ft.)
Pipe flow velocity = 4.49(Ft/s)
Travel time through pipe = 2.94 min.

********** SCS CONVEX CHANNEL ROUTING **********
Convex method of stream routing data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
where c* = 1 - (1-c)^e and dt = c(length)/velocity
c(v/v+1.7) = 0.7256 Travel time = 2.94 (min.)
dt*(unit time interval) = 5.00(min.), e= 1.8938
dt(routing time-step) = 2.14 (min.), c* = 0.9136

Output hydrograph delayed by 0 unit time increments

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	1.2	2.4	3.6	4.9
0+ 5	0.0057	0.01	O	|	|	|	|
0+10	0.0214	0.03	O	|	|	|	|
0+15	0.0334	0.04	O	|	|	|	|
0+20	0.0398	0.04	O	|	|	|	|
0+25	0.0485	0.05	O	|	|	|	|
0+30	0.0548	0.06	O	|	|	|	|
0+35	0.0565	0.06	O	|	|	|	|
0+40	0.0570	0.06	O	|	|	|	|
0+45	0.0571	0.06	O	|	|	|	|
0+50	0.0600	0.06	O	|	|	|	|
0+55	0.0678	0.07	O	|	|	|	|
1+ 0	0.0738	0.08	O	|	|	|	|
1+ 5	0.0727	0.07	O	|	|	|	|
1+10	0.0653	0.06	O	|	|	|	|
1+15	0.0594	0.06	O	|	|	|	|

1+20	0.0577	0.06	O					6+30	0.1713	0.17	O								
1+25	0.0572	0.06	O					6+35	0.1741	0.18	O								
1+30	0.0571	0.06	O					6+40	0.1820	0.19	O								
1+35	0.0571	0.06	O					6+45	0.1880	0.19	O								
1+40	0.0571	0.06	O					6+50	0.1897	0.19	O								
1+45	0.0571	0.06	O					6+55	0.1902	0.19	O								
1+50	0.0600	0.06	O					7+ 0	0.1903	0.19	O								
1+55	0.0678	0.07	O					7+ 5	0.1903	0.19	O								
2+ 0	0.0738	0.08	O					7+10	0.1903	0.19	O								
2+ 5	0.0755	0.08	O					7+15	0.1903	0.19	O								
2+10	0.0760	0.08	O					7+20	0.1932	0.20	O								
2+15	0.0761	0.08	O					7+25	0.2010	0.21	O								
2+20	0.0761	0.08	O					7+30	0.2070	0.21	O								
2+25	0.0761	0.08	O					7+35	0.2116	0.21	O								
2+30	0.0761	0.08	O					7+40	0.2199	0.23	O								
2+35	0.0790	0.08	O					7+45	0.2260	0.23	O								
2+40	0.0868	0.09	O					7+50	0.2306	0.23	O								
2+45	0.0928	0.09	O					7+55	0.2401	0.25	OI								
2+50	0.0946	0.09	O					8+ 0	0.2509	0.26	O								
2+55	0.0950	0.10	O					8+ 5	0.3183	0.38	OI								
3+ 0	0.0951	0.10	O					8+10	0.4853	0.59	OI								
3+ 5	0.0951	0.10	O					8+15	0.6155	0.65	O								
3+10	0.0951	0.10	O					8+20	0.6603	0.67	O								
3+15	0.0951	0.10	O					8+25	0.6796	0.69	O								
3+20	0.0951	0.10	O					8+30	0.6921	0.70	O								
3+25	0.0951	0.10	O					8+35	0.7311	0.76	O								
3+30	0.0951	0.10	O					8+40	0.8197	0.88	OI								
3+35	0.0951	0.10	O					8+45	0.8898	0.91	O								
3+40	0.0951	0.10	O					8+50	0.9458	0.98	OI								
3+45	0.0951	0.10	O					8+55	1.0388	1.10	OI								
3+50	0.0980	0.10	O					9+ 0	1.1099	1.13	O								
3+55	0.1059	0.11	O					9+ 5	1.1947	1.26	OI								
4+ 0	0.1119	0.11	O					9+10	1.3661	1.48	OI								
4+ 5	0.1136	0.11	O					9+15	1.4971	1.53	O								
4+10	0.1140	0.11	O					9+20	1.5704	1.61	OI								
4+15	0.1142	0.11	O					9+25	1.6678	1.73	OI								
4+20	0.1170	0.12	O					9+30	1.7399	1.76	O								
4+25	0.1249	0.13	IO					9+35	1.7959	1.83	OI								
4+30	0.1309	0.13	IO					9+40	1.8886	1.95	OI								
4+35	0.1326	0.13	IO					9+45	1.9595	1.98	O								
4+40	0.1331	0.13	IO					9+50	2.0153	2.05	O								
4+45	0.1332	0.13	IO					9+55	2.1079	2.17	O								
4+50	0.1361	0.14	IO					10+ 0	2.1787	2.20	OI								
4+55	0.1439	0.15	IO					10+ 5	2.0045	1.83	IO								
5+ 0	0.1499	0.15	IO					10+10	1.4694	1.11	I O								
5+ 5	0.1459	0.14	IO					10+15	1.0601	0.95	IO								
5+10	0.1307	0.12	IO					10+20	0.9488	0.93	O								
5+15	0.1188	0.12	O					10+25	0.9263	0.92	O								
5+20	0.1182	0.12	O					10+30	0.9276	0.93	O								
5+25	0.1251	0.13	IO					10+35	1.0800	1.22	OI								
5+30	0.1309	0.13	IO					10+40	1.4815	1.75	O I								
5+35	0.1355	0.14	IO					10+45	1.7908	1.88	OI								
5+40	0.1438	0.15	IO					10+50	1.8865	1.91	O								
5+45	0.1499	0.15	IO					10+55	1.9185	1.93	O								
5+50	0.1516	0.15	IO					11+ 0	1.9336	1.94	O								
5+55	0.1521	0.15	IO					11+ 5	1.9145	1.89	O								
6+ 0	0.1522	0.15	IO					11+10	1.8453	1.80	IO								
6+ 5	0.1551	0.16	IO					11+15	1.7944	1.78	O								
6+10	0.1630	0.17	IO					11+20	1.7863	1.79	O								
6+15	0.1690	0.17	IO					11+25	1.7908	1.79	O								
6+20	0.1707	0.17	IO					11+30	1.7986	1.80	O								
6+25	0.1711	0.17	IO					11+35	1.7501	1.70	IO								

11+40	1.6021	1.50	|	IO	|	|	|		16+50	0.0577	0.06	O	|	|	|	|	
11+45	1.4911	1.46	|	O	|	|	|		16+55	0.0572	0.06	O	|	|	|	|	
11+50	1.4942	1.52	|	O	|	|	|		17+ 0	0.0571	0.06	O	|	|	|	|	
11+55	1.5724	1.63	|	OI	|	|	|		17+ 5	0.0628	0.07	O	|	|	|	|	
12+ 0	1.6389	1.66	|	O	|	|	|		17+10	0.0785	0.09	O	|	|	|	|	
12+ 5	1.8659	2.06	|	OI	|	|	|		17+15	0.0905	0.09	O	|	|	|	|	
12+10	2.4284	2.80	|	O|	I	|	|		17+20	0.0940	0.09	O	|	|	|	|	
12+15	2.8582	2.97	|	|	OI	|	|		17+25	0.0949	0.10	O	|	|	|	|	
12+20	3.0167	3.07	|	|	OI	|	|		17+30	0.0951	0.10	O	|	|	|	|	
12+25	3.1357	3.20	|	|	OI	|	|		17+35	0.0951	0.10	O	|	|	|	|	
12+30	3.2125	3.23	|	|	O	|	|		17+40	0.0951	0.10	O	|	|	|	|	
12+35	3.2966	3.36	|	|	O	|	|		17+45	0.0951	0.10	O	|	|	|	|	
12+40	3.4667	3.58	|	|	OI|	|	|		17+50	0.0923	0.09	O	|	|	|	|	
12+45	3.5964	3.63	|	|	O|	|	|		17+55	0.0844	0.08	O	|	|	|	|	
12+50	3.6682	3.71	|	|	O	|	|		18+ 0	0.0784	0.08	O	|	|	|	|	
12+55	3.7643	3.82	|	|	OI	|	|		18+ 5	0.0767	0.08	O	|	|	|	|	
13+ 0	3.8351	3.86	|	|	|O	|	|		18+10	0.0762	0.08	O	|	|	|	|	
13+ 5	4.0046	4.14	|	|	| O I	|	|		18+15	0.0761	0.08	O	|	|	|	|	
13+10	4.4098	4.68	|	|	|	O I |	|		18+20	0.0761	0.08	O	|	|	|	|	
13+15	4.7193	4.80	|	|	|	OI|	|		18+25	0.0761	0.08	O	|	|	|	|	
13+20	4.8140	4.84	|	|	|	O|	|		18+30	0.0761	0.08	O	|	|	|	|	
13+25	4.8451	4.86	|	|	|	O|	|		18+35	0.0732	0.07	O	|	|	|	|	
13+30	4.8591	4.86	|	|	|	OI	|		18+40	0.0654	0.06	O	|	|	|	|	
13+35	4.5517	4.27	|	|	|	I O |	|		18+45	0.0594	0.06	O	|	|	|	|	
13+40	3.6969	3.13	|	|	I	O |	|		18+50	0.0548	0.05	O	|	|	|	|	
13+45	3.0451	2.87	|	|	I O	|	|		18+55	0.0465	0.04	O	|	|	|	|	
13+50	2.8632	2.82	|	|	O	|	|		19+ 0	0.0404	0.04	O	|	|	|	|	
13+55	2.8211	2.81	|	|	O	|	|		19+ 5	0.0415	0.04	O	|	|	|	|	
14+ 0	2.8163	2.82	|	|	O	|	|		19+10	0.0489	0.05	O	|	|	|	|	
14+ 5	2.9381	3.05	|	|	OI	|	|		19+15	0.0548	0.06	O	|	|	|	|	
14+10	3.2597	3.47	|	|	O I |	|	|		19+20	0.0594	0.06	O	|	|	|	|	
14+15	3.5076	3.58	|	|	OI|	|	|		19+25	0.0677	0.07	O	|	|	|	|	
14+20	3.5558	3.55	|	|	O|	|	|		19+30	0.0738	0.08	O	|	|	|	|	
14+25	3.5034	3.46	|	|	O |	|	|		19+35	0.0727	0.07	O	|	|	|	|	
14+30	3.4559	3.44	|	|	O |	|	|		19+40	0.0653	0.06	O	|	|	|	|	
14+35	3.4468	3.45	|	|	O |	|	|		19+45	0.0594	0.06	O	|	|	|	|	
14+40	3.4500	3.45	|	|	O |	|	|		19+50	0.0548	0.05	O	|	|	|	|	
14+45	3.4565	3.46	|	|	O |	|	|		19+55	0.0465	0.04	O	|	|	|	|	
14+50	3.4353	3.41	|	|	O |	|	|		20+ 0	0.0404	0.04	O	|	|	|	|	
14+55	3.3644	3.32	|	|	O |	|	|		20+ 5	0.0415	0.04	O	|	|	|	|	
15+ 0	3.3120	3.30	|	|	O |	|	|		20+10	0.0489	0.05	O	|	|	|	|	
15+ 5	3.2735	3.25	|	|	O |	|	|		20+15	0.0548	0.06	O	|	|	|	|	
15+10	3.1980	3.15	|	|	IO |	|	|		20+20	0.0565	0.06	O	|	|	|	|	
15+15	3.1443	3.13	|	|	O |	|	|		20+25	0.0570	0.06	O	|	|	|	|	
15+20	3.1056	3.08	|	|	O |	|	|		20+30	0.0571	0.06	O	|	|	|	|	
15+25	3.0299	2.98	|	|	O |	|	|		20+35	0.0571	0.06	O	|	|	|	|	
15+30	2.9761	2.96	|	|	O |	|	|		20+40	0.0571	0.06	O	|	|	|	|	
15+35	2.8511	2.75	|	|	IO |	|	|		20+45	0.0571	0.06	O	|	|	|	|	
15+40	2.5400	2.33	|	|	IO |	|	|		20+50	0.0542	0.05	O	|	|	|	|	
15+45	2.3060	2.25	|	|	O |	|	|		20+55	0.0464	0.04	O	|	|	|	|	
15+50	2.2440	2.23	|	|	O |	|	|		21+ 0	0.0404	0.04	O	|	|	|	|	
15+55	2.2329	2.23	|	|	O |	|	|		21+ 5	0.0415	0.04	O	|	|	|	|	
16+ 0	2.2354	2.24	|	|	O |	|	|		21+10	0.0489	0.05	O	|	|	|	|	
16+ 5	1.9134	1.62	|	|	I O	|	|	|		21+15	0.0548	0.06	O	|	|	|	|	
16+10	1.0222	0.43	|	I	O |	|	|	|		21+20	0.0536	0.05	O	|	|	|	|	
16+15	0.3392	0.16	|	IO	|	|	|	|		21+25	0.0462	0.04	O	|	|	|	|	
16+20	0.1426	0.10	|	IO	|	|	|	|		21+30	0.0404	0.04	O	|	|	|	|	
16+25	0.0907	0.08	|	O	|	|	|	|		21+35	0.0415	0.04	O	|	|	|	|	
16+30	0.0774	0.08	|	O	|	|	|	|		21+40	0.0489	0.05	O	|	|	|	|	
16+35	0.0734	0.07	|	O	|	|	|	|		21+45	0.0548	0.06	O	|	|	|	|	
16+40	0.0654	0.06	|	O	|	|	|	|		21+50	0.0536	0.05	O	|	|	|	|	
16+45	0.0594	0.06	|	O	|	|	|	|		21+55	0.0462	0.04	O	|	|	|	|	

22+ 0	0.0404	0.04	O	|	|	|	|
22+ 5	0.0415	0.04	O	|	|	|	|
22+10	0.0489	0.05	O	|	|	|	|
22+15	0.0548	0.06	O	|	|	|	|
22+20	0.0536	0.05	O	|	|	|	|
22+25	0.0462	0.04	O	|	|	|	|
22+30	0.0404	0.04	O	|	|	|	|
22+35	0.0386	0.04	O	|	|	|	|
22+40	0.0382	0.04	O	|	|	|	|
22+45	0.0381	0.04	O	|	|	|	|
22+50	0.0381	0.04	O	|	|	|	|
22+55	0.0381	0.04	O	|	|	|	|
23+ 0	0.0381	0.04	O	|	|	|	|
23+ 5	0.0381	0.04	O	|	|	|	|
23+10	0.0381	0.04	O	|	|	|	|
23+15	0.0381	0.04	O	|	|	|	|
23+20	0.0381	0.04	O	|	|	|	|
23+25	0.0381	0.04	O	|	|	|	|
23+30	0.0381	0.04	O	|	|	|	|
23+35	0.0381	0.04	O	|	|	|	|
23+40	0.0381	0.04	O	|	|	|	|
23+45	0.0381	0.04	O	|	|	|	|
23+50	0.0381	0.04	O	|	|	|	|
23+55	0.0381	0.04	O	|	|	|	|
24+ 0	0.0381	0.04	O	|	|	|	|
24+ 5	0.0323	0.03	O	|	|	|	|
24+10	0.0166	0.01	O	|	|	|	|
24+15	0.0046	0.00	O	|	|	|	|
24+20	0.0012	0.00	O	|	|	|	|
24+25	0.0000	0.00	O	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 293
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.859 (CFS)
Total volume = 1.704 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	134.711	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	56.407	0.000	0.000	0.000

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Process from Point/Station 4.200 to Point/Station 4.200
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 2 the total
volume of 56.41 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	34.8	69.6	104.4	139.3
0+ 5	0.0021	0.01	Q	|	|	|	|
0+10	0.0119	0.03	Q	|	|	|	|
0+15	0.0294	0.06	Q	|	|	|	|
0+20	0.0504	0.09	Q	|	|	|	|
0+25	0.0762	0.12	Q	|	|	|	|
0+30	0.1061	0.16	Q	|	|	|	|
0+35	0.1374	0.19	Q	|	|	|	|
0+40	0.1691	0.23	Q	|	|	|	|
0+45	0.2008	0.26	Q	|	|	|	|
0+50	0.2337	0.29	Q	|	|	|	|
0+55	0.2703	0.34	Q	|	|	|	|
1+ 0	0.3106	0.38	Q	|	|	|	|
1+ 5	0.3499	0.42	Q	|	|	|	|
1+10	0.3705	0.44	Q	|	|	|	|
1+15	0.3891	0.45	Q	|	|	|	|
1+20	0.4069	0.46	Q	|	|	|	|
1+25	0.4243	0.48	Q	|	|	|	|
1+30	0.4416	0.50	Q	|	|	|	|
1+35	0.4587	0.52	Q	|	|	|	|
1+40	0.4758	0.53	Q	|	|	|	|
1+45	0.4929	0.55	Q	|	|	|	|
1+50	0.5067	0.57	Q	|	|	|	|
1+55	0.5194	0.59	Q	|	|	|	|
2+ 0	0.5335	0.61	Q	|	|	|	|
2+ 5	0.5481	0.62	Q	|	|	|	|
2+10	0.5628	0.64	Q	|	|	|	|
2+15	0.5775	0.65	Q	|	|	|	|
2+20	0.5923	0.67	Q	|	|	|	|
2+25	0.6070	0.68	Q	|	|	|	|
2+30	0.6218	0.70	Q	|	|	|	|
2+35	0.6369	0.72	Q	|	|	|	|
2+40	0.6533	0.74	Q	|	|	|	|
2+45	0.6711	0.76	Q	|	|	|	|
2+50	0.6893	0.78	Q	|	|	|	|
2+55	0.7077	0.80	Q	|	|	|	|
3+ 0	0.7219	0.82	Q	|	|	|	|
3+ 5	0.7355	0.83	Q	|	|	|	|
3+10	0.7477	0.84	Q	|	|	|	|
3+15	0.7598	0.85	Q	|	|	|	|
3+20	0.7720	0.87	Q	|	|	|	|
3+25	0.7841	0.88	Q	|	|	|	|
3+30	0.7962	0.89	Q	|	|	|	|
3+35	0.8084	0.90	Q	|	|	|	|
3+40	0.8205	0.92	Q	|	|	|	|
3+45	0.8323	0.93	Q	|	|	|	|
3+50	0.8430	0.94	Q	|	|	|	|
3+55	0.8544	0.96	Q	|	|	|	|
4+ 0	0.8666	0.98	Q	|	|	|	|
4+ 5	0.8791	0.99	Q	|	|	|	|
4+10	0.8917	1.01	Q	|	|	|	|
4+15	0.9033	1.02	Q	|	|	|	|
4+20	0.9148	1.03	Q	|	|	|	|
4+25	0.9271	1.05	Q	|	|	|	|
4+30	0.9400	1.07	Q	|	|	|	|
4+35	0.9525	1.09	Q	|	|	|	|
4+40	0.9651	1.10	Q	|	|	|	|
4+45	0.9777	1.11	Q	|	|	|	|
4+50	0.9905	1.13	Q	|	|	|	|
4+55	1.0039	1.15	Q	|	|	|	|
5+ 0	1.0180	1.17	Q	|	|	|	|
5+ 5	1.0321	1.18	Q	|	|	|	|
5+10	1.0437	1.17	Q	|	|	|	|

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15+35	109.7436	112.59	|	|	|	|qQ	|
15+40	107.4187	109.96	|	|	|	qQ	|
15+45	104.3251	106.63	|	|	|	qQ	|
15+50	101.3175	103.56	|	|	|	Q|	|
15+55	98.6577	100.89	|	|	|	Q |	|
16+ 0	96.3778	98.61	|	|	|	qQ |	|
16+ 5	93.4412	95.35	|	|	|	qQ |	|
16+10	86.9137	87.94	|	|	|	qQ |	|
16+15	78.1259	78.47	|	|	| Q |	|	|
16+20	71.4875	71.63	|	|	| Q |	|	|
16+25	65.4976	65.59	|	|	| Q |	|	|
16+30	61.1880	61.27	|	|	| Q |	|	|
16+35	58.8834	58.96	|	|	| Q |	|	|
16+40	56.6249	56.69	|	|	| Q |	|	|
16+45	54.4114	54.47	|	|	| Q |	|	|
16+50	52.2793	52.34	|	|	| Q |	|	|
16+55	50.2415	50.30	|	|	| Q |	|	|
17+ 0	48.2989	48.36	|	|	| Q |	|	|
17+ 5	46.4717	46.53	|	|	| Q |	|	|
17+10	44.8508	44.93	|	|	Q |	|	|
17+15	43.4445	43.54	|	|	Q |	|	|
17+20	42.1602	42.25	|	|	Q |	|	|
17+25	40.9596	41.05	|	|Q |	|	|	|
17+30	39.8282	39.92	|	|Q |	|	|	|
17+35	38.7572	38.85	|	|Q |	|	|	|
17+40	37.7414	37.84	|	Q |	|	|	|
17+45	36.7778	36.87	|	Q |	|	|	|
17+50	35.8451	35.94	|	Q |	|	|	|
17+55	34.8846	34.97	|	Q |	|	|	|
18+ 0	33.7950	33.87	|	Q|	|	|	|
18+ 5	32.6408	32.72	|	Q|	|	|	|
18+10	31.5429	31.62	|	Q|	|	|	|
18+15	30.5050	30.58	|	Q |	|	|	|
18+20	29.5267	29.60	|	Q |	|	|	|
18+25	28.6058	28.68	|	Q |	|	|	|
18+30	27.7392	27.82	|	Q |	|	|	|
18+35	26.9051	26.98	|	Q |	|	|	|
18+40	26.0473	26.11	|	Q |	|	|	|
18+45	25.1653	25.22	|	Q |	|	|	|
18+50	24.2657	24.32	|	Q |	|	|	|
18+55	23.3377	23.38	|	Q |	|	|	|
19+ 0	22.3892	22.43	|	Q |	|	|	|
19+ 5	21.4884	21.53	|	Q |	|	|	|
19+10	20.7026	20.75	|	Q |	|	|	|
19+15	20.0313	20.09	|	Q |	|	|	|
19+20	19.4438	19.50	|	Q |	|	|	|
19+25	18.9784	19.05	|	Q |	|	|	|
19+30	18.6257	18.70	|	Q |	|	|	|
19+35	18.3062	18.38	|	Q |	|	|	|
19+40	17.9387	18.00	|	Q |	|	|	|
19+45	17.5168	17.58	|	Q |	|	|	|
19+50	17.0737	17.13	| Q |	|	|	|	|
19+55	16.5760	16.62	| Q |	|	|	|	|
20+ 0	16.0320	16.07	| Q |	|	|	|	|
20+ 5	15.5114	15.55	| Q |	|	|	|	|
20+10	15.0829	15.13	| Q |	|	|	|	|
20+15	14.7472	14.80	| Q |	|	|	|	|
20+20	14.4555	14.51	| Q |	|	|	|	|
20+25	14.1898	14.25	| Q |	|	|	|	|
20+30	13.9435	14.00	| Q |	|	|	|	|
20+35	13.7131	13.77	| Q	|	|	|	|
20+40	13.4968	13.55	| Q	|	|	|	|
20+45	13.2936	13.35	| Q	|	|	|	|
20+50	13.0845	13.14	| Q	|	|	|	|
20+55	12.8171	12.86	| Q	|	|	|	|
21+ 0	12.4939	12.53	| Q	|	|	|	|
21+ 5	12.1824	12.22	| Q	|	|	|	|
21+10	11.9511	12.00	| Q	|	|	|	|
21+15	11.8012	11.86	| Q	|	|	|	|
21+20	11.6663	11.72	| Q	|	|	|	|
21+25	11.4773	11.52	| Q	|	|	|	|
21+30	11.2314	11.27	| Q	|	|	|	|
21+35	10.9941	11.04	| Q	|	|	|	|
21+40	10.8328	10.88	| Q	|	|	|	|
21+45	10.7492	10.80	| Q	|	|	|	|
21+50	10.6767	10.73	| Q	|	|	|	|
21+55	10.5466	10.59	| Q	|	|	|	|
22+ 0	10.3560	10.40	| Q	|	|	|	|
22+ 5	10.1706	10.21	| Q	|	|	|	|
22+10	10.0582	10.11	| Q	|	|	|	|
22+15	10.0208	10.08	| Q	|	|	|	|
22+20	9.9919	10.05	| Q	|	|	|	|
22+25	9.9026	9.95	| Q	|	|	|	|
22+30	9.7504	9.79	| Q	|	|	|	|
22+35	9.5826	9.62	| Q	|	|	|	|
22+40	9.4161	9.45	| Q	|	|	|	|
22+45	9.2559	9.29	| Q	|	|	|	|
22+50	9.1041	9.14	| Q	|	|	|	|
22+55	8.9608	9.00	| Q	|	|	|	|
23+ 0	8.8258	8.86	| Q	|	|	|	|
23+ 5	8.6986	8.74	| Q	|	|	|	|
23+10	8.5790	8.62	| Q	|	|	|	|
23+15	8.4666	8.50	| Q	|	|	|	|
23+20	8.3610	8.40	| Q	|	|	|	|
23+25	8.2616	8.30	| Q	|	|	|	|
23+30	8.1682	8.21	| Q	|	|	|	|
23+35	8.0804	8.12	| Q	|	|	|	|
23+40	7.9979	8.04	| Q	|	|	|	|
23+45	7.9203	7.96	| Q	|	|	|	|
23+50	7.8473	7.89	| Q	|	|	|	|
23+55	7.7787	7.82	| Q	|	|	|	|
24+ 0	7.7141	7.75	| Q	|	|	|	|
24+ 5	0.0000	0.03	Q |	|	|	|	|
24+10	0.0000	0.02	Q |	|	|	|	|
24+15	0.0000	0.00	Q |	|	|	|	|
24+20	0.0000	0.00	Q |	|	|	|	|
24+25	0.0000	0.00	Q |	|	|	|	|
24+30	0.0000	0.00	Q |	|	|	|	|
24+35	0.0000	0.00	Q |	|	|	|	|
24+40	0.0000	0.00	Q |	|	|	|	|
24+45	0.0000	0.00	Q |	|	|	|	|
24+50	0.0000	0.00	Q |	|	|	|	|
24+55	0.0000	0.00	Q |	|	|	|	|
25+ 0	0.0000	0.00	Q |	|	|	|	|
25+ 5	0.0000	0.00	Q |	|	|	|	|
25+10	0.0000	0.00	Q |	|	|	|	|
25+15	0.0000	0.00	Q |	|	|	|	|
25+20	0.0000	0.00	Q |	|	|	|	|
25+25	0.0000	0.00	Q |	|	|	|	|
25+30	0.0000	0.00	Q |	|	|	|	|
25+35	0.0000	0.00	Q |	|	|	|	|
25+40	0.0000	0.00	Q |	|	|	|	|
25+45	0.0000	0.00	Q |	|	|	|	|
25+50	0.0000	0.00	Q |	|	|	|	|

25+55	0.0000	0.00	Q					31+ 5	0.0000	0.00	Q				
26+ 0	0.0000	0.00	Q					31+10	0.0000	0.00	Q				
26+ 5	0.0000	0.00	Q					31+15	0.0000	0.00	Q				
26+10	0.0000	0.00	Q					31+20	0.0000	0.00	Q				
26+15	0.0000	0.00	Q					31+25	0.0000	0.00	Q				
26+20	0.0000	0.00	Q					31+30	0.0000	0.00	Q				
26+25	0.0000	0.00	Q					31+35	0.0000	0.00	Q				
26+30	0.0000	0.00	Q					31+40	0.0000	0.00	Q				
26+35	0.0000	0.00	Q					31+45	0.0000	0.00	Q				
26+40	0.0000	0.00	Q					31+50	0.0000	0.00	Q				
26+45	0.0000	0.00	Q					31+55	0.0000	0.00	Q				
26+50	0.0000	0.00	Q					32+ 0	0.0000	0.00	Q				
26+55	0.0000	0.00	Q					32+ 5	0.0000	0.00	Q				
27+ 0	0.0000	0.00	Q					32+10	0.0000	0.00	Q				
27+ 5	0.0000	0.00	Q					32+15	0.0000	0.00	Q				
27+10	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+50	0.0000	0.00	Q				
27+45	0.0000	0.00	Q					32+55	0.0000	0.00	Q				
27+50	0.0000	0.00	Q					33+ 0	0.0000	0.00	Q				
27+55	0.0000	0.00	Q					33+ 5	0.0000	0.00	Q				
28+ 0	0.0000	0.00	Q					33+10	0.0000	0.00	Q				
28+ 5	0.0000	0.00	Q					33+15	0.0000	0.00	Q				
28+10	0.0000	0.00	Q					33+20	0.0000	0.00	Q				
28+15	0.0000	0.00	Q					33+25	0.0000	0.00	Q				
28+20	0.0000	0.00	Q					33+30	0.0000	0.00	Q				
28+25	0.0000	0.00	Q					33+35	0.0000	0.00	Q				
28+30	0.0000	0.00	Q					33+40	0.0000	0.00	Q				
28+35	0.0000	0.00	Q					33+45	0.0000	0.00	Q				
28+40	0.0000	0.00	Q					33+50	0.0000	0.00	Q				
28+45	0.0000	0.00	Q					33+55	0.0000	0.00	Q				
28+50	0.0000	0.00	Q					34+ 0	0.0000	0.00	Q				
28+55	0.0000	0.00	Q					34+ 5	0.0000	0.00	Q				
29+ 0	0.0000	0.00	Q					34+10	0.0000	0.00	Q				
29+ 5	0.0000	0.00	Q					34+15	0.0000	0.00	Q				
29+10	0.0000	0.00	Q					34+20	0.0000	0.00	Q				
29+15	0.0000	0.00	Q					34+25	0.0000	0.00	Q				
29+20	0.0000	0.00	Q					34+30	0.0000	0.00	Q				
29+25	0.0000	0.00	Q					34+35	0.0000	0.00	Q				
29+30	0.0000	0.00	Q					34+40	0.0000	0.00	Q				
29+35	0.0000	0.00	Q					34+45	0.0000	0.00	Q				
29+40	0.0000	0.00	Q					34+50	0.0000	0.00	Q				
29+45	0.0000	0.00	Q					34+55	0.0000	0.00	Q				
29+50	0.0000	0.00	Q					35+ 0	0.0000	0.00	Q				
29+55	0.0000	0.00	Q					35+ 5	0.0000	0.00	Q				
30+ 0	0.0000	0.00	Q					35+10	0.0000	0.00	Q				
30+ 5	0.0000	0.00	Q					35+15	0.0000	0.00	Q				
30+10	0.0000	0.00	Q					35+20	0.0000	0.00	Q				
30+15	0.0000	0.00	Q					35+25	0.0000	0.00	Q				
30+20	0.0000	0.00	Q					35+30	0.0000	0.00	Q				
30+25	0.0000	0.00	Q					35+35	0.0000	0.00	Q				
30+30	0.0000	0.00	Q					35+40	0.0000	0.00	Q				
30+35	0.0000	0.00	Q					35+45	0.0000	0.00	Q				
30+40	0.0000	0.00	Q					35+50	0.0000	0.00	Q				
30+45	0.0000	0.00	Q					35+55	0.0000	0.00	Q				
30+50	0.0000	0.00	Q					36+ 0	0.0000	0.00	Q				
30+55	0.0000	0.00	Q					36+ 5	0.0000	0.00	Q				
31+ 0	0.0000	0.00	Q					36+10	0.0000	0.00	Q				

36+15	0.0000	0.00	Q					41+25	0.0000	0.00	Q				
36+20	0.0000	0.00	Q					41+30	0.0000	0.00	Q				
36+25	0.0000	0.00	Q					41+35	0.0000	0.00	Q				
36+30	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+35	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+20	0.0000	0.00	Q				
38+15	0.0000	0.00	Q					43+25	0.0000	0.00	Q				
38+20	0.0000	0.00	Q					43+30	0.0000	0.00	Q				
38+25	0.0000	0.00	Q					43+35	0.0000	0.00	Q				
38+30	0.0000	0.00	Q					43+40	0.0000	0.00	Q				
38+35	0.0000	0.00	Q					43+45	0.0000	0.00	Q				
38+40	0.0000	0.00	Q					43+50	0.0000	0.00	Q				
38+45	0.0000	0.00	Q					43+55	0.0000	0.00	Q				
38+50	0.0000	0.00	Q					44+ 0	0.0000	0.00	Q				
38+55	0.0000	0.00	Q					44+ 5	0.0000	0.00	Q				
39+ 0	0.0000	0.00	Q					44+10	0.0000	0.00	Q				
39+ 5	0.0000	0.00	Q					44+15	0.0000	0.00	Q				
39+10	0.0000	0.00	Q					44+20	0.0000	0.00	Q				
39+15	0.0000	0.00	Q					44+25	0.0000	0.00	Q				
39+20	0.0000	0.00	Q					44+30	0.0000	0.00	Q				
39+25	0.0000	0.00	Q					44+35	0.0000	0.00	Q				
39+30	0.0000	0.00	Q					44+40	0.0000	0.00	Q				
39+35	0.0000	0.00	Q					44+45	0.0000	0.00	Q				
39+40	0.0000	0.00	Q					44+50	0.0000	0.00	Q				
39+45	0.0000	0.00	Q					44+55	0.0000	0.00	Q				
39+50	0.0000	0.00	Q					45+ 0	0.0000	0.00	Q				
39+55	0.0000	0.00	Q					45+ 5	0.0000	0.00	Q				
40+ 0	0.0000	0.00	Q					45+10	0.0000	0.00	Q				
40+ 5	0.0000	0.00	Q					45+15	0.0000	0.00	Q				
40+10	0.0000	0.00	Q					45+20	0.0000	0.00	Q				
40+15	0.0000	0.00	Q					45+25	0.0000	0.00	Q				
40+20	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+20	0.0000	0.00	Q				
41+15	0.0000	0.00	Q					46+25	0.0000	0.00	Q				
41+20	0.0000	0.00	Q					46+30	0.0000	0.00	Q				

46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+30	0.0000	0.00	Q				
48+25	0.0000	0.00	Q					53+35	0.0000	0.00	Q				
48+30	0.0000	0.00	Q					53+40	0.0000	0.00	Q				
48+35	0.0000	0.00	Q					53+45	0.0000	0.00	Q				
48+40	0.0000	0.00	Q					53+50	0.0000	0.00	Q				
48+45	0.0000	0.00	Q					53+55	0.0000	0.00	Q				
48+50	0.0000	0.00	Q					54+ 0	0.0000	0.00	Q				
48+55	0.0000	0.00	Q					54+ 5	0.0000	0.00	Q				
49+ 0	0.0000	0.00	Q					54+10	0.0000	0.00	Q				
49+ 5	0.0000	0.00	Q					54+15	0.0000	0.00	Q				
49+10	0.0000	0.00	Q					54+20	0.0000	0.00	Q				
49+15	0.0000	0.00	Q					54+25	0.0000	0.00	Q				
49+20	0.0000	0.00	Q					54+30	0.0000	0.00	Q				
49+25	0.0000	0.00	Q					54+35	0.0000	0.00	Q				
49+30	0.0000	0.00	Q					54+40	0.0000	0.00	Q				
49+35	0.0000	0.00	Q					54+45	0.0000	0.00	Q				
49+40	0.0000	0.00	Q					54+50	0.0000	0.00	Q				
49+45	0.0000	0.00	Q					54+55	0.0000	0.00	Q				
49+50	0.0000	0.00	Q					55+ 0	0.0000	0.00	Q				
49+55	0.0000	0.00	Q					55+ 5	0.0000	0.00	Q				
50+ 0	0.0000	0.00	Q					55+10	0.0000	0.00	Q				
50+ 5	0.0000	0.00	Q					55+15	0.0000	0.00	Q				
50+10	0.0000	0.00	Q					55+20	0.0000	0.00	Q				
50+15	0.0000	0.00	Q					55+25	0.0000	0.00	Q				
50+20	0.0000	0.00	Q					55+30	0.0000	0.00	Q				
50+25	0.0000	0.00	Q					55+35	0.0000	0.00	Q				
50+30	0.0000	0.00	Q					55+40	0.0000	0.00	Q				
50+35	0.0000	0.00	Q					55+45	0.0000	0.00	Q				
50+40	0.0000	0.00	Q					55+50	0.0000	0.00	Q				
50+45	0.0000	0.00	Q					55+55	0.0000	0.00	Q				
50+50	0.0000	0.00	Q					56+ 0	0.0000	0.00	Q				
50+55	0.0000	0.00	Q					56+ 5	0.0000	0.00	Q				
51+ 0	0.0000	0.00	Q					56+10	0.0000	0.00	Q				
51+ 5	0.0000	0.00	Q					56+15	0.0000	0.00	Q				
51+10	0.0000	0.00	Q					56+20	0.0000	0.00	Q				
51+15	0.0000	0.00	Q					56+25	0.0000	0.00	Q				
51+20	0.0000	0.00	Q					56+30	0.0000	0.00	Q				
51+25	0.0000	0.00	Q					56+35	0.0000	0.00	Q				
51+30	0.0000	0.00	Q					56+40	0.0000	0.00	Q				
51+35	0.0000	0.00	Q					56+45	0.0000	0.00	Q				
51+40	0.0000	0.00	Q					56+50	0.0000	0.00	Q				

56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				
58+55	0.0000	0.00	Q					64+ 5	0.0000	0.00	Q				
59+ 0	0.0000	0.00	Q					64+10	0.0000	0.00	Q				
59+ 5	0.0000	0.00	Q					64+15	0.0000	0.00	Q				
59+10	0.0000	0.00	Q					64+20	0.0000	0.00	Q				
59+15	0.0000	0.00	Q					64+25	0.0000	0.00	Q				
59+20	0.0000	0.00	Q					64+30	0.0000	0.00	Q				
59+25	0.0000	0.00	Q					64+35	0.0000	0.00	Q				
59+30	0.0000	0.00	Q					64+40	0.0000	0.00	Q				
59+35	0.0000	0.00	Q					64+45	0.0000	0.00	Q				
59+40	0.0000	0.00	Q					64+50	0.0000	0.00	Q				
59+45	0.0000	0.00	Q					64+55	0.0000	0.00	Q				
59+50	0.0000	0.00	Q					65+ 0	0.0000	0.00	Q				
59+55	0.0000	0.00	Q					65+ 5	0.0000	0.00	Q				
60+ 0	0.0000	0.00	Q					65+10	0.0000	0.00	Q				
60+ 5	0.0000	0.00	Q					65+15	0.0000	0.00	Q				
60+10	0.0000	0.00	Q					65+20	0.0000	0.00	Q				
60+15	0.0000	0.00	Q					65+25	0.0000	0.00	Q				
60+20	0.0000	0.00	Q					65+30	0.0000	0.00	Q				
60+25	0.0000	0.00	Q					65+35	0.0000	0.00	Q				
60+30	0.0000	0.00	Q					65+40	0.0000	0.00	Q				
60+35	0.0000	0.00	Q					65+45	0.0000	0.00	Q				
60+40	0.0000	0.00	Q					65+50	0.0000	0.00	Q				
60+45	0.0000	0.00	Q					65+55	0.0000	0.00	Q				
60+50	0.0000	0.00	Q					66+ 0	0.0000	0.00	Q				
60+55	0.0000	0.00	Q					66+ 5	0.0000	0.00	Q				
61+ 0	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				
61+55	0.0000	0.00	Q					67+ 5	0.0000	0.00	Q				
62+ 0	0.0000	0.00	Q					67+10	0.0000	0.00	Q				

67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+10	0.0000	0.00	Q				
69+ 5	0.0000	0.00	Q					74+15	0.0000	0.00	Q				
69+10	0.0000	0.00	Q					74+20	0.0000	0.00	Q				
69+15	0.0000	0.00	Q					74+25	0.0000	0.00	Q				
69+20	0.0000	0.00	Q					74+30	0.0000	0.00	Q				
69+25	0.0000	0.00	Q					74+35	0.0000	0.00	Q				
69+30	0.0000	0.00	Q					74+40	0.0000	0.00	Q				
69+35	0.0000	0.00	Q					74+45	0.0000	0.00	Q				
69+40	0.0000	0.00	Q					74+50	0.0000	0.00	Q				
69+45	0.0000	0.00	Q					74+55	0.0000	0.00	Q				
69+50	0.0000	0.00	Q					75+ 0	0.0000	0.00	Q				
69+55	0.0000	0.00	Q					75+ 5	0.0000	0.00	Q				
70+ 0	0.0000	0.00	Q					75+10	0.0000	0.00	Q				
70+ 5	0.0000	0.00	Q					75+15	0.0000	0.00	Q				
70+10	0.0000	0.00	Q					75+20	0.0000	0.00	Q				
70+15	0.0000	0.00	Q					75+25	0.0000	0.00	Q				
70+20	0.0000	0.00	Q					75+30	0.0000	0.00	Q				
70+25	0.0000	0.00	Q					75+35	0.0000	0.00	Q				
70+30	0.0000	0.00	Q					75+40	0.0000	0.00	Q				
70+35	0.0000	0.00	Q					75+45	0.0000	0.00	Q				
70+40	0.0000	0.00	Q					75+50	0.0000	0.00	Q				
70+45	0.0000	0.00	Q					75+55	0.0000	0.00	Q				
70+50	0.0000	0.00	Q					76+ 0	0.0000	0.00	Q				
70+55	0.0000	0.00	Q					76+ 5	0.0000	0.00	Q				
71+ 0	0.0000	0.00	Q					76+10	0.0000	0.00	Q				
71+ 5	0.0000	0.00	Q					76+15	0.0000	0.00	Q				
71+10	0.0000	0.00	Q					76+20	0.0000	0.00	Q				
71+15	0.0000	0.00	Q					76+25	0.0000	0.00	Q				
71+20	0.0000	0.00	Q					76+30	0.0000	0.00	Q				
71+25	0.0000	0.00	Q					76+35	0.0000	0.00	Q				
71+30	0.0000	0.00	Q					76+40	0.0000	0.00	Q				
71+35	0.0000	0.00	Q					76+45	0.0000	0.00	Q				
71+40	0.0000	0.00	Q					76+50	0.0000	0.00	Q				
71+45	0.0000	0.00	Q					76+55	0.0000	0.00	Q				
71+50	0.0000	0.00	Q					77+ 0	0.0000	0.00	Q				
71+55	0.0000	0.00	Q					77+ 5	0.0000	0.00	Q				
72+ 0	0.0000	0.00	Q					77+10	0.0000	0.00	Q				
72+ 5	0.0000	0.00	Q					77+15	0.0000	0.00	Q				
72+10	0.0000	0.00	Q					77+20	0.0000	0.00	Q				
72+15	0.0000	0.00	Q					77+25	0.0000	0.00	Q				
72+20	0.0000	0.00	Q					77+30	0.0000	0.00	Q				

77+35	0.0000	0.00	Q					82+45	0.0000	0.00	Q				
77+40	0.0000	0.00	Q					82+50	0.0000	0.00	Q				
77+45	0.0000	0.00	Q					82+55	0.0000	0.00	Q				
77+50	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q				
77+55	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q				
78+ 0	0.0000	0.00	Q					83+10	0.0000	0.00	Q				
78+ 5	0.0000	0.00	Q					83+15	0.0000	0.00	Q				
78+10	0.0000	0.00	Q					83+20	0.0000	0.00	Q				
78+15	0.0000	0.00	Q					83+25	0.0000	0.00	Q				
78+20	0.0000	0.00	Q					83+30	0.0000	0.00	Q				
78+25	0.0000	0.00	Q					83+35	0.0000	0.00	Q				
78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				
79+25	0.0000	0.00	Q					84+35	0.0000	0.00	Q				
79+30	0.0000	0.00	Q					84+40	0.0000	0.00	Q				
79+35	0.0000	0.00	Q					84+45	0.0000	0.00	Q				
79+40	0.0000	0.00	Q					84+50	0.0000	0.00	Q				
79+45	0.0000	0.00	Q					84+55	0.0000	0.00	Q				
79+50	0.0000	0.00	Q					85+ 0	0.0000	0.00	Q				
79+55	0.0000	0.00	Q					85+ 5	0.0000	0.00	Q				
80+ 0	0.0000	0.00	Q					85+10	0.0000	0.00	Q				
80+ 5	0.0000	0.00	Q					85+15	0.0000	0.00	Q				
80+10	0.0000	0.00	Q					85+20	0.0000	0.00	Q				
80+15	0.0000	0.00	Q					85+25	0.0000	0.00	Q				
80+20	0.0000	0.00	Q					85+30	0.0000	0.00	Q				
80+25	0.0000	0.00	Q					85+35	0.0000	0.00	Q				
80+30	0.0000	0.00	Q					85+40	0.0000	0.00	Q				
80+35	0.0000	0.00	Q					85+45	0.0000	0.00	Q				
80+40	0.0000	0.00	Q					85+50	0.0000	0.00	Q				
80+45	0.0000	0.00	Q					85+55	0.0000	0.00	Q				
80+50	0.0000	0.00	Q					86+ 0	0.0000	0.00	Q				
80+55	0.0000	0.00	Q					86+ 5	0.0000	0.00	Q				
81+ 0	0.0000	0.00	Q					86+10	0.0000	0.00	Q				
81+ 5	0.0000	0.00	Q					86+15	0.0000	0.00	Q				
81+10	0.0000	0.00	Q					86+20	0.0000	0.00	Q				
81+15	0.0000	0.00	Q					86+25	0.0000	0.00	Q				
81+20	0.0000	0.00	Q					86+30	0.0000	0.00	Q				
81+25	0.0000	0.00	Q					86+35	0.0000	0.00	Q				
81+30	0.0000	0.00	Q					86+40	0.0000	0.00	Q				
81+35	0.0000	0.00	Q					86+45	0.0000	0.00	Q				
81+40	0.0000	0.00	Q					86+50	0.0000	0.00	Q				
81+45	0.0000	0.00	Q					86+55	0.0000	0.00	Q				
81+50	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q				
81+55	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q				
82+ 0	0.0000	0.00	Q					87+10	0.0000	0.00	Q				
82+ 5	0.0000	0.00	Q					87+15	0.0000	0.00	Q				
82+10	0.0000	0.00	Q					87+20	0.0000	0.00	Q				
82+15	0.0000	0.00	Q					87+25	0.0000	0.00	Q				
82+20	0.0000	0.00	Q					87+30	0.0000	0.00	Q				
82+25	0.0000	0.00	Q					87+35	0.0000	0.00	Q				
82+30	0.0000	0.00	Q					87+40	0.0000	0.00	Q				
82+35	0.0000	0.00	Q					87+45	0.0000	0.00	Q				
82+40	0.0000	0.00	Q					87+50	0.0000	0.00	Q				

87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+50	0.0000	0.00	Q				
89+45	0.0000	0.00	Q					94+55	0.0000	0.00	Q				
89+50	0.0000	0.00	Q					95+ 0	0.0000	0.00	Q				
89+55	0.0000	0.00	Q					95+ 5	0.0000	0.00	Q				
90+ 0	0.0000	0.00	Q					95+10	0.0000	0.00	Q				
90+ 5	0.0000	0.00	Q					95+15	0.0000	0.00	Q				
90+10	0.0000	0.00	Q					95+20	0.0000	0.00	Q				
90+15	0.0000	0.00	Q					95+25	0.0000	0.00	Q				
90+20	0.0000	0.00	Q					95+30	0.0000	0.00	Q				
90+25	0.0000	0.00	Q					95+35	0.0000	0.00	Q				
90+30	0.0000	0.00	Q					95+40	0.0000	0.00	Q				
90+35	0.0000	0.00	Q					95+45	0.0000	0.00	Q				
90+40	0.0000	0.00	Q					95+50	0.0000	0.00	Q				
90+45	0.0000	0.00	Q					95+55	0.0000	0.00	Q				
90+50	0.0000	0.00	Q					96+ 0	0.0000	0.00	Q				
90+55	0.0000	0.00	Q					96+ 5	0.0000	0.00	Q				
91+ 0	0.0000	0.00	Q					96+10	0.0000	0.00	Q				
91+ 5	0.0000	0.00	Q					96+15	0.0000	0.00	Q				
91+10	0.0000	0.00	Q					96+20	0.0000	0.00	Q				
91+15	0.0000	0.00	Q					96+25	0.0000	0.00	Q				
91+20	0.0000	0.00	Q					96+30	0.0000	0.00	Q				
91+25	0.0000	0.00	Q					96+35	0.0000	0.00	Q				
91+30	0.0000	0.00	Q					96+40	0.0000	0.00	Q				
91+35	0.0000	0.00	Q					96+45	0.0000	0.00	Q				
91+40	0.0000	0.00	Q					96+50	0.0000	0.00	Q				
91+45	0.0000	0.00	Q					96+55	0.0000	0.00	Q				
91+50	0.0000	0.00	Q					97+ 0	0.0000	0.00	Q				
91+55	0.0000	0.00	Q					97+ 5	0.0000	0.00	Q				
92+ 0	0.0000	0.00	Q					97+10	0.0000	0.00	Q				
92+ 5	0.0000	0.00	Q					97+15	0.0000	0.00	Q				
92+10	0.0000	0.00	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.00	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.00	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.00	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.00	Q					97+40	0.0000	0.00	Q				
92+35	0.0000	0.00	Q					97+45	0.0000	0.00	Q				
92+40	0.0000	0.00	Q					97+50	0.0000	0.00	Q				
92+45	0.0000	0.00	Q					97+55	0.0000	0.00	Q				
92+50	0.0000	0.00	Q					98+ 0	0.0000	0.00	Q				
92+55	0.0000	0.00	Q					98+ 5	0.0000	0.00	Q				
93+ 0	0.0000	0.00	Q					98+10	0.0000	0.00	Q				

98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				
102+55	0.0000	0.00	Q					108+ 5	0.0000	0.00	Q				
103+ 0	0.0000	0.00	Q					108+10	0.0000	0.00	Q				
103+ 5	0.0000	0.00	Q					108+15	0.0000	0.00	Q				
103+10	0.0000	0.00	Q					108+20	0.0000	0.00	Q				
103+15	0.0000	0.00	Q					108+25	0.0000	0.00	Q				
103+20	0.0000	0.00	Q					108+30	0.0000	0.00	Q				

108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				
113+35	0.0000	0.00	Q					118+45	0.0000	0.00	Q				
113+40	0.0000	0.00	Q					118+50	0.0000	0.00	Q				

118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q								
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q								
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q								
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q								
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q								
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q								
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q								
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q								
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q								
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q								
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q								
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q								
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q								
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q								
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q								
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q								
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q								
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q								
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q								
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q								
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q								
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q								
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q								
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q								
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q								
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q								
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q								
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q								
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q								
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q								
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q								
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q								
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q								
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q								
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q								
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q								
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q								
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q								
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q								
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q								
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q								
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q								
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q								
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q								
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q								
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q								
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q								
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q								
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q								
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q								
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q								
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q								
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q								
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q								
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q								
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q								
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q								
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q								
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q								
123+50	0.0000	0.00	Q					129+ 0	0.0000	0.00	Q								
123+55	0.0000	0.00	Q					129+ 5	0.0000	0.00	Q								
124+ 0	0.0000	0.00	Q					129+10	0.0000	0.00	Q								

129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+10	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+15	0.0000	0.00	Q				
133+10	0.0000	0.00	Q					138+20	0.0000	0.00	Q				
133+15	0.0000	0.00	Q					138+25	0.0000	0.00	Q				
133+20	0.0000	0.00	Q					138+30	0.0000	0.00	Q				
133+25	0.0000	0.00	Q					138+35	0.0000	0.00	Q				
133+30	0.0000	0.00	Q					138+40	0.0000	0.00	Q				
133+35	0.0000	0.00	Q					138+45	0.0000	0.00	Q				
133+40	0.0000	0.00	Q					138+50	0.0000	0.00	Q				
133+45	0.0000	0.00	Q					138+55	0.0000	0.00	Q				
133+50	0.0000	0.00	Q					139+ 0	0.0000	0.00	Q				
133+55	0.0000	0.00	Q					139+ 5	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q					139+10	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q					139+15	0.0000	0.00	Q				
134+10	0.0000	0.00	Q					139+20	0.0000	0.00	Q				
134+15	0.0000	0.00	Q					139+25	0.0000	0.00	Q				
134+20	0.0000	0.00	Q					139+30	0.0000	0.00	Q				

```
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  5003
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      139.262 (CFS)
                        Total volume =      58.111 (Ac.Ft)
                Status of hydrographs being held in storage
                          Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.500
        **** STREAM ROUTING SCS CONVEX METHOD ****
        ________________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =   3440.00 (Ft.)
        Elevation difference =  109.00 (Ft.)
        Slope of channel =  0.031686 (Vert/Horiz)
        Channel type - Improved Channel


        Channel length =  3440.00(Ft.)     Elevation difference = 109.00(Ft.)
        Channel evaluation using mean flow rate of hydrograph
        Channel base width  =  180.000(Ft.)
        Slope or 'Z' of left channel bank =   2.000
        Slope or 'Z' of right channel bank =   2.000
        Manning's 'N'    = 0.030
        Maximum depth of channel  =   20.000(Ft.)
        Flow(q) thru subarea =     32.877(CFS)
        Depth of flow =     0.098(Ft.)
        Average velocity =     1.868(Ft/s)
        Total flow rate =    32.877(CFS)
        Channel flow top width =  180.391(Ft.)
        Depth of flow in channel =   0.10(Ft.)
        Total number of channels (same dimensions) = 1
        Flow Velocity =    1.87(Ft/s)
        Travel time  =    2.94 min.
        Individual channel flow =   32.877(CFS)
        Total capacity of improved channels =     32.877(CFS)
        Critical Depth in Channel =    0.10(Ft.)


        Channel evaluation using maximum flow rate of hydrograph
        Flow(q) thru subarea =    139.262(CFS)
        Depth of flow =     0.232(Ft.)
        Average velocity =     3.324(Ft/s)
        Total flow rate =   139.262(CFS)
        Channel flow top width =  180.929(Ft.)
        Depth of flow in channel =   0.23(Ft.)
        Total number of channels (same dimensions) = 1
        Flow Velocity =    3.32(Ft/s)
        Travel time  =    2.94 min.
        Individual channel flow =  139.262(CFS)
        Total capacity of improved channels =    139.262(CFS)
        Critical Depth in Channel =    0.27(Ft.)

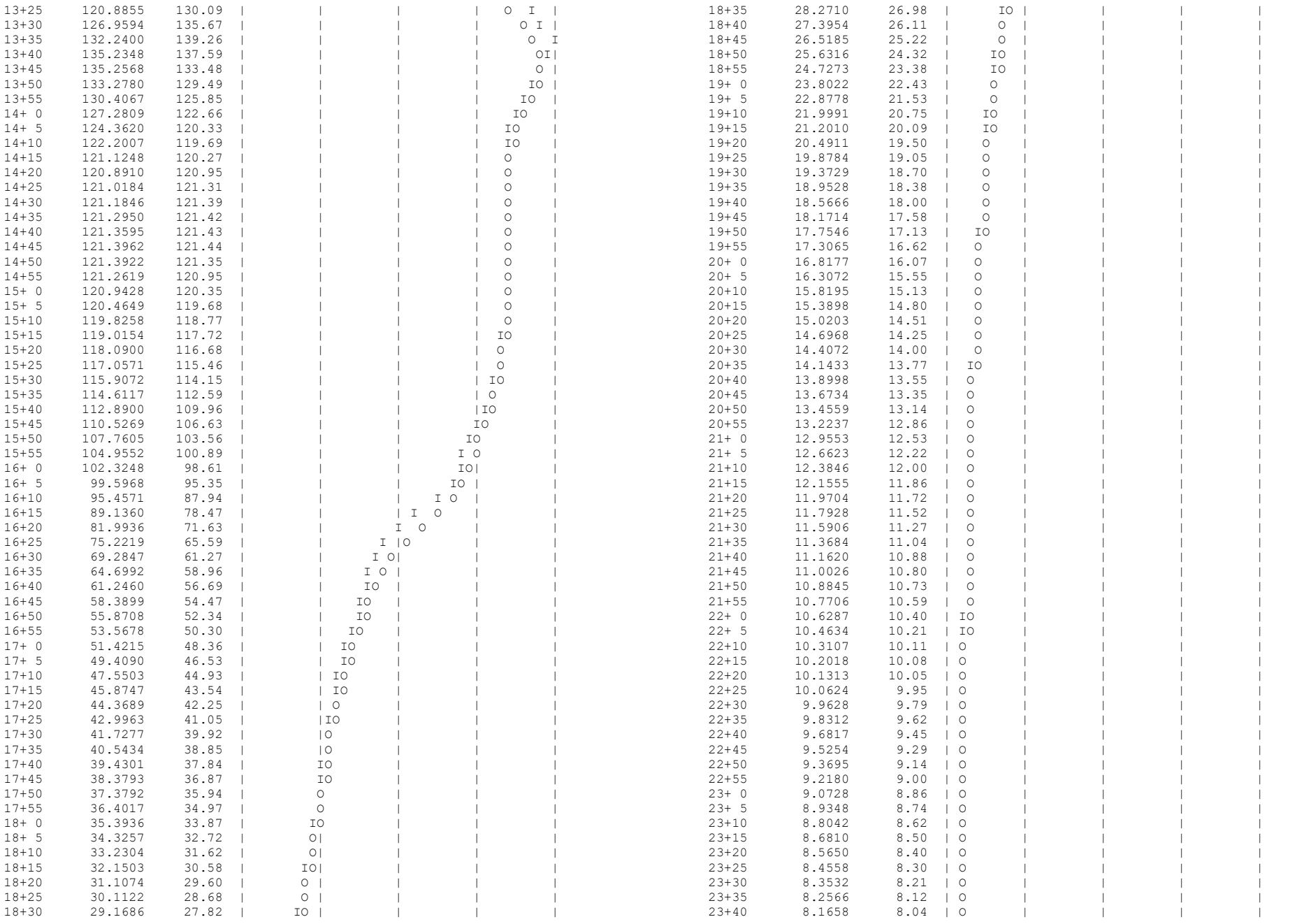

        ********************** SCS CONVEX CHANNEL ROUTING *********************
        Convex method of stream routing  data items:
        Using equation: Outflow =
        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.6616   Travel time =  17.25 (min.)
                dt*(unit time interval) =   5.00(min.),  e=   0.6254
                dt(routing time-step) =  11.41 (min.),   c* =   0.4922

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       34.8      69.6     104.4     139.3
------------------------------------------------------------------------
  0+ 5       0.0022      0.01  O         |         |         |         |
  0+10       0.0120      0.03  O         |         |         |         |
  0+15       0.0307      0.06  O         |         |         |         |
  0+20       0.0541      0.09  O         |         |         |         |
  0+25       0.0814      0.12  O         |         |         |         |
  0+30       0.1127      0.16  O         |         |         |         |
  0+35       0.1456      0.19  O         |         |         |         |
  0+40       0.1782      0.23  O         |         |         |         |
  0+45       0.2106      0.26  O         |         |         |         |
  0+50       0.2437      0.29  O         |         |         |         |
  0+55       0.2806      0.34  O         |         |         |         |
  1+ 0       0.3217      0.38  O         |         |         |         |
  1+ 5       0.3631      0.42  O         |         |         |         |
  1+10       0.3960      0.44  O         |         |         |         |
  1+15       0.4191      0.45  O         |         |         |         |
  1+20       0.4380      0.46  O         |         |         |         |
  1+25       0.4558      0.48  O         |         |         |         |
  1+30       0.4732      0.50  O         |         |         |         |
  1+35       0.4905      0.52  O         |         |         |         |
  1+40       0.5077      0.53  O         |         |         |         |
  1+45       0.5248      0.55  O         |         |         |         |
  1+50       0.5418      0.57  O         |         |         |         |
  1+55       0.5598      0.59  O         |         |         |         |
  2+ 0       0.5788      0.61  O         |         |         |         |
  2+ 5       0.5974      0.62  O         |         |         |         |
  2+10       0.6145      0.64  O         |         |         |         |
  2+15       0.6305      0.65  O         |         |         |         |
  2+20       0.6460      0.67  O         |         |         |         |
  2+25       0.6611      0.68  O         |         |         |         |
  2+30       0.6760      0.70  O         |         |         |         |
  2+35       0.6918      0.72  O         |         |         |         |
  2+40       0.7103      0.74  O         |         |         |         |
  2+45       0.7316      0.76  O         |         |         |         |
  2+50       0.7530      0.78  O         |         |         |         |
  2+55       0.7734      0.80  O         |         |         |         |
  3+ 0       0.7918      0.82  O         |         |         |         |
```

3+ 5	0.8080	0.83	O	|	|	|	|	8+15	1.9127	2.10	O	|	|	|	|
3+10	0.8225	0.84	O	|	|	|	|	8+20	2.0222	2.16	O	|	|	|	|
3+15	0.8359	0.85	O	|	|	|	|	8+25	2.0991	2.19	O	|	|	|	|
3+20	0.8486	0.87	O	|	|	|	|	8+30	2.1521	2.22	O	|	|	|	|
3+25	0.8611	0.88	O	|	|	|	|	8+35	2.1987	2.27	O	|	|	|	|
3+30	0.8734	0.89	O	|	|	|	|	8+40	2.2612	2.37	O	|	|	|	|
3+35	0.8856	0.90	O	|	|	|	|	8+45	2.3375	2.45	O	|	|	|	|
3+40	0.8978	0.92	O	|	|	|	|	8+50	2.4134	2.52	O	|	|	|	|
3+45	0.9098	0.93	O	|	|	|	|	8+55	2.4964	2.63	O	|	|	|	|
3+50	0.9223	0.94	O	|	|	|	|	9+ 0	2.5851	2.71	O	|	|	|	|
3+55	0.9368	0.96	O	|	|	|	|	9+ 5	2.6755	2.81	O	|	|	|	|
4+ 0	0.9534	0.98	O	|	|	|	|	9+10	2.7933	3.00	O	|	|	|	|
4+ 5	0.9697	0.99	O	|	|	|	|	9+15	2.9323	3.14	O	|	|	|	|
4+10	0.9846	1.01	O	|	|	|	|	9+20	3.0577	3.22	O	|	|	|	|
4+15	0.9983	1.02	O	|	|	|	|	9+25	3.1706	3.34	O	|	|	|	|
4+20	1.0117	1.03	O	|	|	|	|	9+30	3.2757	3.42	O	|	|	|	|
4+25	1.0272	1.05	O	|	|	|	|	9+35	3.3674	3.49	OI	|	|	|	|
4+30	1.0446	1.07	O	|	|	|	|	9+40	3.4592	3.60	OI	|	|	|	|
4+35	1.0615	1.09	O	|	|	|	|	9+45	3.5531	3.69	|O	|	|	|	|
4+40	1.0767	1.10	O	|	|	|	|	9+50	3.6396	3.76	|O	|	|	|	|
4+45	1.0908	1.11	O	|	|	|	|	9+55	3.7292	3.87	|O	|	|	|	|
4+50	1.1050	1.13	O	|	|	|	|	10+ 0	3.8220	3.96	|O	|	|	|	|
4+55	1.1215	1.15	O	|	|	|	|	10+ 5	3.8439	3.80	|O	|	|	|	|
5+ 0	1.1400	1.17	O	|	|	|	|	10+10	3.7183	3.43	IO	|	|	|	|
5+ 5	1.1565	1.18	O	|	|	|	|	10+15	4.1125	5.37	|O	|	|	|	|
5+10	1.1661	1.17	O	|	|	|	|	10+20	5.2783	7.35	|OI	|	|	|	|
5+15	1.1693	1.17	O	|	|	|	|	10+25	6.8208	9.24	|OI	|	|	|	|
5+20	1.1726	1.18	O	|	|	|	|	10+30	8.5072	11.03	| OI	|	|	|	|
5+25	1.1803	1.20	O	|	|	|	|	10+35	10.2817	12.96	| OI	|	|	|	|
5+30	1.1919	1.21	O	|	|	|	|	10+40	12.2660	15.37	| OI	|	|	|	|
5+35	1.2050	1.22	O	|	|	|	|	10+45	14.4857	17.87	| OI	|	|	|	|
5+40	1.2198	1.24	O	|	|	|	|	10+50	16.9799	20.86	| OI	|	|	|	|
5+45	1.2360	1.26	O	|	|	|	|	10+55	19.8419	24.30	| OI	|	|	|	|
5+50	1.2515	1.27	O	|	|	|	|	11+ 0	22.9413	27.57	| OI	|	|	|	|
5+55	1.2653	1.28	O	|	|	|	|	11+ 5	26.0694	30.64	| OI	|	|	|	|
6+ 0	1.2775	1.29	O	|	|	|	|	11+10	29.0894	33.43	| OI|	|	|	|	|
6+ 5	1.2891	1.31	O	|	|	|	|	11+15	31.9366	36.00	| OI	|	|	|	|
6+10	1.3021	1.32	O	|	|	|	|	11+20	34.6182	38.46	| O|I	|	|	|	|
6+15	1.3165	1.34	O	|	|	|	|	11+25	37.1468	40.76	| OI	|	|	|	|
6+20	1.3303	1.35	O	|	|	|	|	11+30	39.5204	42.91	| |OI	|	|	|	|
6+25	1.3426	1.36	O	|	|	|	|	11+35	41.7261	44.85	| |OI	|	|	|	|
6+30	1.3537	1.37	O	|	|	|	|	11+40	43.7054	46.44	| | OI	|	|	|	|
6+35	1.3649	1.38	O	|	|	|	|	11+45	45.4350	47.82	| | O	|	|	|	|
6+40	1.3787	1.40	O	|	|	|	|	11+50	47.2144	50.01	| | OI	|	|	|	|
6+45	1.3947	1.42	O	|	|	|	|	11+55	49.3581	52.79	| | OI	|	|	|	|
6+50	1.4105	1.43	O	|	|	|	|	12+ 0	51.7653	55.39	| | OI	|	|	|	|
6+55	1.4249	1.45	O	|	|	|	|	12+ 5	54.3496	58.29	| | OI	|	|	|	|
7+ 0	1.4381	1.46	O	|	|	|	|	12+10	57.4869	62.62	| | OI	|	|	|	|
7+ 5	1.4508	1.47	O	|	|	|	|	12+15	61.4134	67.68	| | O I|	|	|	|	|
7+10	1.4631	1.48	O	|	|	|	|	12+20	65.7819	72.32	| | O I	|	|	|	|
7+15	1.4760	1.50	O	|	|	|	|	12+25	70.2050	76.67	| | O I	|	|	|	|
7+20	1.4908	1.51	O	|	|	|	|	12+30	74.4959	80.68	| | |O I	|	|	|	|
7+25	1.5091	1.54	O	|	|	|	|	12+35	78.5651	84.39	| | | O I	|	|	|	|
7+30	1.5300	1.56	O	|	|	|	|	12+40	82.4796	88.18	| | | O I	|	|	|	|
7+35	1.5516	1.58	O	|	|	|	|	12+45	86.3070	91.88	| | | O I	|	|	|	|
7+40	1.5746	1.61	O	|	|	|	|	12+50	89.9859	95.27	| | | O I	|	|	|	|
7+45	1.5987	1.63	O	|	|	|	|	12+55	93.4886	98.53	| | | O I	|	|	|	|
7+50	1.6209	1.65	O	|	|	|	|	13+ 0	96.8227	101.61	| | | O I|	|	|	|	|
7+55	1.6419	1.67	O	|	|	|	|	13+ 5	100.0603	104.80	| | | O I	|	|	|	|
8+ 0	1.6639	1.70	O	|	|	|	|	13+10	103.5285	108.91	| | | O|I	|	|	|	|
8+ 5	1.7025	1.78	O	|	|	|	|	13+15	108.3844	116.89	| | | |O I	|	|	|	|
8+10	1.7896	1.96	O	|	|	|	|	13+20	114.5419	124.02	| | | | O I	|	|	|	|



| | | |

23+45	8.0804	7.96	| O	|	|	|	|	28+55	0.0000	0.00	O	|	|	|	|
23+50	8.0001	7.89	| O	|	|	|	|	29+ 0	0.0000	0.00	O	|	|	|	|
23+55	7.9247	7.82	| O	|	|	|	|	29+ 5	0.0000	0.00	O	|	|	|	|
24+ 0	7.8537	7.75	| O	|	|	|	|	29+10	0.0000	0.00	O	|	|	|	|
24+ 5	5.6687	0.03	IO	|	|	|	|	29+15	0.0000	0.00	O	|	|	|	|
24+10	2.8902	0.02	O	|	|	|	|	29+20	0.0000	0.00	O	|	|	|	|
24+15	1.4725	0.00	O	|	|	|	|	29+25	0.0000	0.00	O	|	|	|	|
24+20	0.7491	0.00	O	|	|	|	|	29+30	0.0000	0.00	O	|	|	|	|
24+25	0.3806	0.00	O	|	|	|	|	29+35	0.0000	0.00	O	|	|	|	|
24+30	0.1933	0.00	O	|	|	|	|	29+40	0.0000	0.00	O	|	|	|	|
24+35	0.0982	0.00	O	|	|	|	|	29+45	0.0000	0.00	O	|	|	|	|
24+40	0.0498	0.00	O	|	|	|	|	29+50	0.0000	0.00	O	|	|	|	|
24+45	0.0253	0.00	O	|	|	|	|	29+55	0.0000	0.00	O	|	|	|	|
24+50	0.0129	0.00	O	|	|	|	|	30+ 0	0.0000	0.00	O	|	|	|	|
24+55	0.0065	0.00	O	|	|	|	|	30+ 5	0.0000	0.00	O	|	|	|	|
25+ 0	0.0033	0.00	O	|	|	|	|	30+10	0.0000	0.00	O	|	|	|	|
25+ 5	0.0017	0.00	O	|	|	|	|	30+15	0.0000	0.00	O	|	|	|	|
25+10	0.0009	0.00	O	|	|	|	|	30+20	0.0000	0.00	O	|	|	|	|
25+15	0.0004	0.00	O	|	|	|	|	30+25	0.0000	0.00	O	|	|	|	|
25+20	0.0002	0.00	O	|	|	|	|	30+30	0.0000	0.00	O	|	|	|	|
25+25	0.0001	0.00	O	|	|	|	|	30+35	0.0000	0.00	O	|	|	|	|
25+30	0.0001	0.00	O	|	|	|	|	30+40	0.0000	0.00	O	|	|	|	|
25+35	0.0000	0.00	O	|	|	|	|	30+45	0.0000	0.00	O	|	|	|	|
25+40	0.0000	0.00	O	|	|	|	|	30+50	0.0000	0.00	O	|	|	|	|
25+45	0.0000	0.00	O	|	|	|	|	30+55	0.0000	0.00	O	|	|	|	|
25+50	0.0000	0.00	O	|	|	|	|	31+ 0	0.0000	0.00	O	|	|	|	|
25+55	0.0000	0.00	O	|	|	|	|	31+ 5	0.0000	0.00	O	|	|	|	|
26+ 0	0.0000	0.00	O	|	|	|	|	31+10	0.0000	0.00	O	|	|	|	|
26+ 5	0.0000	0.00	O	|	|	|	|	31+15	0.0000	0.00	O	|	|	|	|
26+10	0.0000	0.00	O	|	|	|	|	31+20	0.0000	0.00	O	|	|	|	|
26+15	0.0000	0.00	O	|	|	|	|	31+25	0.0000	0.00	O	|	|	|	|
26+20	0.0000	0.00	O	|	|	|	|	31+30	0.0000	0.00	O	|	|	|	|
26+25	0.0000	0.00	O	|	|	|	|	31+35	0.0000	0.00	O	|	|	|	|
26+30	0.0000	0.00	O	|	|	|	|	31+40	0.0000	0.00	O	|	|	|	|
26+35	0.0000	0.00	O	|	|	|	|	31+45	0.0000	0.00	O	|	|	|	|
26+40	0.0000	0.00	O	|	|	|	|	31+50	0.0000	0.00	O	|	|	|	|
26+45	0.0000	0.00	O	|	|	|	|	31+55	0.0000	0.00	O	|	|	|	|
26+50	0.0000	0.00	O	|	|	|	|	32+ 0	0.0000	0.00	O	|	|	|	|
26+55	0.0000	0.00	O	|	|	|	|	32+ 5	0.0000	0.00	O	|	|	|	|
27+ 0	0.0000	0.00	O	|	|	|	|	32+10	0.0000	0.00	O	|	|	|	|
27+ 5	0.0000	0.00	O	|	|	|	|	32+15	0.0000	0.00	O	|	|	|	|
27+10	0.0000	0.00	O	|	|	|	|	32+20	0.0000	0.00	O	|	|	|	|
27+15	0.0000	0.00	O	|	|	|	|	32+25	0.0000	0.00	O	|	|	|	|
27+20	0.0000	0.00	O	|	|	|	|	32+30	0.0000	0.00	O	|	|	|	|
27+25	0.0000	0.00	O	|	|	|	|	32+35	0.0000	0.00	O	|	|	|	|
27+30	0.0000	0.00	O	|	|	|	|	32+40	0.0000	0.00	O	|	|	|	|
27+35	0.0000	0.00	O	|	|	|	|	32+45	0.0000	0.00	O	|	|	|	|
27+40	0.0000	0.00	O	|	|	|	|	32+50	0.0000	0.00	O	|	|	|	|
27+45	0.0000	0.00	O	|	|	|	|	32+55	0.0000	0.00	O	|	|	|	|
27+50	0.0000	0.00	O	|	|	|	|	33+ 0	0.0000	0.00	O	|	|	|	|
27+55	0.0000	0.00	O	|	|	|	|	33+ 5	0.0000	0.00	O	|	|	|	|
28+ 0	0.0000	0.00	O	|	|	|	|	33+10	0.0000	0.00	O	|	|	|	|
28+ 5	0.0000	0.00	O	|	|	|	|	33+15	0.0000	0.00	O	|	|	|	|
28+10	0.0000	0.00	O	|	|	|	|	33+20	0.0000	0.00	O	|	|	|	|
28+15	0.0000	0.00	O	|	|	|	|	33+25	0.0000	0.00	O	|	|	|	|
28+20	0.0000	0.00	O	|	|	|	|	33+30	0.0000	0.00	O	|	|	|	|
28+25	0.0000	0.00	O	|	|	|	|	33+35	0.0000	0.00	O	|	|	|	|
28+30	0.0000	0.00	O	|	|	|	|	33+40	0.0000	0.00	O	|	|	|	|
28+35	0.0000	0.00	O	|	|	|	|	33+45	0.0000	0.00	O	|	|	|	|
28+40	0.0000	0.00	O	|	|	|	|	33+50	0.0000	0.00	O	|	|	|	|
28+45	0.0000	0.00	O	|	|	|	|	33+55	0.0000	0.00	O	|	|	|	|
28+50	0.0000	0.00	O	|	|	|	|	34+ 0	0.0000	0.00	O	|	|	|	|

34+ 5	0.0000	0.00	O	|	|	|	|	39+15	0.0000	0.00	O	|	|	|	|
34+10	0.0000	0.00	O	|	|	|	|	39+20	0.0000	0.00	O	|	|	|	|
34+15	0.0000	0.00	O	|	|	|	|	39+25	0.0000	0.00	O	|	|	|	|
34+20	0.0000	0.00	O	|	|	|	|	39+30	0.0000	0.00	O	|	|	|	|
34+25	0.0000	0.00	O	|	|	|	|	39+35	0.0000	0.00	O	|	|	|	|
34+30	0.0000	0.00	O	|	|	|	|	39+40	0.0000	0.00	O	|	|	|	|
34+35	0.0000	0.00	O	|	|	|	|	39+45	0.0000	0.00	O	|	|	|	|
34+40	0.0000	0.00	O	|	|	|	|	39+50	0.0000	0.00	O	|	|	|	|
34+45	0.0000	0.00	O	|	|	|	|	39+55	0.0000	0.00	O	|	|	|	|
34+50	0.0000	0.00	O	|	|	|	|	40+ 0	0.0000	0.00	O	|	|	|	|
34+55	0.0000	0.00	O	|	|	|	|	40+ 5	0.0000	0.00	O	|	|	|	|
35+ 0	0.0000	0.00	O	|	|	|	|	40+10	0.0000	0.00	O	|	|	|	|
35+ 5	0.0000	0.00	O	|	|	|	|	40+15	0.0000	0.00	O	|	|	|	|
35+10	0.0000	0.00	O	|	|	|	|	40+20	0.0000	0.00	O	|	|	|	|
35+15	0.0000	0.00	O	|	|	|	|	40+25	0.0000	0.00	O	|	|	|	|
35+20	0.0000	0.00	O	|	|	|	|	40+30	0.0000	0.00	O	|	|	|	|
35+25	0.0000	0.00	O	|	|	|	|	40+35	0.0000	0.00	O	|	|	|	|
35+30	0.0000	0.00	O	|	|	|	|	40+40	0.0000	0.00	O	|	|	|	|
35+35	0.0000	0.00	O	|	|	|	|	40+45	0.0000	0.00	O	|	|	|	|
35+40	0.0000	0.00	O	|	|	|	|	40+50	0.0000	0.00	O	|	|	|	|
35+45	0.0000	0.00	O	|	|	|	|	40+55	0.0000	0.00	O	|	|	|	|
35+50	0.0000	0.00	O	|	|	|	|	41+ 0	0.0000	0.00	O	|	|	|	|
35+55	0.0000	0.00	O	|	|	|	|	41+ 5	0.0000	0.00	O	|	|	|	|
36+ 0	0.0000	0.00	O	|	|	|	|	41+10	0.0000	0.00	O	|	|	|	|
36+ 5	0.0000	0.00	O	|	|	|	|	41+15	0.0000	0.00	O	|	|	|	|
36+10	0.0000	0.00	O	|	|	|	|	41+20	0.0000	0.00	O	|	|	|	|
36+15	0.0000	0.00	O	|	|	|	|	41+25	0.0000	0.00	O	|	|	|	|
36+20	0.0000	0.00	O	|	|	|	|	41+30	0.0000	0.00	O	|	|	|	|
36+25	0.0000	0.00	O	|	|	|	|	41+35	0.0000	0.00	O	|	|	|	|
36+30	0.0000	0.00	O	|	|	|	|	41+40	0.0000	0.00	O	|	|	|	|
36+35	0.0000	0.00	O	|	|	|	|	41+45	0.0000	0.00	O	|	|	|	|
36+40	0.0000	0.00	O	|	|	|	|	41+50	0.0000	0.00	O	|	|	|	|
36+45	0.0000	0.00	O	|	|	|	|	41+55	0.0000	0.00	O	|	|	|	|
36+50	0.0000	0.00	O	|	|	|	|	42+ 0	0.0000	0.00	O	|	|	|	|
36+55	0.0000	0.00	O	|	|	|	|	42+ 5	0.0000	0.00	O	|	|	|	|
37+ 0	0.0000	0.00	O	|	|	|	|	42+10	0.0000	0.00	O	|	|	|	|
37+ 5	0.0000	0.00	O	|	|	|	|	42+15	0.0000	0.00	O	|	|	|	|
37+10	0.0000	0.00	O	|	|	|	|	42+20	0.0000	0.00	O	|	|	|	|
37+15	0.0000	0.00	O	|	|	|	|	42+25	0.0000	0.00	O	|	|	|	|
37+20	0.0000	0.00	O	|	|	|	|	42+30	0.0000	0.00	O	|	|	|	|
37+25	0.0000	0.00	O	|	|	|	|	42+35	0.0000	0.00	O	|	|	|	|
37+30	0.0000	0.00	O	|	|	|	|	42+40	0.0000	0.00	O	|	|	|	|
37+35	0.0000	0.00	O	|	|	|	|	42+45	0.0000	0.00	O	|	|	|	|
37+40	0.0000	0.00	O	|	|	|	|	42+50	0.0000	0.00	O	|	|	|	|
37+45	0.0000	0.00	O	|	|	|	|	42+55	0.0000	0.00	O	|	|	|	|
37+50	0.0000	0.00	O	|	|	|	|	43+ 0	0.0000	0.00	O	|	|	|	|
37+55	0.0000	0.00	O	|	|	|	|	43+ 5	0.0000	0.00	O	|	|	|	|
38+ 0	0.0000	0.00	O	|	|	|	|	43+10	0.0000	0.00	O	|	|	|	|
38+ 5	0.0000	0.00	O	|	|	|	|	43+15	0.0000	0.00	O	|	|	|	|
38+10	0.0000	0.00	O	|	|	|	|	43+20	0.0000	0.00	O	|	|	|	|
38+15	0.0000	0.00	O	|	|	|	|	43+25	0.0000	0.00	O	|	|	|	|
38+20	0.0000	0.00	O	|	|	|	|	43+30	0.0000	0.00	O	|	|	|	|
38+25	0.0000	0.00	O	|	|	|	|	43+35	0.0000	0.00	O	|	|	|	|
38+30	0.0000	0.00	O	|	|	|	|	43+40	0.0000	0.00	O	|	|	|	|
38+35	0.0000	0.00	O	|	|	|	|	43+45	0.0000	0.00	O	|	|	|	|
38+40	0.0000	0.00	O	|	|	|	|	43+50	0.0000	0.00	O	|	|	|	|
38+45	0.0000	0.00	O	|	|	|	|	43+55	0.0000	0.00	O	|	|	|	|
38+50	0.0000	0.00	O	|	|	|	|	44+ 0	0.0000	0.00	O	|	|	|	|
38+55	0.0000	0.00	O	|	|	|	|	44+ 5	0.0000	0.00	O	|	|	|	|
39+ 0	0.0000	0.00	O	|	|	|	|	44+10	0.0000	0.00	O	|	|	|	|
39+ 5	0.0000	0.00	O	|	|	|	|	44+15	0.0000	0.00	O	|	|	|	|
39+10	0.0000	0.00	O	|	|	|	|	44+20	0.0000	0.00	O	|	|	|	|

44+25	0.0000	0.00	O					49+35	0.0000	0.00	O				
44+30	0.0000	0.00	O					49+40	0.0000	0.00	O				
44+35	0.0000	0.00	O					49+45	0.0000	0.00	O				
44+40	0.0000	0.00	O					49+50	0.0000	0.00	O				
44+45	0.0000	0.00	O					49+55	0.0000	0.00	O				
44+50	0.0000	0.00	O					50+ 0	0.0000	0.00	O				
44+55	0.0000	0.00	O					50+ 5	0.0000	0.00	O				
45+ 0	0.0000	0.00	O					50+10	0.0000	0.00	O				
45+ 5	0.0000	0.00	O					50+15	0.0000	0.00	O				
45+10	0.0000	0.00	O					50+20	0.0000	0.00	O				
45+15	0.0000	0.00	O					50+25	0.0000	0.00	O				
45+20	0.0000	0.00	O					50+30	0.0000	0.00	O				
45+25	0.0000	0.00	O					50+35	0.0000	0.00	O				
45+30	0.0000	0.00	O					50+40	0.0000	0.00	O				
45+35	0.0000	0.00	O					50+45	0.0000	0.00	O				
45+40	0.0000	0.00	O					50+50	0.0000	0.00	O				
45+45	0.0000	0.00	O					50+55	0.0000	0.00	O				
45+50	0.0000	0.00	O					51+ 0	0.0000	0.00	O				
45+55	0.0000	0.00	O					51+ 5	0.0000	0.00	O				
46+ 0	0.0000	0.00	O					51+10	0.0000	0.00	O				
46+ 5	0.0000	0.00	O					51+15	0.0000	0.00	O				
46+10	0.0000	0.00	O					51+20	0.0000	0.00	O				
46+15	0.0000	0.00	O					51+25	0.0000	0.00	O				
46+20	0.0000	0.00	O					51+30	0.0000	0.00	O				
46+25	0.0000	0.00	O					51+35	0.0000	0.00	O				
46+30	0.0000	0.00	O					51+40	0.0000	0.00	O				
46+35	0.0000	0.00	O					51+45	0.0000	0.00	O				
46+40	0.0000	0.00	O					51+50	0.0000	0.00	O				
46+45	0.0000	0.00	O					51+55	0.0000	0.00	O				
46+50	0.0000	0.00	O					52+ 0	0.0000	0.00	O				
46+55	0.0000	0.00	O					52+ 5	0.0000	0.00	O				
47+ 0	0.0000	0.00	O					52+10	0.0000	0.00	O				
47+ 5	0.0000	0.00	O					52+15	0.0000	0.00	O				
47+10	0.0000	0.00	O					52+20	0.0000	0.00	O				
47+15	0.0000	0.00	O					52+25	0.0000	0.00	O				
47+20	0.0000	0.00	O					52+30	0.0000	0.00	O				
47+25	0.0000	0.00	O					52+35	0.0000	0.00	O				
47+30	0.0000	0.00	O					52+40	0.0000	0.00	O				
47+35	0.0000	0.00	O					52+45	0.0000	0.00	O				
47+40	0.0000	0.00	O					52+50	0.0000	0.00	O				
47+45	0.0000	0.00	O					52+55	0.0000	0.00	O				
47+50	0.0000	0.00	O					53+ 0	0.0000	0.00	O				
47+55	0.0000	0.00	O					53+ 5	0.0000	0.00	O				
48+ 0	0.0000	0.00	O					53+10	0.0000	0.00	O				
48+ 5	0.0000	0.00	O					53+15	0.0000	0.00	O				
48+10	0.0000	0.00	O					53+20	0.0000	0.00	O				
48+15	0.0000	0.00	O					53+25	0.0000	0.00	O				
48+20	0.0000	0.00	O					53+30	0.0000	0.00	O				
48+25	0.0000	0.00	O					53+35	0.0000	0.00	O				
48+30	0.0000	0.00	O					53+40	0.0000	0.00	O				
48+35	0.0000	0.00	O					53+45	0.0000	0.00	O				
48+40	0.0000	0.00	O					53+50	0.0000	0.00	O				
48+45	0.0000	0.00	O					53+55	0.0000	0.00	O				
48+50	0.0000	0.00	O					54+ 0	0.0000	0.00	O				
48+55	0.0000	0.00	O					54+ 5	0.0000	0.00	O				
49+ 0	0.0000	0.00	O					54+10	0.0000	0.00	O				
49+ 5	0.0000	0.00	O					54+15	0.0000	0.00	O				
49+10	0.0000	0.00	O					54+20	0.0000	0.00	O				
49+15	0.0000	0.00	O					54+25	0.0000	0.00	O				
49+20	0.0000	0.00	O					54+30	0.0000	0.00	O				
49+25	0.0000	0.00	O					54+35	0.0000	0.00	O				
49+30	0.0000	0.00	O					54+40	0.0000	0.00	O				

54+45	0.0000	0.00	O					59+55	0.0000	0.00	O				
54+50	0.0000	0.00	O					60+ 0	0.0000	0.00	O				
54+55	0.0000	0.00	O					60+ 5	0.0000	0.00	O				
55+ 0	0.0000	0.00	O					60+10	0.0000	0.00	O				
55+ 5	0.0000	0.00	O					60+15	0.0000	0.00	O				
55+10	0.0000	0.00	O					60+20	0.0000	0.00	O				
55+15	0.0000	0.00	O					60+25	0.0000	0.00	O				
55+20	0.0000	0.00	O					60+30	0.0000	0.00	O				
55+25	0.0000	0.00	O					60+35	0.0000	0.00	O				
55+30	0.0000	0.00	O					60+40	0.0000	0.00	O				
55+35	0.0000	0.00	O					60+45	0.0000	0.00	O				
55+40	0.0000	0.00	O					60+50	0.0000	0.00	O				
55+45	0.0000	0.00	O					60+55	0.0000	0.00	O				
55+50	0.0000	0.00	O					61+ 0	0.0000	0.00	O				
55+55	0.0000	0.00	O					61+ 5	0.0000	0.00	O				
56+ 0	0.0000	0.00	O					61+10	0.0000	0.00	O				
56+ 5	0.0000	0.00	O					61+15	0.0000	0.00	O				
56+10	0.0000	0.00	O					61+20	0.0000	0.00	O				
56+15	0.0000	0.00	O					61+25	0.0000	0.00	O				
56+20	0.0000	0.00	O					61+30	0.0000	0.00	O				
56+25	0.0000	0.00	O					61+35	0.0000	0.00	O				
56+30	0.0000	0.00	O					61+40	0.0000	0.00	O				
56+35	0.0000	0.00	O					61+45	0.0000	0.00	O				
56+40	0.0000	0.00	O					61+50	0.0000	0.00	O				
56+45	0.0000	0.00	O					61+55	0.0000	0.00	O				
56+50	0.0000	0.00	O					62+ 0	0.0000	0.00	O				
56+55	0.0000	0.00	O					62+ 5	0.0000	0.00	O				
57+ 0	0.0000	0.00	O					62+10	0.0000	0.00	O				
57+ 5	0.0000	0.00	O					62+15	0.0000	0.00	O				
57+10	0.0000	0.00	O					62+20	0.0000	0.00	O				
57+15	0.0000	0.00	O					62+25	0.0000	0.00	O				
57+20	0.0000	0.00	O					62+30	0.0000	0.00	O				
57+25	0.0000	0.00	O					62+35	0.0000	0.00	O				
57+30	0.0000	0.00	O					62+40	0.0000	0.00	O				
57+35	0.0000	0.00	O					62+45	0.0000	0.00	O				
57+40	0.0000	0.00	O					62+50	0.0000	0.00	O				
57+45	0.0000	0.00	O					62+55	0.0000	0.00	O				
57+50	0.0000	0.00	O					63+ 0	0.0000	0.00	O				
57+55	0.0000	0.00	O					63+ 5	0.0000	0.00	O				
58+ 0	0.0000	0.00	O					63+10	0.0000	0.00	O				
58+ 5	0.0000	0.00	O					63+15	0.0000	0.00	O				
58+10	0.0000	0.00	O					63+20	0.0000	0.00	O				
58+15	0.0000	0.00	O					63+25	0.0000	0.00	O				
58+20	0.0000	0.00	O					63+30	0.0000	0.00	O				
58+25	0.0000	0.00	O					63+35	0.0000	0.00	O				
58+30	0.0000	0.00	O					63+40	0.0000	0.00	O				
58+35	0.0000	0.00	O					63+45	0.0000	0.00	O				
58+40	0.0000	0.00	O					63+50	0.0000	0.00	O				
58+45	0.0000	0.00	O					63+55	0.0000	0.00	O				
58+50	0.0000	0.00	O					64+ 0	0.0000	0.00	O				
58+55	0.0000	0.00	O					64+ 5	0.0000	0.00	O				
59+ 0	0.0000	0.00	O					64+10	0.0000	0.00	O				
59+ 5	0.0000	0.00	O					64+15	0.0000	0.00	O				
59+10	0.0000	0.00	O					64+20	0.0000	0.00	O				
59+15	0.0000	0.00	O					64+25	0.0000	0.00	O				
59+20	0.0000	0.00	O					64+30	0.0000	0.00	O				
59+25	0.0000	0.00	O					64+35	0.0000	0.00	O				
59+30	0.0000	0.00	O					64+40	0.0000	0.00	O				
59+35	0.0000	0.00	O					64+45	0.0000	0.00	O				
59+40	0.0000	0.00	O					64+50	0.0000	0.00	O				
59+45	0.0000	0.00	O					64+55	0.0000	0.00	O				
59+50	0.0000	0.00	O					65+ 0	0.0000	0.00	O				

65+ 5	0.0000	0.00	O					70+15	0.0000	0.00	O				
65+10	0.0000	0.00	O					70+20	0.0000	0.00	O				
65+15	0.0000	0.00	O					70+25	0.0000	0.00	O				
65+20	0.0000	0.00	O					70+30	0.0000	0.00	O				
65+25	0.0000	0.00	O					70+35	0.0000	0.00	O				
65+30	0.0000	0.00	O					70+40	0.0000	0.00	O				
65+35	0.0000	0.00	O					70+45	0.0000	0.00	O				
65+40	0.0000	0.00	O					70+50	0.0000	0.00	O				
65+45	0.0000	0.00	O					70+55	0.0000	0.00	O				
65+50	0.0000	0.00	O					71+ 0	0.0000	0.00	O				
65+55	0.0000	0.00	O					71+ 5	0.0000	0.00	O				
66+ 0	0.0000	0.00	O					71+10	0.0000	0.00	O				
66+ 5	0.0000	0.00	O					71+15	0.0000	0.00	O				
66+10	0.0000	0.00	O					71+20	0.0000	0.00	O				
66+15	0.0000	0.00	O					71+25	0.0000	0.00	O				
66+20	0.0000	0.00	O					71+30	0.0000	0.00	O				
66+25	0.0000	0.00	O					71+35	0.0000	0.00	O				
66+30	0.0000	0.00	O					71+40	0.0000	0.00	O				
66+35	0.0000	0.00	O					71+45	0.0000	0.00	O				
66+40	0.0000	0.00	O					71+50	0.0000	0.00	O				
66+45	0.0000	0.00	O					71+55	0.0000	0.00	O				
66+50	0.0000	0.00	O					72+ 0	0.0000	0.00	O				
66+55	0.0000	0.00	O					72+ 5	0.0000	0.00	O				
67+ 0	0.0000	0.00	O					72+10	0.0000	0.00	O				
67+ 5	0.0000	0.00	O					72+15	0.0000	0.00	O				
67+10	0.0000	0.00	O					72+20	0.0000	0.00	O				
67+15	0.0000	0.00	O					72+25	0.0000	0.00	O				
67+20	0.0000	0.00	O					72+30	0.0000	0.00	O				
67+25	0.0000	0.00	O					72+35	0.0000	0.00	O				
67+30	0.0000	0.00	O					72+40	0.0000	0.00	O				
67+35	0.0000	0.00	O					72+45	0.0000	0.00	O				
67+40	0.0000	0.00	O					72+50	0.0000	0.00	O				
67+45	0.0000	0.00	O					72+55	0.0000	0.00	O				
67+50	0.0000	0.00	O					73+ 0	0.0000	0.00	O				
67+55	0.0000	0.00	O					73+ 5	0.0000	0.00	O				
68+ 0	0.0000	0.00	O					73+10	0.0000	0.00	O				
68+ 5	0.0000	0.00	O					73+15	0.0000	0.00	O				
68+10	0.0000	0.00	O					73+20	0.0000	0.00	O				
68+15	0.0000	0.00	O					73+25	0.0000	0.00	O				
68+20	0.0000	0.00	O					73+30	0.0000	0.00	O				
68+25	0.0000	0.00	O					73+35	0.0000	0.00	O				
68+30	0.0000	0.00	O					73+40	0.0000	0.00	O				
68+35	0.0000	0.00	O					73+45	0.0000	0.00	O				
68+40	0.0000	0.00	O					73+50	0.0000	0.00	O				
68+45	0.0000	0.00	O					73+55	0.0000	0.00	O				
68+50	0.0000	0.00	O					74+ 0	0.0000	0.00	O				
68+55	0.0000	0.00	O					74+ 5	0.0000	0.00	O				
69+ 0	0.0000	0.00	O					74+10	0.0000	0.00	O				
69+ 5	0.0000	0.00	O					74+15	0.0000	0.00	O				
69+10	0.0000	0.00	O					74+20	0.0000	0.00	O				
69+15	0.0000	0.00	O					74+25	0.0000	0.00	O				
69+20	0.0000	0.00	O					74+30	0.0000	0.00	O				
69+25	0.0000	0.00	O					74+35	0.0000	0.00	O				
69+30	0.0000	0.00	O					74+40	0.0000	0.00	O				
69+35	0.0000	0.00	O					74+45	0.0000	0.00	O				
69+40	0.0000	0.00	O					74+50	0.0000	0.00	O				
69+45	0.0000	0.00	O					74+55	0.0000	0.00	O				
69+50	0.0000	0.00	O					75+ 0	0.0000	0.00	O				
69+55	0.0000	0.00	O					75+ 5	0.0000	0.00	O				
70+ 0	0.0000	0.00	O					75+10	0.0000	0.00	O				
70+ 5	0.0000	0.00	O					75+15	0.0000	0.00	O				
70+10	0.0000	0.00	O					75+20	0.0000	0.00	O				

75+25	0.0000	0.00	O					80+35	0.0000	0.00	O				
75+30	0.0000	0.00	O					80+40	0.0000	0.00	O				
75+35	0.0000	0.00	O					80+45	0.0000	0.00	O				
75+40	0.0000	0.00	O					80+50	0.0000	0.00	O				
75+45	0.0000	0.00	O					80+55	0.0000	0.00	O				
75+50	0.0000	0.00	O					81+ 0	0.0000	0.00	O				
75+55	0.0000	0.00	O					81+ 5	0.0000	0.00	O				
76+ 0	0.0000	0.00	O					81+10	0.0000	0.00	O				
76+ 5	0.0000	0.00	O					81+15	0.0000	0.00	O				
76+10	0.0000	0.00	O					81+20	0.0000	0.00	O				
76+15	0.0000	0.00	O					81+25	0.0000	0.00	O				
76+20	0.0000	0.00	O					81+30	0.0000	0.00	O				
76+25	0.0000	0.00	O					81+35	0.0000	0.00	O				
76+30	0.0000	0.00	O					81+40	0.0000	0.00	O				
76+35	0.0000	0.00	O					81+45	0.0000	0.00	O				
76+40	0.0000	0.00	O					81+50	0.0000	0.00	O				
76+45	0.0000	0.00	O					81+55	0.0000	0.00	O				
76+50	0.0000	0.00	O					82+ 0	0.0000	0.00	O				
76+55	0.0000	0.00	O					82+ 5	0.0000	0.00	O				
77+ 0	0.0000	0.00	O					82+10	0.0000	0.00	O				
77+ 5	0.0000	0.00	O					82+15	0.0000	0.00	O				
77+10	0.0000	0.00	O					82+20	0.0000	0.00	O				
77+15	0.0000	0.00	O					82+25	0.0000	0.00	O				
77+20	0.0000	0.00	O					82+30	0.0000	0.00	O				
77+25	0.0000	0.00	O					82+35	0.0000	0.00	O				
77+30	0.0000	0.00	O					82+40	0.0000	0.00	O				
77+35	0.0000	0.00	O					82+45	0.0000	0.00	O				
77+40	0.0000	0.00	O					82+50	0.0000	0.00	O				
77+45	0.0000	0.00	O					82+55	0.0000	0.00	O				
77+50	0.0000	0.00	O					83+ 0	0.0000	0.00	O				
77+55	0.0000	0.00	O					83+ 5	0.0000	0.00	O				
78+ 0	0.0000	0.00	O					83+10	0.0000	0.00	O				
78+ 5	0.0000	0.00	O					83+15	0.0000	0.00	O				
78+10	0.0000	0.00	O					83+20	0.0000	0.00	O				
78+15	0.0000	0.00	O					83+25	0.0000	0.00	O				
78+20	0.0000	0.00	O					83+30	0.0000	0.00	O				
78+25	0.0000	0.00	O					83+35	0.0000	0.00	O				
78+30	0.0000	0.00	O					83+40	0.0000	0.00	O				
78+35	0.0000	0.00	O					83+45	0.0000	0.00	O				
78+40	0.0000	0.00	O					83+50	0.0000	0.00	O				
78+45	0.0000	0.00	O					83+55	0.0000	0.00	O				
78+50	0.0000	0.00	O					84+ 0	0.0000	0.00	O				
78+55	0.0000	0.00	O					84+ 5	0.0000	0.00	O				
79+ 0	0.0000	0.00	O					84+10	0.0000	0.00	O				
79+ 5	0.0000	0.00	O					84+15	0.0000	0.00	O				
79+10	0.0000	0.00	O					84+20	0.0000	0.00	O				
79+15	0.0000	0.00	O					84+25	0.0000	0.00	O				
79+20	0.0000	0.00	O					84+30	0.0000	0.00	O				
79+25	0.0000	0.00	O					84+35	0.0000	0.00	O				
79+30	0.0000	0.00	O					84+40	0.0000	0.00	O				
79+35	0.0000	0.00	O					84+45	0.0000	0.00	O				
79+40	0.0000	0.00	O					84+50	0.0000	0.00	O				
79+45	0.0000	0.00	O					84+55	0.0000	0.00	O				
79+50	0.0000	0.00	O					85+ 0	0.0000	0.00	O				
79+55	0.0000	0.00	O					85+ 5	0.0000	0.00	O				
80+ 0	0.0000	0.00	O					85+10	0.0000	0.00	O				
80+ 5	0.0000	0.00	O					85+15	0.0000	0.00	O				
80+10	0.0000	0.00	O					85+20	0.0000	0.00	O				
80+15	0.0000	0.00	O					85+25	0.0000	0.00	O				
80+20	0.0000	0.00	O					85+30	0.0000	0.00	O				
80+25	0.0000	0.00	O					85+35	0.0000	0.00	O				
80+30	0.0000	0.00	O					85+40	0.0000	0.00	O				

85+45	0.0000	0.00	O					90+55	0.0000	0.00	O				
85+50	0.0000	0.00	O					91+ 0	0.0000	0.00	O				
85+55	0.0000	0.00	O					91+ 5	0.0000	0.00	O				
86+ 0	0.0000	0.00	O					91+10	0.0000	0.00	O				
86+ 5	0.0000	0.00	O					91+15	0.0000	0.00	O				
86+10	0.0000	0.00	O					91+20	0.0000	0.00	O				
86+15	0.0000	0.00	O					91+25	0.0000	0.00	O				
86+20	0.0000	0.00	O					91+30	0.0000	0.00	O				
86+25	0.0000	0.00	O					91+35	0.0000	0.00	O				
86+30	0.0000	0.00	O					91+40	0.0000	0.00	O				
86+35	0.0000	0.00	O					91+45	0.0000	0.00	O				
86+40	0.0000	0.00	O					91+50	0.0000	0.00	O				
86+45	0.0000	0.00	O					91+55	0.0000	0.00	O				
86+50	0.0000	0.00	O					92+ 0	0.0000	0.00	O				
86+55	0.0000	0.00	O					92+ 5	0.0000	0.00	O				
87+ 0	0.0000	0.00	O					92+10	0.0000	0.00	O				
87+ 5	0.0000	0.00	O					92+15	0.0000	0.00	O				
87+10	0.0000	0.00	O					92+20	0.0000	0.00	O				
87+15	0.0000	0.00	O					92+25	0.0000	0.00	O				
87+20	0.0000	0.00	O					92+30	0.0000	0.00	O				
87+25	0.0000	0.00	O					92+35	0.0000	0.00	O				
87+30	0.0000	0.00	O					92+40	0.0000	0.00	O				
87+35	0.0000	0.00	O					92+45	0.0000	0.00	O				
87+40	0.0000	0.00	O					92+50	0.0000	0.00	O				
87+45	0.0000	0.00	O					92+55	0.0000	0.00	O				
87+50	0.0000	0.00	O					93+ 0	0.0000	0.00	O				
87+55	0.0000	0.00	O					93+ 5	0.0000	0.00	O				
88+ 0	0.0000	0.00	O					93+10	0.0000	0.00	O				
88+ 5	0.0000	0.00	O					93+15	0.0000	0.00	O				
88+10	0.0000	0.00	O					93+20	0.0000	0.00	O				
88+15	0.0000	0.00	O					93+25	0.0000	0.00	O				
88+20	0.0000	0.00	O					93+30	0.0000	0.00	O				
88+25	0.0000	0.00	O					93+35	0.0000	0.00	O				
88+30	0.0000	0.00	O					93+40	0.0000	0.00	O				
88+35	0.0000	0.00	O					93+45	0.0000	0.00	O				
88+40	0.0000	0.00	O					93+50	0.0000	0.00	O				
88+45	0.0000	0.00	O					93+55	0.0000	0.00	O				
88+50	0.0000	0.00	O					94+ 0	0.0000	0.00	O				
88+55	0.0000	0.00	O					94+ 5	0.0000	0.00	O				
89+ 0	0.0000	0.00	O					94+10	0.0000	0.00	O				
89+ 5	0.0000	0.00	O					94+15	0.0000	0.00	O				
89+10	0.0000	0.00	O					94+20	0.0000	0.00	O				
89+15	0.0000	0.00	O					94+25	0.0000	0.00	O				
89+20	0.0000	0.00	O					94+30	0.0000	0.00	O				
89+25	0.0000	0.00	O					94+35	0.0000	0.00	O				
89+30	0.0000	0.00	O					94+40	0.0000	0.00	O				
89+35	0.0000	0.00	O					94+45	0.0000	0.00	O				
89+40	0.0000	0.00	O					94+50	0.0000	0.00	O				
89+45	0.0000	0.00	O					94+55	0.0000	0.00	O				
89+50	0.0000	0.00	O					95+ 0	0.0000	0.00	O				
89+55	0.0000	0.00	O					95+ 5	0.0000	0.00	O				
90+ 0	0.0000	0.00	O					95+10	0.0000	0.00	O				
90+ 5	0.0000	0.00	O					95+15	0.0000	0.00	O				
90+10	0.0000	0.00	O					95+20	0.0000	0.00	O				
90+15	0.0000	0.00	O					95+25	0.0000	0.00	O				
90+20	0.0000	0.00	O					95+30	0.0000	0.00	O				
90+25	0.0000	0.00	O					95+35	0.0000	0.00	O				
90+30	0.0000	0.00	O					95+40	0.0000	0.00	O				
90+35	0.0000	0.00	O					95+45	0.0000	0.00	O				
90+40	0.0000	0.00	O					95+50	0.0000	0.00	O				
90+45	0.0000	0.00	O					95+55	0.0000	0.00	O				
90+50	0.0000	0.00	O					96+ 0	0.0000	0.00	O				

96+ 5	0.0000	0.00	O					101+15	0.0000	0.00	O				
96+10	0.0000	0.00	O					101+20	0.0000	0.00	O				
96+15	0.0000	0.00	O					101+25	0.0000	0.00	O				
96+20	0.0000	0.00	O					101+30	0.0000	0.00	O				
96+25	0.0000	0.00	O					101+35	0.0000	0.00	O				
96+30	0.0000	0.00	O					101+40	0.0000	0.00	O				
96+35	0.0000	0.00	O					101+45	0.0000	0.00	O				
96+40	0.0000	0.00	O					101+50	0.0000	0.00	O				
96+45	0.0000	0.00	O					101+55	0.0000	0.00	O				
96+50	0.0000	0.00	O					102+ 0	0.0000	0.00	O				
96+55	0.0000	0.00	O					102+ 5	0.0000	0.00	O				
97+ 0	0.0000	0.00	O					102+10	0.0000	0.00	O				
97+ 5	0.0000	0.00	O					102+15	0.0000	0.00	O				
97+10	0.0000	0.00	O					102+20	0.0000	0.00	O				
97+15	0.0000	0.00	O					102+25	0.0000	0.00	O				
97+20	0.0000	0.00	O					102+30	0.0000	0.00	O				
97+25	0.0000	0.00	O					102+35	0.0000	0.00	O				
97+30	0.0000	0.00	O					102+40	0.0000	0.00	O				
97+35	0.0000	0.00	O					102+45	0.0000	0.00	O				
97+40	0.0000	0.00	O					102+50	0.0000	0.00	O				
97+45	0.0000	0.00	O					102+55	0.0000	0.00	O				
97+50	0.0000	0.00	O					103+ 0	0.0000	0.00	O				
97+55	0.0000	0.00	O					103+ 5	0.0000	0.00	O				
98+ 0	0.0000	0.00	O					103+10	0.0000	0.00	O				
98+ 5	0.0000	0.00	O					103+15	0.0000	0.00	O				
98+10	0.0000	0.00	O					103+20	0.0000	0.00	O				
98+15	0.0000	0.00	O					103+25	0.0000	0.00	O				
98+20	0.0000	0.00	O					103+30	0.0000	0.00	O				
98+25	0.0000	0.00	O					103+35	0.0000	0.00	O				
98+30	0.0000	0.00	O					103+40	0.0000	0.00	O				
98+35	0.0000	0.00	O					103+45	0.0000	0.00	O				
98+40	0.0000	0.00	O					103+50	0.0000	0.00	O				
98+45	0.0000	0.00	O					103+55	0.0000	0.00	O				
98+50	0.0000	0.00	O					104+ 0	0.0000	0.00	O				
98+55	0.0000	0.00	O					104+ 5	0.0000	0.00	O				
99+ 0	0.0000	0.00	O					104+10	0.0000	0.00	O				
99+ 5	0.0000	0.00	O					104+15	0.0000	0.00	O				
99+10	0.0000	0.00	O					104+20	0.0000	0.00	O				
99+15	0.0000	0.00	O					104+25	0.0000	0.00	O				
99+20	0.0000	0.00	O					104+30	0.0000	0.00	O				
99+25	0.0000	0.00	O					104+35	0.0000	0.00	O				
99+30	0.0000	0.00	O					104+40	0.0000	0.00	O				
99+35	0.0000	0.00	O					104+45	0.0000	0.00	O				
99+40	0.0000	0.00	O					104+50	0.0000	0.00	O				
99+45	0.0000	0.00	O					104+55	0.0000	0.00	O				
99+50	0.0000	0.00	O					105+ 0	0.0000	0.00	O				
99+55	0.0000	0.00	O					105+ 5	0.0000	0.00	O				
100+ 0	0.0000	0.00	O					105+10	0.0000	0.00	O				
100+ 5	0.0000	0.00	O					105+15	0.0000	0.00	O				
100+10	0.0000	0.00	O					105+20	0.0000	0.00	O				
100+15	0.0000	0.00	O					105+25	0.0000	0.00	O				
100+20	0.0000	0.00	O					105+30	0.0000	0.00	O				
100+25	0.0000	0.00	O					105+35	0.0000	0.00	O				
100+30	0.0000	0.00	O					105+40	0.0000	0.00	O				
100+35	0.0000	0.00	O					105+45	0.0000	0.00	O				
100+40	0.0000	0.00	O					105+50	0.0000	0.00	O				
100+45	0.0000	0.00	O					105+55	0.0000	0.00	O				
100+50	0.0000	0.00	O					106+ 0	0.0000	0.00	O				
100+55	0.0000	0.00	O					106+ 5	0.0000	0.00	O				
101+ 0	0.0000	0.00	O					106+10	0.0000	0.00	O				
101+ 5	0.0000	0.00	O					106+15	0.0000	0.00	O				
101+10	0.0000	0.00	O					106+20	0.0000	0.00	O				

106+25	0.0000	0.00	O					111+35	0.0000	0.00	O				
106+30	0.0000	0.00	O					111+40	0.0000	0.00	O				
106+35	0.0000	0.00	O					111+45	0.0000	0.00	O				
106+40	0.0000	0.00	O					111+50	0.0000	0.00	O				
106+45	0.0000	0.00	O					111+55	0.0000	0.00	O				
106+50	0.0000	0.00	O					112+ 0	0.0000	0.00	O				
106+55	0.0000	0.00	O					112+ 5	0.0000	0.00	O				
107+ 0	0.0000	0.00	O					112+10	0.0000	0.00	O				
107+ 5	0.0000	0.00	O					112+15	0.0000	0.00	O				
107+10	0.0000	0.00	O					112+20	0.0000	0.00	O				
107+15	0.0000	0.00	O					112+25	0.0000	0.00	O				
107+20	0.0000	0.00	O					112+30	0.0000	0.00	O				
107+25	0.0000	0.00	O					112+35	0.0000	0.00	O				
107+30	0.0000	0.00	O					112+40	0.0000	0.00	O				
107+35	0.0000	0.00	O					112+45	0.0000	0.00	O				
107+40	0.0000	0.00	O					112+50	0.0000	0.00	O				
107+45	0.0000	0.00	O					112+55	0.0000	0.00	O				
107+50	0.0000	0.00	O					113+ 0	0.0000	0.00	O				
107+55	0.0000	0.00	O					113+ 5	0.0000	0.00	O				
108+ 0	0.0000	0.00	O					113+10	0.0000	0.00	O				
108+ 5	0.0000	0.00	O					113+15	0.0000	0.00	O				
108+10	0.0000	0.00	O					113+20	0.0000	0.00	O				
108+15	0.0000	0.00	O					113+25	0.0000	0.00	O				
108+20	0.0000	0.00	O					113+30	0.0000	0.00	O				
108+25	0.0000	0.00	O					113+35	0.0000	0.00	O				
108+30	0.0000	0.00	O					113+40	0.0000	0.00	O				
108+35	0.0000	0.00	O					113+45	0.0000	0.00	O				
108+40	0.0000	0.00	O					113+50	0.0000	0.00	O				
108+45	0.0000	0.00	O					113+55	0.0000	0.00	O				
108+50	0.0000	0.00	O					114+ 0	0.0000	0.00	O				
108+55	0.0000	0.00	O					114+ 5	0.0000	0.00	O				
109+ 0	0.0000	0.00	O					114+10	0.0000	0.00	O				
109+ 5	0.0000	0.00	O					114+15	0.0000	0.00	O				
109+10	0.0000	0.00	O					114+20	0.0000	0.00	O				
109+15	0.0000	0.00	O					114+25	0.0000	0.00	O				
109+20	0.0000	0.00	O					114+30	0.0000	0.00	O				
109+25	0.0000	0.00	O					114+35	0.0000	0.00	O				
109+30	0.0000	0.00	O					114+40	0.0000	0.00	O				
109+35	0.0000	0.00	O					114+45	0.0000	0.00	O				
109+40	0.0000	0.00	O					114+50	0.0000	0.00	O				
109+45	0.0000	0.00	O					114+55	0.0000	0.00	O				
109+50	0.0000	0.00	O					115+ 0	0.0000	0.00	O				
109+55	0.0000	0.00	O					115+ 5	0.0000	0.00	O				
110+ 0	0.0000	0.00	O					115+10	0.0000	0.00	O				
110+ 5	0.0000	0.00	O					115+15	0.0000	0.00	O				
110+10	0.0000	0.00	O					115+20	0.0000	0.00	O				
110+15	0.0000	0.00	O					115+25	0.0000	0.00	O				
110+20	0.0000	0.00	O					115+30	0.0000	0.00	O				
110+25	0.0000	0.00	O					115+35	0.0000	0.00	O				
110+30	0.0000	0.00	O					115+40	0.0000	0.00	O				
110+35	0.0000	0.00	O					115+45	0.0000	0.00	O				
110+40	0.0000	0.00	O					115+50	0.0000	0.00	O				
110+45	0.0000	0.00	O					115+55	0.0000	0.00	O				
110+50	0.0000	0.00	O					116+ 0	0.0000	0.00	O				
110+55	0.0000	0.00	O					116+ 5	0.0000	0.00	O				
111+ 0	0.0000	0.00	O					116+10	0.0000	0.00	O				
111+ 5	0.0000	0.00	O					116+15	0.0000	0.00	O				
111+10	0.0000	0.00	O					116+20	0.0000	0.00	O				
111+15	0.0000	0.00	O					116+25	0.0000	0.00	O				
111+20	0.0000	0.00	O					116+30	0.0000	0.00	O				
111+25	0.0000	0.00	O					116+35	0.0000	0.00	O				
111+30	0.0000	0.00	O					116+40	0.0000	0.00	O				

116+45	0.0000	0.00	O					121+55	0.0000	0.00	O				
116+50	0.0000	0.00	O					122+ 0	0.0000	0.00	O				
116+55	0.0000	0.00	O					122+ 5	0.0000	0.00	O				
117+ 0	0.0000	0.00	O					122+10	0.0000	0.00	O				
117+ 5	0.0000	0.00	O					122+15	0.0000	0.00	O				
117+10	0.0000	0.00	O					122+20	0.0000	0.00	O				
117+15	0.0000	0.00	O					122+25	0.0000	0.00	O				
117+20	0.0000	0.00	O					122+30	0.0000	0.00	O				
117+25	0.0000	0.00	O					122+35	0.0000	0.00	O				
117+30	0.0000	0.00	O					122+40	0.0000	0.00	O				
117+35	0.0000	0.00	O					122+45	0.0000	0.00	O				
117+40	0.0000	0.00	O					122+50	0.0000	0.00	O				
117+45	0.0000	0.00	O					122+55	0.0000	0.00	O				
117+50	0.0000	0.00	O					123+ 0	0.0000	0.00	O				
117+55	0.0000	0.00	O					123+ 5	0.0000	0.00	O				
118+ 0	0.0000	0.00	O					123+10	0.0000	0.00	O				
118+ 5	0.0000	0.00	O					123+15	0.0000	0.00	O				
118+10	0.0000	0.00	O					123+20	0.0000	0.00	O				
118+15	0.0000	0.00	O					123+25	0.0000	0.00	O				
118+20	0.0000	0.00	O					123+30	0.0000	0.00	O				
118+25	0.0000	0.00	O					123+35	0.0000	0.00	O				
118+30	0.0000	0.00	O					123+40	0.0000	0.00	O				
118+35	0.0000	0.00	O					123+45	0.0000	0.00	O				
118+40	0.0000	0.00	O					123+50	0.0000	0.00	O				
118+45	0.0000	0.00	O					123+55	0.0000	0.00	O				
118+50	0.0000	0.00	O					124+ 0	0.0000	0.00	O				
118+55	0.0000	0.00	O					124+ 5	0.0000	0.00	O				
119+ 0	0.0000	0.00	O					124+10	0.0000	0.00	O				
119+ 5	0.0000	0.00	O					124+15	0.0000	0.00	O				
119+10	0.0000	0.00	O					124+20	0.0000	0.00	O				
119+15	0.0000	0.00	O					124+25	0.0000	0.00	O				
119+20	0.0000	0.00	O					124+30	0.0000	0.00	O				
119+25	0.0000	0.00	O					124+35	0.0000	0.00	O				
119+30	0.0000	0.00	O					124+40	0.0000	0.00	O				
119+35	0.0000	0.00	O					124+45	0.0000	0.00	O				
119+40	0.0000	0.00	O					124+50	0.0000	0.00	O				
119+45	0.0000	0.00	O					124+55	0.0000	0.00	O				
119+50	0.0000	0.00	O					125+ 0	0.0000	0.00	O				
119+55	0.0000	0.00	O					125+ 5	0.0000	0.00	O				
120+ 0	0.0000	0.00	O					125+10	0.0000	0.00	O				
120+ 5	0.0000	0.00	O					125+15	0.0000	0.00	O				
120+10	0.0000	0.00	O					125+20	0.0000	0.00	O				
120+15	0.0000	0.00	O					125+25	0.0000	0.00	O				
120+20	0.0000	0.00	O					125+30	0.0000	0.00	O				
120+25	0.0000	0.00	O					125+35	0.0000	0.00	O				
120+30	0.0000	0.00	O					125+40	0.0000	0.00	O				
120+35	0.0000	0.00	O					125+45	0.0000	0.00	O				
120+40	0.0000	0.00	O					125+50	0.0000	0.00	O				
120+45	0.0000	0.00	O					125+55	0.0000	0.00	O				
120+50	0.0000	0.00	O					126+ 0	0.0000	0.00	O				
120+55	0.0000	0.00	O					126+ 5	0.0000	0.00	O				
121+ 0	0.0000	0.00	O					126+10	0.0000	0.00	O				
121+ 5	0.0000	0.00	O					126+15	0.0000	0.00	O				
121+10	0.0000	0.00	O					126+20	0.0000	0.00	O				
121+15	0.0000	0.00	O					126+25	0.0000	0.00	O				
121+20	0.0000	0.00	O					126+30	0.0000	0.00	O				
121+25	0.0000	0.00	O					126+35	0.0000	0.00	O				
121+30	0.0000	0.00	O					126+40	0.0000	0.00	O				
121+35	0.0000	0.00	O					126+45	0.0000	0.00	O				
121+40	0.0000	0.00	O					126+50	0.0000	0.00	O				
121+45	0.0000	0.00	O					126+55	0.0000	0.00	O				
121+50	0.0000	0.00	O					127+ 0	0.0000	0.00	O				

127+ 5	0.0000	0.00	O					132+15	0.0000	0.00	O				
127+10	0.0000	0.00	O					132+20	0.0000	0.00	O				
127+15	0.0000	0.00	O					132+25	0.0000	0.00	O				
127+20	0.0000	0.00	O					132+30	0.0000	0.00	O				
127+25	0.0000	0.00	O					132+35	0.0000	0.00	O				
127+30	0.0000	0.00	O					132+40	0.0000	0.00	O				
127+35	0.0000	0.00	O					132+45	0.0000	0.00	O				
127+40	0.0000	0.00	O					132+50	0.0000	0.00	O				
127+45	0.0000	0.00	O					132+55	0.0000	0.00	O				
127+50	0.0000	0.00	O					133+ 0	0.0000	0.00	O				
127+55	0.0000	0.00	O					133+ 5	0.0000	0.00	O				
128+ 0	0.0000	0.00	O					133+10	0.0000	0.00	O				
128+ 5	0.0000	0.00	O					133+15	0.0000	0.00	O				
128+10	0.0000	0.00	O					133+20	0.0000	0.00	O				
128+15	0.0000	0.00	O					133+25	0.0000	0.00	O				
128+20	0.0000	0.00	O					133+30	0.0000	0.00	O				
128+25	0.0000	0.00	O					133+35	0.0000	0.00	O				
128+30	0.0000	0.00	O					133+40	0.0000	0.00	O				
128+35	0.0000	0.00	O					133+45	0.0000	0.00	O				
128+40	0.0000	0.00	O					133+50	0.0000	0.00	O				
128+45	0.0000	0.00	O					133+55	0.0000	0.00	O				
128+50	0.0000	0.00	O					134+ 0	0.0000	0.00	O				
128+55	0.0000	0.00	O					134+ 5	0.0000	0.00	O				
129+ 0	0.0000	0.00	O					134+10	0.0000	0.00	O				
129+ 5	0.0000	0.00	O					134+15	0.0000	0.00	O				
129+10	0.0000	0.00	O					134+20	0.0000	0.00	O				
129+15	0.0000	0.00	O					134+25	0.0000	0.00	O				
129+20	0.0000	0.00	O					134+30	0.0000	0.00	O				
129+25	0.0000	0.00	O					134+35	0.0000	0.00	O				
129+30	0.0000	0.00	O					134+40	0.0000	0.00	O				
129+35	0.0000	0.00	O					134+45	0.0000	0.00	O				
129+40	0.0000	0.00	O					134+50	0.0000	0.00	O				
129+45	0.0000	0.00	O					134+55	0.0000	0.00	O				
129+50	0.0000	0.00	O					135+ 0	0.0000	0.00	O				
129+55	0.0000	0.00	O					135+ 5	0.0000	0.00	O				
130+ 0	0.0000	0.00	O					135+10	0.0000	0.00	O				
130+ 5	0.0000	0.00	O					135+15	0.0000	0.00	O				
130+10	0.0000	0.00	O					135+20	0.0000	0.00	O				
130+15	0.0000	0.00	O					135+25	0.0000	0.00	O				
130+20	0.0000	0.00	O					135+30	0.0000	0.00	O				
130+25	0.0000	0.00	O					135+35	0.0000	0.00	O				
130+30	0.0000	0.00	O					135+40	0.0000	0.00	O				
130+35	0.0000	0.00	O					135+45	0.0000	0.00	O				
130+40	0.0000	0.00	O					135+50	0.0000	0.00	O				
130+45	0.0000	0.00	O					135+55	0.0000	0.00	O				
130+50	0.0000	0.00	O					136+ 0	0.0000	0.00	O				
130+55	0.0000	0.00	O					136+ 5	0.0000	0.00	O				
131+ 0	0.0000	0.00	O					136+10	0.0000	0.00	O				
131+ 5	0.0000	0.00	O					136+15	0.0000	0.00	O				
131+10	0.0000	0.00	O					136+20	0.0000	0.00	O				
131+15	0.0000	0.00	O					136+25	0.0000	0.00	O				
131+20	0.0000	0.00	O					136+30	0.0000	0.00	O				
131+25	0.0000	0.00	O					136+35	0.0000	0.00	O				
131+30	0.0000	0.00	O					136+40	0.0000	0.00	O				
131+35	0.0000	0.00	O					136+45	0.0000	0.00	O				
131+40	0.0000	0.00	O					136+50	0.0000	0.00	O				
131+45	0.0000	0.00	O					136+55	0.0000	0.00	O				
131+50	0.0000	0.00	O					137+ 0	0.0000	0.00	O				
131+55	0.0000	0.00	O					137+ 5	0.0000	0.00	O				
132+ 0	0.0000	0.00	O					137+10	0.0000	0.00	O				
132+ 5	0.0000	0.00	O					137+15	0.0000	0.00	O				
132+10	0.0000	0.00	O					137+20	0.0000	0.00	O				

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 137+25       0.0000      0.00  O        |         |         |         |
 137+30       0.0000      0.00  O        |         |         |         |
 137+35       0.0000      0.00  O        |         |         |         |
 137+40       0.0000      0.00  O        |         |         |         |
 137+45       0.0000      0.00  O        |         |         |         |
 137+50       0.0000      0.00  O        |         |         |         |
 137+55       0.0000      0.00  O        |         |         |         |
 138+ 0       0.0000      0.00  O        |         |         |         |
 138+ 5       0.0000      0.00  O        |         |         |         |
 138+10       0.0000      0.00  O        |         |         |         |
 138+15       0.0000      0.00  O        |         |         |         |
 138+20       0.0000      0.00  O        |         |         |         |
 138+25       0.0000      0.00  O        |         |         |         |
 138+30       0.0000      0.00  O        |         |         |         |
 138+35       0.0000      0.00  O        |         |         |         |
 138+40       0.0000      0.00  O        |         |         |         |
 138+45       0.0000      0.00  O        |         |         |         |
 138+50       0.0000      0.00  O        |         |         |         |
 138+55       0.0000      0.00  O        |         |         |         |
 139+ 0       0.0000      0.00  O        |         |         |         |
 139+ 5       0.0000      0.00  O        |         |         |         |
 139+10       0.0000      0.00  O        |         |         |         |
 139+15       0.0000      0.00  O        |         |         |         |
 139+20       0.0000      0.00  O        |         |         |         |
 139+25       0.0000      0.00  O        |         |         |         |
 139+30       0.0000      0.00  O        |         |         |         |
 139+35       0.0000      0.00  O        |         |         |         |
 139+40       0.0000      0.00  O        |         |         |         |
 139+45       0.0000      0.00  O        |         |         |         |
 139+50       0.0000      0.00  O        |         |         |         |
 139+55       0.0000      0.00  O        |         |         |         |
-------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA****************************
                        Number of intervals =  5000
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      135.257 (CFS)
                        Total volume =      58.111 (Ac.Ft)
                  Status of hydrographs being held in storage
                             Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                  Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                  Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.200 to Point/Station        4.500
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP4F10024100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0       39.7      79.4     119.1     158.8
 -------------------------------------------------------------------------
 0+ 5       0.0220      0.02  Q        |         |         |         |
 0+10       0.1396      0.15  Q        |         |         |         |
 0+15       0.3014      0.33  Q        |         |         |         |
 0+20       0.3717      0.43  Q        |         |         |         |
 0+25       0.4648      0.55  Q        |         |         |         |
 0+30       0.5674      0.68  Q        |         |         |         |
 0+35       0.6103      0.76  Q        |         |         |         |
 0+40       0.6342      0.81  Q        |         |         |         |
 0+45       0.6479      0.86  Q        |         |         |         |
 0+50       0.6676      0.91  Q        |         |         |         |
 0+55       0.7315      1.01  Q        |         |         |         |
 1+ 0       0.8152      1.14  Q        |         |         |         |
 1+ 5       0.8355      1.20  Q        |         |         |         |
 1+10       0.7947      1.19  Q        |         |         |         |
 1+15       0.7254      1.14  Q        |         |         |         |
 1+20       0.7027      1.14  Q        |         |         |         |
 1+25       0.6889      1.14  Q        |         |         |         |
 1+30       0.6795      1.15  Q        |         |         |         |
 1+35       0.6739      1.16  Q        |         |         |         |
 1+40       0.6714      1.18  Q        |         |         |         |
 1+45       0.6706      1.20  Q        |         |         |         |
 1+50       0.6810      1.22  Q        |         |         |         |
 1+55       0.7389      1.30  Q        |         |         |         |
 2+ 0       0.8192      1.40  Q        |         |         |         |
 2+ 5       0.8484      1.45  Q        |         |         |         |
 2+10       0.8656      1.48  Q        |         |         |         |
 2+15       0.8764      1.51  Q        |         |         |         |
 2+20       0.8830      1.53  Q        |         |         |         |
 2+25       0.8864      1.55  Q        |         |         |         |
 2+30       0.8879      1.56  Q        |         |         |         |
 2+35       0.8999      1.59  Q        |         |         |         |
 2+40       0.9596      1.67  Q        |         |         |         |
 2+45       1.0411      1.77  Q        |         |         |         |
 2+50       1.0711      1.82  Q        |         |         |         |
 2+55       1.0883      1.86  Q        |         |         |         |
 3+ 0       1.0991      1.89  Q        |         |         |         |
 3+ 5       1.1057      1.91  Q        |         |         |         |
 3+10       1.1091      1.93  Q        |         |         |         |
 3+15       1.1106      1.95  Q        |         |         |         |
 3+20       1.1116      1.96  Q        |         |         |         |
 3+25       1.1125      1.97  Q        |         |         |         |
 3+30       1.1131      1.99  Q        |         |         |         |
 3+35       1.1135      2.00  Q        |         |         |         |
 3+40       1.1135      2.01  Q        |         |         |         |
 3+45       1.1135      2.02  Q        |         |         |         |
 3+50       1.1245      2.05  Q        |         |         |         |
 3+55       1.1833      2.12  Q        |         |         |         |
 4+ 0       1.2642      2.22  Q        |         |         |         |
 4+ 5       1.2938      2.26  Q        |         |         |         |
 4+10       1.3110      2.30  Q        |         |         |         |
 4+15       1.3218      2.32  Q        |         |         |         |
 4+20       1.3395      2.35  Q        |         |         |         |
 4+25       1.4016      2.43  Q        |         |         |         |
 4+30       1.4840      2.53  Q        |         |         |         |
 4+35       1.5146      2.58  Q        |         |         |         |
 4+40       1.5326      2.61  Q        |         |         |         |
 4+45       1.5442      2.63  Q        |         |         |         |
 4+50       1.5621      2.67  Q        |         |         |         |
 4+55       1.6243      2.75  Q        |         |         |         |
 5+ 0       1.7067      2.85  Q        |         |         |         |
 5+ 5       1.7153      2.87  Q        |         |         |         |
 5+10       1.6157      2.78  Q        |         |         |         |
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5+15	1.4654	2.63	Q					
5+20	1.4241	2.60	Q					
5+25	1.4520	2.63	Q					
5+30	1.5127	2.70	Q					
5+35	1.5411	2.75	Q					
5+40	1.6112	2.83	Q					
5+45	1.7007	2.94	Q					
5+50	1.7353	2.99	Q					
5+55	1.7541	3.02	Q					
6+ 0	1.7650	3.04	Q					
6+ 5	1.7829	3.07	Q					
6+10	1.8460	3.15	Q					
6+15	1.9290	3.25	Q					
6+20	1.9600	3.29	Q					
6+25	1.9780	3.32	Q					
6+30	1.9896	3.34	Q					
6+35	2.0075	3.37	Q					
6+40	2.0697	3.45	Q					
6+45	2.1521	3.55	Q					
6+50	2.1827	3.59	Q					
6+55	2.2007	3.63	Q					
7+ 0	2.2123	3.65	Q					
7+ 5	2.2192	3.67	Q					
7+10	2.2226	3.69	Q					
7+15	2.2240	3.70	Q					
7+20	2.2361	3.73	Q					
7+25	2.2957	3.80	Q					
7+30	2.3773	3.91	Q					
7+35	2.4183	3.97	qQ					
7+40	2.4943	4.07	qQ					
7+45	2.5860	4.18	qQ					
7+50	2.6333	4.25	qQ					
7+55	2.7126	4.35	qQ					
8+ 0	2.8058	4.47	qQ					
8+ 5	2.8651	4.57	qQ					
8+10	3.0041	4.79	qQ					
8+15	3.1789	5.09	qQ					
8+20	3.2461	5.27	qQ					
8+25	3.2847	5.38	qQ					
8+30	3.3085	5.46	qQ					
8+35	3.3484	5.55	qQ					
8+40	3.4948	5.76	qQ					
8+45	3.7054	6.04	qQ					
8+50	3.8754	6.29	qQ					
8+55	4.2637	6.76	|Q					
9+ 0	4.7524	7.34	|Q					
9+ 5	5.0875	7.76	|Q					
9+10	5.8317	8.62	|qQ					
9+15	6.7618	9.69	|qQ					
9+20	7.2122	10.27	|qQ					
9+25	7.7604	10.93	|qQ					
9+30	8.3461	11.62	| Q					
9+35	8.6851	12.05	| qQ					
9+40	9.1668	12.63	| qQ					
9+45	9.7069	13.26	| qQ					
9+50	10.0184	13.66	| qQ					
9+55	10.4869	14.22	| qQ					
10+ 0	11.0225	14.84	| qQ					
10+ 5	10.8896	14.73	| qQ					
10+10	9.0009	12.72	| qQ					
10+15	6.2966	10.41	|qQ					
10+20	5.3614	10.64	|qQ					
10+25	4.8445	11.67	|qQ					
10+30	4.5366	13.04	|q Q					
10+35	4.6492	14.93	|q Q					
10+40	6.0665	18.33	|q Q					
10+45	8.1030	22.59	| q Q					
10+50	8.8711	25.85	| q Q					
10+55	9.3301	29.17	| q Q					
11+ 0	9.6388	32.58	| q Q					
11+ 5	9.7964	35.87	| q Q|					
11+10	9.6471	38.74	| q Q|					
11+15	9.3385	41.28	| q Q					
11+20	9.2752	43.89	| q |Q					
11+25	9.2706	46.42	| q |Q					
11+30	9.2922	48.81	| q | Q					
11+35	9.2170	50.94	| q | Q					
11+40	8.6708	52.38	| q | Q					
11+45	7.9132	53.35	|q | Q					
11+50	7.7252	54.94	|q | Q					
11+55	7.9016	57.26	|q | Q					
12+ 0	8.2521	60.02	| q | Q					
12+ 5	8.7756	63.13	| q | Q					
12+10	10.9432	68.43	| q | Q					
12+15	13.8719	75.29	| q | Q					
12+20	15.0440	80.83	| q | Q					
12+25	16.0033	86.21	| q |Q					
12+30	16.8451	91.34	| q | Q					
12+35	17.3923	95.96	| q | Q					
12+40	18.2451	100.72	| q | Q					
12+45	19.2182	105.53	| q | Q					
12+50	19.6955	109.68	| q | Q					
12+55	20.2638	113.75	| q | Q					
13+ 0	20.8628	117.69	| q | Q					
13+ 5	21.4250	121.49	| q | Q					
13+10	23.0739	126.60	| q | Q					
13+15	25.2231	133.61	| q | Q					
13+20	26.0632	140.61	| q | Q					
13+25	26.5716	147.46	| q | Q					
13+30	26.9110	153.87	| q | Q					
13+35	26.5326	158.77	| q | Q					
13+40	23.4407	158.68	| q | Q					
13+45	19.0838	154.34	| q | Q					
13+50	17.5340	150.81	| q | Q					
13+55	16.6655	147.07	| q | Q					
14+ 0	16.1372	143.42	| q | Q					
14+ 5	16.0557	140.42	| q | Q					
14+10	17.0977	139.30	| q | Q					
14+15	18.6882	139.81	| q | Q					
14+20	19.2218	140.11	| q | Q					
14+25	19.2743	140.29	| q | Q					
14+30	19.1015	140.29	| q | Q					
14+35	19.1165	140.41	| q | Q					
14+40	19.1491	140.51	| q | Q					
14+45	19.1740	140.57	| q | Q					
14+50	19.1563	140.55	| q | Q					
14+55	18.9126	140.17	| q | Q					
15+ 0	18.5639	139.51	| q | Q					
15+ 5	18.4122	138.88	| q | Q					
15+10	18.0772	137.90	| q | Q					
15+15	17.6640	136.68	| q | Q					
15+20	17.4747	135.56	| q | Q					
15+25	17.1264	134.18	| q | Q					
15+30	16.7085	132.62	| q | Q					

15+35	16.3500	130.96	|	q	|	|	|	Q	|	20+45	0.6655	14.34	q	Q	|	|	|	|
15+40	15.1145	128.00	|	q	|	|	|	Q	|	20+50	0.6552	14.11	q	Q	|	|	|	|
15+45	13.4790	124.01	|	q	|	|	|	Q	|	20+55	0.5972	13.82	q	Q	|	|	|	|
15+50	12.8937	120.65	|	q	|	|	Q	|	|	21+ 0	0.5170	13.47	q	Q	|	|	|	|
15+55	12.5764	117.53	|	q	|	|	Q	|	|	21+ 5	0.4987	13.16	q	Q	|	|	|	|
16+ 0	12.3952	114.72	|	q	|	|	Q	|	|	21+10	0.5404	12.92	q	Q	|	|	|	|
16+ 5	11.7410	111.34	|	q	|	|	Q	|	|	21+15	0.6104	12.77	q	Q	|	|	|	|
16+10	8.7133	104.17	|	q	|	|	Q	|	|	21+20	0.6225	12.59	q	Q	|	|	|	|
16+15	4.5862	93.72	|	q	|	|	Q	|	|	21+25	0.5774	12.37	q	Q	|	|	|	|
16+20	3.0677	85.06	q	|	|	|	Q	|	|	21+30	0.5059	12.10	q	Q	|	|	|	|
16+25	2.1845	77.41	q	|	|	Q	|	|	|	21+35	0.4929	11.86	q	Q	|	|	|	|
16+30	1.6223	70.91	q	|	|	Q	|	|	|	21+40	0.5371	11.70	q	Q	|	|	|	|
16+35	1.2704	65.97	q	|	|	Q	|	|	|	21+45	0.6079	11.61	q	Q	|	|	|	|
16+40	1.0405	62.29	q	|	|	Q	|	|	|	21+50	0.6206	11.51	q	Q	|	|	|	|
16+45	0.8869	59.28	q	|	|	Q	|	|	|	21+55	0.5764	11.35	q	Q	|	|	|	|
16+50	0.8063	56.68	q	|	|	Q	|	|	|	22+ 0	0.5056	11.13	q	Q	|	|	|	|
16+55	0.7453	54.31	q	|	|	Q	|	|	|	22+ 5	0.4929	10.96	q	Q	|	|	|	|
17+ 0	0.7007	52.12	q	|	|	Q	|	|	|	22+10	0.5371	10.85	q	Q	|	|	|	|
17+ 5	0.6978	50.11	q	|	|	Q	|	|	|	22+15	0.6079	10.81	q	Q	|	|	|	|
17+10	0.8121	48.36	q	|	|	Q	|	|	|	22+20	0.6206	10.75	q	Q	|	|	|	|
17+15	0.9724	46.85	q	|	|	Q	|	|	|	22+25	0.5764	10.64	q	Q	|	|	|	|
17+20	1.0307	45.40	q	|	|	Q	|	|	|	22+30	0.5056	10.47	q	Q	|	|	|	|
17+25	1.0641	44.06	q	|	|	Q	|	|	|	22+35	0.4819	10.31	q	Q	|	|	|	|
17+30	1.0852	42.81	q	|	|	Q	|	|	|	22+40	0.4673	10.15	q	Q	|	|	|	|
17+35	1.0980	41.64	q	|	|	Q	|	|	|	22+45	0.4572	9.98	q	Q	|	|	|	|
17+40	1.1048	40.53	q	|	|	Q	|	|	|	22+50	0.4512	9.82	q	Q	|	|	|	|
17+45	1.1077	39.49	q	|	|	Q	|	|	|	22+55	0.4487	9.67	q	Q	|	|	|	|
17+50	1.0987	38.48	q	|	|	Q	|	|	|	23+ 0	0.4479	9.52	q	Q	|	|	|	|
17+55	1.0416	37.44	q	|	|	Q	|	|	|	23+ 5	0.4473	9.38	q	Q	|	|	|	|
18+ 0	0.9620	36.36	q	|	|	Q	|	|	|	23+10	0.4464	9.25	q	Q	|	|	|	|
18+ 5	0.9331	35.26	q	|	|	Q	|	|	|	23+15	0.4457	9.13	q	Q	|	|	|	|
18+10	0.9160	34.15	q	|	|	Q	|	|	|	23+20	0.4454	9.01	q	Q	|	|	|	|
18+15	0.9051	33.06	q	|	|	Q	|	|	|	23+25	0.4454	8.90	q	Q	|	|	|	|
18+20	0.8985	32.01	q	|	|	Q	|	|	|	23+30	0.4454	8.80	q	Q	|	|	|	|
18+25	0.8951	31.01	q	|	|	Q	|	|	|	23+35	0.4454	8.70	q	Q	|	|	|	|
18+30	0.8937	30.06	q	|	|	Q	|	|	|	23+40	0.4454	8.61	q	Q	|	|	|	|
18+35	0.8817	29.15	q	|	|	Q	|	|	|	23+45	0.4454	8.53	q	Q	|	|	|	|
18+40	0.8220	28.22	q	|	|	Q	|	|	|	23+50	0.4454	8.45	q	Q	|	|	|	|
18+45	0.7404	27.26	q	|	|	Q	|	|	|	23+55	0.4454	8.37	q	Q	|	|	|	|
18+50	0.6994	26.33	q	|	|	Q	|	|	|	24+ 0	0.4454	8.30	q	Q	|	|	|	|
18+55	0.6235	25.35	q	|	|	Q	|	|	|	24+ 5	0.4234	6.09	q	Q	|	|	|	|
19+ 0	0.5317	24.33	q	|	|	Q	|	|	|	24+10	0.3058	3.20	Q	|	|	|	|	|
19+ 5	0.5065	23.38	q	|	|	Q	|	|	|	24+15	0.1439	1.62	Q	|	|	|	|	|
19+10	0.5448	22.54	q	|	|	Q	|	|	|	24+20	0.0847	0.83	Q	|	|	|	|	|
19+15	0.6133	21.81	q	|	|	Q	|	|	|	24+25	0.0504	0.43	Q	|	|	|	|	|
19+20	0.6464	21.14	q	|	|	Q	|	|	|	24+30	0.0287	0.22	Q	|	|	|	|	|
19+25	0.7181	20.60	q	|	|	Q	|	|	|	24+35	0.0155	0.11	Q	|	|	|	|	|
19+30	0.8077	20.18	q	|	|	Q	|	|	|	24+40	0.0087	0.06	Q	|	|	|	|	|
19+35	0.8316	19.78	q	|	|	Q	|	|	|	24+45	0.0058	0.03	Q	|	|	|	|	|
19+40	0.7924	19.36	q	|	|	Q	|	|	|	24+50	0.0038	0.02	Q	|	|	|	|	|
19+45	0.7232	18.89	q	|	|	Q	|	|	|	24+55	0.0021	0.01	Q	|	|	|	|	|
19+50	0.6898	18.44	q	|	|	Q	|	|	|	25+ 0	0.0007	0.00	Q	|	|	|	|	|
19+55	0.6181	17.92	q	|	|	Q	|	|	|	25+ 5	0.0000	0.00	Q	|	|	|	|	|
20+ 0	0.5284	17.35	q	|	|	Q	|	|	|	25+10	0.0000	0.00	Q	|	|	|	|	|
20+ 5	0.5046	16.81	q	|	|	Q	|	|	|	25+15	0.0000	0.00	Q	|	|	|	|	|
20+10	0.5437	16.36	q	|	|	Q	|	|	|	25+20	0.0000	0.00	Q	|	|	|	|	|
20+15	0.6130	16.00	q	|	|	Q	|	|	|	25+25	0.0000	0.00	Q	|	|	|	|	|
20+20	0.6354	15.66	q	|	Q	|	|	|	|	25+30	0.0000	0.00	Q	|	|	|	|	|
20+25	0.6483	15.35	q	|	Q	|	|	|	|	25+35	0.0000	0.00	Q	|	|	|	|	|
20+30	0.6570	15.06	q	|	Q	|	|	|	|	25+40	0.0000	0.00	Q	|	|	|	|	|
20+35	0.6622	14.81	q	|	Q	|	|	|	|	25+45	0.0000	0.00	Q	|	|	|	|	|
20+40	0.6648	14.56	q	|	Q	|	|	|	|	25+50	0.0000	0.00	Q	|	|	|	|	|

25+55	0.0000	0.00	Q					31+ 5	0.0000	0.00	Q				
26+ 0	0.0000	0.00	Q					31+10	0.0000	0.00	Q				
26+ 5	0.0000	0.00	Q					31+15	0.0000	0.00	Q				
26+10	0.0000	0.00	Q					31+20	0.0000	0.00	Q				
26+15	0.0000	0.00	Q					31+25	0.0000	0.00	Q				
26+20	0.0000	0.00	Q					31+30	0.0000	0.00	Q				
26+25	0.0000	0.00	Q					31+35	0.0000	0.00	Q				
26+30	0.0000	0.00	Q					31+40	0.0000	0.00	Q				
26+35	0.0000	0.00	Q					31+45	0.0000	0.00	Q				
26+40	0.0000	0.00	Q					31+50	0.0000	0.00	Q				
26+45	0.0000	0.00	Q					31+55	0.0000	0.00	Q				
26+50	0.0000	0.00	Q					32+ 0	0.0000	0.00	Q				
26+55	0.0000	0.00	Q					32+ 5	0.0000	0.00	Q				
27+ 0	0.0000	0.00	Q					32+10	0.0000	0.00	Q				
27+ 5	0.0000	0.00	Q					32+15	0.0000	0.00	Q				
27+10	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+50	0.0000	0.00	Q				
27+45	0.0000	0.00	Q					32+55	0.0000	0.00	Q				
27+50	0.0000	0.00	Q					33+ 0	0.0000	0.00	Q				
27+55	0.0000	0.00	Q					33+ 5	0.0000	0.00	Q				
28+ 0	0.0000	0.00	Q					33+10	0.0000	0.00	Q				
28+ 5	0.0000	0.00	Q					33+15	0.0000	0.00	Q				
28+10	0.0000	0.00	Q					33+20	0.0000	0.00	Q				
28+15	0.0000	0.00	Q					33+25	0.0000	0.00	Q				
28+20	0.0000	0.00	Q					33+30	0.0000	0.00	Q				
28+25	0.0000	0.00	Q					33+35	0.0000	0.00	Q				
28+30	0.0000	0.00	Q					33+40	0.0000	0.00	Q				
28+35	0.0000	0.00	Q					33+45	0.0000	0.00	Q				
28+40	0.0000	0.00	Q					33+50	0.0000	0.00	Q				
28+45	0.0000	0.00	Q					33+55	0.0000	0.00	Q				
28+50	0.0000	0.00	Q					34+ 0	0.0000	0.00	Q				
28+55	0.0000	0.00	Q					34+ 5	0.0000	0.00	Q				
29+ 0	0.0000	0.00	Q					34+10	0.0000	0.00	Q				
29+ 5	0.0000	0.00	Q					34+15	0.0000	0.00	Q				
29+10	0.0000	0.00	Q					34+20	0.0000	0.00	Q				
29+15	0.0000	0.00	Q					34+25	0.0000	0.00	Q				
29+20	0.0000	0.00	Q					34+30	0.0000	0.00	Q				
29+25	0.0000	0.00	Q					34+35	0.0000	0.00	Q				
29+30	0.0000	0.00	Q					34+40	0.0000	0.00	Q				
29+35	0.0000	0.00	Q					34+45	0.0000	0.00	Q				
29+40	0.0000	0.00	Q					34+50	0.0000	0.00	Q				
29+45	0.0000	0.00	Q					34+55	0.0000	0.00	Q				
29+50	0.0000	0.00	Q					35+ 0	0.0000	0.00	Q				
29+55	0.0000	0.00	Q					35+ 5	0.0000	0.00	Q				
30+ 0	0.0000	0.00	Q					35+10	0.0000	0.00	Q				
30+ 5	0.0000	0.00	Q					35+15	0.0000	0.00	Q				
30+10	0.0000	0.00	Q					35+20	0.0000	0.00	Q				
30+15	0.0000	0.00	Q					35+25	0.0000	0.00	Q				
30+20	0.0000	0.00	Q					35+30	0.0000	0.00	Q				
30+25	0.0000	0.00	Q					35+35	0.0000	0.00	Q				
30+30	0.0000	0.00	Q					35+40	0.0000	0.00	Q				
30+35	0.0000	0.00	Q					35+45	0.0000	0.00	Q				
30+40	0.0000	0.00	Q					35+50	0.0000	0.00	Q				
30+45	0.0000	0.00	Q					35+55	0.0000	0.00	Q				
30+50	0.0000	0.00	Q					36+ 0	0.0000	0.00	Q				
30+55	0.0000	0.00	Q					36+ 5	0.0000	0.00	Q				
31+ 0	0.0000	0.00	Q					36+10	0.0000	0.00	Q				

36+15	0.0000	0.00	Q					41+25	0.0000	0.00	Q				
36+20	0.0000	0.00	Q					41+30	0.0000	0.00	Q				
36+25	0.0000	0.00	Q					41+35	0.0000	0.00	Q				
36+30	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+35	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+20	0.0000	0.00	Q				
38+15	0.0000	0.00	Q					43+25	0.0000	0.00	Q				
38+20	0.0000	0.00	Q					43+30	0.0000	0.00	Q				
38+25	0.0000	0.00	Q					43+35	0.0000	0.00	Q				
38+30	0.0000	0.00	Q					43+40	0.0000	0.00	Q				
38+35	0.0000	0.00	Q					43+45	0.0000	0.00	Q				
38+40	0.0000	0.00	Q					43+50	0.0000	0.00	Q				
38+45	0.0000	0.00	Q					43+55	0.0000	0.00	Q				
38+50	0.0000	0.00	Q					44+ 0	0.0000	0.00	Q				
38+55	0.0000	0.00	Q					44+ 5	0.0000	0.00	Q				
39+ 0	0.0000	0.00	Q					44+10	0.0000	0.00	Q				
39+ 5	0.0000	0.00	Q					44+15	0.0000	0.00	Q				
39+10	0.0000	0.00	Q					44+20	0.0000	0.00	Q				
39+15	0.0000	0.00	Q					44+25	0.0000	0.00	Q				
39+20	0.0000	0.00	Q					44+30	0.0000	0.00	Q				
39+25	0.0000	0.00	Q					44+35	0.0000	0.00	Q				
39+30	0.0000	0.00	Q					44+40	0.0000	0.00	Q				
39+35	0.0000	0.00	Q					44+45	0.0000	0.00	Q				
39+40	0.0000	0.00	Q					44+50	0.0000	0.00	Q				
39+45	0.0000	0.00	Q					44+55	0.0000	0.00	Q				
39+50	0.0000	0.00	Q					45+ 0	0.0000	0.00	Q				
39+55	0.0000	0.00	Q					45+ 5	0.0000	0.00	Q				
40+ 0	0.0000	0.00	Q					45+10	0.0000	0.00	Q				
40+ 5	0.0000	0.00	Q					45+15	0.0000	0.00	Q				
40+10	0.0000	0.00	Q					45+20	0.0000	0.00	Q				
40+15	0.0000	0.00	Q					45+25	0.0000	0.00	Q				
40+20	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+20	0.0000	0.00	Q				
41+15	0.0000	0.00	Q					46+25	0.0000	0.00	Q				
41+20	0.0000	0.00	Q					46+30	0.0000	0.00	Q				

46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+30	0.0000	0.00	Q				
48+25	0.0000	0.00	Q					53+35	0.0000	0.00	Q				
48+30	0.0000	0.00	Q					53+40	0.0000	0.00	Q				
48+35	0.0000	0.00	Q					53+45	0.0000	0.00	Q				
48+40	0.0000	0.00	Q					53+50	0.0000	0.00	Q				
48+45	0.0000	0.00	Q					53+55	0.0000	0.00	Q				
48+50	0.0000	0.00	Q					54+ 0	0.0000	0.00	Q				
48+55	0.0000	0.00	Q					54+ 5	0.0000	0.00	Q				
49+ 0	0.0000	0.00	Q					54+10	0.0000	0.00	Q				
49+ 5	0.0000	0.00	Q					54+15	0.0000	0.00	Q				
49+10	0.0000	0.00	Q					54+20	0.0000	0.00	Q				
49+15	0.0000	0.00	Q					54+25	0.0000	0.00	Q				
49+20	0.0000	0.00	Q					54+30	0.0000	0.00	Q				
49+25	0.0000	0.00	Q					54+35	0.0000	0.00	Q				
49+30	0.0000	0.00	Q					54+40	0.0000	0.00	Q				
49+35	0.0000	0.00	Q					54+45	0.0000	0.00	Q				
49+40	0.0000	0.00	Q					54+50	0.0000	0.00	Q				
49+45	0.0000	0.00	Q					54+55	0.0000	0.00	Q				
49+50	0.0000	0.00	Q					55+ 0	0.0000	0.00	Q				
49+55	0.0000	0.00	Q					55+ 5	0.0000	0.00	Q				
50+ 0	0.0000	0.00	Q					55+10	0.0000	0.00	Q				
50+ 5	0.0000	0.00	Q					55+15	0.0000	0.00	Q				
50+10	0.0000	0.00	Q					55+20	0.0000	0.00	Q				
50+15	0.0000	0.00	Q					55+25	0.0000	0.00	Q				
50+20	0.0000	0.00	Q					55+30	0.0000	0.00	Q				
50+25	0.0000	0.00	Q					55+35	0.0000	0.00	Q				
50+30	0.0000	0.00	Q					55+40	0.0000	0.00	Q				
50+35	0.0000	0.00	Q					55+45	0.0000	0.00	Q				
50+40	0.0000	0.00	Q					55+50	0.0000	0.00	Q				
50+45	0.0000	0.00	Q					55+55	0.0000	0.00	Q				
50+50	0.0000	0.00	Q					56+ 0	0.0000	0.00	Q				
50+55	0.0000	0.00	Q					56+ 5	0.0000	0.00	Q				
51+ 0	0.0000	0.00	Q					56+10	0.0000	0.00	Q				
51+ 5	0.0000	0.00	Q					56+15	0.0000	0.00	Q				
51+10	0.0000	0.00	Q					56+20	0.0000	0.00	Q				
51+15	0.0000	0.00	Q					56+25	0.0000	0.00	Q				
51+20	0.0000	0.00	Q					56+30	0.0000	0.00	Q				
51+25	0.0000	0.00	Q					56+35	0.0000	0.00	Q				
51+30	0.0000	0.00	Q					56+40	0.0000	0.00	Q				
51+35	0.0000	0.00	Q					56+45	0.0000	0.00	Q				
51+40	0.0000	0.00	Q					56+50	0.0000	0.00	Q				

56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				
58+55	0.0000	0.00	Q					64+ 5	0.0000	0.00	Q				
59+ 0	0.0000	0.00	Q					64+10	0.0000	0.00	Q				
59+ 5	0.0000	0.00	Q					64+15	0.0000	0.00	Q				
59+10	0.0000	0.00	Q					64+20	0.0000	0.00	Q				
59+15	0.0000	0.00	Q					64+25	0.0000	0.00	Q				
59+20	0.0000	0.00	Q					64+30	0.0000	0.00	Q				
59+25	0.0000	0.00	Q					64+35	0.0000	0.00	Q				
59+30	0.0000	0.00	Q					64+40	0.0000	0.00	Q				
59+35	0.0000	0.00	Q					64+45	0.0000	0.00	Q				
59+40	0.0000	0.00	Q					64+50	0.0000	0.00	Q				
59+45	0.0000	0.00	Q					64+55	0.0000	0.00	Q				
59+50	0.0000	0.00	Q					65+ 0	0.0000	0.00	Q				
59+55	0.0000	0.00	Q					65+ 5	0.0000	0.00	Q				
60+ 0	0.0000	0.00	Q					65+10	0.0000	0.00	Q				
60+ 5	0.0000	0.00	Q					65+15	0.0000	0.00	Q				
60+10	0.0000	0.00	Q					65+20	0.0000	0.00	Q				
60+15	0.0000	0.00	Q					65+25	0.0000	0.00	Q				
60+20	0.0000	0.00	Q					65+30	0.0000	0.00	Q				
60+25	0.0000	0.00	Q					65+35	0.0000	0.00	Q				
60+30	0.0000	0.00	Q					65+40	0.0000	0.00	Q				
60+35	0.0000	0.00	Q					65+45	0.0000	0.00	Q				
60+40	0.0000	0.00	Q					65+50	0.0000	0.00	Q				
60+45	0.0000	0.00	Q					65+55	0.0000	0.00	Q				
60+50	0.0000	0.00	Q					66+ 0	0.0000	0.00	Q				
60+55	0.0000	0.00	Q					66+ 5	0.0000	0.00	Q				
61+ 0	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				
61+55	0.0000	0.00	Q					67+ 5	0.0000	0.00	Q				
62+ 0	0.0000	0.00	Q					67+10	0.0000	0.00	Q				

67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+10	0.0000	0.00	Q				
69+ 5	0.0000	0.00	Q					74+15	0.0000	0.00	Q				
69+10	0.0000	0.00	Q					74+20	0.0000	0.00	Q				
69+15	0.0000	0.00	Q					74+25	0.0000	0.00	Q				
69+20	0.0000	0.00	Q					74+30	0.0000	0.00	Q				
69+25	0.0000	0.00	Q					74+35	0.0000	0.00	Q				
69+30	0.0000	0.00	Q					74+40	0.0000	0.00	Q				
69+35	0.0000	0.00	Q					74+45	0.0000	0.00	Q				
69+40	0.0000	0.00	Q					74+50	0.0000	0.00	Q				
69+45	0.0000	0.00	Q					74+55	0.0000	0.00	Q				
69+50	0.0000	0.00	Q					75+ 0	0.0000	0.00	Q				
69+55	0.0000	0.00	Q					75+ 5	0.0000	0.00	Q				
70+ 0	0.0000	0.00	Q					75+10	0.0000	0.00	Q				
70+ 5	0.0000	0.00	Q					75+15	0.0000	0.00	Q				
70+10	0.0000	0.00	Q					75+20	0.0000	0.00	Q				
70+15	0.0000	0.00	Q					75+25	0.0000	0.00	Q				
70+20	0.0000	0.00	Q					75+30	0.0000	0.00	Q				
70+25	0.0000	0.00	Q					75+35	0.0000	0.00	Q				
70+30	0.0000	0.00	Q					75+40	0.0000	0.00	Q				
70+35	0.0000	0.00	Q					75+45	0.0000	0.00	Q				
70+40	0.0000	0.00	Q					75+50	0.0000	0.00	Q				
70+45	0.0000	0.00	Q					75+55	0.0000	0.00	Q				
70+50	0.0000	0.00	Q					76+ 0	0.0000	0.00	Q				
70+55	0.0000	0.00	Q					76+ 5	0.0000	0.00	Q				
71+ 0	0.0000	0.00	Q					76+10	0.0000	0.00	Q				
71+ 5	0.0000	0.00	Q					76+15	0.0000	0.00	Q				
71+10	0.0000	0.00	Q					76+20	0.0000	0.00	Q				
71+15	0.0000	0.00	Q					76+25	0.0000	0.00	Q				
71+20	0.0000	0.00	Q					76+30	0.0000	0.00	Q				
71+25	0.0000	0.00	Q					76+35	0.0000	0.00	Q				
71+30	0.0000	0.00	Q					76+40	0.0000	0.00	Q				
71+35	0.0000	0.00	Q					76+45	0.0000	0.00	Q				
71+40	0.0000	0.00	Q					76+50	0.0000	0.00	Q				
71+45	0.0000	0.00	Q					76+55	0.0000	0.00	Q				
71+50	0.0000	0.00	Q					77+ 0	0.0000	0.00	Q				
71+55	0.0000	0.00	Q					77+ 5	0.0000	0.00	Q				
72+ 0	0.0000	0.00	Q					77+10	0.0000	0.00	Q				
72+ 5	0.0000	0.00	Q					77+15	0.0000	0.00	Q				
72+10	0.0000	0.00	Q					77+20	0.0000	0.00	Q				
72+15	0.0000	0.00	Q					77+25	0.0000	0.00	Q				
72+20	0.0000	0.00	Q					77+30	0.0000	0.00	Q				

77+35	0.0000	0.00	Q					82+45	0.0000	0.00	Q				
77+40	0.0000	0.00	Q					82+50	0.0000	0.00	Q				
77+45	0.0000	0.00	Q					82+55	0.0000	0.00	Q				
77+50	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q				
77+55	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q				
78+ 0	0.0000	0.00	Q					83+10	0.0000	0.00	Q				
78+ 5	0.0000	0.00	Q					83+15	0.0000	0.00	Q				
78+10	0.0000	0.00	Q					83+20	0.0000	0.00	Q				
78+15	0.0000	0.00	Q					83+25	0.0000	0.00	Q				
78+20	0.0000	0.00	Q					83+30	0.0000	0.00	Q				
78+25	0.0000	0.00	Q					83+35	0.0000	0.00	Q				
78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				
79+25	0.0000	0.00	Q					84+35	0.0000	0.00	Q				
79+30	0.0000	0.00	Q					84+40	0.0000	0.00	Q				
79+35	0.0000	0.00	Q					84+45	0.0000	0.00	Q				
79+40	0.0000	0.00	Q					84+50	0.0000	0.00	Q				
79+45	0.0000	0.00	Q					84+55	0.0000	0.00	Q				
79+50	0.0000	0.00	Q					85+ 0	0.0000	0.00	Q				
79+55	0.0000	0.00	Q					85+ 5	0.0000	0.00	Q				
80+ 0	0.0000	0.00	Q					85+10	0.0000	0.00	Q				
80+ 5	0.0000	0.00	Q					85+15	0.0000	0.00	Q				
80+10	0.0000	0.00	Q					85+20	0.0000	0.00	Q				
80+15	0.0000	0.00	Q					85+25	0.0000	0.00	Q				
80+20	0.0000	0.00	Q					85+30	0.0000	0.00	Q				
80+25	0.0000	0.00	Q					85+35	0.0000	0.00	Q				
80+30	0.0000	0.00	Q					85+40	0.0000	0.00	Q				
80+35	0.0000	0.00	Q					85+45	0.0000	0.00	Q				
80+40	0.0000	0.00	Q					85+50	0.0000	0.00	Q				
80+45	0.0000	0.00	Q					85+55	0.0000	0.00	Q				
80+50	0.0000	0.00	Q					86+ 0	0.0000	0.00	Q				
80+55	0.0000	0.00	Q					86+ 5	0.0000	0.00	Q				
81+ 0	0.0000	0.00	Q					86+10	0.0000	0.00	Q				
81+ 5	0.0000	0.00	Q					86+15	0.0000	0.00	Q				
81+10	0.0000	0.00	Q					86+20	0.0000	0.00	Q				
81+15	0.0000	0.00	Q					86+25	0.0000	0.00	Q				
81+20	0.0000	0.00	Q					86+30	0.0000	0.00	Q				
81+25	0.0000	0.00	Q					86+35	0.0000	0.00	Q				
81+30	0.0000	0.00	Q					86+40	0.0000	0.00	Q				
81+35	0.0000	0.00	Q					86+45	0.0000	0.00	Q				
81+40	0.0000	0.00	Q					86+50	0.0000	0.00	Q				
81+45	0.0000	0.00	Q					86+55	0.0000	0.00	Q				
81+50	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q				
81+55	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q				
82+ 0	0.0000	0.00	Q					87+10	0.0000	0.00	Q				
82+ 5	0.0000	0.00	Q					87+15	0.0000	0.00	Q				
82+10	0.0000	0.00	Q					87+20	0.0000	0.00	Q				
82+15	0.0000	0.00	Q					87+25	0.0000	0.00	Q				
82+20	0.0000	0.00	Q					87+30	0.0000	0.00	Q				
82+25	0.0000	0.00	Q					87+35	0.0000	0.00	Q				
82+30	0.0000	0.00	Q					87+40	0.0000	0.00	Q				
82+35	0.0000	0.00	Q					87+45	0.0000	0.00	Q				
82+40	0.0000	0.00	Q					87+50	0.0000	0.00	Q				

87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+50	0.0000	0.00	Q				
89+45	0.0000	0.00	Q					94+55	0.0000	0.00	Q				
89+50	0.0000	0.00	Q					95+ 0	0.0000	0.00	Q				
89+55	0.0000	0.00	Q					95+ 5	0.0000	0.00	Q				
90+ 0	0.0000	0.00	Q					95+10	0.0000	0.00	Q				
90+ 5	0.0000	0.00	Q					95+15	0.0000	0.00	Q				
90+10	0.0000	0.00	Q					95+20	0.0000	0.00	Q				
90+15	0.0000	0.00	Q					95+25	0.0000	0.00	Q				
90+20	0.0000	0.00	Q					95+30	0.0000	0.00	Q				
90+25	0.0000	0.00	Q					95+35	0.0000	0.00	Q				
90+30	0.0000	0.00	Q					95+40	0.0000	0.00	Q				
90+35	0.0000	0.00	Q					95+45	0.0000	0.00	Q				
90+40	0.0000	0.00	Q					95+50	0.0000	0.00	Q				
90+45	0.0000	0.00	Q					95+55	0.0000	0.00	Q				
90+50	0.0000	0.00	Q					96+ 0	0.0000	0.00	Q				
90+55	0.0000	0.00	Q					96+ 5	0.0000	0.00	Q				
91+ 0	0.0000	0.00	Q					96+10	0.0000	0.00	Q				
91+ 5	0.0000	0.00	Q					96+15	0.0000	0.00	Q				
91+10	0.0000	0.00	Q					96+20	0.0000	0.00	Q				
91+15	0.0000	0.00	Q					96+25	0.0000	0.00	Q				
91+20	0.0000	0.00	Q					96+30	0.0000	0.00	Q				
91+25	0.0000	0.00	Q					96+35	0.0000	0.00	Q				
91+30	0.0000	0.00	Q					96+40	0.0000	0.00	Q				
91+35	0.0000	0.00	Q					96+45	0.0000	0.00	Q				
91+40	0.0000	0.00	Q					96+50	0.0000	0.00	Q				
91+45	0.0000	0.00	Q					96+55	0.0000	0.00	Q				
91+50	0.0000	0.00	Q					97+ 0	0.0000	0.00	Q				
91+55	0.0000	0.00	Q					97+ 5	0.0000	0.00	Q				
92+ 0	0.0000	0.00	Q					97+10	0.0000	0.00	Q				
92+ 5	0.0000	0.00	Q					97+15	0.0000	0.00	Q				
92+10	0.0000	0.00	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.00	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.00	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.00	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.00	Q					97+40	0.0000	0.00	Q				
92+35	0.0000	0.00	Q					97+45	0.0000	0.00	Q				
92+40	0.0000	0.00	Q					97+50	0.0000	0.00	Q				
92+45	0.0000	0.00	Q					97+55	0.0000	0.00	Q				
92+50	0.0000	0.00	Q					98+ 0	0.0000	0.00	Q				
92+55	0.0000	0.00	Q					98+ 5	0.0000	0.00	Q				
93+ 0	0.0000	0.00	Q					98+10	0.0000	0.00	Q				

98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				
102+55	0.0000	0.00	Q					108+ 5	0.0000	0.00	Q				
103+ 0	0.0000	0.00	Q					108+10	0.0000	0.00	Q				
103+ 5	0.0000	0.00	Q					108+15	0.0000	0.00	Q				
103+10	0.0000	0.00	Q					108+20	0.0000	0.00	Q				
103+15	0.0000	0.00	Q					108+25	0.0000	0.00	Q				
103+20	0.0000	0.00	Q					108+30	0.0000	0.00	Q				

108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				
113+35	0.0000	0.00	Q					118+45	0.0000	0.00	Q				
113+40	0.0000	0.00	Q					118+50	0.0000	0.00	Q				

118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q				
123+50	0.0000	0.00	Q					129+ 0	0.0000	0.00	Q				
123+55	0.0000	0.00	Q					129+ 5	0.0000	0.00	Q				
124+ 0	0.0000	0.00	Q					129+10	0.0000	0.00	Q				

129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+10	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+15	0.0000	0.00	Q				
133+10	0.0000	0.00	Q					138+20	0.0000	0.00	Q				
133+15	0.0000	0.00	Q					138+25	0.0000	0.00	Q				
133+20	0.0000	0.00	Q					138+30	0.0000	0.00	Q				
133+25	0.0000	0.00	Q					138+35	0.0000	0.00	Q				
133+30	0.0000	0.00	Q					138+40	0.0000	0.00	Q				
133+35	0.0000	0.00	Q					138+45	0.0000	0.00	Q				
133+40	0.0000	0.00	Q					138+50	0.0000	0.00	Q				
133+45	0.0000	0.00	Q					138+55	0.0000	0.00	Q				
133+50	0.0000	0.00	Q					139+ 0	0.0000	0.00	Q				
133+55	0.0000	0.00	Q					139+ 5	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q					139+10	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q					139+15	0.0000	0.00	Q				
134+10	0.0000	0.00	Q					139+20	0.0000	0.00	Q				
134+15	0.0000	0.00	Q					139+25	0.0000	0.00	Q				
134+20	0.0000	0.00	Q					139+30	0.0000	0.00	Q				

```
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------

      ***************************HYDROGRAPH DATA**************************
                  Number of intervals =  5000
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =      158.773 (CFS)
                  Total volume =      68.013 (Ac.Ft)
            Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ********************************************************************

      ------------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.500 to Point/Station        4.610
      **** STREAM ROUTING SCS CONVEX METHOD ****
      ________________________________________________________________________
      HYDROGRAPH STREAM ROUTING DATA:
      Length of stream =    653.00 (Ft.)
      Elevation difference =   20.00 (Ft.)
      Slope of channel =  0.030628 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =   653.00(Ft.)   Elevation difference =  20.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =    39.286(CFS)
      Given pipe size =     24.00(In.)
      Calculated individual pipe flow  =    39.286(CFS)
      Normal flow depth in pipe =   19.50(In.)
      Flow top width inside pipe =   18.73(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =     14.37(Ft/s)
      Travel time through pipe =    0.76 min.


      Pipe length  =   653.00(Ft.)   Elevation difference =  20.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =   158.773(CFS)
      Given pipe size =     24.00(In.)
      NOTE: Normal flow is pressure flow.
      The total friction loss through the pipe is     20.000(Ft.)
      Pipe friction loss =     16.875(Ft.)
      Minor friction loss =      3.121(Ft.)     K-factor =   1.50
      Maximum capacity of pipe(s) =   36.37(CFS)
      Critical depth could not be calculated.
      Pipe flow velocity =     11.58(Ft/s)
      Travel time through pipe =    0.94 min.


      ********************** SCS CONVEX CHANNEL ROUTING **********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
```

```
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.8719   Travel time =   0.94 (min.)
              dt*(unit time interval) =   5.00(min.),  e=   4.3995
              dt(routing time-step) =   0.82 (min.),   c* =   0.9999

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T  O F  S T O R M
                    R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)
      ------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       39.7      79.4      119.1     158.8
------------------------------------------------------------------------
  0+ 5       0.0202      0.02  O         |         |         |         |
  0+10       0.1307      0.15  O         |         |         |         |
  0+15       0.3025      0.33  O         |         |         |         |
  0+20       0.4104      0.43  O         |         |         |         |
  0+25       0.5264      0.55  O         |         |         |         |
  0+30       0.6582      0.68  O         |         |         |         |
  0+35       0.7434      0.76  O         |         |         |         |
  0+40       0.8031      0.81  O         |         |         |         |
  0+45       0.8510      0.86  O         |         |         |         |
  0+50       0.9027      0.91  O         |         |         |         |
  0+55       0.9956      1.01  O         |         |         |         |
  1+ 0       1.1164      1.14  O         |         |         |         |
  1+ 5       1.1885      1.20  O         |         |         |         |
  1+10       1.1920      1.19  O         |         |         |         |
  1+15       1.1520      1.14  O         |         |         |         |
  1+20       1.1413      1.14  O         |         |         |         |
  1+25       1.1440      1.14  O         |         |         |         |
  1+30       1.1514      1.15  O         |         |         |         |
  1+35       1.1625      1.16  O         |         |         |         |
  1+40       1.1767      1.18  O         |         |         |         |
  1+45       1.1928      1.20  O         |         |         |         |
  1+50       1.2183      1.22  O         |         |         |         |
  1+55       1.2862      1.30  O         |         |         |         |
  2+ 0       1.3817      1.40  O         |         |         |         |
  2+ 5       1.4380      1.45  O         |         |         |         |
  2+10       1.4744      1.48  O         |         |         |         |
  2+15       1.5026      1.51  O         |         |         |         |
  2+20       1.5254      1.53  O         |         |         |         |
  2+25       1.5445      1.55  O         |         |         |         |
  2+30       1.5612      1.56  O         |         |         |         |
  2+35       1.5871      1.59  O         |         |         |         |
  2+40       1.6571      1.67  O         |         |         |         |
  2+45       1.7558      1.77  O         |         |         |         |
  2+50       1.8157      1.82  O         |         |         |         |
  2+55       1.8555      1.86  O         |         |         |         |
  3+ 0       1.8861      1.89  O         |         |         |         |
  3+ 5       1.9100      1.91  O         |         |         |         |
  3+10       1.9287      1.93  O         |         |         |         |
  3+15       1.9440      1.95  O         |         |         |         |
  3+20       1.9580      1.96  O         |         |         |         |
  3+25       1.9714      1.97  O         |         |         |         |
  3+30       1.9844      1.99  O         |         |         |         |
  3+35       1.9970      2.00  O         |         |         |         |
  3+40       2.0092      2.01  O         |         |         |         |
```

3+45	2.0213	2.02	O	|	|	|	|		8+55	6.6827	6.76	|O	|	|	|	|	
3+50	2.0429	2.05	O	|	|	|	|		9+ 0	7.2427	7.34	|O	|	|	|	|	
3+55	2.1081	2.12	O	|	|	|	|		9+ 5	7.6932	7.76	|O	|	|	|	|	
4+ 0	2.2016	2.22	O	|	|	|	|		9+10	8.4836	8.62	| O	|	|	|	|	
4+ 5	2.2560	2.26	O	|	|	|	|		9+15	9.5187	9.69	| O	|	|	|	|	
4+10	2.2903	2.30	O	|	|	|	|		9+20	10.1754	10.27	| O	|	|	|	|	
4+15	2.3161	2.32	O	|	|	|	|		9+25	10.8225	10.93	| O	|	|	|	|	
4+20	2.3461	2.35	O	|	|	|	|		9+30	11.5084	11.62	| O	|	|	|	|	
4+25	2.4161	2.43	O	|	|	|	|		9+35	11.9818	12.05	| O	|	|	|	|	
4+30	2.5122	2.53	O	|	|	|	|		9+40	12.5319	12.63	| O	|	|	|	|	
4+35	2.5683	2.58	O	|	|	|	|		9+45	13.1560	13.26	| O	|	|	|	|	
4+40	2.6039	2.61	O	|	|	|	|		9+50	13.5927	13.66	| O	|	|	|	|	
4+45	2.6308	2.63	O	|	|	|	|		9+55	14.1245	14.22	| O	|	|	|	|	
4+50	2.6619	2.67	O	|	|	|	|		10+ 0	14.7414	14.84	| O	|	|	|	|	
4+55	2.7329	2.75	O	|	|	|	|		10+ 5	14.7517	14.73	| O	|	|	|	|	
5+ 0	2.8302	2.85	O	|	|	|	|		10+10	13.0496	12.72	| O	|	|	|	|	
5+ 5	2.8677	2.87	O	|	|	|	|		10+15	10.7881	10.41	| O	|	|	|	|	
5+10	2.7966	2.78	O	|	|	|	|		10+20	10.6019	10.64	| O	|	|	|	|	
5+15	2.6589	2.63	O	|	|	|	|		10+25	11.4971	11.67	| O	|	|	|	|	
5+20	2.6029	2.60	O	|	|	|	|		10+30	12.8176	13.04	| O	|	|	|	|	
5+25	2.6265	2.63	O	|	|	|	|		10+35	14.6213	14.93	| O	|	|	|	|	
5+30	2.6927	2.70	O	|	|	|	|		10+40	17.7744	18.33	| O	|	|	|	|	
5+35	2.7392	2.75	O	|	|	|	|		10+45	21.8903	22.59	| O	|	|	|	|	
5+40	2.8170	2.83	O	|	|	|	|		10+50	25.3157	25.85	| O	|	|	|	|	
5+45	2.9194	2.94	O	|	|	|	|		10+55	28.6271	29.17	| O	|	|	|	|	
5+50	2.9785	2.99	O	|	|	|	|		11+ 0	32.0209	32.58	| O	|	|	|	|	
5+55	3.0140	3.02	O	|	|	|	|		11+ 5	35.3267	35.87	| OI	|	|	|	|	
6+ 0	3.0387	3.04	O	|	|	|	|		11+10	36.3667	38.74	| O	|	|	|	|	
6+ 5	3.0672	3.07	O	|	|	|	|		11+15	36.3667	41.28	| OI	|	|	|	|	
6+10	3.1356	3.15	O	|	|	|	|		11+20	36.3667	43.89	| O|I	|	|	|	|	
6+15	3.2296	3.25	O	|	|	|	|		11+25	36.3667	46.42	| O|I	|	|	|	|	
6+20	3.2830	3.29	O	|	|	|	|		11+30	36.3667	48.81	| O| I	|	|	|	|	
6+25	3.3156	3.32	O	|	|	|	|		11+35	36.3667	50.94	| O| I	|	|	|	|	
6+30	3.3395	3.34	O	|	|	|	|		11+40	36.3667	52.38	| O| I	|	|	|	|	
6+35	3.3677	3.37	O	|	|	|	|		11+45	36.3667	53.35	| O| I	|	|	|	|	
6+40	3.4360	3.45	O	|	|	|	|		11+50	36.3667	54.94	| O| I	|	|	|	|	
6+45	3.5307	3.55	O	|	|	|	|		11+55	36.3667	57.26	| O| I	|	|	|	|	
6+50	3.5856	3.59	O	|	|	|	|		12+ 0	36.3667	60.02	| O| I	|	|	|	|	
6+55	3.6203	3.63	O	|	|	|	|		12+ 5	36.3667	63.13	| O| I	|	|	|	|	
7+ 0	3.6463	3.65	O	|	|	|	|		12+10	36.3667	68.43	| O| I	|	|	|	|	
7+ 5	3.6668	3.67	O	|	|	|	|		12+15	36.3667	75.29	| O| I	|	|	|	|	
7+10	3.6831	3.69	O	|	|	|	|		12+20	36.3667	80.83	| O| I	|	|	|	|	
7+15	3.6977	3.70	O	|	|	|	|		12+25	36.3667	86.21	| O| I	|	|	|	|	
7+20	3.7225	3.73	O	|	|	|	|		12+30	36.3667	91.34	| O| I	|	|	|	|	
7+25	3.7921	3.80	O	|	|	|	|		12+35	36.3667	95.96	| O| I	|	|	|	|	
7+30	3.8905	3.91	O	|	|	|	|		12+40	36.3667	100.72	| O| I	|	|	|	|	
7+35	3.9596	3.97	OI	|	|	|	|		12+45	36.3667	105.53	| O| I	|	|	|	|	
7+40	4.0526	4.07	|O	|	|	|	|		12+50	36.3667	109.68	| O| I	|	|	|	|	
7+45	4.1658	4.18	|O	|	|	|	|		12+55	36.3667	113.75	| O| I	|	|	|	|	
7+50	4.2428	4.25	|O	|	|	|	|		13+ 0	36.3667	117.69	| O| I	|	|	|	|	
7+55	4.3380	4.35	|O	|	|	|	|		13+ 5	36.3667	121.49	| O| I	|	|	|	|	
8+ 0	4.4508	4.47	|O	|	|	|	|		13+10	36.3667	126.60	| O| I	|	|	|	|	
8+ 5	4.5515	4.57	|O	|	|	|	|		13+15	36.3667	133.61	| O| I	|	|	|	|	
8+10	4.7566	4.79	|O	|	|	|	|		13+20	36.3667	140.61	| O| I	|	|	|	|	
8+15	5.0427	5.09	|O	|	|	|	|		13+25	36.3667	147.46	| O| I	|	|	|	|	
8+20	5.2393	5.27	|O	|	|	|	|		13+30	36.3667	153.87	| O| I	|	|	|	|	
8+25	5.3648	5.38	|O	|	|	|	|		13+35	36.3667	158.77	| O| I	|	|	|	|	
8+30	5.4480	5.46	|O	|	|	|	|		13+40	36.3667	158.68	| O| I	|	|	|	|	
8+35	5.5329	5.55	|O	|	|	|	|		13+45	36.3667	154.34	| O| I	|	|	|	|	
8+40	5.7217	5.76	|O	|	|	|	|		13+50	36.3667	150.81	| O| I	|	|	|	|	
8+45	5.9958	6.04	|O	|	|	|	|		13+55	36.3667	147.07	| O| I	|	|	|	|	
8+50	6.2485	6.29	|O	|	|	|	|		14+ 0	36.3667	143.42	| O| I	|	|	|	|	

| | | |

24+25	36.3667	0.43	I	O|	|	|	|
24+30	36.3667	0.22	I	O|	|	|	|
24+35	36.3667	0.11	I	O|	|	|	|
24+40	36.3667	0.06	I	O|	|	|	|
24+45	36.3667	0.03	I	O|	|	|	|
24+50	36.3667	0.02	I	O|	|	|	|
24+55	36.3667	0.01	I	O|	|	|	|
25+ 0	36.3667	0.00	I	O|	|	|	|
25+ 5	36.3667	0.00	I	O|	|	|	|
25+10	36.3667	0.00	I	O|	|	|	|
25+15	36.3667	0.00	I	O|	|	|	|
25+20	36.3667	0.00	I	O|	|	|	|
25+25	36.3667	0.00	I	O|	|	|	|
25+30	36.3667	0.00	I	O|	|	|	|
25+35	36.3667	0.00	I	O|	|	|	|
25+40	36.3667	0.00	I	O|	|	|	|
25+45	36.3667	0.00	I	O|	|	|	|
25+50	36.3667	0.00	I	O|	|	|	|
25+55	36.3667	0.00	I	O|	|	|	|
26+ 0	36.3667	0.00	I	O|	|	|	|
26+ 5	36.3667	0.00	I	O|	|	|	|
26+10	36.3667	0.00	I	O|	|	|	|
26+15	36.3667	0.00	I	O|	|	|	|
26+20	36.3667	0.00	I	O|	|	|	|
26+25	36.3667	0.00	I	O|	|	|	|
26+30	36.3667	0.00	I	O|	|	|	|
26+35	36.3667	0.00	I	O|	|	|	|
26+40	36.3667	0.00	I	O|	|	|	|
26+45	36.3667	0.00	I	O|	|	|	|
26+50	36.3667	0.00	I	O|	|	|	|
26+55	36.3667	0.00	I	O|	|	|	|
27+ 0	36.3667	0.00	I	O|	|	|	|
27+ 5	36.3667	0.00	I	O|	|	|	|
27+10	36.3667	0.00	I	O|	|	|	|
27+15	36.3667	0.00	I	O|	|	|	|
27+20	36.3667	0.00	I	O|	|	|	|
27+25	36.3667	0.00	I	O|	|	|	|
27+30	36.3667	0.00	I	O|	|	|	|
27+35	36.3667	0.00	I	O|	|	|	|
27+40	36.3667	0.00	I	O|	|	|	|
27+45	36.3667	0.00	I	O|	|	|	|
27+50	36.3667	0.00	I	O|	|	|	|
27+55	36.3667	0.00	I	O|	|	|	|
28+ 0	36.3667	0.00	I	O|	|	|	|
28+ 5	36.3667	0.00	I	O|	|	|	|
28+10	36.3667	0.00	I	O|	|	|	|
28+15	36.3667	0.00	I	O|	|	|	|
28+20	36.3667	0.00	I	O|	|	|	|
28+25	36.3667	0.00	I	O|	|	|	|
28+30	36.3667	0.00	I	O|	|	|	|
28+35	36.3667	0.00	I	O|	|	|	|
28+40	36.3667	0.00	I	O|	|	|	|
28+45	36.3667	0.00	I	O|	|	|	|
28+50	36.3667	0.00	I	O|	|	|	|
28+55	36.3667	0.00	I	O|	|	|	|
29+ 0	36.3667	0.00	I	O|	|	|	|
29+ 5	36.3667	0.00	I	O|	|	|	|
29+10	36.3667	0.00	I	O|	|	|	|
29+15	36.3667	0.00	I	O|	|	|	|
29+20	36.3667	0.00	I	O|	|	|	|
29+25	36.3667	0.00	I	O|	|	|	|
29+30	36.3667	0.00	I	O|	|	|	|
29+35	36.3667	0.00	I	O|	|	|	|
29+40	36.3667	0.00	I	O|	|	|	|
29+45	36.3667	0.00	I	O|	|	|	|
29+50	36.3667	0.00	I	O|	|	|	|
29+55	36.3667	0.00	I	O|	|	|	|
30+ 0	36.3667	0.00	I	O|	|	|	|
30+ 5	36.3667	0.00	I	O|	|	|	|
30+10	36.3667	0.00	I	O|	|	|	|
30+15	36.3667	0.00	I	O|	|	|	|
30+20	36.3667	0.00	I	O|	|	|	|
30+25	36.3667	0.00	I	O|	|	|	|
30+30	36.3667	0.00	I	O|	|	|	|
30+35	36.3667	0.00	I	O|	|	|	|
30+40	36.3667	0.00	I	O|	|	|	|
30+45	36.3667	0.00	I	O|	|	|	|
30+50	36.3667	0.00	I	O|	|	|	|
30+55	36.3667	0.00	I	O|	|	|	|
31+ 0	36.3667	0.00	I	O|	|	|	|
31+ 5	36.3667	0.00	I	O|	|	|	|
31+10	36.3667	0.00	I	O|	|	|	|
31+15	36.3667	0.00	I	O|	|	|	|
31+20	36.3667	0.00	I	O|	|	|	|
31+25	36.3667	0.00	I	O|	|	|	|
31+30	36.3667	0.00	I	O|	|	|	|
31+35	36.3667	0.00	I	O|	|	|	|
31+40	36.3667	0.00	I	O|	|	|	|
31+45	36.3667	0.00	I	O|	|	|	|
31+50	36.3667	0.00	I	O|	|	|	|
31+55	36.3667	0.00	I	O|	|	|	|
32+ 0	36.3667	0.00	I	O|	|	|	|
32+ 5	36.3667	0.00	I	O|	|	|	|
32+10	1.8020	0.00	O	|	|	|	|
32+15	0.0000	0.00	O	|	|	|	|

Note: For pressure channel flow, the basin storage requirements
at the headworks of this channel = 34.53 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 387
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 36.367 (CFS)
Total volume = 67.763 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 4.500 to Point/Station 4.610
**** STORE OR DELETE CURRENT HYDROGRAPH ****

Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 3 with
a starting time of 0.00 hours and ending time of 24.00 hours
With a total volume of 43.46(Ac.Ft)

**********HYDROGRAPH DATA**********

```
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)       0.000     0.000    36.367     0.000     0.000
             Vol (Ac.Ft)      0.000     0.000    43.456     0.000     0.000
      ****************************************************************************


      ----------------------------------------------------------------------

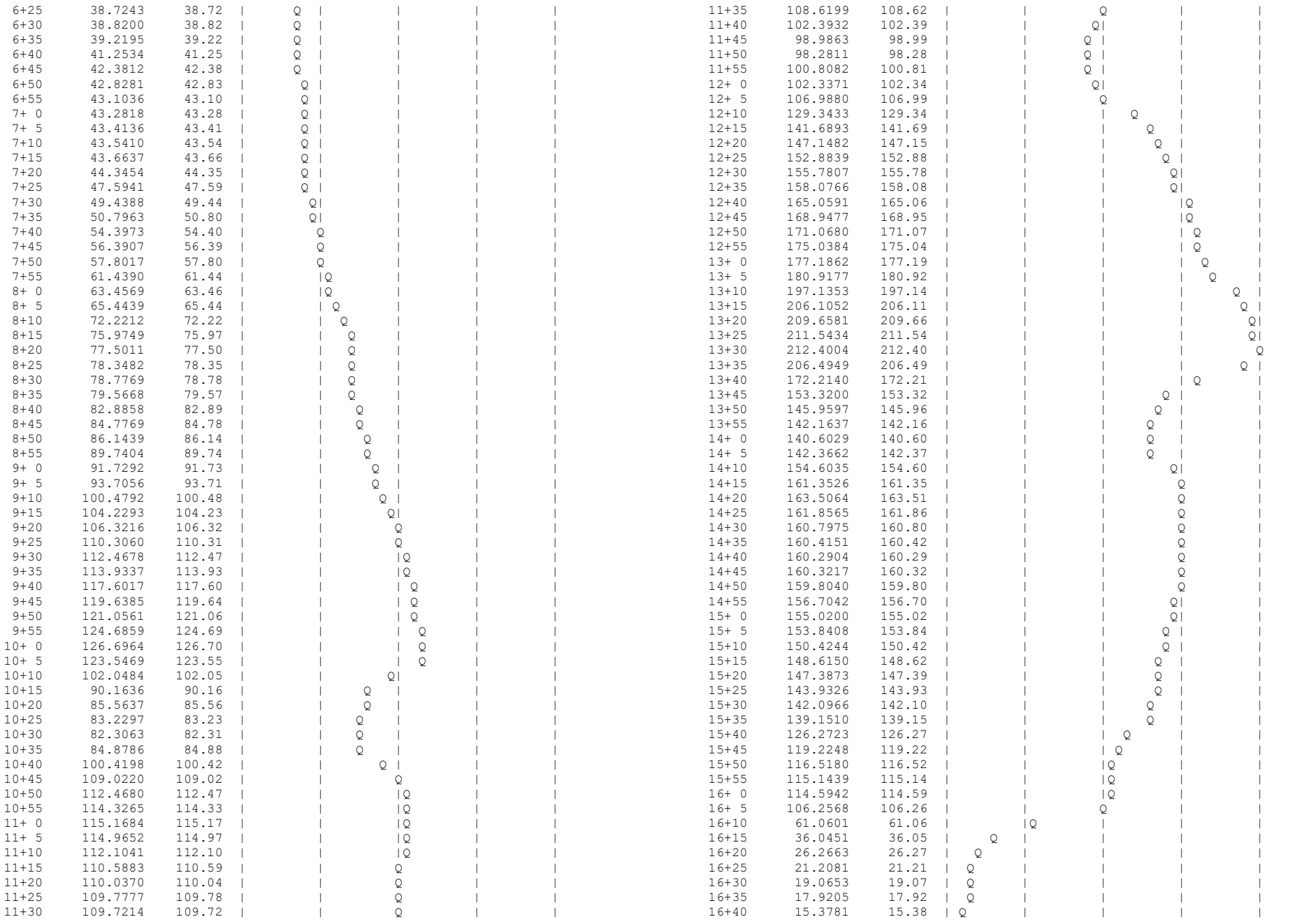

      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.500 to Point/Station        4.610
      **** STORE OR DELETE CURRENT HYDROGRAPH ****
      ______________________________________________________________________
      Current stream hydrograph deleted by user.
      ****************************HYDROGRAPH DATA*****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)       0.000     0.000    36.367     0.000     0.000
             Vol (Ac.Ft)      0.000     0.000    43.456     0.000     0.000
      ****************************************************************************


      ----------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.700 to Point/Station        4.600
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ______________________________________________________________________
      ********************* HYDROGRAPH INFORMATION **********************

                    From study/file name: MESAP4A10024100.rte
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
      ----------------------------------------------------------------------
                Hydrograph in   5   Minute intervals (CFS)

      ----------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       53.1     106.2     159.3     212.4
----------------------------------------------------------------------
  0+ 5       0.7295      0.73  Q         |         |         |         |
  0+10       4.7499      4.75  Q         |         |         |         |
  0+15       6.9729      6.97  |Q        |         |         |         |
  0+20       8.2079      8.21  |Q        |         |         |         |
  0+25      10.6694     10.67  | Q       |         |         |         |
  0+30      11.9722     11.97  | Q       |         |         |         |
  0+35      12.4769     12.48  | Q       |         |         |         |
  0+40      12.7501     12.75  | Q       |         |         |         |
  0+45      12.8782     12.88  | Q       |         |         |         |
  0+50      13.2867     13.29  | Q       |         |         |         |
  0+55      15.3206     15.32  | Q       |         |         |         |
  1+ 0      16.4484     16.45  |  Q      |         |         |         |
  1+ 5      16.5233     16.52  |  Q      |         |         |         |
  1+10      14.7387     14.74  | Q       |         |         |         |
  1+15      13.7228     13.72  | Q       |         |         |         |
  1+20      13.3225     13.32  | Q       |         |         |         |
  1+25      13.1206     13.12  | Q       |         |         |         |
  1+30      13.0412     13.04  | Q       |         |         |         |
  1+35      13.0109     13.01  | Q       |         |         |         |
  1+40      12.9871     12.99  | Q       |         |         |         |
  1+45      12.9709     12.97  | Q       |         |         |         |
  1+50      13.3311     13.33  | Q       |         |         |         |
  1+55      15.3413     15.34  | Q       |         |         |         |
  2+ 0      16.4529     16.45  |  Q      |         |         |         |
  2+ 5      16.8880     16.89  |  Q      |         |         |         |
  2+10      17.1137     17.11  |  Q      |         |         |         |
  2+15      17.2093     17.21  |  Q      |         |         |         |
  2+20      17.2441     17.24  |  Q      |         |         |         |
  2+25      17.2678     17.27  |  Q      |         |         |         |
  2+30      17.2841     17.28  |  Q      |         |         |         |
  2+35      17.6533     17.65  |  Q      |         |         |         |
  2+40      19.6635     19.66  |  Q      |         |         |         |
  2+45      20.7750     20.78  |  Q      |         |         |         |
  2+50      21.2101     21.21  |  Q      |         |         |         |
  2+55      21.4358     21.44  |   Q     |         |         |         |
  3+ 0      21.5314     21.53  |   Q     |         |         |         |
  3+ 5      21.5662     21.57  |   Q     |         |         |         |
  3+10      21.5900     21.59  |   Q     |         |         |         |
  3+15      21.6062     21.61  |   Q     |         |         |         |
  3+20      21.6107     21.61  |   Q     |         |         |         |
  3+25      21.6107     21.61  |   Q     |         |         |         |
  3+30      21.6107     21.61  |   Q     |         |         |         |
  3+35      21.6107     21.61  |   Q     |         |         |         |
  3+40      21.6107     21.61  |   Q     |         |         |         |
  3+45      21.6107     21.61  |   Q     |         |         |         |
  3+50      21.9754     21.98  |   Q     |         |         |         |
  3+55      23.9856     23.99  |   Q     |         |         |         |
  4+ 0      25.0972     25.10  |   Q     |         |         |         |
  4+ 5      25.5323     25.53  |   Q     |         |         |         |
  4+10      25.7579     25.76  |   Q     |         |         |         |
  4+15      25.8535     25.85  |   Q     |         |         |         |
  4+20      26.2531     26.25  |   Q     |         |         |         |
  4+25      28.2870     28.29  |    Q    |         |         |         |
  4+30      29.4148     29.41  |    Q    |         |         |         |
  4+35      29.8544     29.85  |    Q    |         |         |         |
  4+40      30.0801     30.08  |    Q    |         |         |         |
  4+45      30.1757     30.18  |    Q    |         |         |         |
  4+50      30.5752     30.58  |    Q    |         |         |         |
  4+55      32.6092     32.61  |     Q   |         |         |         |
  5+ 0      33.7370     33.74  |     Q   |         |         |         |
  5+ 5      33.4471     33.45  |     Q   |         |         |         |
  5+10      29.6524     29.65  |    Q    |         |         |         |
  5+15      27.5249     27.52  |    Q    |         |         |         |
  5+20      27.0542     27.05  |    Q    |         |         |         |
  5+25      28.6368     28.64  |    Q    |         |         |         |
  5+30      29.5734     29.57  |    Q    |         |         |         |
  5+35      30.3080     30.31  |    Q    |         |         |         |
  5+40      32.4964     32.50  |     Q   |         |         |         |
  5+45      33.6711     33.67  |     Q   |         |         |         |
  5+50      34.1321     34.13  |     Q   |         |         |         |
  5+55      34.3815     34.38  |     Q   |         |         |         |
  6+ 0      34.4934     34.49  |     Q   |         |         |         |
  6+ 5      34.8974     34.90  |     Q   |         |         |         |
  6+10      36.9313     36.93  |     Q   |         |         |         |
  6+15      38.0591     38.06  |      Q  |         |         |         |
  6+20      38.4987     38.50  |      Q  |         |         |         |
```



```
16+45      13.9022     13.90  | Q       |         |         |         |
16+50      13.3670     13.37  | Q       |         |         |         |
16+55      13.1413     13.14  | Q       |         |         |         |
17+ 0      13.0457     13.05  | Q       |         |         |         |
17+ 5      13.7403     13.74  | Q       |         |         |         |
17+10      17.7370     17.74  |  Q      |         |         |         |
17+15      19.9438     19.94  |  Q      |         |         |         |
17+20      20.8096     20.81  |  Q      |         |         |         |
17+25      21.2609     21.26  |   Q     |         |         |         |
17+30      21.4521     21.45  |   Q     |         |         |         |
17+35      21.5218     21.52  |   Q     |         |         |         |
17+40      21.5693     21.57  |   Q     |         |         |         |
17+45      21.6018     21.60  |   Q     |         |         |         |
17+50      21.2460     21.25  |   Q     |         |         |         |
17+55      19.2358     19.24  |  Q      |         |         |         |
18+ 0      18.1242     18.12  |  Q      |         |         |         |
18+ 5      17.6891     17.69  |  Q      |         |         |         |
18+10      17.4634     17.46  |  Q      |         |         |         |
18+15      17.3678     17.37  |  Q      |         |         |         |
18+20      17.3330     17.33  |  Q      |         |         |         |
18+25      17.3093     17.31  |  Q      |         |         |         |
18+30      17.2930     17.29  |  Q      |         |         |         |
18+35      16.9238     16.92  |  Q      |         |         |         |
18+40      14.9136     14.91  | Q       |         |         |         |
18+45      13.8021     13.80  | Q       |         |         |         |
18+50      13.0022     13.00  | Q       |         |         |         |
18+55      10.7664     10.77  | Q       |         |         |         |
19+ 0       9.5592      9.56  |Q        |         |         |         |
19+ 5       9.4540      9.45  |Q        |         |         |         |
19+10      11.2148     11.21  | Q       |         |         |         |
19+15      12.2145     12.21  | Q       |         |         |         |
19+20      12.9750     12.98  | Q       |         |         |         |
19+25      15.1872     15.19  | Q       |         |         |         |
19+30      16.3781     16.38  |  Q      |         |         |         |
19+35      16.4788     16.48  |  Q      |         |         |         |
19+40      14.7180     14.72  | Q       |         |         |         |
19+45      13.7183     13.72  | Q       |         |         |         |
19+50      12.9578     12.96  | Q       |         |         |         |
19+55      10.7457     10.75  | Q       |         |         |         |
20+ 0       9.5548      9.55  |Q        |         |         |         |
20+ 5       9.4540      9.45  |Q        |         |         |         |
20+10      11.2148     11.21  | Q       |         |         |         |
20+15      12.2145     12.21  | Q       |         |         |         |
20+20      12.6103     12.61  | Q       |         |         |         |
20+25      12.8122     12.81  | Q       |         |         |         |
20+30      12.8916     12.89  | Q       |         |         |         |
20+35      12.9219     12.92  | Q       |         |         |         |
20+40      12.9457     12.95  | Q       |         |         |         |
20+45      12.9619     12.96  | Q       |         |         |         |
20+50      12.6017     12.60  | Q       |         |         |         |
20+55      10.5915     10.59  |Q        |         |         |         |
21+ 0       9.4799      9.48  |Q        |         |         |         |
21+ 5       9.4096      9.41  |Q        |         |         |         |
21+10      11.1941     11.19  | Q       |         |         |         |
21+15      12.2100     12.21  | Q       |         |         |         |
21+20      12.2456     12.25  | Q       |         |         |         |
21+25      10.4373     10.44  |Q        |         |         |         |
21+30       9.4051      9.41  |Q        |         |         |         |
21+35       9.3651      9.37  |Q        |         |         |         |
21+40      11.1734     11.17  | Q       |         |         |         |
21+45      12.2056     12.21  | Q       |         |         |         |
21+50      12.2456     12.25  | Q       |         |         |         |
21+55      10.4373     10.44  |Q        |         |         |         |
22+ 0       9.4051      9.41  |Q        |         |         |         |
22+ 5       9.3651      9.37  |Q        |         |         |         |
22+10      11.1734     11.17  | Q       |         |         |         |
22+15      12.2056     12.21  | Q       |         |         |         |
22+20      12.2456     12.25  | Q       |         |         |         |
22+25      10.4373     10.44  |Q        |         |         |         |
22+30       9.4051      9.41  |Q        |         |         |         |
22+35       9.0004      9.00  |Q        |         |         |         |
22+40       8.7984      8.80  |Q        |         |         |         |
22+45       8.7191      8.72  |Q        |         |         |         |
22+50       8.6887      8.69  |Q        |         |         |         |
22+55       8.6650      8.66  |Q        |         |         |         |
23+ 0       8.6487      8.65  |Q        |         |         |         |
23+ 5       8.6443      8.64  |Q        |         |         |         |
23+10       8.6443      8.64  |Q        |         |         |         |
23+15       8.6443      8.64  |Q        |         |         |         |
23+20       8.6443      8.64  |Q        |         |         |         |
23+25       8.6443      8.64  |Q        |         |         |         |
23+30       8.6443      8.64  |Q        |         |         |         |
23+35       8.6443      8.64  |Q        |         |         |         |
23+40       8.6443      8.64  |Q        |         |         |         |
23+45       8.6443      8.64  |Q        |         |         |         |
23+50       8.6443      8.64  |Q        |         |         |         |
23+55       8.6443      8.64  |Q        |         |         |         |
24+ 0       8.6443      8.64  |Q        |         |         |         |
24+ 5       7.9148      7.91  |Q        |         |         |         |
24+10       3.8944      3.89  Q        |         |         |         |
24+15       1.6713      1.67  Q        |         |         |         |
24+20       0.8011      0.80  Q        |         |         |         |
24+25       0.3498      0.35  Q        |         |         |         |
24+30       0.1586      0.16  Q        |         |         |         |
24+35       0.0889      0.09  Q        |         |         |         |
24+40       0.0414      0.04  Q        |         |         |         |
24+45       0.0089      0.01  Q        |         |         |         |
-------------------------------------------------------------------------

        ***************************HYDROGRAPH DATA**************************
                      Number of intervals =   297
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =      212.400 (CFS)
                      Total volume =     112.837 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000    36.367     0.000     0.000
              Vol (Ac.Ft)     0.000     0.000    43.456     0.000     0.000
        ********************************************************************************

        --------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.600 to Point/Station        4.600
        **** FLOWBY BASIN ROUTING OR SPLIT FLOW ****
        ________________________________________________________________________
        All flow in excess of     3.90(CFS) is diverted
        into stream number 4
        Total volume of excess flow diverted into flowby
        basin (stream number 4 ) is     105.05(Ac.Ft)
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                      R u n o f f      H y d r o g r a p h
        ------------------------------------------------------------------
```

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Volume(Ac.Ft)	Q(CFS)	0 1.0 2.0 2.9 3.9
0+ 5	0.0050	0.73	V Q | | | |
0+10	0.0319	3.90	V | | | | Q
0+15	0.0587	3.90	V | | | | Q
0+20	0.0856	3.90	V | | | | Q
0+25	0.1125	3.90	V | | | | Q
0+30	0.1393	3.90	V | | | | Q
0+35	0.1662	3.90	V | | | | Q
0+40	0.1930	3.90	V | | | | Q
0+45	0.2199	3.90	|V | | | | Q
0+50	0.2468	3.90	|V | | | | Q
0+55	0.2736	3.90	|V | | | | Q
1+ 0	0.3005	3.90	|V | | | | Q
1+ 5	0.3273	3.90	|V | | | | Q
1+10	0.3542	3.90	|V | | | | Q
1+15	0.3811	3.90	|V | | | | Q
1+20	0.4079	3.90	| V | | | | Q
1+25	0.4348	3.90	| V | | | | Q
1+30	0.4616	3.90	| V | | | | Q
1+35	0.4885	3.90	| V | | | | Q
1+40	0.5154	3.90	| V | | | | Q
1+45	0.5422	3.90	| V | | | | Q
1+50	0.5691	3.90	| V | | | | Q
1+55	0.5959	3.90	| V | | | | Q
2+ 0	0.6228	3.90	| V | | | | Q
2+ 5	0.6497	3.90	| V | | | | Q
2+10	0.6765	3.90	| V | | | | Q
2+15	0.7034	3.90	| V | | | | Q
2+20	0.7302	3.90	| V | | | | Q
2+25	0.7571	3.90	| V | | | | Q
2+30	0.7839	3.90	| V | | | | Q
2+35	0.8108	3.90	| V | | | | Q
2+40	0.8377	3.90	| V | | | | Q
2+45	0.8645	3.90	| V | | | | Q
2+50	0.8914	3.90	| V | | | | Q
2+55	0.9182	3.90	| V | | | | Q
3+ 0	0.9451	3.90	| V | | | | Q
3+ 5	0.9720	3.90	| V | | | | Q
3+10	0.9988	3.90	| V | | | | Q
3+15	1.0257	3.90	| V | | | | Q
3+20	1.0525	3.90	| V | | | | Q
3+25	1.0794	3.90	| V | | | | Q
3+30	1.1063	3.90	| V | | | | Q
3+35	1.1331	3.90	| V | | | | Q
3+40	1.1600	3.90	| V | | | | Q
3+45	1.1868	3.90	| V | | | | Q
3+50	1.2137	3.90	| V | | | | Q
3+55	1.2406	3.90	| V | | | | Q
4+ 0	1.2674	3.90	| V | | | | Q
4+ 5	1.2943	3.90	| V | | | | Q
4+10	1.3211	3.90	| V | | | | Q
4+15	1.3480	3.90	| V | | | | Q
4+20	1.3749	3.90	| V | | | | Q
4+25	1.4017	3.90	| V | | | | Q
4+30	1.4286	3.90	| V | | | | Q
4+35	1.4554	3.90	| V | | | | Q
4+40	1.4823	3.90	| V | | | | Q
4+45	1.5092	3.90	| V | | | | Q
4+50	1.5360	3.90	| V | | | | Q
4+55	1.5629	3.90	| V | | | | Q
5+ 0	1.5897	3.90	| V | | | | Q
5+ 5	1.6166	3.90	| V | | | | Q
5+10	1.6435	3.90	| V | | | | Q
5+15	1.6703	3.90	| V | | | | Q
5+20	1.6972	3.90	| V | | | | Q
5+25	1.7240	3.90	| V | | | | Q
5+30	1.7509	3.90	| V | | | | Q
5+35	1.7778	3.90	| V| | | | Q
5+40	1.8046	3.90	| V| | | | Q
5+45	1.8315	3.90	| V| | | | Q
5+50	1.8583	3.90	| V| | | | Q
5+55	1.8852	3.90	| V| | | | Q
6+ 0	1.9120	3.90	| V| | | | Q
6+ 5	1.9389	3.90	| V| | | | Q
6+10	1.9658	3.90	| V | | | | Q
6+15	1.9926	3.90	| V | | | | Q
6+20	2.0195	3.90	| V | | | | Q
6+25	2.0463	3.90	| V | | | | Q
6+30	2.0732	3.90	| V | | | | Q
6+35	2.1001	3.90	| V | | | | Q
6+40	2.1269	3.90	| V | | | | Q
6+45	2.1538	3.90	| V | | | | Q
6+50	2.1806	3.90	| |V | | | Q
6+55	2.2075	3.90	| |V | | | Q
7+ 0	2.2344	3.90	| |V | | | Q
7+ 5	2.2612	3.90	| |V | | | Q
7+10	2.2881	3.90	| |V | | | Q
7+15	2.3149	3.90	| |V | | | Q
7+20	2.3418	3.90	| | V | | | Q
7+25	2.3687	3.90	| | V | | | Q
7+30	2.3955	3.90	| | V | | | Q
7+35	2.4224	3.90	| | V | | | Q
7+40	2.4492	3.90	| | V | | | Q
7+45	2.4761	3.90	| | V | | | Q
7+50	2.5030	3.90	| | V | | | Q
7+55	2.5298	3.90	| | V | | | Q
8+ 0	2.5567	3.90	| | V | | | Q
8+ 5	2.5835	3.90	| | V | | | Q
8+10	2.6104	3.90	| | V | | | Q
8+15	2.6373	3.90	| | V | | | Q
8+20	2.6641	3.90	| | V | | | Q
8+25	2.6910	3.90	| | V | | | Q
8+30	2.7178	3.90	| | V | | | Q
8+35	2.7447	3.90	| | V | | | Q
8+40	2.7716	3.90	| | V | | | Q
8+45	2.7984	3.90	| | V | | | Q
8+50	2.8253	3.90	| | V | | | Q
8+55	2.8521	3.90	| | V | | | Q
9+ 0	2.8790	3.90	| | V | | | Q
9+ 5	2.9059	3.90	| | V | | | Q
9+10	2.9327	3.90	| | V | | | Q
9+15	2.9596	3.90	| | V | | | Q
9+20	2.9864	3.90	| | V | | | Q
9+25	3.0133	3.90	| | V | | | Q
9+30	3.0401	3.90	| | V | | | Q
9+35	3.0670	3.90	| | V | | | Q
9+40	3.0939	3.90	| | V | | | Q
9+45	3.1207	3.90	| | V | | | Q
9+50	3.1476	3.90	| | V | | | Q
9+55	3.1744	3.90	| | V | | | Q

| | | |

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  20+20       6.5319      3.90  |          |          |          |  V       Q
  20+25       6.5587      3.90  |          |          |          |  V       Q
  20+30       6.5856      3.90  |          |          |          |  V       Q
  20+35       6.6125      3.90  |          |          |          |  V       Q
  20+40       6.6393      3.90  |          |          |          |   V      Q
  20+45       6.6662      3.90  |          |          |          |   V      Q
  20+50       6.6930      3.90  |          |          |          |   V      Q
  20+55       6.7199      3.90  |          |          |          |   V      Q
  21+ 0       6.7468      3.90  |          |          |          |   V      Q
  21+ 5       6.7736      3.90  |          |          |          |   V      Q
  21+10       6.8005      3.90  |          |          |          |   V      Q
  21+15       6.8273      3.90  |          |          |          |    V     Q
  21+20       6.8542      3.90  |          |          |          |    V     Q
  21+25       6.8811      3.90  |          |          |          |    V     Q
  21+30       6.9079      3.90  |          |          |          |    V     Q
  21+35       6.9348      3.90  |          |          |          |    V     Q
  21+40       6.9616      3.90  |          |          |          |    V     Q
  21+45       6.9885      3.90  |          |          |          |    V     Q
  21+50       7.0154      3.90  |          |          |          |     V    Q
  21+55       7.0422      3.90  |          |          |          |     V    Q
  22+ 0       7.0691      3.90  |          |          |          |     V    Q
  22+ 5       7.0959      3.90  |          |          |          |     V    Q
  22+10       7.1228      3.90  |          |          |          |     V    Q
  22+15       7.1497      3.90  |          |          |          |     V    Q
  22+20       7.1765      3.90  |          |          |          |     V    Q
  22+25       7.2034      3.90  |          |          |          |     V    Q
  22+30       7.2302      3.90  |          |          |          |      V   Q
  22+35       7.2571      3.90  |          |          |          |      V   Q
  22+40       7.2839      3.90  |          |          |          |      V   Q
  22+45       7.3108      3.90  |          |          |          |      V   Q
  22+50       7.3377      3.90  |          |          |          |      V   Q
  22+55       7.3645      3.90  |          |          |          |      V   Q
  23+ 0       7.3914      3.90  |          |          |          |      V   Q
  23+ 5       7.4182      3.90  |          |          |          |       V  Q
  23+10       7.4451      3.90  |          |          |          |       V  Q
  23+15       7.4720      3.90  |          |          |          |       V  Q
  23+20       7.4988      3.90  |          |          |          |       V  Q
  23+25       7.5257      3.90  |          |          |          |       V  Q
  23+30       7.5525      3.90  |          |          |          |       V  Q
  23+35       7.5794      3.90  |          |          |          |       V  Q
  23+40       7.6063      3.90  |          |          |          |        VQ
  23+45       7.6331      3.90  |          |          |          |        VQ
  23+50       7.6600      3.90  |          |          |          |        VQ
  23+55       7.6868      3.90  |          |          |          |        VQ
  24+ 0       7.7137      3.90  |          |          |          |        VQ
  24+ 5       7.7406      3.90  |          |          |          |        VQ
  24+10       7.7674      3.89  |          |          |          |        Q|
  24+15       7.7789      1.67  |          |      Q   |          |        V|
  24+20       7.7844      0.80  |        Q |          |          |        V|
  24+25       7.7868      0.35  |  Q       |          |          |        V|
  24+30       7.7879      0.16  |Q         |          |          |        V|
  24+35       7.7885      0.09  Q          |          |          |        V|
  24+40       7.7888      0.04  Q          |          |          |        V|
  24+45       7.7889      0.01  Q          |          |          |         V
--------------------------------------------------------------------------

      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =   297
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        3.900 (CFS)
                    Total volume =       7.789 (Ac.Ft)
             Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5

             Peak (CFS)      0.000     0.000    36.367   208.500     0.000
             Vol (Ac.Ft)      0.000     0.000    43.456   105.048     0.000
      ************************************************************************

      ------------------------------------------------------------------------



      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.600 to Point/Station        4.610
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ________________________________________________________________________
      From stored stream number 3 the total
      volume of      43.46 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                     Hydrograph in   5   Minute intervals (CFS)

      ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       10.1      20.1      30.2      40.3
------------------------------------------------------------------------
  0+ 5       0.0202      0.75  Q        |         |         |         |
  0+10       0.1307      4.03  q   Q    |         |         |         |
  0+15       0.3025      4.20  q   Q    |         |         |         |
  0+20       0.4104      4.31  q   Q    |         |         |         |
  0+25       0.5264      4.43  q   Q    |         |         |         |
  0+30       0.6582      4.56  q   Q    |         |         |         |
  0+35       0.7434      4.64  q   Q    |         |         |         |
  0+40       0.8031      4.70  q   Q    |         |         |         |
  0+45       0.8510      4.75  q   Q    |         |         |         |
  0+50       0.9027      4.80  q   Q    |         |         |         |
  0+55       0.9956      4.90  q   Q    |         |         |         |
  1+ 0       1.1164      5.02  |q  Q    |         |         |         |
  1+ 5       1.1885      5.09  |q   Q   |         |         |         |
  1+10       1.1920      5.09  |q   Q   |         |         |         |
  1+15       1.1520      5.05  |q   Q   |         |         |         |
  1+20       1.1413      5.04  |q   Q   |         |         |         |
  1+25       1.1440      5.04  |q   Q   |         |         |         |
  1+30       1.1514      5.05  |q   Q   |         |         |         |
  1+35       1.1625      5.06  |q   Q   |         |         |         |
  1+40       1.1767      5.08  |q   Q   |         |         |         |
  1+45       1.1928      5.09  |q   Q   |         |         |         |
  1+50       1.2183      5.12  |q   Q   |         |         |         |
  1+55       1.2862      5.19  |q   Q   |         |         |         |
  2+ 0       1.3817      5.28  |q   Q   |         |         |         |
  2+ 5       1.4380      5.34  |q   Q   |         |         |         |
  2+10       1.4744      5.37  |q   Q   |         |         |         |
  2+15       1.5026      5.40  |q   Q   |         |         |         |
  2+20       1.5254      5.43  |q   Q   |         |         |         |
  2+25       1.5445      5.44  |q   Q   |         |         |         |
  2+30       1.5612      5.46  |q   Q   |         |         |         |
  2+35       1.5871      5.49  |q   Q   |         |         |         |
  2+40       1.6571      5.56  |q   Q   |         |         |         |
  2+45       1.7558      5.66  |q   Q   |         |         |         |
  2+50       1.8157      5.72  |q   Q   |         |         |         |
  2+55       1.8555      5.76  |q   Q   |         |         |         |
  3+ 0       1.8861      5.79  |q   Q   |         |         |         |
  3+ 5       1.9100      5.81  |q   Q   |         |         |         |
  3+10       1.9287      5.83  |q   Q   |         |         |         |
```

3+15	1.9440	5.84		q Q					8+25	5.3648	9.26		q Q					
3+20	1.9580	5.86		q Q					8+30	5.4480	9.35		q Q					
3+25	1.9714	5.87		q Q					8+35	5.5329	9.43		q Q					
3+30	1.9844	5.88		q Q					8+40	5.7217	9.62		q Q					
3+35	1.9970	5.90		q Q					8+45	5.9958	9.90		q Q					
3+40	2.0092	5.91		q Q					8+50	6.2485	10.15		q Q					
3+45	2.0213	5.92		q Q					8+55	6.6827	10.58		q Q					
3+50	2.0429	5.94		q Q					9+ 0	7.2427	11.14		q	Q				
3+55	2.1081	6.01		q Q					9+ 5	7.6932	11.59		q	Q				
4+ 0	2.2016	6.10		q Q					9+10	8.4836	12.38		q	Q				
4+ 5	2.2560	6.16		q Q					9+15	9.5187	13.42		q	Q				
4+10	2.2903	6.19		q Q					9+20	10.1754	14.08		q Q					
4+15	2.3161	6.22		q Q					9+25	10.8225	14.72		q Q					
4+20	2.3461	6.25		q Q					9+30	11.5084	15.41			q Q				
4+25	2.4161	6.32		q Q					9+35	11.9818	15.88			q Q				
4+30	2.5122	6.41		q Q					9+40	12.5319	16.43			q Q				
4+35	2.5683	6.47		q Q					9+45	13.1560	17.06			q Q				
4+40	2.6039	6.50		q Q					9+50	13.5927	17.49			q Q				
4+45	2.6308	6.53		q Q					9+55	14.1245	18.02			q Q				
4+50	2.6619	6.56		q Q					10+ 0	14.7414	18.64			q Q				
4+55	2.7329	6.63		q Q					10+ 5	14.7517	18.65			q Q				
5+ 0	2.8302	6.73		q Q					10+10	13.0496	16.95			q Q				
5+ 5	2.8677	6.77		q Q					10+15	10.7881	14.69			q Q				
5+10	2.7966	6.70		q Q					10+20	10.6019	14.50			q Q				
5+15	2.6589	6.56		q Q					10+25	11.4971	15.40				q Q				
5+20	2.6029	6.50		q Q					10+30	12.8176	16.72				q Q				
5+25	2.6265	6.53		q Q					10+35	14.6213	18.52				q Q				
5+30	2.6927	6.59		q Q					10+40	17.7744	21.67				q	Q			
5+35	2.7392	6.64		q Q					10+45	21.8903	25.79					q Q			
5+40	2.8170	6.72		q Q					10+50	25.3157	29.22					q Q			
5+45	2.9194	6.82		q Q					10+55	28.6271	32.53					q	Q	
5+50	2.9785	6.88		q Q					11+ 0	32.0209	35.92						q Q	
5+55	3.0140	6.91		q Q					11+ 5	35.3267	39.23						q Q	
6+ 0	3.0387	6.94		q Q					11+10	36.3667	40.27						q Q	
6+ 5	3.0672	6.97		q Q					11+15	36.3667	40.27						q Q	
6+10	3.1356	7.04		q Q					11+20	36.3667	40.27						q Q	
6+15	3.2296	7.13		q Q					11+25	36.3667	40.27						q Q	
6+20	3.2830	7.18		q Q					11+30	36.3667	40.27						q Q	
6+25	3.3156	7.22		q Q					11+35	36.3667	40.27						q Q	
6+30	3.3395	7.24		q Q					11+40	36.3667	40.27						q Q	
6+35	3.3677	7.27		q Q					11+45	36.3667	40.27						q Q	
6+40	3.4360	7.34		q Q					11+50	36.3667	40.27						q Q	
6+45	3.5307	7.43		q Q					11+55	36.3667	40.27						q Q	
6+50	3.5856	7.49		q Q					12+ 0	36.3667	40.27						q Q	
6+55	3.6203	7.52		q Q					12+ 5	36.3667	40.27						q Q	
7+ 0	3.6463	7.55		q Q					12+10	36.3667	40.27						q Q	
7+ 5	3.6668	7.57		q Q					12+15	36.3667	40.27						q Q	
7+10	3.6831	7.58		q Q					12+20	36.3667	40.27						q Q	
7+15	3.6977	7.60		q Q					12+25	36.3667	40.27						q Q	
7+20	3.7225	7.62		q Q					12+30	36.3667	40.27						q Q	
7+25	3.7921	7.69		q Q					12+35	36.3667	40.27						q Q	
7+30	3.8905	7.79		q Q					12+40	36.3667	40.27						q Q	
7+35	3.9596	7.86		q Q					12+45	36.3667	40.27						q Q	
7+40	4.0526	7.95		q Q					12+50	36.3667	40.27						q Q	
7+45	4.1658	8.07		q Q					12+55	36.3667	40.27						q Q	
7+50	4.2428	8.14		q Q					13+ 0	36.3667	40.27						q Q	
7+55	4.3380	8.24		q Q					13+ 5	36.3667	40.27						q Q	
8+ 0	4.4508	8.35		q Q					13+10	36.3667	40.27						q Q	
8+ 5	4.5515	8.45		q Q					13+15	36.3667	40.27						q Q	
8+10	4.7566	8.66		q Q					13+20	36.3667	40.27						q Q	
8+15	5.0427	8.94		q Q					13+25	36.3667	40.27						q Q	
8+20	5.2393	9.14		q Q					13+30	36.3667	40.27						q Q	

13+35	36.3667	40.27	|	|	|	|	q	Q	18+45	36.3667	40.27	|	|	|	|	q	Q
13+40	36.3667	40.27	|	|	|	|	q	Q	18+50	36.3667	40.27	|	|	|	|	q	Q
13+45	36.3667	40.27	|	|	|	|	q	Q	18+55	36.3667	40.27	|	|	|	|	q	Q
13+50	36.3667	40.27	|	|	|	|	q	Q	19+ 0	36.3667	40.27	|	|	|	|	q	Q
13+55	36.3667	40.27	|	|	|	|	q	Q	19+ 5	36.3667	40.27	|	|	|	|	q	Q
14+ 0	36.3667	40.27	|	|	|	|	q	Q	19+10	36.3667	40.27	|	|	|	|	q	Q
14+ 5	36.3667	40.27	|	|	|	|	q	Q	19+15	36.3667	40.27	|	|	|	|	q	Q
14+10	36.3667	40.27	|	|	|	|	q	Q	19+20	36.3667	40.27	|	|	|	|	q	Q
14+15	36.3667	40.27	|	|	|	|	q	Q	19+25	36.3667	40.27	|	|	|	|	q	Q
14+20	36.3667	40.27	|	|	|	|	q	Q	19+30	36.3667	40.27	|	|	|	|	q	Q
14+25	36.3667	40.27	|	|	|	|	q	Q	19+35	36.3667	40.27	|	|	|	|	q	Q
14+30	36.3667	40.27	|	|	|	|	q	Q	19+40	36.3667	40.27	|	|	|	|	q	Q
14+35	36.3667	40.27	|	|	|	|	q	Q	19+45	36.3667	40.27	|	|	|	|	q	Q
14+40	36.3667	40.27	|	|	|	|	q	Q	19+50	36.3667	40.27	|	|	|	|	q	Q
14+45	36.3667	40.27	|	|	|	|	q	Q	19+55	36.3667	40.27	|	|	|	|	q	Q
14+50	36.3667	40.27	|	|	|	|	q	Q	20+ 0	36.3667	40.27	|	|	|	|	q	Q
14+55	36.3667	40.27	|	|	|	|	q	Q	20+ 5	36.3667	40.27	|	|	|	|	q	Q
15+ 0	36.3667	40.27	|	|	|	|	q	Q	20+10	36.3667	40.27	|	|	|	|	q	Q
15+ 5	36.3667	40.27	|	|	|	|	q	Q	20+15	36.3667	40.27	|	|	|	|	q	Q
15+10	36.3667	40.27	|	|	|	|	q	Q	20+20	36.3667	40.27	|	|	|	|	q	Q
15+15	36.3667	40.27	|	|	|	|	q	Q	20+25	36.3667	40.27	|	|	|	|	q	Q
15+20	36.3667	40.27	|	|	|	|	q	Q	20+30	36.3667	40.27	|	|	|	|	q	Q
15+25	36.3667	40.27	|	|	|	|	q	Q	20+35	36.3667	40.27	|	|	|	|	q	Q
15+30	36.3667	40.27	|	|	|	|	q	Q	20+40	36.3667	40.27	|	|	|	|	q	Q
15+35	36.3667	40.27	|	|	|	|	q	Q	20+45	36.3667	40.27	|	|	|	|	q	Q
15+40	36.3667	40.27	|	|	|	|	q	Q	20+50	36.3667	40.27	|	|	|	|	q	Q
15+45	36.3667	40.27	|	|	|	|	q	Q	20+55	36.3667	40.27	|	|	|	|	q	Q
15+50	36.3667	40.27	|	|	|	|	q	Q	21+ 0	36.3667	40.27	|	|	|	|	q	Q
15+55	36.3667	40.27	|	|	|	|	q	Q	21+ 5	36.3667	40.27	|	|	|	|	q	Q
16+ 0	36.3667	40.27	|	|	|	|	q	Q	21+10	36.3667	40.27	|	|	|	|	q	Q
16+ 5	36.3667	40.27	|	|	|	|	q	Q	21+15	36.3667	40.27	|	|	|	|	q	Q
16+10	36.3667	40.27	|	|	|	|	q	Q	21+20	36.3667	40.27	|	|	|	|	q	Q
16+15	36.3667	40.27	|	|	|	|	q	Q	21+25	36.3667	40.27	|	|	|	|	q	Q
16+20	36.3667	40.27	|	|	|	|	q	Q	21+30	36.3667	40.27	|	|	|	|	q	Q
16+25	36.3667	40.27	|	|	|	|	q	Q	21+35	36.3667	40.27	|	|	|	|	q	Q
16+30	36.3667	40.27	|	|	|	|	q	Q	21+40	36.3667	40.27	|	|	|	|	q	Q
16+35	36.3667	40.27	|	|	|	|	q	Q	21+45	36.3667	40.27	|	|	|	|	q	Q
16+40	36.3667	40.27	|	|	|	|	q	Q	21+50	36.3667	40.27	|	|	|	|	q	Q
16+45	36.3667	40.27	|	|	|	|	q	Q	21+55	36.3667	40.27	|	|	|	|	q	Q
16+50	36.3667	40.27	|	|	|	|	q	Q	22+ 0	36.3667	40.27	|	|	|	|	q	Q
16+55	36.3667	40.27	|	|	|	|	q	Q	22+ 5	36.3667	40.27	|	|	|	|	q	Q
17+ 0	36.3667	40.27	|	|	|	|	q	Q	22+10	36.3667	40.27	|	|	|	|	q	Q
17+ 5	36.3667	40.27	|	|	|	|	q	Q	22+15	36.3667	40.27	|	|	|	|	q	Q
17+10	36.3667	40.27	|	|	|	|	q	Q	22+20	36.3667	40.27	|	|	|	|	q	Q
17+15	36.3667	40.27	|	|	|	|	q	Q	22+25	36.3667	40.27	|	|	|	|	q	Q
17+20	36.3667	40.27	|	|	|	|	q	Q	22+30	36.3667	40.27	|	|	|	|	q	Q
17+25	36.3667	40.27	|	|	|	|	q	Q	22+35	36.3667	40.27	|	|	|	|	q	Q
17+30	36.3667	40.27	|	|	|	|	q	Q	22+40	36.3667	40.27	|	|	|	|	q	Q
17+35	36.3667	40.27	|	|	|	|	q	Q	22+45	36.3667	40.27	|	|	|	|	q	Q
17+40	36.3667	40.27	|	|	|	|	q	Q	22+50	36.3667	40.27	|	|	|	|	q	Q
17+45	36.3667	40.27	|	|	|	|	q	Q	22+55	36.3667	40.27	|	|	|	|	q	Q
17+50	36.3667	40.27	|	|	|	|	q	Q	23+ 0	36.3667	40.27	|	|	|	|	q	Q
17+55	36.3667	40.27	|	|	|	|	q	Q	23+ 5	36.3667	40.27	|	|	|	|	q	Q
18+ 0	36.3667	40.27	|	|	|	|	q	Q	23+10	36.3667	40.27	|	|	|	|	q	Q
18+ 5	36.3667	40.27	|	|	|	|	q	Q	23+15	36.3667	40.27	|	|	|	|	q	Q
18+10	36.3667	40.27	|	|	|	|	q	Q	23+20	36.3667	40.27	|	|	|	|	q	Q
18+15	36.3667	40.27	|	|	|	|	q	Q	23+25	36.3667	40.27	|	|	|	|	q	Q
18+20	36.3667	40.27	|	|	|	|	q	Q	23+30	36.3667	40.27	|	|	|	|	q	Q
18+25	36.3667	40.27	|	|	|	|	q	Q	23+35	36.3667	40.27	|	|	|	|	q	Q
18+30	36.3667	40.27	|	|	|	|	q	Q	23+40	36.3667	40.27	|	|	|	|	q	Q
18+35	36.3667	40.27	|	|	|	|	q	Q	23+45	36.3667	40.27	|	|	|	|	q	Q
18+40	36.3667	40.27	|	|	|	|	q	Q	23+50	36.3667	40.27	|	|	|	|	q	Q

```
23+55      36.3667     40.27  |          |          |          |     q   Q
24+ 0      36.3667     40.27  |          |          |          |     q   Q
24+ 5       0.0000      3.90  q  Q       |          |          |         |
24+10       0.0000      3.89  q  Q       |          |          |         |
24+15       0.0000      1.67  qQ         |          |          |         |
24+20       0.0000      0.80  Q          |          |          |         |
24+25       0.0000      0.35  Q          |          |          |         |
24+30       0.0000      0.16  Q          |          |          |         |
24+35       0.0000      0.09  Q          |          |          |         |
24+40       0.0000      0.04  Q          |          |          |         |
24+45       0.0000      0.01  Q          |          |          |         |
24+50       0.0000      0.00  Q          |          |          |         |
24+55       0.0000      0.00  Q          |          |          |         |
25+ 0       0.0000      0.00  Q          |          |          |         |
25+ 5       0.0000      0.00  Q          |          |          |         |
25+10       0.0000      0.00  Q          |          |          |         |
25+15       0.0000      0.00  Q          |          |          |         |
25+20       0.0000      0.00  Q          |          |          |         |
25+25       0.0000      0.00  Q          |          |          |         |
25+30       0.0000      0.00  Q          |          |          |         |
25+35       0.0000      0.00  Q          |          |          |         |
25+40       0.0000      0.00  Q          |          |          |         |
25+45       0.0000      0.00  Q          |          |          |         |
25+50       0.0000      0.00  Q          |          |          |         |
25+55       0.0000      0.00  Q          |          |          |         |
26+ 0       0.0000      0.00  Q          |          |          |         |
26+ 5       0.0000      0.00  Q          |          |          |         |
26+10       0.0000      0.00  Q          |          |          |         |
26+15       0.0000      0.00  Q          |          |          |         |
26+20       0.0000      0.00  Q          |          |          |         |
26+25       0.0000      0.00  Q          |          |          |         |
26+30       0.0000      0.00  Q          |          |          |         |
26+35       0.0000      0.00  Q          |          |          |         |
26+40       0.0000      0.00  Q          |          |          |         |
26+45       0.0000      0.00  Q          |          |          |         |
26+50       0.0000      0.00  Q          |          |          |         |
26+55       0.0000      0.00  Q          |          |          |         |
27+ 0       0.0000      0.00  Q          |          |          |         |
27+ 5       0.0000      0.00  Q          |          |          |         |
27+10       0.0000      0.00  Q          |          |          |         |
27+15       0.0000      0.00  Q          |          |          |         |
27+20       0.0000      0.00  Q          |          |          |         |
27+25       0.0000      0.00  Q          |          |          |         |
27+30       0.0000      0.00  Q          |          |          |         |
27+35       0.0000      0.00  Q          |          |          |         |
27+40       0.0000      0.00  Q          |          |          |         |
27+45       0.0000      0.00  Q          |          |          |         |
27+50       0.0000      0.00  Q          |          |          |         |
27+55       0.0000      0.00  Q          |          |          |         |
28+ 0       0.0000      0.00  Q          |          |          |         |
28+ 5       0.0000      0.00  Q          |          |          |         |
28+10       0.0000      0.00  Q          |          |          |         |
28+15       0.0000      0.00  Q          |          |          |         |
28+20       0.0000      0.00  Q          |          |          |         |
28+25       0.0000      0.00  Q          |          |          |         |
28+30       0.0000      0.00  Q          |          |          |         |
28+35       0.0000      0.00  Q          |          |          |         |
28+40       0.0000      0.00  Q          |          |          |         |
28+45       0.0000      0.00  Q          |          |          |         |
28+50       0.0000      0.00  Q          |          |          |         |
28+55       0.0000      0.00  Q          |          |          |         |
29+ 0       0.0000      0.00  Q          |          |          |         |
29+ 5       0.0000      0.00  Q          |          |          |         |
29+10       0.0000      0.00  Q          |          |          |         |
29+15       0.0000      0.00  Q          |          |          |         |
29+20       0.0000      0.00  Q          |          |          |         |
29+25       0.0000      0.00  Q          |          |          |         |
29+30       0.0000      0.00  Q          |          |          |         |
29+35       0.0000      0.00  Q          |          |          |         |
29+40       0.0000      0.00  Q          |          |          |         |
29+45       0.0000      0.00  Q          |          |          |         |
29+50       0.0000      0.00  Q          |          |          |         |
29+55       0.0000      0.00  Q          |          |          |         |
30+ 0       0.0000      0.00  Q          |          |          |         |
30+ 5       0.0000      0.00  Q          |          |          |         |
30+10       0.0000      0.00  Q          |          |          |         |
30+15       0.0000      0.00  Q          |          |          |         |
30+20       0.0000      0.00  Q          |          |          |         |
30+25       0.0000      0.00  Q          |          |          |         |
30+30       0.0000      0.00  Q          |          |          |         |
30+35       0.0000      0.00  Q          |          |          |         |
30+40       0.0000      0.00  Q          |          |          |         |
30+45       0.0000      0.00  Q          |          |          |         |
30+50       0.0000      0.00  Q          |          |          |         |
30+55       0.0000      0.00  Q          |          |          |         |
31+ 0       0.0000      0.00  Q          |          |          |         |
31+ 5       0.0000      0.00  Q          |          |          |         |
31+10       0.0000      0.00  Q          |          |          |         |
31+15       0.0000      0.00  Q          |          |          |         |
31+20       0.0000      0.00  Q          |          |          |         |
31+25       0.0000      0.00  Q          |          |          |         |
31+30       0.0000      0.00  Q          |          |          |         |
31+35       0.0000      0.00  Q          |          |          |         |
31+40       0.0000      0.00  Q          |          |          |         |
31+45       0.0000      0.00  Q          |          |          |         |
31+50       0.0000      0.00  Q          |          |          |         |
31+55       0.0000      0.00  Q          |          |          |         |
32+ 0       0.0000      0.00  Q          |          |          |         |
32+ 5       0.0000      0.00  Q          |          |          |         |
32+10       0.0000      0.00  Q          |          |          |         |
32+15       0.0000      0.00  Q          |          |          |         |
32+20       0.0000      0.00  Q          |          |          |         |
-------------------------------------------------------------------------

      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =   388
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       40.267 (CFS)
                    Total volume =      51.244 (Ac.Ft)
          Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000     0.000   208.500     0.000
          Vol (Ac.Ft)     0.000     0.000     0.000   105.048     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.610 to Point/Station        4.800
      **** STREAM ROUTING SCS CONVEX METHOD ****
      _____________________________________________________________________
      HYDROGRAPH STREAM ROUTING DATA:
      Length of stream =     54.00 (Ft.)
      Elevation difference =    2.00 (Ft.)
```

```
      Slope of channel =  0.037037 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =    54.00(Ft.)   Elevation difference =   2.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =    25.798(CFS)
      Nearest computed pipe diameter  =     21.00(In.)
      Calculated individual pipe flow  =    25.798(CFS)
      Normal flow depth in pipe =   14.81(In.)
      Flow top width inside pipe =   19.15(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =     14.22(Ft/s)
      Travel time through pipe =    0.06 min.


      Pipe length  =    54.00(Ft.)   Elevation difference =   2.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =    40.267(CFS)
      Nearest computed pipe diameter  =     24.00(In.)
      Calculated individual pipe flow  =    40.267(CFS)
      Normal flow depth in pipe =   18.23(In.)
      Flow top width inside pipe =   20.51(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =     15.73(Ft/s)
      Travel time through pipe =    0.06 min.


      ********************** SCS CONVEX CHANNEL ROUTING *********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.9025   Travel time =   0.06 (min.)
              dt*(unit time interval) =   5.00(min.),  e=  64.9012
              dt(routing time-step) =   0.05 (min.),   c* =   1.0000

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T  O F  S T O R M
                    R u n o f f     H y d r o g r a p h
      ----------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals (CFS)

      ----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       10.1      20.1      30.2      40.3
-------------------------------------------------------------------------
  0+ 5       0.7419      0.75  O         |         |         |         |
  0+10       3.9969      4.03  |  OI     |         |         |         |
  0+15       4.2007      4.20  |   O     |         |         |         |
  0+20       4.3093      4.31  |   O     |         |         |         |
  0+25       4.4252      4.43  |   O     |         |         |         |
  0+30       4.5568      4.56  |   O     |         |         |         |
  0+35       4.6425      4.64  |   O     |         |         |         |
  0+40       4.7025      4.70  |   O     |         |         |         |
  0+45       4.7505      4.75  |   O     |         |         |         |
  0+50       4.8021      4.80  |   O     |         |         |         |
  0+55       4.8946      4.90  |   O     |         |         |         |
  1+ 0       5.0152      5.02  |   O     |         |         |         |
  1+ 5       5.0877      5.09  |    O    |         |         |         |
  1+10       5.0920      5.09  |    O    |         |         |         |
  1+15       5.0525      5.05  |    O    |         |         |         |
  1+20       5.0414      5.04  |    O    |         |         |         |
  1+25       5.0440      5.04  |    O    |         |         |         |
  1+30       5.0513      5.05  |    O    |         |         |         |
  1+35       5.0624      5.06  |    O    |         |         |         |
  1+40       5.0765      5.08  |    O    |         |         |         |
  1+45       5.0926      5.09  |    O    |         |         |         |
  1+50       5.1181      5.12  |    O    |         |         |         |
  1+55       5.1855      5.19  |    O    |         |         |         |
  2+ 0       5.2807      5.28  |    O    |         |         |         |
  2+ 5       5.3374      5.34  |    O    |         |         |         |
  2+10       5.3740      5.37  |    O    |         |         |         |
  2+15       5.4023      5.40  |    O    |         |         |         |
  2+20       5.4252      5.43  |    O    |         |         |         |
  2+25       5.4443      5.44  |    O    |         |         |         |
  2+30       5.4610      5.46  |    O    |         |         |         |
  2+35       5.4868      5.49  |    O    |         |         |         |
  2+40       5.5563      5.56  |    O    |         |         |         |
  2+45       5.6548      5.66  |    O    |         |         |         |
  2+50       5.7151      5.72  |    O    |         |         |         |
  2+55       5.7551      5.76  |    O    |         |         |         |
  3+ 0       5.7858      5.79  |    O    |         |         |         |
  3+ 5       5.8097      5.81  |    O    |         |         |         |
  3+10       5.8285      5.83  |    O    |         |         |         |
  3+15       5.8439      5.84  |    O    |         |         |         |
  3+20       5.8578      5.86  |    O    |         |         |         |
  3+25       5.8712      5.87  |    O    |         |         |         |
  3+30       5.8842      5.88  |    O    |         |         |         |
  3+35       5.8969      5.90  |    O    |         |         |         |
  3+40       5.9091      5.91  |    O    |         |         |         |
  3+45       5.9212      5.92  |    O    |         |         |         |
  3+50       5.9427      5.94  |    O    |         |         |         |
  3+55       6.0074      6.01  |    O    |         |         |         |
  4+ 0       6.1006      6.10  |     O   |         |         |         |
  4+ 5       6.1554      6.16  |     O   |         |         |         |
  4+10       6.1900      6.19  |     O   |         |         |         |
  4+15       6.2158      6.22  |     O   |         |         |         |
  4+20       6.2457      6.25  |     O   |         |         |         |
  4+25       6.3154      6.32  |     O   |         |         |         |
  4+30       6.4112      6.41  |     O   |         |         |         |
  4+35       6.4677      6.47  |     O   |         |         |         |
  4+40       6.5035      6.50  |     O   |         |         |         |
  4+45       6.5305      6.53  |     O   |         |         |         |
  4+50       6.5616      6.56  |     O   |         |         |         |
  4+55       6.6322      6.63  |     O   |         |         |         |
  5+ 0       6.7292      6.73  |     O   |         |         |         |
  5+ 5       6.7673      6.77  |     O   |         |         |         |
  5+10       6.6973      6.70  |     O   |         |         |         |
  5+15       6.5603      6.56  |     O   |         |         |         |
  5+20       6.5035      6.50  |     O   |         |         |         |
  5+25       6.5263      6.53  |     O   |         |         |         |
  5+30       6.5920      6.59  |     O   |         |         |         |
  5+35       6.6388      6.64  |     O   |         |         |         |
  5+40       6.7162      6.72  |     O   |         |         |         |
  5+45       6.8183      6.82  |     O   |         |         |         |
  5+50       6.8779      6.88  |     O   |         |         |         |
  5+55       6.9136      6.91  |     O   |         |         |         |
  6+ 0       6.9385      6.94  |     O   |         |         |         |
  6+ 5       6.9669      6.97  |     O   |         |         |         |
```

6+10	7.0349	7.04		O						11+20	40.2667	40.27							O
6+15	7.1286	7.13		O						11+25	40.2667	40.27							O
6+20	7.1824	7.18		O						11+30	40.2667	40.27							O
6+25	7.2153	7.22		O						11+35	40.2667	40.27							O
6+30	7.2393	7.24		O						11+40	40.2667	40.27							O
6+35	7.2674	7.27		O						11+45	40.2667	40.27							O
6+40	7.3353	7.34		O						11+50	40.2667	40.27							O
6+45	7.4297	7.43		O						11+55	40.2667	40.27							O
6+50	7.4850	7.49		O						12+ 0	40.2667	40.27							O
6+55	7.5199	7.52		O						12+ 5	40.2667	40.27							O
7+ 0	7.5461	7.55		O						12+10	40.2667	40.27							O
7+ 5	7.5666	7.57		O						12+15	40.2667	40.27							O
7+10	7.5829	7.58		O						12+20	40.2667	40.27							O
7+15	7.5975	7.60		O						12+25	40.2667	40.27							O
7+20	7.6222	7.62		O						12+30	40.2667	40.27							O
7+25	7.6913	7.69		O						12+35	40.2667	40.27							O
7+30	7.7894	7.79		O						12+40	40.2667	40.27							O
7+35	7.8589	7.86		O						12+45	40.2667	40.27							O
7+40	7.9517	7.95		O						12+50	40.2667	40.27							O
7+45	8.0646	8.07		O						12+55	40.2667	40.27							O
7+50	8.1420	8.14		O						13+ 0	40.2667	40.27							O
7+55	8.2370	8.24		O						13+ 5	40.2667	40.27							O
8+ 0	8.3496	8.35		O						13+10	40.2667	40.27							O
8+ 5	8.4505	8.45		O						13+15	40.2667	40.27							O
8+10	8.6545	8.66		O						13+20	40.2667	40.27							O
8+15	8.9398	8.94		O						13+25	40.2667	40.27							O
8+20	9.1373	9.14		O						13+30	40.2667	40.27							O
8+25	9.2635	9.26		O						13+35	40.2667	40.27							O
8+30	9.3471	9.35		O						13+40	40.2667	40.27							O
8+35	9.4321	9.43		O						13+45	40.2667	40.27							O
8+40	9.6198	9.62		O						13+50	40.2667	40.27							O
8+45	9.8930	9.90		O						13+55	40.2667	40.27							O
8+50	10.1459	10.15		O						14+ 0	40.2667	40.27							O
8+55	10.5782	10.58		O						14+ 5	40.2667	40.27							O
9+ 0	11.1369	11.14		O						14+10	40.2667	40.27							O
9+ 5	11.5885	11.59		O						14+15	40.2667	40.27							O
9+10	12.3754	12.38		O						14+20	40.2667	40.27							O
9+15	13.4080	13.42		O						14+25	40.2667	40.27							O
9+20	14.0687	14.08		O						14+30	40.2667	40.27							O
9+25	14.7158	14.72		O						14+35	40.2667	40.27							O
9+30	15.4014	15.41		O						14+40	40.2667	40.27							O
9+35	15.8769	15.88		O						14+45	40.2667	40.27							O
9+40	16.4262	16.43		O						14+50	40.2667	40.27							O
9+45	17.0496	17.06		O						14+55	40.2667	40.27							O
9+50	17.4882	17.49		O						15+ 0	40.2667	40.27							O
9+55	18.0190	18.02		O						15+ 5	40.2667	40.27							O
10+ 0	18.6350	18.64		O						15+10	40.2667	40.27							O
10+ 5	18.6516	18.65		O						15+15	40.2667	40.27							O
10+10	16.9672	16.95		O						15+20	40.2667	40.27							O
10+15	14.7114	14.69		O						15+25	40.2667	40.27							O
10+20	14.5039	14.50		O						15+30	40.2667	40.27							O
10+25	15.3878	15.40		O						15+35	40.2667	40.27							O
10+30	16.7040	16.72		O						15+40	40.2667	40.27							O
10+35	18.5027	18.52		O						15+45	40.2667	40.27							O
10+40	21.6418	21.67		O						15+50	40.2667	40.27							O
10+45	25.7478	25.79		O						15+55	40.2667	40.27							O
10+50	29.1803	29.22		O						16+ 0	40.2667	40.27							O
10+55	32.4929	32.53		O						16+ 5	40.2667	40.27							O
11+ 0	35.8859	35.92		O						16+10	40.2667	40.27							O
11+ 5	39.1925	39.23		O						16+15	40.2667	40.27							O
11+10	40.2560	40.27		O						16+20	40.2667	40.27							O
11+15	40.2667	40.27		O						16+25	40.2667	40.27							O

16+30	40.2667	40.27	|	|	|	|	O	21+40	40.2667	40.27	|	|	|	|	O
16+35	40.2667	40.27	|	|	|	|	O	21+45	40.2667	40.27	|	|	|	|	O
16+40	40.2667	40.27	|	|	|	|	O	21+50	40.2667	40.27	|	|	|	|	O
16+45	40.2667	40.27	|	|	|	|	O	21+55	40.2667	40.27	|	|	|	|	O
16+50	40.2667	40.27	|	|	|	|	O	22+ 0	40.2667	40.27	|	|	|	|	O
16+55	40.2667	40.27	|	|	|	|	O	22+ 5	40.2667	40.27	|	|	|	|	O
17+ 0	40.2667	40.27	|	|	|	|	O	22+10	40.2667	40.27	|	|	|	|	O
17+ 5	40.2667	40.27	|	|	|	|	O	22+15	40.2667	40.27	|	|	|	|	O
17+10	40.2667	40.27	|	|	|	|	O	22+20	40.2667	40.27	|	|	|	|	O
17+15	40.2667	40.27	|	|	|	|	O	22+25	40.2667	40.27	|	|	|	|	O
17+20	40.2667	40.27	|	|	|	|	O	22+30	40.2667	40.27	|	|	|	|	O
17+25	40.2667	40.27	|	|	|	|	O	22+35	40.2667	40.27	|	|	|	|	O
17+30	40.2667	40.27	|	|	|	|	O	22+40	40.2667	40.27	|	|	|	|	O
17+35	40.2667	40.27	|	|	|	|	O	22+45	40.2667	40.27	|	|	|	|	O
17+40	40.2667	40.27	|	|	|	|	O	22+50	40.2667	40.27	|	|	|	|	O
17+45	40.2667	40.27	|	|	|	|	O	22+55	40.2667	40.27	|	|	|	|	O
17+50	40.2667	40.27	|	|	|	|	O	23+ 0	40.2667	40.27	|	|	|	|	O
17+55	40.2667	40.27	|	|	|	|	O	23+ 5	40.2667	40.27	|	|	|	|	O
18+ 0	40.2667	40.27	|	|	|	|	O	23+10	40.2667	40.27	|	|	|	|	O
18+ 5	40.2667	40.27	|	|	|	|	O	23+15	40.2667	40.27	|	|	|	|	O
18+10	40.2667	40.27	|	|	|	|	O	23+20	40.2667	40.27	|	|	|	|	O
18+15	40.2667	40.27	|	|	|	|	O	23+25	40.2667	40.27	|	|	|	|	O
18+20	40.2667	40.27	|	|	|	|	O	23+30	40.2667	40.27	|	|	|	|	O
18+25	40.2667	40.27	|	|	|	|	O	23+35	40.2667	40.27	|	|	|	|	O
18+30	40.2667	40.27	|	|	|	|	O	23+40	40.2667	40.27	|	|	|	|	O
18+35	40.2667	40.27	|	|	|	|	O	23+45	40.2667	40.27	|	|	|	|	O
18+40	40.2667	40.27	|	|	|	|	O	23+50	40.2667	40.27	|	|	|	|	O
18+45	40.2667	40.27	|	|	|	|	O	23+55	40.2667	40.27	|	|	|	|	O
18+50	40.2667	40.27	|	|	|	|	O	24+ 0	40.2667	40.27	|	|	|	|	O
18+55	40.2667	40.27	|	|	|	|	O	24+ 5	4.2755	3.90	| IO	|	|	|	|
19+ 0	40.2667	40.27	|	|	|	|	O	24+10	3.8945	3.89	| O	|	|	|	|
19+ 5	40.2667	40.27	|	|	|	|	O	24+15	1.6943	1.67	|O	|	|	|	|
19+10	40.2667	40.27	|	|	|	|	O	24+20	0.8101	0.80	O	|	|	|	|
19+15	40.2667	40.27	|	|	|	|	O	24+25	0.3544	0.35	O	|	|	|	|
19+20	40.2667	40.27	|	|	|	|	O	24+30	0.1605	0.16	O	|	|	|	|
19+25	40.2667	40.27	|	|	|	|	O	24+35	0.0896	0.09	O	|	|	|	|
19+30	40.2667	40.27	|	|	|	|	O	24+40	0.0419	0.04	O	|	|	|	|
19+35	40.2667	40.27	|	|	|	|	O	24+45	0.0093	0.01	O	|	|	|	|
19+40	40.2667	40.27	|	|	|	|	O	24+50	0.0001	0.00	O	|	|	|	|
19+45	40.2667	40.27	|	|	|	|	O	24+55	0.0000	0.00	O	|	|	|	|
19+50	40.2667	40.27	|	|	|	|	O	25+ 0	0.0000	0.00	O	|	|	|	|
19+55	40.2667	40.27	|	|	|	|	O	25+ 5	0.0000	0.00	O	|	|	|	|
20+ 0	40.2667	40.27	|	|	|	|	O	25+10	0.0000	0.00	O	|	|	|	|
20+ 5	40.2667	40.27	|	|	|	|	O	25+15	0.0000	0.00	O	|	|	|	|
20+10	40.2667	40.27	|	|	|	|	O	25+20	0.0000	0.00	O	|	|	|	|
20+15	40.2667	40.27	|	|	|	|	O	25+25	0.0000	0.00	O	|	|	|	|
20+20	40.2667	40.27	|	|	|	|	O	25+30	0.0000	0.00	O	|	|	|	|
20+25	40.2667	40.27	|	|	|	|	O	25+35	0.0000	0.00	O	|	|	|	|
20+30	40.2667	40.27	|	|	|	|	O	25+40	0.0000	0.00	O	|	|	|	|
20+35	40.2667	40.27	|	|	|	|	O	25+45	0.0000	0.00	O	|	|	|	|
20+40	40.2667	40.27	|	|	|	|	O	25+50	0.0000	0.00	O	|	|	|	|
20+45	40.2667	40.27	|	|	|	|	O	25+55	0.0000	0.00	O	|	|	|	|
20+50	40.2667	40.27	|	|	|	|	O	26+ 0	0.0000	0.00	O	|	|	|	|
20+55	40.2667	40.27	|	|	|	|	O	26+ 5	0.0000	0.00	O	|	|	|	|
21+ 0	40.2667	40.27	|	|	|	|	O	26+10	0.0000	0.00	O	|	|	|	|
21+ 5	40.2667	40.27	|	|	|	|	O	26+15	0.0000	0.00	O	|	|	|	|
21+10	40.2667	40.27	|	|	|	|	O	26+20	0.0000	0.00	O	|	|	|	|
21+15	40.2667	40.27	|	|	|	|	O	26+25	0.0000	0.00	O	|	|	|	|
21+20	40.2667	40.27	|	|	|	|	O	26+30	0.0000	0.00	O	|	|	|	|
21+25	40.2667	40.27	|	|	|	|	O	26+35	0.0000	0.00	O	|	|	|	|
21+30	40.2667	40.27	|	|	|	|	O	26+40	0.0000	0.00	O	|	|	|	|
21+35	40.2667	40.27	|	|	|	|	O	26+45	0.0000	0.00	O	|	|	|	|

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26+50       0.0000      0.00  O         |         |         |         |
26+55       0.0000      0.00  O         |         |         |         |
27+ 0       0.0000      0.00  O         |         |         |         |
27+ 5       0.0000      0.00  O         |         |         |         |
27+10       0.0000      0.00  O         |         |         |         |
27+15       0.0000      0.00  O         |         |         |         |
27+20       0.0000      0.00  O         |         |         |         |
27+25       0.0000      0.00  O         |         |         |         |
27+30       0.0000      0.00  O         |         |         |         |
27+35       0.0000      0.00  O         |         |         |         |
27+40       0.0000      0.00  O         |         |         |         |
27+45       0.0000      0.00  O         |         |         |         |
27+50       0.0000      0.00  O         |         |         |         |
27+55       0.0000      0.00  O         |         |         |         |
28+ 0       0.0000      0.00  O         |         |         |         |
28+ 5       0.0000      0.00  O         |         |         |         |
28+10       0.0000      0.00  O         |         |         |         |
28+15       0.0000      0.00  O         |         |         |         |
28+20       0.0000      0.00  O         |         |         |         |
28+25       0.0000      0.00  O         |         |         |         |
28+30       0.0000      0.00  O         |         |         |         |
28+35       0.0000      0.00  O         |         |         |         |
28+40       0.0000      0.00  O         |         |         |         |
28+45       0.0000      0.00  O         |         |         |         |
28+50       0.0000      0.00  O         |         |         |         |
28+55       0.0000      0.00  O         |         |         |         |
29+ 0       0.0000      0.00  O         |         |         |         |
29+ 5       0.0000      0.00  O         |         |         |         |
29+10       0.0000      0.00  O         |         |         |         |
29+15       0.0000      0.00  O         |         |         |         |
29+20       0.0000      0.00  O         |         |         |         |
29+25       0.0000      0.00  O         |         |         |         |
29+30       0.0000      0.00  O         |         |         |         |
29+35       0.0000      0.00  O         |         |         |         |
29+40       0.0000      0.00  O         |         |         |         |
29+45       0.0000      0.00  O         |         |         |         |
29+50       0.0000      0.00  O         |         |         |         |
29+55       0.0000      0.00  O         |         |         |         |
30+ 0       0.0000      0.00  O         |         |         |         |
30+ 5       0.0000      0.00  O         |         |         |         |
30+10       0.0000      0.00  O         |         |         |         |
30+15       0.0000      0.00  O         |         |         |         |
30+20       0.0000      0.00  O         |         |         |         |
30+25       0.0000      0.00  O         |         |         |         |
30+30       0.0000      0.00  O         |         |         |         |
30+35       0.0000      0.00  O         |         |         |         |
30+40       0.0000      0.00  O         |         |         |         |
30+45       0.0000      0.00  O         |         |         |         |
30+50       0.0000      0.00  O         |         |         |         |
30+55       0.0000      0.00  O         |         |         |         |
31+ 0       0.0000      0.00  O         |         |         |         |
31+ 5       0.0000      0.00  O         |         |         |         |
31+10       0.0000      0.00  O         |         |         |         |
31+15       0.0000      0.00  O         |         |         |         |
31+20       0.0000      0.00  O         |         |         |         |
31+25       0.0000      0.00  O         |         |         |         |
31+30       0.0000      0.00  O         |         |         |         |
31+35       0.0000      0.00  O         |         |         |         |
31+40       0.0000      0.00  O         |         |         |         |
31+45       0.0000      0.00  O         |         |         |         |
31+50       0.0000      0.00  O         |         |         |         |
31+55       0.0000      0.00  O         |         |         |         |
32+ 0       0.0000      0.00  O         |         |         |         |
32+ 5       0.0000      0.00  O         |         |         |         |
32+10       0.0000      0.00  O         |         |         |         |
32+15       0.0000      0.00  O         |         |         |         |
32+20       0.0000      0.00  O         |         |         |         |
32+25       0.0000      0.00  O         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =   389
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       40.267 (CFS)
                        Total volume =      51.244 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000   208.500     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000   105.048     0.000
        ***********************************************************************

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        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.610 to Point/Station        4.800
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        _____________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 5 with
        a starting time of   0.00 hours and ending time of  24.00 hours
        With a total volume of      51.17(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =     0
                        Time interval =    0.0 (Min.)
                        Maximum/Peak flow rate =        0.000 (CFS)
                        Total volume =       0.000 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000   208.500    40.267
                Vol (Ac.Ft)     0.000     0.000     0.000   105.048    51.166
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        4.610 to Point/Station        4.800
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        _____________________________________________________________________
        Current stream hydrograph deleted by user.
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =     0
                        Time interval =    0.0 (Min.)
                        Maximum/Peak flow rate =        0.000 (CFS)
                        Total volume =       0.000 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000   208.500    40.267
                Vol (Ac.Ft)     0.000     0.000     0.000   105.048    51.166
        ***********************************************************************

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Process from Point/Station 4.810 to Point/Station 4.820
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP4B10024100.rte

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	2.3	4.7	7.0	9.3
0+ 5	0.0286	0.03	Q				
0+10	0.0671	0.07	Q				
0+15	0.0733	0.07	Q				
0+20	0.0888	0.09	Q				
0+25	0.1081	0.11	Q				
0+30	0.1112	0.11	Q				
0+35	0.1117	0.11	Q				
0+40	0.1117	0.11	Q				
0+45	0.1117	0.11	Q				
0+50	0.1260	0.13	Q				
0+55	0.1453	0.15	Q				
1+ 0	0.1484	0.15	Q				
1+ 5	0.1347	0.13	Q				
1+10	0.1154	0.12	Q				
1+15	0.1123	0.11	Q				
1+20	0.1117	0.11	Q				
1+25	0.1117	0.11	Q				
1+30	0.1117	0.11	Q				
1+35	0.1117	0.11	Q				
1+40	0.1117	0.11	Q				
1+45	0.1117	0.11	Q				
1+50	0.1260	0.13	Q				
1+55	0.1453	0.15	Q				
2+ 0	0.1484	0.15	Q				
2+ 5	0.1490	0.15	Q				
2+10	0.1490	0.15	Q				
2+15	0.1490	0.15	Q				
2+20	0.1490	0.15	Q				
2+25	0.1490	0.15	Q				
2+30	0.1490	0.15	Q				
2+35	0.1633	0.16	Q				
2+40	0.1826	0.18	Q				
2+45	0.1857	0.19	Q				
2+50	0.1862	0.19	Q				
2+55	0.1862	0.19	Q				
3+ 0	0.1862	0.19	Q				
3+ 5	0.1862	0.19	Q				
3+10	0.1862	0.19	Q				
3+15	0.1862	0.19	Q				
3+20	0.1862	0.19	Q				
3+25	0.1862	0.19	Q				
3+30	0.1862	0.19	Q				
3+35	0.1862	0.19	Q				
3+40	0.1862	0.19	Q				
3+45	0.1862	0.19	Q				
3+50	0.2005	0.20	Q				
3+55	0.2198	0.22	Q				
4+ 0	0.2229	0.22	Q				
4+ 5	0.2235	0.22	Q				
4+10	0.2235	0.22	Q				
4+15	0.2235	0.22	Q				
4+20	0.2378	0.24	Q				
4+25	0.2571	0.26	Q				
4+30	0.2602	0.26	Q				
4+35	0.2607	0.26	Q				
4+40	0.2607	0.26	Q				
4+45	0.2607	0.26	Q				
4+50	0.2750	0.28	Q				
4+55	0.2943	0.29	Q				
5+ 0	0.2974	0.30	Q				
5+ 5	0.2694	0.27	Q				
5+10	0.2309	0.23	Q				
5+15	0.2247	0.22	Q				
5+20	0.2378	0.24	Q				
5+25	0.2571	0.26	Q				
5+30	0.2602	0.26	Q				
5+35	0.2750	0.28	Q				
5+40	0.2943	0.29	Q				
5+45	0.2974	0.30	Q				
5+50	0.2980	0.30	Q				
5+55	0.2980	0.30	Q				
6+ 0	0.2980	0.30	Q				
6+ 5	0.3123	0.31	Q				
6+10	0.3316	0.33	Q				
6+15	0.3346	0.33	Q				
6+20	0.3352	0.34	Q				
6+25	0.3352	0.34	Q				
6+30	0.3352	0.34	Q				
6+35	0.3495	0.35	Q				
6+40	0.3688	0.37	Q				
6+45	0.3719	0.37	Q				
6+50	0.3725	0.37	Q				
6+55	0.3725	0.37	Q				
7+ 0	0.3725	0.37	Q				
7+ 5	0.3725	0.37	Q				
7+10	0.3725	0.37	Q				
7+15	0.3725	0.37	Q				
7+20	0.3868	0.39	Q				
7+25	0.4060	0.41	Q				
7+30	0.4091	0.41	Q				
7+35	0.4240	0.42	Q				
7+40	0.4433	0.44	Q				
7+45	0.4464	0.45	Q				
7+50	0.4613	0.46	Q				
7+55	0.4805	0.48	Q				
8+ 0	0.4836	0.48	Q				
8+ 5	0.6780	0.68	Q				
8+10	0.9472	0.95	Q				
8+15	1.0084	1.01	Q				
8+20	1.0374	1.04	Q				
8+25	1.0586	1.06	Q				
8+30	1.0798	1.08	Q				
8+35	1.2440	1.24	Q				
8+40	1.4576	1.46	Q				
8+45	1.5096	1.51	Q				
8+50	1.6795	1.68	Q				
8+55	1.8929	1.89	Q				
9+ 0	1.9447	1.94	Q				

19+25	0.1453	0.15	Q				
19+30	0.1484	0.15	Q				
19+35	0.1347	0.13	Q				
19+40	0.1154	0.12	Q				
19+45	0.1123	0.11	Q				
19+50	0.0974	0.10	Q				
19+55	0.0782	0.08	Q				
20+ 0	0.0751	0.08	Q				
20+ 5	0.0888	0.09	Q				
20+10	0.1081	0.11	Q				
20+15	0.1112	0.11	Q				
20+20	0.1117	0.11	Q				
20+25	0.1117	0.11	Q				
20+30	0.1117	0.11	Q				
20+35	0.1117	0.11	Q				
20+40	0.1117	0.11	Q				
20+45	0.1117	0.11	Q				
20+50	0.0974	0.10	Q				
20+55	0.0782	0.08	Q				
21+ 0	0.0751	0.08	Q				
21+ 5	0.0888	0.09	Q				
21+10	0.1081	0.11	Q				
21+15	0.1112	0.11	Q				
21+20	0.0974	0.10	Q				
21+25	0.0782	0.08	Q				
21+30	0.0751	0.08	Q				
21+35	0.0888	0.09	Q				
21+40	0.1081	0.11	Q				
21+45	0.1112	0.11	Q				
21+50	0.0974	0.10	Q				
21+55	0.0782	0.08	Q				
22+ 0	0.0751	0.08	Q				
22+ 5	0.0888	0.09	Q				
22+10	0.1081	0.11	Q				
22+15	0.1112	0.11	Q				
22+20	0.0974	0.10	Q				
22+25	0.0782	0.08	Q				
22+30	0.0751	0.08	Q				
22+35	0.0745	0.07	Q				
22+40	0.0745	0.07	Q				
22+45	0.0745	0.07	Q				
22+50	0.0745	0.07	Q				
22+55	0.0745	0.07	Q				
23+ 0	0.0745	0.07	Q				
23+ 5	0.0745	0.07	Q				
23+10	0.0745	0.07	Q				
23+15	0.0745	0.07	Q				
23+20	0.0745	0.07	Q				
23+25	0.0745	0.07	Q				
23+30	0.0745	0.07	Q				
23+35	0.0745	0.07	Q				
23+40	0.0745	0.07	Q				
23+45	0.0745	0.07	Q				
23+50	0.0745	0.07	Q				
23+55	0.0745	0.07	Q				
24+ 0	0.0745	0.07	Q				
24+ 5	0.0459	0.05	Q				
24+10	0.0074	0.01	Q				
24+15	0.0012	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 291

Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.309 (CFS)
Total volume = 3.178 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	208.500	40.267
Vol (Ac.Ft)	0.000	0.000	0.000	105.048	51.166

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Process from Point/Station 4.820 to Point/Station 4.600
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 4 the total
volume of 105.05 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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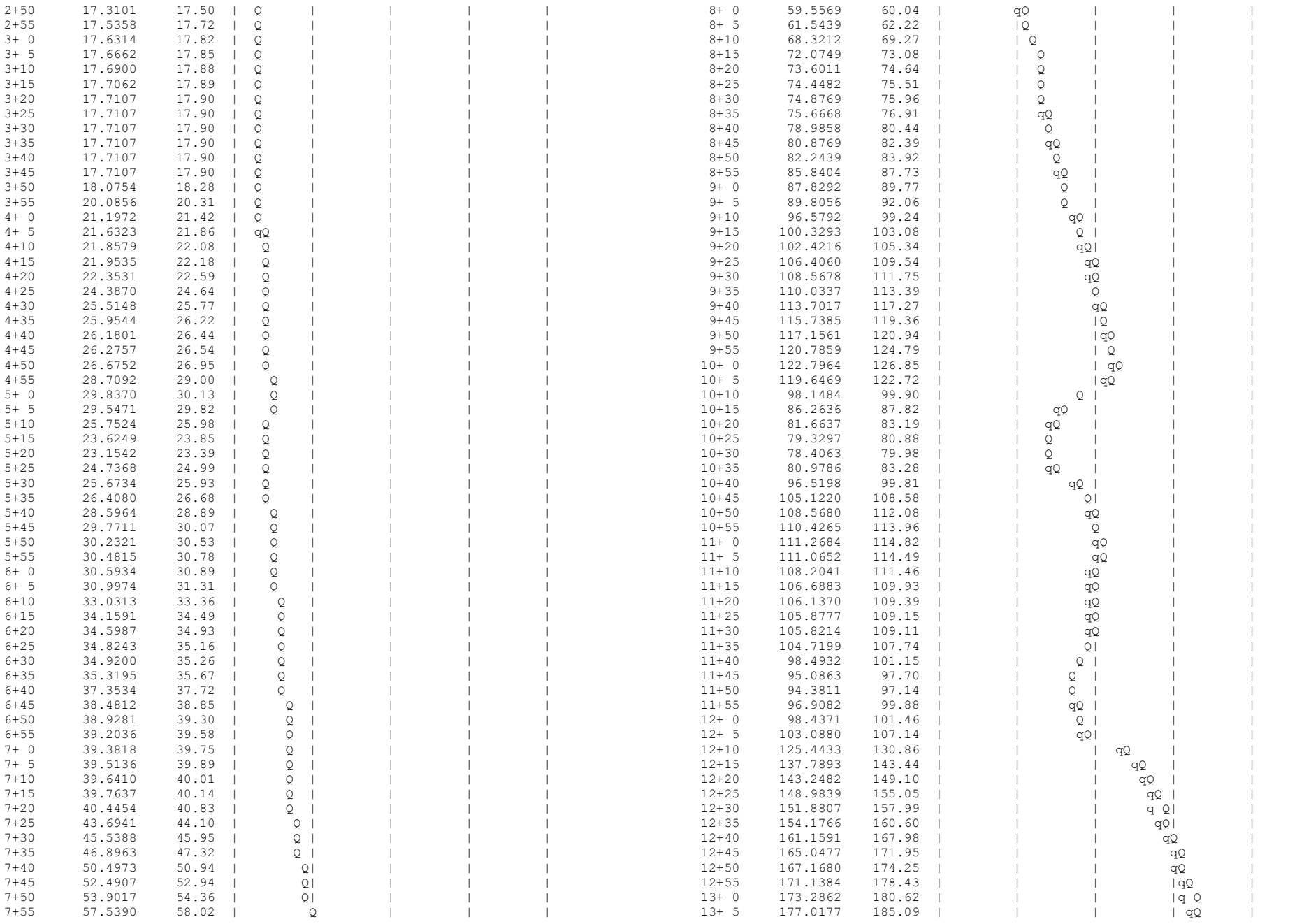
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	54.5	108.9	163.4	217.8
0+ 5	0.0000	0.03	Q				
0+10	0.8499	0.92	Q				
0+15	3.0729	3.15	Q				
0+20	4.3079	4.40	Q				
0+25	6.7694	6.88	|Q				
0+30	8.0722	8.18	|Q				
0+35	8.5769	8.69	|Q				
0+40	8.8501	8.96	|Q				
0+45	8.9782	9.09	|Q				
0+50	9.3867	9.51	|Q				
0+55	11.4206	11.57	| Q				
1+ 0	12.5484	12.70	| Q				
1+ 5	12.6233	12.76	| Q				
1+10	10.8387	10.95	|qQ				
1+15	9.8228	9.94	|Q				
1+20	9.4225	9.53	|Q				
1+25	9.2206	9.33	|Q				
1+30	9.1412	9.25	|Q				
1+35	9.1109	9.22	|Q				
1+40	9.0871	9.20	|Q				
1+45	9.0709	9.18	|Q				
1+50	9.4311	9.56	|Q				
1+55	11.4413	11.59	| Q				
2+ 0	12.5529	12.70	| Q				
2+ 5	12.9880	13.14	| Q				
2+10	13.2137	13.36	| Q				
2+15	13.3093	13.46	| Q				
2+20	13.3441	13.49	| Q				
2+25	13.3678	13.52	| Q				
2+30	13.3841	13.53	| Q				
2+35	13.7533	13.92	| Q				
2+40	15.7635	15.95	| Q				
2+45	16.8750	17.06	| Q				



2+50	17.3101	17.50	Q					
2+55	17.5358	17.72	Q					
3+ 0	17.6314	17.82	Q					
3+ 5	17.6662	17.85	Q					
3+10	17.6900	17.88	Q					
3+15	17.7062	17.89	Q					
3+20	17.7107	17.90	Q					
3+25	17.7107	17.90	Q					
3+30	17.7107	17.90	Q					
3+35	17.7107	17.90	Q					
3+40	17.7107	17.90	Q					
3+45	17.7107	17.90	Q					
3+50	18.0754	18.28	Q					
3+55	20.0856	20.31	Q					
4+ 0	21.1972	21.42	Q					
4+ 5	21.6323	21.86	qQ					
4+10	21.8579	22.08	Q					
4+15	21.9535	22.18	Q					
4+20	22.3531	22.59	Q					
4+25	24.3870	24.64	Q					
4+30	25.5148	25.77	Q					
4+35	25.9544	26.22	Q					
4+40	26.1801	26.44	Q					
4+45	26.2757	26.54	Q					
4+50	26.6752	26.95	Q					
4+55	28.7092	29.00	Q					
5+ 0	29.8370	30.13	Q					
5+ 5	29.5471	29.82	Q					
5+10	25.7524	25.98	Q					
5+15	23.6249	23.85	Q					
5+20	23.1542	23.39	Q					
5+25	24.7368	24.99	Q					
5+30	25.6734	25.93	Q					
5+35	26.4080	26.68	Q					
5+40	28.5964	28.89	Q					
5+45	29.7711	30.07	Q					
5+50	30.2321	30.53	Q					
5+55	30.4815	30.78	Q					
6+ 0	30.5934	30.89	Q					
6+ 5	30.9974	31.31	Q					
6+10	33.0313	33.36	Q					
6+15	34.1591	34.49	Q					
6+20	34.5987	34.93	Q					
6+25	34.8243	35.16	Q					
6+30	34.9200	35.26	Q					
6+35	35.3195	35.67	Q					
6+40	37.3534	37.72	Q					
6+45	38.4812	38.85	Q					
6+50	38.9281	39.30	Q					
6+55	39.2036	39.58	Q					
7+ 0	39.3818	39.75	Q					
7+ 5	39.5136	39.89	Q					
7+10	39.6410	40.01	Q					
7+15	39.7637	40.14	Q					
7+20	40.4454	40.83	Q					
7+25	43.6941	44.10	Q					
7+30	45.5388	45.95	Q					
7+35	46.8963	47.32	Q					
7+40	50.4973	50.94	Q					
7+45	52.4907	52.94	Q					
7+50	53.9017	54.36	Q					
7+55	57.5390	58.02	Q					
8+ 0	59.5569	60.04		qQ				
8+ 5	61.5439	62.22		Q				
8+10	68.3212	69.27		Q				
8+15	72.0749	73.08		Q				
8+20	73.6011	74.64		Q				
8+25	74.4482	75.51		Q				
8+30	74.8769	75.96		Q				
8+35	75.6668	76.91		qQ				
8+40	78.9858	80.44		Q				
8+45	80.8769	82.39		qQ				
8+50	82.2439	83.92		Q				
8+55	85.8404	87.73		qQ				
9+ 0	87.8292	89.77		Q				
9+ 5	89.8056	92.06		Q				
9+10	96.5792	99.24		qQ				
9+15	100.3293	103.08		Q				
9+20	102.4216	105.34		qQ				
9+25	106.4060	109.54		qQ				
9+30	108.5678	111.75		qQ				
9+35	110.0337	113.39		Q				
9+40	113.7017	117.27		qQ				
9+45	115.7385	119.36		Q				
9+50	117.1561	120.94		qQ				
9+55	120.7859	124.79		Q				
10+ 0	122.7964	126.85		qQ				
10+ 5	119.6469	122.72		qQ				
10+10	98.1484	99.90		Q				
10+15	86.2636	87.82		qQ				
10+20	81.6637	83.19		qQ				
10+25	79.3297	80.88		Q				
10+30	78.4063	79.98		Q				
10+35	80.9786	83.28		qQ				
10+40	96.5198	99.81		qQ				
10+45	105.1220	108.58		Q				
10+50	108.5680	112.08		qQ				
10+55	110.4265	113.96		Q				
11+ 0	111.2684	114.82		qQ				
11+ 5	111.0652	114.49		qQ				
11+10	108.2041	111.46		qQ				
11+15	106.6883	109.93		qQ				
11+20	106.1370	109.39		qQ				
11+25	105.8777	109.15		qQ				
11+30	105.8214	109.11		qQ				
11+35	104.7199	107.74		Q				
11+40	98.4932	101.15		Q				
11+45	95.0863	97.70		Q				
11+50	94.3811	97.14		Q				
11+55	96.9082	99.88		qQ				
12+ 0	98.4371	101.46		Q				
12+ 5	103.0880	107.14		qQ				
12+10	125.4433	130.86			qQ			
12+15	137.7893	143.44			qQ			
12+20	143.2482	149.10			qQ			
12+25	148.9839	155.05			qQ			
12+30	151.8807	157.99			q Q			
12+35	154.1766	160.60			qQ			
12+40	161.1591	167.98			qQ			
12+45	165.0477	171.95			qQ			
12+50	167.1680	174.25			qQ			
12+55	171.1384	178.43			qQ			
13+ 0	173.2862	180.62			q Q			
13+ 5	177.0177	185.09			qQ			

13+10	193.2353	202.29	q Q
13+15	202.2052	211.43	qQ
13+20	205.7581	215.03	q Q
13+25	207.6434	216.93	qQ
13+30	208.5004	217.81	q Q
13+35	202.5949	210.35	qQ
13+40	168.3140	173.97	qQ
13+45	149.4200	154.75	qQ
13+50	142.0597	147.34	qQ
13+55	138.2637	143.56	qQ
14+ 0	136.7029	142.02	qQ
14+ 5	138.4662	144.37	qQ
14+10	150.7035	157.39	qQ
14+15	157.4526	164.28	q Q
14+20	159.6064	166.33	qQ
14+25	157.9565	164.51	qQ
14+30	156.8975	163.43	q Q
14+35	156.5151	163.06	qQ
14+40	156.3904	162.95	qQ
14+45	156.4217	163.00	qQ
14+50	155.9040	162.35	qQ
14+55	152.8042	159.08	qQ
15+ 0	151.1200	157.38	qQ
15+ 5	149.9408	156.07	qQ
15+10	146.5244	152.47	q Q
15+15	144.7150	150.65	qQ
15+20	143.4873	149.29	qQ
15+25	140.0326	145.65	qQ
15+30	138.1966	143.80	qQ
15+35	135.2510	140.29	qQ
15+40	122.3723	126.66	qQ
15+45	115.3248	119.50	Q
15+50	112.6180	116.79	qQ
15+55	111.2439	115.43	qQ
16+ 0	110.6942	114.89	qQ
16+ 5	102.3568	105.01	qQ
16+10	57.1601	57.71	Q
16+15	32.1451	32.36	Q
16+20	22.3663	22.52	Q
16+25	17.3081	17.46	Q
16+30	15.1653	15.31	Q
16+35	14.0205	14.16	Q
16+40	11.4781	11.59	Q
16+45	10.0022	10.11	Q
16+50	9.4670	9.58	Q
16+55	9.2413	9.35	Q
17+ 0	9.1457	9.26	Q
17+ 5	9.8403	9.98	Q
17+10	13.8370	14.02	Q
17+15	16.0438	16.23	Q
17+20	16.9096	17.10	Q
17+25	17.3609	17.55	Q
17+30	17.5521	17.74	Q
17+35	17.6218	17.81	Q
17+40	17.6693	17.86	Q
17+45	17.7018	17.89	Q
17+50	17.3460	17.52	Q
17+55	15.3358	15.49	Q
18+ 0	14.2242	14.37	Q
18+ 5	13.7891	13.94	Q
18+10	13.5634	13.71	Q
18+15	13.4678	13.62	Q
18+20	13.4330	13.58	Q
18+25	13.4093	13.56	Q
18+30	13.3930	13.54	Q
18+35	13.0238	13.16	Q
18+40	11.0136	11.13	Q
18+45	9.9021	10.01	Q
18+50	9.1022	9.20	Q
18+55	6.8664	6.94	Q
19+ 0	5.6592	5.73	Q
19+ 5	5.5540	5.64	Q
19+10	7.3148	7.42	Q
19+15	8.3145	8.43	Q
19+20	9.0750	9.20	Q
19+25	11.2872	11.43	Q
19+30	12.4781	12.63	Q
19+35	12.5788	12.71	Q
19+40	10.8180	10.93	qQ
19+45	9.8183	9.93	Q
19+50	9.0578	9.16	Q
19+55	6.8457	6.92	Q
20+ 0	5.6548	5.73	Q
20+ 5	5.5540	5.64	Q
20+10	7.3148	7.42	Q
20+15	8.3145	8.43	Q
20+20	8.7103	8.82	Q
20+25	8.9122	9.02	Q
20+30	8.9916	9.10	Q
20+35	9.0219	9.13	Q
20+40	9.0457	9.16	Q
20+45	9.0619	9.17	Q
20+50	8.7017	8.80	Q
20+55	6.6915	6.77	Q
21+ 0	5.5799	5.66	Q
21+ 5	5.5096	5.60	Q
21+10	7.2941	7.40	Q
21+15	8.3100	8.42	Q
21+20	8.3456	8.44	Q
21+25	6.5373	6.62	Q
21+30	5.5051	5.58	Q
21+35	5.4651	5.55	Q
21+40	7.2734	7.38	Q
21+45	8.3056	8.42	Q
21+50	8.3456	8.44	Q
21+55	6.5373	6.62	Q
22+ 0	5.5051	5.58	Q
22+ 5	5.4651	5.55	Q
22+10	7.2734	7.38	Q
22+15	8.3056	8.42	Q
22+20	8.3456	8.44	Q
22+25	6.5373	6.62	Q
22+30	5.5051	5.58	Q
22+35	5.1004	5.17	Q
22+40	4.8984	4.97	Q
22+45	4.8191	4.89	Q
22+50	4.7887	4.86	Q
22+55	4.7650	4.84	Q
23+ 0	4.7487	4.82	Q
23+ 5	4.7443	4.82	Q
23+10	4.7443	4.82	Q
23+15	4.7443	4.82	Q
23+20	4.7443	4.82	Q
23+25	4.7443	4.82	Q

23+30	4.7443	4.82	Q				
23+35	4.7443	4.82	Q				
23+40	4.7443	4.82	Q				
23+45	4.7443	4.82	Q				
23+50	4.7443	4.82	Q				
23+55	4.7443	4.82	Q				
24+ 0	4.7443	4.82	Q				
24+ 5	4.0148	4.06	Q				
24+10	0.0000	0.01	Q				
24+15	0.0000	0.00	Q				
24+20	0.0000	0.00	Q				
24+25	0.0000	0.00	Q				
24+30	0.0000	0.00	Q				
24+35	0.0000	0.00	Q				
24+40	0.0000	0.00	Q				
24+45	0.0000	0.00	Q				
24+50	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 298
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 217.809 (CFS)
Total volume = 108.226 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	40.267
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	51.166

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Process from Point/Station 4.820 to Point/Station 4.600

**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 298
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

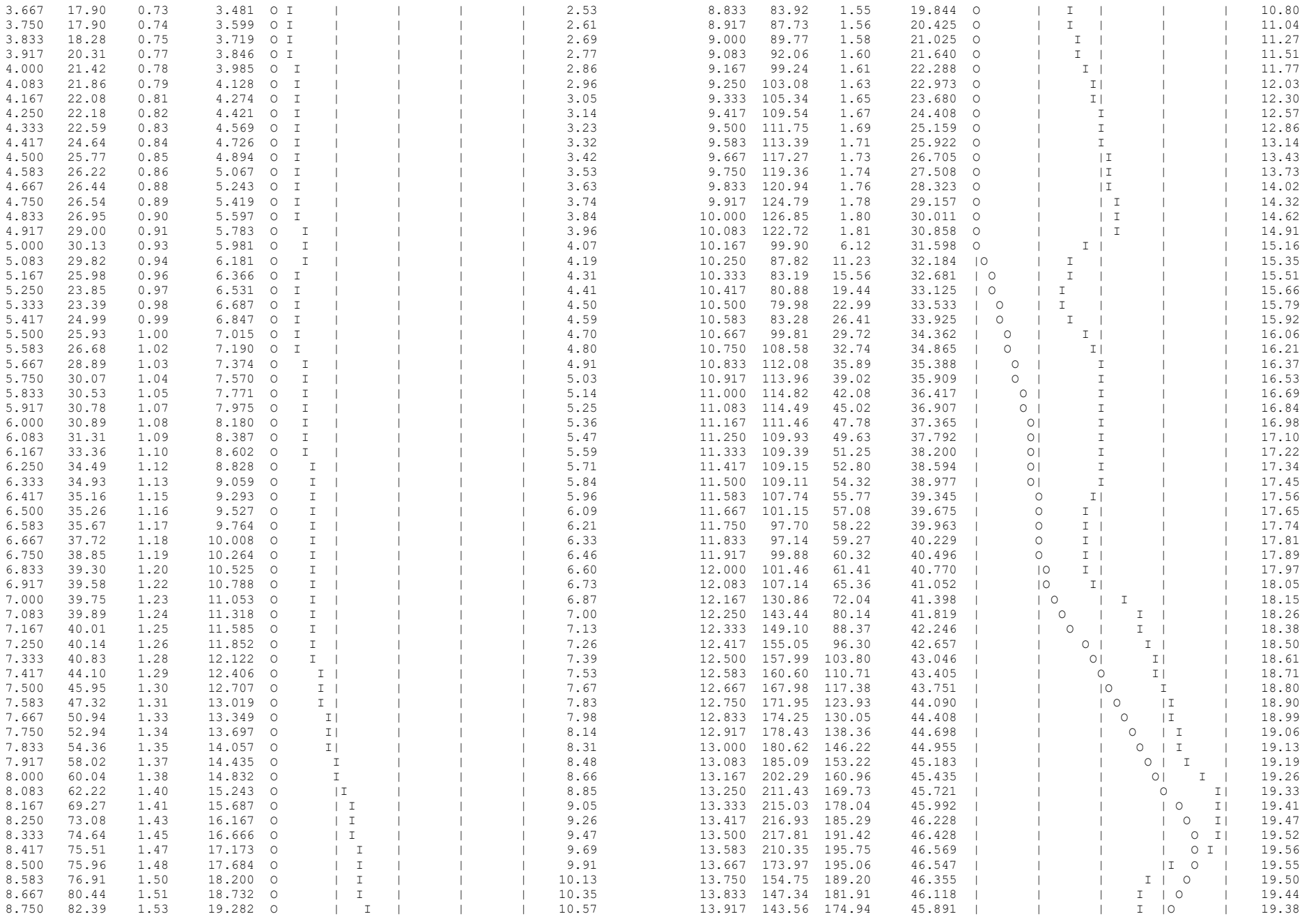
Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.289	0.440	1.287	1.291
2.000	2.686	0.650	2.684	2.688
3.000	4.190	0.800	4.187	4.193
5.000	7.522	1.040	7.518	7.526
6.000	9.358	1.150	9.354	9.362
7.000	11.310	1.240	11.306	11.314
8.000	13.381	1.330	13.376	13.386
9.000	15.571	1.410	15.566	15.576
10.000	17.884	1.490	17.879	17.889
11.000	20.321	1.560	20.316	20.326
12.000	22.886	1.630	22.880	22.892
13.000	25.542	1.700	25.536	25.548
14.000	28.253	1.760	28.247	28.259
15.000	31.104	1.820	31.098	31.110
16.000	34.179	28.620	34.080	34.278
17.000	37.445	48.260	37.279	37.611
18.000	40.867	61.790	40.654	41.080
19.000	44.460	131.050	44.009	44.911
20.000	48.242	247.070	47.391	49.093

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 54.5 108.90 163.36 217.81	Depth (Ft.)
0.083	0.03	0.00	0.000	O	0.00
0.167	0.92	0.00	0.003	O	0.00
0.250	3.15	0.01	0.017	O	0.01
0.333	4.40	0.01	0.043	O	0.03
0.417	6.88	0.03	0.082	OI	0.06
0.500	8.18	0.05	0.134	OI	0.10
0.583	8.69	0.07	0.191	OI	0.15
0.667	8.96	0.09	0.251	OI	0.20
0.750	9.09	0.11	0.313	OI	0.24
0.833	9.51	0.13	0.376	OI	0.29
0.917	11.57	0.15	0.448	OI	0.35
1.000	12.70	0.18	0.530	OI	0.41
1.083	12.76	0.21	0.617	OI	0.48
1.167	10.95	0.24	0.697	OI	0.54
1.250	9.94	0.26	0.767	OI	0.59
1.333	9.53	0.28	0.832	OI	0.65
1.417	9.33	0.31	0.895	OI	0.69
1.500	9.25	0.33	0.957	OI	0.74
1.583	9.22	0.35	1.018	OI	0.79
1.667	9.20	0.37	1.079	OI	0.84
1.750	9.18	0.39	1.140	OI	0.88
1.833	9.56	0.41	1.202	OI	0.93
1.917	11.59	0.43	1.271	OI	0.99
2.000	12.70	0.45	1.352	OI	1.05
2.083	13.14	0.46	1.438	OI	1.11
2.167	13.36	0.48	1.526	OI	1.17
2.250	13.46	0.49	1.615	OI	1.23
2.333	13.49	0.50	1.704	OI	1.30
2.417	13.52	0.52	1.794	OI	1.36
2.500	13.53	0.53	1.883	OI	1.43
2.583	13.92	0.54	1.974	O I	1.49
2.667	15.95	0.56	2.073	O I	1.56
2.750	17.06	0.57	2.183	O I	1.64
2.833	17.50	0.59	2.298	O I	1.72
2.917	17.72	0.61	2.415	O I	1.81
3.000	17.82	0.63	2.533	O I	1.89
3.083	17.85	0.64	2.652	O I	1.98
3.167	17.88	0.66	2.770	O I	2.06
3.250	17.89	0.67	2.889	O I	2.13
3.333	17.90	0.68	3.007	O I	2.21
3.417	17.90	0.69	3.126	O I	2.29
3.500	17.90	0.71	3.244	O I	2.37
3.583	17.90	0.72	3.363	O I	2.45



| | | |

14.000	142.02	168.80	45.690	|	|	| I O	|	19.33		19.167	7.42	29.58	34.338	|I O	|	|	|	|	16.05
14.083	144.37	163.90	45.531	|	|	| I O	|	19.28		19.250	8.43	28.70	34.192	|I O	|	|	|	|	16.00
14.167	157.39	161.41	45.450	|	|	| O|	|	19.26		19.333	9.20	27.57	34.059	|I O	|	|	|	|	15.96
14.250	164.28	161.30	45.446	|	|	| OI	|	19.26		19.417	11.43	26.57	33.943	|I O	|	|	|	|	15.92
14.333	166.33	162.07	45.471	|	|	| OI	|	19.27		19.500	12.63	25.72	33.846	|I O	|	|	|	|	15.89
14.417	164.51	162.71	45.492	|	|	| OI	|	19.27		19.583	12.71	24.96	33.759	|I O	|	|	|	|	15.86
14.500	163.43	162.95	45.500	|	|	| OI	|	19.27		19.667	10.93	24.19	33.671	|I O	|	|	|	|	15.83
14.583	163.06	163.01	45.502	|	|	| O|	|	19.28		19.750	9.93	23.39	33.579	|I O	|	|	|	|	15.80
14.667	162.95	163.01	45.502	|	|	| O|	|	19.28		19.833	9.16	22.58	33.486	|I O	|	|	|	|	15.77
14.750	163.00	163.00	45.502	|	|	| O|	|	19.28		19.917	6.92	21.74	33.389	|I O	|	|	|	|	15.74
14.833	162.35	162.94	45.499	|	|	| O|	|	19.27		20.000	5.73	20.84	33.286	I O	|	|	|	|	15.71
14.917	159.08	162.51	45.486	|	|	| O|	|	19.27		20.083	5.64	19.96	33.185	I O	|	|	|	|	15.68
15.000	157.38	161.69	45.459	|	|	| O|	|	19.26		20.167	7.42	19.17	33.095	|IO	|	|	|	|	15.65
15.083	156.07	160.74	45.428	|	|	| IO|	|	19.26		20.250	8.43	18.52	33.020	|IO	|	|	|	|	15.62
15.167	152.47	159.51	45.388	|	|	| IO|	|	19.25		20.333	8.82	17.94	32.954	|IO	|	|	|	|	15.60
15.250	150.65	157.99	45.338	|	|	| IO|	|	19.23		20.417	9.02	17.42	32.893	|IO	|	|	|	|	15.58
15.333	149.29	156.46	45.288	|	|	| IO |	|	19.22		20.500	9.10	16.93	32.838	|IO	|	|	|	|	15.56
15.417	145.65	154.74	45.232	|	|	| IO |	|	19.20		20.583	9.13	16.47	32.785	|IO	|	|	|	|	15.55
15.500	143.80	152.83	45.170	|	|	| IO |	|	19.19		20.667	9.16	16.05	32.736	|IO	|	|	|	|	15.53
15.583	140.29	150.77	45.103	|	|	| I O |	|	19.17		20.750	9.17	15.65	32.690	|IO	|	|	|	|	15.52
15.667	126.66	147.46	44.995	|	|	| I O |	|	19.14		20.833	8.80	15.26	32.646	|IO	|	|	|	|	15.50
15.750	119.50	142.80	44.843	|	|	|I O |	|	19.10		20.917	6.77	14.82	32.596	I O	|	|	|	|	15.49
15.833	116.79	138.09	44.690	|	|	|I O |	|	19.06		21.000	5.66	14.32	32.538	I O	|	|	|	|	15.47
15.917	115.43	133.89	44.553	|	|	I O |	|	19.02		21.083	5.60	13.81	32.480	I O	|	|	|	|	15.45
16.000	114.89	130.57	44.435	|	|	I O |	|	18.99		21.167	7.40	13.39	32.431	|O	|	|	|	|	15.43
16.083	105.01	128.00	44.302	|	|	I| O |	|	18.96		21.250	8.42	13.07	32.395	|O	|	|	|	|	15.42
16.167	57.71	122.20	44.001	|	I |	|O |	|	18.87		21.333	8.44	12.80	32.364	|O	|	|	|	|	15.41
16.250	32.36	112.59	43.502	| I |	|	O |	|	18.73		21.417	6.62	12.49	32.328	IO	|	|	|	|	15.40
16.333	22.52	101.99	42.952	| I |	| O |	|	|	18.58		21.500	5.58	12.12	32.286	IO	|	|	|	|	15.38
16.417	17.46	91.78	42.423	| I |	| O |	|	|	18.43		21.583	5.55	11.74	32.242	IO	|	|	|	|	15.37
16.500	15.31	82.39	41.936	| I |	| O |	|	|	18.30		21.667	7.38	11.43	32.207	|O	|	|	|	|	15.36
16.583	14.16	73.97	41.499	| I |	| O |	|	|	18.18		21.750	8.42	11.22	32.183	|O	|	|	|	|	15.35
16.667	11.59	66.36	41.104	|I |	|O |	|	|	18.07		21.833	8.44	11.06	32.164	|O	|	|	|	|	15.34
16.750	10.11	61.29	40.739	|I |	|O |	|	|	17.96		21.917	6.62	10.86	32.141	IO	|	|	|	|	15.34
16.833	9.58	59.90	40.390	|I |	O |	|	|	17.86		22.000	5.58	10.58	32.109	IO	|	|	|	|	15.33
16.917	9.35	58.55	40.047	|I |	O |	|	|	17.76		22.083	5.55	10.29	32.075	IO	|	|	|	|	15.32
17.000	9.26	57.23	39.713	|I |	O |	|	|	17.66		22.167	7.38	10.06	32.050	|O	|	|	|	|	15.31
17.083	9.98	55.95	39.389	|I |	O |	|	|	17.57		22.250	8.42	9.94	32.035	|O	|	|	|	|	15.30
17.167	14.02	54.77	39.091	| I |	O |	|	|	17.48		22.333	8.44	9.85	32.025	|O	|	|	|	|	15.30
17.250	16.23	53.70	38.821	| I |	O|	|	|	17.40		22.417	6.62	9.71	32.010	IO	|	|	|	|	15.29
17.333	17.10	52.71	38.570	| I |	O|	|	|	17.33		22.500	5.58	9.50	31.986	IO	|	|	|	|	15.29
17.417	17.55	51.76	38.329	| I |	O|	|	|	17.26		22.583	5.17	9.26	31.958	IO	|	|	|	|	15.28
17.500	17.74	50.84	38.097	| I |	O|	|	|	17.19		22.667	4.97	9.02	31.930	IO	|	|	|	|	15.27
17.583	17.81	49.95	37.873	| I |	O|	|	|	17.12		22.750	4.89	8.78	31.903	IO	|	|	|	|	15.26
17.667	17.86	49.09	37.654	| I |	O|	|	|	17.06		22.833	4.86	8.55	31.877	IO	|	|	|	|	15.25
17.750	17.89	48.24	37.442	| I |	O|	|	|	17.00		22.917	4.84	8.34	31.852	IO	|	|	|	|	15.24
17.833	17.52	47.01	37.236	| I | O |	|	|	16.94		23.000	4.82	8.13	31.828	IO	|	|	|	|	15.24
17.917	15.49	45.77	37.031	| I | O |	|	|	16.87		23.083	4.82	7.94	31.806	IO	|	|	|	|	15.23
18.000	14.37	44.52	36.822	| I | O |	|	|	16.81		23.167	4.82	7.76	31.785	IO	|	|	|	|	15.22
18.083	13.94	43.28	36.618	| I | O |	|	|	16.75		23.250	4.82	7.59	31.766	IO	|	|	|	|	15.22
18.167	13.71	42.09	36.419	| I | O |	|	|	16.69		23.333	4.82	7.43	31.747	IO	|	|	|	|	15.21
18.250	13.62	40.94	36.227	| I | O |	|	|	16.63		23.417	4.82	7.27	31.730	IO	|	|	|	|	15.20
18.333	13.58	39.83	36.043	|I | O |	|	|	16.57		23.500	4.82	7.13	31.713	IO	|	|	|	|	15.20
18.417	13.56	38.76	35.865	|I | O |	|	|	16.52		23.583	4.82	7.00	31.698	IO	|	|	|	|	15.19
18.500	13.54	37.74	35.695	|I | O |	|	|	16.46		23.667	4.82	6.87	31.683	IO	|	|	|	|	15.19
18.583	13.16	36.75	35.531	|I | O |	|	|	16.41		23.750	4.82	6.75	31.670	O	|	|	|	|	15.18
18.667	11.13	35.75	35.365	|I | O |	|	|	16.36		23.833	4.82	6.64	31.657	O	|	|	|	|	15.18
18.750	10.01	34.73	35.195	|I | O |	|	|	16.31		23.917	4.82	6.53	31.645	O	|	|	|	|	15.18
18.833	9.20	33.71	35.025	|I O |	|	|	16.26		24.000	4.82	6.43	31.633	O	|	|	|	|	15.17
18.917	6.94	32.67	34.852	|I O |	|	|	16.21		24.083	4.06	6.32	31.620	O	|	|	|	|	15.17
19.000	5.73	31.60	34.675	I O |	|	|	16.15		24.167	0.01	6.07	31.591	O	|	|	|	|	15.16
19.083	5.64	30.55	34.500	I O |	|	|	16.10		24.250	0.00	5.71	31.551	O	|	|	|	|	15.15

24.333	0.00	5.38	31.512	O	|	|	|	|	15.13	29.500	0.00	1.81	30.555	O	|	|	|	|	14.81
24.417	0.00	5.07	31.476	O	|	|	|	|	15.12	29.583	0.00	1.81	30.542	O	|	|	|	|	14.80
24.500	0.00	4.77	31.443	O	|	|	|	|	15.11	29.667	0.00	1.81	30.530	O	|	|	|	|	14.80
24.583	0.00	4.49	31.411	O	|	|	|	|	15.10	29.750	0.00	1.81	30.518	O	|	|	|	|	14.79
24.667	0.00	4.23	31.381	O	|	|	|	|	15.09	29.833	0.00	1.81	30.505	O	|	|	|	|	14.79
24.750	0.00	3.98	31.352	O	|	|	|	|	15.08	29.917	0.00	1.81	30.493	O	|	|	|	|	14.79
24.833	0.00	3.75	31.326	O	|	|	|	|	15.07	30.000	0.00	1.81	30.480	O	|	|	|	|	14.78
24.917	0.00	3.53	31.301	O	|	|	|	|	15.06	30.083	0.00	1.81	30.468	O	|	|	|	|	14.78
25.000	0.00	3.33	31.277	O	|	|	|	|	15.06	30.167	0.00	1.81	30.455	O	|	|	|	|	14.77
25.083	0.00	3.13	31.255	O	|	|	|	|	15.05	30.250	0.00	1.81	30.443	O	|	|	|	|	14.77
25.167	0.00	2.95	31.234	O	|	|	|	|	15.04	30.333	0.00	1.81	30.430	O	|	|	|	|	14.76
25.250	0.00	2.78	31.214	O	|	|	|	|	15.04	30.417	0.00	1.81	30.418	O	|	|	|	|	14.76
25.333	0.00	2.62	31.195	O	|	|	|	|	15.03	30.500	0.00	1.81	30.406	O	|	|	|	|	14.76
25.417	0.00	2.46	31.178	O	|	|	|	|	15.02	30.583	0.00	1.81	30.393	O	|	|	|	|	14.75
25.500	0.00	2.32	31.162	O	|	|	|	|	15.02	30.667	0.00	1.80	30.381	O	|	|	|	|	14.75
25.583	0.00	2.19	31.146	O	|	|	|	|	15.01	30.750	0.00	1.80	30.368	O	|	|	|	|	14.74
25.667	0.00	2.06	31.131	O	|	|	|	|	15.01	30.833	0.00	1.80	30.356	O	|	|	|	|	14.74
25.750	0.00	1.94	31.118	O	|	|	|	|	15.00	30.917	0.00	1.80	30.343	O	|	|	|	|	14.73
25.833	0.00	1.83	31.105	O	|	|	|	|	15.00	31.000	0.00	1.80	30.331	O	|	|	|	|	14.73
25.917	0.00	1.82	31.092	O	|	|	|	|	15.00	31.083	0.00	1.80	30.319	O	|	|	|	|	14.72
26.000	0.00	1.82	31.080	O	|	|	|	|	14.99	31.167	0.00	1.80	30.306	O	|	|	|	|	14.72
26.083	0.00	1.82	31.067	O	|	|	|	|	14.99	31.250	0.00	1.80	30.294	O	|	|	|	|	14.72
26.167	0.00	1.82	31.054	O	|	|	|	|	14.98	31.333	0.00	1.80	30.281	O	|	|	|	|	14.71
26.250	0.00	1.82	31.042	O	|	|	|	|	14.98	31.417	0.00	1.80	30.269	O	|	|	|	|	14.71
26.333	0.00	1.82	31.029	O	|	|	|	|	14.97	31.500	0.00	1.80	30.256	O	|	|	|	|	14.70
26.417	0.00	1.82	31.017	O	|	|	|	|	14.97	31.583	0.00	1.80	30.244	O	|	|	|	|	14.70
26.500	0.00	1.82	31.004	O	|	|	|	|	14.97	31.667	0.00	1.80	30.232	O	|	|	|	|	14.69
26.583	0.00	1.82	30.992	O	|	|	|	|	14.96	31.750	0.00	1.80	30.219	O	|	|	|	|	14.69
26.667	0.00	1.82	30.979	O	|	|	|	|	14.96	31.833	0.00	1.80	30.207	O	|	|	|	|	14.69
26.750	0.00	1.82	30.967	O	|	|	|	|	14.95	31.917	0.00	1.80	30.194	O	|	|	|	|	14.68
26.833	0.00	1.82	30.954	O	|	|	|	|	14.95	32.000	0.00	1.80	30.182	O	|	|	|	|	14.68
26.917	0.00	1.82	30.942	O	|	|	|	|	14.94	32.083	0.00	1.80	30.170	O	|	|	|	|	14.67
27.000	0.00	1.82	30.929	O	|	|	|	|	14.94	32.167	0.00	1.80	30.157	O	|	|	|	|	14.67
27.083	0.00	1.82	30.917	O	|	|	|	|	14.93	32.250	0.00	1.80	30.145	O	|	|	|	|	14.66
27.167	0.00	1.82	30.904	O	|	|	|	|	14.93	32.333	0.00	1.80	30.132	O	|	|	|	|	14.66
27.250	0.00	1.82	30.892	O	|	|	|	|	14.93	32.417	0.00	1.80	30.120	O	|	|	|	|	14.65
27.333	0.00	1.82	30.879	O	|	|	|	|	14.92	32.500	0.00	1.80	30.108	O	|	|	|	|	14.65
27.417	0.00	1.82	30.867	O	|	|	|	|	14.92	32.583	0.00	1.80	30.095	O	|	|	|	|	14.65
27.500	0.00	1.81	30.854	O	|	|	|	|	14.91	32.667	0.00	1.80	30.083	O	|	|	|	|	14.64
27.583	0.00	1.81	30.842	O	|	|	|	|	14.91	32.750	0.00	1.80	30.070	O	|	|	|	|	14.64
27.667	0.00	1.81	30.829	O	|	|	|	|	14.90	32.833	0.00	1.80	30.058	O	|	|	|	|	14.63
27.750	0.00	1.81	30.817	O	|	|	|	|	14.90	32.917	0.00	1.80	30.046	O	|	|	|	|	14.63
27.833	0.00	1.81	30.804	O	|	|	|	|	14.89	33.000	0.00	1.80	30.033	O	|	|	|	|	14.62
27.917	0.00	1.81	30.792	O	|	|	|	|	14.89	33.083	0.00	1.80	30.021	O	|	|	|	|	14.62
28.000	0.00	1.81	30.779	O	|	|	|	|	14.89	33.167	0.00	1.80	30.009	O	|	|	|	|	14.62
28.083	0.00	1.81	30.767	O	|	|	|	|	14.88	33.250	0.00	1.80	29.996	O	|	|	|	|	14.61
28.167	0.00	1.81	30.754	O	|	|	|	|	14.88	33.333	0.00	1.80	29.984	O	|	|	|	|	14.61
28.250	0.00	1.81	30.742	O	|	|	|	|	14.87	33.417	0.00	1.80	29.971	O	|	|	|	|	14.60
28.333	0.00	1.81	30.729	O	|	|	|	|	14.87	33.500	0.00	1.80	29.959	O	|	|	|	|	14.60
28.417	0.00	1.81	30.717	O	|	|	|	|	14.86	33.583	0.00	1.80	29.947	O	|	|	|	|	14.59
28.500	0.00	1.81	30.704	O	|	|	|	|	14.86	33.667	0.00	1.80	29.934	O	|	|	|	|	14.59
28.583	0.00	1.81	30.692	O	|	|	|	|	14.86	33.750	0.00	1.80	29.922	O	|	|	|	|	14.59
28.667	0.00	1.81	30.679	O	|	|	|	|	14.85	33.833	0.00	1.79	29.910	O	|	|	|	|	14.58
28.750	0.00	1.81	30.667	O	|	|	|	|	14.85	33.917	0.00	1.79	29.897	O	|	|	|	|	14.58
28.833	0.00	1.81	30.655	O	|	|	|	|	14.84	34.000	0.00	1.79	29.885	O	|	|	|	|	14.57
28.917	0.00	1.81	30.642	O	|	|	|	|	14.84	34.083	0.00	1.79	29.873	O	|	|	|	|	14.57
29.000	0.00	1.81	30.630	O	|	|	|	|	14.83	34.167	0.00	1.79	29.860	O	|	|	|	|	14.56
29.083	0.00	1.81	30.617	O	|	|	|	|	14.83	34.250	0.00	1.79	29.848	O	|	|	|	|	14.56
29.167	0.00	1.81	30.605	O	|	|	|	|	14.82	34.333	0.00	1.79	29.836	O	|	|	|	|	14.56
29.250	0.00	1.81	30.592	O	|	|	|	|	14.82	34.417	0.00	1.79	29.823	O	|	|	|	|	14.55
29.333	0.00	1.81	30.580	O	|	|	|	|	14.82	34.500	0.00	1.79	29.811	O	|	|	|	|	14.55
29.417	0.00	1.81	30.567	O	|	|	|	|	14.81	34.583	0.00	1.79	29.798	O	|	|	|	|	14.54

34.667	0.00	1.79	29.786	O	|	|	|	|	14.54	39.833	0.00	1.78	29.024	O	|	|	|	|	14.27
34.750	0.00	1.79	29.774	O	|	|	|	|	14.53	39.917	0.00	1.78	29.012	O	|	|	|	|	14.27
34.833	0.00	1.79	29.761	O	|	|	|	|	14.53	40.000	0.00	1.78	29.000	O	|	|	|	|	14.26
34.917	0.00	1.79	29.749	O	|	|	|	|	14.52	40.083	0.00	1.78	28.988	O	|	|	|	|	14.26
35.000	0.00	1.79	29.737	O	|	|	|	|	14.52	40.167	0.00	1.78	28.975	O	|	|	|	|	14.25
35.083	0.00	1.79	29.724	O	|	|	|	|	14.52	40.250	0.00	1.77	28.963	O	|	|	|	|	14.25
35.167	0.00	1.79	29.712	O	|	|	|	|	14.51	40.333	0.00	1.77	28.951	O	|	|	|	|	14.24
35.250	0.00	1.79	29.700	O	|	|	|	|	14.51	40.417	0.00	1.77	28.939	O	|	|	|	|	14.24
35.333	0.00	1.79	29.687	O	|	|	|	|	14.50	40.500	0.00	1.77	28.926	O	|	|	|	|	14.24
35.417	0.00	1.79	29.675	O	|	|	|	|	14.50	40.583	0.00	1.77	28.914	O	|	|	|	|	14.23
35.500	0.00	1.79	29.663	O	|	|	|	|	14.49	40.667	0.00	1.77	28.902	O	|	|	|	|	14.23
35.583	0.00	1.79	29.650	O	|	|	|	|	14.49	40.750	0.00	1.77	28.890	O	|	|	|	|	14.22
35.667	0.00	1.79	29.638	O	|	|	|	|	14.49	40.833	0.00	1.77	28.878	O	|	|	|	|	14.22
35.750	0.00	1.79	29.626	O	|	|	|	|	14.48	40.917	0.00	1.77	28.865	O	|	|	|	|	14.21
35.833	0.00	1.79	29.613	O	|	|	|	|	14.48	41.000	0.00	1.77	28.853	O	|	|	|	|	14.21
35.917	0.00	1.79	29.601	O	|	|	|	|	14.47	41.083	0.00	1.77	28.841	O	|	|	|	|	14.21
36.000	0.00	1.79	29.589	O	|	|	|	|	14.47	41.167	0.00	1.77	28.829	O	|	|	|	|	14.20
36.083	0.00	1.79	29.577	O	|	|	|	|	14.46	41.250	0.00	1.77	28.817	O	|	|	|	|	14.20
36.167	0.00	1.79	29.564	O	|	|	|	|	14.46	41.333	0.00	1.77	28.804	O	|	|	|	|	14.19
36.250	0.00	1.79	29.552	O	|	|	|	|	14.46	41.417	0.00	1.77	28.792	O	|	|	|	|	14.19
36.333	0.00	1.79	29.540	O	|	|	|	|	14.45	41.500	0.00	1.77	28.780	O	|	|	|	|	14.18
36.417	0.00	1.79	29.527	O	|	|	|	|	14.45	41.583	0.00	1.77	28.768	O	|	|	|	|	14.18
36.500	0.00	1.79	29.515	O	|	|	|	|	14.44	41.667	0.00	1.77	28.756	O	|	|	|	|	14.18
36.583	0.00	1.79	29.503	O	|	|	|	|	14.44	41.750	0.00	1.77	28.743	O	|	|	|	|	14.17
36.667	0.00	1.79	29.490	O	|	|	|	|	14.43	41.833	0.00	1.77	28.731	O	|	|	|	|	14.17
36.750	0.00	1.79	29.478	O	|	|	|	|	14.43	41.917	0.00	1.77	28.719	O	|	|	|	|	14.16
36.833	0.00	1.79	29.466	O	|	|	|	|	14.43	42.000	0.00	1.77	28.707	O	|	|	|	|	14.16
36.917	0.00	1.79	29.453	O	|	|	|	|	14.42	42.083	0.00	1.77	28.695	O	|	|	|	|	14.15
37.000	0.00	1.79	29.441	O	|	|	|	|	14.42	42.167	0.00	1.77	28.682	O	|	|	|	|	14.15
37.083	0.00	1.78	29.429	O	|	|	|	|	14.41	42.250	0.00	1.77	28.670	O	|	|	|	|	14.15
37.167	0.00	1.78	29.417	O	|	|	|	|	14.41	42.333	0.00	1.77	28.658	O	|	|	|	|	14.14
37.250	0.00	1.78	29.404	O	|	|	|	|	14.40	42.417	0.00	1.77	28.646	O	|	|	|	|	14.14
37.333	0.00	1.78	29.392	O	|	|	|	|	14.40	42.500	0.00	1.77	28.634	O	|	|	|	|	14.13
37.417	0.00	1.78	29.380	O	|	|	|	|	14.40	42.583	0.00	1.77	28.622	O	|	|	|	|	14.13
37.500	0.00	1.78	29.367	O	|	|	|	|	14.39	42.667	0.00	1.77	28.609	O	|	|	|	|	14.12
37.583	0.00	1.78	29.355	O	|	|	|	|	14.39	42.750	0.00	1.77	28.597	O	|	|	|	|	14.12
37.667	0.00	1.78	29.343	O	|	|	|	|	14.38	42.833	0.00	1.77	28.585	O	|	|	|	|	14.12
37.750	0.00	1.78	29.331	O	|	|	|	|	14.38	42.917	0.00	1.77	28.573	O	|	|	|	|	14.11
37.833	0.00	1.78	29.318	O	|	|	|	|	14.37	43.000	0.00	1.77	28.561	O	|	|	|	|	14.11
37.917	0.00	1.78	29.306	O	|	|	|	|	14.37	43.083	0.00	1.77	28.549	O	|	|	|	|	14.10
38.000	0.00	1.78	29.294	O	|	|	|	|	14.37	43.167	0.00	1.77	28.536	O	|	|	|	|	14.10
38.083	0.00	1.78	29.282	O	|	|	|	|	14.36	43.250	0.00	1.77	28.524	O	|	|	|	|	14.10
38.167	0.00	1.78	29.269	O	|	|	|	|	14.36	43.333	0.00	1.77	28.512	O	|	|	|	|	14.09
38.250	0.00	1.78	29.257	O	|	|	|	|	14.35	43.417	0.00	1.77	28.500	O	|	|	|	|	14.09
38.333	0.00	1.78	29.245	O	|	|	|	|	14.35	43.500	0.00	1.76	28.488	O	|	|	|	|	14.08
38.417	0.00	1.78	29.232	O	|	|	|	|	14.34	43.583	0.00	1.76	28.476	O	|	|	|	|	14.08
38.500	0.00	1.78	29.220	O	|	|	|	|	14.34	43.667	0.00	1.76	28.463	O	|	|	|	|	14.07
38.583	0.00	1.78	29.208	O	|	|	|	|	14.33	43.750	0.00	1.76	28.451	O	|	|	|	|	14.07
38.667	0.00	1.78	29.196	O	|	|	|	|	14.33	43.833	0.00	1.76	28.439	O	|	|	|	|	14.07
38.750	0.00	1.78	29.183	O	|	|	|	|	14.33	43.917	0.00	1.76	28.427	O	|	|	|	|	14.06
38.833	0.00	1.78	29.171	O	|	|	|	|	14.32	44.000	0.00	1.76	28.415	O	|	|	|	|	14.06
38.917	0.00	1.78	29.159	O	|	|	|	|	14.32	44.083	0.00	1.76	28.403	O	|	|	|	|	14.05
39.000	0.00	1.78	29.147	O	|	|	|	|	14.31	44.167	0.00	1.76	28.391	O	|	|	|	|	14.05
39.083	0.00	1.78	29.134	O	|	|	|	|	14.31	44.250	0.00	1.76	28.378	O	|	|	|	|	14.04
39.167	0.00	1.78	29.122	O	|	|	|	|	14.30	44.333	0.00	1.76	28.366	O	|	|	|	|	14.04
39.250	0.00	1.78	29.110	O	|	|	|	|	14.30	44.417	0.00	1.76	28.354	O	|	|	|	|	14.04
39.333	0.00	1.78	29.098	O	|	|	|	|	14.30	44.500	0.00	1.76	28.342	O	|	|	|	|	14.03
39.417	0.00	1.78	29.085	O	|	|	|	|	14.29	44.583	0.00	1.76	28.330	O	|	|	|	|	14.03
39.500	0.00	1.78	29.073	O	|	|	|	|	14.29	44.667	0.00	1.76	28.318	O	|	|	|	|	14.02
39.583	0.00	1.78	29.061	O	|	|	|	|	14.28	44.750	0.00	1.76	28.306	O	|	|	|	|	14.02
39.667	0.00	1.78	29.049	O	|	|	|	|	14.28	44.833	0.00	1.76	28.293	O	|	|	|	|	14.01
39.750	0.00	1.78	29.036	O	|	|	|	|	14.27	44.917	0.00	1.76	28.281	O	|	|	|	|	14.01

45.000	0.00	1.76	28.269	O	|	|	|	|	14.01	50.167	0.00	1.74	27.521	O	|	|	|	|	13.73
45.083	0.00	1.76	28.257	O	|	|	|	|	14.00	50.250	0.00	1.74	27.509	O	|	|	|	|	13.73
45.167	0.00	1.76	28.245	O	|	|	|	|	14.00	50.333	0.00	1.74	27.497	O	|	|	|	|	13.72
45.250	0.00	1.76	28.233	O	|	|	|	|	13.99	50.417	0.00	1.74	27.485	O	|	|	|	|	13.72
45.333	0.00	1.76	28.221	O	|	|	|	|	13.99	50.500	0.00	1.74	27.473	O	|	|	|	|	13.71
45.417	0.00	1.76	28.209	O	|	|	|	|	13.98	50.583	0.00	1.74	27.461	O	|	|	|	|	13.71
45.500	0.00	1.76	28.196	O	|	|	|	|	13.98	50.667	0.00	1.74	27.449	O	|	|	|	|	13.70
45.583	0.00	1.76	28.184	O	|	|	|	|	13.97	50.750	0.00	1.74	27.437	O	|	|	|	|	13.70
45.667	0.00	1.76	28.172	O	|	|	|	|	13.97	50.833	0.00	1.74	27.425	O	|	|	|	|	13.69
45.750	0.00	1.76	28.160	O	|	|	|	|	13.97	50.917	0.00	1.74	27.413	O	|	|	|	|	13.69
45.833	0.00	1.76	28.148	O	|	|	|	|	13.96	51.000	0.00	1.74	27.401	O	|	|	|	|	13.69
45.917	0.00	1.76	28.136	O	|	|	|	|	13.96	51.083	0.00	1.74	27.389	O	|	|	|	|	13.68
46.000	0.00	1.76	28.124	O	|	|	|	|	13.95	51.167	0.00	1.74	27.377	O	|	|	|	|	13.68
46.083	0.00	1.76	28.112	O	|	|	|	|	13.95	51.250	0.00	1.74	27.365	O	|	|	|	|	13.67
46.167	0.00	1.76	28.100	O	|	|	|	|	13.94	51.333	0.00	1.74	27.353	O	|	|	|	|	13.67
46.250	0.00	1.76	28.088	O	|	|	|	|	13.94	51.417	0.00	1.74	27.341	O	|	|	|	|	13.66
46.333	0.00	1.76	28.075	O	|	|	|	|	13.93	51.500	0.00	1.74	27.329	O	|	|	|	|	13.66
46.417	0.00	1.76	28.063	O	|	|	|	|	13.93	51.583	0.00	1.74	27.317	O	|	|	|	|	13.65
46.500	0.00	1.76	28.051	O	|	|	|	|	13.93	51.667	0.00	1.74	27.305	O	|	|	|	|	13.65
46.583	0.00	1.76	28.039	O	|	|	|	|	13.92	51.750	0.00	1.74	27.293	O	|	|	|	|	13.65
46.667	0.00	1.76	28.027	O	|	|	|	|	13.92	51.833	0.00	1.74	27.281	O	|	|	|	|	13.64
46.750	0.00	1.75	28.015	O	|	|	|	|	13.91	51.917	0.00	1.74	27.269	O	|	|	|	|	13.64
46.833	0.00	1.75	28.003	O	|	|	|	|	13.91	52.000	0.00	1.74	27.257	O	|	|	|	|	13.63
46.917	0.00	1.75	27.991	O	|	|	|	|	13.90	52.083	0.00	1.74	27.245	O	|	|	|	|	13.63
47.000	0.00	1.75	27.979	O	|	|	|	|	13.90	52.167	0.00	1.74	27.233	O	|	|	|	|	13.62
47.083	0.00	1.75	27.967	O	|	|	|	|	13.89	52.250	0.00	1.74	27.221	O	|	|	|	|	13.62
47.167	0.00	1.75	27.955	O	|	|	|	|	13.89	52.333	0.00	1.74	27.209	O	|	|	|	|	13.62
47.250	0.00	1.75	27.943	O	|	|	|	|	13.89	52.417	0.00	1.74	27.197	O	|	|	|	|	13.61
47.333	0.00	1.75	27.930	O	|	|	|	|	13.88	52.500	0.00	1.74	27.186	O	|	|	|	|	13.61
47.417	0.00	1.75	27.918	O	|	|	|	|	13.88	52.583	0.00	1.74	27.174	O	|	|	|	|	13.60
47.500	0.00	1.75	27.906	O	|	|	|	|	13.87	52.667	0.00	1.74	27.162	O	|	|	|	|	13.60
47.583	0.00	1.75	27.894	O	|	|	|	|	13.87	52.750	0.00	1.74	27.150	O	|	|	|	|	13.59
47.667	0.00	1.75	27.882	O	|	|	|	|	13.86	52.833	0.00	1.74	27.138	O	|	|	|	|	13.59
47.750	0.00	1.75	27.870	O	|	|	|	|	13.86	52.917	0.00	1.74	27.126	O	|	|	|	|	13.58
47.833	0.00	1.75	27.858	O	|	|	|	|	13.85	53.000	0.00	1.73	27.114	O	|	|	|	|	13.58
47.917	0.00	1.75	27.846	O	|	|	|	|	13.85	53.083	0.00	1.73	27.102	O	|	|	|	|	13.58
48.000	0.00	1.75	27.834	O	|	|	|	|	13.85	53.167	0.00	1.73	27.090	O	|	|	|	|	13.57
48.083	0.00	1.75	27.822	O	|	|	|	|	13.84	53.250	0.00	1.73	27.078	O	|	|	|	|	13.57
48.167	0.00	1.75	27.810	O	|	|	|	|	13.84	53.333	0.00	1.73	27.066	O	|	|	|	|	13.56
48.250	0.00	1.75	27.798	O	|	|	|	|	13.83	53.417	0.00	1.73	27.054	O	|	|	|	|	13.56
48.333	0.00	1.75	27.786	O	|	|	|	|	13.83	53.500	0.00	1.73	27.042	O	|	|	|	|	13.55
48.417	0.00	1.75	27.774	O	|	|	|	|	13.82	53.583	0.00	1.73	27.030	O	|	|	|	|	13.55
48.500	0.00	1.75	27.762	O	|	|	|	|	13.82	53.667	0.00	1.73	27.018	O	|	|	|	|	13.54
48.583	0.00	1.75	27.750	O	|	|	|	|	13.81	53.750	0.00	1.73	27.006	O	|	|	|	|	13.54
48.667	0.00	1.75	27.738	O	|	|	|	|	13.81	53.833	0.00	1.73	26.994	O	|	|	|	|	13.54
48.750	0.00	1.75	27.726	O	|	|	|	|	13.81	53.917	0.00	1.73	26.982	O	|	|	|	|	13.53
48.833	0.00	1.75	27.713	O	|	|	|	|	13.80	54.000	0.00	1.73	26.971	O	|	|	|	|	13.53
48.917	0.00	1.75	27.701	O	|	|	|	|	13.80	54.083	0.00	1.73	26.959	O	|	|	|	|	13.52
49.000	0.00	1.75	27.689	O	|	|	|	|	13.79	54.167	0.00	1.73	26.947	O	|	|	|	|	13.52
49.083	0.00	1.75	27.677	O	|	|	|	|	13.79	54.250	0.00	1.73	26.935	O	|	|	|	|	13.51
49.167	0.00	1.75	27.665	O	|	|	|	|	13.78	54.333	0.00	1.73	26.923	O	|	|	|	|	13.51
49.250	0.00	1.75	27.653	O	|	|	|	|	13.78	54.417	0.00	1.73	26.911	O	|	|	|	|	13.50
49.333	0.00	1.75	27.641	O	|	|	|	|	13.77	54.500	0.00	1.73	26.899	O	|	|	|	|	13.50
49.417	0.00	1.75	27.629	O	|	|	|	|	13.77	54.583	0.00	1.73	26.887	O	|	|	|	|	13.50
49.500	0.00	1.75	27.617	O	|	|	|	|	13.77	54.667	0.00	1.73	26.875	O	|	|	|	|	13.49
49.583	0.00	1.75	27.605	O	|	|	|	|	13.76	54.750	0.00	1.73	26.863	O	|	|	|	|	13.49
49.667	0.00	1.75	27.593	O	|	|	|	|	13.76	54.833	0.00	1.73	26.851	O	|	|	|	|	13.48
49.750	0.00	1.75	27.581	O	|	|	|	|	13.75	54.917	0.00	1.73	26.839	O	|	|	|	|	13.48
49.833	0.00	1.74	27.569	O	|	|	|	|	13.75	55.000	0.00	1.73	26.828	O	|	|	|	|	13.47
49.917	0.00	1.74	27.557	O	|	|	|	|	13.74	55.083	0.00	1.73	26.816	O	|	|	|	|	13.47
50.000	0.00	1.74	27.545	O	|	|	|	|	13.74	55.167	0.00	1.73	26.804	O	|	|	|	|	13.47
50.083	0.00	1.74	27.533	O	|	|	|	|	13.73	55.250	0.00	1.73	26.792	O	|	|	|	|	13.46

55.333	0.00	1.73	26.780	O	|	|	|	|	13.46	60.500	0.00	1.71	26.046	O	|	|	|	|	13.19
55.417	0.00	1.73	26.768	O	|	|	|	|	13.45	60.583	0.00	1.71	26.034	O	|	|	|	|	13.18
55.500	0.00	1.73	26.756	O	|	|	|	|	13.45	60.667	0.00	1.71	26.022	O	|	|	|	|	13.18
55.583	0.00	1.73	26.744	O	|	|	|	|	13.44	60.750	0.00	1.71	26.011	O	|	|	|	|	13.17
55.667	0.00	1.73	26.732	O	|	|	|	|	13.44	60.833	0.00	1.71	25.999	O	|	|	|	|	13.17
55.750	0.00	1.73	26.721	O	|	|	|	|	13.43	60.917	0.00	1.71	25.987	O	|	|	|	|	13.16
55.833	0.00	1.73	26.709	O	|	|	|	|	13.43	61.000	0.00	1.71	25.975	O	|	|	|	|	13.16
55.917	0.00	1.73	26.697	O	|	|	|	|	13.43	61.083	0.00	1.71	25.963	O	|	|	|	|	13.16
56.000	0.00	1.73	26.685	O	|	|	|	|	13.42	61.167	0.00	1.71	25.952	O	|	|	|	|	13.15
56.083	0.00	1.73	26.673	O	|	|	|	|	13.42	61.250	0.00	1.71	25.940	O	|	|	|	|	13.15
56.167	0.00	1.72	26.661	O	|	|	|	|	13.41	61.333	0.00	1.71	25.928	O	|	|	|	|	13.14
56.250	0.00	1.72	26.649	O	|	|	|	|	13.41	61.417	0.00	1.71	25.916	O	|	|	|	|	13.14
56.333	0.00	1.72	26.637	O	|	|	|	|	13.40	61.500	0.00	1.71	25.905	O	|	|	|	|	13.13
56.417	0.00	1.72	26.625	O	|	|	|	|	13.40	61.583	0.00	1.71	25.893	O	|	|	|	|	13.13
56.500	0.00	1.72	26.614	O	|	|	|	|	13.40	61.667	0.00	1.71	25.881	O	|	|	|	|	13.13
56.583	0.00	1.72	26.602	O	|	|	|	|	13.39	61.750	0.00	1.71	25.869	O	|	|	|	|	13.12
56.667	0.00	1.72	26.590	O	|	|	|	|	13.39	61.833	0.00	1.71	25.858	O	|	|	|	|	13.12
56.750	0.00	1.72	26.578	O	|	|	|	|	13.38	61.917	0.00	1.71	25.846	O	|	|	|	|	13.11
56.833	0.00	1.72	26.566	O	|	|	|	|	13.38	62.000	0.00	1.71	25.834	O	|	|	|	|	13.11
56.917	0.00	1.72	26.554	O	|	|	|	|	13.37	62.083	0.00	1.71	25.822	O	|	|	|	|	13.10
57.000	0.00	1.72	26.542	O	|	|	|	|	13.37	62.167	0.00	1.71	25.811	O	|	|	|	|	13.10
57.083	0.00	1.72	26.531	O	|	|	|	|	13.36	62.250	0.00	1.71	25.799	O	|	|	|	|	13.09
57.167	0.00	1.72	26.519	O	|	|	|	|	13.36	62.333	0.00	1.71	25.787	O	|	|	|	|	13.09
57.250	0.00	1.72	26.507	O	|	|	|	|	13.36	62.417	0.00	1.71	25.775	O	|	|	|	|	13.09
57.333	0.00	1.72	26.495	O	|	|	|	|	13.35	62.500	0.00	1.70	25.764	O	|	|	|	|	13.08
57.417	0.00	1.72	26.483	O	|	|	|	|	13.35	62.583	0.00	1.70	25.752	O	|	|	|	|	13.08
57.500	0.00	1.72	26.471	O	|	|	|	|	13.34	62.667	0.00	1.70	25.740	O	|	|	|	|	13.07
57.583	0.00	1.72	26.459	O	|	|	|	|	13.34	62.750	0.00	1.70	25.728	O	|	|	|	|	13.07
57.667	0.00	1.72	26.448	O	|	|	|	|	13.33	62.833	0.00	1.70	25.717	O	|	|	|	|	13.06
57.750	0.00	1.72	26.436	O	|	|	|	|	13.33	62.917	0.00	1.70	25.705	O	|	|	|	|	13.06
57.833	0.00	1.72	26.424	O	|	|	|	|	13.33	63.000	0.00	1.70	25.693	O	|	|	|	|	13.06
57.917	0.00	1.72	26.412	O	|	|	|	|	13.32	63.083	0.00	1.70	25.681	O	|	|	|	|	13.05
58.000	0.00	1.72	26.400	O	|	|	|	|	13.32	63.167	0.00	1.70	25.670	O	|	|	|	|	13.05
58.083	0.00	1.72	26.388	O	|	|	|	|	13.31	63.250	0.00	1.70	25.658	O	|	|	|	|	13.04
58.167	0.00	1.72	26.377	O	|	|	|	|	13.31	63.333	0.00	1.70	25.646	O	|	|	|	|	13.04
58.250	0.00	1.72	26.365	O	|	|	|	|	13.30	63.417	0.00	1.70	25.634	O	|	|	|	|	13.03
58.333	0.00	1.72	26.353	O	|	|	|	|	13.30	63.500	0.00	1.70	25.623	O	|	|	|	|	13.03
58.417	0.00	1.72	26.341	O	|	|	|	|	13.29	63.583	0.00	1.70	25.611	O	|	|	|	|	13.03
58.500	0.00	1.72	26.329	O	|	|	|	|	13.29	63.667	0.00	1.70	25.599	O	|	|	|	|	13.02
58.583	0.00	1.72	26.317	O	|	|	|	|	13.29	63.750	0.00	1.70	25.588	O	|	|	|	|	13.02
58.667	0.00	1.72	26.306	O	|	|	|	|	13.28	63.833	0.00	1.70	25.576	O	|	|	|	|	13.01
58.750	0.00	1.72	26.294	O	|	|	|	|	13.28	63.917	0.00	1.70	25.564	O	|	|	|	|	13.01
58.833	0.00	1.72	26.282	O	|	|	|	|	13.27	64.000	0.00	1.70	25.552	O	|	|	|	|	13.00
58.917	0.00	1.72	26.270	O	|	|	|	|	13.27	64.083	0.00	1.70	25.541	O	|	|	|	|	13.00
59.000	0.00	1.72	26.258	O	|	|	|	|	13.26	64.167	0.00	1.70	25.529	O	|	|	|	|	13.00
59.083	0.00	1.72	26.246	O	|	|	|	|	13.26	64.250	0.00	1.70	25.517	O	|	|	|	|	12.99
59.167	0.00	1.72	26.235	O	|	|	|	|	13.26	64.333	0.00	1.70	25.506	O	|	|	|	|	12.99
59.250	0.00	1.72	26.223	O	|	|	|	|	13.25	64.417	0.00	1.70	25.494	O	|	|	|	|	12.98
59.333	0.00	1.71	26.211	O	|	|	|	|	13.25	64.500	0.00	1.70	25.482	O	|	|	|	|	12.98
59.417	0.00	1.71	26.199	O	|	|	|	|	13.24	64.583	0.00	1.70	25.471	O	|	|	|	|	12.97
59.500	0.00	1.71	26.187	O	|	|	|	|	13.24	64.667	0.00	1.70	25.459	O	|	|	|	|	12.97
59.583	0.00	1.71	26.176	O	|	|	|	|	13.23	64.750	0.00	1.70	25.447	O	|	|	|	|	12.96
59.667	0.00	1.71	26.164	O	|	|	|	|	13.23	64.833	0.00	1.70	25.435	O	|	|	|	|	12.96
59.750	0.00	1.71	26.152	O	|	|	|	|	13.23	64.917	0.00	1.70	25.424	O	|	|	|	|	12.96
59.833	0.00	1.71	26.140	O	|	|	|	|	13.22	65.000	0.00	1.70	25.412	O	|	|	|	|	12.95
59.917	0.00	1.71	26.128	O	|	|	|	|	13.22	65.083	0.00	1.70	25.400	O	|	|	|	|	12.95
60.000	0.00	1.71	26.117	O	|	|	|	|	13.21	65.167	0.00	1.70	25.389	O	|	|	|	|	12.94
60.083	0.00	1.71	26.105	O	|	|	|	|	13.21	65.250	0.00	1.70	25.377	O	|	|	|	|	12.94
60.167	0.00	1.71	26.093	O	|	|	|	|	13.20	65.333	0.00	1.70	25.365	O	|	|	|	|	12.93
60.250	0.00	1.71	26.081	O	|	|	|	|	13.20	65.417	0.00	1.70	25.354	O	|	|	|	|	12.93
60.333	0.00	1.71	26.069	O	|	|	|	|	13.19	65.500	0.00	1.69	25.342	O	|	|	|	|	12.92
60.417	0.00	1.71	26.058	O	|	|	|	|	13.19	65.583	0.00	1.69	25.330	O	|	|	|	|	12.92

65.667	0.00	1.69	25.319	O	|	|	|	|	12.92	70.833	0.00	1.68	24.599	O	|	|	|	|	12.65
65.750	0.00	1.69	25.307	O	|	|	|	|	12.91	70.917	0.00	1.67	24.588	O	|	|	|	|	12.64
65.833	0.00	1.69	25.295	O	|	|	|	|	12.91	71.000	0.00	1.67	24.576	O	|	|	|	|	12.64
65.917	0.00	1.69	25.284	O	|	|	|	|	12.90	71.083	0.00	1.67	24.565	O	|	|	|	|	12.63
66.000	0.00	1.69	25.272	O	|	|	|	|	12.90	71.167	0.00	1.67	24.553	O	|	|	|	|	12.63
66.083	0.00	1.69	25.260	O	|	|	|	|	12.89	71.250	0.00	1.67	24.542	O	|	|	|	|	12.62
66.167	0.00	1.69	25.249	O	|	|	|	|	12.89	71.333	0.00	1.67	24.530	O	|	|	|	|	12.62
66.250	0.00	1.69	25.237	O	|	|	|	|	12.89	71.417	0.00	1.67	24.519	O	|	|	|	|	12.61
66.333	0.00	1.69	25.225	O	|	|	|	|	12.88	71.500	0.00	1.67	24.507	O	|	|	|	|	12.61
66.417	0.00	1.69	25.214	O	|	|	|	|	12.88	71.583	0.00	1.67	24.496	O	|	|	|	|	12.61
66.500	0.00	1.69	25.202	O	|	|	|	|	12.87	71.667	0.00	1.67	24.484	O	|	|	|	|	12.60
66.583	0.00	1.69	25.190	O	|	|	|	|	12.87	71.750	0.00	1.67	24.473	O	|	|	|	|	12.60
66.667	0.00	1.69	25.179	O	|	|	|	|	12.86	71.833	0.00	1.67	24.461	O	|	|	|	|	12.59
66.750	0.00	1.69	25.167	O	|	|	|	|	12.86	71.917	0.00	1.67	24.450	O	|	|	|	|	12.59
66.833	0.00	1.69	25.156	O	|	|	|	|	12.85	72.000	0.00	1.67	24.438	O	|	|	|	|	12.58
66.917	0.00	1.69	25.144	O	|	|	|	|	12.85	72.083	0.00	1.67	24.427	O	|	|	|	|	12.58
67.000	0.00	1.69	25.132	O	|	|	|	|	12.85	72.167	0.00	1.67	24.415	O	|	|	|	|	12.58
67.083	0.00	1.69	25.121	O	|	|	|	|	12.84	72.250	0.00	1.67	24.404	O	|	|	|	|	12.57
67.167	0.00	1.69	25.109	O	|	|	|	|	12.84	72.333	0.00	1.67	24.392	O	|	|	|	|	12.57
67.250	0.00	1.69	25.097	O	|	|	|	|	12.83	72.417	0.00	1.67	24.381	O	|	|	|	|	12.56
67.333	0.00	1.69	25.086	O	|	|	|	|	12.83	72.500	0.00	1.67	24.369	O	|	|	|	|	12.56
67.417	0.00	1.69	25.074	O	|	|	|	|	12.82	72.583	0.00	1.67	24.358	O	|	|	|	|	12.55
67.500	0.00	1.69	25.063	O	|	|	|	|	12.82	72.667	0.00	1.67	24.346	O	|	|	|	|	12.55
67.583	0.00	1.69	25.051	O	|	|	|	|	12.82	72.750	0.00	1.67	24.335	O	|	|	|	|	12.55
67.667	0.00	1.69	25.039	O	|	|	|	|	12.81	72.833	0.00	1.67	24.323	O	|	|	|	|	12.54
67.750	0.00	1.69	25.028	O	|	|	|	|	12.81	72.917	0.00	1.67	24.312	O	|	|	|	|	12.54
67.833	0.00	1.69	25.016	O	|	|	|	|	12.80	73.000	0.00	1.67	24.300	O	|	|	|	|	12.53
67.917	0.00	1.69	25.004	O	|	|	|	|	12.80	73.083	0.00	1.67	24.289	O	|	|	|	|	12.53
68.000	0.00	1.69	24.993	O	|	|	|	|	12.79	73.167	0.00	1.67	24.277	O	|	|	|	|	12.52
68.083	0.00	1.69	24.981	O	|	|	|	|	12.79	73.250	0.00	1.67	24.266	O	|	|	|	|	12.52
68.167	0.00	1.68	24.970	O	|	|	|	|	12.78	73.333	0.00	1.67	24.254	O	|	|	|	|	12.52
68.250	0.00	1.68	24.958	O	|	|	|	|	12.78	73.417	0.00	1.67	24.243	O	|	|	|	|	12.51
68.333	0.00	1.68	24.946	O	|	|	|	|	12.78	73.500	0.00	1.67	24.231	O	|	|	|	|	12.51
68.417	0.00	1.68	24.935	O	|	|	|	|	12.77	73.583	0.00	1.67	24.220	O	|	|	|	|	12.50
68.500	0.00	1.68	24.923	O	|	|	|	|	12.77	73.667	0.00	1.66	24.208	O	|	|	|	|	12.50
68.583	0.00	1.68	24.912	O	|	|	|	|	12.76	73.750	0.00	1.66	24.197	O	|	|	|	|	12.49
68.667	0.00	1.68	24.900	O	|	|	|	|	12.76	73.833	0.00	1.66	24.185	O	|	|	|	|	12.49
68.750	0.00	1.68	24.888	O	|	|	|	|	12.75	73.917	0.00	1.66	24.174	O	|	|	|	|	12.48
68.833	0.00	1.68	24.877	O	|	|	|	|	12.75	74.000	0.00	1.66	24.162	O	|	|	|	|	12.48
68.917	0.00	1.68	24.865	O	|	|	|	|	12.75	74.083	0.00	1.66	24.151	O	|	|	|	|	12.48
69.000	0.00	1.68	24.854	O	|	|	|	|	12.74	74.167	0.00	1.66	24.140	O	|	|	|	|	12.47
69.083	0.00	1.68	24.842	O	|	|	|	|	12.74	74.250	0.00	1.66	24.128	O	|	|	|	|	12.47
69.167	0.00	1.68	24.831	O	|	|	|	|	12.73	74.333	0.00	1.66	24.117	O	|	|	|	|	12.46
69.250	0.00	1.68	24.819	O	|	|	|	|	12.73	74.417	0.00	1.66	24.105	O	|	|	|	|	12.46
69.333	0.00	1.68	24.807	O	|	|	|	|	12.72	74.500	0.00	1.66	24.094	O	|	|	|	|	12.45
69.417	0.00	1.68	24.796	O	|	|	|	|	12.72	74.583	0.00	1.66	24.082	O	|	|	|	|	12.45
69.500	0.00	1.68	24.784	O	|	|	|	|	12.71	74.667	0.00	1.66	24.071	O	|	|	|	|	12.45
69.583	0.00	1.68	24.773	O	|	|	|	|	12.71	74.750	0.00	1.66	24.059	O	|	|	|	|	12.44
69.667	0.00	1.68	24.761	O	|	|	|	|	12.71	74.833	0.00	1.66	24.048	O	|	|	|	|	12.44
69.750	0.00	1.68	24.750	O	|	|	|	|	12.70	74.917	0.00	1.66	24.037	O	|	|	|	|	12.43
69.833	0.00	1.68	24.738	O	|	|	|	|	12.70	75.000	0.00	1.66	24.025	O	|	|	|	|	12.43
69.917	0.00	1.68	24.726	O	|	|	|	|	12.69	75.083	0.00	1.66	24.014	O	|	|	|	|	12.42
70.000	0.00	1.68	24.715	O	|	|	|	|	12.69	75.167	0.00	1.66	24.002	O	|	|	|	|	12.42
70.083	0.00	1.68	24.703	O	|	|	|	|	12.68	75.250	0.00	1.66	23.991	O	|	|	|	|	12.42
70.167	0.00	1.68	24.692	O	|	|	|	|	12.68	75.333	0.00	1.66	23.979	O	|	|	|	|	12.41
70.250	0.00	1.68	24.680	O	|	|	|	|	12.68	75.417	0.00	1.66	23.968	O	|	|	|	|	12.41
70.333	0.00	1.68	24.669	O	|	|	|	|	12.67	75.500	0.00	1.66	23.957	O	|	|	|	|	12.40
70.417	0.00	1.68	24.657	O	|	|	|	|	12.67	75.583	0.00	1.66	23.945	O	|	|	|	|	12.40
70.500	0.00	1.68	24.646	O	|	|	|	|	12.66	75.667	0.00	1.66	23.934	O	|	|	|	|	12.39
70.583	0.00	1.68	24.634	O	|	|	|	|	12.66	75.750	0.00	1.66	23.922	O	|	|	|	|	12.39
70.667	0.00	1.68	24.622	O	|	|	|	|	12.65	75.833	0.00	1.66	23.911	O	|	|	|	|	12.39
70.750	0.00	1.68	24.611	O	|	|	|	|	12.65	75.917	0.00	1.66	23.900	O	|	|	|	|	12.38

76.000	0.00	1.66	23.888	O	|	|	|	|	12.38	81.167	0.00	1.64	23.185	O	|	|	|	|	12.11
76.083	0.00	1.66	23.877	O	|	|	|	|	12.37	81.250	0.00	1.64	23.174	O	|	|	|	|	12.11
76.167	0.00	1.66	23.865	O	|	|	|	|	12.37	81.333	0.00	1.64	23.162	O	|	|	|	|	12.10
76.250	0.00	1.66	23.854	O	|	|	|	|	12.36	81.417	0.00	1.64	23.151	O	|	|	|	|	12.10
76.333	0.00	1.66	23.842	O	|	|	|	|	12.36	81.500	0.00	1.64	23.140	O	|	|	|	|	12.10
76.417	0.00	1.65	23.831	O	|	|	|	|	12.36	81.583	0.00	1.64	23.128	O	|	|	|	|	12.09
76.500	0.00	1.65	23.820	O	|	|	|	|	12.35	81.667	0.00	1.64	23.117	O	|	|	|	|	12.09
76.583	0.00	1.65	23.808	O	|	|	|	|	12.35	81.750	0.00	1.64	23.106	O	|	|	|	|	12.08
76.667	0.00	1.65	23.797	O	|	|	|	|	12.34	81.833	0.00	1.64	23.095	O	|	|	|	|	12.08
76.750	0.00	1.65	23.786	O	|	|	|	|	12.34	81.917	0.00	1.64	23.083	O	|	|	|	|	12.07
76.833	0.00	1.65	23.774	O	|	|	|	|	12.33	82.000	0.00	1.63	23.072	O	|	|	|	|	12.07
76.917	0.00	1.65	23.763	O	|	|	|	|	12.33	82.083	0.00	1.63	23.061	O	|	|	|	|	12.07
77.000	0.00	1.65	23.751	O	|	|	|	|	12.33	82.167	0.00	1.63	23.050	O	|	|	|	|	12.06
77.083	0.00	1.65	23.740	O	|	|	|	|	12.32	82.250	0.00	1.63	23.038	O	|	|	|	|	12.06
77.167	0.00	1.65	23.729	O	|	|	|	|	12.32	82.333	0.00	1.63	23.027	O	|	|	|	|	12.05
77.250	0.00	1.65	23.717	O	|	|	|	|	12.31	82.417	0.00	1.63	23.016	O	|	|	|	|	12.05
77.333	0.00	1.65	23.706	O	|	|	|	|	12.31	82.500	0.00	1.63	23.005	O	|	|	|	|	12.04
77.417	0.00	1.65	23.694	O	|	|	|	|	12.30	82.583	0.00	1.63	22.993	O	|	|	|	|	12.04
77.500	0.00	1.65	23.683	O	|	|	|	|	12.30	82.667	0.00	1.63	22.982	O	|	|	|	|	12.04
77.583	0.00	1.65	23.672	O	|	|	|	|	12.30	82.750	0.00	1.63	22.971	O	|	|	|	|	12.03
77.667	0.00	1.65	23.660	O	|	|	|	|	12.29	82.833	0.00	1.63	22.960	O	|	|	|	|	12.03
77.750	0.00	1.65	23.649	O	|	|	|	|	12.29	82.917	0.00	1.63	22.948	O	|	|	|	|	12.02
77.833	0.00	1.65	23.638	O	|	|	|	|	12.28	83.000	0.00	1.63	22.937	O	|	|	|	|	12.02
77.917	0.00	1.65	23.626	O	|	|	|	|	12.28	83.083	0.00	1.63	22.926	O	|	|	|	|	12.02
78.000	0.00	1.65	23.615	O	|	|	|	|	12.27	83.167	0.00	1.63	22.915	O	|	|	|	|	12.01
78.083	0.00	1.65	23.604	O	|	|	|	|	12.27	83.250	0.00	1.63	22.903	O	|	|	|	|	12.01
78.167	0.00	1.65	23.592	O	|	|	|	|	12.27	83.333	0.00	1.63	22.892	O	|	|	|	|	12.00
78.250	0.00	1.65	23.581	O	|	|	|	|	12.26	83.417	0.00	1.63	22.881	O	|	|	|	|	12.00
78.333	0.00	1.65	23.569	O	|	|	|	|	12.26	83.500	0.00	1.63	22.870	O	|	|	|	|	11.99
78.417	0.00	1.65	23.558	O	|	|	|	|	12.25	83.583	0.00	1.63	22.859	O	|	|	|	|	11.99
78.500	0.00	1.65	23.547	O	|	|	|	|	12.25	83.667	0.00	1.63	22.847	O	|	|	|	|	11.98
78.583	0.00	1.65	23.535	O	|	|	|	|	12.24	83.750	0.00	1.63	22.836	O	|	|	|	|	11.98
78.667	0.00	1.65	23.524	O	|	|	|	|	12.24	83.833	0.00	1.63	22.825	O	|	|	|	|	11.98
78.750	0.00	1.65	23.513	O	|	|	|	|	12.24	83.917	0.00	1.63	22.814	O	|	|	|	|	11.97
78.833	0.00	1.65	23.501	O	|	|	|	|	12.23	84.000	0.00	1.63	22.802	O	|	|	|	|	11.97
78.917	0.00	1.65	23.490	O	|	|	|	|	12.23	84.083	0.00	1.63	22.791	O	|	|	|	|	11.96
79.000	0.00	1.65	23.479	O	|	|	|	|	12.22	84.167	0.00	1.63	22.780	O	|	|	|	|	11.96
79.083	0.00	1.65	23.467	O	|	|	|	|	12.22	84.250	0.00	1.63	22.769	O	|	|	|	|	11.95
79.167	0.00	1.65	23.456	O	|	|	|	|	12.21	84.333	0.00	1.63	22.758	O	|	|	|	|	11.95
79.250	0.00	1.64	23.445	O	|	|	|	|	12.21	84.417	0.00	1.63	22.746	O	|	|	|	|	11.95
79.333	0.00	1.64	23.433	O	|	|	|	|	12.21	84.500	0.00	1.63	22.735	O	|	|	|	|	11.94
79.417	0.00	1.64	23.422	O	|	|	|	|	12.20	84.583	0.00	1.63	22.724	O	|	|	|	|	11.94
79.500	0.00	1.64	23.411	O	|	|	|	|	12.20	84.667	0.00	1.63	22.713	O	|	|	|	|	11.93
79.583	0.00	1.64	23.399	O	|	|	|	|	12.19	84.750	0.00	1.62	22.702	O	|	|	|	|	11.93
79.667	0.00	1.64	23.388	O	|	|	|	|	12.19	84.833	0.00	1.62	22.690	O	|	|	|	|	11.92
79.750	0.00	1.64	23.377	O	|	|	|	|	12.18	84.917	0.00	1.62	22.679	O	|	|	|	|	11.92
79.833	0.00	1.64	23.366	O	|	|	|	|	12.18	85.000	0.00	1.62	22.668	O	|	|	|	|	11.92
79.917	0.00	1.64	23.354	O	|	|	|	|	12.18	85.083	0.00	1.62	22.657	O	|	|	|	|	11.91
80.000	0.00	1.64	23.343	O	|	|	|	|	12.17	85.167	0.00	1.62	22.646	O	|	|	|	|	11.91
80.083	0.00	1.64	23.332	O	|	|	|	|	12.17	85.250	0.00	1.62	22.635	O	|	|	|	|	11.90
80.167	0.00	1.64	23.320	O	|	|	|	|	12.16	85.333	0.00	1.62	22.623	O	|	|	|	|	11.90
80.250	0.00	1.64	23.309	O	|	|	|	|	12.16	85.417	0.00	1.62	22.612	O	|	|	|	|	11.89
80.333	0.00	1.64	23.298	O	|	|	|	|	12.16	85.500	0.00	1.62	22.601	O	|	|	|	|	11.89
80.417	0.00	1.64	23.286	O	|	|	|	|	12.15	85.583	0.00	1.62	22.590	O	|	|	|	|	11.88
80.500	0.00	1.64	23.275	O	|	|	|	|	12.15	85.667	0.00	1.62	22.579	O	|	|	|	|	11.88
80.583	0.00	1.64	23.264	O	|	|	|	|	12.14	85.750	0.00	1.62	22.567	O	|	|	|	|	11.88
80.667	0.00	1.64	23.253	O	|	|	|	|	12.14	85.833	0.00	1.62	22.556	O	|	|	|	|	11.87
80.750	0.00	1.64	23.241	O	|	|	|	|	12.13	85.917	0.00	1.62	22.545	O	|	|	|	|	11.87
80.833	0.00	1.64	23.230	O	|	|	|	|	12.13	86.000	0.00	1.62	22.534	O	|	|	|	|	11.86
80.917	0.00	1.64	23.219	O	|	|	|	|	12.13	86.083	0.00	1.62	22.523	O	|	|	|	|	11.86
81.000	0.00	1.64	23.207	O	|	|	|	|	12.12	86.167	0.00	1.62	22.512	O	|	|	|	|	11.85
81.083	0.00	1.64	23.196	O	|	|	|	|	12.12	86.250	0.00	1.62	22.501	O	|	|	|	|	11.85

86.333	0.00	1.62	22.489	O					11.85	91.500	0.00	1.60	21.802	O					11.58
86.417	0.00	1.62	22.478	O					11.84	91.583	0.00	1.60	21.791	O					11.57
86.500	0.00	1.62	22.467	O					11.84	91.667	0.00	1.60	21.780	O					11.57
86.583	0.00	1.62	22.456	O					11.83	91.750	0.00	1.60	21.769	O					11.56
86.667	0.00	1.62	22.445	O					11.83	91.833	0.00	1.60	21.758	O					11.56
86.750	0.00	1.62	22.434	O					11.82	91.917	0.00	1.60	21.747	O					11.56
86.833	0.00	1.62	22.423	O					11.82	92.000	0.00	1.60	21.736	O					11.55
86.917	0.00	1.62	22.411	O					11.81	92.083	0.00	1.60	21.725	O					11.55
87.000	0.00	1.62	22.400	O					11.81	92.167	0.00	1.60	21.714	O					11.54
87.083	0.00	1.62	22.389	O					11.81	92.250	0.00	1.60	21.703	O					11.54
87.167	0.00	1.62	22.378	O					11.80	92.333	0.00	1.60	21.692	O					11.53
87.250	0.00	1.62	22.367	O					11.80	92.417	0.00	1.60	21.681	O					11.53
87.333	0.00	1.62	22.356	O					11.79	92.500	0.00	1.60	21.670	O					11.53
87.417	0.00	1.62	22.345	O					11.79	92.583	0.00	1.60	21.659	O					11.52
87.500	0.00	1.61	22.333	O					11.78	92.667	0.00	1.60	21.648	O					11.52
87.583	0.00	1.61	22.322	O					11.78	92.750	0.00	1.60	21.637	O					11.51
87.667	0.00	1.61	22.311	O					11.78	92.833	0.00	1.60	21.626	O					11.51
87.750	0.00	1.61	22.300	O					11.77	92.917	0.00	1.60	21.615	O					11.50
87.833	0.00	1.61	22.289	O					11.77	93.000	0.00	1.60	21.604	O					11.50
87.917	0.00	1.61	22.278	O					11.76	93.083	0.00	1.59	21.593	O					11.50
88.000	0.00	1.61	22.267	O					11.76	93.167	0.00	1.59	21.582	O					11.49
88.083	0.00	1.61	22.256	O					11.75	93.250	0.00	1.59	21.571	O					11.49
88.167	0.00	1.61	22.245	O					11.75	93.333	0.00	1.59	21.560	O					11.48
88.250	0.00	1.61	22.233	O					11.75	93.417	0.00	1.59	21.549	O					11.48
88.333	0.00	1.61	22.222	O					11.74	93.500	0.00	1.59	21.538	O					11.47
88.417	0.00	1.61	22.211	O					11.74	93.583	0.00	1.59	21.527	O					11.47
88.500	0.00	1.61	22.200	O					11.73	93.667	0.00	1.59	21.516	O					11.47
88.583	0.00	1.61	22.189	O					11.73	93.750	0.00	1.59	21.505	O					11.46
88.667	0.00	1.61	22.178	O					11.72	93.833	0.00	1.59	21.494	O					11.46
88.750	0.00	1.61	22.167	O					11.72	93.917	0.00	1.59	21.483	O					11.45
88.833	0.00	1.61	22.156	O					11.72	94.000	0.00	1.59	21.472	O					11.45
88.917	0.00	1.61	22.145	O					11.71	94.083	0.00	1.59	21.461	O					11.44
89.000	0.00	1.61	22.134	O					11.71	94.167	0.00	1.59	21.450	O					11.44
89.083	0.00	1.61	22.123	O					11.70	94.250	0.00	1.59	21.439	O					11.44
89.167	0.00	1.61	22.111	O					11.70	94.333	0.00	1.59	21.428	O					11.43
89.250	0.00	1.61	22.100	O					11.69	94.417	0.00	1.59	21.418	O					11.43
89.333	0.00	1.61	22.089	O					11.69	94.500	0.00	1.59	21.407	O					11.42
89.417	0.00	1.61	22.078	O					11.69	94.583	0.00	1.59	21.396	O					11.42
89.500	0.00	1.61	22.067	O					11.68	94.667	0.00	1.59	21.385	O					11.41
89.583	0.00	1.61	22.056	O					11.68	94.750	0.00	1.59	21.374	O					11.41
89.667	0.00	1.61	22.045	O					11.67	94.833	0.00	1.59	21.363	O					11.41
89.750	0.00	1.61	22.034	O					11.67	94.917	0.00	1.59	21.352	O					11.40
89.833	0.00	1.61	22.023	O					11.66	95.000	0.00	1.59	21.341	O					11.40
89.917	0.00	1.61	22.012	O					11.66	95.083	0.00	1.59	21.330	O					11.39
90.000	0.00	1.61	22.001	O					11.65	95.167	0.00	1.59	21.319	O					11.39
90.083	0.00	1.61	21.990	O					11.65	95.250	0.00	1.59	21.308	O					11.38
90.167	0.00	1.61	21.979	O					11.65	95.333	0.00	1.59	21.297	O					11.38
90.250	0.00	1.60	21.968	O					11.64	95.417	0.00	1.59	21.286	O					11.38
90.333	0.00	1.60	21.957	O					11.64	95.500	0.00	1.59	21.275	O					11.37
90.417	0.00	1.60	21.945	O					11.63	95.583	0.00	1.59	21.264	O					11.37
90.500	0.00	1.60	21.934	O					11.63	95.667	0.00	1.59	21.253	O					11.36
90.583	0.00	1.60	21.923	O					11.62	95.750	0.00	1.59	21.243	O					11.36
90.667	0.00	1.60	21.912	O					11.62	95.833	0.00	1.58	21.232	O					11.36
90.750	0.00	1.60	21.901	O					11.62	95.917	0.00	1.58	21.221	O					11.35
90.833	0.00	1.60	21.890	O					11.61	96.000	0.00	1.58	21.210	O					11.35
90.917	0.00	1.60	21.879	O					11.61	96.083	0.00	1.58	21.199	O					11.34
91.000	0.00	1.60	21.868	O					11.60	96.167	0.00	1.58	21.188	O					11.34
91.083	0.00	1.60	21.857	O					11.60	96.250	0.00	1.58	21.177	O					11.33
91.167	0.00	1.60	21.846	O					11.59	96.333	0.00	1.58	21.166	O					11.33
91.250	0.00	1.60	21.835	O					11.59	96.417	0.00	1.58	21.155	O					11.33
91.333	0.00	1.60	21.824	O					11.59	96.500	0.00	1.58	21.144	O					11.32
91.417	0.00	1.60	21.813	O					11.58	96.583	0.00	1.58	21.134	O					11.32

96.667	0.00	1.58	21.123	O	|	|	|	|	11.31	101.833	0.00	1.56	20.451	O	|	|	|	|	11.05
96.750	0.00	1.58	21.112	O	|	|	|	|	11.31	101.917	0.00	1.56	20.440	O	|	|	|	|	11.05
96.833	0.00	1.58	21.101	O	|	|	|	|	11.30	102.000	0.00	1.56	20.430	O	|	|	|	|	11.04
96.917	0.00	1.58	21.090	O	|	|	|	|	11.30	102.083	0.00	1.56	20.419	O	|	|	|	|	11.04
97.000	0.00	1.58	21.079	O	|	|	|	|	11.30	102.167	0.00	1.56	20.408	O	|	|	|	|	11.03
97.083	0.00	1.58	21.068	O	|	|	|	|	11.29	102.250	0.00	1.56	20.397	O	|	|	|	|	11.03
97.167	0.00	1.58	21.057	O	|	|	|	|	11.29	102.333	0.00	1.56	20.386	O	|	|	|	|	11.03
97.250	0.00	1.58	21.046	O	|	|	|	|	11.28	102.417	0.00	1.56	20.376	O	|	|	|	|	11.02
97.333	0.00	1.58	21.036	O	|	|	|	|	11.28	102.500	0.00	1.56	20.365	O	|	|	|	|	11.02
97.417	0.00	1.58	21.025	O	|	|	|	|	11.27	102.583	0.00	1.56	20.354	O	|	|	|	|	11.01
97.500	0.00	1.58	21.014	O	|	|	|	|	11.27	102.667	0.00	1.56	20.343	O	|	|	|	|	11.01
97.583	0.00	1.58	21.003	O	|	|	|	|	11.27	102.750	0.00	1.56	20.333	O	|	|	|	|	11.00
97.667	0.00	1.58	20.992	O	|	|	|	|	11.26	102.833	0.00	1.56	20.322	O	|	|	|	|	11.00
97.750	0.00	1.58	20.981	O	|	|	|	|	11.26	102.917	0.00	1.56	20.311	O	|	|	|	|	11.00
97.833	0.00	1.58	20.970	O	|	|	|	|	11.25	103.000	0.00	1.56	20.301	O	|	|	|	|	10.99
97.917	0.00	1.58	20.959	O	|	|	|	|	11.25	103.083	0.00	1.56	20.290	O	|	|	|	|	10.99
98.000	0.00	1.58	20.949	O	|	|	|	|	11.24	103.167	0.00	1.56	20.279	O	|	|	|	|	10.98
98.083	0.00	1.58	20.938	O	|	|	|	|	11.24	103.250	0.00	1.56	20.268	O	|	|	|	|	10.98
98.167	0.00	1.58	20.927	O	|	|	|	|	11.24	103.333	0.00	1.56	20.258	O	|	|	|	|	10.97
98.250	0.00	1.58	20.916	O	|	|	|	|	11.23	103.417	0.00	1.56	20.247	O	|	|	|	|	10.97
98.333	0.00	1.58	20.905	O	|	|	|	|	11.23	103.500	0.00	1.56	20.236	O	|	|	|	|	10.97
98.417	0.00	1.58	20.894	O	|	|	|	|	11.22	103.583	0.00	1.56	20.225	O	|	|	|	|	10.96
98.500	0.00	1.58	20.883	O	|	|	|	|	11.22	103.667	0.00	1.56	20.215	O	|	|	|	|	10.96
98.583	0.00	1.58	20.873	O	|	|	|	|	11.22	103.750	0.00	1.56	20.204	O	|	|	|	|	10.95
98.667	0.00	1.57	20.862	O	|	|	|	|	11.21	103.833	0.00	1.56	20.193	O	|	|	|	|	10.95
98.750	0.00	1.57	20.851	O	|	|	|	|	11.21	103.917	0.00	1.56	20.183	O	|	|	|	|	10.94
98.833	0.00	1.57	20.840	O	|	|	|	|	11.20	104.000	0.00	1.56	20.172	O	|	|	|	|	10.94
98.917	0.00	1.57	20.829	O	|	|	|	|	11.20	104.083	0.00	1.56	20.161	O	|	|	|	|	10.93
99.000	0.00	1.57	20.818	O	|	|	|	|	11.19	104.167	0.00	1.56	20.150	O	|	|	|	|	10.93
99.083	0.00	1.57	20.808	O	|	|	|	|	11.19	104.250	0.00	1.55	20.140	O	|	|	|	|	10.93
99.167	0.00	1.57	20.797	O	|	|	|	|	11.19	104.333	0.00	1.55	20.129	O	|	|	|	|	10.92
99.250	0.00	1.57	20.786	O	|	|	|	|	11.18	104.417	0.00	1.55	20.118	O	|	|	|	|	10.92
99.333	0.00	1.57	20.775	O	|	|	|	|	11.18	104.500	0.00	1.55	20.108	O	|	|	|	|	10.91
99.417	0.00	1.57	20.764	O	|	|	|	|	11.17	104.583	0.00	1.55	20.097	O	|	|	|	|	10.91
99.500	0.00	1.57	20.753	O	|	|	|	|	11.17	104.667	0.00	1.55	20.086	O	|	|	|	|	10.90
99.583	0.00	1.57	20.743	O	|	|	|	|	11.16	104.750	0.00	1.55	20.075	O	|	|	|	|	10.90
99.667	0.00	1.57	20.732	O	|	|	|	|	11.16	104.833	0.00	1.55	20.065	O	|	|	|	|	10.89
99.750	0.00	1.57	20.721	O	|	|	|	|	11.16	104.917	0.00	1.55	20.054	O	|	|	|	|	10.89
99.833	0.00	1.57	20.710	O	|	|	|	|	11.15	105.000	0.00	1.55	20.043	O	|	|	|	|	10.89
99.917	0.00	1.57	20.699	O	|	|	|	|	11.15	105.083	0.00	1.55	20.033	O	|	|	|	|	10.88
100.000	0.00	1.57	20.688	O	|	|	|	|	11.14	105.167	0.00	1.55	20.022	O	|	|	|	|	10.88
100.083	0.00	1.57	20.678	O	|	|	|	|	11.14	105.250	0.00	1.55	20.011	O	|	|	|	|	10.87
100.167	0.00	1.57	20.667	O	|	|	|	|	11.13	105.333	0.00	1.55	20.001	O	|	|	|	|	10.87
100.250	0.00	1.57	20.656	O	|	|	|	|	11.13	105.417	0.00	1.55	19.990	O	|	|	|	|	10.86
100.333	0.00	1.57	20.645	O	|	|	|	|	11.13	105.500	0.00	1.55	19.979	O	|	|	|	|	10.86
100.417	0.00	1.57	20.634	O	|	|	|	|	11.12	105.583	0.00	1.55	19.969	O	|	|	|	|	10.86
100.500	0.00	1.57	20.624	O	|	|	|	|	11.12	105.667	0.00	1.55	19.958	O	|	|	|	|	10.85
100.583	0.00	1.57	20.613	O	|	|	|	|	11.11	105.750	0.00	1.55	19.947	O	|	|	|	|	10.85
100.667	0.00	1.57	20.602	O	|	|	|	|	11.11	105.833	0.00	1.55	19.937	O	|	|	|	|	10.84
100.750	0.00	1.57	20.591	O	|	|	|	|	11.11	105.917	0.00	1.55	19.926	O	|	|	|	|	10.84
100.833	0.00	1.57	20.580	O	|	|	|	|	11.10	106.000	0.00	1.55	19.915	O	|	|	|	|	10.83
100.917	0.00	1.57	20.570	O	|	|	|	|	11.10	106.083	0.00	1.55	19.905	O	|	|	|	|	10.83
101.000	0.00	1.57	20.559	O	|	|	|	|	11.09	106.167	0.00	1.55	19.894	O	|	|	|	|	10.82
101.083	0.00	1.57	20.548	O	|	|	|	|	11.09	106.250	0.00	1.55	19.883	O	|	|	|	|	10.82
101.167	0.00	1.57	20.537	O	|	|	|	|	11.08	106.333	0.00	1.55	19.873	O	|	|	|	|	10.82
101.250	0.00	1.57	20.526	O	|	|	|	|	11.08	106.417	0.00	1.55	19.862	O	|	|	|	|	10.81
101.333	0.00	1.57	20.516	O	|	|	|	|	11.08	106.500	0.00	1.55	19.851	O	|	|	|	|	10.81
101.417	0.00	1.57	20.505	O	|	|	|	|	11.07	106.583	0.00	1.55	19.841	O	|	|	|	|	10.80
101.500	0.00	1.56	20.494	O	|	|	|	|	11.07	106.667	0.00	1.55	19.830	O	|	|	|	|	10.80
101.583	0.00	1.56	20.483	O	|	|	|	|	11.06	106.750	0.00	1.55	19.819	O	|	|	|	|	10.79
101.667	0.00	1.56	20.473	O	|	|	|	|	11.06	106.833	0.00	1.55	19.809	O	|	|	|	|	10.79
101.750	0.00	1.56	20.462	O	|	|	|	|	11.05	106.917	0.00	1.54	19.798	O	|	|	|	|	10.79

107.000	0.00	1.54	19.787	O	|	|	|	|	10.78	112.167	0.00	1.53	19.132	O	|	|	|	|	10.51
107.083	0.00	1.54	19.777	O	|	|	|	|	10.78	112.250	0.00	1.53	19.121	O	|	|	|	|	10.51
107.167	0.00	1.54	19.766	O	|	|	|	|	10.77	112.333	0.00	1.53	19.111	O	|	|	|	|	10.50
107.250	0.00	1.54	19.756	O	|	|	|	|	10.77	112.417	0.00	1.52	19.100	O	|	|	|	|	10.50
107.333	0.00	1.54	19.745	O	|	|	|	|	10.76	112.500	0.00	1.52	19.090	O	|	|	|	|	10.49
107.417	0.00	1.54	19.734	O	|	|	|	|	10.76	112.583	0.00	1.52	19.079	O	|	|	|	|	10.49
107.500	0.00	1.54	19.724	O	|	|	|	|	10.75	112.667	0.00	1.52	19.069	O	|	|	|	|	10.49
107.583	0.00	1.54	19.713	O	|	|	|	|	10.75	112.750	0.00	1.52	19.058	O	|	|	|	|	10.48
107.667	0.00	1.54	19.702	O	|	|	|	|	10.75	112.833	0.00	1.52	19.048	O	|	|	|	|	10.48
107.750	0.00	1.54	19.692	O	|	|	|	|	10.74	112.917	0.00	1.52	19.037	O	|	|	|	|	10.47
107.833	0.00	1.54	19.681	O	|	|	|	|	10.74	113.000	0.00	1.52	19.027	O	|	|	|	|	10.47
107.917	0.00	1.54	19.671	O	|	|	|	|	10.73	113.083	0.00	1.52	19.016	O	|	|	|	|	10.46
108.000	0.00	1.54	19.660	O	|	|	|	|	10.73	113.167	0.00	1.52	19.006	O	|	|	|	|	10.46
108.083	0.00	1.54	19.649	O	|	|	|	|	10.72	113.250	0.00	1.52	18.995	O	|	|	|	|	10.46
108.167	0.00	1.54	19.639	O	|	|	|	|	10.72	113.333	0.00	1.52	18.985	O	|	|	|	|	10.45
108.250	0.00	1.54	19.628	O	|	|	|	|	10.72	113.417	0.00	1.52	18.975	O	|	|	|	|	10.45
108.333	0.00	1.54	19.618	O	|	|	|	|	10.71	113.500	0.00	1.52	18.964	O	|	|	|	|	10.44
108.417	0.00	1.54	19.607	O	|	|	|	|	10.71	113.583	0.00	1.52	18.954	O	|	|	|	|	10.44
108.500	0.00	1.54	19.596	O	|	|	|	|	10.70	113.667	0.00	1.52	18.943	O	|	|	|	|	10.43
108.583	0.00	1.54	19.586	O	|	|	|	|	10.70	113.750	0.00	1.52	18.933	O	|	|	|	|	10.43
108.667	0.00	1.54	19.575	O	|	|	|	|	10.69	113.833	0.00	1.52	18.922	O	|	|	|	|	10.43
108.750	0.00	1.54	19.565	O	|	|	|	|	10.69	113.917	0.00	1.52	18.912	O	|	|	|	|	10.42
108.833	0.00	1.54	19.554	O	|	|	|	|	10.69	114.000	0.00	1.52	18.901	O	|	|	|	|	10.42
108.917	0.00	1.54	19.543	O	|	|	|	|	10.68	114.083	0.00	1.52	18.891	O	|	|	|	|	10.41
109.000	0.00	1.54	19.533	O	|	|	|	|	10.68	114.167	0.00	1.52	18.880	O	|	|	|	|	10.41
109.083	0.00	1.54	19.522	O	|	|	|	|	10.67	114.250	0.00	1.52	18.870	O	|	|	|	|	10.40
109.167	0.00	1.54	19.512	O	|	|	|	|	10.67	114.333	0.00	1.52	18.859	O	|	|	|	|	10.40
109.250	0.00	1.54	19.501	O	|	|	|	|	10.66	114.417	0.00	1.52	18.849	O	|	|	|	|	10.40
109.333	0.00	1.54	19.490	O	|	|	|	|	10.66	114.500	0.00	1.52	18.838	O	|	|	|	|	10.39
109.417	0.00	1.54	19.480	O	|	|	|	|	10.65	114.583	0.00	1.52	18.828	O	|	|	|	|	10.39
109.500	0.00	1.54	19.469	O	|	|	|	|	10.65	114.667	0.00	1.52	18.818	O	|	|	|	|	10.38
109.583	0.00	1.54	19.459	O	|	|	|	|	10.65	114.750	0.00	1.52	18.807	O	|	|	|	|	10.38
109.667	0.00	1.53	19.448	O	|	|	|	|	10.64	114.833	0.00	1.52	18.797	O	|	|	|	|	10.37
109.750	0.00	1.53	19.438	O	|	|	|	|	10.64	114.917	0.00	1.52	18.786	O	|	|	|	|	10.37
109.833	0.00	1.53	19.427	O	|	|	|	|	10.63	115.000	0.00	1.52	18.776	O	|	|	|	|	10.37
109.917	0.00	1.53	19.416	O	|	|	|	|	10.63	115.083	0.00	1.52	18.765	O	|	|	|	|	10.36
110.000	0.00	1.53	19.406	O	|	|	|	|	10.62	115.167	0.00	1.52	18.755	O	|	|	|	|	10.36
110.083	0.00	1.53	19.395	O	|	|	|	|	10.62	115.250	0.00	1.51	18.745	O	|	|	|	|	10.35
110.167	0.00	1.53	19.385	O	|	|	|	|	10.62	115.333	0.00	1.51	18.734	O	|	|	|	|	10.35
110.250	0.00	1.53	19.374	O	|	|	|	|	10.61	115.417	0.00	1.51	18.724	O	|	|	|	|	10.34
110.333	0.00	1.53	19.364	O	|	|	|	|	10.61	115.500	0.00	1.51	18.713	O	|	|	|	|	10.34
110.417	0.00	1.53	19.353	O	|	|	|	|	10.60	115.583	0.00	1.51	18.703	O	|	|	|	|	10.34
110.500	0.00	1.53	19.342	O	|	|	|	|	10.60	115.667	0.00	1.51	18.692	O	|	|	|	|	10.33
110.583	0.00	1.53	19.332	O	|	|	|	|	10.59	115.750	0.00	1.51	18.682	O	|	|	|	|	10.33
110.667	0.00	1.53	19.321	O	|	|	|	|	10.59	115.833	0.00	1.51	18.672	O	|	|	|	|	10.32
110.750	0.00	1.53	19.311	O	|	|	|	|	10.59	115.917	0.00	1.51	18.661	O	|	|	|	|	10.32
110.833	0.00	1.53	19.300	O	|	|	|	|	10.58	116.000	0.00	1.51	18.651	O	|	|	|	|	10.31
110.917	0.00	1.53	19.290	O	|	|	|	|	10.58	116.083	0.00	1.51	18.640	O	|	|	|	|	10.31
111.000	0.00	1.53	19.279	O	|	|	|	|	10.57	116.167	0.00	1.51	18.630	O	|	|	|	|	10.31
111.083	0.00	1.53	19.269	O	|	|	|	|	10.57	116.250	0.00	1.51	18.619	O	|	|	|	|	10.30
111.167	0.00	1.53	19.258	O	|	|	|	|	10.56	116.333	0.00	1.51	18.609	O	|	|	|	|	10.30
111.250	0.00	1.53	19.248	O	|	|	|	|	10.56	116.417	0.00	1.51	18.599	O	|	|	|	|	10.29
111.333	0.00	1.53	19.237	O	|	|	|	|	10.56	116.500	0.00	1.51	18.588	O	|	|	|	|	10.29
111.417	0.00	1.53	19.227	O	|	|	|	|	10.55	116.583	0.00	1.51	18.578	O	|	|	|	|	10.28
111.500	0.00	1.53	19.216	O	|	|	|	|	10.55	116.667	0.00	1.51	18.567	O	|	|	|	|	10.28
111.583	0.00	1.53	19.206	O	|	|	|	|	10.54	116.750	0.00	1.51	18.557	O	|	|	|	|	10.28
111.667	0.00	1.53	19.195	O	|	|	|	|	10.54	116.833	0.00	1.51	18.547	O	|	|	|	|	10.27
111.750	0.00	1.53	19.184	O	|	|	|	|	10.53	116.917	0.00	1.51	18.536	O	|	|	|	|	10.27
111.833	0.00	1.53	19.174	O	|	|	|	|	10.53	117.000	0.00	1.51	18.526	O	|	|	|	|	10.26
111.917	0.00	1.53	19.163	O	|	|	|	|	10.53	117.083	0.00	1.51	18.516	O	|	|	|	|	10.26
112.000	0.00	1.53	19.153	O	|	|	|	|	10.52	117.167	0.00	1.51	18.505	O	|	|	|	|	10.25
112.083	0.00	1.53	19.142	O	|	|	|	|	10.52	117.250	0.00	1.51	18.495	O	|	|	|	|	10.25

117.333	0.00	1.51	18.484	O	|	|	|	|	10.25	122.500	0.00	1.49	17.845	O	|	|	|	|	9.98
117.417	0.00	1.51	18.474	O	|	|	|	|	10.24	122.583	0.00	1.49	17.834	O	|	|	|	|	9.98
117.500	0.00	1.51	18.464	O	|	|	|	|	10.24	122.667	0.00	1.49	17.824	O	|	|	|	|	9.97
117.583	0.00	1.51	18.453	O	|	|	|	|	10.23	122.750	0.00	1.49	17.814	O	|	|	|	|	9.97
117.667	0.00	1.51	18.443	O	|	|	|	|	10.23	122.833	0.00	1.49	17.804	O	|	|	|	|	9.97
117.750	0.00	1.51	18.432	O	|	|	|	|	10.23	122.917	0.00	1.49	17.793	O	|	|	|	|	9.96
117.833	0.00	1.51	18.422	O	|	|	|	|	10.22	123.000	0.00	1.49	17.783	O	|	|	|	|	9.96
117.917	0.00	1.51	18.412	O	|	|	|	|	10.22	123.083	0.00	1.49	17.773	O	|	|	|	|	9.95
118.000	0.00	1.50	18.401	O	|	|	|	|	10.21	123.167	0.00	1.49	17.763	O	|	|	|	|	9.95
118.083	0.00	1.50	18.391	O	|	|	|	|	10.21	123.250	0.00	1.49	17.753	O	|	|	|	|	9.94
118.167	0.00	1.50	18.381	O	|	|	|	|	10.20	123.333	0.00	1.49	17.742	O	|	|	|	|	9.94
118.250	0.00	1.50	18.370	O	|	|	|	|	10.20	123.417	0.00	1.48	17.732	O	|	|	|	|	9.93
118.333	0.00	1.50	18.360	O	|	|	|	|	10.20	123.500	0.00	1.48	17.722	O	|	|	|	|	9.93
118.417	0.00	1.50	18.350	O	|	|	|	|	10.19	123.583	0.00	1.48	17.712	O	|	|	|	|	9.93
118.500	0.00	1.50	18.339	O	|	|	|	|	10.19	123.667	0.00	1.48	17.701	O	|	|	|	|	9.92
118.583	0.00	1.50	18.329	O	|	|	|	|	10.18	123.750	0.00	1.48	17.691	O	|	|	|	|	9.92
118.667	0.00	1.50	18.319	O	|	|	|	|	10.18	123.833	0.00	1.48	17.681	O	|	|	|	|	9.91
118.750	0.00	1.50	18.308	O	|	|	|	|	10.17	123.917	0.00	1.48	17.671	O	|	|	|	|	9.91
118.833	0.00	1.50	18.298	O	|	|	|	|	10.17	124.000	0.00	1.48	17.661	O	|	|	|	|	9.90
118.917	0.00	1.50	18.287	O	|	|	|	|	10.17	124.083	0.00	1.48	17.650	O	|	|	|	|	9.90
119.000	0.00	1.50	18.277	O	|	|	|	|	10.16	124.167	0.00	1.48	17.640	O	|	|	|	|	9.89
119.083	0.00	1.50	18.267	O	|	|	|	|	10.16	124.250	0.00	1.48	17.630	O	|	|	|	|	9.89
119.167	0.00	1.50	18.256	O	|	|	|	|	10.15	124.333	0.00	1.48	17.620	O	|	|	|	|	9.89
119.250	0.00	1.50	18.246	O	|	|	|	|	10.15	124.417	0.00	1.48	17.610	O	|	|	|	|	9.88
119.333	0.00	1.50	18.236	O	|	|	|	|	10.14	124.500	0.00	1.48	17.599	O	|	|	|	|	9.88
119.417	0.00	1.50	18.225	O	|	|	|	|	10.14	124.583	0.00	1.48	17.589	O	|	|	|	|	9.87
119.500	0.00	1.50	18.215	O	|	|	|	|	10.14	124.667	0.00	1.48	17.579	O	|	|	|	|	9.87
119.583	0.00	1.50	18.205	O	|	|	|	|	10.13	124.750	0.00	1.48	17.569	O	|	|	|	|	9.86
119.667	0.00	1.50	18.195	O	|	|	|	|	10.13	124.833	0.00	1.48	17.559	O	|	|	|	|	9.86
119.750	0.00	1.50	18.184	O	|	|	|	|	10.12	124.917	0.00	1.48	17.548	O	|	|	|	|	9.85
119.833	0.00	1.50	18.174	O	|	|	|	|	10.12	125.000	0.00	1.48	17.538	O	|	|	|	|	9.85
119.917	0.00	1.50	18.164	O	|	|	|	|	10.11	125.083	0.00	1.48	17.528	O	|	|	|	|	9.85
120.000	0.00	1.50	18.153	O	|	|	|	|	10.11	125.167	0.00	1.48	17.518	O	|	|	|	|	9.84
120.083	0.00	1.50	18.143	O	|	|	|	|	10.11	125.250	0.00	1.48	17.508	O	|	|	|	|	9.84
120.167	0.00	1.50	18.133	O	|	|	|	|	10.10	125.333	0.00	1.48	17.498	O	|	|	|	|	9.83
120.250	0.00	1.50	18.122	O	|	|	|	|	10.10	125.417	0.00	1.48	17.487	O	|	|	|	|	9.83
120.333	0.00	1.50	18.112	O	|	|	|	|	10.09	125.500	0.00	1.48	17.477	O	|	|	|	|	9.82
120.417	0.00	1.50	18.102	O	|	|	|	|	10.09	125.583	0.00	1.48	17.467	O	|	|	|	|	9.82
120.500	0.00	1.50	18.091	O	|	|	|	|	10.09	125.667	0.00	1.48	17.457	O	|	|	|	|	9.82
120.583	0.00	1.50	18.081	O	|	|	|	|	10.08	125.750	0.00	1.47	17.447	O	|	|	|	|	9.81
120.667	0.00	1.50	18.071	O	|	|	|	|	10.08	125.833	0.00	1.47	17.437	O	|	|	|	|	9.81
120.750	0.00	1.50	18.060	O	|	|	|	|	10.07	125.917	0.00	1.47	17.426	O	|	|	|	|	9.80
120.833	0.00	1.49	18.050	O	|	|	|	|	10.07	126.000	0.00	1.47	17.416	O	|	|	|	|	9.80
120.917	0.00	1.49	18.040	O	|	|	|	|	10.06	126.083	0.00	1.47	17.406	O	|	|	|	|	9.79
121.000	0.00	1.49	18.030	O	|	|	|	|	10.06	126.167	0.00	1.47	17.396	O	|	|	|	|	9.79
121.083	0.00	1.49	18.019	O	|	|	|	|	10.06	126.250	0.00	1.47	17.386	O	|	|	|	|	9.78
121.167	0.00	1.49	18.009	O	|	|	|	|	10.05	126.333	0.00	1.47	17.376	O	|	|	|	|	9.78
121.250	0.00	1.49	17.999	O	|	|	|	|	10.05	126.417	0.00	1.47	17.366	O	|	|	|	|	9.78
121.333	0.00	1.49	17.988	O	|	|	|	|	10.04	126.500	0.00	1.47	17.355	O	|	|	|	|	9.77
121.417	0.00	1.49	17.978	O	|	|	|	|	10.04	126.583	0.00	1.47	17.345	O	|	|	|	|	9.77
121.500	0.00	1.49	17.968	O	|	|	|	|	10.03	126.667	0.00	1.47	17.335	O	|	|	|	|	9.76
121.583	0.00	1.49	17.958	O	|	|	|	|	10.03	126.750	0.00	1.47	17.325	O	|	|	|	|	9.76
121.667	0.00	1.49	17.947	O	|	|	|	|	10.03	126.833	0.00	1.47	17.315	O	|	|	|	|	9.75
121.750	0.00	1.49	17.937	O	|	|	|	|	10.02	126.917	0.00	1.47	17.305	O	|	|	|	|	9.75
121.833	0.00	1.49	17.927	O	|	|	|	|	10.02	127.000	0.00	1.47	17.295	O	|	|	|	|	9.75
121.917	0.00	1.49	17.917	O	|	|	|	|	10.01	127.083	0.00	1.47	17.284	O	|	|	|	|	9.74
122.000	0.00	1.49	17.906	O	|	|	|	|	10.01	127.167	0.00	1.47	17.274	O	|	|	|	|	9.74
122.083	0.00	1.49	17.896	O	|	|	|	|	10.00	127.250	0.00	1.47	17.264	O	|	|	|	|	9.73
122.167	0.00	1.49	17.886	O	|	|	|	|	10.00	127.333	0.00	1.47	17.254	O	|	|	|	|	9.73
122.250	0.00	1.49	17.875	O	|	|	|	|	10.00	127.417	0.00	1.47	17.244	O	|	|	|	|	9.72
122.333	0.00	1.49	17.865	O	|	|	|	|	9.99	127.500	0.00	1.47	17.234	O	|	|	|	|	9.72
122.417	0.00	1.49	17.855	O	|	|	|	|	9.99	127.583	0.00	1.47	17.224	O	|	|	|	|	9.71

127.667	0.00	1.47	17.214	O	|	|	|	|	9.71	132.833	0.00	1.45	16.592	O	|	|	|	|	9.44
127.750	0.00	1.47	17.204	O	|	|	|	|	9.71	132.917	0.00	1.44	16.582	O	|	|	|	|	9.44
127.833	0.00	1.47	17.194	O	|	|	|	|	9.70	133.000	0.00	1.44	16.572	O	|	|	|	|	9.43
127.917	0.00	1.47	17.183	O	|	|	|	|	9.70	133.083	0.00	1.44	16.562	O	|	|	|	|	9.43
128.000	0.00	1.47	17.173	O	|	|	|	|	9.69	133.167	0.00	1.44	16.552	O	|	|	|	|	9.42
128.083	0.00	1.47	17.163	O	|	|	|	|	9.69	133.250	0.00	1.44	16.542	O	|	|	|	|	9.42
128.167	0.00	1.46	17.153	O	|	|	|	|	9.68	133.333	0.00	1.44	16.532	O	|	|	|	|	9.42
128.250	0.00	1.46	17.143	O	|	|	|	|	9.68	133.417	0.00	1.44	16.522	O	|	|	|	|	9.41
128.333	0.00	1.46	17.133	O	|	|	|	|	9.68	133.500	0.00	1.44	16.512	O	|	|	|	|	9.41
128.417	0.00	1.46	17.123	O	|	|	|	|	9.67	133.583	0.00	1.44	16.503	O	|	|	|	|	9.40
128.500	0.00	1.46	17.113	O	|	|	|	|	9.67	133.667	0.00	1.44	16.493	O	|	|	|	|	9.40
128.583	0.00	1.46	17.103	O	|	|	|	|	9.66	133.750	0.00	1.44	16.483	O	|	|	|	|	9.39
128.667	0.00	1.46	17.093	O	|	|	|	|	9.66	133.833	0.00	1.44	16.473	O	|	|	|	|	9.39
128.750	0.00	1.46	17.083	O	|	|	|	|	9.65	133.917	0.00	1.44	16.463	O	|	|	|	|	9.39
128.833	0.00	1.46	17.073	O	|	|	|	|	9.65	134.000	0.00	1.44	16.453	O	|	|	|	|	9.38
128.917	0.00	1.46	17.062	O	|	|	|	|	9.64	134.083	0.00	1.44	16.443	O	|	|	|	|	9.38
129.000	0.00	1.46	17.052	O	|	|	|	|	9.64	134.167	0.00	1.44	16.433	O	|	|	|	|	9.37
129.083	0.00	1.46	17.042	O	|	|	|	|	9.64	134.250	0.00	1.44	16.423	O	|	|	|	|	9.37
129.167	0.00	1.46	17.032	O	|	|	|	|	9.63	134.333	0.00	1.44	16.413	O	|	|	|	|	9.36
129.250	0.00	1.46	17.022	O	|	|	|	|	9.63	134.417	0.00	1.44	16.403	O	|	|	|	|	9.36
129.333	0.00	1.46	17.012	O	|	|	|	|	9.62	134.500	0.00	1.44	16.393	O	|	|	|	|	9.36
129.417	0.00	1.46	17.002	O	|	|	|	|	9.62	134.583	0.00	1.44	16.383	O	|	|	|	|	9.35
129.500	0.00	1.46	16.992	O	|	|	|	|	9.61	134.667	0.00	1.44	16.374	O	|	|	|	|	9.35
129.583	0.00	1.46	16.982	O	|	|	|	|	9.61	134.750	0.00	1.44	16.364	O	|	|	|	|	9.34
129.667	0.00	1.46	16.972	O	|	|	|	|	9.61	134.833	0.00	1.44	16.354	O	|	|	|	|	9.34
129.750	0.00	1.46	16.962	O	|	|	|	|	9.60	134.917	0.00	1.44	16.344	O	|	|	|	|	9.33
129.833	0.00	1.46	16.952	O	|	|	|	|	9.60	135.000	0.00	1.44	16.334	O	|	|	|	|	9.33
129.917	0.00	1.46	16.942	O	|	|	|	|	9.59	135.083	0.00	1.44	16.324	O	|	|	|	|	9.33
130.000	0.00	1.46	16.932	O	|	|	|	|	9.59	135.167	0.00	1.44	16.314	O	|	|	|	|	9.32
130.083	0.00	1.46	16.922	O	|	|	|	|	9.58	135.250	0.00	1.44	16.304	O	|	|	|	|	9.32
130.167	0.00	1.46	16.912	O	|	|	|	|	9.58	135.333	0.00	1.44	16.294	O	|	|	|	|	9.31
130.250	0.00	1.46	16.902	O	|	|	|	|	9.58	135.417	0.00	1.43	16.285	O	|	|	|	|	9.31
130.333	0.00	1.46	16.892	O	|	|	|	|	9.57	135.500	0.00	1.43	16.275	O	|	|	|	|	9.30
130.417	0.00	1.46	16.882	O	|	|	|	|	9.57	135.583	0.00	1.43	16.265	O	|	|	|	|	9.30
130.500	0.00	1.45	16.872	O	|	|	|	|	9.56	135.667	0.00	1.43	16.255	O	|	|	|	|	9.30
130.583	0.00	1.45	16.862	O	|	|	|	|	9.56	135.750	0.00	1.43	16.245	O	|	|	|	|	9.29
130.667	0.00	1.45	16.852	O	|	|	|	|	9.55	135.833	0.00	1.43	16.235	O	|	|	|	|	9.29
130.750	0.00	1.45	16.842	O	|	|	|	|	9.55	135.917	0.00	1.43	16.225	O	|	|	|	|	9.28
130.833	0.00	1.45	16.832	O	|	|	|	|	9.54	136.000	0.00	1.43	16.215	O	|	|	|	|	9.28
130.917	0.00	1.45	16.822	O	|	|	|	|	9.54	136.083	0.00	1.43	16.206	O	|	|	|	|	9.27
131.000	0.00	1.45	16.812	O	|	|	|	|	9.54	136.167	0.00	1.43	16.196	O	|	|	|	|	9.27
131.083	0.00	1.45	16.802	O	|	|	|	|	9.53	136.250	0.00	1.43	16.186	O	|	|	|	|	9.27
131.167	0.00	1.45	16.792	O	|	|	|	|	9.53	136.333	0.00	1.43	16.176	O	|	|	|	|	9.26
131.250	0.00	1.45	16.782	O	|	|	|	|	9.52	136.417	0.00	1.43	16.166	O	|	|	|	|	9.26
131.333	0.00	1.45	16.772	O	|	|	|	|	9.52	136.500	0.00	1.43	16.156	O	|	|	|	|	9.25
131.417	0.00	1.45	16.762	O	|	|	|	|	9.51	136.583	0.00	1.43	16.146	O	|	|	|	|	9.25
131.500	0.00	1.45	16.752	O	|	|	|	|	9.51	136.667	0.00	1.43	16.137	O	|	|	|	|	9.24
131.583	0.00	1.45	16.742	O	|	|	|	|	9.51	136.750	0.00	1.43	16.127	O	|	|	|	|	9.24
131.667	0.00	1.45	16.732	O	|	|	|	|	9.50	136.833	0.00	1.43	16.117	O	|	|	|	|	9.24
131.750	0.00	1.45	16.722	O	|	|	|	|	9.50	136.917	0.00	1.43	16.107	O	|	|	|	|	9.23
131.833	0.00	1.45	16.712	O	|	|	|	|	9.49	137.000	0.00	1.43	16.097	O	|	|	|	|	9.23
131.917	0.00	1.45	16.702	O	|	|	|	|	9.49	137.083	0.00	1.43	16.087	O	|	|	|	|	9.22
132.000	0.00	1.45	16.692	O	|	|	|	|	9.48	137.167	0.00	1.43	16.078	O	|	|	|	|	9.22
132.083	0.00	1.45	16.682	O	|	|	|	|	9.48	137.250	0.00	1.43	16.068	O	|	|	|	|	9.21
132.167	0.00	1.45	16.672	O	|	|	|	|	9.48	137.333	0.00	1.43	16.058	O	|	|	|	|	9.21
132.250	0.00	1.45	16.662	O	|	|	|	|	9.47	137.417	0.00	1.43	16.048	O	|	|	|	|	9.21
132.333	0.00	1.45	16.652	O	|	|	|	|	9.47	137.500	0.00	1.43	16.038	O	|	|	|	|	9.20
132.417	0.00	1.45	16.642	O	|	|	|	|	9.46	137.583	0.00	1.43	16.028	O	|	|	|	|	9.20
132.500	0.00	1.45	16.632	O	|	|	|	|	9.46	137.667	0.00	1.43	16.019	O	|	|	|	|	9.19
132.583	0.00	1.45	16.622	O	|	|	|	|	9.45	137.750	0.00	1.43	16.009	O	|	|	|	|	9.19
132.667	0.00	1.45	16.612	O	|	|	|	|	9.45	137.833	0.00	1.42	15.999	O	|	|	|	|	9.19
132.750	0.00	1.45	16.602	O	|	|	|	|	9.45	137.917	0.00	1.42	15.989	O	|	|	|	|	9.18

138.000	0.00	1.42	15.979	O	|	|	|	|	9.18	143.167	0.00	1.40	15.376	O	|	|	|	|	8.91
138.083	0.00	1.42	15.970	O	|	|	|	|	9.17	143.250	0.00	1.40	15.366	O	|	|	|	|	8.91
138.167	0.00	1.42	15.960	O	|	|	|	|	9.17	143.333	0.00	1.40	15.356	O	|	|	|	|	8.90
138.250	0.00	1.42	15.950	O	|	|	|	|	9.16	143.417	0.00	1.40	15.347	O	|	|	|	|	8.90
138.333	0.00	1.42	15.940	O	|	|	|	|	9.16	143.500	0.00	1.40	15.337	O	|	|	|	|	8.89
138.417	0.00	1.42	15.930	O	|	|	|	|	9.16	143.583	0.00	1.40	15.328	O	|	|	|	|	8.89
138.500	0.00	1.42	15.921	O	|	|	|	|	9.15	143.667	0.00	1.40	15.318	O	|	|	|	|	8.88
138.583	0.00	1.42	15.911	O	|	|	|	|	9.15	143.750	0.00	1.40	15.308	O	|	|	|	|	8.88
138.667	0.00	1.42	15.901	O	|	|	|	|	9.14	143.833	0.00	1.40	15.299	O	|	|	|	|	8.88
138.750	0.00	1.42	15.891	O	|	|	|	|	9.14	143.917	0.00	1.40	15.289	O	|	|	|	|	8.87
138.833	0.00	1.42	15.881	O	|	|	|	|	9.13	144.000	0.00	1.40	15.279	O	|	|	|	|	8.87
138.917	0.00	1.42	15.872	O	|	|	|	|	9.13	144.083	0.00	1.40	15.270	O	|	|	|	|	8.86
139.000	0.00	1.42	15.862	O	|	|	|	|	9.13	144.167	0.00	1.40	15.260	O	|	|	|	|	8.86
139.083	0.00	1.42	15.852	O	|	|	|	|	9.12	144.250	0.00	1.40	15.250	O	|	|	|	|	8.85
139.167	0.00	1.42	15.842	O	|	|	|	|	9.12	144.333	0.00	1.40	15.241	O	|	|	|	|	8.85
139.250	0.00	1.42	15.833	O	|	|	|	|	9.11	144.417	0.00	1.40	15.231	O	|	|	|	|	8.84
139.333	0.00	1.42	15.823	O	|	|	|	|	9.11	144.500	0.00	1.40	15.222	O	|	|	|	|	8.84
139.417	0.00	1.42	15.813	O	|	|	|	|	9.10	144.583	0.00	1.40	15.212	O	|	|	|	|	8.84
139.500	0.00	1.42	15.803	O	|	|	|	|	9.10	144.667	0.00	1.40	15.202	O	|	|	|	|	8.83
139.583	0.00	1.42	15.793	O	|	|	|	|	9.10	144.750	0.00	1.40	15.193	O	|	|	|	|	8.83
139.667	0.00	1.42	15.784	O	|	|	|	|	9.09	144.833	0.00	1.40	15.183	O	|	|	|	|	8.82
139.750	0.00	1.42	15.774	O	|	|	|	|	9.09	144.917	0.00	1.40	15.173	O	|	|	|	|	8.82
139.833	0.00	1.42	15.764	O	|	|	|	|	9.08	145.000	0.00	1.40	15.164	O	|	|	|	|	8.81
139.917	0.00	1.42	15.754	O	|	|	|	|	9.08	145.083	0.00	1.39	15.154	O	|	|	|	|	8.81
140.000	0.00	1.42	15.745	O	|	|	|	|	9.08	145.167	0.00	1.39	15.145	O	|	|	|	|	8.81
140.083	0.00	1.42	15.735	O	|	|	|	|	9.07	145.250	0.00	1.39	15.135	O	|	|	|	|	8.80
140.167	0.00	1.42	15.725	O	|	|	|	|	9.07	145.333	0.00	1.39	15.125	O	|	|	|	|	8.80
140.250	0.00	1.41	15.715	O	|	|	|	|	9.06	145.417	0.00	1.39	15.116	O	|	|	|	|	8.79
140.333	0.00	1.41	15.706	O	|	|	|	|	9.06	145.500	0.00	1.39	15.106	O	|	|	|	|	8.79
140.417	0.00	1.41	15.696	O	|	|	|	|	9.05	145.583	0.00	1.39	15.097	O	|	|	|	|	8.78
140.500	0.00	1.41	15.686	O	|	|	|	|	9.05	145.667	0.00	1.39	15.087	O	|	|	|	|	8.78
140.583	0.00	1.41	15.676	O	|	|	|	|	9.05	145.750	0.00	1.39	15.077	O	|	|	|	|	8.77
140.667	0.00	1.41	15.667	O	|	|	|	|	9.04	145.833	0.00	1.39	15.068	O	|	|	|	|	8.77
140.750	0.00	1.41	15.657	O	|	|	|	|	9.04	145.917	0.00	1.39	15.058	O	|	|	|	|	8.77
140.833	0.00	1.41	15.647	O	|	|	|	|	9.03	146.000	0.00	1.39	15.049	O	|	|	|	|	8.76
140.917	0.00	1.41	15.638	O	|	|	|	|	9.03	146.083	0.00	1.39	15.039	O	|	|	|	|	8.76
141.000	0.00	1.41	15.628	O	|	|	|	|	9.02	146.167	0.00	1.39	15.030	O	|	|	|	|	8.75
141.083	0.00	1.41	15.618	O	|	|	|	|	9.02	146.250	0.00	1.39	15.020	O	|	|	|	|	8.75
141.167	0.00	1.41	15.608	O	|	|	|	|	9.02	146.333	0.00	1.39	15.010	O	|	|	|	|	8.74
141.250	0.00	1.41	15.599	O	|	|	|	|	9.01	146.417	0.00	1.39	15.001	O	|	|	|	|	8.74
141.333	0.00	1.41	15.589	O	|	|	|	|	9.01	146.500	0.00	1.39	14.991	O	|	|	|	|	8.74
141.417	0.00	1.41	15.579	O	|	|	|	|	9.00	146.583	0.00	1.39	14.982	O	|	|	|	|	8.73
141.500	0.00	1.41	15.570	O	|	|	|	|	9.00	146.667	0.00	1.39	14.972	O	|	|	|	|	8.73
141.583	0.00	1.41	15.560	O	|	|	|	|	8.99	146.750	0.00	1.39	14.963	O	|	|	|	|	8.72
141.667	0.00	1.41	15.550	O	|	|	|	|	8.99	146.833	0.00	1.39	14.953	O	|	|	|	|	8.72
141.750	0.00	1.41	15.540	O	|	|	|	|	8.99	146.917	0.00	1.39	14.943	O	|	|	|	|	8.71
141.833	0.00	1.41	15.531	O	|	|	|	|	8.98	147.000	0.00	1.39	14.934	O	|	|	|	|	8.71
141.917	0.00	1.41	15.521	O	|	|	|	|	8.98	147.083	0.00	1.39	14.924	O	|	|	|	|	8.70
142.000	0.00	1.41	15.511	O	|	|	|	|	8.97	147.167	0.00	1.39	14.915	O	|	|	|	|	8.70
142.083	0.00	1.41	15.502	O	|	|	|	|	8.97	147.250	0.00	1.39	14.905	O	|	|	|	|	8.70
142.167	0.00	1.41	15.492	O	|	|	|	|	8.96	147.333	0.00	1.39	14.896	O	|	|	|	|	8.69
142.250	0.00	1.41	15.482	O	|	|	|	|	8.96	147.417	0.00	1.38	14.886	O	|	|	|	|	8.69
142.333	0.00	1.41	15.473	O	|	|	|	|	8.96	147.500	0.00	1.38	14.877	O	|	|	|	|	8.68
142.417	0.00	1.41	15.463	O	|	|	|	|	8.95	147.583	0.00	1.38	14.867	O	|	|	|	|	8.68
142.500	0.00	1.41	15.453	O	|	|	|	|	8.95	147.667	0.00	1.38	14.858	O	|	|	|	|	8.67
142.583	0.00	1.41	15.443	O	|	|	|	|	8.94	147.750	0.00	1.38	14.848	O	|	|	|	|	8.67
142.667	0.00	1.40	15.434	O	|	|	|	|	8.94	147.833	0.00	1.38	14.839	O	|	|	|	|	8.67
142.750	0.00	1.40	15.424	O	|	|	|	|	8.93	147.917	0.00	1.38	14.829	O	|	|	|	|	8.66
142.833	0.00	1.40	15.414	O	|	|	|	|	8.93	148.000	0.00	1.38	14.819	O	|	|	|	|	8.66
142.917	0.00	1.40	15.405	O	|	|	|	|	8.92	148.083	0.00	1.38	14.810	O	|	|	|	|	8.65
143.000	0.00	1.40	15.395	O	|	|	|	|	8.92	148.167	0.00	1.38	14.800	O	|	|	|	|	8.65
143.083	0.00	1.40	15.385	O	|	|	|	|	8.92	148.250	0.00	1.38	14.791	O	|	|	|	|	8.64

148.333	0.00	1.38	14.781	O	|	|	|	|	8.64	153.500	0.00	1.36	14.196	O	|	|	|	|	8.37
148.417	0.00	1.38	14.772	O	|	|	|	|	8.64	153.583	0.00	1.36	14.187	O	|	|	|	|	8.37
148.500	0.00	1.38	14.762	O	|	|	|	|	8.63	153.667	0.00	1.36	14.178	O	|	|	|	|	8.36
148.583	0.00	1.38	14.753	O	|	|	|	|	8.63	153.750	0.00	1.36	14.168	O	|	|	|	|	8.36
148.667	0.00	1.38	14.743	O	|	|	|	|	8.62	153.833	0.00	1.36	14.159	O	|	|	|	|	8.36
148.750	0.00	1.38	14.734	O	|	|	|	|	8.62	153.917	0.00	1.36	14.149	O	|	|	|	|	8.35
148.833	0.00	1.38	14.724	O	|	|	|	|	8.61	154.000	0.00	1.36	14.140	O	|	|	|	|	8.35
148.917	0.00	1.38	14.715	O	|	|	|	|	8.61	154.083	0.00	1.36	14.131	O	|	|	|	|	8.34
149.000	0.00	1.38	14.705	O	|	|	|	|	8.60	154.167	0.00	1.36	14.121	O	|	|	|	|	8.34
149.083	0.00	1.38	14.696	O	|	|	|	|	8.60	154.250	0.00	1.36	14.112	O	|	|	|	|	8.33
149.167	0.00	1.38	14.686	O	|	|	|	|	8.60	154.333	0.00	1.36	14.103	O	|	|	|	|	8.33
149.250	0.00	1.38	14.677	O	|	|	|	|	8.59	154.417	0.00	1.36	14.093	O	|	|	|	|	8.33
149.333	0.00	1.38	14.667	O	|	|	|	|	8.59	154.500	0.00	1.36	14.084	O	|	|	|	|	8.32
149.417	0.00	1.38	14.658	O	|	|	|	|	8.58	154.583	0.00	1.36	14.075	O	|	|	|	|	8.32
149.500	0.00	1.38	14.648	O	|	|	|	|	8.58	154.667	0.00	1.35	14.065	O	|	|	|	|	8.31
149.583	0.00	1.38	14.639	O	|	|	|	|	8.57	154.750	0.00	1.35	14.056	O	|	|	|	|	8.31
149.667	0.00	1.38	14.630	O	|	|	|	|	8.57	154.833	0.00	1.35	14.047	O	|	|	|	|	8.30
149.750	0.00	1.38	14.620	O	|	|	|	|	8.57	154.917	0.00	1.35	14.037	O	|	|	|	|	8.30
149.833	0.00	1.37	14.611	O	|	|	|	|	8.56	155.000	0.00	1.35	14.028	O	|	|	|	|	8.30
149.917	0.00	1.37	14.601	O	|	|	|	|	8.56	155.083	0.00	1.35	14.019	O	|	|	|	|	8.29
150.000	0.00	1.37	14.592	O	|	|	|	|	8.55	155.167	0.00	1.35	14.009	O	|	|	|	|	8.29
150.083	0.00	1.37	14.582	O	|	|	|	|	8.55	155.250	0.00	1.35	14.000	O	|	|	|	|	8.28
150.167	0.00	1.37	14.573	O	|	|	|	|	8.54	155.333	0.00	1.35	13.991	O	|	|	|	|	8.28
150.250	0.00	1.37	14.563	O	|	|	|	|	8.54	155.417	0.00	1.35	13.981	O	|	|	|	|	8.27
150.333	0.00	1.37	14.554	O	|	|	|	|	8.54	155.500	0.00	1.35	13.972	O	|	|	|	|	8.27
150.417	0.00	1.37	14.544	O	|	|	|	|	8.53	155.583	0.00	1.35	13.963	O	|	|	|	|	8.27
150.500	0.00	1.37	14.535	O	|	|	|	|	8.53	155.667	0.00	1.35	13.954	O	|	|	|	|	8.26
150.583	0.00	1.37	14.525	O	|	|	|	|	8.52	155.750	0.00	1.35	13.944	O	|	|	|	|	8.26
150.667	0.00	1.37	14.516	O	|	|	|	|	8.52	155.833	0.00	1.35	13.935	O	|	|	|	|	8.25
150.750	0.00	1.37	14.507	O	|	|	|	|	8.51	155.917	0.00	1.35	13.926	O	|	|	|	|	8.25
150.833	0.00	1.37	14.497	O	|	|	|	|	8.51	156.000	0.00	1.35	13.916	O	|	|	|	|	8.24
150.917	0.00	1.37	14.488	O	|	|	|	|	8.51	156.083	0.00	1.35	13.907	O	|	|	|	|	8.24
151.000	0.00	1.37	14.478	O	|	|	|	|	8.50	156.167	0.00	1.35	13.898	O	|	|	|	|	8.24
151.083	0.00	1.37	14.469	O	|	|	|	|	8.50	156.250	0.00	1.35	13.888	O	|	|	|	|	8.23
151.167	0.00	1.37	14.459	O	|	|	|	|	8.49	156.333	0.00	1.35	13.879	O	|	|	|	|	8.23
151.250	0.00	1.37	14.450	O	|	|	|	|	8.49	156.417	0.00	1.35	13.870	O	|	|	|	|	8.22
151.333	0.00	1.37	14.441	O	|	|	|	|	8.48	156.500	0.00	1.35	13.861	O	|	|	|	|	8.22
151.417	0.00	1.37	14.431	O	|	|	|	|	8.48	156.583	0.00	1.35	13.851	O	|	|	|	|	8.21
151.500	0.00	1.37	14.422	O	|	|	|	|	8.48	156.667	0.00	1.35	13.842	O	|	|	|	|	8.21
151.583	0.00	1.37	14.412	O	|	|	|	|	8.47	156.750	0.00	1.35	13.833	O	|	|	|	|	8.21
151.667	0.00	1.37	14.403	O	|	|	|	|	8.47	156.833	0.00	1.35	13.824	O	|	|	|	|	8.20
151.750	0.00	1.37	14.393	O	|	|	|	|	8.46	156.917	0.00	1.35	13.814	O	|	|	|	|	8.20
151.833	0.00	1.37	14.384	O	|	|	|	|	8.46	157.000	0.00	1.35	13.805	O	|	|	|	|	8.19
151.917	0.00	1.37	14.375	O	|	|	|	|	8.45	157.083	0.00	1.35	13.796	O	|	|	|	|	8.19
152.000	0.00	1.37	14.365	O	|	|	|	|	8.45	157.167	0.00	1.34	13.786	O	|	|	|	|	8.19
152.083	0.00	1.37	14.356	O	|	|	|	|	8.45	157.250	0.00	1.34	13.777	O	|	|	|	|	8.18
152.167	0.00	1.37	14.346	O	|	|	|	|	8.44	157.333	0.00	1.34	13.768	O	|	|	|	|	8.18
152.250	0.00	1.36	14.337	O	|	|	|	|	8.44	157.417	0.00	1.34	13.759	O	|	|	|	|	8.17
152.333	0.00	1.36	14.328	O	|	|	|	|	8.43	157.500	0.00	1.34	13.749	O	|	|	|	|	8.17
152.417	0.00	1.36	14.318	O	|	|	|	|	8.43	157.583	0.00	1.34	13.740	O	|	|	|	|	8.16
152.500	0.00	1.36	14.309	O	|	|	|	|	8.42	157.667	0.00	1.34	13.731	O	|	|	|	|	8.16
152.583	0.00	1.36	14.299	O	|	|	|	|	8.42	157.750	0.00	1.34	13.722	O	|	|	|	|	8.16
152.667	0.00	1.36	14.290	O	|	|	|	|	8.42	157.833	0.00	1.34	13.712	O	|	|	|	|	8.15
152.750	0.00	1.36	14.281	O	|	|	|	|	8.41	157.917	0.00	1.34	13.703	O	|	|	|	|	8.15
152.833	0.00	1.36	14.271	O	|	|	|	|	8.41	158.000	0.00	1.34	13.694	O	|	|	|	|	8.14
152.917	0.00	1.36	14.262	O	|	|	|	|	8.40	158.083	0.00	1.34	13.685	O	|	|	|	|	8.14
153.000	0.00	1.36	14.252	O	|	|	|	|	8.40	158.167	0.00	1.34	13.675	O	|	|	|	|	8.13
153.083	0.00	1.36	14.243	O	|	|	|	|	8.39	158.250	0.00	1.34	13.666	O	|	|	|	|	8.13
153.167	0.00	1.36	14.234	O	|	|	|	|	8.39	158.333	0.00	1.34	13.657	O	|	|	|	|	8.13
153.250	0.00	1.36	14.224	O	|	|	|	|	8.39	158.417	0.00	1.34	13.648	O	|	|	|	|	8.12
153.333	0.00	1.36	14.215	O	|	|	|	|	8.38	158.500	0.00	1.34	13.639	O	|	|	|	|	8.12
153.417	0.00	1.36	14.206	O	|	|	|	|	8.38	158.583	0.00	1.34	13.629	O	|	|	|	|	8.11

158.667	0.00	1.34	13.620	O	|	|	|	|	8.11	163.833	0.00	1.32	13.053	O	|	|	|	|	7.84
158.750	0.00	1.34	13.611	O	|	|	|	|	8.10	163.917	0.00	1.32	13.044	O	|	|	|	|	7.84
158.833	0.00	1.34	13.602	O	|	|	|	|	8.10	164.000	0.00	1.31	13.035	O	|	|	|	|	7.83
158.917	0.00	1.34	13.592	O	|	|	|	|	8.10	164.083	0.00	1.31	13.026	O	|	|	|	|	7.83
159.000	0.00	1.34	13.583	O	|	|	|	|	8.09	164.167	0.00	1.31	13.017	O	|	|	|	|	7.82
159.083	0.00	1.34	13.574	O	|	|	|	|	8.09	164.250	0.00	1.31	13.008	O	|	|	|	|	7.82
159.167	0.00	1.34	13.565	O	|	|	|	|	8.08	164.333	0.00	1.31	12.999	O	|	|	|	|	7.82
159.250	0.00	1.34	13.556	O	|	|	|	|	8.08	164.417	0.00	1.31	12.990	O	|	|	|	|	7.81
159.333	0.00	1.34	13.546	O	|	|	|	|	8.08	164.500	0.00	1.31	12.981	O	|	|	|	|	7.81
159.417	0.00	1.34	13.537	O	|	|	|	|	8.07	164.583	0.00	1.31	12.972	O	|	|	|	|	7.80
159.500	0.00	1.34	13.528	O	|	|	|	|	8.07	164.667	0.00	1.31	12.963	O	|	|	|	|	7.80
159.583	0.00	1.34	13.519	O	|	|	|	|	8.06	164.750	0.00	1.31	12.954	O	|	|	|	|	7.79
159.667	0.00	1.33	13.510	O	|	|	|	|	8.06	164.833	0.00	1.31	12.945	O	|	|	|	|	7.79
159.750	0.00	1.33	13.500	O	|	|	|	|	8.05	164.917	0.00	1.31	12.936	O	|	|	|	|	7.78
159.833	0.00	1.33	13.491	O	|	|	|	|	8.05	165.000	0.00	1.31	12.927	O	|	|	|	|	7.78
159.917	0.00	1.33	13.482	O	|	|	|	|	8.05	165.083	0.00	1.31	12.918	O	|	|	|	|	7.78
160.000	0.00	1.33	13.473	O	|	|	|	|	8.04	165.167	0.00	1.31	12.909	O	|	|	|	|	7.77
160.083	0.00	1.33	13.464	O	|	|	|	|	8.04	165.250	0.00	1.31	12.900	O	|	|	|	|	7.77
160.167	0.00	1.33	13.455	O	|	|	|	|	8.03	165.333	0.00	1.31	12.891	O	|	|	|	|	7.76
160.250	0.00	1.33	13.445	O	|	|	|	|	8.03	165.417	0.00	1.31	12.882	O	|	|	|	|	7.76
160.333	0.00	1.33	13.436	O	|	|	|	|	8.03	165.500	0.00	1.31	12.873	O	|	|	|	|	7.75
160.417	0.00	1.33	13.427	O	|	|	|	|	8.02	165.583	0.00	1.31	12.863	O	|	|	|	|	7.75
160.500	0.00	1.33	13.418	O	|	|	|	|	8.02	165.667	0.00	1.31	12.854	O	|	|	|	|	7.75
160.583	0.00	1.33	13.409	O	|	|	|	|	8.01	165.750	0.00	1.31	12.845	O	|	|	|	|	7.74
160.667	0.00	1.33	13.400	O	|	|	|	|	8.01	165.833	0.00	1.31	12.836	O	|	|	|	|	7.74
160.750	0.00	1.33	13.390	O	|	|	|	|	8.00	165.917	0.00	1.31	12.828	O	|	|	|	|	7.73
160.833	0.00	1.33	13.381	O	|	|	|	|	8.00	166.000	0.00	1.31	12.819	O	|	|	|	|	7.73
160.917	0.00	1.33	13.372	O	|	|	|	|	8.00	166.083	0.00	1.31	12.810	O	|	|	|	|	7.72
161.000	0.00	1.33	13.363	O	|	|	|	|	7.99	166.167	0.00	1.30	12.801	O	|	|	|	|	7.72
161.083	0.00	1.33	13.354	O	|	|	|	|	7.99	166.250	0.00	1.30	12.792	O	|	|	|	|	7.72
161.167	0.00	1.33	13.345	O	|	|	|	|	7.98	166.333	0.00	1.30	12.783	O	|	|	|	|	7.71
161.250	0.00	1.33	13.335	O	|	|	|	|	7.98	166.417	0.00	1.30	12.774	O	|	|	|	|	7.71
161.333	0.00	1.33	13.326	O	|	|	|	|	7.97	166.500	0.00	1.30	12.765	O	|	|	|	|	7.70
161.417	0.00	1.33	13.317	O	|	|	|	|	7.97	166.583	0.00	1.30	12.756	O	|	|	|	|	7.70
161.500	0.00	1.33	13.308	O	|	|	|	|	7.96	166.667	0.00	1.30	12.747	O	|	|	|	|	7.69
161.583	0.00	1.33	13.299	O	|	|	|	|	7.96	166.750	0.00	1.30	12.738	O	|	|	|	|	7.69
161.667	0.00	1.33	13.290	O	|	|	|	|	7.96	166.833	0.00	1.30	12.729	O	|	|	|	|	7.69
161.750	0.00	1.33	13.281	O	|	|	|	|	7.95	166.917	0.00	1.30	12.720	O	|	|	|	|	7.68
161.833	0.00	1.33	13.271	O	|	|	|	|	7.95	167.000	0.00	1.30	12.711	O	|	|	|	|	7.68
161.917	0.00	1.32	13.262	O	|	|	|	|	7.94	167.083	0.00	1.30	12.702	O	|	|	|	|	7.67
162.000	0.00	1.32	13.253	O	|	|	|	|	7.94	167.167	0.00	1.30	12.693	O	|	|	|	|	7.67
162.083	0.00	1.32	13.244	O	|	|	|	|	7.93	167.250	0.00	1.30	12.684	O	|	|	|	|	7.66
162.167	0.00	1.32	13.235	O	|	|	|	|	7.93	167.333	0.00	1.30	12.675	O	|	|	|	|	7.66
162.250	0.00	1.32	13.226	O	|	|	|	|	7.93	167.417	0.00	1.30	12.666	O	|	|	|	|	7.65
162.333	0.00	1.32	13.217	O	|	|	|	|	7.92	167.500	0.00	1.30	12.657	O	|	|	|	|	7.65
162.417	0.00	1.32	13.208	O	|	|	|	|	7.92	167.583	0.00	1.30	12.648	O	|	|	|	|	7.65
162.500	0.00	1.32	13.199	O	|	|	|	|	7.91	167.667	0.00	1.30	12.639	O	|	|	|	|	7.64
162.583	0.00	1.32	13.189	O	|	|	|	|	7.91	167.750	0.00	1.30	12.630	O	|	|	|	|	7.64
162.667	0.00	1.32	13.180	O	|	|	|	|	7.90	167.833	0.00	1.30	12.621	O	|	|	|	|	7.63
162.750	0.00	1.32	13.171	O	|	|	|	|	7.90	167.917	0.00	1.30	12.612	O	|	|	|	|	7.63
162.833	0.00	1.32	13.162	O	|	|	|	|	7.89	168.000	0.00	1.30	12.603	O	|	|	|	|	7.62
162.917	0.00	1.32	13.153	O	|	|	|	|	7.89	168.083	0.00	1.30	12.595	O	|	|	|	|	7.62
163.000	0.00	1.32	13.144	O	|	|	|	|	7.89	168.167	0.00	1.30	12.586	O	|	|	|	|	7.62
163.083	0.00	1.32	13.135	O	|	|	|	|	7.88	168.250	0.00	1.30	12.577	O	|	|	|	|	7.61
163.167	0.00	1.32	13.126	O	|	|	|	|	7.88	168.333	0.00	1.29	12.568	O	|	|	|	|	7.61
163.250	0.00	1.32	13.117	O	|	|	|	|	7.87	168.417	0.00	1.29	12.559	O	|	|	|	|	7.60
163.333	0.00	1.32	13.108	O	|	|	|	|	7.87	168.500	0.00	1.29	12.550	O	|	|	|	|	7.60
163.417	0.00	1.32	13.099	O	|	|	|	|	7.86	168.583	0.00	1.29	12.541	O	|	|	|	|	7.59
163.500	0.00	1.32	13.089	O	|	|	|	|	7.86	168.667	0.00	1.29	12.532	O	|	|	|	|	7.59
163.583	0.00	1.32	13.080	O	|	|	|	|	7.85	168.750	0.00	1.29	12.523	O	|	|	|	|	7.59
163.667	0.00	1.32	13.071	O	|	|	|	|	7.85	168.833	0.00	1.29	12.514	O	|	|	|	|	7.58
163.750	0.00	1.32	13.062	O	|	|	|	|	7.85	168.917	0.00	1.29	12.505	O	|	|	|	|	7.58

169.000	0.00	1.29	12.497	O	|	|	|	|	7.57	174.167	0.00	1.27	11.950	O	|	|	|	|	7.31
169.083	0.00	1.29	12.488	O	|	|	|	|	7.57	174.250	0.00	1.27	11.941	O	|	|	|	|	7.30
169.167	0.00	1.29	12.479	O	|	|	|	|	7.56	174.333	0.00	1.27	11.933	O	|	|	|	|	7.30
169.250	0.00	1.29	12.470	O	|	|	|	|	7.56	174.417	0.00	1.27	11.924	O	|	|	|	|	7.30
169.333	0.00	1.29	12.461	O	|	|	|	|	7.56	174.500	0.00	1.27	11.915	O	|	|	|	|	7.29
169.417	0.00	1.29	12.452	O	|	|	|	|	7.55	174.583	0.00	1.27	11.907	O	|	|	|	|	7.29
169.500	0.00	1.29	12.443	O	|	|	|	|	7.55	174.667	0.00	1.27	11.898	O	|	|	|	|	7.28
169.583	0.00	1.29	12.434	O	|	|	|	|	7.54	174.750	0.00	1.27	11.889	O	|	|	|	|	7.28
169.667	0.00	1.29	12.425	O	|	|	|	|	7.54	174.833	0.00	1.26	11.880	O	|	|	|	|	7.28
169.750	0.00	1.29	12.417	O	|	|	|	|	7.53	174.917	0.00	1.26	11.872	O	|	|	|	|	7.27
169.833	0.00	1.29	12.408	O	|	|	|	|	7.53	175.000	0.00	1.26	11.863	O	|	|	|	|	7.27
169.917	0.00	1.29	12.399	O	|	|	|	|	7.53	175.083	0.00	1.26	11.854	O	|	|	|	|	7.26
170.000	0.00	1.29	12.390	O	|	|	|	|	7.52	175.167	0.00	1.26	11.846	O	|	|	|	|	7.26
170.083	0.00	1.29	12.381	O	|	|	|	|	7.52	175.250	0.00	1.26	11.837	O	|	|	|	|	7.25
170.167	0.00	1.29	12.372	O	|	|	|	|	7.51	175.333	0.00	1.26	11.828	O	|	|	|	|	7.25
170.250	0.00	1.29	12.363	O	|	|	|	|	7.51	175.417	0.00	1.26	11.819	O	|	|	|	|	7.25
170.333	0.00	1.29	12.355	O	|	|	|	|	7.50	175.500	0.00	1.26	11.811	O	|	|	|	|	7.24
170.417	0.00	1.29	12.346	O	|	|	|	|	7.50	175.583	0.00	1.26	11.802	O	|	|	|	|	7.24
170.500	0.00	1.28	12.337	O	|	|	|	|	7.50	175.667	0.00	1.26	11.793	O	|	|	|	|	7.23
170.583	0.00	1.28	12.328	O	|	|	|	|	7.49	175.750	0.00	1.26	11.785	O	|	|	|	|	7.23
170.667	0.00	1.28	12.319	O	|	|	|	|	7.49	175.833	0.00	1.26	11.776	O	|	|	|	|	7.23
170.750	0.00	1.28	12.310	O	|	|	|	|	7.48	175.917	0.00	1.26	11.767	O	|	|	|	|	7.22
170.833	0.00	1.28	12.302	O	|	|	|	|	7.48	176.000	0.00	1.26	11.759	O	|	|	|	|	7.22
170.917	0.00	1.28	12.293	O	|	|	|	|	7.47	176.083	0.00	1.26	11.750	O	|	|	|	|	7.21
171.000	0.00	1.28	12.284	O	|	|	|	|	7.47	176.167	0.00	1.26	11.741	O	|	|	|	|	7.21
171.083	0.00	1.28	12.275	O	|	|	|	|	7.47	176.250	0.00	1.26	11.733	O	|	|	|	|	7.20
171.167	0.00	1.28	12.266	O	|	|	|	|	7.46	176.333	0.00	1.26	11.724	O	|	|	|	|	7.20
171.250	0.00	1.28	12.257	O	|	|	|	|	7.46	176.417	0.00	1.26	11.715	O	|	|	|	|	7.20
171.333	0.00	1.28	12.249	O	|	|	|	|	7.45	176.500	0.00	1.26	11.707	O	|	|	|	|	7.19
171.417	0.00	1.28	12.240	O	|	|	|	|	7.45	176.583	0.00	1.26	11.698	O	|	|	|	|	7.19
171.500	0.00	1.28	12.231	O	|	|	|	|	7.44	176.667	0.00	1.26	11.689	O	|	|	|	|	7.18
171.583	0.00	1.28	12.222	O	|	|	|	|	7.44	176.750	0.00	1.26	11.681	O	|	|	|	|	7.18
171.667	0.00	1.28	12.213	O	|	|	|	|	7.44	176.833	0.00	1.26	11.672	O	|	|	|	|	7.17
171.750	0.00	1.28	12.204	O	|	|	|	|	7.43	176.917	0.00	1.26	11.663	O	|	|	|	|	7.17
171.833	0.00	1.28	12.196	O	|	|	|	|	7.43	177.000	0.00	1.25	11.655	O	|	|	|	|	7.17
171.917	0.00	1.28	12.187	O	|	|	|	|	7.42	177.083	0.00	1.25	11.646	O	|	|	|	|	7.16
172.000	0.00	1.28	12.178	O	|	|	|	|	7.42	177.167	0.00	1.25	11.637	O	|	|	|	|	7.16
172.083	0.00	1.28	12.169	O	|	|	|	|	7.41	177.250	0.00	1.25	11.629	O	|	|	|	|	7.15
172.167	0.00	1.28	12.160	O	|	|	|	|	7.41	177.333	0.00	1.25	11.620	O	|	|	|	|	7.15
172.250	0.00	1.28	12.152	O	|	|	|	|	7.41	177.417	0.00	1.25	11.612	O	|	|	|	|	7.15
172.333	0.00	1.28	12.143	O	|	|	|	|	7.40	177.500	0.00	1.25	11.603	O	|	|	|	|	7.14
172.417	0.00	1.28	12.134	O	|	|	|	|	7.40	177.583	0.00	1.25	11.594	O	|	|	|	|	7.14
172.500	0.00	1.28	12.125	O	|	|	|	|	7.39	177.667	0.00	1.25	11.586	O	|	|	|	|	7.13
172.583	0.00	1.28	12.117	O	|	|	|	|	7.39	177.750	0.00	1.25	11.577	O	|	|	|	|	7.13
172.667	0.00	1.27	12.108	O	|	|	|	|	7.39	177.833	0.00	1.25	11.568	O	|	|	|	|	7.12
172.750	0.00	1.27	12.099	O	|	|	|	|	7.38	177.917	0.00	1.25	11.560	O	|	|	|	|	7.12
172.833	0.00	1.27	12.090	O	|	|	|	|	7.38	178.000	0.00	1.25	11.551	O	|	|	|	|	7.12
172.917	0.00	1.27	12.081	O	|	|	|	|	7.37	178.083	0.00	1.25	11.543	O	|	|	|	|	7.11
173.000	0.00	1.27	12.073	O	|	|	|	|	7.37	178.167	0.00	1.25	11.534	O	|	|	|	|	7.11
173.083	0.00	1.27	12.064	O	|	|	|	|	7.36	178.250	0.00	1.25	11.525	O	|	|	|	|	7.10
173.167	0.00	1.27	12.055	O	|	|	|	|	7.36	178.333	0.00	1.25	11.517	O	|	|	|	|	7.10
173.250	0.00	1.27	12.046	O	|	|	|	|	7.36	178.417	0.00	1.25	11.508	O	|	|	|	|	7.10
173.333	0.00	1.27	12.038	O	|	|	|	|	7.35	178.500	0.00	1.25	11.500	O	|	|	|	|	7.09
173.417	0.00	1.27	12.029	O	|	|	|	|	7.35	178.583	0.00	1.25	11.491	O	|	|	|	|	7.09
173.500	0.00	1.27	12.020	O	|	|	|	|	7.34	178.667	0.00	1.25	11.482	O	|	|	|	|	7.08
173.583	0.00	1.27	12.011	O	|	|	|	|	7.34	178.750	0.00	1.25	11.474	O	|	|	|	|	7.08
173.667	0.00	1.27	12.003	O	|	|	|	|	7.33	178.833	0.00	1.25	11.465	O	|	|	|	|	7.07
173.750	0.00	1.27	11.994	O	|	|	|	|	7.33	178.917	0.00	1.25	11.457	O	|	|	|	|	7.07
173.833	0.00	1.27	11.985	O	|	|	|	|	7.33	179.000	0.00	1.25	11.448	O	|	|	|	|	7.07
173.917	0.00	1.27	11.976	O	|	|	|	|	7.32	179.083	0.00	1.25	11.440	O	|	|	|	|	7.06
174.000	0.00	1.27	11.968	O	|	|	|	|	7.32	179.167	0.00	1.25	11.431	O	|	|	|	|	7.06
174.083	0.00	1.27	11.959	O	|	|	|	|	7.31	179.250	0.00	1.24	11.422	O	|	|	|	|	7.05

179.333	0.00	1.24	11.414	O					7.05	184.500	0.00	1.22	10.887	O					6.78
179.417	0.00	1.24	11.405	O					7.05	184.583	0.00	1.22	10.879	O					6.78
179.500	0.00	1.24	11.397	O					7.04	184.667	0.00	1.22	10.871	O					6.77
179.583	0.00	1.24	11.388	O					7.04	184.750	0.00	1.22	10.862	O					6.77
179.667	0.00	1.24	11.380	O					7.03	184.833	0.00	1.22	10.854	O					6.77
179.750	0.00	1.24	11.371	O					7.03	184.917	0.00	1.22	10.845	O					6.76
179.833	0.00	1.24	11.362	O					7.03	185.000	0.00	1.22	10.837	O					6.76
179.917	0.00	1.24	11.354	O					7.02	185.083	0.00	1.22	10.829	O					6.75
180.000	0.00	1.24	11.345	O					7.02	185.167	0.00	1.22	10.820	O					6.75
180.083	0.00	1.24	11.337	O					7.01	185.250	0.00	1.22	10.812	O					6.74
180.167	0.00	1.24	11.328	O					7.01	185.333	0.00	1.22	10.804	O					6.74
180.250	0.00	1.24	11.320	O					7.00	185.417	0.00	1.22	10.795	O					6.74
180.333	0.00	1.24	11.311	O					7.00	185.500	0.00	1.22	10.787	O					6.73
180.417	0.00	1.24	11.303	O					7.00	185.583	0.00	1.22	10.778	O					6.73
180.500	0.00	1.24	11.294	O					6.99	185.667	0.00	1.22	10.770	O					6.72
180.583	0.00	1.24	11.286	O					6.99	185.750	0.00	1.21	10.762	O					6.72
180.667	0.00	1.24	11.277	O					6.98	185.833	0.00	1.21	10.753	O					6.71
180.750	0.00	1.24	11.268	O					6.98	185.917	0.00	1.21	10.745	O					6.71
180.833	0.00	1.24	11.260	O					6.97	186.000	0.00	1.21	10.737	O					6.71
180.917	0.00	1.24	11.251	O					6.97	186.083	0.00	1.21	10.728	O					6.70
181.000	0.00	1.24	11.243	O					6.97	186.167	0.00	1.21	10.720	O					6.70
181.083	0.00	1.24	11.234	O					6.96	186.250	0.00	1.21	10.712	O					6.69
181.167	0.00	1.24	11.226	O					6.96	186.333	0.00	1.21	10.703	O					6.69
181.250	0.00	1.24	11.217	O					6.95	186.417	0.00	1.21	10.695	O					6.68
181.333	0.00	1.24	11.209	O					6.95	186.500	0.00	1.21	10.686	O					6.68
181.417	0.00	1.23	11.200	O					6.94	186.583	0.00	1.21	10.678	O					6.68
181.500	0.00	1.23	11.192	O					6.94	186.667	0.00	1.21	10.670	O					6.67
181.583	0.00	1.23	11.183	O					6.94	186.750	0.00	1.21	10.661	O					6.67
181.667	0.00	1.23	11.175	O					6.93	186.833	0.00	1.21	10.653	O					6.66
181.750	0.00	1.23	11.166	O					6.93	186.917	0.00	1.21	10.645	O					6.66
181.833	0.00	1.23	11.158	O					6.92	187.000	0.00	1.21	10.636	O					6.65
181.917	0.00	1.23	11.149	O					6.92	187.083	0.00	1.21	10.628	O					6.65
182.000	0.00	1.23	11.141	O					6.91	187.167	0.00	1.21	10.620	O					6.65
182.083	0.00	1.23	11.132	O					6.91	187.250	0.00	1.21	10.612	O					6.64
182.167	0.00	1.23	11.124	O					6.90	187.333	0.00	1.21	10.603	O					6.64
182.250	0.00	1.23	11.115	O					6.90	187.417	0.00	1.21	10.595	O					6.63
182.333	0.00	1.23	11.107	O					6.90	187.500	0.00	1.21	10.587	O					6.63
182.417	0.00	1.23	11.098	O					6.89	187.583	0.00	1.21	10.578	O					6.63
182.500	0.00	1.23	11.090	O					6.89	187.667	0.00	1.21	10.570	O					6.62
182.583	0.00	1.23	11.082	O					6.88	187.750	0.00	1.21	10.562	O					6.62
182.667	0.00	1.23	11.073	O					6.88	187.833	0.00	1.21	10.553	O					6.61
182.750	0.00	1.23	11.065	O					6.87	187.917	0.00	1.20	10.545	O					6.61
182.833	0.00	1.23	11.056	O					6.87	188.000	0.00	1.20	10.537	O					6.60
182.917	0.00	1.23	11.048	O					6.87	188.083	0.00	1.20	10.528	O					6.60
183.000	0.00	1.23	11.039	O					6.86	188.167	0.00	1.20	10.520	O					6.60
183.083	0.00	1.23	11.031	O					6.86	188.250	0.00	1.20	10.512	O					6.59
183.167	0.00	1.23	11.022	O					6.85	188.333	0.00	1.20	10.504	O					6.59
183.250	0.00	1.23	11.014	O					6.85	188.417	0.00	1.20	10.495	O					6.58
183.333	0.00	1.23	11.005	O					6.84	188.500	0.00	1.20	10.487	O					6.58
183.417	0.00	1.23	10.997	O					6.84	188.583	0.00	1.20	10.479	O					6.57
183.500	0.00	1.23	10.989	O					6.84	188.667	0.00	1.20	10.471	O					6.57
183.583	0.00	1.22	10.980	O					6.83	188.750	0.00	1.20	10.462	O					6.57
183.667	0.00	1.22	10.972	O					6.83	188.833	0.00	1.20	10.454	O					6.56
183.750	0.00	1.22	10.963	O					6.82	188.917	0.00	1.20	10.446	O					6.56
183.833	0.00	1.22	10.955	O					6.82	189.000	0.00	1.20	10.437	O					6.55
183.917	0.00	1.22	10.946	O					6.81	189.083	0.00	1.20	10.429	O					6.55
184.000	0.00	1.22	10.938	O					6.81	189.167	0.00	1.20	10.421	O					6.54
184.083	0.00	1.22	10.930	O					6.81	189.250	0.00	1.20	10.413	O					6.54
184.167	0.00	1.22	10.921	O					6.80	189.333	0.00	1.20	10.404	O					6.54
184.250	0.00	1.22	10.913	O					6.80	189.417	0.00	1.20	10.396	O					6.53
184.333	0.00	1.22	10.904	O					6.79	189.500	0.00	1.20	10.388	O					6.53
184.417	0.00	1.22	10.896	O					6.79	189.583	0.00	1.20	10.380	O					6.52

189.667	0.00	1.20	10.371	O	|	|	|	|	6.52	194.833	0.00	1.17	9.865	O	|	|	|	|	6.26
189.750	0.00	1.20	10.363	O	|	|	|	|	6.51	194.917	0.00	1.17	9.857	O	|	|	|	|	6.26
189.833	0.00	1.20	10.355	O	|	|	|	|	6.51	195.000	0.00	1.17	9.849	O	|	|	|	|	6.25
189.917	0.00	1.20	10.347	O	|	|	|	|	6.51	195.083	0.00	1.17	9.841	O	|	|	|	|	6.25
190.000	0.00	1.20	10.338	O	|	|	|	|	6.50	195.167	0.00	1.17	9.833	O	|	|	|	|	6.24
190.083	0.00	1.19	10.330	O	|	|	|	|	6.50	195.250	0.00	1.17	9.825	O	|	|	|	|	6.24
190.167	0.00	1.19	10.322	O	|	|	|	|	6.49	195.333	0.00	1.17	9.817	O	|	|	|	|	6.24
190.250	0.00	1.19	10.314	O	|	|	|	|	6.49	195.417	0.00	1.17	9.809	O	|	|	|	|	6.23
190.333	0.00	1.19	10.306	O	|	|	|	|	6.49	195.500	0.00	1.17	9.801	O	|	|	|	|	6.23
190.417	0.00	1.19	10.297	O	|	|	|	|	6.48	195.583	0.00	1.17	9.793	O	|	|	|	|	6.22
190.500	0.00	1.19	10.289	O	|	|	|	|	6.48	195.667	0.00	1.17	9.785	O	|	|	|	|	6.22
190.583	0.00	1.19	10.281	O	|	|	|	|	6.47	195.750	0.00	1.17	9.777	O	|	|	|	|	6.21
190.667	0.00	1.19	10.273	O	|	|	|	|	6.47	195.833	0.00	1.17	9.769	O	|	|	|	|	6.21
190.750	0.00	1.19	10.264	O	|	|	|	|	6.46	195.917	0.00	1.17	9.761	O	|	|	|	|	6.21
190.833	0.00	1.19	10.256	O	|	|	|	|	6.46	196.000	0.00	1.17	9.753	O	|	|	|	|	6.20
190.917	0.00	1.19	10.248	O	|	|	|	|	6.46	196.083	0.00	1.17	9.744	O	|	|	|	|	6.20
191.000	0.00	1.19	10.240	O	|	|	|	|	6.45	196.167	0.00	1.17	9.736	O	|	|	|	|	6.19
191.083	0.00	1.19	10.232	O	|	|	|	|	6.45	196.250	0.00	1.17	9.728	O	|	|	|	|	6.19
191.167	0.00	1.19	10.223	O	|	|	|	|	6.44	196.333	0.00	1.17	9.720	O	|	|	|	|	6.19
191.250	0.00	1.19	10.215	O	|	|	|	|	6.44	196.417	0.00	1.17	9.712	O	|	|	|	|	6.18
191.333	0.00	1.19	10.207	O	|	|	|	|	6.43	196.500	0.00	1.17	9.704	O	|	|	|	|	6.18
191.417	0.00	1.19	10.199	O	|	|	|	|	6.43	196.583	0.00	1.17	9.696	O	|	|	|	|	6.17
191.500	0.00	1.19	10.191	O	|	|	|	|	6.43	196.667	0.00	1.17	9.688	O	|	|	|	|	6.17
191.583	0.00	1.19	10.183	O	|	|	|	|	6.42	196.750	0.00	1.16	9.680	O	|	|	|	|	6.17
191.667	0.00	1.19	10.174	O	|	|	|	|	6.42	196.833	0.00	1.16	9.672	O	|	|	|	|	6.16
191.750	0.00	1.19	10.166	O	|	|	|	|	6.41	196.917	0.00	1.16	9.664	O	|	|	|	|	6.16
191.833	0.00	1.19	10.158	O	|	|	|	|	6.41	197.000	0.00	1.16	9.656	O	|	|	|	|	6.15
191.917	0.00	1.19	10.150	O	|	|	|	|	6.41	197.083	0.00	1.16	9.648	O	|	|	|	|	6.15
192.000	0.00	1.19	10.142	O	|	|	|	|	6.40	197.167	0.00	1.16	9.640	O	|	|	|	|	6.14
192.083	0.00	1.19	10.133	O	|	|	|	|	6.40	197.250	0.00	1.16	9.632	O	|	|	|	|	6.14
192.167	0.00	1.19	10.125	O	|	|	|	|	6.39	197.333	0.00	1.16	9.624	O	|	|	|	|	6.14
192.250	0.00	1.19	10.117	O	|	|	|	|	6.39	197.417	0.00	1.16	9.616	O	|	|	|	|	6.13
192.333	0.00	1.18	10.109	O	|	|	|	|	6.38	197.500	0.00	1.16	9.608	O	|	|	|	|	6.13
192.417	0.00	1.18	10.101	O	|	|	|	|	6.38	197.583	0.00	1.16	9.600	O	|	|	|	|	6.12
192.500	0.00	1.18	10.093	O	|	|	|	|	6.38	197.667	0.00	1.16	9.592	O	|	|	|	|	6.12
192.583	0.00	1.18	10.085	O	|	|	|	|	6.37	197.750	0.00	1.16	9.584	O	|	|	|	|	6.12
192.667	0.00	1.18	10.076	O	|	|	|	|	6.37	197.833	0.00	1.16	9.576	O	|	|	|	|	6.11
192.750	0.00	1.18	10.068	O	|	|	|	|	6.36	197.917	0.00	1.16	9.568	O	|	|	|	|	6.11
192.833	0.00	1.18	10.060	O	|	|	|	|	6.36	198.000	0.00	1.16	9.560	O	|	|	|	|	6.10
192.917	0.00	1.18	10.052	O	|	|	|	|	6.36	198.083	0.00	1.16	9.552	O	|	|	|	|	6.10
193.000	0.00	1.18	10.044	O	|	|	|	|	6.35	198.167	0.00	1.16	9.544	O	|	|	|	|	6.10
193.083	0.00	1.18	10.036	O	|	|	|	|	6.35	198.250	0.00	1.16	9.536	O	|	|	|	|	6.09
193.167	0.00	1.18	10.028	O	|	|	|	|	6.34	198.333	0.00	1.16	9.528	O	|	|	|	|	6.09
193.250	0.00	1.18	10.019	O	|	|	|	|	6.34	198.417	0.00	1.16	9.520	O	|	|	|	|	6.08
193.333	0.00	1.18	10.011	O	|	|	|	|	6.33	198.500	0.00	1.16	9.512	O	|	|	|	|	6.08
193.417	0.00	1.18	10.003	O	|	|	|	|	6.33	198.583	0.00	1.16	9.504	O	|	|	|	|	6.07
193.500	0.00	1.18	9.995	O	|	|	|	|	6.33	198.667	0.00	1.16	9.496	O	|	|	|	|	6.07
193.583	0.00	1.18	9.987	O	|	|	|	|	6.32	198.750	0.00	1.16	9.488	O	|	|	|	|	6.07
193.667	0.00	1.18	9.979	O	|	|	|	|	6.32	198.833	0.00	1.16	9.480	O	|	|	|	|	6.06
193.750	0.00	1.18	9.971	O	|	|	|	|	6.31	198.917	0.00	1.16	9.472	O	|	|	|	|	6.06
193.833	0.00	1.18	9.963	O	|	|	|	|	6.31	199.000	0.00	1.15	9.465	O	|	|	|	|	6.05
193.917	0.00	1.18	9.954	O	|	|	|	|	6.31	199.083	0.00	1.15	9.457	O	|	|	|	|	6.05
194.000	0.00	1.18	9.946	O	|	|	|	|	6.30	199.167	0.00	1.15	9.449	O	|	|	|	|	6.05
194.083	0.00	1.18	9.938	O	|	|	|	|	6.30	199.250	0.00	1.15	9.441	O	|	|	|	|	6.04
194.167	0.00	1.18	9.930	O	|	|	|	|	6.29	199.333	0.00	1.15	9.433	O	|	|	|	|	6.04
194.250	0.00	1.18	9.922	O	|	|	|	|	6.29	199.417	0.00	1.15	9.425	O	|	|	|	|	6.03
194.333	0.00	1.18	9.914	O	|	|	|	|	6.28	199.500	0.00	1.15	9.417	O	|	|	|	|	6.03
194.417	0.00	1.18	9.906	O	|	|	|	|	6.28	199.583	0.00	1.15	9.409	O	|	|	|	|	6.03
194.500	0.00	1.17	9.898	O	|	|	|	|	6.28	199.667	0.00	1.15	9.401	O	|	|	|	|	6.02
194.583	0.00	1.17	9.890	O	|	|	|	|	6.27	199.750	0.00	1.15	9.393	O	|	|	|	|	6.02
194.667	0.00	1.17	9.882	O	|	|	|	|	6.27	199.833	0.00	1.15	9.385	O	|	|	|	|	6.01
194.750	0.00	1.17	9.873	O	|	|	|	|	6.26	199.917	0.00	1.15	9.377	O	|	|	|	|	6.01

200.000	0.00	1.15	9.369	O	|	|	|	|	6.01	205.167	0.00	1.12	8.884	O	|	|	|	|	5.74
200.083	0.00	1.15	9.361	O	|	|	|	|	6.00	205.250	0.00	1.12	8.876	O	|	|	|	|	5.74
200.167	0.00	1.15	9.353	O	|	|	|	|	6.00	205.333	0.00	1.12	8.869	O	|	|	|	|	5.73
200.250	0.00	1.15	9.346	O	|	|	|	|	5.99	205.417	0.00	1.12	8.861	O	|	|	|	|	5.73
200.333	0.00	1.15	9.338	O	|	|	|	|	5.99	205.500	0.00	1.12	8.853	O	|	|	|	|	5.73
200.417	0.00	1.15	9.330	O	|	|	|	|	5.98	205.583	0.00	1.12	8.846	O	|	|	|	|	5.72
200.500	0.00	1.15	9.322	O	|	|	|	|	5.98	205.667	0.00	1.12	8.838	O	|	|	|	|	5.72
200.583	0.00	1.15	9.314	O	|	|	|	|	5.98	205.750	0.00	1.12	8.830	O	|	|	|	|	5.71
200.667	0.00	1.15	9.306	O	|	|	|	|	5.97	205.833	0.00	1.12	8.822	O	|	|	|	|	5.71
200.750	0.00	1.15	9.298	O	|	|	|	|	5.97	205.917	0.00	1.12	8.815	O	|	|	|	|	5.70
200.833	0.00	1.15	9.290	O	|	|	|	|	5.96	206.000	0.00	1.12	8.807	O	|	|	|	|	5.70
200.917	0.00	1.15	9.282	O	|	|	|	|	5.96	206.083	0.00	1.12	8.799	O	|	|	|	|	5.70
201.000	0.00	1.14	9.274	O	|	|	|	|	5.95	206.167	0.00	1.12	8.792	O	|	|	|	|	5.69
201.083	0.00	1.14	9.267	O	|	|	|	|	5.95	206.250	0.00	1.12	8.784	O	|	|	|	|	5.69
201.167	0.00	1.14	9.259	O	|	|	|	|	5.95	206.333	0.00	1.12	8.776	O	|	|	|	|	5.68
201.250	0.00	1.14	9.251	O	|	|	|	|	5.94	206.417	0.00	1.11	8.769	O	|	|	|	|	5.68
201.333	0.00	1.14	9.243	O	|	|	|	|	5.94	206.500	0.00	1.11	8.761	O	|	|	|	|	5.67
201.417	0.00	1.14	9.235	O	|	|	|	|	5.93	206.583	0.00	1.11	8.753	O	|	|	|	|	5.67
201.500	0.00	1.14	9.227	O	|	|	|	|	5.93	206.667	0.00	1.11	8.746	O	|	|	|	|	5.67
201.583	0.00	1.14	9.219	O	|	|	|	|	5.92	206.750	0.00	1.11	8.738	O	|	|	|	|	5.66
201.667	0.00	1.14	9.211	O	|	|	|	|	5.92	206.833	0.00	1.11	8.730	O	|	|	|	|	5.66
201.750	0.00	1.14	9.204	O	|	|	|	|	5.92	206.917	0.00	1.11	8.723	O	|	|	|	|	5.65
201.833	0.00	1.14	9.196	O	|	|	|	|	5.91	207.000	0.00	1.11	8.715	O	|	|	|	|	5.65
201.917	0.00	1.14	9.188	O	|	|	|	|	5.91	207.083	0.00	1.11	8.707	O	|	|	|	|	5.65
202.000	0.00	1.14	9.180	O	|	|	|	|	5.90	207.167	0.00	1.11	8.700	O	|	|	|	|	5.64
202.083	0.00	1.14	9.172	O	|	|	|	|	5.90	207.250	0.00	1.11	8.692	O	|	|	|	|	5.64
202.167	0.00	1.14	9.164	O	|	|	|	|	5.89	207.333	0.00	1.11	8.684	O	|	|	|	|	5.63
202.250	0.00	1.14	9.156	O	|	|	|	|	5.89	207.417	0.00	1.11	8.677	O	|	|	|	|	5.63
202.333	0.00	1.14	9.149	O	|	|	|	|	5.89	207.500	0.00	1.11	8.669	O	|	|	|	|	5.62
202.417	0.00	1.14	9.141	O	|	|	|	|	5.88	207.583	0.00	1.11	8.661	O	|	|	|	|	5.62
202.500	0.00	1.14	9.133	O	|	|	|	|	5.88	207.667	0.00	1.11	8.654	O	|	|	|	|	5.62
202.583	0.00	1.14	9.125	O	|	|	|	|	5.87	207.750	0.00	1.11	8.646	O	|	|	|	|	5.61
202.667	0.00	1.14	9.117	O	|	|	|	|	5.87	207.833	0.00	1.11	8.639	O	|	|	|	|	5.61
202.750	0.00	1.14	9.110	O	|	|	|	|	5.86	207.917	0.00	1.11	8.631	O	|	|	|	|	5.60
202.833	0.00	1.13	9.102	O	|	|	|	|	5.86	208.000	0.00	1.11	8.623	O	|	|	|	|	5.60
202.917	0.00	1.13	9.094	O	|	|	|	|	5.86	208.083	0.00	1.11	8.616	O	|	|	|	|	5.60
203.000	0.00	1.13	9.086	O	|	|	|	|	5.85	208.167	0.00	1.11	8.608	O	|	|	|	|	5.59
203.083	0.00	1.13	9.078	O	|	|	|	|	5.85	208.250	0.00	1.10	8.601	O	|	|	|	|	5.59
203.167	0.00	1.13	9.070	O	|	|	|	|	5.84	208.333	0.00	1.10	8.593	O	|	|	|	|	5.58
203.250	0.00	1.13	9.063	O	|	|	|	|	5.84	208.417	0.00	1.10	8.585	O	|	|	|	|	5.58
203.333	0.00	1.13	9.055	O	|	|	|	|	5.83	208.500	0.00	1.10	8.578	O	|	|	|	|	5.58
203.417	0.00	1.13	9.047	O	|	|	|	|	5.83	208.583	0.00	1.10	8.570	O	|	|	|	|	5.57
203.500	0.00	1.13	9.039	O	|	|	|	|	5.83	208.667	0.00	1.10	8.563	O	|	|	|	|	5.57
203.583	0.00	1.13	9.032	O	|	|	|	|	5.82	208.750	0.00	1.10	8.555	O	|	|	|	|	5.56
203.667	0.00	1.13	9.024	O	|	|	|	|	5.82	208.833	0.00	1.10	8.547	O	|	|	|	|	5.56
203.750	0.00	1.13	9.016	O	|	|	|	|	5.81	208.917	0.00	1.10	8.540	O	|	|	|	|	5.55
203.833	0.00	1.13	9.008	O	|	|	|	|	5.81	209.000	0.00	1.10	8.532	O	|	|	|	|	5.55
203.917	0.00	1.13	9.000	O	|	|	|	|	5.81	209.083	0.00	1.10	8.525	O	|	|	|	|	5.55
204.000	0.00	1.13	8.993	O	|	|	|	|	5.80	209.167	0.00	1.10	8.517	O	|	|	|	|	5.54
204.083	0.00	1.13	8.985	O	|	|	|	|	5.80	209.250	0.00	1.10	8.509	O	|	|	|	|	5.54
204.167	0.00	1.13	8.977	O	|	|	|	|	5.79	209.333	0.00	1.10	8.502	O	|	|	|	|	5.53
204.250	0.00	1.13	8.969	O	|	|	|	|	5.79	209.417	0.00	1.10	8.494	O	|	|	|	|	5.53
204.333	0.00	1.13	8.962	O	|	|	|	|	5.78	209.500	0.00	1.10	8.487	O	|	|	|	|	5.53
204.417	0.00	1.13	8.954	O	|	|	|	|	5.78	209.583	0.00	1.10	8.479	O	|	|	|	|	5.52
204.500	0.00	1.13	8.946	O	|	|	|	|	5.78	209.667	0.00	1.10	8.472	O	|	|	|	|	5.52
204.583	0.00	1.12	8.938	O	|	|	|	|	5.77	209.750	0.00	1.10	8.464	O	|	|	|	|	5.51
204.667	0.00	1.12	8.931	O	|	|	|	|	5.77	209.833	0.00	1.10	8.457	O	|	|	|	|	5.51
204.750	0.00	1.12	8.923	O	|	|	|	|	5.76	209.917	0.00	1.10	8.449	O	|	|	|	|	5.50
204.833	0.00	1.12	8.915	O	|	|	|	|	5.76	210.000	0.00	1.10	8.441	O	|	|	|	|	5.50
204.917	0.00	1.12	8.907	O	|	|	|	|	5.75	210.083	0.00	1.09	8.434	O	|	|	|	|	5.50
205.000	0.00	1.12	8.900	O	|	|	|	|	5.75	210.167	0.00	1.09	8.426	O	|	|	|	|	5.49
205.083	0.00	1.12	8.892	O	|	|	|	|	5.75	210.250	0.00	1.09	8.419	O	|	|	|	|	5.49

210.333	0.00	1.09	8.411	O	|	|	|	|	5.48	215.500	0.00	1.07	7.950	O	|	|	|	|	5.23
210.417	0.00	1.09	8.404	O	|	|	|	|	5.48	215.583	0.00	1.07	7.943	O	|	|	|	|	5.23
210.500	0.00	1.09	8.396	O	|	|	|	|	5.48	215.667	0.00	1.06	7.936	O	|	|	|	|	5.23
210.583	0.00	1.09	8.389	O	|	|	|	|	5.47	215.750	0.00	1.06	7.928	O	|	|	|	|	5.22
210.667	0.00	1.09	8.381	O	|	|	|	|	5.47	215.833	0.00	1.06	7.921	O	|	|	|	|	5.22
210.750	0.00	1.09	8.374	O	|	|	|	|	5.46	215.917	0.00	1.06	7.914	O	|	|	|	|	5.21
210.833	0.00	1.09	8.366	O	|	|	|	|	5.46	216.000	0.00	1.06	7.906	O	|	|	|	|	5.21
210.917	0.00	1.09	8.359	O	|	|	|	|	5.46	216.083	0.00	1.06	7.899	O	|	|	|	|	5.21
211.000	0.00	1.09	8.351	O	|	|	|	|	5.45	216.167	0.00	1.06	7.892	O	|	|	|	|	5.20
211.083	0.00	1.09	8.344	O	|	|	|	|	5.45	216.250	0.00	1.06	7.884	O	|	|	|	|	5.20
211.167	0.00	1.09	8.336	O	|	|	|	|	5.44	216.333	0.00	1.06	7.877	O	|	|	|	|	5.19
211.250	0.00	1.09	8.329	O	|	|	|	|	5.44	216.417	0.00	1.06	7.870	O	|	|	|	|	5.19
211.333	0.00	1.09	8.321	O	|	|	|	|	5.44	216.500	0.00	1.06	7.863	O	|	|	|	|	5.19
211.417	0.00	1.09	8.314	O	|	|	|	|	5.43	216.583	0.00	1.06	7.855	O	|	|	|	|	5.18
211.500	0.00	1.09	8.306	O	|	|	|	|	5.43	216.667	0.00	1.06	7.848	O	|	|	|	|	5.18
211.583	0.00	1.09	8.299	O	|	|	|	|	5.42	216.750	0.00	1.06	7.841	O	|	|	|	|	5.17
211.667	0.00	1.09	8.291	O	|	|	|	|	5.42	216.833	0.00	1.06	7.833	O	|	|	|	|	5.17
211.750	0.00	1.09	8.284	O	|	|	|	|	5.41	216.917	0.00	1.06	7.826	O	|	|	|	|	5.17
211.833	0.00	1.09	8.276	O	|	|	|	|	5.41	217.000	0.00	1.06	7.819	O	|	|	|	|	5.16
211.917	0.00	1.08	8.269	O	|	|	|	|	5.41	217.083	0.00	1.06	7.812	O	|	|	|	|	5.16
212.000	0.00	1.08	8.261	O	|	|	|	|	5.40	217.167	0.00	1.06	7.804	O	|	|	|	|	5.15
212.083	0.00	1.08	8.254	O	|	|	|	|	5.40	217.250	0.00	1.06	7.797	O	|	|	|	|	5.15
212.167	0.00	1.08	8.246	O	|	|	|	|	5.39	217.333	0.00	1.06	7.790	O	|	|	|	|	5.15
212.250	0.00	1.08	8.239	O	|	|	|	|	5.39	217.417	0.00	1.06	7.782	O	|	|	|	|	5.14
212.333	0.00	1.08	8.232	O	|	|	|	|	5.39	217.500	0.00	1.06	7.775	O	|	|	|	|	5.14
212.417	0.00	1.08	8.224	O	|	|	|	|	5.38	217.583	0.00	1.05	7.768	O	|	|	|	|	5.13
212.500	0.00	1.08	8.217	O	|	|	|	|	5.38	217.667	0.00	1.05	7.761	O	|	|	|	|	5.13
212.583	0.00	1.08	8.209	O	|	|	|	|	5.37	217.750	0.00	1.05	7.753	O	|	|	|	|	5.13
212.667	0.00	1.08	8.202	O	|	|	|	|	5.37	217.833	0.00	1.05	7.746	O	|	|	|	|	5.12
212.750	0.00	1.08	8.194	O	|	|	|	|	5.37	217.917	0.00	1.05	7.739	O	|	|	|	|	5.12
212.833	0.00	1.08	8.187	O	|	|	|	|	5.36	218.000	0.00	1.05	7.732	O	|	|	|	|	5.11
212.917	0.00	1.08	8.179	O	|	|	|	|	5.36	218.083	0.00	1.05	7.724	O	|	|	|	|	5.11
213.000	0.00	1.08	8.172	O	|	|	|	|	5.35	218.167	0.00	1.05	7.717	O	|	|	|	|	5.11
213.083	0.00	1.08	8.165	O	|	|	|	|	5.35	218.250	0.00	1.05	7.710	O	|	|	|	|	5.10
213.167	0.00	1.08	8.157	O	|	|	|	|	5.35	218.333	0.00	1.05	7.703	O	|	|	|	|	5.10
213.250	0.00	1.08	8.150	O	|	|	|	|	5.34	218.417	0.00	1.05	7.695	O	|	|	|	|	5.09
213.333	0.00	1.08	8.142	O	|	|	|	|	5.34	218.500	0.00	1.05	7.688	O	|	|	|	|	5.09
213.417	0.00	1.08	8.135	O	|	|	|	|	5.33	218.583	0.00	1.05	7.681	O	|	|	|	|	5.09
213.500	0.00	1.08	8.127	O	|	|	|	|	5.33	218.667	0.00	1.05	7.674	O	|	|	|	|	5.08
213.583	0.00	1.08	8.120	O	|	|	|	|	5.33	218.750	0.00	1.05	7.666	O	|	|	|	|	5.08
213.667	0.00	1.08	8.113	O	|	|	|	|	5.32	218.833	0.00	1.05	7.659	O	|	|	|	|	5.07
213.750	0.00	1.07	8.105	O	|	|	|	|	5.32	218.917	0.00	1.05	7.652	O	|	|	|	|	5.07
213.833	0.00	1.07	8.098	O	|	|	|	|	5.31	219.000	0.00	1.05	7.645	O	|	|	|	|	5.07
213.917	0.00	1.07	8.090	O	|	|	|	|	5.31	219.083	0.00	1.05	7.638	O	|	|	|	|	5.06
214.000	0.00	1.07	8.083	O	|	|	|	|	5.31	219.167	0.00	1.05	7.630	O	|	|	|	|	5.06
214.083	0.00	1.07	8.076	O	|	|	|	|	5.30	219.250	0.00	1.05	7.623	O	|	|	|	|	5.06
214.167	0.00	1.07	8.068	O	|	|	|	|	5.30	219.333	0.00	1.05	7.616	O	|	|	|	|	5.05
214.250	0.00	1.07	8.061	O	|	|	|	|	5.29	219.417	0.00	1.05	7.609	O	|	|	|	|	5.05
214.333	0.00	1.07	8.053	O	|	|	|	|	5.29	219.500	0.00	1.04	7.602	O	|	|	|	|	5.04
214.417	0.00	1.07	8.046	O	|	|	|	|	5.29	219.583	0.00	1.04	7.594	O	|	|	|	|	5.04
214.500	0.00	1.07	8.039	O	|	|	|	|	5.28	219.667	0.00	1.04	7.587	O	|	|	|	|	5.04
214.583	0.00	1.07	8.031	O	|	|	|	|	5.28	219.750	0.00	1.04	7.580	O	|	|	|	|	5.03
214.667	0.00	1.07	8.024	O	|	|	|	|	5.27	219.833	0.00	1.04	7.573	O	|	|	|	|	5.03
214.750	0.00	1.07	8.017	O	|	|	|	|	5.27	219.917	0.00	1.04	7.566	O	|	|	|	|	5.02
214.833	0.00	1.07	8.009	O	|	|	|	|	5.27	220.000	0.00	1.04	7.558	O	|	|	|	|	5.02
214.917	0.00	1.07	8.002	O	|	|	|	|	5.26	220.083	0.00	1.04	7.551	O	|	|	|	|	5.02
215.000	0.00	1.07	7.995	O	|	|	|	|	5.26	220.167	0.00	1.04	7.544	O	|	|	|	|	5.01
215.083	0.00	1.07	7.987	O	|	|	|	|	5.25	220.250	0.00	1.04	7.537	O	|	|	|	|	5.01
215.167	0.00	1.07	7.980	O	|	|	|	|	5.25	220.333	0.00	1.04	7.530	O	|	|	|	|	5.00
215.250	0.00	1.07	7.972	O	|	|	|	|	5.25	220.417	0.00	1.04	7.523	O	|	|	|	|	5.00
215.333	0.00	1.07	7.965	O	|	|	|	|	5.24	220.500	0.00	1.04	7.515	O	|	|	|	|	5.00
215.417	0.00	1.07	7.958	O	|	|	|	|	5.24	220.583	0.00	1.04	7.508	O	|	|	|	|	4.99

220.667	0.00	1.04	7.501	O	|	|	|	|	4.99	225.833	0.00	1.01	7.064	O	|	|	|	|	4.73
220.750	0.00	1.04	7.494	O	|	|	|	|	4.98	225.917	0.00	1.01	7.058	O	|	|	|	|	4.72
220.833	0.00	1.04	7.487	O	|	|	|	|	4.98	226.000	0.00	1.01	7.051	O	|	|	|	|	4.72
220.917	0.00	1.04	7.480	O	|	|	|	|	4.97	226.083	0.00	1.01	7.044	O	|	|	|	|	4.71
221.000	0.00	1.04	7.473	O	|	|	|	|	4.97	226.167	0.00	1.01	7.037	O	|	|	|	|	4.71
221.083	0.00	1.04	7.465	O	|	|	|	|	4.97	226.250	0.00	1.00	7.030	O	|	|	|	|	4.70
221.167	0.00	1.04	7.458	O	|	|	|	|	4.96	226.333	0.00	1.00	7.023	O	|	|	|	|	4.70
221.250	0.00	1.03	7.451	O	|	|	|	|	4.96	226.417	0.00	1.00	7.016	O	|	|	|	|	4.70
221.333	0.00	1.03	7.444	O	|	|	|	|	4.95	226.500	0.00	1.00	7.009	O	|	|	|	|	4.69
221.417	0.00	1.03	7.437	O	|	|	|	|	4.95	226.583	0.00	1.00	7.002	O	|	|	|	|	4.69
221.500	0.00	1.03	7.430	O	|	|	|	|	4.94	226.667	0.00	1.00	6.995	O	|	|	|	|	4.68
221.583	0.00	1.03	7.423	O	|	|	|	|	4.94	226.750	0.00	1.00	6.988	O	|	|	|	|	4.68
221.667	0.00	1.03	7.416	O	|	|	|	|	4.94	226.833	0.00	1.00	6.981	O	|	|	|	|	4.68
221.750	0.00	1.03	7.408	O	|	|	|	|	4.93	226.917	0.00	1.00	6.975	O	|	|	|	|	4.67
221.833	0.00	1.03	7.401	O	|	|	|	|	4.93	227.000	0.00	1.00	6.968	O	|	|	|	|	4.67
221.917	0.00	1.03	7.394	O	|	|	|	|	4.92	227.083	0.00	1.00	6.961	O	|	|	|	|	4.66
222.000	0.00	1.03	7.387	O	|	|	|	|	4.92	227.167	0.00	1.00	6.954	O	|	|	|	|	4.66
222.083	0.00	1.03	7.380	O	|	|	|	|	4.91	227.250	0.00	1.00	6.947	O	|	|	|	|	4.65
222.167	0.00	1.03	7.373	O	|	|	|	|	4.91	227.333	0.00	1.00	6.940	O	|	|	|	|	4.65
222.250	0.00	1.03	7.366	O	|	|	|	|	4.91	227.417	0.00	1.00	6.933	O	|	|	|	|	4.65
222.333	0.00	1.03	7.359	O	|	|	|	|	4.90	227.500	0.00	1.00	6.926	O	|	|	|	|	4.64
222.417	0.00	1.03	7.352	O	|	|	|	|	4.90	227.583	0.00	1.00	6.920	O	|	|	|	|	4.64
222.500	0.00	1.03	7.345	O	|	|	|	|	4.89	227.667	0.00	1.00	6.913	O	|	|	|	|	4.63
222.583	0.00	1.03	7.338	O	|	|	|	|	4.89	227.750	0.00	1.00	6.906	O	|	|	|	|	4.63
222.667	0.00	1.03	7.331	O	|	|	|	|	4.89	227.833	0.00	1.00	6.899	O	|	|	|	|	4.63
222.750	0.00	1.03	7.323	O	|	|	|	|	4.88	227.917	0.00	0.99	6.892	O	|	|	|	|	4.62
222.833	0.00	1.03	7.316	O	|	|	|	|	4.88	228.000	0.00	0.99	6.885	O	|	|	|	|	4.62
222.917	0.00	1.02	7.309	O	|	|	|	|	4.87	228.083	0.00	0.99	6.878	O	|	|	|	|	4.61
223.000	0.00	1.02	7.302	O	|	|	|	|	4.87	228.167	0.00	0.99	6.872	O	|	|	|	|	4.61
223.083	0.00	1.02	7.295	O	|	|	|	|	4.86	228.250	0.00	0.99	6.865	O	|	|	|	|	4.61
223.167	0.00	1.02	7.288	O	|	|	|	|	4.86	228.333	0.00	0.99	6.858	O	|	|	|	|	4.60
223.250	0.00	1.02	7.281	O	|	|	|	|	4.86	228.417	0.00	0.99	6.851	O	|	|	|	|	4.60
223.333	0.00	1.02	7.274	O	|	|	|	|	4.85	228.500	0.00	0.99	6.844	O	|	|	|	|	4.59
223.417	0.00	1.02	7.267	O	|	|	|	|	4.85	228.583	0.00	0.99	6.837	O	|	|	|	|	4.59
223.500	0.00	1.02	7.260	O	|	|	|	|	4.84	228.667	0.00	0.99	6.831	O	|	|	|	|	4.59
223.583	0.00	1.02	7.253	O	|	|	|	|	4.84	228.750	0.00	0.99	6.824	O	|	|	|	|	4.58
223.667	0.00	1.02	7.246	O	|	|	|	|	4.83	228.833	0.00	0.99	6.817	O	|	|	|	|	4.58
223.750	0.00	1.02	7.239	O	|	|	|	|	4.83	228.917	0.00	0.99	6.810	O	|	|	|	|	4.57
223.833	0.00	1.02	7.232	O	|	|	|	|	4.83	229.000	0.00	0.99	6.803	O	|	|	|	|	4.57
223.917	0.00	1.02	7.225	O	|	|	|	|	4.82	229.083	0.00	0.99	6.797	O	|	|	|	|	4.56
224.000	0.00	1.02	7.218	O	|	|	|	|	4.82	229.167	0.00	0.99	6.790	O	|	|	|	|	4.56
224.083	0.00	1.02	7.211	O	|	|	|	|	4.81	229.250	0.00	0.99	6.783	O	|	|	|	|	4.56
224.167	0.00	1.02	7.204	O	|	|	|	|	4.81	229.333	0.00	0.99	6.776	O	|	|	|	|	4.55
224.250	0.00	1.02	7.197	O	|	|	|	|	4.80	229.417	0.00	0.99	6.769	O	|	|	|	|	4.55
224.333	0.00	1.02	7.190	O	|	|	|	|	4.80	229.500	0.00	0.99	6.763	O	|	|	|	|	4.54
224.417	0.00	1.02	7.183	O	|	|	|	|	4.80	229.583	0.00	0.98	6.756	O	|	|	|	|	4.54
224.500	0.00	1.02	7.176	O	|	|	|	|	4.79	229.667	0.00	0.98	6.749	O	|	|	|	|	4.54
224.583	0.00	1.01	7.169	O	|	|	|	|	4.79	229.750	0.00	0.98	6.742	O	|	|	|	|	4.53
224.667	0.00	1.01	7.162	O	|	|	|	|	4.78	229.833	0.00	0.98	6.735	O	|	|	|	|	4.53
224.750	0.00	1.01	7.155	O	|	|	|	|	4.78	229.917	0.00	0.98	6.729	O	|	|	|	|	4.52
224.833	0.00	1.01	7.148	O	|	|	|	|	4.78	230.000	0.00	0.98	6.722	O	|	|	|	|	4.52
224.917	0.00	1.01	7.141	O	|	|	|	|	4.77	230.083	0.00	0.98	6.715	O	|	|	|	|	4.52
225.000	0.00	1.01	7.134	O	|	|	|	|	4.77	230.167	0.00	0.98	6.708	O	|	|	|	|	4.51
225.083	0.00	1.01	7.127	O	|	|	|	|	4.76	230.250	0.00	0.98	6.702	O	|	|	|	|	4.51
225.167	0.00	1.01	7.120	O	|	|	|	|	4.76	230.333	0.00	0.98	6.695	O	|	|	|	|	4.50
225.250	0.00	1.01	7.113	O	|	|	|	|	4.75	230.417	0.00	0.98	6.688	O	|	|	|	|	4.50
225.333	0.00	1.01	7.106	O	|	|	|	|	4.75	230.500	0.00	0.98	6.681	O	|	|	|	|	4.50
225.417	0.00	1.01	7.099	O	|	|	|	|	4.75	230.583	0.00	0.98	6.675	O	|	|	|	|	4.49
225.500	0.00	1.01	7.092	O	|	|	|	|	4.74	230.667	0.00	0.98	6.668	O	|	|	|	|	4.49
225.583	0.00	1.01	7.085	O	|	|	|	|	4.74	230.750	0.00	0.98	6.661	O	|	|	|	|	4.48
225.667	0.00	1.01	7.078	O	|	|	|	|	4.73	230.833	0.00	0.98	6.654	O	|	|	|	|	4.48
225.750	0.00	1.01	7.071	O	|	|	|	|	4.73	230.917	0.00	0.98	6.648	O	|	|	|	|	4.48

231.000	0.00	0.98	6.641	O	|	|	|	|	4.47	236.167	0.00	0.95	6.230	O	|	|	|	|	4.22
231.083	0.00	0.98	6.634	O	|	|	|	|	4.47	236.250	0.00	0.95	6.224	O	|	|	|	|	4.22
231.167	0.00	0.98	6.628	O	|	|	|	|	4.46	236.333	0.00	0.95	6.217	O	|	|	|	|	4.22
231.250	0.00	0.98	6.621	O	|	|	|	|	4.46	236.417	0.00	0.95	6.211	O	|	|	|	|	4.21
231.333	0.00	0.97	6.614	O	|	|	|	|	4.46	236.500	0.00	0.95	6.204	O	|	|	|	|	4.21
231.417	0.00	0.97	6.607	O	|	|	|	|	4.45	236.583	0.00	0.94	6.198	O	|	|	|	|	4.21
231.500	0.00	0.97	6.601	O	|	|	|	|	4.45	236.667	0.00	0.94	6.191	O	|	|	|	|	4.20
231.583	0.00	0.97	6.594	O	|	|	|	|	4.44	236.750	0.00	0.94	6.185	O	|	|	|	|	4.20
231.667	0.00	0.97	6.587	O	|	|	|	|	4.44	236.833	0.00	0.94	6.178	O	|	|	|	|	4.19
231.750	0.00	0.97	6.581	O	|	|	|	|	4.43	236.917	0.00	0.94	6.172	O	|	|	|	|	4.19
231.833	0.00	0.97	6.574	O	|	|	|	|	4.43	237.000	0.00	0.94	6.165	O	|	|	|	|	4.19
231.917	0.00	0.97	6.567	O	|	|	|	|	4.43	237.083	0.00	0.94	6.159	O	|	|	|	|	4.18
232.000	0.00	0.97	6.561	O	|	|	|	|	4.42	237.167	0.00	0.94	6.152	O	|	|	|	|	4.18
232.083	0.00	0.97	6.554	O	|	|	|	|	4.42	237.250	0.00	0.94	6.146	O	|	|	|	|	4.17
232.167	0.00	0.97	6.547	O	|	|	|	|	4.41	237.333	0.00	0.94	6.139	O	|	|	|	|	4.17
232.250	0.00	0.97	6.540	O	|	|	|	|	4.41	237.417	0.00	0.94	6.133	O	|	|	|	|	4.17
232.333	0.00	0.97	6.534	O	|	|	|	|	4.41	237.500	0.00	0.94	6.126	O	|	|	|	|	4.16
232.417	0.00	0.97	6.527	O	|	|	|	|	4.40	237.583	0.00	0.94	6.120	O	|	|	|	|	4.16
232.500	0.00	0.97	6.520	O	|	|	|	|	4.40	237.667	0.00	0.94	6.113	O	|	|	|	|	4.15
232.583	0.00	0.97	6.514	O	|	|	|	|	4.39	237.750	0.00	0.94	6.107	O	|	|	|	|	4.15
232.667	0.00	0.97	6.507	O	|	|	|	|	4.39	237.833	0.00	0.94	6.101	O	|	|	|	|	4.15
232.750	0.00	0.97	6.500	O	|	|	|	|	4.39	237.917	0.00	0.94	6.094	O	|	|	|	|	4.14
232.833	0.00	0.97	6.494	O	|	|	|	|	4.38	238.000	0.00	0.94	6.088	O	|	|	|	|	4.14
232.917	0.00	0.97	6.487	O	|	|	|	|	4.38	238.083	0.00	0.94	6.081	O	|	|	|	|	4.14
233.000	0.00	0.96	6.481	O	|	|	|	|	4.37	238.167	0.00	0.94	6.075	O	|	|	|	|	4.13
233.083	0.00	0.96	6.474	O	|	|	|	|	4.37	238.250	0.00	0.94	6.068	O	|	|	|	|	4.13
233.167	0.00	0.96	6.467	O	|	|	|	|	4.37	238.333	0.00	0.93	6.062	O	|	|	|	|	4.12
233.250	0.00	0.96	6.461	O	|	|	|	|	4.36	238.417	0.00	0.93	6.055	O	|	|	|	|	4.12
233.333	0.00	0.96	6.454	O	|	|	|	|	4.36	238.500	0.00	0.93	6.049	O	|	|	|	|	4.12
233.417	0.00	0.96	6.447	O	|	|	|	|	4.35	238.583	0.00	0.93	6.043	O	|	|	|	|	4.11
233.500	0.00	0.96	6.441	O	|	|	|	|	4.35	238.667	0.00	0.93	6.036	O	|	|	|	|	4.11
233.583	0.00	0.96	6.434	O	|	|	|	|	4.35	238.750	0.00	0.93	6.030	O	|	|	|	|	4.10
233.667	0.00	0.96	6.427	O	|	|	|	|	4.34	238.833	0.00	0.93	6.023	O	|	|	|	|	4.10
233.750	0.00	0.96	6.421	O	|	|	|	|	4.34	238.917	0.00	0.93	6.017	O	|	|	|	|	4.10
233.833	0.00	0.96	6.414	O	|	|	|	|	4.34	239.000	0.00	0.93	6.010	O	|	|	|	|	4.09
233.917	0.00	0.96	6.408	O	|	|	|	|	4.33	239.083	0.00	0.93	6.004	O	|	|	|	|	4.09
234.000	0.00	0.96	6.401	O	|	|	|	|	4.33	239.167	0.00	0.93	5.998	O	|	|	|	|	4.09
234.083	0.00	0.96	6.394	O	|	|	|	|	4.32	239.250	0.00	0.93	5.991	O	|	|	|	|	4.08
234.167	0.00	0.96	6.388	O	|	|	|	|	4.32	239.333	0.00	0.93	5.985	O	|	|	|	|	4.08
234.250	0.00	0.96	6.381	O	|	|	|	|	4.32	239.417	0.00	0.93	5.978	O	|	|	|	|	4.07
234.333	0.00	0.96	6.375	O	|	|	|	|	4.31	239.500	0.00	0.93	5.972	O	|	|	|	|	4.07
234.417	0.00	0.96	6.368	O	|	|	|	|	4.31	239.583	0.00	0.93	5.966	O	|	|	|	|	4.07
234.500	0.00	0.96	6.361	O	|	|	|	|	4.30	239.667	0.00	0.93	5.959	O	|	|	|	|	4.06
234.583	0.00	0.96	6.355	O	|	|	|	|	4.30	239.750	0.00	0.93	5.953	O	|	|	|	|	4.06
234.667	0.00	0.96	6.348	O	|	|	|	|	4.30	239.833	0.00	0.93	5.947	O	|	|	|	|	4.05
234.750	0.00	0.95	6.342	O	|	|	|	|	4.29	239.917	0.00	0.93	5.940	O	|	|	|	|	4.05
234.833	0.00	0.95	6.335	O	|	|	|	|	4.29	240.000	0.00	0.93	5.934	O	|	|	|	|	4.05
234.917	0.00	0.95	6.329	O	|	|	|	|	4.28	240.083	0.00	0.93	5.927	O	|	|	|	|	4.04
235.000	0.00	0.95	6.322	O	|	|	|	|	4.28	240.167	0.00	0.92	5.921	O	|	|	|	|	4.04
235.083	0.00	0.95	6.315	O	|	|	|	|	4.28	240.250	0.00	0.92	5.915	O	|	|	|	|	4.04
235.167	0.00	0.95	6.309	O	|	|	|	|	4.27	240.333	0.00	0.92	5.908	O	|	|	|	|	4.03
235.250	0.00	0.95	6.302	O	|	|	|	|	4.27	240.417	0.00	0.92	5.902	O	|	|	|	|	4.03
235.333	0.00	0.95	6.296	O	|	|	|	|	4.26	240.500	0.00	0.92	5.896	O	|	|	|	|	4.02
235.417	0.00	0.95	6.289	O	|	|	|	|	4.26	240.583	0.00	0.92	5.889	O	|	|	|	|	4.02
235.500	0.00	0.95	6.283	O	|	|	|	|	4.26	240.667	0.00	0.92	5.883	O	|	|	|	|	4.02
235.583	0.00	0.95	6.276	O	|	|	|	|	4.25	240.750	0.00	0.92	5.877	O	|	|	|	|	4.01
235.667	0.00	0.95	6.270	O	|	|	|	|	4.25	240.833	0.00	0.92	5.870	O	|	|	|	|	4.01
235.750	0.00	0.95	6.263	O	|	|	|	|	4.24	240.917	0.00	0.92	5.864	O	|	|	|	|	4.00
235.833	0.00	0.95	6.256	O	|	|	|	|	4.24	241.000	0.00	0.92	5.857	O	|	|	|	|	4.00
235.917	0.00	0.95	6.250	O	|	|	|	|	4.24	241.083	0.00	0.92	5.851	O	|	|	|	|	4.00
236.000	0.00	0.95	6.243	O	|	|	|	|	4.23	241.167	0.00	0.92	5.845	O	|	|	|	|	3.99
236.083	0.00	0.95	6.237	O	|	|	|	|	4.23	241.250	0.00	0.92	5.838	O	|	|	|	|	3.99

241.333	0.00	0.92	5.832	O	|	|	|	|	3.99	246.500	0.00	0.89	5.446	O	|	|	|	|	3.75
241.417	0.00	0.92	5.826	O	|	|	|	|	3.98	246.583	0.00	0.89	5.440	O	|	|	|	|	3.75
241.500	0.00	0.92	5.820	O	|	|	|	|	3.98	246.667	0.00	0.89	5.434	O	|	|	|	|	3.75
241.583	0.00	0.92	5.813	O	|	|	|	|	3.97	246.750	0.00	0.89	5.428	O	|	|	|	|	3.74
241.667	0.00	0.92	5.807	O	|	|	|	|	3.97	246.833	0.00	0.89	5.422	O	|	|	|	|	3.74
241.750	0.00	0.92	5.801	O	|	|	|	|	3.97	246.917	0.00	0.89	5.415	O	|	|	|	|	3.74
241.833	0.00	0.92	5.794	O	|	|	|	|	3.96	247.000	0.00	0.89	5.409	O	|	|	|	|	3.73
241.917	0.00	0.92	5.788	O	|	|	|	|	3.96	247.083	0.00	0.89	5.403	O	|	|	|	|	3.73
242.000	0.00	0.91	5.782	O	|	|	|	|	3.96	247.167	0.00	0.89	5.397	O	|	|	|	|	3.72
242.083	0.00	0.91	5.775	O	|	|	|	|	3.95	247.250	0.00	0.89	5.391	O	|	|	|	|	3.72
242.167	0.00	0.91	5.769	O	|	|	|	|	3.95	247.333	0.00	0.89	5.385	O	|	|	|	|	3.72
242.250	0.00	0.91	5.763	O	|	|	|	|	3.94	247.417	0.00	0.89	5.379	O	|	|	|	|	3.71
242.333	0.00	0.91	5.757	O	|	|	|	|	3.94	247.500	0.00	0.89	5.373	O	|	|	|	|	3.71
242.417	0.00	0.91	5.750	O	|	|	|	|	3.94	247.583	0.00	0.88	5.367	O	|	|	|	|	3.71
242.500	0.00	0.91	5.744	O	|	|	|	|	3.93	247.667	0.00	0.88	5.360	O	|	|	|	|	3.70
242.583	0.00	0.91	5.738	O	|	|	|	|	3.93	247.750	0.00	0.88	5.354	O	|	|	|	|	3.70
242.667	0.00	0.91	5.731	O	|	|	|	|	3.93	247.833	0.00	0.88	5.348	O	|	|	|	|	3.70
242.750	0.00	0.91	5.725	O	|	|	|	|	3.92	247.917	0.00	0.88	5.342	O	|	|	|	|	3.69
242.833	0.00	0.91	5.719	O	|	|	|	|	3.92	248.000	0.00	0.88	5.336	O	|	|	|	|	3.69
242.917	0.00	0.91	5.713	O	|	|	|	|	3.91	248.083	0.00	0.88	5.330	O	|	|	|	|	3.68
243.000	0.00	0.91	5.706	O	|	|	|	|	3.91	248.167	0.00	0.88	5.324	O	|	|	|	|	3.68
243.083	0.00	0.91	5.700	O	|	|	|	|	3.91	248.250	0.00	0.88	5.318	O	|	|	|	|	3.68
243.167	0.00	0.91	5.694	O	|	|	|	|	3.90	248.333	0.00	0.88	5.312	O	|	|	|	|	3.67
243.250	0.00	0.91	5.688	O	|	|	|	|	3.90	248.417	0.00	0.88	5.306	O	|	|	|	|	3.67
243.333	0.00	0.91	5.681	O	|	|	|	|	3.90	248.500	0.00	0.88	5.300	O	|	|	|	|	3.67
243.417	0.00	0.91	5.675	O	|	|	|	|	3.89	248.583	0.00	0.88	5.294	O	|	|	|	|	3.66
243.500	0.00	0.91	5.669	O	|	|	|	|	3.89	248.667	0.00	0.88	5.288	O	|	|	|	|	3.66
243.583	0.00	0.91	5.663	O	|	|	|	|	3.88	248.750	0.00	0.88	5.282	O	|	|	|	|	3.66
243.667	0.00	0.91	5.656	O	|	|	|	|	3.88	248.833	0.00	0.88	5.276	O	|	|	|	|	3.65
243.750	0.00	0.91	5.650	O	|	|	|	|	3.88	248.917	0.00	0.88	5.269	O	|	|	|	|	3.65
243.833	0.00	0.90	5.644	O	|	|	|	|	3.87	249.000	0.00	0.88	5.263	O	|	|	|	|	3.64
243.917	0.00	0.90	5.638	O	|	|	|	|	3.87	249.083	0.00	0.88	5.257	O	|	|	|	|	3.64
244.000	0.00	0.90	5.631	O	|	|	|	|	3.87	249.167	0.00	0.88	5.251	O	|	|	|	|	3.64
244.083	0.00	0.90	5.625	O	|	|	|	|	3.86	249.250	0.00	0.88	5.245	O	|	|	|	|	3.63
244.167	0.00	0.90	5.619	O	|	|	|	|	3.86	249.333	0.00	0.88	5.239	O	|	|	|	|	3.63
244.250	0.00	0.90	5.613	O	|	|	|	|	3.85	249.417	0.00	0.88	5.233	O	|	|	|	|	3.63
244.333	0.00	0.90	5.607	O	|	|	|	|	3.85	249.500	0.00	0.87	5.227	O	|	|	|	|	3.62
244.417	0.00	0.90	5.600	O	|	|	|	|	3.85	249.583	0.00	0.87	5.221	O	|	|	|	|	3.62
244.500	0.00	0.90	5.594	O	|	|	|	|	3.84	249.667	0.00	0.87	5.215	O	|	|	|	|	3.62
244.583	0.00	0.90	5.588	O	|	|	|	|	3.84	249.750	0.00	0.87	5.209	O	|	|	|	|	3.61
244.667	0.00	0.90	5.582	O	|	|	|	|	3.84	249.833	0.00	0.87	5.203	O	|	|	|	|	3.61
244.750	0.00	0.90	5.575	O	|	|	|	|	3.83	249.917	0.00	0.87	5.197	O	|	|	|	|	3.60
244.833	0.00	0.90	5.569	O	|	|	|	|	3.83	250.000	0.00	0.87	5.191	O	|	|	|	|	3.60
244.917	0.00	0.90	5.563	O	|	|	|	|	3.82	250.083	0.00	0.87	5.185	O	|	|	|	|	3.60
245.000	0.00	0.90	5.557	O	|	|	|	|	3.82	250.167	0.00	0.87	5.179	O	|	|	|	|	3.59
245.083	0.00	0.90	5.551	O	|	|	|	|	3.82	250.250	0.00	0.87	5.173	O	|	|	|	|	3.59
245.167	0.00	0.90	5.545	O	|	|	|	|	3.81	250.333	0.00	0.87	5.167	O	|	|	|	|	3.59
245.250	0.00	0.90	5.538	O	|	|	|	|	3.81	250.417	0.00	0.87	5.161	O	|	|	|	|	3.58
245.333	0.00	0.90	5.532	O	|	|	|	|	3.81	250.500	0.00	0.87	5.155	O	|	|	|	|	3.58
245.417	0.00	0.90	5.526	O	|	|	|	|	3.80	250.583	0.00	0.87	5.149	O	|	|	|	|	3.58
245.500	0.00	0.90	5.520	O	|	|	|	|	3.80	250.667	0.00	0.87	5.143	O	|	|	|	|	3.57
245.583	0.00	0.90	5.514	O	|	|	|	|	3.79	250.750	0.00	0.87	5.137	O	|	|	|	|	3.57
245.667	0.00	0.89	5.508	O	|	|	|	|	3.79	250.833	0.00	0.87	5.131	O	|	|	|	|	3.56
245.750	0.00	0.89	5.501	O	|	|	|	|	3.79	250.917	0.00	0.87	5.125	O	|	|	|	|	3.56
245.833	0.00	0.89	5.495	O	|	|	|	|	3.78	251.000	0.00	0.87	5.119	O	|	|	|	|	3.56
245.917	0.00	0.89	5.489	O	|	|	|	|	3.78	251.083	0.00	0.87	5.113	O	|	|	|	|	3.55
246.000	0.00	0.89	5.483	O	|	|	|	|	3.78	251.167	0.00	0.87	5.107	O	|	|	|	|	3.55
246.083	0.00	0.89	5.477	O	|	|	|	|	3.77	251.250	0.00	0.87	5.101	O	|	|	|	|	3.55
246.167	0.00	0.89	5.471	O	|	|	|	|	3.77	251.333	0.00	0.87	5.095	O	|	|	|	|	3.54
246.250	0.00	0.89	5.464	O	|	|	|	|	3.76	251.417	0.00	0.86	5.089	O	|	|	|	|	3.54
246.333	0.00	0.89	5.458	O	|	|	|	|	3.76	251.500	0.00	0.86	5.083	O	|	|	|	|	3.54
246.417	0.00	0.89	5.452	O	|	|	|	|	3.76	251.583	0.00	0.86	5.078	O	|	|	|	|	3.53

251.667	0.00	0.86	5.072	O	|	|	|	|	3.53	256.833	0.00	0.84	4.708	O	|	|	|	|	3.31
251.750	0.00	0.86	5.066	O	|	|	|	|	3.53	256.917	0.00	0.84	4.703	O	|	|	|	|	3.31
251.833	0.00	0.86	5.060	O	|	|	|	|	3.52	257.000	0.00	0.84	4.697	O	|	|	|	|	3.30
251.917	0.00	0.86	5.054	O	|	|	|	|	3.52	257.083	0.00	0.84	4.691	O	|	|	|	|	3.30
252.000	0.00	0.86	5.048	O	|	|	|	|	3.51	257.167	0.00	0.84	4.685	O	|	|	|	|	3.30
252.083	0.00	0.86	5.042	O	|	|	|	|	3.51	257.250	0.00	0.84	4.680	O	|	|	|	|	3.29
252.167	0.00	0.86	5.036	O	|	|	|	|	3.51	257.333	0.00	0.83	4.674	O	|	|	|	|	3.29
252.250	0.00	0.86	5.030	O	|	|	|	|	3.50	257.417	0.00	0.83	4.668	O	|	|	|	|	3.29
252.333	0.00	0.86	5.024	O	|	|	|	|	3.50	257.500	0.00	0.83	4.662	O	|	|	|	|	3.28
252.417	0.00	0.86	5.018	O	|	|	|	|	3.50	257.583	0.00	0.83	4.657	O	|	|	|	|	3.28
252.500	0.00	0.86	5.012	O	|	|	|	|	3.49	257.667	0.00	0.83	4.651	O	|	|	|	|	3.28
252.583	0.00	0.86	5.006	O	|	|	|	|	3.49	257.750	0.00	0.83	4.645	O	|	|	|	|	3.27
252.667	0.00	0.86	5.000	O	|	|	|	|	3.49	257.833	0.00	0.83	4.639	O	|	|	|	|	3.27
252.750	0.00	0.86	4.995	O	|	|	|	|	3.48	257.917	0.00	0.83	4.634	O	|	|	|	|	3.27
252.833	0.00	0.86	4.989	O	|	|	|	|	3.48	258.000	0.00	0.83	4.628	O	|	|	|	|	3.26
252.917	0.00	0.86	4.983	O	|	|	|	|	3.48	258.083	0.00	0.83	4.622	O	|	|	|	|	3.26
253.000	0.00	0.86	4.977	O	|	|	|	|	3.47	258.167	0.00	0.83	4.617	O	|	|	|	|	3.26
253.083	0.00	0.86	4.971	O	|	|	|	|	3.47	258.250	0.00	0.83	4.611	O	|	|	|	|	3.25
253.167	0.00	0.86	4.965	O	|	|	|	|	3.47	258.333	0.00	0.83	4.605	O	|	|	|	|	3.25
253.250	0.00	0.86	4.959	O	|	|	|	|	3.46	258.417	0.00	0.83	4.599	O	|	|	|	|	3.25
253.333	0.00	0.85	4.953	O	|	|	|	|	3.46	258.500	0.00	0.83	4.594	O	|	|	|	|	3.24
253.417	0.00	0.85	4.947	O	|	|	|	|	3.45	258.583	0.00	0.83	4.588	O	|	|	|	|	3.24
253.500	0.00	0.85	4.941	O	|	|	|	|	3.45	258.667	0.00	0.83	4.582	O	|	|	|	|	3.24
253.583	0.00	0.85	4.936	O	|	|	|	|	3.45	258.750	0.00	0.83	4.577	O	|	|	|	|	3.23
253.667	0.00	0.85	4.930	O	|	|	|	|	3.44	258.833	0.00	0.83	4.571	O	|	|	|	|	3.23
253.750	0.00	0.85	4.924	O	|	|	|	|	3.44	258.917	0.00	0.83	4.565	O	|	|	|	|	3.23
253.833	0.00	0.85	4.918	O	|	|	|	|	3.44	259.000	0.00	0.83	4.560	O	|	|	|	|	3.22
253.917	0.00	0.85	4.912	O	|	|	|	|	3.43	259.083	0.00	0.83	4.554	O	|	|	|	|	3.22
254.000	0.00	0.85	4.906	O	|	|	|	|	3.43	259.167	0.00	0.83	4.548	O	|	|	|	|	3.21
254.083	0.00	0.85	4.900	O	|	|	|	|	3.43	259.250	0.00	0.83	4.542	O	|	|	|	|	3.21
254.167	0.00	0.85	4.895	O	|	|	|	|	3.42	259.333	0.00	0.82	4.537	O	|	|	|	|	3.21
254.250	0.00	0.85	4.889	O	|	|	|	|	3.42	259.417	0.00	0.82	4.531	O	|	|	|	|	3.20
254.333	0.00	0.85	4.883	O	|	|	|	|	3.42	259.500	0.00	0.82	4.525	O	|	|	|	|	3.20
254.417	0.00	0.85	4.877	O	|	|	|	|	3.41	259.583	0.00	0.82	4.520	O	|	|	|	|	3.20
254.500	0.00	0.85	4.871	O	|	|	|	|	3.41	259.667	0.00	0.82	4.514	O	|	|	|	|	3.19
254.583	0.00	0.85	4.865	O	|	|	|	|	3.41	259.750	0.00	0.82	4.508	O	|	|	|	|	3.19
254.667	0.00	0.85	4.859	O	|	|	|	|	3.40	259.833	0.00	0.82	4.503	O	|	|	|	|	3.19
254.750	0.00	0.85	4.854	O	|	|	|	|	3.40	259.917	0.00	0.82	4.497	O	|	|	|	|	3.18
254.833	0.00	0.85	4.848	O	|	|	|	|	3.39	260.000	0.00	0.82	4.491	O	|	|	|	|	3.18
254.917	0.00	0.85	4.842	O	|	|	|	|	3.39	260.083	0.00	0.82	4.486	O	|	|	|	|	3.18
255.000	0.00	0.85	4.836	O	|	|	|	|	3.39	260.167	0.00	0.82	4.480	O	|	|	|	|	3.17
255.083	0.00	0.85	4.830	O	|	|	|	|	3.38	260.250	0.00	0.82	4.474	O	|	|	|	|	3.17
255.167	0.00	0.85	4.824	O	|	|	|	|	3.38	260.333	0.00	0.82	4.469	O	|	|	|	|	3.17
255.250	0.00	0.85	4.819	O	|	|	|	|	3.38	260.417	0.00	0.82	4.463	O	|	|	|	|	3.16
255.333	0.00	0.84	4.813	O	|	|	|	|	3.37	260.500	0.00	0.82	4.458	O	|	|	|	|	3.16
255.417	0.00	0.84	4.807	O	|	|	|	|	3.37	260.583	0.00	0.82	4.452	O	|	|	|	|	3.16
255.500	0.00	0.84	4.801	O	|	|	|	|	3.37	260.667	0.00	0.82	4.446	O	|	|	|	|	3.15
255.583	0.00	0.84	4.795	O	|	|	|	|	3.36	260.750	0.00	0.82	4.441	O	|	|	|	|	3.15
255.667	0.00	0.84	4.790	O	|	|	|	|	3.36	260.833	0.00	0.82	4.435	O	|	|	|	|	3.15
255.750	0.00	0.84	4.784	O	|	|	|	|	3.36	260.917	0.00	0.82	4.429	O	|	|	|	|	3.14
255.833	0.00	0.84	4.778	O	|	|	|	|	3.35	261.000	0.00	0.82	4.424	O	|	|	|	|	3.14
255.917	0.00	0.84	4.772	O	|	|	|	|	3.35	261.083	0.00	0.82	4.418	O	|	|	|	|	3.14
256.000	0.00	0.84	4.766	O	|	|	|	|	3.35	261.167	0.00	0.82	4.412	O	|	|	|	|	3.13
256.083	0.00	0.84	4.761	O	|	|	|	|	3.34	261.250	0.00	0.82	4.407	O	|	|	|	|	3.13
256.167	0.00	0.84	4.755	O	|	|	|	|	3.34	261.333	0.00	0.82	4.401	O	|	|	|	|	3.13
256.250	0.00	0.84	4.749	O	|	|	|	|	3.34	261.417	0.00	0.81	4.396	O	|	|	|	|	3.12
256.333	0.00	0.84	4.743	O	|	|	|	|	3.33	261.500	0.00	0.81	4.390	O	|	|	|	|	3.12
256.417	0.00	0.84	4.737	O	|	|	|	|	3.33	261.583	0.00	0.81	4.384	O	|	|	|	|	3.12
256.500	0.00	0.84	4.732	O	|	|	|	|	3.33	261.667	0.00	0.81	4.379	O	|	|	|	|	3.11
256.583	0.00	0.84	4.726	O	|	|	|	|	3.32	261.750	0.00	0.81	4.373	O	|	|	|	|	3.11
256.667	0.00	0.84	4.720	O	|	|	|	|	3.32	261.833	0.00	0.81	4.368	O	|	|	|	|	3.11
256.750	0.00	0.84	4.714	O	|	|	|	|	3.31	261.917	0.00	0.81	4.362	O	|	|	|	|	3.10

262.000	0.00	0.81	4.356	O	|	|	|	|	3.10	267.167	0.00	0.78	4.015	O	|	|	|	|	2.88
262.083	0.00	0.81	4.351	O	|	|	|	|	3.10	267.250	0.00	0.78	4.010	O	|	|	|	|	2.88
262.167	0.00	0.81	4.345	O	|	|	|	|	3.09	267.333	0.00	0.78	4.005	O	|	|	|	|	2.88
262.250	0.00	0.81	4.340	O	|	|	|	|	3.09	267.417	0.00	0.78	3.999	O	|	|	|	|	2.87
262.333	0.00	0.81	4.334	O	|	|	|	|	3.09	267.500	0.00	0.78	3.994	O	|	|	|	|	2.87
262.417	0.00	0.81	4.328	O	|	|	|	|	3.08	267.583	0.00	0.78	3.989	O	|	|	|	|	2.87
262.500	0.00	0.81	4.323	O	|	|	|	|	3.08	267.667	0.00	0.78	3.983	O	|	|	|	|	2.86
262.583	0.00	0.81	4.317	O	|	|	|	|	3.08	267.750	0.00	0.78	3.978	O	|	|	|	|	2.86
262.667	0.00	0.81	4.312	O	|	|	|	|	3.07	267.833	0.00	0.78	3.972	O	|	|	|	|	2.86
262.750	0.00	0.81	4.306	O	|	|	|	|	3.07	267.917	0.00	0.78	3.967	O	|	|	|	|	2.85
262.833	0.00	0.81	4.301	O	|	|	|	|	3.07	268.000	0.00	0.78	3.962	O	|	|	|	|	2.85
262.917	0.00	0.81	4.295	O	|	|	|	|	3.06	268.083	0.00	0.78	3.956	O	|	|	|	|	2.84
263.000	0.00	0.81	4.289	O	|	|	|	|	3.06	268.167	0.00	0.78	3.951	O	|	|	|	|	2.84
263.083	0.00	0.81	4.284	O	|	|	|	|	3.06	268.250	0.00	0.78	3.946	O	|	|	|	|	2.84
263.167	0.00	0.81	4.278	O	|	|	|	|	3.05	268.333	0.00	0.78	3.940	O	|	|	|	|	2.83
263.250	0.00	0.81	4.273	O	|	|	|	|	3.05	268.417	0.00	0.77	3.935	O	|	|	|	|	2.83
263.333	0.00	0.81	4.267	O	|	|	|	|	3.05	268.500	0.00	0.77	3.930	O	|	|	|	|	2.83
263.417	0.00	0.81	4.262	O	|	|	|	|	3.04	268.583	0.00	0.77	3.924	O	|	|	|	|	2.82
263.500	0.00	0.80	4.256	O	|	|	|	|	3.04	268.667	0.00	0.77	3.919	O	|	|	|	|	2.82
263.583	0.00	0.80	4.251	O	|	|	|	|	3.04	268.750	0.00	0.77	3.914	O	|	|	|	|	2.82
263.667	0.00	0.80	4.245	O	|	|	|	|	3.03	268.833	0.00	0.77	3.908	O	|	|	|	|	2.81
263.750	0.00	0.80	4.240	O	|	|	|	|	3.03	268.917	0.00	0.77	3.903	O	|	|	|	|	2.81
263.833	0.00	0.80	4.234	O	|	|	|	|	3.03	269.000	0.00	0.77	3.898	O	|	|	|	|	2.81
263.917	0.00	0.80	4.229	O	|	|	|	|	3.02	269.083	0.00	0.77	3.892	O	|	|	|	|	2.80
264.000	0.00	0.80	4.223	O	|	|	|	|	3.02	269.167	0.00	0.77	3.887	O	|	|	|	|	2.80
264.083	0.00	0.80	4.217	O	|	|	|	|	3.02	269.250	0.00	0.77	3.882	O	|	|	|	|	2.80
264.167	0.00	0.80	4.212	O	|	|	|	|	3.01	269.333	0.00	0.77	3.877	O	|	|	|	|	2.79
264.250	0.00	0.80	4.206	O	|	|	|	|	3.01	269.417	0.00	0.77	3.871	O	|	|	|	|	2.79
264.333	0.00	0.80	4.201	O	|	|	|	|	3.01	269.500	0.00	0.77	3.866	O	|	|	|	|	2.78
264.417	0.00	0.80	4.195	O	|	|	|	|	3.00	269.583	0.00	0.77	3.861	O	|	|	|	|	2.78
264.500	0.00	0.80	4.190	O	|	|	|	|	3.00	269.667	0.00	0.77	3.855	O	|	|	|	|	2.78
264.583	0.00	0.80	4.184	O	|	|	|	|	3.00	269.750	0.00	0.77	3.850	O	|	|	|	|	2.77
264.667	0.00	0.80	4.179	O	|	|	|	|	2.99	269.833	0.00	0.77	3.845	O	|	|	|	|	2.77
264.750	0.00	0.80	4.173	O	|	|	|	|	2.99	269.917	0.00	0.77	3.840	O	|	|	|	|	2.77
264.833	0.00	0.80	4.168	O	|	|	|	|	2.99	270.000	0.00	0.76	3.834	O	|	|	|	|	2.76
264.917	0.00	0.80	4.162	O	|	|	|	|	2.98	270.083	0.00	0.76	3.829	O	|	|	|	|	2.76
265.000	0.00	0.80	4.157	O	|	|	|	|	2.98	270.167	0.00	0.76	3.824	O	|	|	|	|	2.76
265.083	0.00	0.80	4.151	O	|	|	|	|	2.97	270.250	0.00	0.76	3.819	O	|	|	|	|	2.75
265.167	0.00	0.80	4.146	O	|	|	|	|	2.97	270.333	0.00	0.76	3.813	O	|	|	|	|	2.75
265.250	0.00	0.80	4.140	O	|	|	|	|	2.97	270.417	0.00	0.76	3.808	O	|	|	|	|	2.75
265.333	0.00	0.79	4.135	O	|	|	|	|	2.96	270.500	0.00	0.76	3.803	O	|	|	|	|	2.74
265.417	0.00	0.79	4.129	O	|	|	|	|	2.96	270.583	0.00	0.76	3.798	O	|	|	|	|	2.74
265.500	0.00	0.79	4.124	O	|	|	|	|	2.96	270.667	0.00	0.76	3.792	O	|	|	|	|	2.74
265.583	0.00	0.79	4.119	O	|	|	|	|	2.95	270.750	0.00	0.76	3.787	O	|	|	|	|	2.73
265.667	0.00	0.79	4.113	O	|	|	|	|	2.95	270.833	0.00	0.76	3.782	O	|	|	|	|	2.73
265.750	0.00	0.79	4.108	O	|	|	|	|	2.95	270.917	0.00	0.76	3.777	O	|	|	|	|	2.73
265.833	0.00	0.79	4.102	O	|	|	|	|	2.94	271.000	0.00	0.76	3.771	O	|	|	|	|	2.72
265.917	0.00	0.79	4.097	O	|	|	|	|	2.94	271.083	0.00	0.76	3.766	O	|	|	|	|	2.72
266.000	0.00	0.79	4.091	O	|	|	|	|	2.93	271.167	0.00	0.76	3.761	O	|	|	|	|	2.71
266.083	0.00	0.79	4.086	O	|	|	|	|	2.93	271.250	0.00	0.76	3.756	O	|	|	|	|	2.71
266.167	0.00	0.79	4.080	O	|	|	|	|	2.93	271.333	0.00	0.76	3.751	O	|	|	|	|	2.71
266.250	0.00	0.79	4.075	O	|	|	|	|	2.92	271.417	0.00	0.76	3.745	O	|	|	|	|	2.70
266.333	0.00	0.79	4.070	O	|	|	|	|	2.92	271.500	0.00	0.76	3.740	O	|	|	|	|	2.70
266.417	0.00	0.79	4.064	O	|	|	|	|	2.92	271.583	0.00	0.75	3.735	O	|	|	|	|	2.70
266.500	0.00	0.79	4.059	O	|	|	|	|	2.91	271.667	0.00	0.75	3.730	O	|	|	|	|	2.69
266.583	0.00	0.79	4.053	O	|	|	|	|	2.91	271.750	0.00	0.75	3.725	O	|	|	|	|	2.69
266.667	0.00	0.79	4.048	O	|	|	|	|	2.91	271.833	0.00	0.75	3.719	O	|	|	|	|	2.69
266.750	0.00	0.79	4.042	O	|	|	|	|	2.90	271.917	0.00	0.75	3.714	O	|	|	|	|	2.68
266.833	0.00	0.78	4.037	O	|	|	|	|	2.90	272.000	0.00	0.75	3.709	O	|	|	|	|	2.68
266.917	0.00	0.78	4.032	O	|	|	|	|	2.89	272.083	0.00	0.75	3.704	O	|	|	|	|	2.68
267.000	0.00	0.78	4.026	O	|	|	|	|	2.89	272.167	0.00	0.75	3.699	O	|	|	|	|	2.67
267.083	0.00	0.78	4.021	O	|	|	|	|	2.89	272.250	0.00	0.75	3.694	O	|	|	|	|	2.67

272.333	0.00	0.75	3.688	O	|	|	|	|	2.67	277.500	0.00	0.72	3.375	O	|	|	|	|	2.46
272.417	0.00	0.75	3.683	O	|	|	|	|	2.66	277.583	0.00	0.72	3.370	O	|	|	|	|	2.45
272.500	0.00	0.75	3.678	O	|	|	|	|	2.66	277.667	0.00	0.72	3.365	O	|	|	|	|	2.45
272.583	0.00	0.75	3.673	O	|	|	|	|	2.66	277.750	0.00	0.72	3.360	O	|	|	|	|	2.45
272.667	0.00	0.75	3.668	O	|	|	|	|	2.65	277.833	0.00	0.72	3.355	O	|	|	|	|	2.44
272.750	0.00	0.75	3.663	O	|	|	|	|	2.65	277.917	0.00	0.72	3.350	O	|	|	|	|	2.44
272.833	0.00	0.75	3.657	O	|	|	|	|	2.65	278.000	0.00	0.72	3.345	O	|	|	|	|	2.44
272.917	0.00	0.75	3.652	O	|	|	|	|	2.64	278.083	0.00	0.72	3.340	O	|	|	|	|	2.44
273.000	0.00	0.75	3.647	O	|	|	|	|	2.64	278.167	0.00	0.71	3.335	O	|	|	|	|	2.43
273.083	0.00	0.75	3.642	O	|	|	|	|	2.64	278.250	0.00	0.71	3.330	O	|	|	|	|	2.43
273.167	0.00	0.74	3.637	O	|	|	|	|	2.63	278.333	0.00	0.71	3.325	O	|	|	|	|	2.43
273.250	0.00	0.74	3.632	O	|	|	|	|	2.63	278.417	0.00	0.71	3.321	O	|	|	|	|	2.42
273.333	0.00	0.74	3.627	O	|	|	|	|	2.63	278.500	0.00	0.71	3.316	O	|	|	|	|	2.42
273.417	0.00	0.74	3.621	O	|	|	|	|	2.62	278.583	0.00	0.71	3.311	O	|	|	|	|	2.42
273.500	0.00	0.74	3.616	O	|	|	|	|	2.62	278.667	0.00	0.71	3.306	O	|	|	|	|	2.41
273.583	0.00	0.74	3.611	O	|	|	|	|	2.62	278.750	0.00	0.71	3.301	O	|	|	|	|	2.41
273.667	0.00	0.74	3.606	O	|	|	|	|	2.61	278.833	0.00	0.71	3.296	O	|	|	|	|	2.41
273.750	0.00	0.74	3.601	O	|	|	|	|	2.61	278.917	0.00	0.71	3.291	O	|	|	|	|	2.40
273.833	0.00	0.74	3.596	O	|	|	|	|	2.61	279.000	0.00	0.71	3.286	O	|	|	|	|	2.40
273.917	0.00	0.74	3.591	O	|	|	|	|	2.60	279.083	0.00	0.71	3.281	O	|	|	|	|	2.40
274.000	0.00	0.74	3.586	O	|	|	|	|	2.60	279.167	0.00	0.71	3.277	O	|	|	|	|	2.39
274.083	0.00	0.74	3.581	O	|	|	|	|	2.59	279.250	0.00	0.71	3.272	O	|	|	|	|	2.39
274.167	0.00	0.74	3.576	O	|	|	|	|	2.59	279.333	0.00	0.71	3.267	O	|	|	|	|	2.39
274.250	0.00	0.74	3.570	O	|	|	|	|	2.59	279.417	0.00	0.71	3.262	O	|	|	|	|	2.38
274.333	0.00	0.74	3.565	O	|	|	|	|	2.58	279.500	0.00	0.71	3.257	O	|	|	|	|	2.38
274.417	0.00	0.74	3.560	O	|	|	|	|	2.58	279.583	0.00	0.71	3.252	O	|	|	|	|	2.38
274.500	0.00	0.74	3.555	O	|	|	|	|	2.58	279.667	0.00	0.71	3.247	O	|	|	|	|	2.37
274.583	0.00	0.74	3.550	O	|	|	|	|	2.57	279.750	0.00	0.71	3.242	O	|	|	|	|	2.37
274.667	0.00	0.74	3.545	O	|	|	|	|	2.57	279.833	0.00	0.71	3.238	O	|	|	|	|	2.37
274.750	0.00	0.74	3.540	O	|	|	|	|	2.57	279.917	0.00	0.70	3.233	O	|	|	|	|	2.36
274.833	0.00	0.73	3.535	O	|	|	|	|	2.56	280.000	0.00	0.70	3.228	O	|	|	|	|	2.36
274.917	0.00	0.73	3.530	O	|	|	|	|	2.56	280.083	0.00	0.70	3.223	O	|	|	|	|	2.36
275.000	0.00	0.73	3.525	O	|	|	|	|	2.56	280.167	0.00	0.70	3.218	O	|	|	|	|	2.35
275.083	0.00	0.73	3.520	O	|	|	|	|	2.55	280.250	0.00	0.70	3.213	O	|	|	|	|	2.35
275.167	0.00	0.73	3.515	O	|	|	|	|	2.55	280.333	0.00	0.70	3.208	O	|	|	|	|	2.35
275.250	0.00	0.73	3.510	O	|	|	|	|	2.55	280.417	0.00	0.70	3.204	O	|	|	|	|	2.34
275.333	0.00	0.73	3.505	O	|	|	|	|	2.54	280.500	0.00	0.70	3.199	O	|	|	|	|	2.34
275.417	0.00	0.73	3.500	O	|	|	|	|	2.54	280.583	0.00	0.70	3.194	O	|	|	|	|	2.34
275.500	0.00	0.73	3.495	O	|	|	|	|	2.54	280.667	0.00	0.70	3.189	O	|	|	|	|	2.33
275.583	0.00	0.73	3.490	O	|	|	|	|	2.53	280.750	0.00	0.70	3.184	O	|	|	|	|	2.33
275.667	0.00	0.73	3.485	O	|	|	|	|	2.53	280.833	0.00	0.70	3.180	O	|	|	|	|	2.33
275.750	0.00	0.73	3.480	O	|	|	|	|	2.53	280.917	0.00	0.70	3.175	O	|	|	|	|	2.32
275.833	0.00	0.73	3.475	O	|	|	|	|	2.52	281.000	0.00	0.70	3.170	O	|	|	|	|	2.32
275.917	0.00	0.73	3.469	O	|	|	|	|	2.52	281.083	0.00	0.70	3.165	O	|	|	|	|	2.32
276.000	0.00	0.73	3.464	O	|	|	|	|	2.52	281.167	0.00	0.70	3.160	O	|	|	|	|	2.32
276.083	0.00	0.73	3.459	O	|	|	|	|	2.51	281.250	0.00	0.70	3.155	O	|	|	|	|	2.31
276.167	0.00	0.73	3.454	O	|	|	|	|	2.51	281.333	0.00	0.70	3.151	O	|	|	|	|	2.31
276.250	0.00	0.73	3.449	O	|	|	|	|	2.51	281.417	0.00	0.70	3.146	O	|	|	|	|	2.31
276.333	0.00	0.73	3.444	O	|	|	|	|	2.50	281.500	0.00	0.70	3.141	O	|	|	|	|	2.30
276.417	0.00	0.73	3.439	O	|	|	|	|	2.50	281.583	0.00	0.69	3.136	O	|	|	|	|	2.30
276.500	0.00	0.72	3.434	O	|	|	|	|	2.50	281.667	0.00	0.69	3.132	O	|	|	|	|	2.30
276.583	0.00	0.72	3.429	O	|	|	|	|	2.49	281.750	0.00	0.69	3.127	O	|	|	|	|	2.29
276.667	0.00	0.72	3.424	O	|	|	|	|	2.49	281.833	0.00	0.69	3.122	O	|	|	|	|	2.29
276.750	0.00	0.72	3.420	O	|	|	|	|	2.49	281.917	0.00	0.69	3.117	O	|	|	|	|	2.29
276.833	0.00	0.72	3.415	O	|	|	|	|	2.48	282.000	0.00	0.69	3.112	O	|	|	|	|	2.28
276.917	0.00	0.72	3.410	O	|	|	|	|	2.48	282.083	0.00	0.69	3.108	O	|	|	|	|	2.28
277.000	0.00	0.72	3.405	O	|	|	|	|	2.48	282.167	0.00	0.69	3.103	O	|	|	|	|	2.28
277.083	0.00	0.72	3.400	O	|	|	|	|	2.47	282.250	0.00	0.69	3.098	O	|	|	|	|	2.27
277.167	0.00	0.72	3.395	O	|	|	|	|	2.47	282.333	0.00	0.69	3.093	O	|	|	|	|	2.27
277.250	0.00	0.72	3.390	O	|	|	|	|	2.47	282.417	0.00	0.69	3.089	O	|	|	|	|	2.27
277.333	0.00	0.72	3.385	O	|	|	|	|	2.46	282.500	0.00	0.69	3.084	O	|	|	|	|	2.26
277.417	0.00	0.72	3.380	O	|	|	|	|	2.46	282.583	0.00	0.69	3.079	O	|	|	|	|	2.26

282.667	0.00	0.69	3.074	O					2.26	287.833	0.00	0.66	2.786	O					2.07
282.750	0.00	0.69	3.070	O					2.26	287.917	0.00	0.66	2.782	O					2.06
282.833	0.00	0.69	3.065	O					2.25	288.000	0.00	0.66	2.777	O					2.06
282.917	0.00	0.69	3.060	O					2.25	288.083	0.00	0.66	2.773	O					2.06
283.000	0.00	0.69	3.055	O					2.25	288.167	0.00	0.66	2.768	O					2.05
283.083	0.00	0.69	3.051	O					2.24	288.250	0.00	0.66	2.764	O					2.05
283.167	0.00	0.69	3.046	O					2.24	288.333	0.00	0.66	2.759	O					2.05
283.250	0.00	0.69	3.041	O					2.24	288.417	0.00	0.66	2.755	O					2.05
283.333	0.00	0.68	3.037	O					2.23	288.500	0.00	0.66	2.750	O					2.04
283.417	0.00	0.68	3.032	O					2.23	288.583	0.00	0.66	2.746	O					2.04
283.500	0.00	0.68	3.027	O					2.23	288.667	0.00	0.66	2.741	O					2.04
283.583	0.00	0.68	3.022	O					2.22	288.750	0.00	0.66	2.737	O					2.03
283.667	0.00	0.68	3.018	O					2.22	288.833	0.00	0.65	2.732	O					2.03
283.750	0.00	0.68	3.013	O					2.22	288.917	0.00	0.65	2.728	O					2.03
283.833	0.00	0.68	3.008	O					2.21	289.000	0.00	0.65	2.723	O					2.02
283.917	0.00	0.68	3.004	O					2.21	289.083	0.00	0.65	2.719	O					2.02
284.000	0.00	0.68	2.999	O					2.21	289.167	0.00	0.65	2.714	O					2.02
284.083	0.00	0.68	2.994	O					2.20	289.250	0.00	0.65	2.710	O					2.02
284.167	0.00	0.68	2.990	O					2.20	289.333	0.00	0.65	2.705	O					2.01
284.250	0.00	0.68	2.985	O					2.20	289.417	0.00	0.65	2.701	O					2.01
284.333	0.00	0.68	2.980	O					2.20	289.500	0.00	0.65	2.696	O					2.01
284.417	0.00	0.68	2.975	O					2.19	289.583	0.00	0.65	2.692	O					2.00
284.500	0.00	0.68	2.971	O					2.19	289.667	0.00	0.65	2.687	O					2.00
284.583	0.00	0.68	2.966	O					2.19	289.750	0.00	0.65	2.683	O					2.00
284.667	0.00	0.68	2.961	O					2.18	289.833	0.00	0.65	2.678	O					1.99
284.750	0.00	0.68	2.957	O					2.18	289.917	0.00	0.65	2.674	O					1.99
284.833	0.00	0.68	2.952	O					2.18	290.000	0.00	0.65	2.669	O					1.99
284.917	0.00	0.68	2.947	O					2.17	290.083	0.00	0.65	2.665	O					1.98
285.000	0.00	0.68	2.943	O					2.17	290.167	0.00	0.65	2.660	O					1.98
285.083	0.00	0.68	2.938	O					2.17	290.250	0.00	0.65	2.656	O					1.98
285.167	0.00	0.67	2.934	O					2.16	290.333	0.00	0.64	2.652	O					1.98
285.250	0.00	0.67	2.929	O					2.16	290.417	0.00	0.64	2.647	O					1.97
285.333	0.00	0.67	2.924	O					2.16	290.500	0.00	0.64	2.643	O					1.97
285.417	0.00	0.67	2.920	O					2.16	290.583	0.00	0.64	2.638	O					1.97
285.500	0.00	0.67	2.915	O					2.15	290.667	0.00	0.64	2.634	O					1.96
285.583	0.00	0.67	2.910	O					2.15	290.750	0.00	0.64	2.629	O					1.96
285.667	0.00	0.67	2.906	O					2.15	290.833	0.00	0.64	2.625	O					1.96
285.750	0.00	0.67	2.901	O					2.14	290.917	0.00	0.64	2.621	O					1.95
285.833	0.00	0.67	2.896	O					2.14	291.000	0.00	0.64	2.616	O					1.95
285.917	0.00	0.67	2.892	O					2.14	291.083	0.00	0.64	2.612	O					1.95
286.000	0.00	0.67	2.887	O					2.13	291.167	0.00	0.64	2.607	O					1.94
286.083	0.00	0.67	2.883	O					2.13	291.250	0.00	0.64	2.603	O					1.94
286.167	0.00	0.67	2.878	O					2.13	291.333	0.00	0.64	2.599	O					1.94
286.250	0.00	0.67	2.873	O					2.12	291.417	0.00	0.64	2.594	O					1.93
286.333	0.00	0.67	2.869	O					2.12	291.500	0.00	0.64	2.590	O					1.93
286.417	0.00	0.67	2.864	O					2.12	291.583	0.00	0.63	2.585	O					1.93
286.500	0.00	0.67	2.860	O					2.12	291.667	0.00	0.63	2.581	O					1.92
286.583	0.00	0.67	2.855	O					2.11	291.750	0.00	0.63	2.577	O					1.92
286.667	0.00	0.67	2.850	O					2.11	291.833	0.00	0.63	2.572	O					1.92
286.750	0.00	0.67	2.846	O					2.11	291.917	0.00	0.63	2.568	O					1.92
286.833	0.00	0.67	2.841	O					2.10	292.000	0.00	0.63	2.564	O					1.91
286.917	0.00	0.67	2.837	O					2.10	292.083	0.00	0.63	2.559	O					1.91
287.000	0.00	0.66	2.832	O					2.10	292.167	0.00	0.63	2.555	O					1.91
287.083	0.00	0.66	2.828	O					2.09	292.250	0.00	0.63	2.551	O					1.90
287.167	0.00	0.66	2.823	O					2.09	292.333	0.00	0.63	2.546	O					1.90
287.250	0.00	0.66	2.818	O					2.09	292.417	0.00	0.63	2.542	O					1.90
287.333	0.00	0.66	2.814	O					2.08	292.500	0.00	0.63	2.538	O					1.89
287.417	0.00	0.66	2.809	O					2.08	292.583	0.00	0.63	2.533	O					1.89
287.500	0.00	0.66	2.805	O					2.08	292.667	0.00	0.63	2.529	O					1.89
287.583	0.00	0.66	2.800	O					2.08	292.750	0.00	0.63	2.525	O					1.88
287.667	0.00	0.66	2.796	O					2.07	292.833	0.00	0.63	2.520	O					1.88
287.750	0.00	0.66	2.791	O					2.07	292.917	0.00	0.62	2.516	O					1.88

293.000	0.00	0.62	2.512	O	|	|	|	|	1.88	298.167	0.00	0.59	2.254	O	|	|	|	|	1.69
293.083	0.00	0.62	2.507	O	|	|	|	|	1.87	298.250	0.00	0.58	2.250	O	|	|	|	|	1.69
293.167	0.00	0.62	2.503	O	|	|	|	|	1.87	298.333	0.00	0.58	2.246	O	|	|	|	|	1.68
293.250	0.00	0.62	2.499	O	|	|	|	|	1.87	298.417	0.00	0.58	2.242	O	|	|	|	|	1.68
293.333	0.00	0.62	2.495	O	|	|	|	|	1.86	298.500	0.00	0.58	2.238	O	|	|	|	|	1.68
293.417	0.00	0.62	2.490	O	|	|	|	|	1.86	298.583	0.00	0.58	2.234	O	|	|	|	|	1.68
293.500	0.00	0.62	2.486	O	|	|	|	|	1.86	298.667	0.00	0.58	2.230	O	|	|	|	|	1.67
293.583	0.00	0.62	2.482	O	|	|	|	|	1.85	298.750	0.00	0.58	2.226	O	|	|	|	|	1.67
293.667	0.00	0.62	2.478	O	|	|	|	|	1.85	298.833	0.00	0.58	2.222	O	|	|	|	|	1.67
293.750	0.00	0.62	2.473	O	|	|	|	|	1.85	298.917	0.00	0.58	2.218	O	|	|	|	|	1.66
293.833	0.00	0.62	2.469	O	|	|	|	|	1.84	299.000	0.00	0.58	2.214	O	|	|	|	|	1.66
293.917	0.00	0.62	2.465	O	|	|	|	|	1.84	299.083	0.00	0.58	2.210	O	|	|	|	|	1.66
294.000	0.00	0.62	2.461	O	|	|	|	|	1.84	299.167	0.00	0.58	2.206	O	|	|	|	|	1.66
294.083	0.00	0.62	2.456	O	|	|	|	|	1.84	299.250	0.00	0.58	2.202	O	|	|	|	|	1.65
294.167	0.00	0.61	2.452	O	|	|	|	|	1.83	299.333	0.00	0.58	2.198	O	|	|	|	|	1.65
294.250	0.00	0.61	2.448	O	|	|	|	|	1.83	299.417	0.00	0.58	2.194	O	|	|	|	|	1.65
294.333	0.00	0.61	2.444	O	|	|	|	|	1.83	299.500	0.00	0.58	2.190	O	|	|	|	|	1.64
294.417	0.00	0.61	2.439	O	|	|	|	|	1.82	299.583	0.00	0.57	2.186	O	|	|	|	|	1.64
294.500	0.00	0.61	2.435	O	|	|	|	|	1.82	299.667	0.00	0.57	2.182	O	|	|	|	|	1.64
294.583	0.00	0.61	2.431	O	|	|	|	|	1.82	299.750	0.00	0.57	2.178	O	|	|	|	|	1.64
294.667	0.00	0.61	2.427	O	|	|	|	|	1.81	299.833	0.00	0.57	2.174	O	|	|	|	|	1.63
294.750	0.00	0.61	2.423	O	|	|	|	|	1.81	299.917	0.00	0.57	2.170	O	|	|	|	|	1.63
294.833	0.00	0.61	2.418	O	|	|	|	|	1.81	300.000	0.00	0.57	2.166	O	|	|	|	|	1.63
294.917	0.00	0.61	2.414	O	|	|	|	|	1.81	300.083	0.00	0.57	2.162	O	|	|	|	|	1.63
295.000	0.00	0.61	2.410	O	|	|	|	|	1.80	300.167	0.00	0.57	2.158	O	|	|	|	|	1.62
295.083	0.00	0.61	2.406	O	|	|	|	|	1.80	300.250	0.00	0.57	2.154	O	|	|	|	|	1.62
295.167	0.00	0.61	2.402	O	|	|	|	|	1.80	300.333	0.00	0.57	2.150	O	|	|	|	|	1.62
295.250	0.00	0.61	2.397	O	|	|	|	|	1.79	300.417	0.00	0.57	2.146	O	|	|	|	|	1.61
295.333	0.00	0.61	2.393	O	|	|	|	|	1.79	300.500	0.00	0.57	2.143	O	|	|	|	|	1.61
295.417	0.00	0.61	2.389	O	|	|	|	|	1.79	300.583	0.00	0.57	2.139	O	|	|	|	|	1.61
295.500	0.00	0.60	2.385	O	|	|	|	|	1.78	300.667	0.00	0.57	2.135	O	|	|	|	|	1.61
295.583	0.00	0.60	2.381	O	|	|	|	|	1.78	300.750	0.00	0.57	2.131	O	|	|	|	|	1.60
295.667	0.00	0.60	2.377	O	|	|	|	|	1.78	300.833	0.00	0.57	2.127	O	|	|	|	|	1.60
295.750	0.00	0.60	2.372	O	|	|	|	|	1.78	300.917	0.00	0.57	2.123	O	|	|	|	|	1.60
295.833	0.00	0.60	2.368	O	|	|	|	|	1.77	301.000	0.00	0.56	2.119	O	|	|	|	|	1.59
295.917	0.00	0.60	2.364	O	|	|	|	|	1.77	301.083	0.00	0.56	2.115	O	|	|	|	|	1.59
296.000	0.00	0.60	2.360	O	|	|	|	|	1.77	301.167	0.00	0.56	2.111	O	|	|	|	|	1.59
296.083	0.00	0.60	2.356	O	|	|	|	|	1.76	301.250	0.00	0.56	2.108	O	|	|	|	|	1.59
296.167	0.00	0.60	2.352	O	|	|	|	|	1.76	301.333	0.00	0.56	2.104	O	|	|	|	|	1.58
296.250	0.00	0.60	2.348	O	|	|	|	|	1.76	301.417	0.00	0.56	2.100	O	|	|	|	|	1.58
296.333	0.00	0.60	2.343	O	|	|	|	|	1.75	301.500	0.00	0.56	2.096	O	|	|	|	|	1.58
296.417	0.00	0.60	2.339	O	|	|	|	|	1.75	301.583	0.00	0.56	2.092	O	|	|	|	|	1.57
296.500	0.00	0.60	2.335	O	|	|	|	|	1.75	301.667	0.00	0.56	2.088	O	|	|	|	|	1.57
296.583	0.00	0.60	2.331	O	|	|	|	|	1.75	301.750	0.00	0.56	2.084	O	|	|	|	|	1.57
296.667	0.00	0.60	2.327	O	|	|	|	|	1.74	301.833	0.00	0.56	2.080	O	|	|	|	|	1.57
296.750	0.00	0.60	2.323	O	|	|	|	|	1.74	301.917	0.00	0.56	2.077	O	|	|	|	|	1.56
296.833	0.00	0.59	2.319	O	|	|	|	|	1.74	302.000	0.00	0.56	2.073	O	|	|	|	|	1.56
296.917	0.00	0.59	2.315	O	|	|	|	|	1.73	302.083	0.00	0.56	2.069	O	|	|	|	|	1.56
297.000	0.00	0.59	2.311	O	|	|	|	|	1.73	302.167	0.00	0.56	2.065	O	|	|	|	|	1.56
297.083	0.00	0.59	2.307	O	|	|	|	|	1.73	302.250	0.00	0.56	2.061	O	|	|	|	|	1.55
297.167	0.00	0.59	2.302	O	|	|	|	|	1.73	302.333	0.00	0.56	2.057	O	|	|	|	|	1.55
297.250	0.00	0.59	2.298	O	|	|	|	|	1.72	302.417	0.00	0.55	2.054	O	|	|	|	|	1.55
297.333	0.00	0.59	2.294	O	|	|	|	|	1.72	302.500	0.00	0.55	2.050	O	|	|	|	|	1.54
297.417	0.00	0.59	2.290	O	|	|	|	|	1.72	302.583	0.00	0.55	2.046	O	|	|	|	|	1.54
297.500	0.00	0.59	2.286	O	|	|	|	|	1.71	302.667	0.00	0.55	2.042	O	|	|	|	|	1.54
297.583	0.00	0.59	2.282	O	|	|	|	|	1.71	302.750	0.00	0.55	2.038	O	|	|	|	|	1.54
297.667	0.00	0.59	2.278	O	|	|	|	|	1.71	302.833	0.00	0.55	2.035	O	|	|	|	|	1.53
297.750	0.00	0.59	2.274	O	|	|	|	|	1.71	302.917	0.00	0.55	2.031	O	|	|	|	|	1.53
297.833	0.00	0.59	2.270	O	|	|	|	|	1.70	303.000	0.00	0.55	2.027	O	|	|	|	|	1.53
297.917	0.00	0.59	2.266	O	|	|	|	|	1.70	303.083	0.00	0.55	2.023	O	|	|	|	|	1.53
298.000	0.00	0.59	2.262	O	|	|	|	|	1.70	303.167	0.00	0.55	2.019	O	|	|	|	|	1.52
298.083	0.00	0.59	2.258	O	|	|	|	|	1.69	303.250	0.00	0.55	2.016	O	|	|	|	|	1.52

303.333	0.00	0.55	2.012	O					1.52	308.500	0.00	0.51	1.785	O					1.35
303.417	0.00	0.55	2.008	O					1.51	308.583	0.00	0.51	1.781	O					1.35
303.500	0.00	0.55	2.004	O					1.51	308.667	0.00	0.51	1.778	O					1.35
303.583	0.00	0.55	2.000	O					1.51	308.750	0.00	0.51	1.774	O					1.35
303.667	0.00	0.55	1.997	O					1.51	308.833	0.00	0.51	1.771	O					1.34
303.750	0.00	0.55	1.993	O					1.50	308.917	0.00	0.51	1.767	O					1.34
303.833	0.00	0.55	1.989	O					1.50	309.000	0.00	0.51	1.764	O					1.34
303.917	0.00	0.54	1.985	O					1.50	309.083	0.00	0.51	1.760	O					1.34
304.000	0.00	0.54	1.982	O					1.50	309.167	0.00	0.51	1.757	O					1.33
304.083	0.00	0.54	1.978	O					1.49	309.250	0.00	0.51	1.753	O					1.33
304.167	0.00	0.54	1.974	O					1.49	309.333	0.00	0.51	1.750	O					1.33
304.250	0.00	0.54	1.970	O					1.49	309.417	0.00	0.51	1.746	O					1.33
304.333	0.00	0.54	1.967	O					1.49	309.500	0.00	0.51	1.743	O					1.32
304.417	0.00	0.54	1.963	O					1.48	309.583	0.00	0.51	1.739	O					1.32
304.500	0.00	0.54	1.959	O					1.48	309.667	0.00	0.51	1.736	O					1.32
304.583	0.00	0.54	1.956	O					1.48	309.750	0.00	0.51	1.732	O					1.32
304.667	0.00	0.54	1.952	O					1.47	309.833	0.00	0.51	1.729	O					1.31
304.750	0.00	0.54	1.948	O					1.47	309.917	0.00	0.51	1.725	O					1.31
304.833	0.00	0.54	1.944	O					1.47	310.000	0.00	0.51	1.722	O					1.31
304.917	0.00	0.54	1.941	O					1.47	310.083	0.00	0.50	1.718	O					1.31
305.000	0.00	0.54	1.937	O					1.46	310.167	0.00	0.50	1.715	O					1.30
305.083	0.00	0.54	1.933	O					1.46	310.250	0.00	0.50	1.711	O					1.30
305.167	0.00	0.54	1.930	O					1.46	310.333	0.00	0.50	1.708	O					1.30
305.250	0.00	0.54	1.926	O					1.46	310.417	0.00	0.50	1.704	O					1.30
305.333	0.00	0.54	1.922	O					1.45	310.500	0.00	0.50	1.701	O					1.29
305.417	0.00	0.53	1.919	O					1.45	310.583	0.00	0.50	1.697	O					1.29
305.500	0.00	0.53	1.915	O					1.45	310.667	0.00	0.50	1.694	O					1.29
305.583	0.00	0.53	1.911	O					1.45	310.750	0.00	0.50	1.691	O					1.29
305.667	0.00	0.53	1.908	O					1.44	310.833	0.00	0.50	1.687	O					1.28
305.750	0.00	0.53	1.904	O					1.44	310.917	0.00	0.50	1.684	O					1.28
305.833	0.00	0.53	1.900	O					1.44	311.000	0.00	0.50	1.680	O					1.28
305.917	0.00	0.53	1.897	O					1.43	311.083	0.00	0.50	1.677	O					1.28
306.000	0.00	0.53	1.893	O					1.43	311.167	0.00	0.50	1.673	O					1.28
306.083	0.00	0.53	1.889	O					1.43	311.250	0.00	0.50	1.670	O					1.27
306.167	0.00	0.53	1.886	O					1.43	311.333	0.00	0.50	1.667	O					1.27
306.250	0.00	0.53	1.882	O					1.42	311.417	0.00	0.50	1.663	O					1.27
306.333	0.00	0.53	1.878	O					1.42	311.500	0.00	0.50	1.660	O					1.27
306.417	0.00	0.53	1.875	O					1.42	311.583	0.00	0.50	1.656	O					1.26
306.500	0.00	0.53	1.871	O					1.42	311.667	0.00	0.49	1.653	O					1.26
306.583	0.00	0.53	1.867	O					1.41	311.750	0.00	0.49	1.649	O					1.26
306.667	0.00	0.53	1.864	O					1.41	311.833	0.00	0.49	1.646	O					1.26
306.750	0.00	0.53	1.860	O					1.41	311.917	0.00	0.49	1.643	O					1.25
306.833	0.00	0.53	1.857	O					1.41	312.000	0.00	0.49	1.639	O					1.25
306.917	0.00	0.52	1.853	O					1.40	312.083	0.00	0.49	1.636	O					1.25
307.000	0.00	0.52	1.849	O					1.40	312.167	0.00	0.49	1.632	O					1.25
307.083	0.00	0.52	1.846	O					1.40	312.250	0.00	0.49	1.629	O					1.24
307.167	0.00	0.52	1.842	O					1.40	312.333	0.00	0.49	1.626	O					1.24
307.250	0.00	0.52	1.838	O					1.39	312.417	0.00	0.49	1.622	O					1.24
307.333	0.00	0.52	1.835	O					1.39	312.500	0.00	0.49	1.619	O					1.24
307.417	0.00	0.52	1.831	O					1.39	312.583	0.00	0.49	1.616	O					1.23
307.500	0.00	0.52	1.828	O					1.39	312.667	0.00	0.49	1.612	O					1.23
307.583	0.00	0.52	1.824	O					1.38	312.750	0.00	0.49	1.609	O					1.23
307.667	0.00	0.52	1.821	O					1.38	312.833	0.00	0.49	1.605	O					1.23
307.750	0.00	0.52	1.817	O					1.38	312.917	0.00	0.49	1.602	O					1.22
307.833	0.00	0.52	1.813	O					1.38	313.000	0.00	0.49	1.599	O					1.22
307.917	0.00	0.52	1.810	O					1.37	313.083	0.00	0.49	1.595	O					1.22
308.000	0.00	0.52	1.806	O					1.37	313.167	0.00	0.49	1.592	O					1.22
308.083	0.00	0.52	1.803	O					1.37	313.250	0.00	0.49	1.589	O					1.21
308.167	0.00	0.52	1.799	O					1.37	313.333	0.00	0.48	1.585	O					1.21
308.250	0.00	0.52	1.796	O					1.36	313.417	0.00	0.48	1.582	O					1.21
308.333	0.00	0.52	1.792	O					1.36	313.500	0.00	0.48	1.579	O					1.21
308.417	0.00	0.52	1.788	O					1.36	313.583	0.00	0.48	1.575	O					1.21

313.667	0.00	0.48	1.572	O	|	|	|	|	1.20	318.833	0.00	0.45	1.373	O	|	|	|	|	1.06
313.750	0.00	0.48	1.569	O	|	|	|	|	1.20	318.917	0.00	0.45	1.369	O	|	|	|	|	1.06
313.833	0.00	0.48	1.565	O	|	|	|	|	1.20	319.000	0.00	0.45	1.366	O	|	|	|	|	1.06
313.917	0.00	0.48	1.562	O	|	|	|	|	1.20	319.083	0.00	0.45	1.363	O	|	|	|	|	1.05
314.000	0.00	0.48	1.559	O	|	|	|	|	1.19	319.167	0.00	0.45	1.360	O	|	|	|	|	1.05
314.083	0.00	0.48	1.556	O	|	|	|	|	1.19	319.250	0.00	0.45	1.357	O	|	|	|	|	1.05
314.167	0.00	0.48	1.552	O	|	|	|	|	1.19	319.333	0.00	0.45	1.354	O	|	|	|	|	1.05
314.250	0.00	0.48	1.549	O	|	|	|	|	1.19	319.417	0.00	0.45	1.351	O	|	|	|	|	1.04
314.333	0.00	0.48	1.546	O	|	|	|	|	1.18	319.500	0.00	0.45	1.348	O	|	|	|	|	1.04
314.417	0.00	0.48	1.542	O	|	|	|	|	1.18	319.583	0.00	0.45	1.345	O	|	|	|	|	1.04
314.500	0.00	0.48	1.539	O	|	|	|	|	1.18	319.667	0.00	0.45	1.342	O	|	|	|	|	1.04
314.583	0.00	0.48	1.536	O	|	|	|	|	1.18	319.750	0.00	0.45	1.338	O	|	|	|	|	1.04
314.667	0.00	0.48	1.532	O	|	|	|	|	1.17	319.833	0.00	0.45	1.335	O	|	|	|	|	1.03
314.750	0.00	0.48	1.529	O	|	|	|	|	1.17	319.917	0.00	0.45	1.332	O	|	|	|	|	1.03
314.833	0.00	0.48	1.526	O	|	|	|	|	1.17	320.000	0.00	0.45	1.329	O	|	|	|	|	1.03
314.917	0.00	0.48	1.523	O	|	|	|	|	1.17	320.083	0.00	0.45	1.326	O	|	|	|	|	1.03
315.000	0.00	0.47	1.519	O	|	|	|	|	1.16	320.167	0.00	0.45	1.323	O	|	|	|	|	1.02
315.083	0.00	0.47	1.516	O	|	|	|	|	1.16	320.250	0.00	0.44	1.320	O	|	|	|	|	1.02
315.167	0.00	0.47	1.513	O	|	|	|	|	1.16	320.333	0.00	0.44	1.317	O	|	|	|	|	1.02
315.250	0.00	0.47	1.510	O	|	|	|	|	1.16	320.417	0.00	0.44	1.314	O	|	|	|	|	1.02
315.333	0.00	0.47	1.506	O	|	|	|	|	1.16	320.500	0.00	0.44	1.311	O	|	|	|	|	1.02
315.417	0.00	0.47	1.503	O	|	|	|	|	1.15	320.583	0.00	0.44	1.308	O	|	|	|	|	1.01
315.500	0.00	0.47	1.500	O	|	|	|	|	1.15	320.667	0.00	0.44	1.305	O	|	|	|	|	1.01
315.583	0.00	0.47	1.497	O	|	|	|	|	1.15	320.750	0.00	0.44	1.302	O	|	|	|	|	1.01
315.667	0.00	0.47	1.493	O	|	|	|	|	1.15	320.833	0.00	0.44	1.299	O	|	|	|	|	1.01
315.750	0.00	0.47	1.490	O	|	|	|	|	1.14	320.917	0.00	0.44	1.296	O	|	|	|	|	1.00
315.833	0.00	0.47	1.487	O	|	|	|	|	1.14	321.000	0.00	0.44	1.293	O	|	|	|	|	1.00
315.917	0.00	0.47	1.484	O	|	|	|	|	1.14	321.083	0.00	0.44	1.290	O	|	|	|	|	1.00
316.000	0.00	0.47	1.480	O	|	|	|	|	1.14	321.167	0.00	0.44	1.287	O	|	|	|	|	1.00
316.083	0.00	0.47	1.477	O	|	|	|	|	1.13	321.250	0.00	0.44	1.283	O	|	|	|	|	1.00
316.167	0.00	0.47	1.474	O	|	|	|	|	1.13	321.333	0.00	0.44	1.280	O	|	|	|	|	0.99
316.250	0.00	0.47	1.471	O	|	|	|	|	1.13	321.417	0.00	0.44	1.277	O	|	|	|	|	0.99
316.333	0.00	0.47	1.467	O	|	|	|	|	1.13	321.500	0.00	0.44	1.274	O	|	|	|	|	0.99
316.417	0.00	0.47	1.464	O	|	|	|	|	1.13	321.583	0.00	0.43	1.271	O	|	|	|	|	0.99
316.500	0.00	0.47	1.461	O	|	|	|	|	1.12	321.667	0.00	0.43	1.268	O	|	|	|	|	0.98
316.583	0.00	0.47	1.458	O	|	|	|	|	1.12	321.750	0.00	0.43	1.266	O	|	|	|	|	0.98
316.667	0.00	0.46	1.455	O	|	|	|	|	1.12	321.833	0.00	0.43	1.263	O	|	|	|	|	0.98
316.750	0.00	0.46	1.451	O	|	|	|	|	1.12	321.917	0.00	0.43	1.260	O	|	|	|	|	0.98
316.833	0.00	0.46	1.448	O	|	|	|	|	1.11	322.000	0.00	0.43	1.257	O	|	|	|	|	0.97
316.917	0.00	0.46	1.445	O	|	|	|	|	1.11	322.083	0.00	0.43	1.254	O	|	|	|	|	0.97
317.000	0.00	0.46	1.442	O	|	|	|	|	1.11	322.167	0.00	0.43	1.251	O	|	|	|	|	0.97
317.083	0.00	0.46	1.439	O	|	|	|	|	1.11	322.250	0.00	0.43	1.248	O	|	|	|	|	0.97
317.167	0.00	0.46	1.436	O	|	|	|	|	1.10	322.333	0.00	0.42	1.245	O	|	|	|	|	0.97
317.250	0.00	0.46	1.432	O	|	|	|	|	1.10	322.417	0.00	0.42	1.242	O	|	|	|	|	0.96
317.333	0.00	0.46	1.429	O	|	|	|	|	1.10	322.500	0.00	0.42	1.239	O	|	|	|	|	0.96
317.417	0.00	0.46	1.426	O	|	|	|	|	1.10	322.583	0.00	0.42	1.236	O	|	|	|	|	0.96
317.500	0.00	0.46	1.423	O	|	|	|	|	1.10	322.667	0.00	0.42	1.233	O	|	|	|	|	0.96
317.583	0.00	0.46	1.420	O	|	|	|	|	1.09	322.750	0.00	0.42	1.230	O	|	|	|	|	0.95
317.667	0.00	0.46	1.416	O	|	|	|	|	1.09	322.833	0.00	0.42	1.227	O	|	|	|	|	0.95
317.750	0.00	0.46	1.413	O	|	|	|	|	1.09	322.917	0.00	0.42	1.225	O	|	|	|	|	0.95
317.833	0.00	0.46	1.410	O	|	|	|	|	1.09	323.000	0.00	0.42	1.222	O	|	|	|	|	0.95
317.917	0.00	0.46	1.407	O	|	|	|	|	1.08	323.083	0.00	0.42	1.219	O	|	|	|	|	0.95
318.000	0.00	0.46	1.404	O	|	|	|	|	1.08	323.167	0.00	0.42	1.216	O	|	|	|	|	0.94
318.083	0.00	0.46	1.401	O	|	|	|	|	1.08	323.250	0.00	0.41	1.213	O	|	|	|	|	0.94
318.167	0.00	0.46	1.398	O	|	|	|	|	1.08	323.333	0.00	0.41	1.210	O	|	|	|	|	0.94
318.250	0.00	0.46	1.394	O	|	|	|	|	1.08	323.417	0.00	0.41	1.207	O	|	|	|	|	0.94
318.333	0.00	0.46	1.391	O	|	|	|	|	1.07	323.500	0.00	0.41	1.205	O	|	|	|	|	0.93
318.417	0.00	0.45	1.388	O	|	|	|	|	1.07	323.583	0.00	0.41	1.202	O	|	|	|	|	0.93
318.500	0.00	0.45	1.385	O	|	|	|	|	1.07	323.667	0.00	0.41	1.199	O	|	|	|	|	0.93
318.583	0.00	0.45	1.382	O	|	|	|	|	1.07	323.750	0.00	0.41	1.196	O	|	|	|	|	0.93
318.667	0.00	0.45	1.379	O	|	|	|	|	1.06	323.833	0.00	0.41	1.193	O	|	|	|	|	0.93
318.750	0.00	0.45	1.376	O	|	|	|	|	1.06	323.917	0.00	0.41	1.190	O	|	|	|	|	0.92

324.000	0.00	0.41	1.188	O	|	|	|	|	0.92	329.167	0.00	0.35	1.027	O	|	|	|	|	0.80
324.083	0.00	0.40	1.185	O	|	|	|	|	0.92	329.250	0.00	0.35	1.024	O	|	|	|	|	0.79
324.167	0.00	0.40	1.182	O	|	|	|	|	0.92	329.333	0.00	0.35	1.022	O	|	|	|	|	0.79
324.250	0.00	0.40	1.179	O	|	|	|	|	0.91	329.417	0.00	0.35	1.019	O	|	|	|	|	0.79
324.333	0.00	0.40	1.177	O	|	|	|	|	0.91	329.500	0.00	0.35	1.017	O	|	|	|	|	0.79
324.417	0.00	0.40	1.174	O	|	|	|	|	0.91	329.583	0.00	0.35	1.015	O	|	|	|	|	0.79
324.500	0.00	0.40	1.171	O	|	|	|	|	0.91	329.667	0.00	0.35	1.012	O	|	|	|	|	0.79
324.583	0.00	0.40	1.168	O	|	|	|	|	0.91	329.750	0.00	0.34	1.010	O	|	|	|	|	0.78
324.667	0.00	0.40	1.166	O	|	|	|	|	0.90	329.833	0.00	0.34	1.007	O	|	|	|	|	0.78
324.750	0.00	0.40	1.163	O	|	|	|	|	0.90	329.917	0.00	0.34	1.005	O	|	|	|	|	0.78
324.833	0.00	0.40	1.160	O	|	|	|	|	0.90	330.000	0.00	0.34	1.003	O	|	|	|	|	0.78
324.917	0.00	0.40	1.157	O	|	|	|	|	0.90	330.083	0.00	0.34	1.000	O	|	|	|	|	0.78
325.000	0.00	0.39	1.155	O	|	|	|	|	0.90	330.167	0.00	0.34	0.998	O	|	|	|	|	0.77
325.083	0.00	0.39	1.152	O	|	|	|	|	0.89	330.250	0.00	0.34	0.996	O	|	|	|	|	0.77
325.167	0.00	0.39	1.149	O	|	|	|	|	0.89	330.333	0.00	0.34	0.993	O	|	|	|	|	0.77
325.250	0.00	0.39	1.147	O	|	|	|	|	0.89	330.417	0.00	0.34	0.991	O	|	|	|	|	0.77
325.333	0.00	0.39	1.144	O	|	|	|	|	0.89	330.500	0.00	0.34	0.989	O	|	|	|	|	0.77
325.417	0.00	0.39	1.141	O	|	|	|	|	0.89	330.583	0.00	0.34	0.986	O	|	|	|	|	0.77
325.500	0.00	0.39	1.138	O	|	|	|	|	0.88	330.667	0.00	0.34	0.984	O	|	|	|	|	0.76
325.583	0.00	0.39	1.136	O	|	|	|	|	0.88	330.750	0.00	0.34	0.982	O	|	|	|	|	0.76
325.667	0.00	0.39	1.133	O	|	|	|	|	0.88	330.833	0.00	0.33	0.979	O	|	|	|	|	0.76
325.750	0.00	0.39	1.130	O	|	|	|	|	0.88	330.917	0.00	0.33	0.977	O	|	|	|	|	0.76
325.833	0.00	0.38	1.128	O	|	|	|	|	0.87	331.000	0.00	0.33	0.975	O	|	|	|	|	0.76
325.917	0.00	0.38	1.125	O	|	|	|	|	0.87	331.083	0.00	0.33	0.973	O	|	|	|	|	0.75
326.000	0.00	0.38	1.123	O	|	|	|	|	0.87	331.167	0.00	0.33	0.970	O	|	|	|	|	0.75
326.083	0.00	0.38	1.120	O	|	|	|	|	0.87	331.250	0.00	0.33	0.968	O	|	|	|	|	0.75
326.167	0.00	0.38	1.117	O	|	|	|	|	0.87	331.333	0.00	0.33	0.966	O	|	|	|	|	0.75
326.250	0.00	0.38	1.115	O	|	|	|	|	0.86	331.417	0.00	0.33	0.963	O	|	|	|	|	0.75
326.333	0.00	0.38	1.112	O	|	|	|	|	0.86	331.500	0.00	0.33	0.961	O	|	|	|	|	0.75
326.417	0.00	0.38	1.109	O	|	|	|	|	0.86	331.583	0.00	0.33	0.959	O	|	|	|	|	0.74
326.500	0.00	0.38	1.107	O	|	|	|	|	0.86	331.667	0.00	0.33	0.957	O	|	|	|	|	0.74
326.583	0.00	0.38	1.104	O	|	|	|	|	0.86	331.750	0.00	0.33	0.954	O	|	|	|	|	0.74
326.667	0.00	0.38	1.102	O	|	|	|	|	0.85	331.833	0.00	0.33	0.952	O	|	|	|	|	0.74
326.750	0.00	0.38	1.099	O	|	|	|	|	0.85	331.917	0.00	0.32	0.950	O	|	|	|	|	0.74
326.833	0.00	0.37	1.096	O	|	|	|	|	0.85	332.000	0.00	0.32	0.948	O	|	|	|	|	0.74
326.917	0.00	0.37	1.094	O	|	|	|	|	0.85	332.083	0.00	0.32	0.946	O	|	|	|	|	0.73
327.000	0.00	0.37	1.091	O	|	|	|	|	0.85	332.167	0.00	0.32	0.943	O	|	|	|	|	0.73
327.083	0.00	0.37	1.089	O	|	|	|	|	0.84	332.250	0.00	0.32	0.941	O	|	|	|	|	0.73
327.167	0.00	0.37	1.086	O	|	|	|	|	0.84	332.333	0.00	0.32	0.939	O	|	|	|	|	0.73
327.250	0.00	0.37	1.084	O	|	|	|	|	0.84	332.417	0.00	0.32	0.937	O	|	|	|	|	0.73
327.333	0.00	0.37	1.081	O	|	|	|	|	0.84	332.500	0.00	0.32	0.934	O	|	|	|	|	0.72
327.417	0.00	0.37	1.079	O	|	|	|	|	0.84	332.583	0.00	0.32	0.932	O	|	|	|	|	0.72
327.500	0.00	0.37	1.076	O	|	|	|	|	0.83	332.667	0.00	0.32	0.930	O	|	|	|	|	0.72
327.583	0.00	0.37	1.073	O	|	|	|	|	0.83	332.750	0.00	0.32	0.928	O	|	|	|	|	0.72
327.667	0.00	0.37	1.071	O	|	|	|	|	0.83	332.833	0.00	0.32	0.926	O	|	|	|	|	0.72
327.750	0.00	0.36	1.068	O	|	|	|	|	0.83	332.917	0.00	0.32	0.924	O	|	|	|	|	0.72
327.833	0.00	0.36	1.066	O	|	|	|	|	0.83	333.000	0.00	0.31	0.921	O	|	|	|	|	0.71
327.917	0.00	0.36	1.063	O	|	|	|	|	0.83	333.083	0.00	0.31	0.919	O	|	|	|	|	0.71
328.000	0.00	0.36	1.061	O	|	|	|	|	0.82	333.167	0.00	0.31	0.917	O	|	|	|	|	0.71
328.083	0.00	0.36	1.058	O	|	|	|	|	0.82	333.250	0.00	0.31	0.915	O	|	|	|	|	0.71
328.167	0.00	0.36	1.056	O	|	|	|	|	0.82	333.333	0.00	0.31	0.913	O	|	|	|	|	0.71
328.250	0.00	0.36	1.053	O	|	|	|	|	0.82	333.417	0.00	0.31	0.911	O	|	|	|	|	0.71
328.333	0.00	0.36	1.051	O	|	|	|	|	0.82	333.500	0.00	0.31	0.908	O	|	|	|	|	0.70
328.417	0.00	0.36	1.049	O	|	|	|	|	0.81	333.583	0.00	0.31	0.906	O	|	|	|	|	0.70
328.500	0.00	0.36	1.046	O	|	|	|	|	0.81	333.667	0.00	0.31	0.904	O	|	|	|	|	0.70
328.583	0.00	0.36	1.044	O	|	|	|	|	0.81	333.750	0.00	0.31	0.902	O	|	|	|	|	0.70
328.667	0.00	0.36	1.041	O	|	|	|	|	0.81	333.833	0.00	0.31	0.900	O	|	|	|	|	0.70
328.750	0.00	0.35	1.039	O	|	|	|	|	0.81	333.917	0.00	0.31	0.898	O	|	|	|	|	0.70
328.833	0.00	0.35	1.036	O	|	|	|	|	0.80	334.000	0.00	0.31	0.896	O	|	|	|	|	0.69
328.917	0.00	0.35	1.034	O	|	|	|	|	0.80	334.083	0.00	0.31	0.894	O	|	|	|	|	0.69
329.000	0.00	0.35	1.031	O	|	|	|	|	0.80	334.167	0.00	0.30	0.892	O	|	|	|	|	0.69
329.083	0.00	0.35	1.029	O	|	|	|	|	0.80	334.250	0.00	0.30	0.889	O	|	|	|	|	0.69

334.333	0.00	0.30	0.887	O					0.69	339.500	0.00	0.26	0.767	O					0.60
334.417	0.00	0.30	0.885	O					0.69	339.583	0.00	0.26	0.765	O					0.59
334.500	0.00	0.30	0.883	O					0.69	339.667	0.00	0.26	0.763	O					0.59
334.583	0.00	0.30	0.881	O					0.68	339.750	0.00	0.26	0.762	O					0.59
334.667	0.00	0.30	0.879	O					0.68	339.833	0.00	0.26	0.760	O					0.59
334.750	0.00	0.30	0.877	O					0.68	339.917	0.00	0.26	0.758	O					0.59
334.833	0.00	0.30	0.875	O					0.68	340.000	0.00	0.26	0.756	O					0.59
334.917	0.00	0.30	0.873	O					0.68	340.083	0.00	0.26	0.754	O					0.59
335.000	0.00	0.30	0.871	O					0.68	340.167	0.00	0.26	0.753	O					0.58
335.083	0.00	0.30	0.869	O					0.67	340.250	0.00	0.26	0.751	O					0.58
335.167	0.00	0.30	0.867	O					0.67	340.333	0.00	0.26	0.749	O					0.58
335.250	0.00	0.30	0.865	O					0.67	340.417	0.00	0.26	0.747	O					0.58
335.333	0.00	0.29	0.863	O					0.67	340.500	0.00	0.25	0.746	O					0.58
335.417	0.00	0.29	0.861	O					0.67	340.583	0.00	0.25	0.744	O					0.58
335.500	0.00	0.29	0.859	O					0.67	340.667	0.00	0.25	0.742	O					0.58
335.583	0.00	0.29	0.857	O					0.66	340.750	0.00	0.25	0.740	O					0.57
335.667	0.00	0.29	0.855	O					0.66	340.833	0.00	0.25	0.739	O					0.57
335.750	0.00	0.29	0.853	O					0.66	340.917	0.00	0.25	0.737	O					0.57
335.833	0.00	0.29	0.851	O					0.66	341.000	0.00	0.25	0.735	O					0.57
335.917	0.00	0.29	0.849	O					0.66	341.083	0.00	0.25	0.733	O					0.57
336.000	0.00	0.29	0.847	O					0.66	341.167	0.00	0.25	0.732	O					0.57
336.083	0.00	0.29	0.845	O					0.66	341.250	0.00	0.25	0.730	O					0.57
336.167	0.00	0.29	0.843	O					0.65	341.333	0.00	0.25	0.728	O					0.57
336.250	0.00	0.29	0.841	O					0.65	341.417	0.00	0.25	0.727	O					0.56
336.333	0.00	0.29	0.839	O					0.65	341.500	0.00	0.25	0.725	O					0.56
336.417	0.00	0.29	0.837	O					0.65	341.583	0.00	0.25	0.723	O					0.56
336.500	0.00	0.28	0.835	O					0.65	341.667	0.00	0.25	0.722	O					0.56
336.583	0.00	0.28	0.833	O					0.65	341.750	0.00	0.25	0.720	O					0.56
336.667	0.00	0.28	0.831	O					0.64	341.833	0.00	0.25	0.718	O					0.56
336.750	0.00	0.28	0.829	O					0.64	341.917	0.00	0.24	0.716	O					0.56
336.833	0.00	0.28	0.827	O					0.64	342.000	0.00	0.24	0.715	O					0.55
336.917	0.00	0.28	0.825	O					0.64	342.083	0.00	0.24	0.713	O					0.55
337.000	0.00	0.28	0.823	O					0.64	342.167	0.00	0.24	0.711	O					0.55
337.083	0.00	0.28	0.821	O					0.64	342.250	0.00	0.24	0.710	O					0.55
337.167	0.00	0.28	0.819	O					0.64	342.333	0.00	0.24	0.708	O					0.55
337.250	0.00	0.28	0.817	O					0.63	342.417	0.00	0.24	0.706	O					0.55
337.333	0.00	0.28	0.815	O					0.63	342.500	0.00	0.24	0.705	O					0.55
337.417	0.00	0.28	0.813	O					0.63	342.583	0.00	0.24	0.703	O					0.55
337.500	0.00	0.28	0.812	O					0.63	342.667	0.00	0.24	0.701	O					0.54
337.583	0.00	0.28	0.810	O					0.63	342.750	0.00	0.24	0.700	O					0.54
337.667	0.00	0.28	0.808	O					0.63	342.833	0.00	0.24	0.698	O					0.54
337.750	0.00	0.28	0.806	O					0.63	342.917	0.00	0.24	0.697	O					0.54
337.833	0.00	0.27	0.804	O					0.62	343.000	0.00	0.24	0.695	O					0.54
337.917	0.00	0.27	0.802	O					0.62	343.083	0.00	0.24	0.693	O					0.54
338.000	0.00	0.27	0.800	O					0.62	343.167	0.00	0.24	0.692	O					0.54
338.083	0.00	0.27	0.798	O					0.62	343.250	0.00	0.24	0.690	O					0.54
338.167	0.00	0.27	0.796	O					0.62	343.333	0.00	0.23	0.688	O					0.53
338.250	0.00	0.27	0.795	O					0.62	343.417	0.00	0.23	0.687	O					0.53
338.333	0.00	0.27	0.793	O					0.61	343.500	0.00	0.23	0.685	O					0.53
338.417	0.00	0.27	0.791	O					0.61	343.583	0.00	0.23	0.684	O					0.53
338.500	0.00	0.27	0.789	O					0.61	343.667	0.00	0.23	0.682	O					0.53
338.583	0.00	0.27	0.787	O					0.61	343.750	0.00	0.23	0.680	O					0.53
338.667	0.00	0.27	0.785	O					0.61	343.833	0.00	0.23	0.679	O					0.53
338.750	0.00	0.27	0.783	O					0.61	343.917	0.00	0.23	0.677	O					0.53
338.833	0.00	0.27	0.782	O					0.61	344.000	0.00	0.23	0.676	O					0.52
338.917	0.00	0.27	0.780	O					0.60	344.083	0.00	0.23	0.674	O					0.52
339.000	0.00	0.27	0.778	O					0.60	344.167	0.00	0.23	0.672	O					0.52
339.083	0.00	0.26	0.776	O					0.60	344.250	0.00	0.23	0.671	O					0.52
339.167	0.00	0.26	0.774	O					0.60	344.333	0.00	0.23	0.669	O					0.52
339.250	0.00	0.26	0.772	O					0.60	344.417	0.00	0.23	0.668	O					0.52
339.333	0.00	0.26	0.771	O					0.60	344.500	0.00	0.23	0.666	O					0.52
339.417	0.00	0.26	0.769	O					0.60	344.583	0.00	0.23	0.665	O					0.52

344.667	0.00	0.23	0.663	O	|	|	|	|	0.51	349.833	0.00	0.20	0.573	O	|	|	|	|	0.44
344.750	0.00	0.23	0.661	O	|	|	|	|	0.51	349.917	0.00	0.20	0.572	O	|	|	|	|	0.44
344.833	0.00	0.23	0.660	O	|	|	|	|	0.51	350.000	0.00	0.19	0.570	O	|	|	|	|	0.44
344.917	0.00	0.22	0.658	O	|	|	|	|	0.51	350.083	0.00	0.19	0.569	O	|	|	|	|	0.44
345.000	0.00	0.22	0.657	O	|	|	|	|	0.51	350.167	0.00	0.19	0.568	O	|	|	|	|	0.44
345.083	0.00	0.22	0.655	O	|	|	|	|	0.51	350.250	0.00	0.19	0.566	O	|	|	|	|	0.44
345.167	0.00	0.22	0.654	O	|	|	|	|	0.51	350.333	0.00	0.19	0.565	O	|	|	|	|	0.44
345.250	0.00	0.22	0.652	O	|	|	|	|	0.51	350.417	0.00	0.19	0.564	O	|	|	|	|	0.44
345.333	0.00	0.22	0.651	O	|	|	|	|	0.50	350.500	0.00	0.19	0.562	O	|	|	|	|	0.44
345.417	0.00	0.22	0.649	O	|	|	|	|	0.50	350.583	0.00	0.19	0.561	O	|	|	|	|	0.44
345.500	0.00	0.22	0.648	O	|	|	|	|	0.50	350.667	0.00	0.19	0.560	O	|	|	|	|	0.43
345.583	0.00	0.22	0.646	O	|	|	|	|	0.50	350.750	0.00	0.19	0.558	O	|	|	|	|	0.43
345.667	0.00	0.22	0.645	O	|	|	|	|	0.50	350.833	0.00	0.19	0.557	O	|	|	|	|	0.43
345.750	0.00	0.22	0.643	O	|	|	|	|	0.50	350.917	0.00	0.19	0.556	O	|	|	|	|	0.43
345.833	0.00	0.22	0.642	O	|	|	|	|	0.50	351.000	0.00	0.19	0.554	O	|	|	|	|	0.43
345.917	0.00	0.22	0.640	O	|	|	|	|	0.50	351.083	0.00	0.19	0.553	O	|	|	|	|	0.43
346.000	0.00	0.22	0.638	O	|	|	|	|	0.50	351.167	0.00	0.19	0.552	O	|	|	|	|	0.43
346.083	0.00	0.22	0.637	O	|	|	|	|	0.49	351.250	0.00	0.19	0.551	O	|	|	|	|	0.43
346.167	0.00	0.22	0.636	O	|	|	|	|	0.49	351.333	0.00	0.19	0.549	O	|	|	|	|	0.43
346.250	0.00	0.22	0.634	O	|	|	|	|	0.49	351.417	0.00	0.19	0.548	O	|	|	|	|	0.43
346.333	0.00	0.22	0.633	O	|	|	|	|	0.49	351.500	0.00	0.19	0.547	O	|	|	|	|	0.42
346.417	0.00	0.22	0.631	O	|	|	|	|	0.49	351.583	0.00	0.19	0.545	O	|	|	|	|	0.42
346.500	0.00	0.21	0.630	O	|	|	|	|	0.49	351.667	0.00	0.19	0.544	O	|	|	|	|	0.42
346.583	0.00	0.21	0.628	O	|	|	|	|	0.49	351.750	0.00	0.19	0.543	O	|	|	|	|	0.42
346.667	0.00	0.21	0.627	O	|	|	|	|	0.49	351.833	0.00	0.18	0.542	O	|	|	|	|	0.42
346.750	0.00	0.21	0.625	O	|	|	|	|	0.48	351.917	0.00	0.18	0.540	O	|	|	|	|	0.42
346.833	0.00	0.21	0.624	O	|	|	|	|	0.48	352.000	0.00	0.18	0.539	O	|	|	|	|	0.42
346.917	0.00	0.21	0.622	O	|	|	|	|	0.48	352.083	0.00	0.18	0.538	O	|	|	|	|	0.42
347.000	0.00	0.21	0.621	O	|	|	|	|	0.48	352.167	0.00	0.18	0.537	O	|	|	|	|	0.42
347.083	0.00	0.21	0.619	O	|	|	|	|	0.48	352.250	0.00	0.18	0.535	O	|	|	|	|	0.42
347.167	0.00	0.21	0.618	O	|	|	|	|	0.48	352.333	0.00	0.18	0.534	O	|	|	|	|	0.41
347.250	0.00	0.21	0.616	O	|	|	|	|	0.48	352.417	0.00	0.18	0.533	O	|	|	|	|	0.41
347.333	0.00	0.21	0.615	O	|	|	|	|	0.48	352.500	0.00	0.18	0.532	O	|	|	|	|	0.41
347.417	0.00	0.21	0.613	O	|	|	|	|	0.48	352.583	0.00	0.18	0.530	O	|	|	|	|	0.41
347.500	0.00	0.21	0.612	O	|	|	|	|	0.47	352.667	0.00	0.18	0.529	O	|	|	|	|	0.41
347.583	0.00	0.21	0.611	O	|	|	|	|	0.47	352.750	0.00	0.18	0.528	O	|	|	|	|	0.41
347.667	0.00	0.21	0.609	O	|	|	|	|	0.47	352.833	0.00	0.18	0.527	O	|	|	|	|	0.41
347.750	0.00	0.21	0.608	O	|	|	|	|	0.47	352.917	0.00	0.18	0.525	O	|	|	|	|	0.41
347.833	0.00	0.21	0.606	O	|	|	|	|	0.47	353.000	0.00	0.18	0.524	O	|	|	|	|	0.41
347.917	0.00	0.21	0.605	O	|	|	|	|	0.47	353.083	0.00	0.18	0.523	O	|	|	|	|	0.41
348.000	0.00	0.21	0.603	O	|	|	|	|	0.47	353.167	0.00	0.18	0.522	O	|	|	|	|	0.40
348.083	0.00	0.21	0.602	O	|	|	|	|	0.47	353.250	0.00	0.18	0.520	O	|	|	|	|	0.40
348.167	0.00	0.21	0.601	O	|	|	|	|	0.47	353.333	0.00	0.18	0.519	O	|	|	|	|	0.40
348.250	0.00	0.20	0.599	O	|	|	|	|	0.46	353.417	0.00	0.18	0.518	O	|	|	|	|	0.40
348.333	0.00	0.20	0.598	O	|	|	|	|	0.46	353.500	0.00	0.18	0.517	O	|	|	|	|	0.40
348.417	0.00	0.20	0.596	O	|	|	|	|	0.46	353.583	0.00	0.18	0.516	O	|	|	|	|	0.40
348.500	0.00	0.20	0.595	O	|	|	|	|	0.46	353.667	0.00	0.18	0.514	O	|	|	|	|	0.40
348.583	0.00	0.20	0.594	O	|	|	|	|	0.46	353.750	0.00	0.18	0.513	O	|	|	|	|	0.40
348.667	0.00	0.20	0.592	O	|	|	|	|	0.46	353.833	0.00	0.17	0.512	O	|	|	|	|	0.40
348.750	0.00	0.20	0.591	O	|	|	|	|	0.46	353.917	0.00	0.17	0.511	O	|	|	|	|	0.40
348.833	0.00	0.20	0.589	O	|	|	|	|	0.46	354.000	0.00	0.17	0.509	O	|	|	|	|	0.40
348.917	0.00	0.20	0.588	O	|	|	|	|	0.46	354.083	0.00	0.17	0.508	O	|	|	|	|	0.39
349.000	0.00	0.20	0.587	O	|	|	|	|	0.46	354.167	0.00	0.17	0.507	O	|	|	|	|	0.39
349.083	0.00	0.20	0.585	O	|	|	|	|	0.45	354.250	0.00	0.17	0.506	O	|	|	|	|	0.39
349.167	0.00	0.20	0.584	O	|	|	|	|	0.45	354.333	0.00	0.17	0.505	O	|	|	|	|	0.39
349.250	0.00	0.20	0.583	O	|	|	|	|	0.45	354.417	0.00	0.17	0.504	O	|	|	|	|	0.39
349.333	0.00	0.20	0.581	O	|	|	|	|	0.45	354.500	0.00	0.17	0.502	O	|	|	|	|	0.39
349.417	0.00	0.20	0.580	O	|	|	|	|	0.45	354.583	0.00	0.17	0.501	O	|	|	|	|	0.39
349.500	0.00	0.20	0.578	O	|	|	|	|	0.45	354.667	0.00	0.17	0.500	O	|	|	|	|	0.39
349.583	0.00	0.20	0.577	O	|	|	|	|	0.45	354.750	0.00	0.17	0.499	O	|	|	|	|	0.39
349.667	0.00	0.20	0.576	O	|	|	|	|	0.45	354.833	0.00	0.17	0.498	O	|	|	|	|	0.39
349.750	0.00	0.20	0.574	O	|	|	|	|	0.45	354.917	0.00	0.17	0.496	O	|	|	|	|	0.39

355.000	0.00	0.17	0.495	O	|	|	|	|	0.38	360.167	0.00	0.15	0.428	O	|	|	|	|	0.33
355.083	0.00	0.17	0.494	O	|	|	|	|	0.38	360.250	0.00	0.15	0.427	O	|	|	|	|	0.33
355.167	0.00	0.17	0.493	O	|	|	|	|	0.38	360.333	0.00	0.15	0.426	O	|	|	|	|	0.33
355.250	0.00	0.17	0.492	O	|	|	|	|	0.38	360.417	0.00	0.15	0.425	O	|	|	|	|	0.33
355.333	0.00	0.17	0.491	O	|	|	|	|	0.38	360.500	0.00	0.14	0.424	O	|	|	|	|	0.33
355.417	0.00	0.17	0.490	O	|	|	|	|	0.38	360.583	0.00	0.14	0.423	O	|	|	|	|	0.33
355.500	0.00	0.17	0.488	O	|	|	|	|	0.38	360.667	0.00	0.14	0.422	O	|	|	|	|	0.33
355.583	0.00	0.17	0.487	O	|	|	|	|	0.38	360.750	0.00	0.14	0.421	O	|	|	|	|	0.33
355.667	0.00	0.17	0.486	O	|	|	|	|	0.38	360.833	0.00	0.14	0.420	O	|	|	|	|	0.33
355.750	0.00	0.17	0.485	O	|	|	|	|	0.38	360.917	0.00	0.14	0.419	O	|	|	|	|	0.33
355.833	0.00	0.17	0.484	O	|	|	|	|	0.38	361.000	0.00	0.14	0.418	O	|	|	|	|	0.32
355.917	0.00	0.16	0.483	O	|	|	|	|	0.37	361.083	0.00	0.14	0.417	O	|	|	|	|	0.32
356.000	0.00	0.16	0.482	O	|	|	|	|	0.37	361.167	0.00	0.14	0.416	O	|	|	|	|	0.32
356.083	0.00	0.16	0.480	O	|	|	|	|	0.37	361.250	0.00	0.14	0.415	O	|	|	|	|	0.32
356.167	0.00	0.16	0.479	O	|	|	|	|	0.37	361.333	0.00	0.14	0.414	O	|	|	|	|	0.32
356.250	0.00	0.16	0.478	O	|	|	|	|	0.37	361.417	0.00	0.14	0.413	O	|	|	|	|	0.32
356.333	0.00	0.16	0.477	O	|	|	|	|	0.37	361.500	0.00	0.14	0.412	O	|	|	|	|	0.32
356.417	0.00	0.16	0.476	O	|	|	|	|	0.37	361.583	0.00	0.14	0.411	O	|	|	|	|	0.32
356.500	0.00	0.16	0.475	O	|	|	|	|	0.37	361.667	0.00	0.14	0.410	O	|	|	|	|	0.32
356.583	0.00	0.16	0.474	O	|	|	|	|	0.37	361.750	0.00	0.14	0.409	O	|	|	|	|	0.32
356.667	0.00	0.16	0.473	O	|	|	|	|	0.37	361.833	0.00	0.14	0.408	O	|	|	|	|	0.32
356.750	0.00	0.16	0.471	O	|	|	|	|	0.37	361.917	0.00	0.14	0.408	O	|	|	|	|	0.32
356.833	0.00	0.16	0.470	O	|	|	|	|	0.36	362.000	0.00	0.14	0.407	O	|	|	|	|	0.32
356.917	0.00	0.16	0.469	O	|	|	|	|	0.36	362.083	0.00	0.14	0.406	O	|	|	|	|	0.31
357.000	0.00	0.16	0.468	O	|	|	|	|	0.36	362.167	0.00	0.14	0.405	O	|	|	|	|	0.31
357.083	0.00	0.16	0.467	O	|	|	|	|	0.36	362.250	0.00	0.14	0.404	O	|	|	|	|	0.31
357.167	0.00	0.16	0.466	O	|	|	|	|	0.36	362.333	0.00	0.14	0.403	O	|	|	|	|	0.31
357.250	0.00	0.16	0.465	O	|	|	|	|	0.36	362.417	0.00	0.14	0.402	O	|	|	|	|	0.31
357.333	0.00	0.16	0.464	O	|	|	|	|	0.36	362.500	0.00	0.14	0.401	O	|	|	|	|	0.31
357.417	0.00	0.16	0.463	O	|	|	|	|	0.36	362.583	0.00	0.14	0.400	O	|	|	|	|	0.31
357.500	0.00	0.16	0.462	O	|	|	|	|	0.36	362.667	0.00	0.14	0.399	O	|	|	|	|	0.31
357.583	0.00	0.16	0.461	O	|	|	|	|	0.36	362.750	0.00	0.14	0.398	O	|	|	|	|	0.31
357.667	0.00	0.16	0.459	O	|	|	|	|	0.36	362.833	0.00	0.14	0.397	O	|	|	|	|	0.31
357.750	0.00	0.16	0.458	O	|	|	|	|	0.36	362.917	0.00	0.14	0.396	O	|	|	|	|	0.31
357.833	0.00	0.16	0.457	O	|	|	|	|	0.35	363.000	0.00	0.13	0.395	O	|	|	|	|	0.31
357.917	0.00	0.16	0.456	O	|	|	|	|	0.35	363.083	0.00	0.13	0.394	O	|	|	|	|	0.31
358.000	0.00	0.16	0.455	O	|	|	|	|	0.35	363.167	0.00	0.13	0.393	O	|	|	|	|	0.31
358.083	0.00	0.15	0.454	O	|	|	|	|	0.35	363.250	0.00	0.13	0.392	O	|	|	|	|	0.30
358.167	0.00	0.15	0.453	O	|	|	|	|	0.35	363.333	0.00	0.13	0.392	O	|	|	|	|	0.30
358.250	0.00	0.15	0.452	O	|	|	|	|	0.35	363.417	0.00	0.13	0.391	O	|	|	|	|	0.30
358.333	0.00	0.15	0.451	O	|	|	|	|	0.35	363.500	0.00	0.13	0.390	O	|	|	|	|	0.30
358.417	0.00	0.15	0.450	O	|	|	|	|	0.35	363.583	0.00	0.13	0.389	O	|	|	|	|	0.30
358.500	0.00	0.15	0.449	O	|	|	|	|	0.35	363.667	0.00	0.13	0.388	O	|	|	|	|	0.30
358.583	0.00	0.15	0.448	O	|	|	|	|	0.35	363.750	0.00	0.13	0.387	O	|	|	|	|	0.30
358.667	0.00	0.15	0.447	O	|	|	|	|	0.35	363.833	0.00	0.13	0.386	O	|	|	|	|	0.30
358.750	0.00	0.15	0.446	O	|	|	|	|	0.35	363.917	0.00	0.13	0.385	O	|	|	|	|	0.30
358.833	0.00	0.15	0.445	O	|	|	|	|	0.34	364.000	0.00	0.13	0.384	O	|	|	|	|	0.30
358.917	0.00	0.15	0.444	O	|	|	|	|	0.34	364.083	0.00	0.13	0.383	O	|	|	|	|	0.30
359.000	0.00	0.15	0.442	O	|	|	|	|	0.34	364.167	0.00	0.13	0.382	O	|	|	|	|	0.30
359.083	0.00	0.15	0.441	O	|	|	|	|	0.34	364.250	0.00	0.13	0.382	O	|	|	|	|	0.30
359.167	0.00	0.15	0.440	O	|	|	|	|	0.34	364.333	0.00	0.13	0.381	O	|	|	|	|	0.30
359.250	0.00	0.15	0.439	O	|	|	|	|	0.34	364.417	0.00	0.13	0.380	O	|	|	|	|	0.29
359.333	0.00	0.15	0.438	O	|	|	|	|	0.34	364.500	0.00	0.13	0.379	O	|	|	|	|	0.29
359.417	0.00	0.15	0.437	O	|	|	|	|	0.34	364.583	0.00	0.13	0.378	O	|	|	|	|	0.29
359.500	0.00	0.15	0.436	O	|	|	|	|	0.34	364.667	0.00	0.13	0.377	O	|	|	|	|	0.29
359.583	0.00	0.15	0.435	O	|	|	|	|	0.34	364.750	0.00	0.13	0.376	O	|	|	|	|	0.29
359.667	0.00	0.15	0.434	O	|	|	|	|	0.34	364.833	0.00	0.13	0.375	O	|	|	|	|	0.29
359.750	0.00	0.15	0.433	O	|	|	|	|	0.34	364.917	0.00	0.13	0.374	O	|	|	|	|	0.29
359.833	0.00	0.15	0.432	O	|	|	|	|	0.34	365.000	0.00	0.13	0.374	O	|	|	|	|	0.29
359.917	0.00	0.15	0.431	O	|	|	|	|	0.33	365.083	0.00	0.13	0.373	O	|	|	|	|	0.29
360.000	0.00	0.15	0.430	O	|	|	|	|	0.33	365.167	0.00	0.13	0.372	O	|	|	|	|	0.29
360.083	0.00	0.15	0.429	O	|	|	|	|	0.33	365.250	0.00	0.13	0.371	O	|	|	|	|	0.29

365.333	0.00	0.13	0.370	O	|	|	|	|	0.29	370.500	0.00	0.11	0.320	O	|	|	|	|	0.25
365.417	0.00	0.13	0.369	O	|	|	|	|	0.29	370.583	0.00	0.11	0.319	O	|	|	|	|	0.25
365.500	0.00	0.13	0.368	O	|	|	|	|	0.29	370.667	0.00	0.11	0.318	O	|	|	|	|	0.25
365.583	0.00	0.13	0.367	O	|	|	|	|	0.29	370.750	0.00	0.11	0.318	O	|	|	|	|	0.25
365.667	0.00	0.13	0.367	O	|	|	|	|	0.28	370.833	0.00	0.11	0.317	O	|	|	|	|	0.25
365.750	0.00	0.12	0.366	O	|	|	|	|	0.28	370.917	0.00	0.11	0.316	O	|	|	|	|	0.25
365.833	0.00	0.12	0.365	O	|	|	|	|	0.28	371.000	0.00	0.11	0.315	O	|	|	|	|	0.24
365.917	0.00	0.12	0.364	O	|	|	|	|	0.28	371.083	0.00	0.11	0.315	O	|	|	|	|	0.24
366.000	0.00	0.12	0.363	O	|	|	|	|	0.28	371.167	0.00	0.11	0.314	O	|	|	|	|	0.24
366.083	0.00	0.12	0.362	O	|	|	|	|	0.28	371.250	0.00	0.11	0.313	O	|	|	|	|	0.24
366.167	0.00	0.12	0.361	O	|	|	|	|	0.28	371.333	0.00	0.11	0.312	O	|	|	|	|	0.24
366.250	0.00	0.12	0.361	O	|	|	|	|	0.28	371.417	0.00	0.11	0.312	O	|	|	|	|	0.24
366.333	0.00	0.12	0.360	O	|	|	|	|	0.28	371.500	0.00	0.11	0.311	O	|	|	|	|	0.24
366.417	0.00	0.12	0.359	O	|	|	|	|	0.28	371.583	0.00	0.11	0.310	O	|	|	|	|	0.24
366.500	0.00	0.12	0.358	O	|	|	|	|	0.28	371.667	0.00	0.11	0.310	O	|	|	|	|	0.24
366.583	0.00	0.12	0.357	O	|	|	|	|	0.28	371.750	0.00	0.11	0.309	O	|	|	|	|	0.24
366.667	0.00	0.12	0.356	O	|	|	|	|	0.28	371.833	0.00	0.11	0.308	O	|	|	|	|	0.24
366.750	0.00	0.12	0.356	O	|	|	|	|	0.28	371.917	0.00	0.10	0.307	O	|	|	|	|	0.24
366.833	0.00	0.12	0.355	O	|	|	|	|	0.28	372.000	0.00	0.10	0.307	O	|	|	|	|	0.24
366.917	0.00	0.12	0.354	O	|	|	|	|	0.27	372.083	0.00	0.10	0.306	O	|	|	|	|	0.24
367.000	0.00	0.12	0.353	O	|	|	|	|	0.27	372.167	0.00	0.10	0.305	O	|	|	|	|	0.24
367.083	0.00	0.12	0.352	O	|	|	|	|	0.27	372.250	0.00	0.10	0.304	O	|	|	|	|	0.24
367.167	0.00	0.12	0.351	O	|	|	|	|	0.27	372.333	0.00	0.10	0.304	O	|	|	|	|	0.24
367.250	0.00	0.12	0.351	O	|	|	|	|	0.27	372.417	0.00	0.10	0.303	O	|	|	|	|	0.24
367.333	0.00	0.12	0.350	O	|	|	|	|	0.27	372.500	0.00	0.10	0.302	O	|	|	|	|	0.23
367.417	0.00	0.12	0.349	O	|	|	|	|	0.27	372.583	0.00	0.10	0.302	O	|	|	|	|	0.23
367.500	0.00	0.12	0.348	O	|	|	|	|	0.27	372.667	0.00	0.10	0.301	O	|	|	|	|	0.23
367.583	0.00	0.12	0.347	O	|	|	|	|	0.27	372.750	0.00	0.10	0.300	O	|	|	|	|	0.23
367.667	0.00	0.12	0.346	O	|	|	|	|	0.27	372.833	0.00	0.10	0.300	O	|	|	|	|	0.23
367.750	0.00	0.12	0.346	O	|	|	|	|	0.27	372.917	0.00	0.10	0.299	O	|	|	|	|	0.23
367.833	0.00	0.12	0.345	O	|	|	|	|	0.27	373.000	0.00	0.10	0.298	O	|	|	|	|	0.23
367.917	0.00	0.12	0.344	O	|	|	|	|	0.27	373.083	0.00	0.10	0.297	O	|	|	|	|	0.23
368.000	0.00	0.12	0.343	O	|	|	|	|	0.27	373.167	0.00	0.10	0.297	O	|	|	|	|	0.23
368.083	0.00	0.12	0.342	O	|	|	|	|	0.27	373.250	0.00	0.10	0.296	O	|	|	|	|	0.23
368.167	0.00	0.12	0.342	O	|	|	|	|	0.27	373.333	0.00	0.10	0.295	O	|	|	|	|	0.23
368.250	0.00	0.12	0.341	O	|	|	|	|	0.26	373.417	0.00	0.10	0.295	O	|	|	|	|	0.23
368.333	0.00	0.12	0.340	O	|	|	|	|	0.26	373.500	0.00	0.10	0.294	O	|	|	|	|	0.23
368.417	0.00	0.12	0.339	O	|	|	|	|	0.26	373.583	0.00	0.10	0.293	O	|	|	|	|	0.23
368.500	0.00	0.12	0.338	O	|	|	|	|	0.26	373.667	0.00	0.10	0.293	O	|	|	|	|	0.23
368.583	0.00	0.12	0.338	O	|	|	|	|	0.26	373.750	0.00	0.10	0.292	O	|	|	|	|	0.23
368.667	0.00	0.11	0.337	O	|	|	|	|	0.26	373.833	0.00	0.10	0.291	O	|	|	|	|	0.23
368.750	0.00	0.11	0.336	O	|	|	|	|	0.26	373.917	0.00	0.10	0.290	O	|	|	|	|	0.23
368.833	0.00	0.11	0.335	O	|	|	|	|	0.26	374.000	0.00	0.10	0.290	O	|	|	|	|	0.22
368.917	0.00	0.11	0.334	O	|	|	|	|	0.26	374.083	0.00	0.10	0.289	O	|	|	|	|	0.22
369.000	0.00	0.11	0.334	O	|	|	|	|	0.26	374.167	0.00	0.10	0.288	O	|	|	|	|	0.22
369.083	0.00	0.11	0.333	O	|	|	|	|	0.26	374.250	0.00	0.10	0.288	O	|	|	|	|	0.22
369.167	0.00	0.11	0.332	O	|	|	|	|	0.26	374.333	0.00	0.10	0.287	O	|	|	|	|	0.22
369.250	0.00	0.11	0.331	O	|	|	|	|	0.26	374.417	0.00	0.10	0.286	O	|	|	|	|	0.22
369.333	0.00	0.11	0.331	O	|	|	|	|	0.26	374.500	0.00	0.10	0.286	O	|	|	|	|	0.22
369.417	0.00	0.11	0.330	O	|	|	|	|	0.26	374.583	0.00	0.10	0.285	O	|	|	|	|	0.22
369.500	0.00	0.11	0.329	O	|	|	|	|	0.26	374.667	0.00	0.10	0.284	O	|	|	|	|	0.22
369.583	0.00	0.11	0.328	O	|	|	|	|	0.25	374.750	0.00	0.10	0.284	O	|	|	|	|	0.22
369.667	0.00	0.11	0.327	O	|	|	|	|	0.25	374.833	0.00	0.10	0.283	O	|	|	|	|	0.22
369.750	0.00	0.11	0.327	O	|	|	|	|	0.25	374.917	0.00	0.10	0.282	O	|	|	|	|	0.22
369.833	0.00	0.11	0.326	O	|	|	|	|	0.25	375.000	0.00	0.10	0.282	O	|	|	|	|	0.22
369.917	0.00	0.11	0.325	O	|	|	|	|	0.25	375.083	0.00	0.10	0.281	O	|	|	|	|	0.22
370.000	0.00	0.11	0.324	O	|	|	|	|	0.25	375.167	0.00	0.10	0.280	O	|	|	|	|	0.22
370.083	0.00	0.11	0.324	O	|	|	|	|	0.25	375.250	0.00	0.10	0.280	O	|	|	|	|	0.22
370.167	0.00	0.11	0.323	O	|	|	|	|	0.25	375.333	0.00	0.10	0.279	O	|	|	|	|	0.22
370.250	0.00	0.11	0.322	O	|	|	|	|	0.25	375.417	0.00	0.10	0.278	O	|	|	|	|	0.22
370.333	0.00	0.11	0.321	O	|	|	|	|	0.25	375.500	0.00	0.09	0.278	O	|	|	|	|	0.22
370.417	0.00	0.11	0.321	O	|	|	|	|	0.25	375.583	0.00	0.09	0.277	O	|	|	|	|	0.22

375.667	0.00	0.09	0.276	O	|	|	|	|	0.21	380.833	0.00	0.08	0.239	O	|	|	|	|	0.19
375.750	0.00	0.09	0.276	O	|	|	|	|	0.21	380.917	0.00	0.08	0.238	O	|	|	|	|	0.18
375.833	0.00	0.09	0.275	O	|	|	|	|	0.21	381.000	0.00	0.08	0.238	O	|	|	|	|	0.18
375.917	0.00	0.09	0.275	O	|	|	|	|	0.21	381.083	0.00	0.08	0.237	O	|	|	|	|	0.18
376.000	0.00	0.09	0.274	O	|	|	|	|	0.21	381.167	0.00	0.08	0.237	O	|	|	|	|	0.18
376.083	0.00	0.09	0.273	O	|	|	|	|	0.21	381.250	0.00	0.08	0.236	O	|	|	|	|	0.18
376.167	0.00	0.09	0.273	O	|	|	|	|	0.21	381.333	0.00	0.08	0.236	O	|	|	|	|	0.18
376.250	0.00	0.09	0.272	O	|	|	|	|	0.21	381.417	0.00	0.08	0.235	O	|	|	|	|	0.18
376.333	0.00	0.09	0.271	O	|	|	|	|	0.21	381.500	0.00	0.08	0.235	O	|	|	|	|	0.18
376.417	0.00	0.09	0.271	O	|	|	|	|	0.21	381.583	0.00	0.08	0.234	O	|	|	|	|	0.18
376.500	0.00	0.09	0.270	O	|	|	|	|	0.21	381.667	0.00	0.08	0.233	O	|	|	|	|	0.18
376.583	0.00	0.09	0.269	O	|	|	|	|	0.21	381.750	0.00	0.08	0.233	O	|	|	|	|	0.18
376.667	0.00	0.09	0.269	O	|	|	|	|	0.21	381.833	0.00	0.08	0.232	O	|	|	|	|	0.18
376.750	0.00	0.09	0.268	O	|	|	|	|	0.21	381.917	0.00	0.08	0.232	O	|	|	|	|	0.18
376.833	0.00	0.09	0.268	O	|	|	|	|	0.21	382.000	0.00	0.08	0.231	O	|	|	|	|	0.18
376.917	0.00	0.09	0.267	O	|	|	|	|	0.21	382.083	0.00	0.08	0.231	O	|	|	|	|	0.18
377.000	0.00	0.09	0.266	O	|	|	|	|	0.21	382.167	0.00	0.08	0.230	O	|	|	|	|	0.18
377.083	0.00	0.09	0.266	O	|	|	|	|	0.21	382.250	0.00	0.08	0.230	O	|	|	|	|	0.18
377.167	0.00	0.09	0.265	O	|	|	|	|	0.21	382.333	0.00	0.08	0.229	O	|	|	|	|	0.18
377.250	0.00	0.09	0.264	O	|	|	|	|	0.21	382.417	0.00	0.08	0.229	O	|	|	|	|	0.18
377.333	0.00	0.09	0.264	O	|	|	|	|	0.20	382.500	0.00	0.08	0.228	O	|	|	|	|	0.18
377.417	0.00	0.09	0.263	O	|	|	|	|	0.20	382.583	0.00	0.08	0.227	O	|	|	|	|	0.18
377.500	0.00	0.09	0.263	O	|	|	|	|	0.20	382.667	0.00	0.08	0.227	O	|	|	|	|	0.18
377.583	0.00	0.09	0.262	O	|	|	|	|	0.20	382.750	0.00	0.08	0.226	O	|	|	|	|	0.18
377.667	0.00	0.09	0.261	O	|	|	|	|	0.20	382.833	0.00	0.08	0.226	O	|	|	|	|	0.18
377.750	0.00	0.09	0.261	O	|	|	|	|	0.20	382.917	0.00	0.08	0.225	O	|	|	|	|	0.17
377.833	0.00	0.09	0.260	O	|	|	|	|	0.20	383.000	0.00	0.08	0.225	O	|	|	|	|	0.17
377.917	0.00	0.09	0.259	O	|	|	|	|	0.20	383.083	0.00	0.08	0.224	O	|	|	|	|	0.17
378.000	0.00	0.09	0.259	O	|	|	|	|	0.20	383.167	0.00	0.08	0.224	O	|	|	|	|	0.17
378.083	0.00	0.09	0.258	O	|	|	|	|	0.20	383.250	0.00	0.08	0.223	O	|	|	|	|	0.17
378.167	0.00	0.09	0.258	O	|	|	|	|	0.20	383.333	0.00	0.08	0.223	O	|	|	|	|	0.17
378.250	0.00	0.09	0.257	O	|	|	|	|	0.20	383.417	0.00	0.08	0.222	O	|	|	|	|	0.17
378.333	0.00	0.09	0.256	O	|	|	|	|	0.20	383.500	0.00	0.08	0.222	O	|	|	|	|	0.17
378.417	0.00	0.09	0.256	O	|	|	|	|	0.20	383.583	0.00	0.08	0.221	O	|	|	|	|	0.17
378.500	0.00	0.09	0.255	O	|	|	|	|	0.20	383.667	0.00	0.08	0.221	O	|	|	|	|	0.17
378.583	0.00	0.09	0.255	O	|	|	|	|	0.20	383.750	0.00	0.08	0.220	O	|	|	|	|	0.17
378.667	0.00	0.09	0.254	O	|	|	|	|	0.20	383.833	0.00	0.07	0.220	O	|	|	|	|	0.17
378.750	0.00	0.09	0.253	O	|	|	|	|	0.20	383.917	0.00	0.07	0.219	O	|	|	|	|	0.17
378.833	0.00	0.09	0.253	O	|	|	|	|	0.20	384.000	0.00	0.07	0.219	O	|	|	|	|	0.17
378.917	0.00	0.09	0.252	O	|	|	|	|	0.20	384.083	0.00	0.07	0.218	O	|	|	|	|	0.17
379.000	0.00	0.09	0.252	O	|	|	|	|	0.20	384.167	0.00	0.07	0.218	O	|	|	|	|	0.17
379.083	0.00	0.09	0.251	O	|	|	|	|	0.19	384.250	0.00	0.07	0.217	O	|	|	|	|	0.17
379.167	0.00	0.09	0.250	O	|	|	|	|	0.19	384.333	0.00	0.07	0.217	O	|	|	|	|	0.17
379.250	0.00	0.09	0.250	O	|	|	|	|	0.19	384.417	0.00	0.07	0.216	O	|	|	|	|	0.17
379.333	0.00	0.09	0.249	O	|	|	|	|	0.19	384.500	0.00	0.07	0.216	O	|	|	|	|	0.17
379.417	0.00	0.08	0.249	O	|	|	|	|	0.19	384.583	0.00	0.07	0.215	O	|	|	|	|	0.17
379.500	0.00	0.08	0.248	O	|	|	|	|	0.19	384.667	0.00	0.07	0.214	O	|	|	|	|	0.17
379.583	0.00	0.08	0.248	O	|	|	|	|	0.19	384.750	0.00	0.07	0.214	O	|	|	|	|	0.17
379.667	0.00	0.08	0.247	O	|	|	|	|	0.19	384.833	0.00	0.07	0.213	O	|	|	|	|	0.17
379.750	0.00	0.08	0.246	O	|	|	|	|	0.19	384.917	0.00	0.07	0.213	O	|	|	|	|	0.17
379.833	0.00	0.08	0.246	O	|	|	|	|	0.19	385.000	0.00	0.07	0.212	O	|	|	|	|	0.16
379.917	0.00	0.08	0.245	O	|	|	|	|	0.19	385.083	0.00	0.07	0.212	O	|	|	|	|	0.16
380.000	0.00	0.08	0.245	O	|	|	|	|	0.19	385.167	0.00	0.07	0.211	O	|	|	|	|	0.16
380.083	0.00	0.08	0.244	O	|	|	|	|	0.19	385.250	0.00	0.07	0.211	O	|	|	|	|	0.16
380.167	0.00	0.08	0.244	O	|	|	|	|	0.19	385.333	0.00	0.07	0.211	O	|	|	|	|	0.16
380.250	0.00	0.08	0.243	O	|	|	|	|	0.19	385.417	0.00	0.07	0.210	O	|	|	|	|	0.16
380.333	0.00	0.08	0.242	O	|	|	|	|	0.19	385.500	0.00	0.07	0.210	O	|	|	|	|	0.16
380.417	0.00	0.08	0.242	O	|	|	|	|	0.19	385.583	0.00	0.07	0.209	O	|	|	|	|	0.16
380.500	0.00	0.08	0.241	O	|	|	|	|	0.19	385.667	0.00	0.07	0.209	O	|	|	|	|	0.16
380.583	0.00	0.08	0.241	O	|	|	|	|	0.19	385.750	0.00	0.07	0.208	O	|	|	|	|	0.16
380.667	0.00	0.08	0.240	O	|	|	|	|	0.19	385.833	0.00	0.07	0.208	O	|	|	|	|	0.16
380.750	0.00	0.08	0.240	O	|	|	|	|	0.19	385.917	0.00	0.07	0.207	O	|	|	|	|	0.16

386.000	0.00	0.07	0.207	O	|	|	|	|	0.16	391.167	0.00	0.06	0.179	O	|	|	|	|	0.14
386.083	0.00	0.07	0.206	O	|	|	|	|	0.16	391.250	0.00	0.06	0.178	O	|	|	|	|	0.14
386.167	0.00	0.07	0.206	O	|	|	|	|	0.16	391.333	0.00	0.06	0.178	O	|	|	|	|	0.14
386.250	0.00	0.07	0.205	O	|	|	|	|	0.16	391.417	0.00	0.06	0.177	O	|	|	|	|	0.14
386.333	0.00	0.07	0.205	O	|	|	|	|	0.16	391.500	0.00	0.06	0.177	O	|	|	|	|	0.14
386.417	0.00	0.07	0.204	O	|	|	|	|	0.16	391.583	0.00	0.06	0.176	O	|	|	|	|	0.14
386.500	0.00	0.07	0.204	O	|	|	|	|	0.16	391.667	0.00	0.06	0.176	O	|	|	|	|	0.14
386.583	0.00	0.07	0.203	O	|	|	|	|	0.16	391.750	0.00	0.06	0.176	O	|	|	|	|	0.14
386.667	0.00	0.07	0.203	O	|	|	|	|	0.16	391.833	0.00	0.06	0.175	O	|	|	|	|	0.14
386.750	0.00	0.07	0.202	O	|	|	|	|	0.16	391.917	0.00	0.06	0.175	O	|	|	|	|	0.14
386.833	0.00	0.07	0.202	O	|	|	|	|	0.16	392.000	0.00	0.06	0.174	O	|	|	|	|	0.14
386.917	0.00	0.07	0.201	O	|	|	|	|	0.16	392.083	0.00	0.06	0.174	O	|	|	|	|	0.13
387.000	0.00	0.07	0.201	O	|	|	|	|	0.16	392.167	0.00	0.06	0.174	O	|	|	|	|	0.13
387.083	0.00	0.07	0.200	O	|	|	|	|	0.16	392.250	0.00	0.06	0.173	O	|	|	|	|	0.13
387.167	0.00	0.07	0.200	O	|	|	|	|	0.16	392.333	0.00	0.06	0.173	O	|	|	|	|	0.13
387.250	0.00	0.07	0.199	O	|	|	|	|	0.15	392.417	0.00	0.06	0.172	O	|	|	|	|	0.13
387.333	0.00	0.07	0.199	O	|	|	|	|	0.15	392.500	0.00	0.06	0.172	O	|	|	|	|	0.13
387.417	0.00	0.07	0.198	O	|	|	|	|	0.15	392.583	0.00	0.06	0.172	O	|	|	|	|	0.13
387.500	0.00	0.07	0.198	O	|	|	|	|	0.15	392.667	0.00	0.06	0.171	O	|	|	|	|	0.13
387.583	0.00	0.07	0.198	O	|	|	|	|	0.15	392.750	0.00	0.06	0.171	O	|	|	|	|	0.13
387.667	0.00	0.07	0.197	O	|	|	|	|	0.15	392.833	0.00	0.06	0.170	O	|	|	|	|	0.13
387.750	0.00	0.07	0.197	O	|	|	|	|	0.15	392.917	0.00	0.06	0.170	O	|	|	|	|	0.13
387.833	0.00	0.07	0.196	O	|	|	|	|	0.15	393.000	0.00	0.06	0.170	O	|	|	|	|	0.13
387.917	0.00	0.07	0.196	O	|	|	|	|	0.15	393.083	0.00	0.06	0.169	O	|	|	|	|	0.13
388.000	0.00	0.07	0.195	O	|	|	|	|	0.15	393.167	0.00	0.06	0.169	O	|	|	|	|	0.13
388.083	0.00	0.07	0.195	O	|	|	|	|	0.15	393.250	0.00	0.06	0.168	O	|	|	|	|	0.13
388.167	0.00	0.07	0.194	O	|	|	|	|	0.15	393.333	0.00	0.06	0.168	O	|	|	|	|	0.13
388.250	0.00	0.07	0.194	O	|	|	|	|	0.15	393.417	0.00	0.06	0.168	O	|	|	|	|	0.13
388.333	0.00	0.07	0.193	O	|	|	|	|	0.15	393.500	0.00	0.06	0.167	O	|	|	|	|	0.13
388.417	0.00	0.07	0.193	O	|	|	|	|	0.15	393.583	0.00	0.06	0.167	O	|	|	|	|	0.13
388.500	0.00	0.07	0.193	O	|	|	|	|	0.15	393.667	0.00	0.06	0.166	O	|	|	|	|	0.13
388.583	0.00	0.07	0.192	O	|	|	|	|	0.15	393.750	0.00	0.06	0.166	O	|	|	|	|	0.13
388.667	0.00	0.07	0.192	O	|	|	|	|	0.15	393.833	0.00	0.06	0.166	O	|	|	|	|	0.13
388.750	0.00	0.07	0.191	O	|	|	|	|	0.15	393.917	0.00	0.06	0.165	O	|	|	|	|	0.13
388.833	0.00	0.07	0.191	O	|	|	|	|	0.15	394.000	0.00	0.06	0.165	O	|	|	|	|	0.13
388.917	0.00	0.06	0.190	O	|	|	|	|	0.15	394.083	0.00	0.06	0.164	O	|	|	|	|	0.13
389.000	0.00	0.06	0.190	O	|	|	|	|	0.15	394.167	0.00	0.06	0.164	O	|	|	|	|	0.13
389.083	0.00	0.06	0.189	O	|	|	|	|	0.15	394.250	0.00	0.06	0.164	O	|	|	|	|	0.13
389.167	0.00	0.06	0.189	O	|	|	|	|	0.15	394.333	0.00	0.06	0.163	O	|	|	|	|	0.13
389.250	0.00	0.06	0.188	O	|	|	|	|	0.15	394.417	0.00	0.06	0.163	O	|	|	|	|	0.13
389.333	0.00	0.06	0.188	O	|	|	|	|	0.15	394.500	0.00	0.06	0.163	O	|	|	|	|	0.13
389.417	0.00	0.06	0.188	O	|	|	|	|	0.15	394.583	0.00	0.06	0.162	O	|	|	|	|	0.13
389.500	0.00	0.06	0.187	O	|	|	|	|	0.15	394.667	0.00	0.06	0.162	O	|	|	|	|	0.13
389.583	0.00	0.06	0.187	O	|	|	|	|	0.14	394.750	0.00	0.06	0.161	O	|	|	|	|	0.13
389.667	0.00	0.06	0.186	O	|	|	|	|	0.14	394.833	0.00	0.05	0.161	O	|	|	|	|	0.12
389.750	0.00	0.06	0.186	O	|	|	|	|	0.14	394.917	0.00	0.05	0.161	O	|	|	|	|	0.12
389.833	0.00	0.06	0.185	O	|	|	|	|	0.14	395.000	0.00	0.05	0.160	O	|	|	|	|	0.12
389.917	0.00	0.06	0.185	O	|	|	|	|	0.14	395.083	0.00	0.05	0.160	O	|	|	|	|	0.12
390.000	0.00	0.06	0.185	O	|	|	|	|	0.14	395.167	0.00	0.05	0.160	O	|	|	|	|	0.12
390.083	0.00	0.06	0.184	O	|	|	|	|	0.14	395.250	0.00	0.05	0.159	O	|	|	|	|	0.12
390.167	0.00	0.06	0.184	O	|	|	|	|	0.14	395.333	0.00	0.05	0.159	O	|	|	|	|	0.12
390.250	0.00	0.06	0.183	O	|	|	|	|	0.14	395.417	0.00	0.05	0.158	O	|	|	|	|	0.12
390.333	0.00	0.06	0.183	O	|	|	|	|	0.14	395.500	0.00	0.05	0.158	O	|	|	|	|	0.12
390.417	0.00	0.06	0.182	O	|	|	|	|	0.14	395.583	0.00	0.05	0.158	O	|	|	|	|	0.12
390.500	0.00	0.06	0.182	O	|	|	|	|	0.14	395.667	0.00	0.05	0.157	O	|	|	|	|	0.12
390.583	0.00	0.06	0.182	O	|	|	|	|	0.14	395.750	0.00	0.05	0.157	O	|	|	|	|	0.12
390.667	0.00	0.06	0.181	O	|	|	|	|	0.14	395.833	0.00	0.05	0.157	O	|	|	|	|	0.12
390.750	0.00	0.06	0.181	O	|	|	|	|	0.14	395.917	0.00	0.05	0.156	O	|	|	|	|	0.12
390.833	0.00	0.06	0.180	O	|	|	|	|	0.14	396.000	0.00	0.05	0.156	O	|	|	|	|	0.12
390.917	0.00	0.06	0.180	O	|	|	|	|	0.14	396.083	0.00	0.05	0.155	O	|	|	|	|	0.12
391.000	0.00	0.06	0.179	O	|	|	|	|	0.14	396.167	0.00	0.05	0.155	O	|	|	|	|	0.12
391.083	0.00	0.06	0.179	O	|	|	|	|	0.14	396.250	0.00	0.05	0.155	O	|	|	|	|	0.12

396.333	0.00	0.05	0.154	O					0.12	401.500	0.00	0.05	0.133	O					0.10
396.417	0.00	0.05	0.154	O					0.12	401.583	0.00	0.05	0.133	O					0.10
396.500	0.00	0.05	0.154	O					0.12	401.667	0.00	0.05	0.133	O					0.10
396.583	0.00	0.05	0.153	O					0.12	401.750	0.00	0.05	0.132	O					0.10
396.667	0.00	0.05	0.153	O					0.12	401.833	0.00	0.05	0.132	O					0.10
396.750	0.00	0.05	0.153	O					0.12	401.917	0.00	0.05	0.132	O					0.10
396.833	0.00	0.05	0.152	O					0.12	402.000	0.00	0.04	0.132	O					0.10
396.917	0.00	0.05	0.152	O					0.12	402.083	0.00	0.04	0.131	O					0.10
397.000	0.00	0.05	0.151	O					0.12	402.167	0.00	0.04	0.131	O					0.10
397.083	0.00	0.05	0.151	O					0.12	402.250	0.00	0.04	0.131	O					0.10
397.167	0.00	0.05	0.151	O					0.12	402.333	0.00	0.04	0.130	O					0.10
397.250	0.00	0.05	0.150	O					0.12	402.417	0.00	0.04	0.130	O					0.10
397.333	0.00	0.05	0.150	O					0.12	402.500	0.00	0.04	0.130	O					0.10
397.417	0.00	0.05	0.150	O					0.12	402.583	0.00	0.04	0.129	O					0.10
397.500	0.00	0.05	0.149	O					0.12	402.667	0.00	0.04	0.129	O					0.10
397.583	0.00	0.05	0.149	O					0.12	402.750	0.00	0.04	0.129	O					0.10
397.667	0.00	0.05	0.149	O					0.12	402.833	0.00	0.04	0.128	O					0.10
397.750	0.00	0.05	0.148	O					0.12	402.917	0.00	0.04	0.128	O					0.10
397.833	0.00	0.05	0.148	O					0.11	403.000	0.00	0.04	0.128	O					0.10
397.917	0.00	0.05	0.148	O					0.11	403.083	0.00	0.04	0.128	O					0.10
398.000	0.00	0.05	0.147	O					0.11	403.167	0.00	0.04	0.127	O					0.10
398.083	0.00	0.05	0.147	O					0.11	403.250	0.00	0.04	0.127	O					0.10
398.167	0.00	0.05	0.147	O					0.11	403.333	0.00	0.04	0.127	O					0.10
398.250	0.00	0.05	0.146	O					0.11	403.417	0.00	0.04	0.126	O					0.10
398.333	0.00	0.05	0.146	O					0.11	403.500	0.00	0.04	0.126	O					0.10
398.417	0.00	0.05	0.146	O					0.11	403.583	0.00	0.04	0.126	O					0.10
398.500	0.00	0.05	0.145	O					0.11	403.667	0.00	0.04	0.125	O					0.10
398.583	0.00	0.05	0.145	O					0.11	403.750	0.00	0.04	0.125	O					0.10
398.667	0.00	0.05	0.145	O					0.11	403.833	0.00	0.04	0.125	O					0.10
398.750	0.00	0.05	0.144	O					0.11	403.917	0.00	0.04	0.125	O					0.10
398.833	0.00	0.05	0.144	O					0.11	404.000	0.00	0.04	0.124	O					0.10
398.917	0.00	0.05	0.143	O					0.11	404.083	0.00	0.04	0.124	O					0.10
399.000	0.00	0.05	0.143	O					0.11	404.167	0.00	0.04	0.124	O					0.10
399.083	0.00	0.05	0.143	O					0.11	404.250	0.00	0.04	0.123	O					0.10
399.167	0.00	0.05	0.142	O					0.11	404.333	0.00	0.04	0.123	O					0.10
399.250	0.00	0.05	0.142	O					0.11	404.417	0.00	0.04	0.123	O					0.10
399.333	0.00	0.05	0.142	O					0.11	404.500	0.00	0.04	0.123	O					0.10
399.417	0.00	0.05	0.141	O					0.11	404.583	0.00	0.04	0.122	O					0.09
399.500	0.00	0.05	0.141	O					0.11	404.667	0.00	0.04	0.122	O					0.09
399.583	0.00	0.05	0.141	O					0.11	404.750	0.00	0.04	0.122	O					0.09
399.667	0.00	0.05	0.140	O					0.11	404.833	0.00	0.04	0.121	O					0.09
399.750	0.00	0.05	0.140	O					0.11	404.917	0.00	0.04	0.121	O					0.09
399.833	0.00	0.05	0.140	O					0.11	405.000	0.00	0.04	0.121	O					0.09
399.917	0.00	0.05	0.140	O					0.11	405.083	0.00	0.04	0.121	O					0.09
400.000	0.00	0.05	0.139	O					0.11	405.167	0.00	0.04	0.120	O					0.09
400.083	0.00	0.05	0.139	O					0.11	405.250	0.00	0.04	0.120	O					0.09
400.167	0.00	0.05	0.139	O					0.11	405.333	0.00	0.04	0.120	O					0.09
400.250	0.00	0.05	0.138	O					0.11	405.417	0.00	0.04	0.119	O					0.09
400.333	0.00	0.05	0.138	O					0.11	405.500	0.00	0.04	0.119	O					0.09
400.417	0.00	0.05	0.138	O					0.11	405.583	0.00	0.04	0.119	O					0.09
400.500	0.00	0.05	0.137	O					0.11	405.667	0.00	0.04	0.119	O					0.09
400.583	0.00	0.05	0.137	O					0.11	405.750	0.00	0.04	0.118	O					0.09
400.667	0.00	0.05	0.137	O					0.11	405.833	0.00	0.04	0.118	O					0.09
400.750	0.00	0.05	0.136	O					0.11	405.917	0.00	0.04	0.118	O					0.09
400.833	0.00	0.05	0.136	O					0.11	406.000	0.00	0.04	0.118	O					0.09
400.917	0.00	0.05	0.136	O					0.11	406.083	0.00	0.04	0.117	O					0.09
401.000	0.00	0.05	0.135	O					0.10	406.167	0.00	0.04	0.117	O					0.09
401.083	0.00	0.05	0.135	O					0.10	406.250	0.00	0.04	0.117	O					0.09
401.167	0.00	0.05	0.135	O					0.10	406.333	0.00	0.04	0.116	O					0.09
401.250	0.00	0.05	0.134	O					0.10	406.417	0.00	0.04	0.116	O					0.09
401.333	0.00	0.05	0.134	O					0.10	406.500	0.00	0.04	0.116	O					0.09
401.417	0.00	0.05	0.134	O					0.10	406.583	0.00	0.04	0.116	O					0.09

406.667	0.00	0.04	0.115	O	|	|	|	|	0.09	411.833	0.00	0.03	0.100	O	|	|	|	|	0.08
406.750	0.00	0.04	0.115	O	|	|	|	|	0.09	411.917	0.00	0.03	0.099	O	|	|	|	|	0.08
406.833	0.00	0.04	0.115	O	|	|	|	|	0.09	412.000	0.00	0.03	0.099	O	|	|	|	|	0.08
406.917	0.00	0.04	0.115	O	|	|	|	|	0.09	412.083	0.00	0.03	0.099	O	|	|	|	|	0.08
407.000	0.00	0.04	0.114	O	|	|	|	|	0.09	412.167	0.00	0.03	0.099	O	|	|	|	|	0.08
407.083	0.00	0.04	0.114	O	|	|	|	|	0.09	412.250	0.00	0.03	0.099	O	|	|	|	|	0.08
407.167	0.00	0.04	0.114	O	|	|	|	|	0.09	412.333	0.00	0.03	0.098	O	|	|	|	|	0.08
407.250	0.00	0.04	0.113	O	|	|	|	|	0.09	412.417	0.00	0.03	0.098	O	|	|	|	|	0.08
407.333	0.00	0.04	0.113	O	|	|	|	|	0.09	412.500	0.00	0.03	0.098	O	|	|	|	|	0.08
407.417	0.00	0.04	0.113	O	|	|	|	|	0.09	412.583	0.00	0.03	0.098	O	|	|	|	|	0.08
407.500	0.00	0.04	0.113	O	|	|	|	|	0.09	412.667	0.00	0.03	0.097	O	|	|	|	|	0.08
407.583	0.00	0.04	0.112	O	|	|	|	|	0.09	412.750	0.00	0.03	0.097	O	|	|	|	|	0.08
407.667	0.00	0.04	0.112	O	|	|	|	|	0.09	412.833	0.00	0.03	0.097	O	|	|	|	|	0.08
407.750	0.00	0.04	0.112	O	|	|	|	|	0.09	412.917	0.00	0.03	0.097	O	|	|	|	|	0.07
407.833	0.00	0.04	0.112	O	|	|	|	|	0.09	413.000	0.00	0.03	0.096	O	|	|	|	|	0.07
407.917	0.00	0.04	0.111	O	|	|	|	|	0.09	413.083	0.00	0.03	0.096	O	|	|	|	|	0.07
408.000	0.00	0.04	0.111	O	|	|	|	|	0.09	413.167	0.00	0.03	0.096	O	|	|	|	|	0.07
408.083	0.00	0.04	0.111	O	|	|	|	|	0.09	413.250	0.00	0.03	0.096	O	|	|	|	|	0.07
408.167	0.00	0.04	0.111	O	|	|	|	|	0.09	413.333	0.00	0.03	0.096	O	|	|	|	|	0.07
408.250	0.00	0.04	0.110	O	|	|	|	|	0.09	413.417	0.00	0.03	0.095	O	|	|	|	|	0.07
408.333	0.00	0.04	0.110	O	|	|	|	|	0.09	413.500	0.00	0.03	0.095	O	|	|	|	|	0.07
408.417	0.00	0.04	0.110	O	|	|	|	|	0.09	413.583	0.00	0.03	0.095	O	|	|	|	|	0.07
408.500	0.00	0.04	0.110	O	|	|	|	|	0.08	413.667	0.00	0.03	0.095	O	|	|	|	|	0.07
408.583	0.00	0.04	0.109	O	|	|	|	|	0.08	413.750	0.00	0.03	0.094	O	|	|	|	|	0.07
408.667	0.00	0.04	0.109	O	|	|	|	|	0.08	413.833	0.00	0.03	0.094	O	|	|	|	|	0.07
408.750	0.00	0.04	0.109	O	|	|	|	|	0.08	413.917	0.00	0.03	0.094	O	|	|	|	|	0.07
408.833	0.00	0.04	0.108	O	|	|	|	|	0.08	414.000	0.00	0.03	0.094	O	|	|	|	|	0.07
408.917	0.00	0.04	0.108	O	|	|	|	|	0.08	414.083	0.00	0.03	0.094	O	|	|	|	|	0.07
409.000	0.00	0.04	0.108	O	|	|	|	|	0.08	414.167	0.00	0.03	0.093	O	|	|	|	|	0.07
409.083	0.00	0.04	0.108	O	|	|	|	|	0.08	414.250	0.00	0.03	0.093	O	|	|	|	|	0.07
409.167	0.00	0.04	0.107	O	|	|	|	|	0.08	414.333	0.00	0.03	0.093	O	|	|	|	|	0.07
409.250	0.00	0.04	0.107	O	|	|	|	|	0.08	414.417	0.00	0.03	0.093	O	|	|	|	|	0.07
409.333	0.00	0.04	0.107	O	|	|	|	|	0.08	414.500	0.00	0.03	0.092	O	|	|	|	|	0.07
409.417	0.00	0.04	0.107	O	|	|	|	|	0.08	414.583	0.00	0.03	0.092	O	|	|	|	|	0.07
409.500	0.00	0.04	0.106	O	|	|	|	|	0.08	414.667	0.00	0.03	0.092	O	|	|	|	|	0.07
409.583	0.00	0.04	0.106	O	|	|	|	|	0.08	414.750	0.00	0.03	0.092	O	|	|	|	|	0.07
409.667	0.00	0.04	0.106	O	|	|	|	|	0.08	414.833	0.00	0.03	0.092	O	|	|	|	|	0.07
409.750	0.00	0.04	0.106	O	|	|	|	|	0.08	414.917	0.00	0.03	0.091	O	|	|	|	|	0.07
409.833	0.00	0.04	0.105	O	|	|	|	|	0.08	415.000	0.00	0.03	0.091	O	|	|	|	|	0.07
409.917	0.00	0.04	0.105	O	|	|	|	|	0.08	415.083	0.00	0.03	0.091	O	|	|	|	|	0.07
410.000	0.00	0.04	0.105	O	|	|	|	|	0.08	415.167	0.00	0.03	0.091	O	|	|	|	|	0.07
410.083	0.00	0.04	0.105	O	|	|	|	|	0.08	415.250	0.00	0.03	0.091	O	|	|	|	|	0.07
410.167	0.00	0.04	0.104	O	|	|	|	|	0.08	415.333	0.00	0.03	0.090	O	|	|	|	|	0.07
410.250	0.00	0.04	0.104	O	|	|	|	|	0.08	415.417	0.00	0.03	0.090	O	|	|	|	|	0.07
410.333	0.00	0.04	0.104	O	|	|	|	|	0.08	415.500	0.00	0.03	0.090	O	|	|	|	|	0.07
410.417	0.00	0.04	0.104	O	|	|	|	|	0.08	415.583	0.00	0.03	0.090	O	|	|	|	|	0.07
410.500	0.00	0.04	0.103	O	|	|	|	|	0.08	415.667	0.00	0.03	0.089	O	|	|	|	|	0.07
410.583	0.00	0.04	0.103	O	|	|	|	|	0.08	415.750	0.00	0.03	0.089	O	|	|	|	|	0.07
410.667	0.00	0.04	0.103	O	|	|	|	|	0.08	415.833	0.00	0.03	0.089	O	|	|	|	|	0.07
410.750	0.00	0.04	0.103	O	|	|	|	|	0.08	415.917	0.00	0.03	0.089	O	|	|	|	|	0.07
410.833	0.00	0.03	0.103	O	|	|	|	|	0.08	416.000	0.00	0.03	0.089	O	|	|	|	|	0.07
410.917	0.00	0.03	0.102	O	|	|	|	|	0.08	416.083	0.00	0.03	0.088	O	|	|	|	|	0.07
411.000	0.00	0.03	0.102	O	|	|	|	|	0.08	416.167	0.00	0.03	0.088	O	|	|	|	|	0.07
411.083	0.00	0.03	0.102	O	|	|	|	|	0.08	416.250	0.00	0.03	0.088	O	|	|	|	|	0.07
411.167	0.00	0.03	0.102	O	|	|	|	|	0.08	416.333	0.00	0.03	0.088	O	|	|	|	|	0.07
411.250	0.00	0.03	0.101	O	|	|	|	|	0.08	416.417	0.00	0.03	0.088	O	|	|	|	|	0.07
411.333	0.00	0.03	0.101	O	|	|	|	|	0.08	416.500	0.00	0.03	0.087	O	|	|	|	|	0.07
411.417	0.00	0.03	0.101	O	|	|	|	|	0.08	416.583	0.00	0.03	0.087	O	|	|	|	|	0.07
411.500	0.00	0.03	0.101	O	|	|	|	|	0.08	416.667	0.00	0.03	0.087	O	|	|	|	|	0.07
411.583	0.00	0.03	0.100	O	|	|	|	|	0.08										
411.667	0.00	0.03	0.100	O	|	|	|	|	0.08										
411.750	0.00	0.03	0.100	O	|	|	|	|	0.08										

Remaining water in basin = 0.09 (Ac.Ft)

```
****************************HYDROGRAPH DATA****************************
                Number of intervals =  5001
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =      195.751 (CFS)
                Total volume =     108.139 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000    40.267
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000    51.166
**********************************************************************

----------------------------------------------------------------------


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.820 to Point/Station        4.800
**** STREAM ROUTING SCS CONVEX METHOD ****
______________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    263.00 (Ft.)
Elevation difference =    8.00 (Ft.)
Slope of channel =  0.030418 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   263.00(Ft.)   Elevation difference =   8.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =    44.205(CFS)
Given pipe size =     42.00(In.)
Calculated individual pipe flow  =    44.205(CFS)
Normal flow depth in pipe =   14.37(In.)
Flow top width inside pipe =   39.85(In.)
Critical Depth =    2.07(Ft.)
Pipe flow velocity =     15.19(Ft/s)
Travel time through pipe =    0.29 min.


Pipe length  =   263.00(Ft.)   Elevation difference =   8.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =   195.751(CFS)
Given pipe size =     42.00(In.)
NOTE: Normal flow is pressure flow.
The total friction loss through the pipe is      8.000(Ft.)
Pipe friction loss =      4.063(Ft.)
Minor friction loss =      3.934(Ft.)     K-factor =   1.50
Maximum capacity of pipe(s) =  125.04(CFS)
Pipe flow velocity =     13.00(Ft/s)
Travel time through pipe =    0.34 min.


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8843   Travel time =   0.34 (min.)
        dt*(unit time interval) =   5.00(min.),  e=  11.5095
        dt(routing time-step) =   0.30 (min.),   c* =   1.0000
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Output hydrograph delayed by 0 unit time increments

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	48.9	97.9	146.8	195.8
0+ 5	0.0000	0.00	O	|	|	|	|
0+10	0.0011	0.00	O	|	|	|	|
0+15	0.0056	0.01	O	|	|	|	|
0+20	0.0142	0.01	O	|	|	|	|
0+25	0.0272	0.03	O	|	|	|	|
0+30	0.0445	0.05	O	|	|	|	|
0+35	0.0641	0.07	O	|	|	|	|
0+40	0.0846	0.09	O	|	|	|	|
0+45	0.1056	0.11	O	|	|	|	|
0+50	0.1271	0.13	O	|	|	|	|
0+55	0.1514	0.15	O	|	|	|	|
1+ 0	0.1793	0.18	O	|	|	|	|
1+ 5	0.2087	0.21	O	|	|	|	|
1+10	0.2362	0.24	O	|	|	|	|
1+15	0.2603	0.26	O	|	|	|	|
1+20	0.2827	0.28	O	|	|	|	|
1+25	0.3042	0.31	O	|	|	|	|
1+30	0.3253	0.33	O	|	|	|	|
1+35	0.3463	0.35	O	|	|	|	|
1+40	0.3671	0.37	O	|	|	|	|
1+45	0.3878	0.39	O	|	|	|	|
1+50	0.4089	0.41	O	|	|	|	|
1+55	0.4326	0.43	O	|	|	|	|
2+ 0	0.4486	0.45	O	|	|	|	|
2+ 5	0.4616	0.46	O	|	|	|	|
2+10	0.4748	0.48	O	|	|	|	|
2+15	0.4882	0.49	O	|	|	|	|
2+20	0.5016	0.50	O	|	|	|	|
2+25	0.5151	0.52	O	|	|	|	|
2+30	0.5285	0.53	O	|	|	|	|
2+35	0.5422	0.54	O	|	|	|	|
2+40	0.5570	0.56	O	|	|	|	|
2+45	0.5734	0.57	O	|	|	|	|
2+50	0.5906	0.59	O	|	|	|	|
2+55	0.6082	0.61	O	|	|	|	|
3+ 0	0.6260	0.63	O	|	|	|	|
3+ 5	0.6438	0.64	O	|	|	|	|
3+10	0.6576	0.66	O	|	|	|	|
3+15	0.6695	0.67	O	|	|	|	|
3+20	0.6814	0.68	O	|	|	|	|
3+25	0.6932	0.69	O	|	|	|	|
3+30	0.7050	0.71	O	|	|	|	|
3+35	0.7168	0.72	O	|	|	|	|
3+40	0.7286	0.73	O	|	|	|	|
3+45	0.7404	0.74	O	|	|	|	|
3+50	0.7523	0.75	O	|	|	|	|
3+55	0.7650	0.77	O	|	|	|	|
4+ 0	0.7787	0.78	O	|	|	|	|
4+ 5	0.7930	0.79	O	|	|	|	|

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14+30     125.0429    162.95  |          |          |    O     |  I       |
14+35     125.0429    163.01  |          |          |    O     |  I       |
14+40     125.0429    163.01  |          |          |    O     |  I       |
14+45     125.0429    163.00  |          |          |    O     |  I       |
14+50     125.0429    162.94  |          |          |    O     |  I       |
14+55     125.0429    162.51  |          |          |    O     |  I       |
15+ 0     125.0429    161.69  |          |          |    O     |  I       |
15+ 5     125.0429    160.74  |          |          |    O     | I        |
15+10     125.0429    159.51  |          |          |    O     | I        |
15+15     125.0429    157.99  |          |          |    O     | I        |
15+20     125.0429    156.46  |          |          |    O     |I         |
15+25     125.0429    154.74  |          |          |    O     |I         |
15+30     125.0429    152.83  |          |          |    O     |I         |
15+35     125.0429    150.77  |          |          |    O    I|          |
15+40     125.0429    147.46  |          |          |    O    I|          |
15+45     125.0429    142.80  |          |          |    O   I |          |
15+50     125.0429    138.09  |          |          |    O  I  |          |
15+55     125.0429    133.89  |          |          |    O I   |          |
16+ 0     125.0429    130.57  |          |          |    OI    |          |
16+ 5     125.0429    128.00  |          |          |    OI    |          |
16+10     125.0429    122.20  |          |          |   IO     |          |
16+15     125.0429    112.59  |          |          |  I O     |          |
16+20     125.0429    101.99  |          |         I|    O     |          |
16+25     125.0429     91.78  |          |       I  |    O     |          |
16+30     125.0429     82.39  |          |     I    |    O     |          |
16+35     125.0429     73.97  |          |    I     |    O     |          |
16+40     125.0429     66.36  |          |  I       |    O     |          |
16+45     125.0429     61.29  |          | I        |    O     |          |
16+50     125.0429     59.90  |          | I        |    O     |          |
16+55     125.0429     58.55  |          |I         |    O     |          |
17+ 0     125.0429     57.23  |          |I         |    O     |          |
17+ 5     125.0429     55.95  |          |I         |    O     |          |
17+10     125.0429     54.77  |          |I         |    O     |          |
17+15     125.0429     53.70  |          |I         |    O     |          |
17+20     125.0429     52.71  |          |I         |    O     |          |
17+25     125.0429     51.76  |          |I         |    O     |          |
17+30     125.0429     50.84  |          |I         |    O     |          |
17+35     125.0429     49.95  |          |I         |    O     |          |
17+40     125.0429     49.09  |          |I         |    O     |          |
17+45     125.0429     48.24  |         I|          |    O     |          |
17+50     125.0429     47.01  |         I|          |    O     |          |
17+55     125.0429     45.77  |         I|          |    O     |          |
18+ 0     125.0429     44.52  |         I|          |    O     |          |
18+ 5     125.0429     43.28  |        I |          |    O     |          |
18+10     125.0429     42.09  |        I |          |    O     |          |
18+15     125.0429     40.94  |        I |          |    O     |          |
18+20     125.0429     39.83  |        I |          |    O     |          |
18+25     125.0429     38.76  |       I  |          |    O     |          |
18+30     125.0429     37.74  |       I  |          |    O     |          |
18+35     125.0429     36.75  |       I  |          |    O     |          |
18+40     125.0429     35.75  |       I  |          |    O     |          |
18+45     125.0429     34.73  |       I  |          |    O     |          |
18+50     125.0429     33.71  |      I   |          |    O     |          |
18+55     125.0429     32.67  |      I   |          |    O     |          |
19+ 0     125.0429     31.60  |      I   |          |    O     |          |
19+ 5     125.0429     30.55  |      I   |          |    O     |          |
19+10     125.0429     29.58  |      I   |          |    O     |          |
19+15     125.0429     28.70  |     I    |          |    O     |          |
19+20     125.0429     27.57  |     I    |          |    O     |          |
19+25     125.0429     26.57  |     I    |          |    O     |          |
19+30     125.0429     25.72  |     I    |          |    O     |          |
19+35     125.0429     24.96  |     I    |          |    O     |          |
19+40     125.0429     24.19  |     I    |          |    O     |          |
19+45     125.0429     23.39  |     I    |          |    O     |          |
19+50     125.0429     22.58  |     I    |          |    O     |          |
19+55     125.0429     21.74  |     I    |          |    O     |          |
20+ 0     125.0429     20.84  |     I    |          |    O     |          |
20+ 5     125.0429     19.96  |     I    |          |    O     |          |
20+10     125.0429     19.17  |    I     |          |    O     |          |
20+15     125.0429     18.52  |    I     |          |    O     |          |
20+20     125.0429     17.94  |    I     |          |    O     |          |
20+25     125.0429     17.42  |    I     |          |    O     |          |
20+30     125.0429     16.93  |    I     |          |    O     |          |
20+35     125.0429     16.47  |    I     |          |    O     |          |
20+40     125.0429     16.05  |    I     |          |    O     |          |
20+45     125.0429     15.65  |    I     |          |    O     |          |
20+50     125.0429     15.26  |    I     |          |    O     |          |
20+55     125.0429     14.82  |    I     |          |    O     |          |
21+ 0     125.0429     14.32  |   I      |          |    O     |          |
21+ 5     125.0429     13.81  |   I      |          |    O     |          |
21+10     125.0429     13.39  |   I      |          |    O     |          |
21+15     125.0429     13.07  |   I      |          |    O     |          |
21+20     125.0429     12.80  |   I      |          |    O     |          |
21+25     125.0429     12.49  |   I      |          |    O     |          |
21+30     125.0429     12.12  |   I      |          |    O     |          |
21+35     125.0429     11.74  |   I      |          |    O     |          |
21+40     125.0429     11.43  |   I      |          |    O     |          |
21+45     125.0429     11.22  |   I      |          |    O     |          |
21+50     125.0429     11.06  |   I      |          |    O     |          |
21+55      50.3501     10.86  |   I      |         O|          |          |
22+ 0       0.0000    10.58  |  O I     |          |          |          |
-------------------------------------------------------------------------

      Note: For pressure channel flow, the basin storage requirements
      at the headworks of this channel =     9.79 (Ac.Ft)


      ****************************HYDROGRAPH DATA****************************
                      Number of intervals =   264
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =      125.043 (CFS)
                      Total volume =     107.278 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000    40.267
            Vol (Ac.Ft)     0.000     0.000     0.000     0.000    51.166
      *************************************************************************

      ------------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.800 to Point/Station        4.800
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ________________________________________________________________________
      From stored stream number 5 the total
      volume of      51.17 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals (CFS)
```

Time(h+m)	Add q(CFS)	Tot. Q	0	41.3	82.7	124.0	165.3
0+ 5	0.7419	0.74	Q				
0+10	3.9969	4.00	Q				
0+15	4.2007	4.21	|Q				
0+20	4.3093	4.32	|Q				
0+25	4.4252	4.45	|Q				
0+30	4.5568	4.60	|Q				
0+35	4.6425	4.71	|Q				
0+40	4.7025	4.79	|Q				
0+45	4.7505	4.86	|Q				
0+50	4.8021	4.93	|Q				
0+55	4.8946	5.05	|Q				
1+ 0	5.0152	5.19	|Q				
1+ 5	5.0877	5.30	|Q				
1+10	5.0920	5.33	|Q				
1+15	5.0525	5.31	|Q				
1+20	5.0414	5.32	|Q				
1+25	5.0440	5.35	|Q				
1+30	5.0513	5.38	|Q				
1+35	5.0624	5.41	|Q				
1+40	5.0765	5.44	|Q				
1+45	5.0926	5.48	|Q				
1+50	5.1181	5.53	|Q				
1+55	5.1855	5.62	|Q				
2+ 0	5.2807	5.73	|Q				
2+ 5	5.3374	5.80	|Q				
2+10	5.3740	5.85	|Q				
2+15	5.4023	5.89	|Q				
2+20	5.4252	5.93	|Q				
2+25	5.4443	5.96	|Q				
2+30	5.4610	5.99	|Q				
2+35	5.4868	6.03	|Q				
2+40	5.5563	6.11	|Q				
2+45	5.6548	6.23	|Q				
2+50	5.7151	6.31	|Q				
2+55	5.7551	6.36	|Q				
3+ 0	5.7858	6.41	|Q				
3+ 5	5.8097	6.45	|Q				
3+10	5.8285	6.49	|Q				
3+15	5.8439	6.51	|Q				
3+20	5.8578	6.54	|Q				
3+25	5.8712	6.56	|Q				
3+30	5.8842	6.59	|Q				
3+35	5.8969	6.61	|Q				
3+40	5.9091	6.64	|Q				
3+45	5.9212	6.66	|Q				
3+50	5.9427	6.69	|Q				
3+55	6.0074	6.77	|Q				
4+ 0	6.1006	6.88	|Q				
4+ 5	6.1554	6.95	|Q				
4+10	6.1900	7.00	|Q				
4+15	6.2158	7.03	|Q				
4+20	6.2457	7.07	|Q				
4+25	6.3154	7.15	|Q				
4+30	6.4112	7.26	|Q				
4+35	6.4677	7.33	|Q				
4+40	6.5035	7.38	|Q				
4+45	6.5305	7.42	|Q				
4+50	6.5616	7.46	|Q				
4+55	6.6322	7.55	|Q				
5+ 0	6.7292	7.66	|Q				
5+ 5	6.7673	7.71	|Q				
5+10	6.6973	7.65	|Q				
5+15	6.5603	7.53	|Q				
5+20	6.5035	7.48	|Q				
5+25	6.5263	7.52	|Q				
5+30	6.5920	7.59	|Q				
5+35	6.6388	7.65	|Q				
5+40	6.7162	7.74	|Q				
5+45	6.8183	7.86	|Q				
5+50	6.8779	7.93	|Q				
5+55	6.9136	7.98	|Q				
6+ 0	6.9385	8.02	|Q				
6+ 5	6.9669	8.06	|Q				
6+10	7.0349	8.14	|Q				
6+15	7.1286	8.25	|Q				
6+20	7.1824	8.31	|qQ				
6+25	7.2153	8.36	|qQ				
6+30	7.2393	8.40	|qQ				
6+35	7.2674	8.44	|qQ				
6+40	7.3353	8.51	|qQ				
6+45	7.4297	8.62	|qQ				
6+50	7.4850	8.69	|qQ				
6+55	7.5199	8.74	|qQ				
7+ 0	7.5461	8.77	|qQ				
7+ 5	7.5666	8.81	|qQ				
7+10	7.5829	8.83	|qQ				
7+15	7.5975	8.86	|qQ				
7+20	7.6222	8.90	|qQ				
7+25	7.6913	8.98	|qQ				
7+30	7.7894	9.09	|qQ				
7+35	7.8589	9.17	|qQ				
7+40	7.9517	9.28	|qQ				
7+45	8.0646	9.41	|qQ				
7+50	8.1420	9.50	|qQ				
7+55	8.2370	9.60	|qQ				
8+ 0	8.3496	9.73	| Q				
8+ 5	8.4505	9.85	| Q				
8+10	8.6545	10.07	| Q				
8+15	8.9398	10.37	| Q				
8+20	9.1373	10.58	| Q				
8+25	9.2635	10.73	| Q				
8+30	9.3471	10.83	| Q				
8+35	9.4321	10.93	| Q				
8+40	9.6198	11.13	| Q				
8+45	9.8930	11.42	| Q				
8+50	10.1459	11.69	| Q				
8+55	10.5782	12.14	| Q				
9+ 0	11.1369	12.72	| qQ				
9+ 5	11.5885	13.18	| qQ				
9+10	12.3754	13.99	| qQ				
9+15	13.4080	15.04	| Q				
9+20	14.0687	15.72	| Q				
9+25	14.7158	16.38	| Q				
9+30	15.4014	17.09	| qQ				
9+35	15.8769	17.58	| qQ				
9+40	16.4262	18.15	| qQ				
9+45	17.0496	18.79	| Q				
9+50	17.4882	19.25	| Q				
9+55	18.0190	19.80	| Q				
10+ 0	18.6350	20.43	| Q				

| | | |

20+25	40.2667	165.31	|	Q|	|	|	Q	25+35	0.0000	0.00	Q	|	|	|	|
20+30	40.2667	165.31	|	Q|	|	|	Q	25+40	0.0000	0.00	Q	|	|	|	|
20+35	40.2667	165.31	|	Q|	|	|	Q	25+45	0.0000	0.00	Q	|	|	|	|
20+40	40.2667	165.31	|	Q|	|	|	Q	25+50	0.0000	0.00	Q	|	|	|	|
20+45	40.2667	165.31	|	Q|	|	|	Q	25+55	0.0000	0.00	Q	|	|	|	|
20+50	40.2667	165.31	|	Q|	|	|	Q	26+ 0	0.0000	0.00	Q	|	|	|	|
20+55	40.2667	165.31	|	Q|	|	|	Q	26+ 5	0.0000	0.00	Q	|	|	|	|
21+ 0	40.2667	165.31	|	Q|	|	|	Q	26+10	0.0000	0.00	Q	|	|	|	|
21+ 5	40.2667	165.31	|	Q|	|	|	Q	26+15	0.0000	0.00	Q	|	|	|	|
21+10	40.2667	165.31	|	Q|	|	|	Q	26+20	0.0000	0.00	Q	|	|	|	|
21+15	40.2667	165.31	|	Q|	|	|	Q	26+25	0.0000	0.00	Q	|	|	|	|
21+20	40.2667	165.31	|	Q|	|	|	Q	26+30	0.0000	0.00	Q	|	|	|	|
21+25	40.2667	165.31	|	Q|	|	|	Q	26+35	0.0000	0.00	Q	|	|	|	|
21+30	40.2667	165.31	|	Q|	|	|	Q	26+40	0.0000	0.00	Q	|	|	|	|
21+35	40.2667	165.31	|	Q|	|	|	Q	26+45	0.0000	0.00	Q	|	|	|	|
21+40	40.2667	165.31	|	Q|	|	|	Q	26+50	0.0000	0.00	Q	|	|	|	|
21+45	40.2667	165.31	|	Q|	|	|	Q	26+55	0.0000	0.00	Q	|	|	|	|
21+50	40.2667	165.31	|	Q|	|	|	Q	27+ 0	0.0000	0.00	Q	|	|	|	|
21+55	40.2667	90.62	|	Q|	|Q	|	|	27+ 5	0.0000	0.00	Q	|	|	|	|
22+ 0	40.2667	40.27	|	Q|	|	|	|	27+10	0.0000	0.00	Q	|	|	|	|
22+ 5	40.2667	40.27	|	Q|	|	|	|	27+15	0.0000	0.00	Q	|	|	|	|
22+10	40.2667	40.27	|	Q|	|	|	|	27+20	0.0000	0.00	Q	|	|	|	|
22+15	40.2667	40.27	|	Q|	|	|	|	27+25	0.0000	0.00	Q	|	|	|	|
22+20	40.2667	40.27	|	Q|	|	|	|	27+30	0.0000	0.00	Q	|	|	|	|
22+25	40.2667	40.27	|	Q|	|	|	|	27+35	0.0000	0.00	Q	|	|	|	|
22+30	40.2667	40.27	|	Q|	|	|	|	27+40	0.0000	0.00	Q	|	|	|	|
22+35	40.2667	40.27	|	Q|	|	|	|	27+45	0.0000	0.00	Q	|	|	|	|
22+40	40.2667	40.27	|	Q|	|	|	|	27+50	0.0000	0.00	Q	|	|	|	|
22+45	40.2667	40.27	|	Q|	|	|	|	27+55	0.0000	0.00	Q	|	|	|	|
22+50	40.2667	40.27	|	Q|	|	|	|	28+ 0	0.0000	0.00	Q	|	|	|	|
22+55	40.2667	40.27	|	Q|	|	|	|	28+ 5	0.0000	0.00	Q	|	|	|	|
23+ 0	40.2667	40.27	|	Q|	|	|	|	28+10	0.0000	0.00	Q	|	|	|	|
23+ 5	40.2667	40.27	|	Q|	|	|	|	28+15	0.0000	0.00	Q	|	|	|	|
23+10	40.2667	40.27	|	Q|	|	|	|	28+20	0.0000	0.00	Q	|	|	|	|
23+15	40.2667	40.27	|	Q|	|	|	|	28+25	0.0000	0.00	Q	|	|	|	|
23+20	40.2667	40.27	|	Q|	|	|	|	28+30	0.0000	0.00	Q	|	|	|	|
23+25	40.2667	40.27	|	Q|	|	|	|	28+35	0.0000	0.00	Q	|	|	|	|
23+30	40.2667	40.27	|	Q|	|	|	|	28+40	0.0000	0.00	Q	|	|	|	|
23+35	40.2667	40.27	|	Q|	|	|	|	28+45	0.0000	0.00	Q	|	|	|	|
23+40	40.2667	40.27	|	Q|	|	|	|	28+50	0.0000	0.00	Q	|	|	|	|
23+45	40.2667	40.27	|	Q|	|	|	|	28+55	0.0000	0.00	Q	|	|	|	|
23+50	40.2667	40.27	|	Q|	|	|	|	29+ 0	0.0000	0.00	Q	|	|	|	|
23+55	40.2667	40.27	|	Q|	|	|	|	29+ 5	0.0000	0.00	Q	|	|	|	|
24+ 0	40.2667	40.27	|	Q|	|	|	|	29+10	0.0000	0.00	Q	|	|	|	|
24+ 5	0.0000	0.00	Q	|	|	|	|	29+15	0.0000	0.00	Q	|	|	|	|
24+10	0.0000	0.00	Q	|	|	|	|	29+20	0.0000	0.00	Q	|	|	|	|
24+15	0.0000	0.00	Q	|	|	|	|	29+25	0.0000	0.00	Q	|	|	|	|
24+20	0.0000	0.00	Q	|	|	|	|	29+30	0.0000	0.00	Q	|	|	|	|
24+25	0.0000	0.00	Q	|	|	|	|	29+35	0.0000	0.00	Q	|	|	|	|
24+30	0.0000	0.00	Q	|	|	|	|	29+40	0.0000	0.00	Q	|	|	|	|
24+35	0.0000	0.00	Q	|	|	|	|	29+45	0.0000	0.00	Q	|	|	|	|
24+40	0.0000	0.00	Q	|	|	|	|	29+50	0.0000	0.00	Q	|	|	|	|
24+45	0.0000	0.00	Q	|	|	|	|	29+55	0.0000	0.00	Q	|	|	|	|
24+50	0.0000	0.00	Q	|	|	|	|	30+ 0	0.0000	0.00	Q	|	|	|	|
24+55	0.0000	0.00	Q	|	|	|	|	30+ 5	0.0000	0.00	Q	|	|	|	|
25+ 0	0.0000	0.00	Q	|	|	|	|	30+10	0.0000	0.00	Q	|	|	|	|
25+ 5	0.0000	0.00	Q	|	|	|	|	30+15	0.0000	0.00	Q	|	|	|	|
25+10	0.0000	0.00	Q	|	|	|	|	30+20	0.0000	0.00	Q	|	|	|	|
25+15	0.0000	0.00	Q	|	|	|	|	30+25	0.0000	0.00	Q	|	|	|	|
25+20	0.0000	0.00	Q	|	|	|	|	30+30	0.0000	0.00	Q	|	|	|	|
25+25	0.0000	0.00	Q	|	|	|	|	30+35	0.0000	0.00	Q	|	|	|	|
25+30	0.0000	0.00	Q	|	|	|	|	30+40	0.0000	0.00	Q	|	|	|	|

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  30+45       0.0000      0.00  Q         |         |         |         |
  30+50       0.0000      0.00  Q         |         |         |         |
  30+55       0.0000      0.00  Q         |         |         |         |
  31+ 0       0.0000      0.00  Q         |         |         |         |
  31+ 5       0.0000      0.00  Q         |         |         |         |
  31+10       0.0000      0.00  Q         |         |         |         |
  31+15       0.0000      0.00  Q         |         |         |         |
  31+20       0.0000      0.00  Q         |         |         |         |
  31+25       0.0000      0.00  Q         |         |         |         |
  31+30       0.0000      0.00  Q         |         |         |         |
  31+35       0.0000      0.00  Q         |         |         |         |
  31+40       0.0000      0.00  Q         |         |         |         |
  31+45       0.0000      0.00  Q         |         |         |         |
  31+50       0.0000      0.00  Q         |         |         |         |
  31+55       0.0000      0.00  Q         |         |         |         |
  32+ 0       0.0000      0.00  Q         |         |         |         |
  32+ 5       0.0000      0.00  Q         |         |         |         |
  32+10       0.0000      0.00  Q         |         |         |         |
  32+15       0.0000      0.00  Q         |         |         |         |
  32+20       0.0000      0.00  Q         |         |         |         |
  32+25       0.0000      0.00  Q         |         |         |         |
  32+30       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   390
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =      165.310 (CFS)
                  Total volume =     158.444 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        4.800 to Point/Station        4.900
      **** STREAM ROUTING SCS CONVEX METHOD ****
      _____________________________________________________________________
      HYDROGRAPH STREAM ROUTING DATA:
      Length of stream =    116.00 (Ft.)
      Elevation difference =    5.00 (Ft.)
      Slope of channel =  0.043103 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =   116.00(Ft.)   Elevation difference =   5.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =    83.648(CFS)
      Nearest computed pipe diameter  =     30.00(In.)
      Calculated individual pipe flow  =    83.648(CFS)
      Normal flow depth in pipe =   24.14(In.)
      Flow top width inside pipe =   23.79(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =     19.78(Ft/s)
      Travel time through pipe =    0.10 min.


      Pipe length  =   116.00(Ft.)   Elevation difference =   5.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =   165.310(CFS)
      Nearest computed pipe diameter  =     39.00(In.)
      Calculated individual pipe flow  =   165.310(CFS)
      Normal flow depth in pipe =   30.80(In.)
      Flow top width inside pipe =   31.79(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =     23.54(Ft/s)
      Travel time through pipe =    0.08 min.


      ********************** SCS CONVEX CHANNEL ROUTING **********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.9326   Travel time =   0.08 (min.)
               dt*(unit time interval) =   5.00(min.),  e=  43.8477
               dt(routing time-step) =   0.08 (min.),   c* =   1.0000

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T   O F   S T O R M
                     R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

      ------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       41.3      82.7     124.0     165.3
------------------------------------------------------------------------------
  0+ 5       0.7306      0.74  O         |         |         |         |
  0+10       3.9481      4.00  O         |         |         |         |
  0+15       4.2032      4.21  |O        |         |         |         |
  0+20       4.3217      4.32  |O        |         |         |         |
  0+25       4.4504      4.45  |O        |         |         |         |
  0+30       4.5991      4.60  |O        |         |         |         |
  0+35       4.7050      4.71  |O        |         |         |         |
  0+40       4.7859      4.79  |O        |         |         |         |
  0+45       4.8550      4.86  |O        |         |         |         |
  0+50       4.9281      4.93  |O        |         |         |         |
  0+55       5.0442      5.05  |O        |         |         |         |
  1+ 0       5.1922      5.19  |O        |         |         |         |
  1+ 5       5.2949      5.30  |O        |         |         |         |
  1+10       5.3277      5.33  |O        |         |         |         |
  1+15       5.3130      5.31  |O        |         |         |         |
  1+20       5.3239      5.32  |O        |         |         |         |
  1+25       5.3479      5.35  |O        |         |         |         |
  1+30       5.3762      5.38  |O        |         |         |         |
  1+35       5.4081      5.41  |O        |         |         |         |
  1+40       5.4431      5.44  |O        |         |         |         |
  1+45       5.4799      5.48  |O        |         |         |         |
  1+50       5.5262      5.53  |O        |         |         |         |
  1+55       5.6167      5.62  |O        |         |         |         |
  2+ 0       5.7276      5.73  |O        |         |         |         |
  2+ 5       5.7979      5.80  |O        |         |         |         |
  2+10       5.8481      5.85  |O        |         |         |         |
  2+15       5.8898      5.89  |O        |         |         |         |
  2+20       5.9262      5.93  |O        |         |         |         |
  2+25       5.9589      5.96  |O        |         |         |         |
```

2+30	5.9891	5.99	O
2+35	6.0284	6.03	O
2+40	6.1121	6.11	O
2+45	6.2265	6.23	O
2+50	6.3045	6.31	O
2+55	6.3625	6.36	O
3+ 0	6.4111	6.41	O
3+ 5	6.4529	6.45	O
3+10	6.4856	6.49	O
3+15	6.5130	6.51	O
3+20	6.5388	6.54	O
3+25	6.5640	6.56	O
3+30	6.5888	6.59	O
3+35	6.6133	6.61	O
3+40	6.6373	6.64	O
3+45	6.6612	6.66	O
3+50	6.6944	6.69	O
3+55	6.7712	6.77	O
4+ 0	6.8777	6.88	O
4+ 5	6.9473	6.95	O
4+10	6.9946	7.00	O
4+15	7.0313	7.03	O
4+20	7.0718	7.07	O
4+25	7.1521	7.15	O
4+30	7.2596	7.26	O
4+35	7.3291	7.33	O
4+40	7.3779	7.38	O
4+45	7.4176	7.42	O
4+50	7.4615	7.46	O
4+55	7.5449	7.55	O
5+ 0	7.6556	7.66	O
5+ 5	7.7090	7.71	O
5+10	7.6541	7.65	O
5+15	7.5301	7.53	O
5+20	7.4834	7.48	O
5+25	7.5164	7.52	O
5+30	7.5936	7.59	O
5+35	7.6532	7.65	O
5+40	7.7434	7.74	O
5+45	7.8586	7.86	O
5+50	7.9310	7.93	O
5+55	7.9793	7.98	O
6+ 0	8.0166	8.02	O
6+ 5	8.0573	8.06	O
6+10	8.1376	8.14	O
6+15	8.2444	8.25	O
6+20	8.3127	8.31	O
6+25	8.3598	8.36	O
6+30	8.3958	8.40	O
6+35	8.4348	8.44	O
6+40	8.5133	8.51	O
6+45	8.6191	8.62	O
6+50	8.6871	8.69	O
6+55	8.7344	8.74	O
7+ 0	8.7729	8.77	O
7+ 5	8.8057	8.81	O
7+10	8.8338	8.83	O
7+15	8.8600	8.86	O
7+20	8.8963	8.90	O
7+25	8.9770	8.98	O
7+30	9.0877	9.09	O
7+35	9.1711	9.17	O
7+40	9.2778	9.28	O
7+45	9.4034	9.41	O
7+50	9.4945	9.50	O
7+55	9.6031	9.60	O
8+ 0	9.7298	9.73	O
8+ 5	9.8459	9.85	O
8+10	10.0642	10.07	O
8+15	10.3648	10.37	O
8+20	10.5808	10.58	O
8+25	10.7257	10.73	O
8+30	10.8276	10.83	O
8+35	10.9286	10.93	O
8+40	11.1301	11.13	O
8+45	11.4178	11.42	O
8+50	11.6871	11.69	O
8+55	12.1332	12.14	O
9+ 0	12.7064	12.72	O
9+ 5	13.1764	13.18	O
9+10	13.9757	13.99	O
9+15	15.0231	15.04	O
9+20	15.7081	15.72	O
9+25	16.3746	16.38	O
9+30	17.0793	17.09	O
9+35	17.5766	17.58	O
9+40	18.1422	18.15	O
9+45	18.7822	18.79	O
9+50	19.2416	19.25	O
9+55	19.7886	19.80	O
10+ 0	20.4212	20.43	O
10+ 5	20.4648	20.47	O
10+10	22.7953	22.83	O
10+15	25.5974	25.64	O
10+20	29.7439	29.81	O
10+25	34.5192	34.59	O
10+30	39.4072	39.48	O
10+35	44.6261	44.71	O
10+40	51.0674	51.17	O
10+45	58.2021	58.31	O
10+50	64.7839	64.88	O
10+55	71.2289	71.33	O
11+ 0	77.6838	77.78	O
11+ 5	83.9450	84.04	O
11+10	87.8138	87.87	O
11+15	89.7597	89.79	O
11+20	91.3910	91.42	O
11+25	92.9540	92.98	O
11+30	94.4706	94.49	O
11+35	95.9287	95.95	O
11+40	97.2471	97.27	O
11+45	98.3975	98.42	O
11+50	99.4571	99.47	O
11+55	100.5114	100.53	O
12+ 0	101.5931	101.61	O
12+ 5	105.3307	105.39	O
12+10	111.8039	111.90	O
12+15	119.8018	119.92	O
12+20	128.0237	128.15	O
12+25	135.9762	136.10	O
12+30	143.5051	143.62	O
12+35	150.4578	150.56	O
12+40	157.1466	157.25	O
12+45	163.7028	163.80	O

| | | |

23+10	40.2667	40.27	|	O|	|	|	|
23+15	40.2667	40.27	|	O|	|	|	|
23+20	40.2667	40.27	|	O|	|	|	|
23+25	40.2667	40.27	|	O|	|	|	|
23+30	40.2667	40.27	|	O|	|	|	|
23+35	40.2667	40.27	|	O|	|	|	|
23+40	40.2667	40.27	|	O|	|	|	|
23+45	40.2667	40.27	|	O|	|	|	|
23+50	40.2667	40.27	|	O|	|	|	|
23+55	40.2667	40.27	|	O|	|	|	|
24+ 0	40.2667	40.27	|	O|	|	|	|
24+ 5	0.6169	0.00	O	|	|	|	|
24+10	0.0000	0.00	O	|	|	|	|
24+15	0.0000	0.00	O	|	|	|	|
24+20	0.0000	0.00	O	|	|	|	|
24+25	0.0000	0.00	O	|	|	|	|
24+30	0.0000	0.00	O	|	|	|	|
24+35	0.0000	0.00	O	|	|	|	|
24+40	0.0000	0.00	O	|	|	|	|
24+45	0.0000	0.00	O	|	|	|	|
24+50	0.0000	0.00	O	|	|	|	|
24+55	0.0000	0.00	O	|	|	|	|
25+ 0	0.0000	0.00	O	|	|	|	|
25+ 5	0.0000	0.00	O	|	|	|	|
25+10	0.0000	0.00	O	|	|	|	|
25+15	0.0000	0.00	O	|	|	|	|
25+20	0.0000	0.00	O	|	|	|	|
25+25	0.0000	0.00	O	|	|	|	|
25+30	0.0000	0.00	O	|	|	|	|
25+35	0.0000	0.00	O	|	|	|	|
25+40	0.0000	0.00	O	|	|	|	|
25+45	0.0000	0.00	O	|	|	|	|
25+50	0.0000	0.00	O	|	|	|	|
25+55	0.0000	0.00	O	|	|	|	|
26+ 0	0.0000	0.00	O	|	|	|	|
26+ 5	0.0000	0.00	O	|	|	|	|
26+10	0.0000	0.00	O	|	|	|	|
26+15	0.0000	0.00	O	|	|	|	|
26+20	0.0000	0.00	O	|	|	|	|
26+25	0.0000	0.00	O	|	|	|	|
26+30	0.0000	0.00	O	|	|	|	|
26+35	0.0000	0.00	O	|	|	|	|
26+40	0.0000	0.00	O	|	|	|	|
26+45	0.0000	0.00	O	|	|	|	|
26+50	0.0000	0.00	O	|	|	|	|
26+55	0.0000	0.00	O	|	|	|	|
27+ 0	0.0000	0.00	O	|	|	|	|
27+ 5	0.0000	0.00	O	|	|	|	|
27+10	0.0000	0.00	O	|	|	|	|
27+15	0.0000	0.00	O	|	|	|	|
27+20	0.0000	0.00	O	|	|	|	|
27+25	0.0000	0.00	O	|	|	|	|
27+30	0.0000	0.00	O	|	|	|	|
27+35	0.0000	0.00	O	|	|	|	|
27+40	0.0000	0.00	O	|	|	|	|
27+45	0.0000	0.00	O	|	|	|	|
27+50	0.0000	0.00	O	|	|	|	|
27+55	0.0000	0.00	O	|	|	|	|
28+ 0	0.0000	0.00	O	|	|	|	|
28+ 5	0.0000	0.00	O	|	|	|	|
28+10	0.0000	0.00	O	|	|	|	|
28+15	0.0000	0.00	O	|	|	|	|
28+20	0.0000	0.00	O	|	|	|	|
28+25	0.0000	0.00	O	|	|	|	|
28+30	0.0000	0.00	O	|	|	|	|
28+35	0.0000	0.00	O	|	|	|	|
28+40	0.0000	0.00	O	|	|	|	|
28+45	0.0000	0.00	O	|	|	|	|
28+50	0.0000	0.00	O	|	|	|	|
28+55	0.0000	0.00	O	|	|	|	|
29+ 0	0.0000	0.00	O	|	|	|	|
29+ 5	0.0000	0.00	O	|	|	|	|
29+10	0.0000	0.00	O	|	|	|	|
29+15	0.0000	0.00	O	|	|	|	|
29+20	0.0000	0.00	O	|	|	|	|
29+25	0.0000	0.00	O	|	|	|	|
29+30	0.0000	0.00	O	|	|	|	|
29+35	0.0000	0.00	O	|	|	|	|
29+40	0.0000	0.00	O	|	|	|	|
29+45	0.0000	0.00	O	|	|	|	|
29+50	0.0000	0.00	O	|	|	|	|
29+55	0.0000	0.00	O	|	|	|	|
30+ 0	0.0000	0.00	O	|	|	|	|
30+ 5	0.0000	0.00	O	|	|	|	|
30+10	0.0000	0.00	O	|	|	|	|
30+15	0.0000	0.00	O	|	|	|	|
30+20	0.0000	0.00	O	|	|	|	|
30+25	0.0000	0.00	O	|	|	|	|
30+30	0.0000	0.00	O	|	|	|	|
30+35	0.0000	0.00	O	|	|	|	|
30+40	0.0000	0.00	O	|	|	|	|
30+45	0.0000	0.00	O	|	|	|	|
30+50	0.0000	0.00	O	|	|	|	|
30+55	0.0000	0.00	O	|	|	|	|
31+ 0	0.0000	0.00	O	|	|	|	|
31+ 5	0.0000	0.00	O	|	|	|	|
31+10	0.0000	0.00	O	|	|	|	|
31+15	0.0000	0.00	O	|	|	|	|
31+20	0.0000	0.00	O	|	|	|	|
31+25	0.0000	0.00	O	|	|	|	|
31+30	0.0000	0.00	O	|	|	|	|
31+35	0.0000	0.00	O	|	|	|	|
31+40	0.0000	0.00	O	|	|	|	|
31+45	0.0000	0.00	O	|	|	|	|
31+50	0.0000	0.00	O	|	|	|	|
31+55	0.0000	0.00	O	|	|	|	|
32+ 0	0.0000	0.00	O	|	|	|	|
32+ 5	0.0000	0.00	O	|	|	|	|
32+10	0.0000	0.00	O	|	|	|	|
32+15	0.0000	0.00	O	|	|	|	|
32+20	0.0000	0.00	O	|	|	|	|
32+25	0.0000	0.00	O	|	|	|	|
32+30	0.0000	0.00	O	|	|	|	|
32+35	0.0000	0.00	O	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 391
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 165.310 (CFS)
Total volume = 158.444 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.800 to Point/Station        4.900
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
__________________________________________________________________________
********************* HYDROGRAPH INFORMATION **********************

                  From study/file name: MESAP4G10024100.rte
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    P R I N T  O F  S T O R M
                 R u n o f f     H y d r o g r a p h
--------------------------------------------------------------------------
             Hydrograph in   5   Minute intervals (CFS)

--------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       41.5      83.1     124.6     166.1
--------------------------------------------------------------------------
  0+ 5       0.0075      0.74  Q        |         |         |         |
  0+10       0.0121      3.96  Q        |         |         |         |
  0+15       0.0122      4.22  qQ       |         |         |         |
  0+20       0.0160      4.34  qQ       |         |         |         |
  0+25       0.0183      4.47  qQ       |         |         |         |
  0+30       0.0184      4.62  qQ       |         |         |         |
  0+35       0.0184      4.72  qQ       |         |         |         |
  0+40       0.0184      4.80  qQ       |         |         |         |
  0+45       0.0184      4.87  qQ       |         |         |         |
  0+50       0.0221      4.95  qQ       |         |         |         |
  0+55       0.0244      5.07  qQ       |         |         |         |
  1+ 0       0.0245      5.22  qQ       |         |         |         |
  1+ 5       0.0207      5.32  qQ       |         |         |         |
  1+10       0.0184      5.35  qQ       |         |         |         |
  1+15       0.0184      5.33  qQ       |         |         |         |
  1+20       0.0184      5.34  qQ       |         |         |         |
  1+25       0.0184      5.37  qQ       |         |         |         |
  1+30       0.0184      5.39  qQ       |         |         |         |
  1+35       0.0184      5.43  qQ       |         |         |         |
  1+40       0.0184      5.46  qQ       |         |         |         |
  1+45       0.0184      5.50  qQ       |         |         |         |
  1+50       0.0221      5.55  qQ       |         |         |         |
  1+55       0.0244      5.64  qQ       |         |         |         |
  2+ 0       0.0245      5.75  qQ       |         |         |         |
  2+ 5       0.0245      5.82  qQ       |         |         |         |
  2+10       0.0245      5.87  qQ       |         |         |         |
  2+15       0.0245      5.91  qQ       |         |         |         |
  2+20       0.0245      5.95  qQ       |         |         |         |
  2+25       0.0245      5.98  qQ       |         |         |         |
  2+30       0.0245      6.01  qQ       |         |         |         |
  2+35       0.0282      6.06  qQ       |         |         |         |
  2+40       0.0305      6.14  qQ       |         |         |         |
  2+45       0.0306      6.26  qQ       |         |         |         |
  2+50       0.0306      6.34  qQ       |         |         |         |
  2+55       0.0306      6.39  qQ       |         |         |         |
  3+ 0       0.0306      6.44  qQ       |         |         |         |
  3+ 5       0.0306      6.48  qQ       |         |         |         |
  3+10       0.0306      6.52  qQ       |         |         |         |
  3+15       0.0306      6.54  qQ       |         |         |         |
  3+20       0.0306      6.57  qQ       |         |         |         |
  3+25       0.0306      6.59  qQ       |         |         |         |
  3+30       0.0306      6.62  qQ       |         |         |         |
  3+35       0.0306      6.64  qQ       |         |         |         |
  3+40       0.0306      6.67  qQ       |         |         |         |
  3+45       0.0306      6.69  qQ       |         |         |         |
  3+50       0.0344      6.73  qQ       |         |         |         |
  3+55       0.0366      6.81  qQ       |         |         |         |
  4+ 0       0.0367      6.91  qQ       |         |         |         |
  4+ 5       0.0367      6.98  qQ       |         |         |         |
  4+10       0.0367      7.03  qQ       |         |         |         |
  4+15       0.0367      7.07  qQ       |         |         |         |
  4+20       0.0405      7.11  qQ       |         |         |         |
  4+25       0.0428      7.19  qQ       |         |         |         |
  4+30       0.0428      7.30  qQ       |         |         |         |
  4+35       0.0428      7.37  qQ       |         |         |         |
  4+40       0.0428      7.42  qQ       |         |         |         |
  4+45       0.0428      7.46  qQ       |         |         |         |
  4+50       0.0466      7.51  qQ       |         |         |         |
  4+55       0.0489      7.59  qQ       |         |         |         |
  5+ 0       0.0490      7.70  qQ       |         |         |         |
  5+ 5       0.0415      7.75  qQ       |         |         |         |
  5+10       0.0369      7.69  qQ       |         |         |         |
  5+15       0.0367      7.57  qQ       |         |         |         |
  5+20       0.0405      7.52  qQ       |         |         |         |
  5+25       0.0428      7.56  qQ       |         |         |         |
  5+30       0.0428      7.64  qQ       |         |         |         |
  5+35       0.0466      7.70  qQ       |         |         |         |
  5+40       0.0489      7.79  qQ       |         |         |         |
  5+45       0.0490      7.91  qQ       |         |         |         |
  5+50       0.0490      7.98  qQ       |         |         |         |
  5+55       0.0490      8.03  qQ       |         |         |         |
  6+ 0       0.0490      8.07  qQ       |         |         |         |
  6+ 5       0.0527      8.11  qQ       |         |         |         |
  6+10       0.0550      8.19  qQ       |         |         |         |
  6+15       0.0551      8.30  qQ       |         |         |         |
  6+20       0.0551      8.37  q Q      |         |         |         |
  6+25       0.0551      8.41  q Q      |         |         |         |
  6+30       0.0551      8.45  q Q      |         |         |         |
  6+35       0.0588      8.49  q Q      |         |         |         |
  6+40       0.0611      8.57  q Q      |         |         |         |
  6+45       0.0612      8.68  q Q      |         |         |         |
  6+50       0.0612      8.75  q Q      |         |         |         |
  6+55       0.0612      8.80  q Q      |         |         |         |
  7+ 0       0.0612      8.83  q Q      |         |         |         |
  7+ 5       0.0612      8.87  q Q      |         |         |         |
  7+10       0.0612      8.89  q Q      |         |         |         |
  7+15       0.0612      8.92  q Q      |         |         |         |
  7+20       0.0650      8.96  q Q      |         |         |         |
  7+25       0.0672      9.04  q Q      |         |         |         |
  7+30       0.0673      9.16  q Q      |         |         |         |
  7+35       0.0711      9.24  q Q      |         |         |         |
  7+40       0.0734      9.35  q Q      |         |         |         |
  7+45       0.0735      9.48  q Q      |         |         |         |
  7+50       0.0772      9.57  q Q      |         |         |         |
  7+55       0.0795      9.68  q Q      |         |         |         |
  8+ 0       0.0796      9.81  q Q      |         |         |         |
  8+ 5       0.0871      9.93  q Q      |         |         |         |
  8+10       0.0916     10.16  q Q      |         |         |         |
  8+15       0.0918     10.46  q Q      |         |         |         |
  8+20       0.0918     10.67  q Q      |         |         |         |
  8+25       0.0918     10.82  q Q      |         |         |         |
  8+30       0.0918     10.92  q Q      |         |         |         |
  8+35       0.0956     11.02  q Q      |         |         |         |
```

8+40	0.0979	11.23	Q							13+50	0.3952	165.70							Q
8+45	0.0979	11.52	Q							13+55	0.3977	165.71							Q
8+50	0.1017	11.79	Q							14+ 0	0.4001	165.71							Q
8+55	0.1040	12.24	Q							14+ 5	0.4964	165.81							Q
9+ 0	0.1041	12.81	Q							14+10	0.5560	165.87							Q
9+ 5	0.1116	13.29	Q							14+15	0.5605	165.87							Q
9+10	0.1161	14.09	Q							14+20	0.5394	165.85							Q
9+15	0.1163	15.14	Q							14+25	0.5275	165.84							Q
9+20	0.1263	15.83	Q							14+30	0.5294	165.84							Q
9+25	0.1342	16.51	Q							14+35	0.5318	165.84							Q
9+30	0.1374	17.22	Q							14+40	0.5342	165.84							Q
9+35	0.1639	17.74	Q							14+45	0.5365	165.85							Q
9+40	0.1811	18.32	Q							14+50	0.5154	165.82							Q
9+45	0.1846	18.97	Q							14+55	0.5035	165.81							Q
9+50	0.2111	19.45	Q							15+ 0	0.5053	165.81							Q
9+55	0.2283	20.02	Q							15+ 5	0.4841	165.79							Q
10+ 0	0.2318	20.65	Q							15+10	0.4722	165.78							Q
10+ 5	0.1464	20.61	Q							15+15	0.4739	165.78							Q
10+10	0.0937	22.89	Q							15+20	0.4527	165.76							Q
10+15	0.0918	25.69	Q							15+25	0.4407	165.75							Q
10+20	0.0918	29.84	Q							15+30	0.4425	165.75							Q
10+25	0.0918	34.61	Q							15+35	0.3509	165.66							Q
10+30	0.0918	39.50	Q							15+40	0.2960	165.61							Q
10+35	0.1440	44.77	Q							15+45	0.2961	165.61							Q
10+40	0.1775	51.24	Q							15+50	0.2983	165.61							Q
10+45	0.1814	58.38	Q							15+55	0.3005	165.61							Q
10+50	0.1843	64.97	Q							16+ 0	0.3027	165.61							Q
10+55	0.1871	71.42	Q							16+ 5	0.1324	165.44							Q
11+ 0	0.1900	77.87	Q							16+10	0.0282	165.34							Q
11+ 5	0.1694	84.11	Q							16+15	0.0245	165.33							Q
11+10	0.1579	87.97	Q							16+20	0.0245	165.33							Q
11+15	0.1602	89.92	Q							16+25	0.0245	165.33							Q
11+20	0.1630	91.55	Q							16+30	0.0245	165.33							Q
11+25	0.1658	93.12	Q							16+35	0.0207	165.33							Q
11+30	0.1686	94.64	Q							16+40	0.0184	165.33							Q
11+35	0.1294	96.06	Q							16+45	0.0184	165.33							Q
11+40	0.1049	97.35	Q							16+50	0.0184	165.33							Q
11+45	0.1041	98.50	Q							16+55	0.0184	165.33							Q
11+50	0.1276	99.58	Q							17+ 0	0.0184	165.33							Q
11+55	0.1436	100.65	Q							17+ 5	0.0259	165.34							Q
12+ 0	0.1468	101.74	Q							17+10	0.0304	165.34							Q
12+ 5	0.3137	105.64	Q							17+15	0.0306	165.34							Q
12+10	0.4164	112.22	Q							17+20	0.0306	165.34							Q
12+15	0.4226	120.22	Q							17+25	0.0306	165.34							Q
12+20	0.4488	128.47	Q							17+30	0.0306	165.34							Q
12+25	0.4657	136.44	Q							17+35	0.0306	165.34							Q
12+30	0.4689	143.97	Q							17+40	0.0306	165.34							Q
12+35	0.5185	150.98	Q							17+45	0.0306	165.34							Q
12+40	0.5497	157.70	Q							17+50	0.0269	165.34							Q
12+45	0.5533	164.26	Q							17+55	0.0246	165.33							Q
12+50	0.5794	165.87	Q							18+ 0	0.0245	165.33							Q
12+55	0.5963	165.91	Q							18+ 5	0.0245	165.33							Q
13+ 0	0.5994	165.91	Q							18+10	0.0245	165.33							Q
13+ 5	0.7193	166.03	Q							18+15	0.0245	165.33							Q
13+10	0.7932	166.10	Q							18+20	0.0245	165.33							Q
13+15	0.7984	166.11	Q							18+25	0.0245	165.33							Q
13+20	0.8009	166.11	Q							18+30	0.0245	165.33							Q
13+25	0.8035	166.11	Q							18+35	0.0207	165.33							Q
13+30	0.8060	166.12	Q							18+40	0.0184	165.33							Q
13+35	0.5504	165.86	Q							18+45	0.0184	165.33							Q
13+40	0.3959	165.71	Q							18+50	0.0146	165.32							Q
13+45	0.3927	165.70	Q							18+55	0.0123	165.32							Q

19+ 0	0.0122	165.32	q	|	|	|	Q|		24+10	0.0002	0.00	Q	|	|	|	|	
19+ 5	0.0160	165.33	q	|	|	|	Q|		24+15	0.0000	0.00	Q	|	|	|	|	
19+10	0.0183	165.33	q	|	|	|	Q|		24+20	0.0000	0.00	Q	|	|	|	|	
19+15	0.0184	165.33	q	|	|	|	Q|		24+25	0.0000	0.00	Q	|	|	|	|	
19+20	0.0221	165.33	q	|	|	|	Q|		24+30	0.0000	0.00	Q	|	|	|	|	
19+25	0.0244	165.33	q	|	|	|	Q|		24+35	0.0000	0.00	Q	|	|	|	|	
19+30	0.0245	165.33	q	|	|	|	Q|		24+40	0.0000	0.00	Q	|	|	|	|	
19+35	0.0207	165.33	q	|	|	|	Q|		24+45	0.0000	0.00	Q	|	|	|	|	
19+40	0.0184	165.33	q	|	|	|	Q|		24+50	0.0000	0.00	Q	|	|	|	|	
19+45	0.0184	165.33	q	|	|	|	Q|		24+55	0.0000	0.00	Q	|	|	|	|	
19+50	0.0146	165.32	q	|	|	|	Q|		25+ 0	0.0000	0.00	Q	|	|	|	|	
19+55	0.0123	165.32	q	|	|	|	Q|		25+ 5	0.0000	0.00	Q	|	|	|	|	
20+ 0	0.0122	165.32	q	|	|	|	Q|		25+10	0.0000	0.00	Q	|	|	|	|	
20+ 5	0.0160	165.33	q	|	|	|	Q|		25+15	0.0000	0.00	Q	|	|	|	|	
20+10	0.0183	165.33	q	|	|	|	Q|		25+20	0.0000	0.00	Q	|	|	|	|	
20+15	0.0184	165.33	q	|	|	|	Q|		25+25	0.0000	0.00	Q	|	|	|	|	
20+20	0.0184	165.33	q	|	|	|	Q|		25+30	0.0000	0.00	Q	|	|	|	|	
20+25	0.0184	165.33	q	|	|	|	Q|		25+35	0.0000	0.00	Q	|	|	|	|	
20+30	0.0184	165.33	q	|	|	|	Q|		25+40	0.0000	0.00	Q	|	|	|	|	
20+35	0.0184	165.33	q	|	|	|	Q|		25+45	0.0000	0.00	Q	|	|	|	|	
20+40	0.0184	165.33	q	|	|	|	Q|		25+50	0.0000	0.00	Q	|	|	|	|	
20+45	0.0184	165.33	q	|	|	|	Q|		25+55	0.0000	0.00	Q	|	|	|	|	
20+50	0.0146	165.32	q	|	|	|	Q|		26+ 0	0.0000	0.00	Q	|	|	|	|	
20+55	0.0123	165.32	q	|	|	|	Q|		26+ 5	0.0000	0.00	Q	|	|	|	|	
21+ 0	0.0122	165.32	q	|	|	|	Q|		26+10	0.0000	0.00	Q	|	|	|	|	
21+ 5	0.0160	165.33	q	|	|	|	Q|		26+15	0.0000	0.00	Q	|	|	|	|	
21+10	0.0183	165.33	q	|	|	|	Q|		26+20	0.0000	0.00	Q	|	|	|	|	
21+15	0.0184	165.33	q	|	|	|	Q|		26+25	0.0000	0.00	Q	|	|	|	|	
21+20	0.0146	165.32	q	|	|	|	Q|		26+30	0.0000	0.00	Q	|	|	|	|	
21+25	0.0123	165.32	q	|	|	|	Q|		26+35	0.0000	0.00	Q	|	|	|	|	
21+30	0.0122	165.32	q	|	|	|	Q|		26+40	0.0000	0.00	Q	|	|	|	|	
21+35	0.0160	165.33	q	|	|	|	Q|		26+45	0.0000	0.00	Q	|	|	|	|	
21+40	0.0183	165.33	q	|	|	|	Q|		26+50	0.0000	0.00	Q	|	|	|	|	
21+45	0.0184	165.33	q	|	|	|	Q|		26+55	0.0000	0.00	Q	|	|	|	|	
21+50	0.0146	165.32	q	|	|	|	Q|		27+ 0	0.0000	0.00	Q	|	|	|	|	
21+55	0.0123	91.77	q	|	| Q	|	|		27+ 5	0.0000	0.00	Q	|	|	|	|	
22+ 0	0.0122	41.05	q	Q|	|	|	|		27+10	0.0000	0.00	Q	|	|	|	|	
22+ 5	0.0160	40.28	q	Q|	|	|	|		27+15	0.0000	0.00	Q	|	|	|	|	
22+10	0.0183	40.28	q	Q|	|	|	|		27+20	0.0000	0.00	Q	|	|	|	|	
22+15	0.0184	40.29	q	Q|	|	|	|		27+25	0.0000	0.00	Q	|	|	|	|	
22+20	0.0146	40.28	q	Q|	|	|	|		27+30	0.0000	0.00	Q	|	|	|	|	
22+25	0.0123	40.28	q	Q|	|	|	|		27+35	0.0000	0.00	Q	|	|	|	|	
22+30	0.0122	40.28	q	Q|	|	|	|		27+40	0.0000	0.00	Q	|	|	|	|	
22+35	0.0122	40.28	q	Q|	|	|	|		27+45	0.0000	0.00	Q	|	|	|	|	
22+40	0.0122	40.28	q	Q|	|	|	|		27+50	0.0000	0.00	Q	|	|	|	|	
22+45	0.0122	40.28	q	Q|	|	|	|		27+55	0.0000	0.00	Q	|	|	|	|	
22+50	0.0122	40.28	q	Q|	|	|	|		28+ 0	0.0000	0.00	Q	|	|	|	|	
22+55	0.0122	40.28	q	Q|	|	|	|		28+ 5	0.0000	0.00	Q	|	|	|	|	
23+ 0	0.0122	40.28	q	Q|	|	|	|		28+10	0.0000	0.00	Q	|	|	|	|	
23+ 5	0.0122	40.28	q	Q|	|	|	|		28+15	0.0000	0.00	Q	|	|	|	|	
23+10	0.0122	40.28	q	Q|	|	|	|		28+20	0.0000	0.00	Q	|	|	|	|	
23+15	0.0122	40.28	q	Q|	|	|	|		28+25	0.0000	0.00	Q	|	|	|	|	
23+20	0.0122	40.28	q	Q|	|	|	|		28+30	0.0000	0.00	Q	|	|	|	|	
23+25	0.0122	40.28	q	Q|	|	|	|		28+35	0.0000	0.00	Q	|	|	|	|	
23+30	0.0122	40.28	q	Q|	|	|	|		28+40	0.0000	0.00	Q	|	|	|	|	
23+35	0.0122	40.28	q	Q|	|	|	|		28+45	0.0000	0.00	Q	|	|	|	|	
23+40	0.0122	40.28	q	Q|	|	|	|		28+50	0.0000	0.00	Q	|	|	|	|	
23+45	0.0122	40.28	q	Q|	|	|	|		28+55	0.0000	0.00	Q	|	|	|	|	
23+50	0.0122	40.28	q	Q|	|	|	|		29+ 0	0.0000	0.00	Q	|	|	|	|	
23+55	0.0122	40.28	q	Q|	|	|	|		29+ 5	0.0000	0.00	Q	|	|	|	|	
24+ 0	0.0122	40.28	q	Q|	|	|	|		29+10	0.0000	0.00	Q	|	|	|	|	
24+ 5	0.0047	0.62	Q	|	|	|	|		29+15	0.0000	0.00	Q	|	|	|	|	

```
   29+20       0.0000      0.00  Q         |         |         |         |
   29+25       0.0000      0.00  Q         |         |         |         |
   29+30       0.0000      0.00  Q         |         |         |         |
   29+35       0.0000      0.00  Q         |         |         |         |
   29+40       0.0000      0.00  Q         |         |         |         |
   29+45       0.0000      0.00  Q         |         |         |         |
   29+50       0.0000      0.00  Q         |         |         |         |
   29+55       0.0000      0.00  Q         |         |         |         |
   30+ 0       0.0000      0.00  Q         |         |         |         |
   30+ 5       0.0000      0.00  Q         |         |         |         |
   30+10       0.0000      0.00  Q         |         |         |         |
   30+15       0.0000      0.00  Q         |         |         |         |
   30+20       0.0000      0.00  Q         |         |         |         |
   30+25       0.0000      0.00  Q         |         |         |         |
   30+30       0.0000      0.00  Q         |         |         |         |
   30+35       0.0000      0.00  Q         |         |         |         |
   30+40       0.0000      0.00  Q         |         |         |         |
   30+45       0.0000      0.00  Q         |         |         |         |
   30+50       0.0000      0.00  Q         |         |         |         |
   30+55       0.0000      0.00  Q         |         |         |         |
   31+ 0       0.0000      0.00  Q         |         |         |         |
   31+ 5       0.0000      0.00  Q         |         |         |         |
   31+10       0.0000      0.00  Q         |         |         |         |
   31+15       0.0000      0.00  Q         |         |         |         |
   31+20       0.0000      0.00  Q         |         |         |         |
   31+25       0.0000      0.00  Q         |         |         |         |
   31+30       0.0000      0.00  Q         |         |         |         |
   31+35       0.0000      0.00  Q         |         |         |         |
   31+40       0.0000      0.00  Q         |         |         |         |
   31+45       0.0000      0.00  Q         |         |         |         |
   31+50       0.0000      0.00  Q         |         |         |         |
   31+55       0.0000      0.00  Q         |         |         |         |
   32+ 0       0.0000      0.00  Q         |         |         |         |
   32+ 5       0.0000      0.00  Q         |         |         |         |
   32+10       0.0000      0.00  Q         |         |         |         |
   32+15       0.0000      0.00  Q         |         |         |         |
   32+20       0.0000      0.00  Q         |         |         |         |
   32+25       0.0000      0.00  Q         |         |         |         |
   32+30       0.0000      0.00  Q         |         |         |         |
   32+35       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =   391
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      166.116 (CFS)
                        Total volume =     158.694 (Ac.Ft)
                  Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                  Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                  Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------
```

ROUTING TO CP5
AREAS 5A, 5B, 5C, AND 5D
BASINS 5B,12, AND 14

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 04/15/25

MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 3 HOUR
AREAS 5A,5B,5C & 5D (CHK BASINS 12 & 14)
04/15/2025

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: 5D100CHK3100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 45
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 160.162 (CFS)
Total volume = 15.095 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 5.000 to Point/Station 5.100
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 45
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.198	3.070	0.187	0.209
2.000	0.481	4.550	0.465	0.497
3.000	0.853	5.660	0.834	0.872
4.000	1.315	6.580	1.292	1.338
5.000	1.982	7.590	1.956	2.008
6.000	2.767	8.410	2.738	2.796
7.000	3.668	9.150	3.636	3.700
8.000	4.685	9.820	4.651	4.719
9.000	5.819	10.460	5.783	5.855
10.000	7.070	11.050	7.032	7.108
11.000	8.446	14.360	8.397	8.495
12.000	9.957	16.490	9.900	10.014
13.000	11.602	18.160	11.539	11.665
14.000	13.382	112.300	12.995	13.769
15.000	15.296	283.100	14.321	16.271
16.000	17.344	503.790	15.609	19.079

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 40.0 80.08 120.12 160.16	Depth (Ft.)
0.083	2.04	0.10	0.007	O	0.03
0.167	13.67	0.89	0.057	O I	0.29
0.250	21.02	2.56	0.165	O I	0.83
0.333	22.68	3.57	0.294	O I	1.34
0.417	26.87	4.32	0.438	O I	1.85
0.500	30.24	4.91	0.603	O I	2.33
0.583	33.62	5.46	0.787	O I	2.82
0.667	33.70	5.91	0.979	O I	3.27
0.750	35.76	6.30	1.177	O I	3.70
0.833	36.98	6.68	1.382	O I	4.10
0.917	34.81	6.99	1.582	O I	4.40
1.000	34.50	7.27	1.772	O I	4.69
1.083	37.22	7.57	1.968	O I	4.98
1.167	42.27	7.81	2.189	O I	5.26
1.250	45.28	8.06	2.436	O I	5.58
1.333	46.19	8.33	2.694	O I	5.91
1.417	45.94	8.56	2.953	O I	6.21
1.500	50.92	8.79	3.227	O I	6.51
1.583	54.84	9.04	3.530	O I	6.85
1.667	54.36	9.27	3.843	O I	7.17
1.750	57.33	9.48	4.163	O I	7.49
1.833	64.49	9.71	4.516	O I	7.83
1.917	66.56	9.94	4.900	O I	8.19
2.000	65.26	10.16	5.285	O I	8.53
2.083	65.62	10.37	5.665	O I	8.86
2.167	68.82	10.57	6.055	O I	9.19
2.250	81.45	10.78	6.499	O I	9.54
2.333	93.97	11.03	7.028	O I	9.97
2.417	93.07	12.31	7.592	O I	10.38
2.500	119.72	13.85	8.235	O I	10.85
2.583	145.34	15.21	9.047	O I	11.40
2.667	160.16	16.52	9.990	O I	12.02
2.750	142.00	17.46	10.913	O I	12.58
2.833	94.13	18.25	11.604	O I	13.00
2.917	63.91	36.97	11.958	O I	13.20
3.000	49.09	42.99	12.071	OI	13.26
3.083	30.01	41.93	12.051	I O	13.25
3.167	14.49	35.87	11.937	I O	13.19
3.250	7.14	28.15	11.791	I O	13.11
3.333	3.58	21.13	11.658	I O	13.03
3.417	1.52	18.10	11.541	I O	12.96
3.500	0.65	17.98	11.424	I O	12.89
3.583	0.36	17.86	11.304	I O	12.82
3.667	0.16	17.73	11.183	I O	12.75

3.750	0.03	17.61	11.062	I	O					12.67	8.917	0.00	10.23	5.418	I	O					8.65
3.833	0.00	17.49	10.941	I	O					12.60	9.000	0.00	10.19	5.347	I	O					8.58
3.917	0.00	17.37	10.821	I	O					12.53	9.083	0.00	10.15	5.277	I	O					8.52
4.000	0.00	17.25	10.702	I	O					12.45	9.167	0.00	10.11	5.208	I	O					8.46
4.083	0.00	17.13	10.584	I	O					12.38	9.250	0.00	10.08	5.138	I	O					8.40
4.167	0.00	17.01	10.466	I	O					12.31	9.333	0.00	10.04	5.069	I	O					8.34
4.250	0.00	16.89	10.349	I	O					12.24	9.417	0.00	10.00	5.000	I	O					8.28
4.333	0.00	16.77	10.234	I	O					12.17	9.500	0.00	9.96	4.931	I	O					8.22
4.417	0.00	16.65	10.118	I	O					12.10	9.583	0.00	9.92	4.863	I	O					8.16
4.500	0.00	16.54	10.004	I	O					12.03	9.667	0.00	9.88	4.794	I	O					8.10
4.583	0.00	16.40	9.891	I	O					11.96	9.750	0.00	9.84	4.726	I	O					8.04
4.667	0.00	16.24	9.778	I	O					11.88	9.833	0.00	9.80	4.659	I	O					7.97
4.750	0.00	16.08	9.667	I	O					11.81	9.917	0.00	9.76	4.591	I	O					7.91
4.833	0.00	15.93	9.557	I	O					11.74	10.000	0.00	9.71	4.524	I	O					7.84
4.917	0.00	15.77	9.448	I	O					11.66	10.083	0.00	9.67	4.458	I	O					7.78
5.000	0.00	15.62	9.340	I	O					11.59	10.167	0.00	9.63	4.391	I	O					7.71
5.083	0.00	15.47	9.233	I	O					11.52	10.250	0.00	9.58	4.325	I	O					7.65
5.167	0.00	15.32	9.127	I	O					11.45	10.333	0.00	9.54	4.259	I	O					7.58
5.250	0.00	15.17	9.022	I	O					11.38	10.417	0.00	9.50	4.194	I	O					7.52
5.333	0.00	15.02	8.918	I	O					11.31	10.500	0.00	9.45	4.128	I	O					7.45
5.417	0.00	14.88	8.815	I	O					11.24	10.583	0.00	9.41	4.063	I	O					7.39
5.500	0.00	14.74	8.713	I	O					11.18	10.667	0.00	9.37	3.999	I	O					7.33
5.583	0.00	14.59	8.612	I	O					11.11	10.750	0.00	9.33	3.934	I	O					7.26
5.667	0.00	14.45	8.512	I	O					11.04	10.833	0.00	9.28	3.870	I	O					7.20
5.750	0.00	14.28	8.413	I	O					10.98	10.917	0.00	9.24	3.807	I	O					7.14
5.833	0.00	14.05	8.315	I	O					10.90	11.000	0.00	9.20	3.743	I	O					7.07
5.917	0.00	13.81	8.219	I	O					10.84	11.083	0.00	9.16	3.680	I	O					7.01
6.000	0.00	13.59	8.125	I	O					10.77	11.167	0.00	9.11	3.617	I	O					6.94
6.083	0.00	13.36	8.032	I	O					10.70	11.250	0.00	9.06	3.554	I	O					6.87
6.167	0.00	13.14	7.941	I	O					10.63	11.333	0.00	9.01	3.492	I	O					6.80
6.250	0.00	12.93	7.851	I	O					10.57	11.417	0.00	8.95	3.430	I	O					6.74
6.333	0.00	12.72	7.763	I	O					10.50	11.500	0.00	8.90	3.369	I	O					6.67
6.417	0.00	12.51	7.676	I	O					10.44	11.583	0.00	8.85	3.308	I	O					6.60
6.500	0.00	12.30	7.590	I	O					10.38	11.667	0.00	8.80	3.247	I	O					6.53
6.583	0.00	12.10	7.506	I	O					10.32	11.750	0.00	8.75	3.186	I	O					6.47
6.667	0.00	11.90	7.424	I	O					10.26	11.833	0.00	8.71	3.126	I	O					6.40
6.750	0.00	11.71	7.342	I	O					10.20	11.917	0.00	8.66	3.067	I	O					6.33
6.833	0.00	11.51	7.262	I	O					10.14	12.000	0.00	8.61	3.007	I	O					6.27
6.917	0.00	11.32	7.184	I	O					10.08	12.083	0.00	8.56	2.948	I	O					6.20
7.000	0.00	11.14	7.106	I	O					10.03	12.167	0.00	8.51	2.889	I	O					6.14
7.083	0.00	11.03	7.030	I	O					9.97	12.250	0.00	8.46	2.831	I	O					6.07
7.167	0.00	11.00	6.954	I	O					9.91	12.333	0.00	8.41	2.773	I	O					6.01
7.250	0.00	10.96	6.879	I	O					9.85	12.417	0.00	8.36	2.715	I	O					5.93
7.333	0.00	10.92	6.803	I	O					9.79	12.500	0.00	8.30	2.658	I	O					5.86
7.417	0.00	10.89	6.728	I	O					9.73	12.583	0.00	8.24	2.601	I	O					5.79
7.500	0.00	10.85	6.653	I	O					9.67	12.667	0.00	8.18	2.544	I	O					5.72
7.583	0.00	10.82	6.579	I	O					9.61	12.750	0.00	8.12	2.488	I	O					5.64
7.667	0.00	10.78	6.504	I	O					9.55	12.833	0.00	8.06	2.432	I	O					5.57
7.750	0.00	10.75	6.430	I	O					9.49	12.917	0.00	8.00	2.377	I	O					5.50
7.833	0.00	10.71	6.356	I	O					9.43	13.000	0.00	7.95	2.322	I	O					5.43
7.917	0.00	10.68	6.283	I	O					9.37	13.083	0.00	7.89	2.268	I	O					5.36
8.000	0.00	10.64	6.209	I	O					9.31	13.167	0.00	7.83	2.213	I	O					5.29
8.083	0.00	10.61	6.136	I	O					9.25	13.250	0.00	7.78	2.160	I	O					5.23
8.167	0.00	10.58	6.063	I	O					9.20	13.333	0.00	7.72	2.106	I	O					5.16
8.250	0.00	10.54	5.990	I	O					9.14	13.417	0.00	7.66	2.053	I	O					5.09
8.333	0.00	10.51	5.918	I	O					9.08	13.500	0.00	7.61	2.001	I	O					5.02
8.417	0.00	10.47	5.846	I	O					9.02	13.583	0.00	7.54	1.949	I	O					4.95
8.500	0.00	10.43	5.774	I	O					8.96	13.667	0.00	7.46	1.897	I	O					4.87
8.583	0.00	10.39	5.702	I	O					8.90	13.750	0.00	7.38	1.846	I	O					4.80
8.667	0.00	10.35	5.630	I	O					8.83	13.833	0.00	7.31	1.795	I	O					4.72
8.750	0.00	10.31	5.559	I	O					8.77	13.917	0.00	7.23	1.745	I	O					4.64
8.833	0.00	10.27	5.488	I	O					8.71	14.000	0.00	7.16	1.696	I	O					4.57

14.083	0.00	7.08	1.647	IO	|	|	|	|	4.50	19.250	0.00	0.28	0.018	O	|	|	|	|	0.09
14.167	0.00	7.01	1.598	IO	|	|	|	|	4.42	19.333	0.00	0.25	0.016	O	|	|	|	|	0.08
14.250	0.00	6.94	1.550	IO	|	|	|	|	4.35	19.417	0.00	0.23	0.015	O	|	|	|	|	0.07
14.333	0.00	6.86	1.502	IO	|	|	|	|	4.28	19.500	0.00	0.20	0.013	O	|	|	|	|	0.07
14.417	0.00	6.79	1.455	IO	|	|	|	|	4.21	19.583	0.00	0.18	0.012	O	|	|	|	|	0.06
14.500	0.00	6.72	1.409	IO	|	|	|	|	4.14	19.667	0.00	0.16	0.011	O	|	|	|	|	0.05
14.583	0.00	6.65	1.363	IO	|	|	|	|	4.07	19.750	0.00	0.15	0.010	O	|	|	|	|	0.05
14.667	0.00	6.58	1.317	IO	|	|	|	|	4.00	19.833	0.00	0.13	0.009	O	|	|	|	|	0.04
14.750	0.00	6.49	1.272	IO	|	|	|	|	3.91	19.917	0.00	0.12	0.008	O	|	|	|	|	0.04
14.833	0.00	6.41	1.228	IO	|	|	|	|	3.81	20.000	0.00	0.11	0.007	O	|	|	|	|	0.03
14.917	0.00	6.32	1.184	IO	|	|	|	|	3.72	20.083	0.00	0.10	0.006	O	|	|	|	|	0.03
15.000	0.00	6.23	1.141	IO	|	|	|	|	3.62	20.167	0.00	0.09	0.006	O	|	|	|	|	0.03
15.083	0.00	6.15	1.098	IO	|	|	|	|	3.53	20.250	0.00	0.08	0.005	O	|	|	|	|	0.03
15.167	0.00	6.06	1.056	IO	|	|	|	|	3.44	20.333	0.00	0.07	0.004	O	|	|	|	|	0.02
15.250	0.00	5.98	1.015	IO	|	|	|	|	3.35	20.417	0.00	0.06	0.004	O	|	|	|	|	0.02
15.333	0.00	5.90	0.974	IO	|	|	|	|	3.26	20.500	0.00	0.06	0.004	O	|	|	|	|	0.02
15.417	0.00	5.82	0.933	IO	|	|	|	|	3.17	20.583	0.00	0.05	0.003	O	|	|	|	|	0.02
15.500	0.00	5.74	0.894	IO	|	|	|	|	3.09	20.667	0.00	0.05	0.003	O	|	|	|	|	0.01
15.583	0.00	5.66	0.854	IO	|	|	|	|	3.00	20.750	0.00	0.04	0.003	O	|	|	|	|	0.01
15.667	0.00	5.55	0.816	IO	|	|	|	|	2.90	20.833	0.00	0.04	0.002	O	|	|	|	|	0.01
15.750	0.00	5.44	0.778	IO	|	|	|	|	2.80	20.917	0.00	0.03	0.002	O	|	|	|	|	0.01
15.833	0.00	5.33	0.741	IO	|	|	|	|	2.70	21.000	0.00	0.03	0.002	O	|	|	|	|	0.01
15.917	0.00	5.22	0.704	IO	|	|	|	|	2.60	21.083	0.00	0.03	0.002	O	|	|	|	|	0.01
16.000	0.00	5.11	0.669	IO	|	|	|	|	2.51	21.167	0.00	0.02	0.002	O	|	|	|	|	0.01
16.083	0.00	5.01	0.634	IO	|	|	|	|	2.41	21.250	0.00	0.02	0.001	O	|	|	|	|	0.01
16.167	0.00	4.90	0.600	O	|	|	|	|	2.32	21.333	0.00	0.02	0.001	O	|	|	|	|	0.01
16.250	0.00	4.81	0.566	O	|	|	|	|	2.23	21.417	0.00	0.02	0.001	O	|	|	|	|	0.01
16.333	0.00	4.71	0.534	O	|	|	|	|	2.14	21.500	0.00	0.02	0.001	O	|	|	|	|	0.01
16.417	0.00	4.61	0.502	O	|	|	|	|	2.06	21.583	0.00	0.01	0.001	O	|	|	|	|	0.00
16.500	0.00	4.49	0.470	O	|	|	|	|	1.96	21.667	0.00	0.01	0.001	O	|	|	|	|	0.00
16.583	0.00	4.34	0.440	O	|	|	|	|	1.85	21.750	0.00	0.01	0.001	O	|	|	|	|	0.00
16.667	0.00	4.18	0.411	O	|	|	|	|	1.75	21.833	0.00	0.01	0.001	O	|	|	|	|	0.00
16.750	0.00	4.03	0.382	O	|	|	|	|	1.65	21.917	0.00	0.01	0.001	O	|	|	|	|	0.00
16.833	0.00	3.89	0.355	O	|	|	|	|	1.55	22.000	0.00	0.01	0.001	O	|	|	|	|	0.00
16.917	0.00	3.75	0.329	O	|	|	|	|	1.46	22.083	0.00	0.01	0.000	O	|	|	|	|	0.00
17.000	0.00	3.62	0.303	O	|	|	|	|	1.37	22.167	0.00	0.01	0.000	O	|	|	|	|	0.00
17.083	0.00	3.49	0.279	O	|	|	|	|	1.29	22.250	0.00	0.01	0.000	O	|	|	|	|	0.00
17.167	0.00	3.37	0.255	O	|	|	|	|	1.20	22.333	0.00	0.01	0.000	O	|	|	|	|	0.00
17.250	0.00	3.25	0.232	O	|	|	|	|	1.12	22.417	0.00	0.00	0.000	O	|	|	|	|	0.00
17.333	0.00	3.13	0.210	O	|	|	|	|	1.04	22.500	0.00	0.00	0.000	O	|	|	|	|	0.00
17.417	0.00	2.94	0.189	O	|	|	|	|	0.96	22.583	0.00	0.00	0.000	O	|	|	|	|	0.00
17.500	0.00	2.64	0.170	O	|	|	|	|	0.86	22.667	0.00	0.00	0.000	O	|	|	|	|	0.00
17.583	0.00	2.37	0.153	O	|	|	|	|	0.77	22.750	0.00	0.00	0.000	O	|	|	|	|	0.00
17.667	0.00	2.13	0.137	O	|	|	|	|	0.69	22.833	0.00	0.00	0.000	O	|	|	|	|	0.00
17.750	0.00	1.92	0.124	O	|	|	|	|	0.62										
17.833	0.00	1.72	0.111	O	|	|	|	|	0.56										
17.917	0.00	1.55	0.100	O	|	|	|	|	0.50										
18.000	0.00	1.39	0.090	O	|	|	|	|	0.45										
18.083	0.00	1.25	0.081	O	|	|	|	|	0.41										
18.167	0.00	1.12	0.072	O	|	|	|	|	0.37										
18.250	0.00	1.01	0.065	O	|	|	|	|	0.33										
18.333	0.00	0.91	0.058	O	|	|	|	|	0.30										
18.417	0.00	0.81	0.053	O	|	|	|	|	0.27										
18.500	0.00	0.73	0.047	O	|	|	|	|	0.24										
18.583	0.00	0.66	0.042	O	|	|	|	|	0.21										
18.667	0.00	0.59	0.038	O	|	|	|	|	0.19										
18.750	0.00	0.53	0.034	O	|	|	|	|	0.17										
18.833	0.00	0.48	0.031	O	|	|	|	|	0.16										
18.917	0.00	0.43	0.028	O	|	|	|	|	0.14										
19.000	0.00	0.39	0.025	O	|	|	|	|	0.13										
19.083	0.00	0.35	0.022	O	|	|	|	|	0.11										
19.167	0.00	0.31	0.020	O	|	|	|	|	0.10										

**********HYDROGRAPH DATA**********

Number of intervals = 274
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 42.989 (CFS)
Total volume = 15.095 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 5.100 to Point/Station 5.300

**** STREAM ROUTING SCS CONVEX METHOD ****

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_____________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    728.00 (Ft.)
Elevation difference =   30.00 (Ft.)
Slope of channel =  0.041209 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   728.00(Ft.)   Elevation difference =  30.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =    12.409(CFS)
Given pipe size =     48.00(In.)
Calculated individual pipe flow  =    12.409(CFS)
Normal flow depth in pipe =    6.75(In.)
Flow top width inside pipe =   33.37(In.)
Critical Depth =    1.03(Ft.)
Pipe flow velocity =     11.52(Ft/s)
Travel time through pipe =    1.05 min.


Pipe length  =   728.00(Ft.)   Elevation difference =  30.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =    42.989(CFS)
Given pipe size =     48.00(In.)
Calculated individual pipe flow  =    42.989(CFS)
Normal flow depth in pipe =   12.46(In.)
Flow top width inside pipe =   42.08(In.)
Critical Depth =    1.96(Ft.)
Pipe flow velocity =     16.61(Ft/s)
Travel time through pipe =    0.73 min.


********************** SCS CONVEX CHANNEL ROUTING *********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.9071   Travel time =   0.73 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   5.3633
        dt(routing time-step) =   0.66 (min.),   c* =   1.0000

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
              R u n o f f     H y d r o g r a p h
-----------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

-----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       10.7      21.5      32.2      43.0
-----------------------------------------------------------------------
  0+ 5       0.0898      0.10  O         |         |         |         |
  0+10       0.7851      0.89  O         |         |         |         |
  0+15       2.3360      2.56  | O       |         |         |         |
  0+20       3.4389      3.57  |  O      |         |         |         |
  0+25       4.2243      4.32  |  OI     |         |         |         |
  0+30       4.8346      4.91  |   O     |         |         |         |
  0+35       5.3894      5.46  |    O    |         |         |         |
  0+40       5.8521      5.91  |    O    |         |         |         |
  0+45       6.2522      6.30  |    O    |         |         |         |
  0+50       6.6319      6.68  |     O   |         |         |         |
  0+55       6.9449      6.99  |     O   |         |         |         |
  1+ 0       7.2341      7.27  |     O   |         |         |         |
  1+ 5       7.5294      7.57  |      O  |         |         |         |
  1+10       7.7745      7.81  |      O  |         |         |         |
  1+15       8.0296      8.06  |      O  |         |         |         |
  1+20       8.2980      8.33  |      O  |         |         |         |
  1+25       8.5325      8.56  |      O  |         |         |         |
  1+30       8.7579      8.79  |       O |         |         |         |
  1+35       9.0035      9.04  |       O |         |         |         |
  1+40       9.2348      9.27  |       O |         |         |         |
  1+45       9.4480      9.48  |       O |         |         |         |
  1+50       9.6780      9.71  |        O|         |         |         |
  1+55       9.9104      9.94  |        O|         |         |         |
  2+ 0      10.1296     10.16  |        O|         |         |         |
  2+ 5      10.3444     10.37  |        O|         |         |         |
  2+10      10.5451     10.57  |        O|         |         |         |
  2+15      10.7531     10.78  |         O         |         |         |
  2+20      10.9972     11.03  |         O         |         |         |
  2+25      12.1366     12.31  |         |O        |         |         |
  2+30      13.6467     13.85  |         | O       |         |         |
  2+35      15.0279     15.21  |         |  OI     |         |         |
  2+40      16.3491     16.52  |         |    O    |         |         |
  2+45      17.3368     17.46  |         |     O   |         |         |
  2+50      18.1419     18.25  |         |     O   |         |         |
  2+55      34.4896     36.97  |         |         |         | O I     |
  3+ 0      42.1914     42.99  |         |         |         |        OI
  3+ 5      42.0701     41.93  |         |         |         |        O|
  3+10      36.6693     35.87  |         |         |         |  IO     |
  3+15      29.1698     28.15  |         |         |     IO  |         |
  3+20      22.0563     21.13  |         |         IO        |         |
  3+25      18.4990     18.10  |         |      IO |         |         |
  3+30      17.9948     17.98  |         |      O  |         |         |
  3+35      17.8735     17.86  |         |      O  |         |         |
  3+40      17.7510     17.73  |         |      O  |         |         |
  3+45      17.6281     17.61  |         |      O  |         |         |
  3+50      17.5055     17.49  |         |      O  |         |         |
  3+55      17.3836     17.37  |         |      O  |         |         |
  4+ 0      17.2624     17.25  |         |      O  |         |         |
  4+ 5      17.1422     17.13  |         |     O   |         |         |
  4+10      17.0227     17.01  |         |     O   |         |         |
  4+15      16.9041     16.89  |         |     O   |         |         |
  4+20      16.7864     16.77  |         |     O   |         |         |
  4+25      16.6694     16.65  |         |     O   |         |         |
  4+30      16.5533     16.54  |         |     O   |         |         |
  4+35      16.4153     16.40  |         |     O   |         |         |
  4+40      16.2592     16.24  |         |     O   |         |         |
  4+45      16.1021     16.08  |         |    O    |         |         |
  4+50      15.9465     15.93  |         |    O    |         |         |
  4+55      15.7925     15.77  |         |    O    |         |         |
  5+ 0      15.6399     15.62  |         |    O    |         |         |
  5+ 5      15.4888     15.47  |         |    O    |         |         |
  5+10      15.3391     15.32  |         |    O    |         |         |
  5+15      15.1909     15.17  |         |    O    |         |         |
  5+20      15.0442     15.02  |         |   O     |         |         |
  5+25      14.8988     14.88  |         |   O     |         |         |
  5+30      14.7549     14.74  |         |   O     |         |         |
  5+35      14.6123     14.59  |         |   O     |         |         |
  5+40      14.4711     14.45  |         |   O     |         |         |
  5+45      14.3026     14.28  |         |   O     |         |         |
```

5+50	14.0762	14.05	|	| O	|	|	|	11+ 0	9.2050	9.20	|	O |	|	|	|
5+55	13.8449	13.81	|	| O	|	|	|	11+ 5	9.1633	9.16	|	O |	|	|	|
6+ 0	13.6175	13.59	|	| O	|	|	|	11+10	9.1147	9.11	|	O |	|	|	|
6+ 5	13.3937	13.36	|	| O	|	|	|	11+15	9.0635	9.06	|	O |	|	|	|
6+10	13.1736	13.14	|	| O	|	|	|	11+20	9.0124	9.01	|	O |	|	|	|
6+15	12.9572	12.93	|	| O	|	|	|	11+25	8.9615	8.95	|	O |	|	|	|
6+20	12.7443	12.72	|	|O	|	|	|	11+30	8.9110	8.90	|	O |	|	|	|
6+25	12.5349	12.51	|	|O	|	|	|	11+35	8.8607	8.85	|	O |	|	|	|
6+30	12.3289	12.30	|	|O	|	|	|	11+40	8.8108	8.80	|	O |	|	|	|
6+35	12.1264	12.10	|	|O	|	|	|	11+45	8.7611	8.75	|	O |	|	|	|
6+40	11.9271	11.90	|	|O	|	|	|	11+50	8.7116	8.71	|	O |	|	|	|
6+45	11.7311	11.71	|	O |	|	|	|	11+55	8.6625	8.66	|	O |	|	|	|
6+50	11.5384	11.51	|	O |	|	|	|	12+ 0	8.6136	8.61	|	O |	|	|	|
6+55	11.3488	11.32	|	O |	|	|	|	12+ 5	8.5651	8.56	|	O |	|	|	|
7+ 0	11.1623	11.14	|	O |	|	|	|	12+10	8.5168	8.51	|	O |	|	|	|
7+ 5	11.0453	11.03	|	O |	|	|	|	12+15	8.4687	8.46	|	O |	|	|	|
7+10	11.0002	11.00	|	O |	|	|	|	12+20	8.4209	8.41	|	O |	|	|	|
7+15	10.9645	10.96	|	O |	|	|	|	12+25	8.3634	8.36	|	O |	|	|	|
7+20	10.9289	10.92	|	O |	|	|	|	12+30	8.3036	8.30	|	O |	|	|	|
7+25	10.8935	10.89	|	O |	|	|	|	12+35	8.2441	8.24	|	O |	|	|	|
7+30	10.8582	10.85	|	O |	|	|	|	12+40	8.1850	8.18	|	O |	|	|	|
7+35	10.8229	10.82	|	O |	|	|	|	12+45	8.1263	8.12	|	O |	|	|	|
7+40	10.7879	10.78	|	O |	|	|	|	12+50	8.0681	8.06	|	O |	|	|	|
7+45	10.7529	10.75	|	O |	|	|	|	12+55	8.0102	8.00	|	O |	|	|	|
7+50	10.7180	10.71	|	O|	|	|	|	13+ 0	7.9528	7.95	|	O |	|	|	|
7+55	10.6832	10.68	|	O|	|	|	|	13+ 5	7.8958	7.89	|	O |	|	|	|
8+ 0	10.6486	10.64	|	O|	|	|	|	13+10	7.8392	7.83	|	O |	|	|	|
8+ 5	10.6141	10.61	|	O|	|	|	|	13+15	7.7830	7.78	|	O |	|	|	|
8+10	10.5796	10.58	|	O|	|	|	|	13+20	7.7272	7.72	|	O |	|	|	|
8+15	10.5453	10.54	|	O|	|	|	|	13+25	7.6718	7.66	|	O |	|	|	|
8+20	10.5111	10.51	|	O|	|	|	|	13+30	7.6168	7.61	|	O |	|	|	|
8+25	10.4771	10.47	|	O|	|	|	|	13+35	7.5486	7.54	|	O |	|	|	|
8+30	10.4394	10.43	|	O|	|	|	|	13+40	7.4715	7.46	|	O |	|	|	|
8+35	10.3993	10.39	|	O|	|	|	|	13+45	7.3940	7.38	|	O |	|	|	|
8+40	10.3589	10.35	|	O|	|	|	|	13+50	7.3173	7.31	|	O |	|	|	|
8+45	10.3187	10.31	|	O|	|	|	|	13+55	7.2413	7.23	|	O |	|	|	|
8+50	10.2787	10.27	|	O|	|	|	|	14+ 0	7.1662	7.16	|	O |	|	|	|
8+55	10.2388	10.23	|	O|	|	|	|	14+ 5	7.0919	7.08	|	O |	|	|	|
9+ 0	10.1991	10.19	|	O|	|	|	|	14+10	7.0183	7.01	|	O |	|	|	|
9+ 5	10.1595	10.15	|	O|	|	|	|	14+15	6.9455	6.94	|	O |	|	|	|
9+10	10.1201	10.11	|	O|	|	|	|	14+20	6.8734	6.86	|	O |	|	|	|
9+15	10.0809	10.08	|	O|	|	|	|	14+25	6.8021	6.79	|	O |	|	|	|
9+20	10.0418	10.04	|	O|	|	|	|	14+30	6.7316	6.72	|	O |	|	|	|
9+25	10.0028	10.00	|	O|	|	|	|	14+35	6.6617	6.65	|	O |	|	|	|
9+30	9.9640	9.96	|	O|	|	|	|	14+40	6.5926	6.58	|	O |	|	|	|
9+35	9.9254	9.92	|	O|	|	|	|	14+45	6.5066	6.49	|	O |	|	|	|
9+40	9.8868	9.88	|	O|	|	|	|	14+50	6.4181	6.41	|	O |	|	|	|
9+45	9.8485	9.84	|	O|	|	|	|	14+55	6.3307	6.32	|	O |	|	|	|
9+50	9.8082	9.80	|	O|	|	|	|	15+ 0	6.2445	6.23	|	O |	|	|	|
9+55	9.7643	9.76	|	O|	|	|	|	15+ 5	6.1594	6.15	|	O |	|	|	|
10+ 0	9.7201	9.71	|	O|	|	|	|	15+10	6.0755	6.06	|	O |	|	|	|
10+ 5	9.6761	9.67	|	IO|	|	|	|	15+15	5.9928	5.98	|	O |	|	|	|
10+10	9.6323	9.63	|	O |	|	|	|	15+20	5.9111	5.90	|	O |	|	|	|
10+15	9.5887	9.58	|	O |	|	|	|	15+25	5.8306	5.82	|	O |	|	|	|
10+20	9.5452	9.54	|	O |	|	|	|	15+30	5.7512	5.74	|	O |	|	|	|
10+25	9.5020	9.50	|	O |	|	|	|	15+35	5.6729	5.66	|	O |	|	|	|
10+30	9.4590	9.45	|	O |	|	|	|	15+40	5.5636	5.55	|	O |	|	|	|
10+35	9.4162	9.41	|	O |	|	|	|	15+45	5.4506	5.44	|	O |	|	|	|
10+40	9.3736	9.37	|	O |	|	|	|	15+50	5.3398	5.33	|	O |	|	|	|
10+45	9.3311	9.33	|	O |	|	|	|	15+55	5.2311	5.22	|	O |	|	|	|
10+50	9.2889	9.28	|	O |	|	|	|	16+ 0	5.1247	5.11	|	O |	|	|	|
10+55	9.2469	9.24	|	O |	|	|	|	16+ 5	5.0205	5.01	|	O |	|	|	|

16+10	4.9184	4.90	| O |	|	|	|	|
16+15	4.8183	4.81	| O |	|	|	|	|
16+20	4.7203	4.71	| O |	|	|	|	|
16+25	4.6243	4.61	| O |	|	|	|	|
16+30	4.5096	4.49	| O |	|	|	|	|
16+35	4.3561	4.34	| O |	|	|	|	|
16+40	4.2020	4.18	| O |	|	|	|	|
16+45	4.0533	4.03	| O |	|	|	|	|
16+50	3.9099	3.89	| O |	|	|	|	|
16+55	3.7716	3.75	| O |	|	|	|	|
17+ 0	3.6381	3.62	| O |	|	|	|	|
17+ 5	3.5094	3.49	| O |	|	|	|	|
17+10	3.3852	3.37	| O |	|	|	|	|
17+15	3.2655	3.25	| O |	|	|	|	|
17+20	3.1499	3.13	| O |	|	|	|	|
17+25	2.9637	2.94	| O |	|	|	|	|
17+30	2.6793	2.64	| O |	|	|	|	|
17+35	2.4077	2.37	| O |	|	|	|	|
17+40	2.1636	2.13	|IO |	|	|	|	|
17+45	1.9443	1.92	|O |	|	|	|	|
17+50	1.7472	1.72	|O |	|	|	|	|
17+55	1.5701	1.55	|O |	|	|	|	|
18+ 0	1.4109	1.39	|O |	|	|	|	|
18+ 5	1.2679	1.25	|O |	|	|	|	|
18+10	1.1394	1.12	|O |	|	|	|	|
18+15	1.0239	1.01	O |	|	|	|	|
18+20	0.9201	0.91	O |	|	|	|	|
18+25	0.8268	0.81	O |	|	|	|	|
18+30	0.7430	0.73	O |	|	|	|	|
18+35	0.6677	0.66	O |	|	|	|	|
18+40	0.6000	0.59	O |	|	|	|	|
18+45	0.5392	0.53	O |	|	|	|	|
18+50	0.4845	0.48	O |	|	|	|	|
18+55	0.4354	0.43	O |	|	|	|	|
19+ 0	0.3913	0.39	O |	|	|	|	|
19+ 5	0.3516	0.35	O |	|	|	|	|
19+10	0.3160	0.31	O |	|	|	|	|
19+15	0.2839	0.28	O |	|	|	|	|
19+20	0.2551	0.25	O |	|	|	|	|
19+25	0.2293	0.23	O |	|	|	|	|
19+30	0.2060	0.20	O |	|	|	|	|
19+35	0.1852	0.18	O |	|	|	|	|
19+40	0.1664	0.16	O |	|	|	|	|
19+45	0.1495	0.15	O |	|	|	|	|
19+50	0.1344	0.13	O |	|	|	|	|
19+55	0.1207	0.12	O |	|	|	|	|
20+ 0	0.1085	0.11	O |	|	|	|	|
20+ 5	0.0975	0.10	O |	|	|	|	|
20+10	0.0876	0.09	O |	|	|	|	|
20+15	0.0787	0.08	O |	|	|	|	|
20+20	0.0708	0.07	O |	|	|	|	|
20+25	0.0636	0.06	O |	|	|	|	|
20+30	0.0571	0.06	O |	|	|	|	|
20+35	0.0513	0.05	O |	|	|	|	|
20+40	0.0461	0.05	O |	|	|	|	|
20+45	0.0415	0.04	O |	|	|	|	|
20+50	0.0373	0.04	O |	|	|	|	|
20+55	0.0335	0.03	O |	|	|	|	|
21+ 0	0.0301	0.03	O |	|	|	|	|
21+ 5	0.0270	0.03	O |	|	|	|	|
21+10	0.0243	0.02	O |	|	|	|	|
21+15	0.0218	0.02	O |	|	|	|	|
21+20	0.0196	0.02	O |	|	|	|	|
21+25	0.0176	0.02	O |	|	|	|	|
21+30	0.0158	0.02	O |	|	|	|	|
21+35	0.0142	0.01	O |	|	|	|	|
21+40	0.0128	0.01	O |	|	|	|	|
21+45	0.0115	0.01	O |	|	|	|	|
21+50	0.0103	0.01	O |	|	|	|	|
21+55	0.0093	0.01	O |	|	|	|	|
22+ 0	0.0083	0.01	O |	|	|	|	|
22+ 5	0.0075	0.01	O |	|	|	|	|
22+10	0.0067	0.01	O |	|	|	|	|
22+15	0.0061	0.01	O |	|	|	|	|
22+20	0.0054	0.01	O |	|	|	|	|
22+25	0.0049	0.00	O |	|	|	|	|
22+30	0.0044	0.00	O |	|	|	|	|
22+35	0.0039	0.00	O |	|	|	|	|
22+40	0.0035	0.00	O |	|	|	|	|
22+45	0.0032	0.00	O |	|	|	|	|
22+50	0.0029	0.00	O |	|	|	|	|
22+55	0.0000	0.00	O |	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 275
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 42.191 (CFS)
Total volume = 15.095 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

Process from Point/Station 5.100 to Point/Station 5.300
**** FLOWBY BASIN ROUTING OR SPLIT FLOW ****

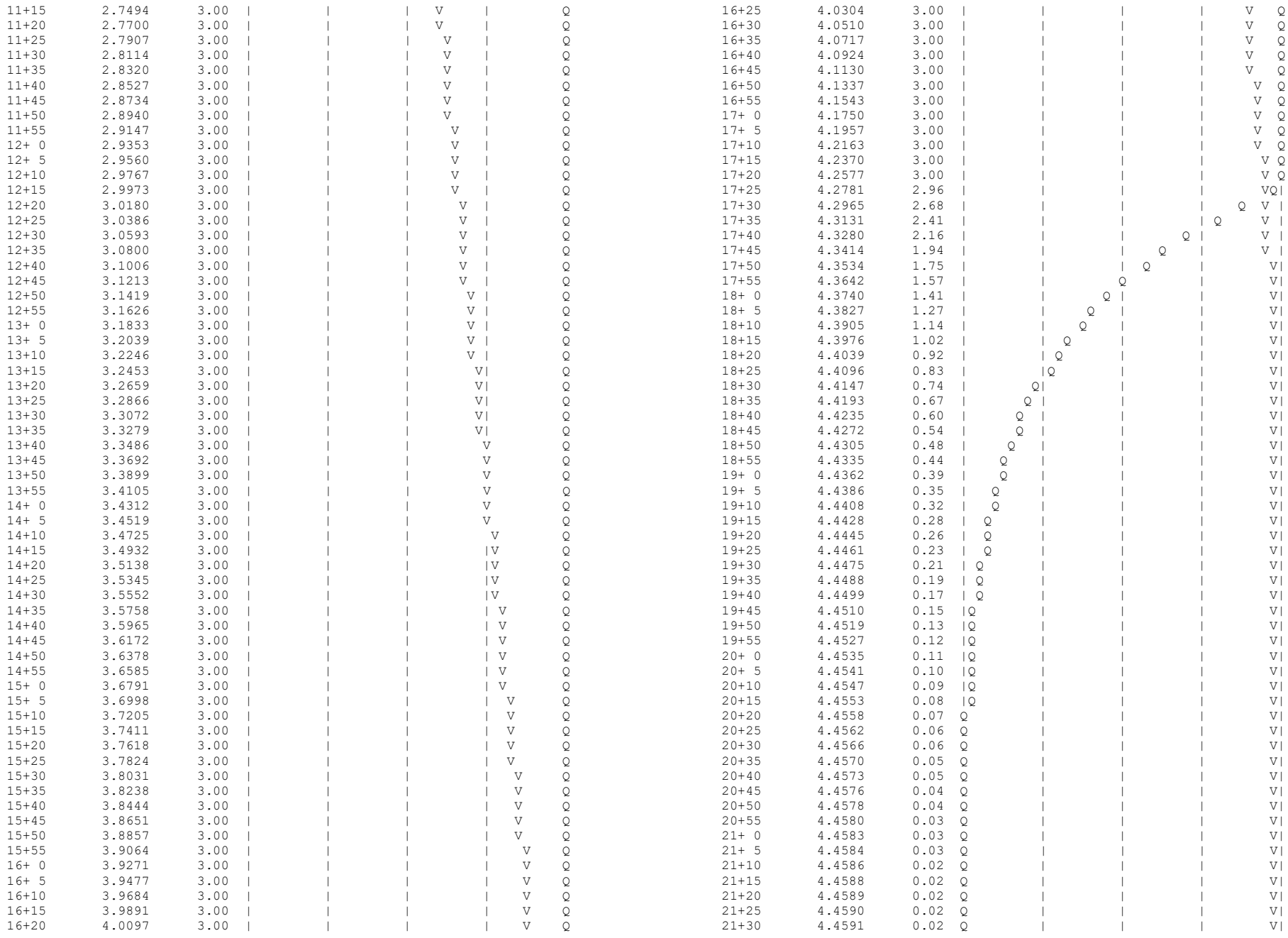
All flow in excess of 3.00(CFS) is diverted
into stream number 4
Total volume of excess flow diverted into flowby
basin (stream number 4) is 10.63(Ac.Ft)

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Volume(Ac.Ft)	Q(CFS)	0	0.8	1.5	2.3	3.0
0+ 5	0.0006	0.09	VQ |	|	|	|	|
0+10	0.0060	0.79	V |	Q |	|	|	|
0+15	0.0221	2.34	V |	|	|	|Q |	|
0+20	0.0428	3.00	V |	|	|	|	Q
0+25	0.0634	3.00	V |	|	|	|	Q
0+30	0.0841	3.00	V |	|	|	|	Q
0+35	0.1048	3.00	V |	|	|	|	Q
0+40	0.1254	3.00	V |	|	|	|	Q
0+45	0.1461	3.00	|V |	|	|	|	Q
0+50	0.1667	3.00	|V |	|	|	|	Q

0+55	0.1874	3.00	V				Q	6+ 5	1.4684	3.00			V				Q
1+ 0	0.2081	3.00	V				Q	6+10	1.4891	3.00			V				Q
1+ 5	0.2287	3.00	V				Q	6+15	1.5097	3.00			V				Q
1+10	0.2494	3.00	V				Q	6+20	1.5304	3.00			V				Q
1+15	0.2700	3.00	V				Q	6+25	1.5510	3.00			V				Q
1+20	0.2907	3.00	V				Q	6+30	1.5717	3.00			V				Q
1+25	0.3114	3.00	V				Q	6+35	1.5924	3.00			V				Q
1+30	0.3320	3.00	V				Q	6+40	1.6130	3.00			V				Q
1+35	0.3527	3.00	V				Q	6+45	1.6337	3.00			V				Q
1+40	0.3734	3.00	V				Q	6+50	1.6543	3.00			V				Q
1+45	0.3940	3.00	V				Q	6+55	1.6750	3.00			V				Q
1+50	0.4147	3.00	V				Q	7+ 0	1.6957	3.00			V				Q
1+55	0.4353	3.00	V				Q	7+ 5	1.7163	3.00			V				Q
2+ 0	0.4560	3.00	V				Q	7+10	1.7370	3.00			V				Q
2+ 5	0.4767	3.00	V				Q	7+15	1.7577	3.00			V				Q
2+10	0.4973	3.00	V				Q	7+20	1.7783	3.00			V				Q
2+15	0.5180	3.00	V				Q	7+25	1.7990	3.00			V				Q
2+20	0.5386	3.00	V				Q	7+30	1.8196	3.00			V				Q
2+25	0.5593	3.00	V				Q	7+35	1.8403	3.00			V				Q
2+30	0.5800	3.00	V				Q	7+40	1.8610	3.00			V				Q
2+35	0.6006	3.00	V				Q	7+45	1.8816	3.00			V				Q
2+40	0.6213	3.00	V				Q	7+50	1.9023	3.00			V				Q
2+45	0.6419	3.00	V				Q	7+55	1.9229	3.00			V				Q
2+50	0.6626	3.00	V				Q	8+ 0	1.9436	3.00			V				Q
2+55	0.6833	3.00	V				Q	8+ 5	1.9643	3.00			V				Q
3+ 0	0.7039	3.00	V				Q	8+10	1.9849	3.00			V				Q
3+ 5	0.7246	3.00	V				Q	8+15	2.0056	3.00			V				Q
3+10	0.7453	3.00	V				Q	8+20	2.0262	3.00			V				Q
3+15	0.7659	3.00	V				Q	8+25	2.0469	3.00			V				Q
3+20	0.7866	3.00	V				Q	8+30	2.0676	3.00			V				Q
3+25	0.8072	3.00	V				Q	8+35	2.0882	3.00			V				Q
3+30	0.8279	3.00	V				Q	8+40	2.1089	3.00			V				Q
3+35	0.8486	3.00	V				Q	8+45	2.1296	3.00			V				Q
3+40	0.8692	3.00	V				Q	8+50	2.1502	3.00			V				Q
3+45	0.8899	3.00	V				Q	8+55	2.1709	3.00			V				Q
3+50	0.9105	3.00	V				Q	9+ 0	2.1915	3.00			V				Q
3+55	0.9312	3.00	V				Q	9+ 5	2.2122	3.00			V				Q
4+ 0	0.9519	3.00	V				Q	9+10	2.2329	3.00			V				Q
4+ 5	0.9725	3.00	V				Q	9+15	2.2535	3.00			V				Q
4+10	0.9932	3.00	V				Q	9+20	2.2742	3.00			V				Q
4+15	1.0138	3.00	V				Q	9+25	2.2948	3.00			V				Q
4+20	1.0345	3.00	V				Q	9+30	2.3155	3.00			V				Q
4+25	1.0552	3.00	V				Q	9+35	2.3362	3.00			V				Q
4+30	1.0758	3.00	V				Q	9+40	2.3568	3.00			V				Q
4+35	1.0965	3.00	V				Q	9+45	2.3775	3.00			V				Q
4+40	1.1172	3.00	V				Q	9+50	2.3981	3.00			V				Q
4+45	1.1378	3.00	V				Q	9+55	2.4188	3.00			V				Q
4+50	1.1585	3.00	V				Q	10+ 0	2.4395	3.00			V				Q
4+55	1.1791	3.00	V				Q	10+ 5	2.4601	3.00			V				Q
5+ 0	1.1998	3.00	V				Q	10+10	2.4808	3.00			V				Q
5+ 5	1.2205	3.00	V				Q	10+15	2.5015	3.00			V				Q
5+10	1.2411	3.00	V				Q	10+20	2.5221	3.00			V				Q
5+15	1.2618	3.00	V				Q	10+25	2.5428	3.00			V				Q
5+20	1.2824	3.00	V				Q	10+30	2.5634	3.00			V				Q
5+25	1.3031	3.00	V				Q	10+35	2.5841	3.00			V				Q
5+30	1.3238	3.00	V				Q	10+40	2.6048	3.00			V				Q
5+35	1.3444	3.00	V				Q	10+45	2.6254	3.00			V				Q
5+40	1.3651	3.00	V				Q	10+50	2.6461	3.00			V				Q
5+45	1.3857	3.00	V				Q	10+55	2.6667	3.00			V				Q
5+50	1.4064	3.00	V				Q	11+ 0	2.6874	3.00			V				Q
5+55	1.4271	3.00	V				Q	11+ 5	2.7081	3.00			V				Q
6+ 0	1.4477	3.00	V				Q	11+10	2.7287	3.00			V				Q



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 21+35       4.4592      0.01  Q         |         |         |        V|
 21+40       4.4593      0.01  Q         |         |         |        V|
 21+45       4.4594      0.01  Q         |         |         |        V|
 21+50       4.4595      0.01  Q         |         |         |        V|
 21+55       4.4595      0.01  Q         |         |         |        V|
 22+ 0       4.4596      0.01  Q         |         |         |        V|
 22+ 5       4.4596      0.01  Q         |         |         |        V|
 22+10       4.4597      0.01  Q         |         |         |        V|
 22+15       4.4597      0.01  Q         |         |         |        V|
 22+20       4.4598      0.01  Q         |         |         |        V|
 22+25       4.4598      0.00  Q         |         |         |        V|
 22+30       4.4598      0.00  Q         |         |         |        V|
 22+35       4.4598      0.00  Q         |         |         |        V|
 22+40       4.4599      0.00  Q         |         |         |        V|
 22+45       4.4599      0.00  Q         |         |         |        V|
 22+50       4.4599      0.00  Q         |         |         |        V|
 22+55       4.4599      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   275
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        3.000 (CFS)
                  Total volume =       4.460 (Ac.Ft)
            Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)       0.000     0.000     0.000    39.191     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000    10.635     0.000
      ***********************************************************************

      -----------------------------------------------------------------------



      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        5.300 to Point/Station        5.300
      **** STORE OR DELETE CURRENT HYDROGRAPH ****
      _______________________________________________________________________
      Current stream hydrograph of   5.0 minute
      intervals has been stored as stream number 1 with
      a starting time of   0.00 hours and ending time of  25.00 hours
      With a total volume of       4.46(Ac.Ft)
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =     0
                  Time interval =    0.0 (Min.)
                  Maximum/Peak flow rate =        0.000 (CFS)
                  Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)       3.000     0.000     0.000    39.191     0.000
            Vol (Ac.Ft)      4.460     0.000     0.000    10.635     0.000
      ***********************************************************************

      -----------------------------------------------------------------------



      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        5.200 to Point/Station        5.300
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      _______________________________________________________________________
      ********************* HYDROGRAPH INFORMATION **********************

                  From study/file name: 5C100CHK3100.rte
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
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                          P R I N T   O F   S T O R M
                        R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------

                    Hydrograph in   5   Minute intervals (CFS)

      ---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        6.6      13.1      19.7      26.2
---------------------------------------------------------------------------
  0+ 5       1.5522      1.55  | Q       |         |         |         |
  0+10       3.3135      3.31  |    Q    |         |         |         |
  0+15       3.2192      3.22  |   Q     |         |         |         |
  0+20       3.5233      3.52  |    Q    |         |         |         |
  0+25       4.1871      4.19  |     Q   |         |         |         |
  0+30       4.7351      4.74  |      Q  |         |         |         |
  0+35       4.8119      4.81  |      Q  |         |         |         |
  0+40       4.8144      4.81  |      Q  |         |         |         |
  0+45       5.2899      5.29  |       Q |         |         |         |
  0+50       4.8774      4.88  |      Q  |         |         |         |
  0+55       4.5130      4.51  |     Q   |         |         |         |
  1+ 0       4.9361      4.94  |      Q  |         |         |         |
  1+ 5       5.9248      5.92  |        Q|         |         |         |
  1+10       6.6793      6.68  |         Q         |         |         |
  1+15       6.7736      6.77  |         Q         |         |         |
  1+20       6.4757      6.48  |        Q|         |         |         |
  1+25       7.0571      7.06  |         Q         |         |         |
  1+30       8.2305      8.23  |          | Q      |         |         |
  1+35       8.0638      8.06  |          | Q      |         |         |
  1+40       8.0434      8.04  |          | Q      |         |         |
  1+45       9.4471      9.45  |          |   Q    |         |         |
  1+50      10.2517     10.25  |          |    Q   |         |         |
  1+55       9.7276      9.73  |          |   Q    |         |         |
  2+ 0       9.5068      9.51  |          |   Q    |         |         |
  2+ 5       9.7889      9.79  |          |   Q    |         |         |
  2+10      11.6952     11.70  |          |      Q |         |         |
  2+15      14.9129     14.91  |          |        | Q       |         |
  2+20      14.2334     14.23  |          |        |Q        |         |
  2+25      16.9365     16.94  |          |        |    Q    |         |
  2+30      23.2525     23.25  |          |        |         |    Q    |
  2+35      26.2081     26.21  |          |        |         |         Q
  2+40      24.4383     24.44  |          |        |         |       Q |
  2+45      14.5056     14.51  |          |        | Q       |         |
  2+50       6.8251      6.83  |         Q|        |         |         |
  2+55       5.5406      5.54  |       Q  |        |         |         |
  3+ 0       3.6830      3.68  |    Q     |        |         |         |
  3+ 5       1.1183      1.12  |Q         |        |         |         |
  3+10       0.1430      0.14  Q          |        |         |         |
  3+15       0.0145      0.01  Q          |        |         |         |
---------------------------------------------------------------------------

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =    39
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       26.208 (CFS)
                  Total volume =       2.199 (Ac.Ft)
            Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)       3.000     0.000     0.000    39.191     0.000
            Vol (Ac.Ft)      4.460     0.000     0.000    10.635     0.000
      ***********************************************************************

      -----------------------------------------------------------------------
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Process from Point/Station 5.100 to Point/Station 5.300
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 4 the total
volume of 10.63 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.
++

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0 10.7 21.4 32.2 42.9
0+ 5	0.0000	1.55	qQ
0+10	0.0000	3.31	q Q
0+15	0.0000	3.22	q Q
0+20	0.4389	3.96	q Q
0+25	1.2243	5.41	q Q
0+30	1.8346	6.57	q Q
0+35	2.3894	7.20	q Q
0+40	2.8521	7.67	q Q
0+45	3.2522	8.54	q Q
0+50	3.6319	8.51	q Q
0+55	3.9449	8.46	q Q
1+ 0	4.2341	9.17	q Q
1+ 5	4.5294	10.45	q Q
1+10	4.7745	11.45	q Q
1+15	5.0296	11.80	q Q
1+20	5.2980	11.77	q Q
1+25	5.5325	12.59	q Q
1+30	5.7579	13.99	q Q
1+35	6.0035	14.07	q Q
1+40	6.2348	14.28	q Q
1+45	6.4480	15.90	q Q
1+50	6.6780	16.93	q Q
1+55	6.9104	16.64	q Q
2+ 0	7.1296	16.64	q Q
2+ 5	7.3444	17.13	q Q
2+10	7.5451	19.24	q Q
2+15	7.7531	22.67	q Q
2+20	7.9972	22.23	q Q
2+25	9.1366	26.07	q Q
2+30	10.6467	33.90	q Q
2+35	12.0279	38.24	q Q
2+40	13.3491	37.79	q Q
2+45	14.3368	28.84	q Q
2+50	15.1419	21.97	q Q
2+55	31.4896	37.03	q Q
3+ 0	39.1914	42.87	q Q
3+ 5	39.0701	40.19	qQ
3+10	33.6693	33.81	Q
3+15	26.1698	26.18	Q
3+20	19.0563	19.06	Q
3+25	15.4990	15.50	Q
3+30	14.9948	14.99	Q
3+35	14.8735	14.87	Q
3+40	14.7510	14.75	Q
3+45	14.6281	14.63	Q
3+50	14.5055	14.51	Q
3+55	14.3836	14.38	Q
4+ 0	14.2624	14.26	Q
4+ 5	14.1422	14.14	Q
4+10	14.0227	14.02	Q
4+15	13.9041	13.90	Q
4+20	13.7864	13.79	Q
4+25	13.6694	13.67	Q
4+30	13.5533	13.55	Q
4+35	13.4153	13.42	Q
4+40	13.2592	13.26	Q
4+45	13.1021	13.10	Q
4+50	12.9465	12.95	Q
4+55	12.7925	12.79	Q
5+ 0	12.6399	12.64	Q
5+ 5	12.4888	12.49	Q
5+10	12.3391	12.34	Q
5+15	12.1909	12.19	Q
5+20	12.0442	12.04	Q
5+25	11.8988	11.90	Q
5+30	11.7549	11.75	Q
5+35	11.6123	11.61	Q
5+40	11.4711	11.47	Q
5+45	11.3026	11.30	Q
5+50	11.0762	11.08	Q
5+55	10.8449	10.84	Q
6+ 0	10.6175	10.62	Q
6+ 5	10.3937	10.39	Q
6+10	10.1736	10.17	Q
6+15	9.9572	9.96	Q
6+20	9.7443	9.74	Q
6+25	9.5349	9.53	Q
6+30	9.3289	9.33	Q
6+35	9.1264	9.13	Q
6+40	8.9271	8.93	Q
6+45	8.7311	8.73	Q
6+50	8.5384	8.54	Q
6+55	8.3488	8.35	Q
7+ 0	8.1623	8.16	Q
7+ 5	8.0453	8.05	Q
7+10	8.0002	8.00	Q
7+15	7.9645	7.96	Q
7+20	7.9289	7.93	Q
7+25	7.8935	7.89	Q
7+30	7.8582	7.86	Q
7+35	7.8229	7.82	Q
7+40	7.7879	7.79	Q
7+45	7.7529	7.75	Q
7+50	7.7180	7.72	Q
7+55	7.6832	7.68	Q
8+ 0	7.6486	7.65	Q
8+ 5	7.6141	7.61	Q
8+10	7.5796	7.58	Q
8+15	7.5453	7.55	Q
8+20	7.5111	7.51	Q
8+25	7.4771	7.48	Q
8+30	7.4394	7.44	Q
8+35	7.3993	7.40	Q
8+40	7.3589	7.36	Q
8+45	7.3187	7.32	Q
8+50	7.2787	7.28	Q
8+55	7.2388	7.24	Q

9+ 0	7.1991	7.20	Q					14+10	4.0183	4.02	Q				
9+ 5	7.1595	7.16	Q					14+15	3.9455	3.95	Q				
9+10	7.1201	7.12	Q					14+20	3.8734	3.87	Q				
9+15	7.0809	7.08	Q					14+25	3.8021	3.80	Q				
9+20	7.0418	7.04	Q					14+30	3.7316	3.73	Q				
9+25	7.0028	7.00	Q					14+35	3.6617	3.66	Q				
9+30	6.9640	6.96	Q					14+40	3.5926	3.59	Q				
9+35	6.9254	6.93	Q					14+45	3.5066	3.51	Q				
9+40	6.8868	6.89	Q					14+50	3.4181	3.42	Q				
9+45	6.8485	6.85	Q					14+55	3.3307	3.33	Q				
9+50	6.8082	6.81	Q					15+ 0	3.2445	3.24	Q				
9+55	6.7643	6.76	Q					15+ 5	3.1594	3.16	Q				
10+ 0	6.7201	6.72	Q					15+10	3.0755	3.08	Q				
10+ 5	6.6761	6.68	Q					15+15	2.9928	2.99	Q				
10+10	6.6323	6.63	Q					15+20	2.9111	2.91	Q				
10+15	6.5887	6.59	Q					15+25	2.8306	2.83	Q				
10+20	6.5452	6.55	Q					15+30	2.7512	2.75	Q				
10+25	6.5020	6.50	Q					15+35	2.6729	2.67	Q				
10+30	6.4590	6.46	Q					15+40	2.5636	2.56	Q				
10+35	6.4162	6.42	Q					15+45	2.4506	2.45	Q				
10+40	6.3736	6.37	Q					15+50	2.3398	2.34	Q				
10+45	6.3311	6.33	Q					15+55	2.2311	2.23	Q				
10+50	6.2889	6.29	Q					16+ 0	2.1247	2.12	Q				
10+55	6.2469	6.25	Q					16+ 5	2.0205	2.02	Q				
11+ 0	6.2050	6.20	Q					16+10	1.9184	1.92	Q				
11+ 5	6.1633	6.16	Q					16+15	1.8183	1.82	Q				
11+10	6.1147	6.11	Q					16+20	1.7203	1.72	Q				
11+15	6.0635	6.06	Q					16+25	1.6243	1.62	Q				
11+20	6.0124	6.01	Q					16+30	1.5096	1.51	Q				
11+25	5.9615	5.96	Q					16+35	1.3561	1.36	Q				
11+30	5.9110	5.91	Q					16+40	1.2020	1.20	Q				
11+35	5.8607	5.86	Q					16+45	1.0533	1.05	Q				
11+40	5.8108	5.81	Q					16+50	0.9099	0.91	Q				
11+45	5.7611	5.76	Q					16+55	0.7716	0.77	Q				
11+50	5.7116	5.71	Q					17+ 0	0.6381	0.64	Q				
11+55	5.6625	5.66	Q					17+ 5	0.5094	0.51	Q				
12+ 0	5.6136	5.61	Q					17+10	0.3852	0.39	Q				
12+ 5	5.5651	5.57	Q					17+15	0.2655	0.27	Q				
12+10	5.5168	5.52	Q					17+20	0.1499	0.15	Q				
12+15	5.4687	5.47	Q					17+25	0.0000	0.00	Q				
12+20	5.4209	5.42	Q					17+30	0.0000	0.00	Q				
12+25	5.3634	5.36	Q					17+35	0.0000	0.00	Q				
12+30	5.3036	5.30	Q					17+40	0.0000	0.00	Q				
12+35	5.2441	5.24	Q					17+45	0.0000	0.00	Q				
12+40	5.1850	5.18	Q					17+50	0.0000	0.00	Q				
12+45	5.1263	5.13	Q					17+55	0.0000	0.00	Q				
12+50	5.0681	5.07	Q					18+ 0	0.0000	0.00	Q				
12+55	5.0102	5.01	Q					18+ 5	0.0000	0.00	Q				
13+ 0	4.9528	4.95	Q					18+10	0.0000	0.00	Q				
13+ 5	4.8958	4.90	Q					18+15	0.0000	0.00	Q				
13+10	4.8392	4.84	Q					18+20	0.0000	0.00	Q				
13+15	4.7830	4.78	Q					18+25	0.0000	0.00	Q				
13+20	4.7272	4.73	Q					18+30	0.0000	0.00	Q				
13+25	4.6718	4.67	Q					18+35	0.0000	0.00	Q				
13+30	4.6168	4.62	Q					18+40	0.0000	0.00	Q				
13+35	4.5486	4.55	Q					18+45	0.0000	0.00	Q				
13+40	4.4715	4.47	Q					18+50	0.0000	0.00	Q				
13+45	4.3940	4.39	Q					18+55	0.0000	0.00	Q				
13+50	4.3173	4.32	Q					19+ 0	0.0000	0.00	Q				
13+55	4.2413	4.24	Q					19+ 5	0.0000	0.00	Q				
14+ 0	4.1662	4.17	Q					19+10	0.0000	0.00	Q				
14+ 5	4.0919	4.09	Q					19+15	0.0000	0.00	Q				

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 19+20       0.0000      0.00  Q         |         |         |         |
 19+25       0.0000      0.00  Q         |         |         |         |
 19+30       0.0000      0.00  Q         |         |         |         |
 19+35       0.0000      0.00  Q         |         |         |         |
 19+40       0.0000      0.00  Q         |         |         |         |
 19+45       0.0000      0.00  Q         |         |         |         |
 19+50       0.0000      0.00  Q         |         |         |         |
 19+55       0.0000      0.00  Q         |         |         |         |
 20+ 0       0.0000      0.00  Q         |         |         |         |
 20+ 5       0.0000      0.00  Q         |         |         |         |
 20+10       0.0000      0.00  Q         |         |         |         |
 20+15       0.0000      0.00  Q         |         |         |         |
 20+20       0.0000      0.00  Q         |         |         |         |
 20+25       0.0000      0.00  Q         |         |         |         |
 20+30       0.0000      0.00  Q         |         |         |         |
 20+35       0.0000      0.00  Q         |         |         |         |
 20+40       0.0000      0.00  Q         |         |         |         |
 20+45       0.0000      0.00  Q         |         |         |         |
 20+50       0.0000      0.00  Q         |         |         |         |
 20+55       0.0000      0.00  Q         |         |         |         |
 21+ 0       0.0000      0.00  Q         |         |         |         |
 21+ 5       0.0000      0.00  Q         |         |         |         |
 21+10       0.0000      0.00  Q         |         |         |         |
 21+15       0.0000      0.00  Q         |         |         |         |
 21+20       0.0000      0.00  Q         |         |         |         |
 21+25       0.0000      0.00  Q         |         |         |         |
 21+30       0.0000      0.00  Q         |         |         |         |
 21+35       0.0000      0.00  Q         |         |         |         |
 21+40       0.0000      0.00  Q         |         |         |         |
 21+45       0.0000      0.00  Q         |         |         |         |
 21+50       0.0000      0.00  Q         |         |         |         |
 21+55       0.0000      0.00  Q         |         |         |         |
 22+ 0       0.0000      0.00  Q         |         |         |         |
 22+ 5       0.0000      0.00  Q         |         |         |         |
 22+10       0.0000      0.00  Q         |         |         |         |
 22+15       0.0000      0.00  Q         |         |         |         |
 22+20       0.0000      0.00  Q         |         |         |         |
 22+25       0.0000      0.00  Q         |         |         |         |
 22+30       0.0000      0.00  Q         |         |         |         |
 22+35       0.0000      0.00  Q         |         |         |         |
 22+40       0.0000      0.00  Q         |         |         |         |
 22+45       0.0000      0.00  Q         |         |         |         |
 22+50       0.0000      0.00  Q         |         |         |         |
 22+55       0.0000      0.00  Q         |         |         |         |
 23+ 0       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   276
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       42.874 (CFS)
                  Total volume =      12.833 (Ac.Ft)
           Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      3.000     0.000     0.000     0.000     0.000
           Vol (Ac.Ft)      4.460     0.000     0.000     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------



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      Process from Point/Station        5.200 to Point/Station        5.300
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**** RETARDING BASIN ROUTING ****
_____________________________________________________________________

User entry of depth-outflow-storage data
-----------------------------------------------------------------------
Total number of inflow hydrograph intervals = 276
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
-----------------------------------------------------------------------
-----------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
-----------------------------------------------------------------------
-----------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
-----------------------------------------------------------------------
  0.000      0.000      0.000      0.000       0.000
  1.000      0.306      0.260      0.305       0.307
  2.000      0.699      1.100      0.695       0.703
  3.000      1.185      1.560      1.180       1.190
  4.000      1.787      1.920      1.780       1.794
  5.000      2.521      2.210      2.513       2.529
  6.000      3.390      2.470      3.381       3.399
  7.000      4.392      2.710      4.383       4.401
  8.000      5.528      2.920      5.518       5.538
  9.000      6.798     15.160      6.746       6.850
 10.000      8.202     23.140      8.122       8.282
 11.000      9.739     37.050      9.611       9.867
 12.000     11.410     46.510     11.250      11.570
 13.000     13.215    115.830     12.816      13.614
-----------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
-----------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
-----------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0      10.7   21.44   32.16  42.87 (Ft.)
 0.083   1.55    0.00      0.005  OI      |       |       |      |     0.02
 0.167   3.31    0.02      0.022  O I     |       |       |      |     0.07
 0.250   3.22    0.04      0.044  O I     |       |       |      |     0.14
 0.333   3.96    0.06      0.069  O I     |       |       |      |     0.22
 0.417   5.41    0.09      0.100  O   I   |       |       |      |     0.33
 0.500   6.57    0.12      0.141  O   I   |       |       |      |     0.46
 0.583   7.20    0.16      0.187  O    I  |       |       |      |     0.61
 0.667   7.67    0.20      0.237  O    I  |       |       |      |     0.78
 0.750   8.54    0.25      0.292  O     I |       |       |      |     0.95
 0.833   8.51    0.35      0.348  O     I |       |       |      |     1.11
 0.917   8.46    0.47      0.404  O     I |       |       |      |     1.25
 1.000   9.17    0.59      0.461  O     I |       |       |      |     1.39
 1.083  10.45    0.73      0.524  O      I|       |       |      |     1.55
 1.167  11.45    0.88      0.594  O       I       |       |      |     1.73
 1.250  11.80    1.03      0.668  O       I       |       |      |     1.92
 1.333  11.77    1.14      0.741  O       I       |       |      |     2.09
 1.417  12.59    1.21      0.817  O       |I      |       |      |     2.24
 1.500  13.99    1.29      0.900  O       | I     |       |      |     2.41
 1.583  14.07    1.37      0.987  |O      | I     |       |      |     2.59
 1.667  14.28    1.46      1.075  |O      | I     |       |      |     2.77
 1.750  15.90    1.54      1.169  |O      |  I    |       |      |     2.97
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1.833	16.93	1.61	1.271	O		I				3.14	7.000	8.16	9.24	6.184		O				8.52
1.917	16.64	1.67	1.375	O		I				3.32	7.083	8.05	9.17	6.176		O				8.51
2.000	16.64	1.74	1.478	O		I				3.49	7.167	8.00	9.09	6.169		IO				8.50
2.083	17.13	1.80	1.582	O		I				3.66	7.250	7.96	9.02	6.161		IO				8.50
2.167	19.24	1.86	1.695	O		I				3.85	7.333	7.93	8.95	6.154		IO				8.49
2.250	22.67	1.94	1.826	O		I				4.05	7.417	7.89	8.89	6.147		IO				8.49
2.333	22.23	1.99	1.967	O		I				4.25	7.500	7.86	8.82	6.140		IO				8.48
2.417	26.07	2.05	2.120	O		I				4.45	7.583	7.82	8.76	6.134		IO				8.48
2.500	33.90	2.13	2.312	O		I				4.71	7.667	7.79	8.70	6.127		IO				8.47
2.583	38.24	2.22	2.545	O		I				5.03	7.750	7.75	8.64	6.121		IO				8.47
2.667	37.79	2.29	2.791	O		I				5.31	7.833	7.72	8.58	6.115		IO				8.46
2.750	28.84	2.35	3.005	O		I				5.56	7.917	7.68	8.52	6.109		IO				8.46
2.833	21.97	2.40	3.163	O		I				5.74	8.000	7.65	8.47	6.104		IO				8.45
2.917	37.03	2.46	3.350	O		I				5.95	8.083	7.61	8.41	6.098		IO				8.45
3.000	42.87	2.52	3.608	O		I				6.22	8.167	7.58	8.36	6.093		IO				8.44
3.083	40.19	2.59	3.876	O		I				6.49	8.250	7.55	8.31	6.087		IO				8.44
3.167	33.81	2.64	4.113	O		I				6.72	8.333	7.51	8.26	6.082		IO				8.44
3.250	26.18	2.69	4.301	O		I				6.91	8.417	7.48	8.21	6.077		IO				8.43
3.333	19.06	2.72	4.439	O		I				7.04	8.500	7.44	8.16	6.072		IO				8.43
3.417	15.50	2.74	4.539	O		I				7.13	8.583	7.40	8.12	6.067		IO				8.42
3.500	14.99	2.75	4.625	O		I				7.20	8.667	7.36	8.07	6.062		IO				8.42
3.583	14.87	2.77	4.709	O		I				7.28	8.750	7.32	8.02	6.057		O				8.42
3.667	14.75	2.78	4.792	O		I				7.35	8.833	7.28	7.97	6.052		O				8.41
3.750	14.63	2.80	4.873	O		I				7.42	8.917	7.24	7.93	6.048		O				8.41
3.833	14.51	2.81	4.954	O		I				7.50	9.000	7.20	7.88	6.043		O				8.41
3.917	14.38	2.83	5.035	O		I				7.57	9.083	7.16	7.84	6.038		O				8.40
4.000	14.26	2.84	5.114	O		I				7.64	9.167	7.12	7.79	6.034		O				8.40
4.083	14.14	2.86	5.192	O		I				7.70	9.250	7.08	7.75	6.029		O				8.39
4.167	14.02	2.87	5.269	O		I				7.77	9.333	7.04	7.70	6.024		O				8.39
4.250	13.90	2.89	5.345	O		I				7.84	9.417	7.00	7.66	6.020		O				8.39
4.333	13.79	2.90	5.421	O		I				7.91	9.500	6.96	7.62	6.015		O				8.38
4.417	13.67	2.91	5.495	O		I				7.97	9.583	6.93	7.57	6.011		O				8.38
4.500	13.55	3.30	5.568	O		I				8.03	9.667	6.89	7.53	6.006		O				8.38
4.583	13.42	3.96	5.636	O		I				8.08	9.750	6.85	7.49	6.002		O				8.37
4.667	13.26	4.56	5.698	O		I				8.13	9.833	6.81	7.45	5.998		O				8.37
4.750	13.10	5.11	5.756	O		I				8.18	9.917	6.76	7.40	5.993		O				8.37
4.833	12.95	5.62	5.808	O		I				8.22	10.000	6.72	7.36	5.989		O				8.36
4.917	12.79	6.09	5.857	O		I				8.26	10.083	6.68	7.32	5.984		IO				8.36
5.000	12.64	6.51	5.901	O		I				8.29	10.167	6.63	7.28	5.980		IO				8.36
5.083	12.49	6.90	5.941	O		I				8.33	10.250	6.59	7.23	5.976		IO				8.35
5.167	12.34	7.26	5.978	O		I				8.35	10.333	6.55	7.19	5.971		IO				8.35
5.250	12.19	7.58	6.011	O		I				8.38	10.417	6.50	7.15	5.967		IO				8.35
5.333	12.04	7.87	6.042	O		I				8.40	10.500	6.46	7.10	5.962		IO				8.34
5.417	11.90	8.13	6.069	O		I				8.43	10.583	6.42	7.06	5.958		IO				8.34
5.500	11.75	8.37	6.094	O		I				8.45	10.667	6.37	7.02	5.953		IO				8.33
5.583	11.61	8.58	6.116	O		I				8.46	10.750	6.33	6.98	5.949		IO				8.33
5.667	11.47	8.77	6.135	O		I				8.48	10.833	6.29	6.93	5.944		IO				8.33
5.750	11.30	8.94	6.153	O		I				8.49	10.917	6.25	6.89	5.940		IO				8.32
5.833	11.08	9.09	6.168	O		I				8.50	11.000	6.20	6.85	5.936		IO				8.32
5.917	10.84	9.21	6.180	O		I				8.51	11.083	6.16	6.81	5.931		IO				8.32
6.000	10.62	9.30	6.190	O		I				8.52	11.167	6.11	6.76	5.927		IO				8.31
6.083	10.39	9.38	6.198	O						8.53	11.250	6.06	6.72	5.922		IO				8.31
6.167	10.17	9.44	6.204	O						8.53	11.333	6.01	6.68	5.918		O				8.31
6.250	9.96	9.48	6.209	O						8.54	11.417	5.96	6.63	5.913		O				8.30
6.333	9.74	9.50	6.211	O						8.54	11.500	5.91	6.59	5.908		O				8.30
6.417	9.53	9.51	6.212	O						8.54	11.583	5.86	6.54	5.904		O				8.30
6.500	9.33	9.51	6.211	IO						8.54	11.667	5.81	6.50	5.899		O				8.29
6.583	9.13	9.49	6.210	IO						8.54	11.750	5.76	6.45	5.894		O				8.29
6.667	8.93	9.46	6.206	IO						8.53	11.833	5.71	6.40	5.890		O				8.28
6.750	8.73	9.42	6.202	IO						8.53	11.917	5.66	6.36	5.885		O				8.28
6.833	8.54	9.37	6.197	O						8.53	12.000	5.61	6.31	5.880		O				8.28
6.917	8.35	9.31	6.191	O						8.52	12.083	5.57	6.27	5.875		O				8.27

12.167	5.52	6.22	5.870	O				8.27	17.333	0.15	2.89	5.377	I O					7.87
12.250	5.47	6.17	5.865	O				8.27	17.417	0.00	2.89	5.358	I O					7.85
12.333	5.42	6.13	5.861	O				8.26	17.500	0.00	2.88	5.338	I O					7.83
12.417	5.36	6.08	5.856	O				8.26	17.583	0.00	2.88	5.318	I O					7.82
12.500	5.30	6.03	5.851	IO				8.25	17.667	0.00	2.88	5.298	I O					7.80
12.583	5.24	5.98	5.846	IO				8.25	17.750	0.00	2.87	5.278	I O					7.78
12.667	5.18	5.93	5.841	IO				8.25	17.833	0.00	2.87	5.258	I O					7.76
12.750	5.13	5.88	5.835	IO				8.24	17.917	0.00	2.87	5.239	I O					7.75
12.833	5.07	5.83	5.830	IO				8.24	18.000	0.00	2.86	5.219	I O					7.73
12.917	5.01	5.78	5.825	IO				8.23	18.083	0.00	2.86	5.199	I O					7.71
13.000	4.95	5.73	5.820	IO				8.23	18.167	0.00	2.86	5.180	I O					7.69
13.083	4.90	5.68	5.814	IO				8.23	18.250	0.00	2.85	5.160	I O					7.68
13.167	4.84	5.63	5.809	IO				8.22	18.333	0.00	2.85	5.140	I O					7.66
13.250	4.78	5.57	5.803	IO				8.22	18.417	0.00	2.84	5.121	I O					7.64
13.333	4.73	5.52	5.798	IO				8.21	18.500	0.00	2.84	5.101	I O					7.62
13.417	4.67	5.47	5.792	IO				8.21	18.583	0.00	2.84	5.082	I O					7.61
13.500	4.62	5.42	5.787	IO				8.20	18.667	0.00	2.83	5.062	I O					7.59
13.583	4.55	5.36	5.781	IO				8.20	18.750	0.00	2.83	5.043	I O					7.57
13.667	4.47	5.31	5.776	O				8.20	18.833	0.00	2.83	5.023	I O					7.56
13.750	4.39	5.25	5.770	O				8.19	18.917	0.00	2.82	5.004	I O					7.54
13.833	4.32	5.19	5.764	O				8.19	19.000	0.00	2.82	4.984	I O					7.52
13.917	4.24	5.13	5.758	O				8.18	19.083	0.00	2.82	4.965	I O					7.50
14.000	4.17	5.08	5.752	O				8.18	19.167	0.00	2.81	4.945	I O					7.49
14.083	4.09	5.01	5.745	O				8.17	19.250	0.00	2.81	4.926	I O					7.47
14.167	4.02	4.95	5.739	IO				8.17	19.333	0.00	2.81	4.907	I O					7.45
14.250	3.95	4.89	5.732	IO				8.16	19.417	0.00	2.80	4.887	I O					7.44
14.333	3.87	4.83	5.726	IO				8.16	19.500	0.00	2.80	4.868	I O					7.42
14.417	3.80	4.76	5.719	IO				8.15	19.583	0.00	2.79	4.849	I O					7.40
14.500	3.73	4.70	5.713	IO				8.15	19.667	0.00	2.79	4.830	I O					7.39
14.583	3.66	4.64	5.706	IO				8.14	19.750	0.00	2.79	4.810	I O					7.37
14.667	3.59	4.57	5.699	IO				8.13	19.833	0.00	2.78	4.791	I O					7.35
14.750	3.51	4.50	5.692	IO				8.13	19.917	0.00	2.78	4.772	I O					7.33
14.833	3.42	4.44	5.685	IO				8.12	20.000	0.00	2.78	4.753	I O					7.32
14.917	3.33	4.37	5.678	IO				8.12	20.083	0.00	2.77	4.734	I O					7.30
15.000	3.24	4.30	5.671	IO				8.11	20.167	0.00	2.77	4.715	I O					7.28
15.083	3.16	4.23	5.664	IO				8.11	20.250	0.00	2.77	4.696	I O					7.27
15.167	3.08	4.16	5.656	IO				8.10	20.333	0.00	2.76	4.677	I O					7.25
15.250	2.99	4.09	5.649	IO				8.10	20.417	0.00	2.76	4.658	I O					7.23
15.333	2.91	4.01	5.641	O				8.09	20.500	0.00	2.76	4.639	I O					7.22
15.417	2.83	3.94	5.634	O				8.08	20.583	0.00	2.75	4.620	I O					7.20
15.500	2.75	3.87	5.626	O				8.08	20.667	0.00	2.75	4.601	I O					7.18
15.583	2.67	3.79	5.618	IO				8.07	20.750	0.00	2.75	4.582	I O					7.17
15.667	2.56	3.72	5.611	IO				8.07	20.833	0.00	2.74	4.563	I O					7.15
15.750	2.45	3.64	5.603	IO				8.06	20.917	0.00	2.74	4.544	I O					7.13
15.833	2.34	3.56	5.594	IO				8.05	21.000	0.00	2.73	4.525	I O					7.12
15.917	2.23	3.48	5.586	IO				8.05	21.083	0.00	2.73	4.506	I O					7.10
16.000	2.12	3.39	5.577	IO				8.04	21.167	0.00	2.73	4.488	I O					7.08
16.083	2.02	3.31	5.568	IO				8.03	21.250	0.00	2.72	4.469	I O					7.07
16.167	1.92	3.22	5.559	IO				8.02	21.333	0.00	2.72	4.450	I O					7.05
16.250	1.82	3.14	5.550	IO				8.02	21.417	0.00	2.72	4.431	I O					7.03
16.333	1.72	3.05	5.541	IO				8.01	21.500	0.00	2.71	4.413	I O					7.02
16.417	1.62	2.96	5.532	IO				8.00	21.583	0.00	2.71	4.394	I O					7.00
16.500	1.51	2.92	5.523	IO				8.00	21.667	0.00	2.71	4.375	I O					6.98
16.583	1.36	2.92	5.512	IO				7.99	21.750	0.00	2.70	4.357	I O					6.96
16.667	1.20	2.92	5.501	I O				7.98	21.833	0.00	2.70	4.338	I O					6.95
16.750	1.05	2.91	5.489	I O				7.97	21.917	0.00	2.69	4.320	I O					6.93
16.833	0.91	2.91	5.476	I O				7.95	22.000	0.00	2.69	4.301	I O					6.91
16.917	0.77	2.91	5.461	I O				7.94	22.083	0.00	2.68	4.282	I O					6.89
17.000	0.64	2.90	5.446	I O				7.93	22.167	0.00	2.68	4.264	IO					6.87
17.083	0.51	2.90	5.430	I O				7.91	22.250	0.00	2.67	4.246	IO					6.85
17.167	0.39	2.90	5.413	I O				7.90	22.333	0.00	2.67	4.227	IO					6.84
17.250	0.27	2.90	5.395	I O				7.88	22.417	0.00	2.67	4.209	IO					6.82

22.500	0.00	2.66	4.190	IO	|	|	|	|	6.80	27.667	0.00	2.39	3.111	IO	|	|	|	|	5.68
22.583	0.00	2.66	4.172	IO	|	|	|	|	6.78	27.750	0.00	2.38	3.095	IO	|	|	|	|	5.66
22.667	0.00	2.65	4.154	IO	|	|	|	|	6.76	27.833	0.00	2.38	3.078	IO	|	|	|	|	5.64
22.750	0.00	2.65	4.136	IO	|	|	|	|	6.74	27.917	0.00	2.37	3.062	IO	|	|	|	|	5.62
22.833	0.00	2.64	4.117	IO	|	|	|	|	6.73	28.000	0.00	2.37	3.046	IO	|	|	|	|	5.60
22.917	0.00	2.64	4.099	IO	|	|	|	|	6.71	28.083	0.00	2.36	3.029	IO	|	|	|	|	5.58
23.000	0.00	2.64	4.081	IO	|	|	|	|	6.69	28.167	0.00	2.36	3.013	IO	|	|	|	|	5.57
23.083	0.00	2.63	4.063	IO	|	|	|	|	6.67	28.250	0.00	2.35	2.997	IO	|	|	|	|	5.55
23.167	0.00	2.63	4.045	IO	|	|	|	|	6.65	28.333	0.00	2.35	2.981	IO	|	|	|	|	5.53
23.250	0.00	2.62	4.027	IO	|	|	|	|	6.64	28.417	0.00	2.34	2.964	IO	|	|	|	|	5.51
23.333	0.00	2.62	4.009	IO	|	|	|	|	6.62	28.500	0.00	2.34	2.948	IO	|	|	|	|	5.49
23.417	0.00	2.61	3.991	IO	|	|	|	|	6.60	28.583	0.00	2.33	2.932	IO	|	|	|	|	5.47
23.500	0.00	2.61	3.973	IO	|	|	|	|	6.58	28.667	0.00	2.33	2.916	IO	|	|	|	|	5.45
23.583	0.00	2.61	3.955	IO	|	|	|	|	6.56	28.750	0.00	2.32	2.900	IO	|	|	|	|	5.44
23.667	0.00	2.60	3.937	IO	|	|	|	|	6.55	28.833	0.00	2.32	2.884	IO	|	|	|	|	5.42
23.750	0.00	2.60	3.919	IO	|	|	|	|	6.53	28.917	0.00	2.31	2.868	IO	|	|	|	|	5.40
23.833	0.00	2.59	3.901	IO	|	|	|	|	6.51	29.000	0.00	2.31	2.852	IO	|	|	|	|	5.38
23.917	0.00	2.59	3.883	IO	|	|	|	|	6.49	29.083	0.00	2.30	2.836	IO	|	|	|	|	5.36
24.000	0.00	2.58	3.865	IO	|	|	|	|	6.47	29.167	0.00	2.30	2.821	IO	|	|	|	|	5.34
24.083	0.00	2.58	3.848	IO	|	|	|	|	6.46	29.250	0.00	2.29	2.805	IO	|	|	|	|	5.33
24.167	0.00	2.58	3.830	IO	|	|	|	|	6.44	29.333	0.00	2.29	2.789	IO	|	|	|	|	5.31
24.250	0.00	2.57	3.812	IO	|	|	|	|	6.42	29.417	0.00	2.29	2.773	IO	|	|	|	|	5.29
24.333	0.00	2.57	3.794	IO	|	|	|	|	6.40	29.500	0.00	2.28	2.758	IO	|	|	|	|	5.27
24.417	0.00	2.56	3.777	IO	|	|	|	|	6.39	29.583	0.00	2.28	2.742	IO	|	|	|	|	5.25
24.500	0.00	2.56	3.759	IO	|	|	|	|	6.37	29.667	0.00	2.27	2.726	IO	|	|	|	|	5.24
24.583	0.00	2.55	3.741	IO	|	|	|	|	6.35	29.750	0.00	2.27	2.711	IO	|	|	|	|	5.22
24.667	0.00	2.55	3.724	IO	|	|	|	|	6.33	29.833	0.00	2.26	2.695	IO	|	|	|	|	5.20
24.750	0.00	2.55	3.706	IO	|	|	|	|	6.32	29.917	0.00	2.26	2.679	IO	|	|	|	|	5.18
24.833	0.00	2.54	3.689	IO	|	|	|	|	6.30	30.000	0.00	2.25	2.664	IO	|	|	|	|	5.16
24.917	0.00	2.54	3.671	IO	|	|	|	|	6.28	30.083	0.00	2.25	2.648	IO	|	|	|	|	5.15
25.000	0.00	2.53	3.654	IO	|	|	|	|	6.26	30.167	0.00	2.24	2.633	IO	|	|	|	|	5.13
25.083	0.00	2.53	3.636	IO	|	|	|	|	6.25	30.250	0.00	2.24	2.617	IO	|	|	|	|	5.11
25.167	0.00	2.52	3.619	IO	|	|	|	|	6.23	30.333	0.00	2.23	2.602	IO	|	|	|	|	5.09
25.250	0.00	2.52	3.602	IO	|	|	|	|	6.21	30.417	0.00	2.23	2.587	IO	|	|	|	|	5.08
25.333	0.00	2.52	3.584	IO	|	|	|	|	6.19	30.500	0.00	2.23	2.571	IO	|	|	|	|	5.06
25.417	0.00	2.51	3.567	IO	|	|	|	|	6.18	30.583	0.00	2.22	2.556	IO	|	|	|	|	5.04
25.500	0.00	2.51	3.550	IO	|	|	|	|	6.16	30.667	0.00	2.22	2.541	IO	|	|	|	|	5.02
25.583	0.00	2.50	3.532	IO	|	|	|	|	6.14	30.750	0.00	2.21	2.526	IO	|	|	|	|	5.01
25.667	0.00	2.50	3.515	IO	|	|	|	|	6.12	30.833	0.00	2.21	2.510	IO	|	|	|	|	4.99
25.750	0.00	2.50	3.498	IO	|	|	|	|	6.11	30.917	0.00	2.20	2.495	IO	|	|	|	|	4.96
25.833	0.00	2.49	3.481	IO	|	|	|	|	6.09	31.000	0.00	2.19	2.480	IO	|	|	|	|	4.94
25.917	0.00	2.49	3.464	IO	|	|	|	|	6.07	31.083	0.00	2.19	2.465	IO	|	|	|	|	4.92
26.000	0.00	2.48	3.447	IO	|	|	|	|	6.06	31.167	0.00	2.18	2.450	IO	|	|	|	|	4.90
26.083	0.00	2.48	3.430	IO	|	|	|	|	6.04	31.250	0.00	2.18	2.435	IO	|	|	|	|	4.88
26.167	0.00	2.48	3.412	IO	|	|	|	|	6.02	31.333	0.00	2.17	2.420	IO	|	|	|	|	4.86
26.250	0.00	2.47	3.395	IO	|	|	|	|	6.01	31.417	0.00	2.16	2.405	IO	|	|	|	|	4.84
26.333	0.00	2.47	3.378	IO	|	|	|	|	5.99	31.500	0.00	2.16	2.390	IO	|	|	|	|	4.82
26.417	0.00	2.46	3.361	IO	|	|	|	|	5.97	31.583	0.00	2.15	2.375	IO	|	|	|	|	4.80
26.500	0.00	2.46	3.345	IO	|	|	|	|	5.95	31.667	0.00	2.15	2.360	IO	|	|	|	|	4.78
26.583	0.00	2.45	3.328	IO	|	|	|	|	5.93	31.750	0.00	2.14	2.346	IO	|	|	|	|	4.76
26.667	0.00	2.45	3.311	IO	|	|	|	|	5.91	31.833	0.00	2.13	2.331	IO	|	|	|	|	4.74
26.750	0.00	2.44	3.294	IO	|	|	|	|	5.89	31.917	0.00	2.13	2.316	IO	|	|	|	|	4.72
26.833	0.00	2.44	3.277	IO	|	|	|	|	5.87	32.000	0.00	2.12	2.302	IO	|	|	|	|	4.70
26.917	0.00	2.43	3.260	IO	|	|	|	|	5.85	32.083	0.00	2.12	2.287	IO	|	|	|	|	4.68
27.000	0.00	2.43	3.244	IO	|	|	|	|	5.83	32.167	0.00	2.11	2.272	IO	|	|	|	|	4.66
27.083	0.00	2.42	3.227	IO	|	|	|	|	5.81	32.250	0.00	2.11	2.258	IO	|	|	|	|	4.64
27.167	0.00	2.42	3.210	IO	|	|	|	|	5.79	32.333	0.00	2.10	2.243	IO	|	|	|	|	4.62
27.250	0.00	2.41	3.194	IO	|	|	|	|	5.77	32.417	0.00	2.09	2.229	IO	|	|	|	|	4.60
27.333	0.00	2.41	3.177	IO	|	|	|	|	5.75	32.500	0.00	2.09	2.215	IO	|	|	|	|	4.58
27.417	0.00	2.40	3.161	IO	|	|	|	|	5.74	32.583	0.00	2.08	2.200	IO	|	|	|	|	4.56
27.500	0.00	2.40	3.144	IO	|	|	|	|	5.72	32.667	0.00	2.08	2.186	IO	|	|	|	|	4.54
27.583	0.00	2.39	3.127	IO	|	|	|	|	5.70	32.750	0.00	2.07	2.172	IO	|	|	|	|	4.52

32.833	0.00	2.07	2.157	IO					4.50	38.000	0.00	1.66	1.356	IO					3.28
32.917	0.00	2.06	2.143	IO					4.49	38.083	0.00	1.66	1.344	IO					3.26
33.000	0.00	2.06	2.129	IO					4.47	38.167	0.00	1.65	1.333	IO					3.25
33.083	0.00	2.05	2.115	IO					4.45	38.250	0.00	1.64	1.322	IO					3.23
33.167	0.00	2.04	2.101	IO					4.43	38.333	0.00	1.64	1.310	IO					3.21
33.250	0.00	2.04	2.087	IO					4.41	38.417	0.00	1.63	1.299	IO					3.19
33.333	0.00	2.03	2.073	IO					4.39	38.500	0.00	1.62	1.288	IO					3.17
33.417	0.00	2.03	2.059	IO					4.37	38.583	0.00	1.61	1.277	IO					3.15
33.500	0.00	2.02	2.045	IO					4.35	38.667	0.00	1.61	1.266	IO					3.13
33.583	0.00	2.02	2.031	IO					4.33	38.750	0.00	1.60	1.255	IO					3.12
33.667	0.00	2.01	2.017	IO					4.31	38.833	0.00	1.60	1.244	IO					3.10
33.750	0.00	2.01	2.003	IO					4.29	38.917	0.00	1.59	1.233	IO					3.08
33.833	0.00	2.00	1.989	IO					4.28	39.000	0.00	1.58	1.222	IO					3.06
33.917	0.00	1.99	1.976	IO					4.26	39.083	0.00	1.58	1.211	IO					3.04
34.000	0.00	1.99	1.962	IO					4.24	39.167	0.00	1.57	1.200	IO					3.03
34.083	0.00	1.98	1.948	IO					4.22	39.250	0.00	1.56	1.189	IO					3.01
34.167	0.00	1.98	1.935	IO					4.20	39.333	0.00	1.55	1.179	IO					2.99
34.250	0.00	1.97	1.921	IO					4.18	39.417	0.00	1.54	1.168	IO					2.97
34.333	0.00	1.97	1.907	IO					4.16	39.500	0.00	1.53	1.157	IO					2.94
34.417	0.00	1.96	1.894	IO					4.15	39.583	0.00	1.52	1.147	IO					2.92
34.500	0.00	1.96	1.880	IO					4.13	39.667	0.00	1.51	1.136	IO					2.90
34.583	0.00	1.95	1.867	IO					4.11	39.750	0.00	1.50	1.126	IO					2.88
34.667	0.00	1.95	1.853	IO					4.09	39.833	0.00	1.49	1.116	IO					2.86
34.750	0.00	1.94	1.840	IO					4.07	39.917	0.00	1.48	1.105	IO					2.84
34.833	0.00	1.94	1.827	IO					4.05	40.000	0.00	1.48	1.095	IO					2.82
34.917	0.00	1.93	1.813	IO					4.04	40.083	0.00	1.47	1.085	IO					2.79
35.000	0.00	1.93	1.800	IO					4.02	40.167	0.00	1.46	1.075	IO					2.77
35.083	0.00	1.92	1.787	IO					4.00	40.250	0.00	1.45	1.065	IO					2.75
35.167	0.00	1.91	1.774	IO					3.98	40.333	0.00	1.44	1.055	IO					2.73
35.250	0.00	1.90	1.761	IO					3.96	40.417	0.00	1.43	1.045	IO					2.71
35.333	0.00	1.90	1.747	IO					3.93	40.500	0.00	1.42	1.035	IO					2.69
35.417	0.00	1.89	1.734	IO					3.91	40.583	0.00	1.41	1.026	IO					2.67
35.500	0.00	1.88	1.721	IO					3.89	40.667	0.00	1.40	1.016	IO					2.65
35.583	0.00	1.87	1.709	IO					3.87	40.750	0.00	1.39	1.006	IO					2.63
35.667	0.00	1.87	1.696	IO					3.85	40.833	0.00	1.38	0.997	IO					2.61
35.750	0.00	1.86	1.683	IO					3.83	40.917	0.00	1.37	0.987	IO					2.59
35.833	0.00	1.85	1.670	IO					3.81	41.000	0.00	1.36	0.978	IO					2.57
35.917	0.00	1.84	1.657	IO					3.78	41.083	0.00	1.36	0.969	IO					2.55
36.000	0.00	1.83	1.645	IO					3.76	41.167	0.00	1.35	0.959	IO					2.54
36.083	0.00	1.83	1.632	IO					3.74	41.250	0.00	1.34	0.950	O					2.52
36.167	0.00	1.82	1.620	IO					3.72	41.333	0.00	1.33	0.941	O					2.50
36.250	0.00	1.81	1.607	IO					3.70	41.417	0.00	1.32	0.932	O					2.48
36.333	0.00	1.80	1.595	IO					3.68	41.500	0.00	1.31	0.923	O					2.46
36.417	0.00	1.80	1.582	IO					3.66	41.583	0.00	1.30	0.914	O					2.44
36.500	0.00	1.79	1.570	IO					3.64	41.667	0.00	1.29	0.905	O					2.42
36.583	0.00	1.78	1.557	IO					3.62	41.750	0.00	1.29	0.896	O					2.41
36.667	0.00	1.78	1.545	IO					3.60	41.833	0.00	1.28	0.887	O					2.39
36.750	0.00	1.77	1.533	IO					3.58	41.917	0.00	1.27	0.878	O					2.37
36.833	0.00	1.76	1.521	IO					3.56	42.000	0.00	1.26	0.870	O					2.35
36.917	0.00	1.75	1.509	IO					3.54	42.083	0.00	1.25	0.861	O					2.33
37.000	0.00	1.75	1.497	IO					3.52	42.167	0.00	1.25	0.852	O					2.32
37.083	0.00	1.74	1.485	IO					3.50	42.250	0.00	1.24	0.844	O					2.30
37.167	0.00	1.73	1.473	IO					3.48	42.333	0.00	1.23	0.835	O					2.28
37.250	0.00	1.72	1.461	IO					3.46	42.417	0.00	1.22	0.827	O					2.26
37.333	0.00	1.72	1.449	IO					3.44	42.500	0.00	1.21	0.818	O					2.25
37.417	0.00	1.71	1.437	IO					3.42	42.583	0.00	1.21	0.810	O					2.23
37.500	0.00	1.70	1.425	IO					3.40	42.667	0.00	1.20	0.802	O					2.21
37.583	0.00	1.70	1.414	IO					3.38	42.750	0.00	1.19	0.794	O					2.19
37.667	0.00	1.69	1.402	IO					3.36	42.833	0.00	1.18	0.785	O					2.18
37.750	0.00	1.68	1.390	IO					3.34	42.917	0.00	1.17	0.777	O					2.16
37.833	0.00	1.68	1.379	IO					3.32	43.000	0.00	1.17	0.769	O					2.14
37.917	0.00	1.67	1.367	IO					3.30	43.083	0.00	1.16	0.761	O					2.13

43.167	0.00	1.15	0.753	O					2.11	48.333	0.00	0.49	0.413	O					1.27
43.250	0.00	1.14	0.745	O					2.10	48.417	0.00	0.48	0.410	O					1.26
43.333	0.00	1.14	0.738	O					2.08	48.500	0.00	0.48	0.407	O					1.26
43.417	0.00	1.13	0.730	O					2.06	48.583	0.00	0.47	0.404	O					1.25
43.500	0.00	1.12	0.722	O					2.05	48.667	0.00	0.46	0.400	O					1.24
43.583	0.00	1.11	0.714	O					2.03	48.750	0.00	0.45	0.397	O					1.23
43.667	0.00	1.11	0.707	O					2.02	48.833	0.00	0.45	0.394	O					1.22
43.750	0.00	1.10	0.699	O					2.00	48.917	0.00	0.44	0.391	O					1.22
43.833	0.00	1.08	0.692	O					1.98	49.000	0.00	0.44	0.388	O					1.21
43.917	0.00	1.07	0.684	O					1.96	49.083	0.00	0.43	0.385	O					1.20
44.000	0.00	1.05	0.677	O					1.94	49.167	0.00	0.42	0.382	O					1.19
44.083	0.00	1.04	0.670	O					1.93	49.250	0.00	0.42	0.379	O					1.19
44.167	0.00	1.02	0.663	O					1.91	49.333	0.00	0.41	0.376	O					1.18
44.250	0.00	1.01	0.656	O					1.89	49.417	0.00	0.40	0.374	O					1.17
44.333	0.00	0.99	0.649	O					1.87	49.500	0.00	0.40	0.371	O					1.16
44.417	0.00	0.98	0.642	O					1.85	49.583	0.00	0.39	0.368	O					1.16
44.500	0.00	0.96	0.635	O					1.84	49.667	0.00	0.39	0.365	O					1.15
44.583	0.00	0.95	0.629	O					1.82	49.750	0.00	0.38	0.363	O					1.14
44.667	0.00	0.94	0.622	O					1.80	49.833	0.00	0.38	0.360	O					1.14
44.750	0.00	0.92	0.616	O					1.79	49.917	0.00	0.37	0.358	O					1.13
44.833	0.00	0.91	0.609	O					1.77	50.000	0.00	0.36	0.355	O					1.12
44.917	0.00	0.90	0.603	O					1.76	50.083	0.00	0.36	0.352	O					1.12
45.000	0.00	0.88	0.597	O					1.74	50.167	0.00	0.35	0.350	O					1.11
45.083	0.00	0.87	0.591	O					1.73	50.250	0.00	0.35	0.348	O					1.11
45.167	0.00	0.86	0.585	O					1.71	50.333	0.00	0.34	0.345	O					1.10
45.250	0.00	0.84	0.579	O					1.70	50.417	0.00	0.34	0.343	O					1.09
45.333	0.00	0.83	0.573	O					1.68	50.500	0.00	0.33	0.341	O					1.09
45.417	0.00	0.82	0.568	O					1.67	50.583	0.00	0.33	0.338	O					1.08
45.500	0.00	0.81	0.562	O					1.65	50.667	0.00	0.32	0.336	O					1.08
45.583	0.00	0.80	0.557	O					1.64	50.750	0.00	0.32	0.334	O					1.07
45.667	0.00	0.78	0.551	O					1.62	50.833	0.00	0.31	0.332	O					1.07
45.750	0.00	0.77	0.546	O					1.61	50.917	0.00	0.31	0.329	O					1.06
45.833	0.00	0.76	0.541	O					1.60	51.000	0.00	0.31	0.327	O					1.05
45.917	0.00	0.75	0.535	O					1.58	51.083	0.00	0.30	0.325	O					1.05
46.000	0.00	0.74	0.530	O					1.57	51.167	0.00	0.30	0.323	O					1.04
46.083	0.00	0.73	0.525	O					1.56	51.250	0.00	0.29	0.321	O					1.04
46.167	0.00	0.72	0.520	O					1.55	51.333	0.00	0.29	0.319	O					1.03
46.250	0.00	0.71	0.515	O					1.53	51.417	0.00	0.28	0.317	O					1.03
46.333	0.00	0.70	0.510	O					1.52	51.500	0.00	0.28	0.315	O					1.02
46.417	0.00	0.69	0.506	O					1.51	51.583	0.00	0.28	0.313	O					1.02
46.500	0.00	0.68	0.501	O					1.50	51.667	0.00	0.27	0.311	O					1.01
46.583	0.00	0.67	0.496	O					1.48	51.750	0.00	0.27	0.310	O					1.01
46.667	0.00	0.66	0.492	O					1.47	51.833	0.00	0.26	0.308	O					1.00
46.750	0.00	0.65	0.487	O					1.46	51.917	0.00	0.26	0.306	O					1.00
46.833	0.00	0.64	0.483	O					1.45	52.000	0.00	0.26	0.304	O					0.99
46.917	0.00	0.63	0.479	O					1.44	52.083	0.00	0.26	0.302	O					0.99
47.000	0.00	0.62	0.474	O					1.43	52.167	0.00	0.26	0.301	O					0.98
47.083	0.00	0.61	0.470	O					1.42	52.250	0.00	0.25	0.299	O					0.98
47.167	0.00	0.60	0.466	O					1.41	52.333	0.00	0.25	0.297	O					0.97
47.250	0.00	0.59	0.462	O					1.40	52.417	0.00	0.25	0.295	O					0.97
47.333	0.00	0.58	0.458	O					1.39	52.500	0.00	0.25	0.294	O					0.96
47.417	0.00	0.58	0.454	O					1.38	52.583	0.00	0.25	0.292	O					0.95
47.500	0.00	0.57	0.450	O					1.37	52.667	0.00	0.25	0.290	O					0.95
47.583	0.00	0.56	0.446	O					1.36	52.750	0.00	0.25	0.289	O					0.94
47.667	0.00	0.55	0.442	O					1.35	52.833	0.00	0.24	0.287	O					0.94
47.750	0.00	0.54	0.438	O					1.34	52.917	0.00	0.24	0.285	O					0.93
47.833	0.00	0.53	0.435	O					1.33	53.000	0.00	0.24	0.284	O					0.93
47.917	0.00	0.53	0.431	O					1.32	53.083	0.00	0.24	0.282	O					0.92
48.000	0.00	0.52	0.427	O					1.31	53.167	0.00	0.24	0.280	O					0.92
48.083	0.00	0.51	0.424	O					1.30	53.250	0.00	0.24	0.279	O					0.91
48.167	0.00	0.50	0.420	O					1.29	53.333	0.00	0.24	0.277	O					0.91
48.250	0.00	0.50	0.417	O					1.28	53.417	0.00	0.23	0.275	O					0.90

53.500	0.00	0.23	0.274	O	|	|	|	|	0.89	58.667	0.00	0.16	0.190	O	|	|	|	|	0.62
53.583	0.00	0.23	0.272	O	|	|	|	|	0.89	58.750	0.00	0.16	0.189	O	|	|	|	|	0.62
53.667	0.00	0.23	0.271	O	|	|	|	|	0.88	58.833	0.00	0.16	0.188	O	|	|	|	|	0.62
53.750	0.00	0.23	0.269	O	|	|	|	|	0.88	58.917	0.00	0.16	0.187	O	|	|	|	|	0.61
53.833	0.00	0.23	0.267	O	|	|	|	|	0.87	59.000	0.00	0.16	0.186	O	|	|	|	|	0.61
53.917	0.00	0.23	0.266	O	|	|	|	|	0.87	59.083	0.00	0.16	0.185	O	|	|	|	|	0.60
54.000	0.00	0.22	0.264	O	|	|	|	|	0.86	59.167	0.00	0.16	0.184	O	|	|	|	|	0.60
54.083	0.00	0.22	0.263	O	|	|	|	|	0.86	59.250	0.00	0.16	0.183	O	|	|	|	|	0.60
54.167	0.00	0.22	0.261	O	|	|	|	|	0.85	59.333	0.00	0.15	0.182	O	|	|	|	|	0.59
54.250	0.00	0.22	0.260	O	|	|	|	|	0.85	59.417	0.00	0.15	0.181	O	|	|	|	|	0.59
54.333	0.00	0.22	0.258	O	|	|	|	|	0.84	59.500	0.00	0.15	0.180	O	|	|	|	|	0.59
54.417	0.00	0.22	0.257	O	|	|	|	|	0.84	59.583	0.00	0.15	0.179	O	|	|	|	|	0.58
54.500	0.00	0.22	0.255	O	|	|	|	|	0.83	59.667	0.00	0.15	0.178	O	|	|	|	|	0.58
54.583	0.00	0.22	0.254	O	|	|	|	|	0.83	59.750	0.00	0.15	0.177	O	|	|	|	|	0.58
54.667	0.00	0.21	0.252	O	|	|	|	|	0.82	59.833	0.00	0.15	0.175	O	|	|	|	|	0.57
54.750	0.00	0.21	0.251	O	|	|	|	|	0.82	59.917	0.00	0.15	0.174	O	|	|	|	|	0.57
54.833	0.00	0.21	0.249	O	|	|	|	|	0.81	60.000	0.00	0.15	0.173	O	|	|	|	|	0.57
54.917	0.00	0.21	0.248	O	|	|	|	|	0.81	60.083	0.00	0.15	0.172	O	|	|	|	|	0.56
55.000	0.00	0.21	0.246	O	|	|	|	|	0.81	60.167	0.00	0.15	0.171	O	|	|	|	|	0.56
55.083	0.00	0.21	0.245	O	|	|	|	|	0.80	60.250	0.00	0.14	0.170	O	|	|	|	|	0.56
55.167	0.00	0.21	0.244	O	|	|	|	|	0.80	60.333	0.00	0.14	0.169	O	|	|	|	|	0.55
55.250	0.00	0.21	0.242	O	|	|	|	|	0.79	60.417	0.00	0.14	0.168	O	|	|	|	|	0.55
55.333	0.00	0.20	0.241	O	|	|	|	|	0.79	60.500	0.00	0.14	0.167	O	|	|	|	|	0.55
55.417	0.00	0.20	0.239	O	|	|	|	|	0.78	60.583	0.00	0.14	0.166	O	|	|	|	|	0.54
55.500	0.00	0.20	0.238	O	|	|	|	|	0.78	60.667	0.00	0.14	0.166	O	|	|	|	|	0.54
55.583	0.00	0.20	0.237	O	|	|	|	|	0.77	60.750	0.00	0.14	0.165	O	|	|	|	|	0.54
55.667	0.00	0.20	0.235	O	|	|	|	|	0.77	60.833	0.00	0.14	0.164	O	|	|	|	|	0.53
55.750	0.00	0.20	0.234	O	|	|	|	|	0.76	60.917	0.00	0.14	0.163	O	|	|	|	|	0.53
55.833	0.00	0.20	0.232	O	|	|	|	|	0.76	61.000	0.00	0.14	0.162	O	|	|	|	|	0.53
55.917	0.00	0.20	0.231	O	|	|	|	|	0.76	61.083	0.00	0.14	0.161	O	|	|	|	|	0.53
56.000	0.00	0.20	0.230	O	|	|	|	|	0.75	61.167	0.00	0.14	0.160	O	|	|	|	|	0.52
56.083	0.00	0.19	0.228	O	|	|	|	|	0.75	61.250	0.00	0.13	0.159	O	|	|	|	|	0.52
56.167	0.00	0.19	0.227	O	|	|	|	|	0.74	61.333	0.00	0.13	0.158	O	|	|	|	|	0.52
56.250	0.00	0.19	0.226	O	|	|	|	|	0.74	61.417	0.00	0.13	0.157	O	|	|	|	|	0.51
56.333	0.00	0.19	0.224	O	|	|	|	|	0.73	61.500	0.00	0.13	0.156	O	|	|	|	|	0.51
56.417	0.00	0.19	0.223	O	|	|	|	|	0.73	61.583	0.00	0.13	0.155	O	|	|	|	|	0.51
56.500	0.00	0.19	0.222	O	|	|	|	|	0.72	61.667	0.00	0.13	0.154	O	|	|	|	|	0.50
56.583	0.00	0.19	0.220	O	|	|	|	|	0.72	61.750	0.00	0.13	0.153	O	|	|	|	|	0.50
56.667	0.00	0.19	0.219	O	|	|	|	|	0.72	61.833	0.00	0.13	0.152	O	|	|	|	|	0.50
56.750	0.00	0.19	0.218	O	|	|	|	|	0.71	61.917	0.00	0.13	0.152	O	|	|	|	|	0.50
56.833	0.00	0.18	0.217	O	|	|	|	|	0.71	62.000	0.00	0.13	0.151	O	|	|	|	|	0.49
56.917	0.00	0.18	0.215	O	|	|	|	|	0.70	62.083	0.00	0.13	0.150	O	|	|	|	|	0.49
57.000	0.00	0.18	0.214	O	|	|	|	|	0.70	62.167	0.00	0.13	0.149	O	|	|	|	|	0.49
57.083	0.00	0.18	0.213	O	|	|	|	|	0.70	62.250	0.00	0.13	0.148	O	|	|	|	|	0.48
57.167	0.00	0.18	0.212	O	|	|	|	|	0.69	62.333	0.00	0.13	0.147	O	|	|	|	|	0.48
57.250	0.00	0.18	0.210	O	|	|	|	|	0.69	62.417	0.00	0.12	0.146	O	|	|	|	|	0.48
57.333	0.00	0.18	0.209	O	|	|	|	|	0.68	62.500	0.00	0.12	0.146	O	|	|	|	|	0.48
57.417	0.00	0.18	0.208	O	|	|	|	|	0.68	62.583	0.00	0.12	0.145	O	|	|	|	|	0.47
57.500	0.00	0.18	0.207	O	|	|	|	|	0.68	62.667	0.00	0.12	0.144	O	|	|	|	|	0.47
57.583	0.00	0.17	0.206	O	|	|	|	|	0.67	62.750	0.00	0.12	0.143	O	|	|	|	|	0.47
57.667	0.00	0.17	0.204	O	|	|	|	|	0.67	62.833	0.00	0.12	0.142	O	|	|	|	|	0.46
57.750	0.00	0.17	0.203	O	|	|	|	|	0.66	62.917	0.00	0.12	0.141	O	|	|	|	|	0.46
57.833	0.00	0.17	0.202	O	|	|	|	|	0.66	63.000	0.00	0.12	0.141	O	|	|	|	|	0.46
57.917	0.00	0.17	0.201	O	|	|	|	|	0.66	63.083	0.00	0.12	0.140	O	|	|	|	|	0.46
58.000	0.00	0.17	0.200	O	|	|	|	|	0.65	63.167	0.00	0.12	0.139	O	|	|	|	|	0.45
58.083	0.00	0.17	0.198	O	|	|	|	|	0.65	63.250	0.00	0.12	0.138	O	|	|	|	|	0.45
58.167	0.00	0.17	0.197	O	|	|	|	|	0.64	63.333	0.00	0.12	0.137	O	|	|	|	|	0.45
58.250	0.00	0.17	0.196	O	|	|	|	|	0.64	63.417	0.00	0.12	0.136	O	|	|	|	|	0.45
58.333	0.00	0.17	0.195	O	|	|	|	|	0.64	63.500	0.00	0.12	0.136	O	|	|	|	|	0.44
58.417	0.00	0.16	0.194	O	|	|	|	|	0.63	63.583	0.00	0.11	0.135	O	|	|	|	|	0.44
58.500	0.00	0.16	0.193	O	|	|	|	|	0.63	63.667	0.00	0.11	0.134	O	|	|	|	|	0.44
58.583	0.00	0.16	0.192	O	|	|	|	|	0.63	63.750	0.00	0.11	0.133	O	|	|	|	|	0.44

63.833	0.00	0.11	0.133	O	|	|	|	|	0.43	69.000	0.00	0.08	0.092	O	|	|	|	|	0.30
63.917	0.00	0.11	0.132	O	|	|	|	|	0.43	69.083	0.00	0.08	0.092	O	|	|	|	|	0.30
64.000	0.00	0.11	0.131	O	|	|	|	|	0.43	69.167	0.00	0.08	0.091	O	|	|	|	|	0.30
64.083	0.00	0.11	0.130	O	|	|	|	|	0.43	69.250	0.00	0.08	0.091	O	|	|	|	|	0.30
64.167	0.00	0.11	0.129	O	|	|	|	|	0.42	69.333	0.00	0.08	0.090	O	|	|	|	|	0.29
64.250	0.00	0.11	0.129	O	|	|	|	|	0.42	69.417	0.00	0.08	0.090	O	|	|	|	|	0.29
64.333	0.00	0.11	0.128	O	|	|	|	|	0.42	69.500	0.00	0.08	0.089	O	|	|	|	|	0.29
64.417	0.00	0.11	0.127	O	|	|	|	|	0.42	69.583	0.00	0.08	0.088	O	|	|	|	|	0.29
64.500	0.00	0.11	0.126	O	|	|	|	|	0.41	69.667	0.00	0.07	0.088	O	|	|	|	|	0.29
64.583	0.00	0.11	0.126	O	|	|	|	|	0.41	69.750	0.00	0.07	0.087	O	|	|	|	|	0.29
64.667	0.00	0.11	0.125	O	|	|	|	|	0.41	69.833	0.00	0.07	0.087	O	|	|	|	|	0.28
64.750	0.00	0.11	0.124	O	|	|	|	|	0.41	69.917	0.00	0.07	0.086	O	|	|	|	|	0.28
64.833	0.00	0.10	0.124	O	|	|	|	|	0.40	70.000	0.00	0.07	0.086	O	|	|	|	|	0.28
64.917	0.00	0.10	0.123	O	|	|	|	|	0.40	70.083	0.00	0.07	0.085	O	|	|	|	|	0.28
65.000	0.00	0.10	0.122	O	|	|	|	|	0.40	70.167	0.00	0.07	0.085	O	|	|	|	|	0.28
65.083	0.00	0.10	0.121	O	|	|	|	|	0.40	70.250	0.00	0.07	0.084	O	|	|	|	|	0.28
65.167	0.00	0.10	0.121	O	|	|	|	|	0.39	70.333	0.00	0.07	0.084	O	|	|	|	|	0.27
65.250	0.00	0.10	0.120	O	|	|	|	|	0.39	70.417	0.00	0.07	0.083	O	|	|	|	|	0.27
65.333	0.00	0.10	0.119	O	|	|	|	|	0.39	70.500	0.00	0.07	0.083	O	|	|	|	|	0.27
65.417	0.00	0.10	0.119	O	|	|	|	|	0.39	70.583	0.00	0.07	0.082	O	|	|	|	|	0.27
65.500	0.00	0.10	0.118	O	|	|	|	|	0.39	70.667	0.00	0.07	0.082	O	|	|	|	|	0.27
65.583	0.00	0.10	0.117	O	|	|	|	|	0.38	70.750	0.00	0.07	0.082	O	|	|	|	|	0.27
65.667	0.00	0.10	0.117	O	|	|	|	|	0.38	70.833	0.00	0.07	0.081	O	|	|	|	|	0.26
65.750	0.00	0.10	0.116	O	|	|	|	|	0.38	70.917	0.00	0.07	0.081	O	|	|	|	|	0.26
65.833	0.00	0.10	0.115	O	|	|	|	|	0.38	71.000	0.00	0.07	0.080	O	|	|	|	|	0.26
65.917	0.00	0.10	0.114	O	|	|	|	|	0.37	71.083	0.00	0.07	0.080	O	|	|	|	|	0.26
66.000	0.00	0.10	0.114	O	|	|	|	|	0.37	71.167	0.00	0.07	0.079	O	|	|	|	|	0.26
66.083	0.00	0.10	0.113	O	|	|	|	|	0.37	71.250	0.00	0.07	0.079	O	|	|	|	|	0.26
66.167	0.00	0.10	0.112	O	|	|	|	|	0.37	71.333	0.00	0.07	0.078	O	|	|	|	|	0.26
66.250	0.00	0.10	0.112	O	|	|	|	|	0.37	71.417	0.00	0.07	0.078	O	|	|	|	|	0.25
66.333	0.00	0.09	0.111	O	|	|	|	|	0.36	71.500	0.00	0.07	0.077	O	|	|	|	|	0.25
66.417	0.00	0.09	0.111	O	|	|	|	|	0.36	71.583	0.00	0.07	0.077	O	|	|	|	|	0.25
66.500	0.00	0.09	0.110	O	|	|	|	|	0.36	71.667	0.00	0.06	0.076	O	|	|	|	|	0.25
66.583	0.00	0.09	0.109	O	|	|	|	|	0.36	71.750	0.00	0.06	0.076	O	|	|	|	|	0.25
66.667	0.00	0.09	0.109	O	|	|	|	|	0.35	71.833	0.00	0.06	0.076	O	|	|	|	|	0.25
66.750	0.00	0.09	0.108	O	|	|	|	|	0.35	71.917	0.00	0.06	0.075	O	|	|	|	|	0.25
66.833	0.00	0.09	0.107	O	|	|	|	|	0.35	72.000	0.00	0.06	0.075	O	|	|	|	|	0.24
66.917	0.00	0.09	0.107	O	|	|	|	|	0.35	72.083	0.00	0.06	0.074	O	|	|	|	|	0.24
67.000	0.00	0.09	0.106	O	|	|	|	|	0.35	72.167	0.00	0.06	0.074	O	|	|	|	|	0.24
67.083	0.00	0.09	0.105	O	|	|	|	|	0.34	72.250	0.00	0.06	0.073	O	|	|	|	|	0.24
67.167	0.00	0.09	0.105	O	|	|	|	|	0.34	72.333	0.00	0.06	0.073	O	|	|	|	|	0.24
67.250	0.00	0.09	0.104	O	|	|	|	|	0.34	72.417	0.00	0.06	0.073	O	|	|	|	|	0.24
67.333	0.00	0.09	0.104	O	|	|	|	|	0.34	72.500	0.00	0.06	0.072	O	|	|	|	|	0.24
67.417	0.00	0.09	0.103	O	|	|	|	|	0.34	72.583	0.00	0.06	0.072	O	|	|	|	|	0.23
67.500	0.00	0.09	0.102	O	|	|	|	|	0.33	72.667	0.00	0.06	0.071	O	|	|	|	|	0.23
67.583	0.00	0.09	0.102	O	|	|	|	|	0.33	72.750	0.00	0.06	0.071	O	|	|	|	|	0.23
67.667	0.00	0.09	0.101	O	|	|	|	|	0.33	72.833	0.00	0.06	0.070	O	|	|	|	|	0.23
67.750	0.00	0.09	0.101	O	|	|	|	|	0.33	72.917	0.00	0.06	0.070	O	|	|	|	|	0.23
67.833	0.00	0.09	0.100	O	|	|	|	|	0.33	73.000	0.00	0.06	0.070	O	|	|	|	|	0.23
67.917	0.00	0.08	0.099	O	|	|	|	|	0.33	73.083	0.00	0.06	0.069	O	|	|	|	|	0.23
68.000	0.00	0.08	0.099	O	|	|	|	|	0.32	73.167	0.00	0.06	0.069	O	|	|	|	|	0.22
68.083	0.00	0.08	0.098	O	|	|	|	|	0.32	73.250	0.00	0.06	0.068	O	|	|	|	|	0.22
68.167	0.00	0.08	0.098	O	|	|	|	|	0.32	73.333	0.00	0.06	0.068	O	|	|	|	|	0.22
68.250	0.00	0.08	0.097	O	|	|	|	|	0.32	73.417	0.00	0.06	0.068	O	|	|	|	|	0.22
68.333	0.00	0.08	0.097	O	|	|	|	|	0.32	73.500	0.00	0.06	0.067	O	|	|	|	|	0.22
68.417	0.00	0.08	0.096	O	|	|	|	|	0.31	73.583	0.00	0.06	0.067	O	|	|	|	|	0.22
68.500	0.00	0.08	0.095	O	|	|	|	|	0.31	73.667	0.00	0.06	0.066	O	|	|	|	|	0.22
68.583	0.00	0.08	0.095	O	|	|	|	|	0.31	73.750	0.00	0.06	0.066	O	|	|	|	|	0.22
68.667	0.00	0.08	0.094	O	|	|	|	|	0.31	73.833	0.00	0.06	0.066	O	|	|	|	|	0.21
68.750	0.00	0.08	0.094	O	|	|	|	|	0.31	73.917	0.00	0.06	0.065	O	|	|	|	|	0.21
68.833	0.00	0.08	0.093	O	|	|	|	|	0.30	74.000	0.00	0.06	0.065	O	|	|	|	|	0.21
68.917	0.00	0.08	0.093	O	|	|	|	|	0.30	74.083	0.00	0.05	0.065	O	|	|	|	|	0.21

74.167	0.00	0.05	0.064	O	|	|	|	|	0.21	79.333	0.00	0.04	0.045	O	|	|	|	|	0.15
74.250	0.00	0.05	0.064	O	|	|	|	|	0.21	79.417	0.00	0.04	0.044	O	|	|	|	|	0.14
74.333	0.00	0.05	0.063	O	|	|	|	|	0.21	79.500	0.00	0.04	0.044	O	|	|	|	|	0.14
74.417	0.00	0.05	0.063	O	|	|	|	|	0.21	79.583	0.00	0.04	0.044	O	|	|	|	|	0.14
74.500	0.00	0.05	0.063	O	|	|	|	|	0.20	79.667	0.00	0.04	0.044	O	|	|	|	|	0.14
74.583	0.00	0.05	0.062	O	|	|	|	|	0.20	79.750	0.00	0.04	0.043	O	|	|	|	|	0.14
74.667	0.00	0.05	0.062	O	|	|	|	|	0.20	79.833	0.00	0.04	0.043	O	|	|	|	|	0.14
74.750	0.00	0.05	0.062	O	|	|	|	|	0.20	79.917	0.00	0.04	0.043	O	|	|	|	|	0.14
74.833	0.00	0.05	0.061	O	|	|	|	|	0.20	80.000	0.00	0.04	0.043	O	|	|	|	|	0.14
74.917	0.00	0.05	0.061	O	|	|	|	|	0.20	80.083	0.00	0.04	0.042	O	|	|	|	|	0.14
75.000	0.00	0.05	0.060	O	|	|	|	|	0.20	80.167	0.00	0.04	0.042	O	|	|	|	|	0.14
75.083	0.00	0.05	0.060	O	|	|	|	|	0.20	80.250	0.00	0.04	0.042	O	|	|	|	|	0.14
75.167	0.00	0.05	0.060	O	|	|	|	|	0.20	80.333	0.00	0.04	0.042	O	|	|	|	|	0.14
75.250	0.00	0.05	0.059	O	|	|	|	|	0.19	80.417	0.00	0.04	0.041	O	|	|	|	|	0.14
75.333	0.00	0.05	0.059	O	|	|	|	|	0.19	80.500	0.00	0.03	0.041	O	|	|	|	|	0.13
75.417	0.00	0.05	0.059	O	|	|	|	|	0.19	80.583	0.00	0.03	0.041	O	|	|	|	|	0.13
75.500	0.00	0.05	0.058	O	|	|	|	|	0.19	80.667	0.00	0.03	0.041	O	|	|	|	|	0.13
75.583	0.00	0.05	0.058	O	|	|	|	|	0.19	80.750	0.00	0.03	0.040	O	|	|	|	|	0.13
75.667	0.00	0.05	0.058	O	|	|	|	|	0.19	80.833	0.00	0.03	0.040	O	|	|	|	|	0.13
75.750	0.00	0.05	0.057	O	|	|	|	|	0.19	80.917	0.00	0.03	0.040	O	|	|	|	|	0.13
75.833	0.00	0.05	0.057	O	|	|	|	|	0.19	81.000	0.00	0.03	0.040	O	|	|	|	|	0.13
75.917	0.00	0.05	0.057	O	|	|	|	|	0.19	81.083	0.00	0.03	0.039	O	|	|	|	|	0.13
76.000	0.00	0.05	0.056	O	|	|	|	|	0.18	81.167	0.00	0.03	0.039	O	|	|	|	|	0.13
76.083	0.00	0.05	0.056	O	|	|	|	|	0.18	81.250	0.00	0.03	0.039	O	|	|	|	|	0.13
76.167	0.00	0.05	0.056	O	|	|	|	|	0.18	81.333	0.00	0.03	0.039	O	|	|	|	|	0.13
76.250	0.00	0.05	0.055	O	|	|	|	|	0.18	81.417	0.00	0.03	0.039	O	|	|	|	|	0.13
76.333	0.00	0.05	0.055	O	|	|	|	|	0.18	81.500	0.00	0.03	0.038	O	|	|	|	|	0.13
76.417	0.00	0.05	0.055	O	|	|	|	|	0.18	81.583	0.00	0.03	0.038	O	|	|	|	|	0.12
76.500	0.00	0.05	0.054	O	|	|	|	|	0.18	81.667	0.00	0.03	0.038	O	|	|	|	|	0.12
76.583	0.00	0.05	0.054	O	|	|	|	|	0.18	81.750	0.00	0.03	0.038	O	|	|	|	|	0.12
76.667	0.00	0.05	0.054	O	|	|	|	|	0.18	81.833	0.00	0.03	0.037	O	|	|	|	|	0.12
76.750	0.00	0.05	0.054	O	|	|	|	|	0.17	81.917	0.00	0.03	0.037	O	|	|	|	|	0.12
76.833	0.00	0.05	0.053	O	|	|	|	|	0.17	82.000	0.00	0.03	0.037	O	|	|	|	|	0.12
76.917	0.00	0.04	0.053	O	|	|	|	|	0.17	82.083	0.00	0.03	0.037	O	|	|	|	|	0.12
77.000	0.00	0.04	0.053	O	|	|	|	|	0.17	82.167	0.00	0.03	0.037	O	|	|	|	|	0.12
77.083	0.00	0.04	0.052	O	|	|	|	|	0.17	82.250	0.00	0.03	0.036	O	|	|	|	|	0.12
77.167	0.00	0.04	0.052	O	|	|	|	|	0.17	82.333	0.00	0.03	0.036	O	|	|	|	|	0.12
77.250	0.00	0.04	0.052	O	|	|	|	|	0.17	82.417	0.00	0.03	0.036	O	|	|	|	|	0.12
77.333	0.00	0.04	0.051	O	|	|	|	|	0.17	82.500	0.00	0.03	0.036	O	|	|	|	|	0.12
77.417	0.00	0.04	0.051	O	|	|	|	|	0.17	82.583	0.00	0.03	0.036	O	|	|	|	|	0.12
77.500	0.00	0.04	0.051	O	|	|	|	|	0.17	82.667	0.00	0.03	0.035	O	|	|	|	|	0.12
77.583	0.00	0.04	0.050	O	|	|	|	|	0.16	82.750	0.00	0.03	0.035	O	|	|	|	|	0.11
77.667	0.00	0.04	0.050	O	|	|	|	|	0.16	82.833	0.00	0.03	0.035	O	|	|	|	|	0.11
77.750	0.00	0.04	0.050	O	|	|	|	|	0.16	82.917	0.00	0.03	0.035	O	|	|	|	|	0.11
77.833	0.00	0.04	0.050	O	|	|	|	|	0.16	83.000	0.00	0.03	0.034	O	|	|	|	|	0.11
77.917	0.00	0.04	0.049	O	|	|	|	|	0.16	83.083	0.00	0.03	0.034	O	|	|	|	|	0.11
78.000	0.00	0.04	0.049	O	|	|	|	|	0.16	83.167	0.00	0.03	0.034	O	|	|	|	|	0.11
78.083	0.00	0.04	0.049	O	|	|	|	|	0.16	83.250	0.00	0.03	0.034	O	|	|	|	|	0.11
78.167	0.00	0.04	0.048	O	|	|	|	|	0.16	83.333	0.00	0.03	0.034	O	|	|	|	|	0.11
78.250	0.00	0.04	0.048	O	|	|	|	|	0.16	83.417	0.00	0.03	0.034	O	|	|	|	|	0.11
78.333	0.00	0.04	0.048	O	|	|	|	|	0.16	83.500	0.00	0.03	0.033	O	|	|	|	|	0.11
78.417	0.00	0.04	0.048	O	|	|	|	|	0.16	83.583	0.00	0.03	0.033	O	|	|	|	|	0.11
78.500	0.00	0.04	0.047	O	|	|	|	|	0.15	83.667	0.00	0.03	0.033	O	|	|	|	|	0.11
78.583	0.00	0.04	0.047	O	|	|	|	|	0.15	83.750	0.00	0.03	0.033	O	|	|	|	|	0.11
78.667	0.00	0.04	0.047	O	|	|	|	|	0.15	83.833	0.00	0.03	0.033	O	|	|	|	|	0.11
78.750	0.00	0.04	0.046	O	|	|	|	|	0.15	83.917	0.00	0.03	0.032	O	|	|	|	|	0.11
78.833	0.00	0.04	0.046	O	|	|	|	|	0.15	84.000	0.00	0.03	0.032	O	|	|	|	|	0.11
78.917	0.00	0.04	0.046	O	|	|	|	|	0.15	84.083	0.00	0.03	0.032	O	|	|	|	|	0.10
79.000	0.00	0.04	0.046	O	|	|	|	|	0.15	84.167	0.00	0.03	0.032	O	|	|	|	|	0.10
79.083	0.00	0.04	0.045	O	|	|	|	|	0.15	84.250	0.00	0.03	0.032	O	|	|	|	|	0.10
79.167	0.00	0.04	0.045	O	|	|	|	|	0.15	84.333	0.00	0.03	0.031	O	|	|	|	|	0.10
79.250	0.00	0.04	0.045	O	|	|	|	|	0.15	84.417	0.00	0.03	0.031	O	|	|	|	|	0.10

84.500	0.00	0.03	0.031	O	|	|	|	|	0.10	89.667	0.00	0.02	0.022	O	|	|	|	|	0.07
84.583	0.00	0.03	0.031	O	|	|	|	|	0.10	89.750	0.00	0.02	0.021	O	|	|	|	|	0.07
84.667	0.00	0.03	0.031	O	|	|	|	|	0.10	89.833	0.00	0.02	0.021	O	|	|	|	|	0.07
84.750	0.00	0.03	0.031	O	|	|	|	|	0.10	89.917	0.00	0.02	0.021	O	|	|	|	|	0.07
84.833	0.00	0.03	0.030	O	|	|	|	|	0.10	90.000	0.00	0.02	0.021	O	|	|	|	|	0.07
84.917	0.00	0.03	0.030	O	|	|	|	|	0.10	90.083	0.00	0.02	0.021	O	|	|	|	|	0.07
85.000	0.00	0.03	0.030	O	|	|	|	|	0.10	90.167	0.00	0.02	0.021	O	|	|	|	|	0.07
85.083	0.00	0.03	0.030	O	|	|	|	|	0.10	90.250	0.00	0.02	0.021	O	|	|	|	|	0.07
85.167	0.00	0.03	0.030	O	|	|	|	|	0.10	90.333	0.00	0.02	0.021	O	|	|	|	|	0.07
85.250	0.00	0.03	0.029	O	|	|	|	|	0.10	90.417	0.00	0.02	0.020	O	|	|	|	|	0.07
85.333	0.00	0.02	0.029	O	|	|	|	|	0.10	90.500	0.00	0.02	0.020	O	|	|	|	|	0.07
85.417	0.00	0.02	0.029	O	|	|	|	|	0.10	90.583	0.00	0.02	0.020	O	|	|	|	|	0.07
85.500	0.00	0.02	0.029	O	|	|	|	|	0.09	90.667	0.00	0.02	0.020	O	|	|	|	|	0.07
85.583	0.00	0.02	0.029	O	|	|	|	|	0.09	90.750	0.00	0.02	0.020	O	|	|	|	|	0.07
85.667	0.00	0.02	0.029	O	|	|	|	|	0.09	90.833	0.00	0.02	0.020	O	|	|	|	|	0.07
85.750	0.00	0.02	0.028	O	|	|	|	|	0.09	90.917	0.00	0.02	0.020	O	|	|	|	|	0.06
85.833	0.00	0.02	0.028	O	|	|	|	|	0.09	91.000	0.00	0.02	0.020	O	|	|	|	|	0.06
85.917	0.00	0.02	0.028	O	|	|	|	|	0.09	91.083	0.00	0.02	0.020	O	|	|	|	|	0.06
86.000	0.00	0.02	0.028	O	|	|	|	|	0.09	91.167	0.00	0.02	0.019	O	|	|	|	|	0.06
86.083	0.00	0.02	0.028	O	|	|	|	|	0.09	91.250	0.00	0.02	0.019	O	|	|	|	|	0.06
86.167	0.00	0.02	0.028	O	|	|	|	|	0.09	91.333	0.00	0.02	0.019	O	|	|	|	|	0.06
86.250	0.00	0.02	0.027	O	|	|	|	|	0.09	91.417	0.00	0.02	0.019	O	|	|	|	|	0.06
86.333	0.00	0.02	0.027	O	|	|	|	|	0.09	91.500	0.00	0.02	0.019	O	|	|	|	|	0.06
86.417	0.00	0.02	0.027	O	|	|	|	|	0.09	91.583	0.00	0.02	0.019	O	|	|	|	|	0.06
86.500	0.00	0.02	0.027	O	|	|	|	|	0.09	91.667	0.00	0.02	0.019	O	|	|	|	|	0.06
86.583	0.00	0.02	0.027	O	|	|	|	|	0.09	91.750	0.00	0.02	0.019	O	|	|	|	|	0.06
86.667	0.00	0.02	0.027	O	|	|	|	|	0.09	91.833	0.00	0.02	0.019	O	|	|	|	|	0.06
86.750	0.00	0.02	0.027	O	|	|	|	|	0.09	91.917	0.00	0.02	0.018	O	|	|	|	|	0.06
86.833	0.00	0.02	0.026	O	|	|	|	|	0.09	92.000	0.00	0.02	0.018	O	|	|	|	|	0.06
86.917	0.00	0.02	0.026	O	|	|	|	|	0.09	92.083	0.00	0.02	0.018	O	|	|	|	|	0.06
87.000	0.00	0.02	0.026	O	|	|	|	|	0.09	92.167	0.00	0.02	0.018	O	|	|	|	|	0.06
87.083	0.00	0.02	0.026	O	|	|	|	|	0.08	92.250	0.00	0.02	0.018	O	|	|	|	|	0.06
87.167	0.00	0.02	0.026	O	|	|	|	|	0.08	92.333	0.00	0.02	0.018	O	|	|	|	|	0.06
87.250	0.00	0.02	0.026	O	|	|	|	|	0.08	92.417	0.00	0.02	0.018	O	|	|	|	|	0.06
87.333	0.00	0.02	0.025	O	|	|	|	|	0.08	92.500	0.00	0.02	0.018	O	|	|	|	|	0.06
87.417	0.00	0.02	0.025	O	|	|	|	|	0.08	92.583	0.00	0.01	0.018	O	|	|	|	|	0.06
87.500	0.00	0.02	0.025	O	|	|	|	|	0.08	92.667	0.00	0.01	0.017	O	|	|	|	|	0.06
87.583	0.00	0.02	0.025	O	|	|	|	|	0.08	92.750	0.00	0.01	0.017	O	|	|	|	|	0.06
87.667	0.00	0.02	0.025	O	|	|	|	|	0.08	92.833	0.00	0.01	0.017	O	|	|	|	|	0.06
87.750	0.00	0.02	0.025	O	|	|	|	|	0.08	92.917	0.00	0.01	0.017	O	|	|	|	|	0.06
87.833	0.00	0.02	0.025	O	|	|	|	|	0.08	93.000	0.00	0.01	0.017	O	|	|	|	|	0.06
87.917	0.00	0.02	0.024	O	|	|	|	|	0.08	93.083	0.00	0.01	0.017	O	|	|	|	|	0.06
88.000	0.00	0.02	0.024	O	|	|	|	|	0.08	93.167	0.00	0.01	0.017	O	|	|	|	|	0.06
88.083	0.00	0.02	0.024	O	|	|	|	|	0.08	93.250	0.00	0.01	0.017	O	|	|	|	|	0.05
88.167	0.00	0.02	0.024	O	|	|	|	|	0.08	93.333	0.00	0.01	0.017	O	|	|	|	|	0.05
88.250	0.00	0.02	0.024	O	|	|	|	|	0.08	93.417	0.00	0.01	0.017	O	|	|	|	|	0.05
88.333	0.00	0.02	0.024	O	|	|	|	|	0.08	93.500	0.00	0.01	0.017	O	|	|	|	|	0.05
88.417	0.00	0.02	0.024	O	|	|	|	|	0.08	93.583	0.00	0.01	0.016	O	|	|	|	|	0.05
88.500	0.00	0.02	0.023	O	|	|	|	|	0.08	93.667	0.00	0.01	0.016	O	|	|	|	|	0.05
88.583	0.00	0.02	0.023	O	|	|	|	|	0.08	93.750	0.00	0.01	0.016	O	|	|	|	|	0.05
88.667	0.00	0.02	0.023	O	|	|	|	|	0.08	93.833	0.00	0.01	0.016	O	|	|	|	|	0.05
88.750	0.00	0.02	0.023	O	|	|	|	|	0.08	93.917	0.00	0.01	0.016	O	|	|	|	|	0.05
88.833	0.00	0.02	0.023	O	|	|	|	|	0.07	94.000	0.00	0.01	0.016	O	|	|	|	|	0.05
88.917	0.00	0.02	0.023	O	|	|	|	|	0.07	94.083	0.00	0.01	0.016	O	|	|	|	|	0.05
89.000	0.00	0.02	0.023	O	|	|	|	|	0.07	94.167	0.00	0.01	0.016	O	|	|	|	|	0.05
89.083	0.00	0.02	0.023	O	|	|	|	|	0.07	94.250	0.00	0.01	0.016	O	|	|	|	|	0.05
89.167	0.00	0.02	0.022	O	|	|	|	|	0.07	94.333	0.00	0.01	0.016	O	|	|	|	|	0.05
89.250	0.00	0.02	0.022	O	|	|	|	|	0.07	94.417	0.00	0.01	0.015	O	|	|	|	|	0.05
89.333	0.00	0.02	0.022	O	|	|	|	|	0.07	94.500	0.00	0.01	0.015	O	|	|	|	|	0.05
89.417	0.00	0.02	0.022	O	|	|	|	|	0.07	94.583	0.00	0.01	0.015	O	|	|	|	|	0.05
89.500	0.00	0.02	0.022	O	|	|	|	|	0.07	94.667	0.00	0.01	0.015	O	|	|	|	|	0.05
89.583	0.00	0.02	0.022	O	|	|	|	|	0.07	94.750	0.00	0.01	0.015	O	|	|	|	|	0.05

94.833	0.00	0.01	0.015	O					0.05	100.000	0.00	0.01	0.010	O					0.03
94.917	0.00	0.01	0.015	O					0.05	100.083	0.00	0.01	0.010	O					0.03
95.000	0.00	0.01	0.015	O					0.05	100.167	0.00	0.01	0.010	O					0.03
95.083	0.00	0.01	0.015	O					0.05	100.250	0.00	0.01	0.010	O					0.03
95.167	0.00	0.01	0.015	O					0.05	100.333	0.00	0.01	0.010	O					0.03
95.250	0.00	0.01	0.015	O					0.05	100.417	0.00	0.01	0.010	O					0.03
95.333	0.00	0.01	0.015	O					0.05	100.500	0.00	0.01	0.010	O					0.03
95.417	0.00	0.01	0.014	O					0.05	100.583	0.00	0.01	0.010	O					0.03
95.500	0.00	0.01	0.014	O					0.05	100.667	0.00	0.01	0.010	O					0.03
95.583	0.00	0.01	0.014	O					0.05	100.750	0.00	0.01	0.010	O					0.03
95.667	0.00	0.01	0.014	O					0.05	100.833	0.00	0.01	0.010	O					0.03
95.750	0.00	0.01	0.014	O					0.05	100.917	0.00	0.01	0.010	O					0.03
95.833	0.00	0.01	0.014	O					0.05	101.000	0.00	0.01	0.010	O					0.03
95.917	0.00	0.01	0.014	O					0.05	101.083	0.00	0.01	0.010	O					0.03
96.000	0.00	0.01	0.014	O					0.05	101.167	0.00	0.01	0.010	O					0.03
96.083	0.00	0.01	0.014	O					0.04	101.250	0.00	0.01	0.010	O					0.03
96.167	0.00	0.01	0.014	O					0.04	101.333	0.00	0.01	0.010	O					0.03
96.250	0.00	0.01	0.014	O					0.04	101.417	0.00	0.01	0.009	O					0.03
96.333	0.00	0.01	0.014	O					0.04	101.500	0.00	0.01	0.009	O					0.03
96.417	0.00	0.01	0.013	O					0.04	101.583	0.00	0.01	0.009	O					0.03
96.500	0.00	0.01	0.013	O					0.04	101.667	0.00	0.01	0.009	O					0.03
96.583	0.00	0.01	0.013	O					0.04	101.750	0.00	0.01	0.009	O					0.03
96.667	0.00	0.01	0.013	O					0.04	101.833	0.00	0.01	0.009	O					0.03
96.750	0.00	0.01	0.013	O					0.04	101.917	0.00	0.01	0.009	O					0.03
96.833	0.00	0.01	0.013	O					0.04	102.000	0.00	0.01	0.009	O					0.03
96.917	0.00	0.01	0.013	O					0.04	102.083	0.00	0.01	0.009	O					0.03
97.000	0.00	0.01	0.013	O					0.04	102.167	0.00	0.01	0.009	O					0.03
97.083	0.00	0.01	0.013	O					0.04	102.250	0.00	0.01	0.009	O					0.03
97.167	0.00	0.01	0.013	O					0.04	102.333	0.00	0.01	0.009	O					0.03
97.250	0.00	0.01	0.013	O					0.04	102.417	0.00	0.01	0.009	O					0.03
97.333	0.00	0.01	0.013	O					0.04	102.500	0.00	0.01	0.009	O					0.03
97.417	0.00	0.01	0.013	O					0.04	102.583	0.00	0.01	0.009	O					0.03
97.500	0.00	0.01	0.012	O					0.04	102.667	0.00	0.01	0.009	O					0.03
97.583	0.00	0.01	0.012	O					0.04	102.750	0.00	0.01	0.009	O					0.03
97.667	0.00	0.01	0.012	O					0.04	102.833	0.00	0.01	0.009	O					0.03
97.750	0.00	0.01	0.012	O					0.04	102.917	0.00	0.01	0.009	O					0.03
97.833	0.00	0.01	0.012	O					0.04	103.000	0.00	0.01	0.008	O					0.03
97.917	0.00	0.01	0.012	O					0.04	103.083	0.00	0.01	0.008	O					0.03
98.000	0.00	0.01	0.012	O					0.04	103.167	0.00	0.01	0.008	O					0.03
98.083	0.00	0.01	0.012	O					0.04	103.250	0.00	0.01	0.008	O					0.03
98.167	0.00	0.01	0.012	O					0.04	103.333	0.00	0.01	0.008	O					0.03
98.250	0.00	0.01	0.012	O					0.04	103.417	0.00	0.01	0.008	O					0.03
98.333	0.00	0.01	0.012	O					0.04	103.500	0.00	0.01	0.008	O					0.03
98.417	0.00	0.01	0.012	O					0.04	103.583	0.00	0.01	0.008	O					0.03
98.500	0.00	0.01	0.012	O					0.04	103.667	0.00	0.01	0.008	O					0.03
98.583	0.00	0.01	0.012	O					0.04	103.750	0.00	0.01	0.008	O					0.03
98.667	0.00	0.01	0.011	O					0.04	103.833	0.00	0.01	0.008	O					0.03
98.750	0.00	0.01	0.011	O					0.04	103.917	0.00	0.01	0.008	O					0.03
98.833	0.00	0.01	0.011	O					0.04	104.000	0.00	0.01	0.008	O					0.03
98.917	0.00	0.01	0.011	O					0.04	104.083	0.00	0.01	0.008	O					0.03
99.000	0.00	0.01	0.011	O					0.04	104.167	0.00	0.01	0.008	O					0.03
99.083	0.00	0.01	0.011	O					0.04	104.250	0.00	0.01	0.008	O					0.03
99.167	0.00	0.01	0.011	O					0.04	104.333	0.00	0.01	0.008	O					0.03
99.250	0.00	0.01	0.011	O					0.04	104.417	0.00	0.01	0.008	O					0.03
99.333	0.00	0.01	0.011	O					0.04	104.500	0.00	0.01	0.008	O					0.02
99.417	0.00	0.01	0.011	O					0.04	104.583	0.00	0.01	0.008	O					0.02
99.500	0.00	0.01	0.011	O					0.04	104.667	0.00	0.01	0.008	O					0.02
99.583	0.00	0.01	0.011	O					0.04	104.750	0.00	0.01	0.007	O					0.02
99.667	0.00	0.01	0.011	O					0.03	104.833	0.00	0.01	0.007	O					0.02
99.750	0.00	0.01	0.011	O					0.03	104.917	0.00	0.01	0.007	O					0.02
99.833	0.00	0.01	0.011	O					0.03	105.000	0.00	0.01	0.007	O					0.02
99.917	0.00	0.01	0.011	O					0.03	105.083	0.00	0.01	0.007	O					0.02

105.167	0.00	0.01	0.007	O					0.02	110.333	0.00	0.00	0.005	O					0.02
105.250	0.00	0.01	0.007	O					0.02	110.417	0.00	0.00	0.005	O					0.02
105.333	0.00	0.01	0.007	O					0.02	110.500	0.00	0.00	0.005	O					0.02
105.417	0.00	0.01	0.007	O					0.02	110.583	0.00	0.00	0.005	O					0.02
105.500	0.00	0.01	0.007	O					0.02	110.667	0.00	0.00	0.005	O					0.02
105.583	0.00	0.01	0.007	O					0.02	110.750	0.00	0.00	0.005	O					0.02
105.667	0.00	0.01	0.007	O					0.02	110.833	0.00	0.00	0.005	O					0.02
105.750	0.00	0.01	0.007	O					0.02	110.917	0.00	0.00	0.005	O					0.02
105.833	0.00	0.01	0.007	O					0.02	111.000	0.00	0.00	0.005	O					0.02
105.917	0.00	0.01	0.007	O					0.02	111.083	0.00	0.00	0.005	O					0.02
106.000	0.00	0.01	0.007	O					0.02	111.167	0.00	0.00	0.005	O					0.02
106.083	0.00	0.01	0.007	O					0.02	111.250	0.00	0.00	0.005	O					0.02
106.167	0.00	0.01	0.007	O					0.02	111.333	0.00	0.00	0.005	O					0.02
106.250	0.00	0.01	0.007	O					0.02	111.417	0.00	0.00	0.005	O					0.02
106.333	0.00	0.01	0.007	O					0.02	111.500	0.00	0.00	0.005	O					0.02
106.417	0.00	0.01	0.007	O					0.02	111.583	0.00	0.00	0.005	O					0.02
106.500	0.00	0.01	0.007	O					0.02	111.667	0.00	0.00	0.005	O					0.02
106.583	0.00	0.01	0.007	O					0.02	111.750	0.00	0.00	0.005	O					0.01
106.667	0.00	0.01	0.007	O					0.02	111.833	0.00	0.00	0.005	O					0.01
106.750	0.00	0.01	0.007	O					0.02	111.917	0.00	0.00	0.005	O					0.01
106.833	0.00	0.01	0.006	O					0.02	112.000	0.00	0.00	0.005	O					0.01
106.917	0.00	0.01	0.006	O					0.02	112.083	0.00	0.00	0.004	O					0.01
107.000	0.00	0.01	0.006	O					0.02	112.167	0.00	0.00	0.004	O					0.01
107.083	0.00	0.01	0.006	O					0.02	112.250	0.00	0.00	0.004	O					0.01
107.167	0.00	0.01	0.006	O					0.02	112.333	0.00	0.00	0.004	O					0.01
107.250	0.00	0.01	0.006	O					0.02	112.417	0.00	0.00	0.004	O					0.01
107.333	0.00	0.01	0.006	O					0.02	112.500	0.00	0.00	0.004	O					0.01
107.417	0.00	0.01	0.006	O					0.02	112.583	0.00	0.00	0.004	O					0.01
107.500	0.00	0.01	0.006	O					0.02	112.667	0.00	0.00	0.004	O					0.01
107.583	0.00	0.01	0.006	O					0.02	112.750	0.00	0.00	0.004	O					0.01
107.667	0.00	0.01	0.006	O					0.02	112.833	0.00	0.00	0.004	O					0.01
107.750	0.00	0.01	0.006	O					0.02	112.917	0.00	0.00	0.004	O					0.01
107.833	0.00	0.01	0.006	O					0.02	113.000	0.00	0.00	0.004	O					0.01
107.917	0.00	0.01	0.006	O					0.02	113.083	0.00	0.00	0.004	O					0.01
108.000	0.00	0.01	0.006	O					0.02	113.167	0.00	0.00	0.004	O					0.01
108.083	0.00	0.01	0.006	O					0.02	113.250	0.00	0.00	0.004	O					0.01
108.167	0.00	0.01	0.006	O					0.02	113.333	0.00	0.00	0.004	O					0.01
108.250	0.00	0.00	0.006	O					0.02	113.417	0.00	0.00	0.004	O					0.01
108.333	0.00	0.00	0.006	O					0.02	113.500	0.00	0.00	0.004	O					0.01
108.417	0.00	0.00	0.006	O					0.02	113.583	0.00	0.00	0.004	O					0.01
108.500	0.00	0.00	0.006	O					0.02	113.667	0.00	0.00	0.004	O					0.01
108.583	0.00	0.00	0.006	O					0.02	113.750	0.00	0.00	0.004	O					0.01
108.667	0.00	0.00	0.006	O					0.02	113.833	0.00	0.00	0.004	O					0.01
108.750	0.00	0.00	0.006	O					0.02	113.917	0.00	0.00	0.004	O					0.01
108.833	0.00	0.00	0.006	O					0.02	114.000	0.00	0.00	0.004	O					0.01
108.917	0.00	0.00	0.006	O					0.02	114.083	0.00	0.00	0.004	O					0.01
109.000	0.00	0.00	0.006	O					0.02	114.167	0.00	0.00	0.004	O					0.01
109.083	0.00	0.00	0.006	O					0.02	114.250	0.00	0.00	0.004	O					0.01
109.167	0.00	0.00	0.005	O					0.02	114.333	0.00	0.00	0.004	O					0.01
109.250	0.00	0.00	0.005	O					0.02	114.417	0.00	0.00	0.004	O					0.01
109.333	0.00	0.00	0.005	O					0.02	114.500	0.00	0.00	0.004	O					0.01
109.417	0.00	0.00	0.005	O					0.02	114.583	0.00	0.00	0.004	O					0.01
109.500	0.00	0.00	0.005	O					0.02	114.667	0.00	0.00	0.004	O					0.01
109.583	0.00	0.00	0.005	O					0.02	114.750	0.00	0.00	0.004	O					0.01
109.667	0.00	0.00	0.005	O					0.02	114.833	0.00	0.00	0.004	O					0.01
109.750	0.00	0.00	0.005	O					0.02	114.917	0.00	0.00	0.004	O					0.01
109.833	0.00	0.00	0.005	O					0.02	115.000	0.00	0.00	0.004	O					0.01
109.917	0.00	0.00	0.005	O					0.02	115.083	0.00	0.00	0.004	O					0.01
110.000	0.00	0.00	0.005	O					0.02	115.167	0.00	0.00	0.004	O					0.01
110.083	0.00	0.00	0.005	O					0.02	115.250	0.00	0.00	0.004	O					0.01
110.167	0.00	0.00	0.005	O					0.02	115.333	0.00	0.00	0.004	O					0.01
110.250	0.00	0.00	0.005	O					0.02	115.417	0.00	0.00	0.004	O					0.01

115.500	0.00	0.00	0.004	O	|	|	|	|	0.01	120.667	0.00	0.00	0.002	O	|	|	|	|	0.01
115.583	0.00	0.00	0.004	O	|	|	|	|	0.01	120.750	0.00	0.00	0.002	O	|	|	|	|	0.01
115.667	0.00	0.00	0.003	O	|	|	|	|	0.01	120.833	0.00	0.00	0.002	O	|	|	|	|	0.01
115.750	0.00	0.00	0.003	O	|	|	|	|	0.01	120.917	0.00	0.00	0.002	O	|	|	|	|	0.01
115.833	0.00	0.00	0.003	O	|	|	|	|	0.01	121.000	0.00	0.00	0.002	O	|	|	|	|	0.01
115.917	0.00	0.00	0.003	O	|	|	|	|	0.01	121.083	0.00	0.00	0.002	O	|	|	|	|	0.01
116.000	0.00	0.00	0.003	O	|	|	|	|	0.01	121.167	0.00	0.00	0.002	O	|	|	|	|	0.01
116.083	0.00	0.00	0.003	O	|	|	|	|	0.01	121.250	0.00	0.00	0.002	O	|	|	|	|	0.01
116.167	0.00	0.00	0.003	O	|	|	|	|	0.01	121.333	0.00	0.00	0.002	O	|	|	|	|	0.01
116.250	0.00	0.00	0.003	O	|	|	|	|	0.01	121.417	0.00	0.00	0.002	O	|	|	|	|	0.01
116.333	0.00	0.00	0.003	O	|	|	|	|	0.01	121.500	0.00	0.00	0.002	O	|	|	|	|	0.01
116.417	0.00	0.00	0.003	O	|	|	|	|	0.01	121.583	0.00	0.00	0.002	O	|	|	|	|	0.01
116.500	0.00	0.00	0.003	O	|	|	|	|	0.01	121.667	0.00	0.00	0.002	O	|	|	|	|	0.01
116.583	0.00	0.00	0.003	O	|	|	|	|	0.01	121.750	0.00	0.00	0.002	O	|	|	|	|	0.01
116.667	0.00	0.00	0.003	O	|	|	|	|	0.01	121.833	0.00	0.00	0.002	O	|	|	|	|	0.01
116.750	0.00	0.00	0.003	O	|	|	|	|	0.01	121.917	0.00	0.00	0.002	O	|	|	|	|	0.01
116.833	0.00	0.00	0.003	O	|	|	|	|	0.01	122.000	0.00	0.00	0.002	O	|	|	|	|	0.01
116.917	0.00	0.00	0.003	O	|	|	|	|	0.01	122.083	0.00	0.00	0.002	O	|	|	|	|	0.01
117.000	0.00	0.00	0.003	O	|	|	|	|	0.01	122.167	0.00	0.00	0.002	O	|	|	|	|	0.01
117.083	0.00	0.00	0.003	O	|	|	|	|	0.01	122.250	0.00	0.00	0.002	O	|	|	|	|	0.01
117.167	0.00	0.00	0.003	O	|	|	|	|	0.01	122.333	0.00	0.00	0.002	O	|	|	|	|	0.01
117.250	0.00	0.00	0.003	O	|	|	|	|	0.01	122.417	0.00	0.00	0.002	O	|	|	|	|	0.01
117.333	0.00	0.00	0.003	O	|	|	|	|	0.01	122.500	0.00	0.00	0.002	O	|	|	|	|	0.01
117.417	0.00	0.00	0.003	O	|	|	|	|	0.01	122.583	0.00	0.00	0.002	O	|	|	|	|	0.01
117.500	0.00	0.00	0.003	O	|	|	|	|	0.01	122.667	0.00	0.00	0.002	O	|	|	|	|	0.01
117.583	0.00	0.00	0.003	O	|	|	|	|	0.01	122.750	0.00	0.00	0.002	O	|	|	|	|	0.01
117.667	0.00	0.00	0.003	O	|	|	|	|	0.01	122.833	0.00	0.00	0.002	O	|	|	|	|	0.01
117.750	0.00	0.00	0.003	O	|	|	|	|	0.01	122.917	0.00	0.00	0.002	O	|	|	|	|	0.01
117.833	0.00	0.00	0.003	O	|	|	|	|	0.01	123.000	0.00	0.00	0.002	O	|	|	|	|	0.01
117.917	0.00	0.00	0.003	O	|	|	|	|	0.01	123.083	0.00	0.00	0.002	O	|	|	|	|	0.01
118.000	0.00	0.00	0.003	O	|	|	|	|	0.01	123.167	0.00	0.00	0.002	O	|	|	|	|	0.01
118.083	0.00	0.00	0.003	O	|	|	|	|	0.01	123.250	0.00	0.00	0.002	O	|	|	|	|	0.01
118.167	0.00	0.00	0.003	O	|	|	|	|	0.01	123.333	0.00	0.00	0.002	O	|	|	|	|	0.01
118.250	0.00	0.00	0.003	O	|	|	|	|	0.01	123.417	0.00	0.00	0.002	O	|	|	|	|	0.01
118.333	0.00	0.00	0.003	O	|	|	|	|	0.01	123.500	0.00	0.00	0.002	O	|	|	|	|	0.01
118.417	0.00	0.00	0.003	O	|	|	|	|	0.01	123.583	0.00	0.00	0.002	O	|	|	|	|	0.01
118.500	0.00	0.00	0.003	O	|	|	|	|	0.01	123.667	0.00	0.00	0.002	O	|	|	|	|	0.01
118.583	0.00	0.00	0.003	O	|	|	|	|	0.01	123.750	0.00	0.00	0.002	O	|	|	|	|	0.01
118.667	0.00	0.00	0.003	O	|	|	|	|	0.01	123.833	0.00	0.00	0.002	O	|	|	|	|	0.01
118.750	0.00	0.00	0.003	O	|	|	|	|	0.01	123.917	0.00	0.00	0.002	O	|	|	|	|	0.01
118.833	0.00	0.00	0.003	O	|	|	|	|	0.01	124.000	0.00	0.00	0.002	O	|	|	|	|	0.01
118.917	0.00	0.00	0.003	O	|	|	|	|	0.01	124.083	0.00	0.00	0.002	O	|	|	|	|	0.01
119.000	0.00	0.00	0.003	O	|	|	|	|	0.01	124.167	0.00	0.00	0.002	O	|	|	|	|	0.01
119.083	0.00	0.00	0.003	O	|	|	|	|	0.01	124.250	0.00	0.00	0.002	O	|	|	|	|	0.01
119.167	0.00	0.00	0.003	O	|	|	|	|	0.01	124.333	0.00	0.00	0.002	O	|	|	|	|	0.01
119.250	0.00	0.00	0.003	O	|	|	|	|	0.01	124.417	0.00	0.00	0.002	O	|	|	|	|	0.01
119.333	0.00	0.00	0.003	O	|	|	|	|	0.01	124.500	0.00	0.00	0.002	O	|	|	|	|	0.01
119.417	0.00	0.00	0.003	O	|	|	|	|	0.01	124.583	0.00	0.00	0.002	O	|	|	|	|	0.01
119.500	0.00	0.00	0.003	O	|	|	|	|	0.01	124.667	0.00	0.00	0.002	O	|	|	|	|	0.01
119.583	0.00	0.00	0.003	O	|	|	|	|	0.01	124.750	0.00	0.00	0.002	O	|	|	|	|	0.01
119.667	0.00	0.00	0.003	O	|	|	|	|	0.01	124.833	0.00	0.00	0.002	O	|	|	|	|	0.01
119.750	0.00	0.00	0.003	O	|	|	|	|	0.01	124.917	0.00	0.00	0.002	O	|	|	|	|	0.01
119.833	0.00	0.00	0.003	O	|	|	|	|	0.01	125.000	0.00	0.00	0.002	O	|	|	|	|	0.01
119.917	0.00	0.00	0.003	O	|	|	|	|	0.01	125.083	0.00	0.00	0.002	O	|	|	|	|	0.01
120.000	0.00	0.00	0.003	O	|	|	|	|	0.01	125.167	0.00	0.00	0.002	O	|	|	|	|	0.01
120.083	0.00	0.00	0.003	O	|	|	|	|	0.01	125.250	0.00	0.00	0.002	O	|	|	|	|	0.01
120.167	0.00	0.00	0.003	O	|	|	|	|	0.01	125.333	0.00	0.00	0.002	O	|	|	|	|	0.01
120.250	0.00	0.00	0.003	O	|	|	|	|	0.01	125.417	0.00	0.00	0.002	O	|	|	|	|	0.01
120.333	0.00	0.00	0.003	O	|	|	|	|	0.01	125.500	0.00	0.00	0.002	O	|	|	|	|	0.01
120.417	0.00	0.00	0.002	O	|	|	|	|	0.01	125.583	0.00	0.00	0.002	O	|	|	|	|	0.01
120.500	0.00	0.00	0.002	O	|	|	|	|	0.01	125.667	0.00	0.00	0.002	O	|	|	|	|	0.01
120.583	0.00	0.00	0.002	O	|	|	|	|	0.01	125.750	0.00	0.00	0.002	O	|	|	|	|	0.01

125.833	0.00	0.00	0.002	O	|	|	|	|	0.01
125.917	0.00	0.00	0.002	O	|	|	|	|	0.01
126.000	0.00	0.00	0.002	O	|	|	|	|	0.01
126.083	0.00	0.00	0.002	O	|	|	|	|	0.01
126.167	0.00	0.00	0.002	O	|	|	|	|	0.01
126.250	0.00	0.00	0.002	O	|	|	|	|	0.01
126.333	0.00	0.00	0.002	O	|	|	|	|	0.01
126.417	0.00	0.00	0.002	O	|	|	|	|	0.01
126.500	0.00	0.00	0.002	O	|	|	|	|	0.01
126.583	0.00	0.00	0.002	O	|	|	|	|	0.01
126.667	0.00	0.00	0.002	O	|	|	|	|	0.01
126.750	0.00	0.00	0.002	O	|	|	|	|	0.01
126.833	0.00	0.00	0.002	O	|	|	|	|	0.01
126.917	0.00	0.00	0.002	O	|	|	|	|	0.01
127.000	0.00	0.00	0.002	O	|	|	|	|	0.01
127.083	0.00	0.00	0.002	O	|	|	|	|	0.01
127.167	0.00	0.00	0.002	O	|	|	|	|	0.01
127.250	0.00	0.00	0.002	O	|	|	|	|	0.01
127.333	0.00	0.00	0.002	O	|	|	|	|	0.01
127.417	0.00	0.00	0.002	O	|	|	|	|	0.00
127.500	0.00	0.00	0.002	O	|	|	|	|	0.00
127.583	0.00	0.00	0.002	O	|	|	|	|	0.00
127.667	0.00	0.00	0.001	O	|	|	|	|	0.00
127.750	0.00	0.00	0.001	O	|	|	|	|	0.00
127.833	0.00	0.00	0.001	O	|	|	|	|	0.00
127.917	0.00	0.00	0.001	O	|	|	|	|	0.00
128.000	0.00	0.00	0.001	O	|	|	|	|	0.00
128.083	0.00	0.00	0.001	O	|	|	|	|	0.00
128.167	0.00	0.00	0.001	O	|	|	|	|	0.00
128.250	0.00	0.00	0.001	O	|	|	|	|	0.00
128.333	0.00	0.00	0.001	O	|	|	|	|	0.00
128.417	0.00	0.00	0.001	O	|	|	|	|	0.00
128.500	0.00	0.00	0.001	O	|	|	|	|	0.00
128.583	0.00	0.00	0.001	O	|	|	|	|	0.00
128.667	0.00	0.00	0.001	O	|	|	|	|	0.00
128.750	0.00	0.00	0.001	O	|	|	|	|	0.00
128.833	0.00	0.00	0.001	O	|	|	|	|	0.00
128.917	0.00	0.00	0.001	O	|	|	|	|	0.00
129.000	0.00	0.00	0.001	O	|	|	|	|	0.00
129.083	0.00	0.00	0.001	O	|	|	|	|	0.00
129.167	0.00	0.00	0.001	O	|	|	|	|	0.00
129.250	0.00	0.00	0.001	O	|	|	|	|	0.00
129.333	0.00	0.00	0.001	O	|	|	|	|	0.00
129.417	0.00	0.00	0.001	O	|	|	|	|	0.00
129.500	0.00	0.00	0.001	O	|	|	|	|	0.00
129.583	0.00	0.00	0.001	O	|	|	|	|	0.00
129.667	0.00	0.00	0.001	O	|	|	|	|	0.00
129.750	0.00	0.00	0.001	O	|	|	|	|	0.00
129.833	0.00	0.00	0.001	O	|	|	|	|	0.00
129.917	0.00	0.00	0.001	O	|	|	|	|	0.00
130.000	0.00	0.00	0.001	O	|	|	|	|	0.00
130.083	0.00	0.00	0.001	O	|	|	|	|	0.00
130.167	0.00	0.00	0.001	O	|	|	|	|	0.00
130.250	0.00	0.00	0.001	O	|	|	|	|	0.00
130.333	0.00	0.00	0.001	O	|	|	|	|	0.00
130.417	0.00	0.00	0.001	O	|	|	|	|	0.00
130.500	0.00	0.00	0.001	O	|	|	|	|	0.00
130.583	0.00	0.00	0.001	O	|	|	|	|	0.00
130.667	0.00	0.00	0.001	O	|	|	|	|	0.00
130.750	0.00	0.00	0.001	O	|	|	|	|	0.00
130.833	0.00	0.00	0.001	O	|	|	|	|	0.00
130.917	0.00	0.00	0.001	O	|	|	|	|	0.00
131.000	0.00	0.00	0.001	O	|	|	|	|	0.00
131.083	0.00	0.00	0.001	O	|	|	|	|	0.00
131.167	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1574
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.512 (CFS)
Total volume = 12.832 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	3.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	4.460	0.000	0.000	0.000	0.000

****

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Process from Point/Station 5.300 to Point/Station 5.300

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 1 the total
volume of 4.46 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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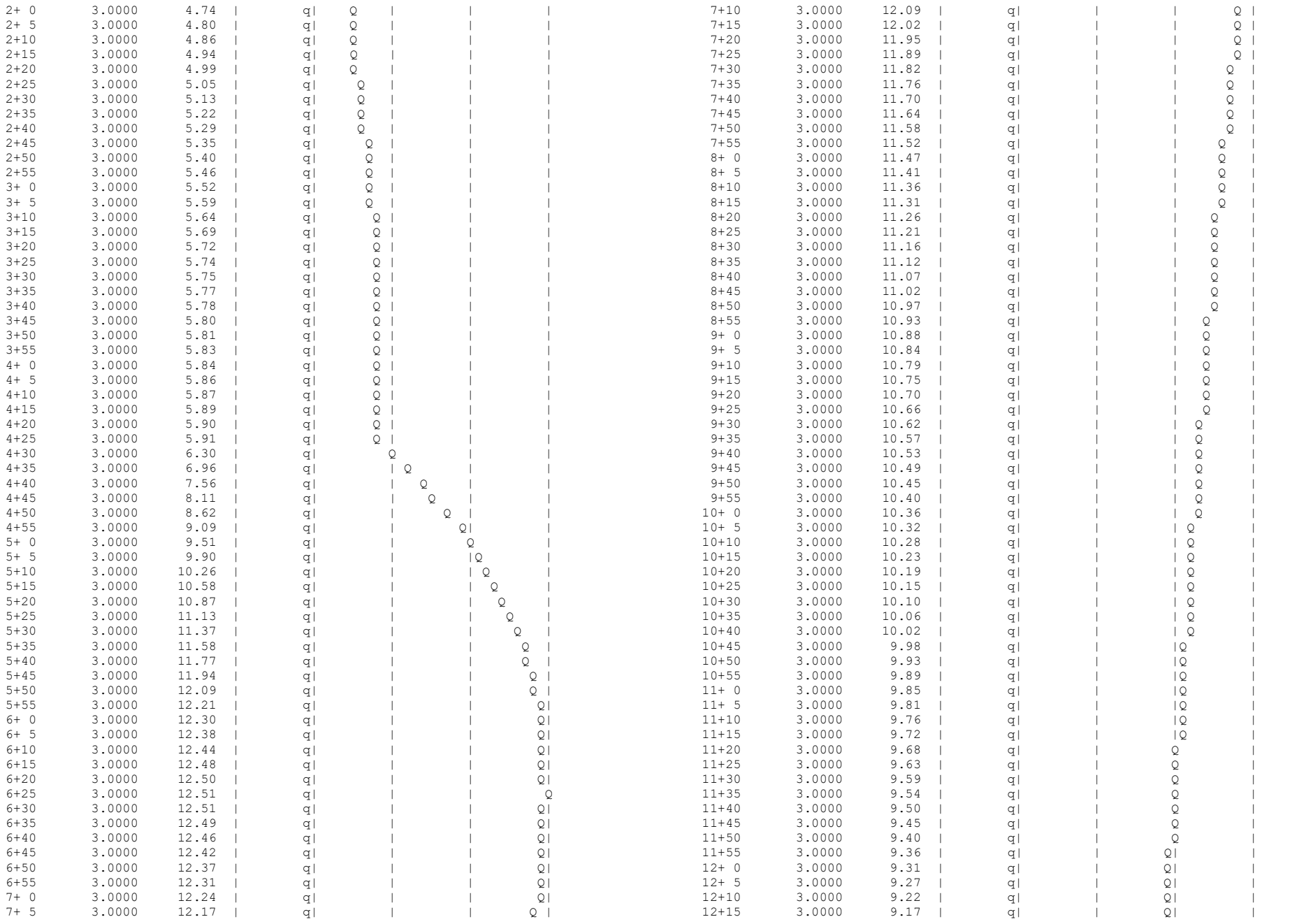
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	3.1	6.3	9.4	12.5
0+ 5	0.0898	0.09	Q	|	|	|	|
0+10	0.7851	0.80	| Q	|	|	|	|
0+15	2.3360	2.37	| Q	|	|	|	|
0+20	3.0000	3.06	| Q|	|	|	|	|
0+25	3.0000	3.09	| Q|	|	|	|	|
0+30	3.0000	3.12	| Q|	|	|	|	|
0+35	3.0000	3.16	| qQ	|	|	|	|
0+40	3.0000	3.20	| qQ	|	|	|	|
0+45	3.0000	3.25	| qQ	|	|	|	|
0+50	3.0000	3.35	| qQ	|	|	|	|
0+55	3.0000	3.47	| q|Q	|	|	|	|
1+ 0	3.0000	3.59	| q|Q	|	|	|	|
1+ 5	3.0000	3.73	| q|Q	|	|	|	|
1+10	3.0000	3.88	| q| Q	|	|	|	|
1+15	3.0000	4.03	| q| Q	|	|	|	|
1+20	3.0000	4.14	| q| Q	|	|	|	|
1+25	3.0000	4.21	| q| Q	|	|	|	|
1+30	3.0000	4.29	| q| Q	|	|	|	|
1+35	3.0000	4.37	| q| Q	|	|	|	|
1+40	3.0000	4.46	| q| Q	|	|	|	|
1+45	3.0000	4.54	| q| Q	|	|	|	|
1+50	3.0000	4.61	| q| Q	|	|	|	|
1+55	3.0000	4.67	| q| Q	|	|	|	|



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22+40	0.0035	2.66	q	Q					27+50	0.0000	2.38	q	Q						
22+45	0.0032	2.65	q	Q					27+55	0.0000	2.37	q	Q						
22+50	0.0029	2.65	q	Q					28+ 0	0.0000	2.37	q	Q						
22+55	0.0000	2.64	q	Q					28+ 5	0.0000	2.36	q	Q						
23+ 0	0.0000	2.64	q	Q					28+10	0.0000	2.36	q	Q						
23+ 5	0.0000	2.63	q	Q					28+15	0.0000	2.35	q	Q						
23+10	0.0000	2.63	q	Q					28+20	0.0000	2.35	q	Q						
23+15	0.0000	2.62	q	Q					28+25	0.0000	2.34	q	Q						
23+20	0.0000	2.62	q	Q					28+30	0.0000	2.34	q	Q						
23+25	0.0000	2.61	q	Q					28+35	0.0000	2.33	q	Q						
23+30	0.0000	2.61	q	Q					28+40	0.0000	2.33	q	Q						
23+35	0.0000	2.61	q	Q					28+45	0.0000	2.32	q	Q						
23+40	0.0000	2.60	q	Q					28+50	0.0000	2.32	q	Q						
23+45	0.0000	2.60	q	Q					28+55	0.0000	2.31	q	Q						
23+50	0.0000	2.59	q	Q					29+ 0	0.0000	2.31	q	Q						
23+55	0.0000	2.59	q	Q					29+ 5	0.0000	2.30	q	Q						
24+ 0	0.0000	2.58	q	Q					29+10	0.0000	2.30	q	Q						
24+ 5	0.0000	2.58	q	Q					29+15	0.0000	2.29	q	Q						
24+10	0.0000	2.58	q	Q					29+20	0.0000	2.29	q	Q						
24+15	0.0000	2.57	q	Q					29+25	0.0000	2.29	q	Q						
24+20	0.0000	2.57	q	Q					29+30	0.0000	2.28	q	Q						
24+25	0.0000	2.56	q	Q					29+35	0.0000	2.28	q	Q						
24+30	0.0000	2.56	q	Q					29+40	0.0000	2.27	q	Q						
24+35	0.0000	2.55	q	Q					29+45	0.0000	2.27	q	Q						
24+40	0.0000	2.55	q	Q					29+50	0.0000	2.26	q	Q						
24+45	0.0000	2.55	q	Q					29+55	0.0000	2.26	q	Q						
24+50	0.0000	2.54	q	Q					30+ 0	0.0000	2.25	q	Q						
24+55	0.0000	2.54	q	Q					30+ 5	0.0000	2.25	q	Q						
25+ 0	0.0000	2.53	q	Q					30+10	0.0000	2.24	q	Q						
25+ 5	0.0000	2.53	q	Q					30+15	0.0000	2.24	q	Q						
25+10	0.0000	2.52	q	Q					30+20	0.0000	2.23	q	Q						
25+15	0.0000	2.52	q	Q					30+25	0.0000	2.23	q	Q						
25+20	0.0000	2.52	q	Q					30+30	0.0000	2.23	q	Q						
25+25	0.0000	2.51	q	Q					30+35	0.0000	2.22	q	Q						
25+30	0.0000	2.51	q	Q					30+40	0.0000	2.22	q	Q						
25+35	0.0000	2.50	q	Q					30+45	0.0000	2.21	q	Q						
25+40	0.0000	2.50	q	Q					30+50	0.0000	2.21	q	Q						
25+45	0.0000	2.50	q	Q					30+55	0.0000	2.20	q	Q						
25+50	0.0000	2.49	q	Q					31+ 0	0.0000	2.19	q	Q						
25+55	0.0000	2.49	q	Q					31+ 5	0.0000	2.19	q	Q						
26+ 0	0.0000	2.48	q	Q					31+10	0.0000	2.18	q	Q						
26+ 5	0.0000	2.48	q	Q					31+15	0.0000	2.18	q	Q						
26+10	0.0000	2.48	q	Q					31+20	0.0000	2.17	q	Q						
26+15	0.0000	2.47	q	Q					31+25	0.0000	2.16	q	Q						
26+20	0.0000	2.47	q	Q					31+30	0.0000	2.16	q	Q						
26+25	0.0000	2.46	q	Q					31+35	0.0000	2.15	q	Q						
26+30	0.0000	2.46	q	Q					31+40	0.0000	2.15	q	Q						
26+35	0.0000	2.45	q	Q					31+45	0.0000	2.14	q	Q						
26+40	0.0000	2.45	q	Q					31+50	0.0000	2.13	q	Q						
26+45	0.0000	2.44	q	Q					31+55	0.0000	2.13	q	Q						
26+50	0.0000	2.44	q	Q					32+ 0	0.0000	2.12	q	Q						
26+55	0.0000	2.43	q	Q					32+ 5	0.0000	2.12	q	Q						
27+ 0	0.0000	2.43	q	Q					32+10	0.0000	2.11	q	Q						
27+ 5	0.0000	2.42	q	Q					32+15	0.0000	2.11	q	Q						
27+10	0.0000	2.42	q	Q					32+20	0.0000	2.10	q	Q						
27+15	0.0000	2.41	q	Q					32+25	0.0000	2.09	q	Q						
27+20	0.0000	2.41	q	Q					32+30	0.0000	2.09	q	Q						
27+25	0.0000	2.40	q	Q					32+35	0.0000	2.08	q	Q						
27+30	0.0000	2.40	q	Q					32+40	0.0000	2.08	q	Q						
27+35	0.0000	2.39	q	Q					32+45	0.0000	2.07	q	Q						
27+40	0.0000	2.39	q	Q					32+50	0.0000	2.07	q	Q						
27+45	0.0000	2.38	q	Q					32+55	0.0000	2.06	q	Q						

33+ 0	0.0000	2.06	q	Q					38+10	0.0000	1.65	q	Q						
33+ 5	0.0000	2.05	q	Q					38+15	0.0000	1.64	q	Q						
33+10	0.0000	2.04	q	Q					38+20	0.0000	1.64	q	Q						
33+15	0.0000	2.04	q	Q					38+25	0.0000	1.63	q	Q						
33+20	0.0000	2.03	q	Q					38+30	0.0000	1.62	q	Q						
33+25	0.0000	2.03	q	Q					38+35	0.0000	1.61	q	Q						
33+30	0.0000	2.02	q	Q					38+40	0.0000	1.61	q	Q						
33+35	0.0000	2.02	q	Q					38+45	0.0000	1.60	q	Q						
33+40	0.0000	2.01	q	Q					38+50	0.0000	1.60	q	Q						
33+45	0.0000	2.01	q	Q					38+55	0.0000	1.59	q	Q						
33+50	0.0000	2.00	q	Q					39+ 0	0.0000	1.58	q	Q						
33+55	0.0000	1.99	q	Q					39+ 5	0.0000	1.58	q	Q						
34+ 0	0.0000	1.99	q	Q					39+10	0.0000	1.57	q	Q						
34+ 5	0.0000	1.98	q	Q					39+15	0.0000	1.56	q	Q						
34+10	0.0000	1.98	q	Q					39+20	0.0000	1.55	q	Q						
34+15	0.0000	1.97	q	Q					39+25	0.0000	1.54	q	Q						
34+20	0.0000	1.97	q	Q					39+30	0.0000	1.53	q	Q						
34+25	0.0000	1.96	q	Q					39+35	0.0000	1.52	q	Q						
34+30	0.0000	1.96	q	Q					39+40	0.0000	1.51	q	Q						
34+35	0.0000	1.95	q	Q					39+45	0.0000	1.50	q	Q						
34+40	0.0000	1.95	q	Q					39+50	0.0000	1.49	q	Q						
34+45	0.0000	1.94	q	Q					39+55	0.0000	1.48	q	Q						
34+50	0.0000	1.94	q	Q					40+ 0	0.0000	1.48	q	Q						
34+55	0.0000	1.93	q	Q					40+ 5	0.0000	1.47	q	Q						
35+ 0	0.0000	1.93	q	Q					40+10	0.0000	1.46	q	Q						
35+ 5	0.0000	1.92	q	Q					40+15	0.0000	1.45	q	Q						
35+10	0.0000	1.91	q	Q					40+20	0.0000	1.44	q	Q						
35+15	0.0000	1.90	q	Q					40+25	0.0000	1.43	q	Q						
35+20	0.0000	1.90	q	Q					40+30	0.0000	1.42	q	Q						
35+25	0.0000	1.89	q	Q					40+35	0.0000	1.41	q	Q						
35+30	0.0000	1.88	q	Q					40+40	0.0000	1.40	q	Q						
35+35	0.0000	1.87	q	Q					40+45	0.0000	1.39	q	Q						
35+40	0.0000	1.87	q	Q					40+50	0.0000	1.38	q	Q						
35+45	0.0000	1.86	q	Q					40+55	0.0000	1.37	q	Q						
35+50	0.0000	1.85	q	Q					41+ 0	0.0000	1.36	q	Q						
35+55	0.0000	1.84	q	Q					41+ 5	0.0000	1.36	q	Q						
36+ 0	0.0000	1.83	q	Q					41+10	0.0000	1.35	q	Q						
36+ 5	0.0000	1.83	q	Q					41+15	0.0000	1.34	q	Q						
36+10	0.0000	1.82	q	Q					41+20	0.0000	1.33	q	Q						
36+15	0.0000	1.81	q	Q					41+25	0.0000	1.32	q	Q						
36+20	0.0000	1.80	q	Q					41+30	0.0000	1.31	q	Q						
36+25	0.0000	1.80	q	Q					41+35	0.0000	1.30	q	Q						
36+30	0.0000	1.79	q	Q					41+40	0.0000	1.29	q	Q						
36+35	0.0000	1.78	q	Q					41+45	0.0000	1.29	q	Q						
36+40	0.0000	1.78	q	Q					41+50	0.0000	1.28	q	Q						
36+45	0.0000	1.77	q	Q					41+55	0.0000	1.27	q	Q						
36+50	0.0000	1.76	q	Q					42+ 0	0.0000	1.26	q	Q						
36+55	0.0000	1.75	q	Q					42+ 5	0.0000	1.25	q	Q						
37+ 0	0.0000	1.75	q	Q					42+10	0.0000	1.25	q	Q						
37+ 5	0.0000	1.74	q	Q					42+15	0.0000	1.24	q	Q						
37+10	0.0000	1.73	q	Q					42+20	0.0000	1.23	q	Q						
37+15	0.0000	1.72	q	Q					42+25	0.0000	1.22	q	Q						
37+20	0.0000	1.72	q	Q					42+30	0.0000	1.21	q	Q						
37+25	0.0000	1.71	q	Q					42+35	0.0000	1.21	q	Q						
37+30	0.0000	1.70	q	Q					42+40	0.0000	1.20	q	Q						
37+35	0.0000	1.70	q	Q					42+45	0.0000	1.19	q	Q						
37+40	0.0000	1.69	q	Q					42+50	0.0000	1.18	q	Q						
37+45	0.0000	1.68	q	Q					42+55	0.0000	1.17	q	Q						
37+50	0.0000	1.68	q	Q					43+ 0	0.0000	1.17	q	Q						
37+55	0.0000	1.67	q	Q					43+ 5	0.0000	1.16	q	Q						
38+ 0	0.0000	1.66	q	Q					43+10	0.0000	1.15	q	Q						
38+ 5	0.0000	1.66	q	Q					43+15	0.0000	1.14	q	Q						

43+20	0.0000	1.14	q	Q					48+30	0.0000	0.48	qQ				
43+25	0.0000	1.13	q	Q					48+35	0.0000	0.47	qQ				
43+30	0.0000	1.12	q	Q					48+40	0.0000	0.46	qQ				
43+35	0.0000	1.11	q	Q					48+45	0.0000	0.45	qQ				
43+40	0.0000	1.11	q	Q					48+50	0.0000	0.45	qQ				
43+45	0.0000	1.10	q	Q					48+55	0.0000	0.44	qQ				
43+50	0.0000	1.08	q	Q					49+ 0	0.0000	0.44	qQ				
43+55	0.0000	1.07	q	Q					49+ 5	0.0000	0.43	qQ				
44+ 0	0.0000	1.05	q	Q					49+10	0.0000	0.42	qQ				
44+ 5	0.0000	1.04	q	Q					49+15	0.0000	0.42	qQ				
44+10	0.0000	1.02	q	Q					49+20	0.0000	0.41	qQ				
44+15	0.0000	1.01	q	Q					49+25	0.0000	0.40	qQ				
44+20	0.0000	0.99	q	Q					49+30	0.0000	0.40	qQ				
44+25	0.0000	0.98	q	Q					49+35	0.0000	0.39	qQ				
44+30	0.0000	0.96	q	Q					49+40	0.0000	0.39	qQ				
44+35	0.0000	0.95	q	Q					49+45	0.0000	0.38	qQ				
44+40	0.0000	0.94	q	Q					49+50	0.0000	0.38	qQ				
44+45	0.0000	0.92	q	Q					49+55	0.0000	0.37	qQ				
44+50	0.0000	0.91	q	Q					50+ 0	0.0000	0.36	qQ				
44+55	0.0000	0.90	q	Q					50+ 5	0.0000	0.36	qQ				
45+ 0	0.0000	0.88	q	Q					50+10	0.0000	0.35	qQ				
45+ 5	0.0000	0.87	q	Q					50+15	0.0000	0.35	qQ				
45+10	0.0000	0.86	q	Q					50+20	0.0000	0.34	qQ				
45+15	0.0000	0.84	q	Q					50+25	0.0000	0.34	qQ				
45+20	0.0000	0.83	q	Q					50+30	0.0000	0.33	qQ				
45+25	0.0000	0.82	q	Q					50+35	0.0000	0.33	qQ				
45+30	0.0000	0.81	q	Q					50+40	0.0000	0.32	qQ				
45+35	0.0000	0.80	q	Q					50+45	0.0000	0.32	qQ				
45+40	0.0000	0.78	q	Q					50+50	0.0000	0.31	qQ				
45+45	0.0000	0.77	q	Q					50+55	0.0000	0.31	Q				
45+50	0.0000	0.76	q	Q					51+ 0	0.0000	0.31	Q				
45+55	0.0000	0.75	q	Q					51+ 5	0.0000	0.30	Q				
46+ 0	0.0000	0.74	q	Q					51+10	0.0000	0.30	Q				
46+ 5	0.0000	0.73	q	Q					51+15	0.0000	0.29	Q				
46+10	0.0000	0.72	q	Q					51+20	0.0000	0.29	Q				
46+15	0.0000	0.71	q	Q					51+25	0.0000	0.28	Q				
46+20	0.0000	0.70	q	Q					51+30	0.0000	0.28	Q				
46+25	0.0000	0.69	q	Q					51+35	0.0000	0.28	Q				
46+30	0.0000	0.68	q	Q					51+40	0.0000	0.27	Q				
46+35	0.0000	0.67	q	Q					51+45	0.0000	0.27	Q				
46+40	0.0000	0.66	q	Q					51+50	0.0000	0.26	Q				
46+45	0.0000	0.65	q	Q					51+55	0.0000	0.26	Q				
46+50	0.0000	0.64	q	Q					52+ 0	0.0000	0.26	Q				
46+55	0.0000	0.63	q	Q					52+ 5	0.0000	0.26	Q				
47+ 0	0.0000	0.62	qQ						52+10	0.0000	0.26	Q				
47+ 5	0.0000	0.61	qQ						52+15	0.0000	0.25	Q				
47+10	0.0000	0.60	qQ						52+20	0.0000	0.25	Q				
47+15	0.0000	0.59	qQ						52+25	0.0000	0.25	Q				
47+20	0.0000	0.58	qQ						52+30	0.0000	0.25	Q				
47+25	0.0000	0.58	qQ						52+35	0.0000	0.25	Q				
47+30	0.0000	0.57	qQ						52+40	0.0000	0.25	Q				
47+35	0.0000	0.56	qQ						52+45	0.0000	0.25	Q				
47+40	0.0000	0.55	qQ						52+50	0.0000	0.24	Q				
47+45	0.0000	0.54	qQ						52+55	0.0000	0.24	Q				
47+50	0.0000	0.53	qQ						53+ 0	0.0000	0.24	Q				
47+55	0.0000	0.53	qQ						53+ 5	0.0000	0.24	Q				
48+ 0	0.0000	0.52	qQ						53+10	0.0000	0.24	Q				
48+ 5	0.0000	0.51	qQ						53+15	0.0000	0.24	Q				
48+10	0.0000	0.50	qQ						53+20	0.0000	0.24	Q				
48+15	0.0000	0.50	qQ						53+25	0.0000	0.23	Q				
48+20	0.0000	0.49	qQ						53+30	0.0000	0.23	Q				
48+25	0.0000	0.48	qQ						53+35	0.0000	0.23	Q				

53+40	0.0000	0.23	Q					58+50	0.0000	0.16	Q				
53+45	0.0000	0.23	Q					58+55	0.0000	0.16	Q				
53+50	0.0000	0.23	Q					59+ 0	0.0000	0.16	Q				
53+55	0.0000	0.23	Q					59+ 5	0.0000	0.16	Q				
54+ 0	0.0000	0.22	Q					59+10	0.0000	0.16	Q				
54+ 5	0.0000	0.22	Q					59+15	0.0000	0.16	Q				
54+10	0.0000	0.22	Q					59+20	0.0000	0.15	Q				
54+15	0.0000	0.22	Q					59+25	0.0000	0.15	Q				
54+20	0.0000	0.22	Q					59+30	0.0000	0.15	Q				
54+25	0.0000	0.22	Q					59+35	0.0000	0.15	Q				
54+30	0.0000	0.22	Q					59+40	0.0000	0.15	Q				
54+35	0.0000	0.22	Q					59+45	0.0000	0.15	Q				
54+40	0.0000	0.21	Q					59+50	0.0000	0.15	Q				
54+45	0.0000	0.21	Q					59+55	0.0000	0.15	Q				
54+50	0.0000	0.21	Q					60+ 0	0.0000	0.15	Q				
54+55	0.0000	0.21	Q					60+ 5	0.0000	0.15	Q				
55+ 0	0.0000	0.21	Q					60+10	0.0000	0.15	Q				
55+ 5	0.0000	0.21	Q					60+15	0.0000	0.14	Q				
55+10	0.0000	0.21	Q					60+20	0.0000	0.14	Q				
55+15	0.0000	0.21	Q					60+25	0.0000	0.14	Q				
55+20	0.0000	0.20	Q					60+30	0.0000	0.14	Q				
55+25	0.0000	0.20	Q					60+35	0.0000	0.14	Q				
55+30	0.0000	0.20	Q					60+40	0.0000	0.14	Q				
55+35	0.0000	0.20	Q					60+45	0.0000	0.14	Q				
55+40	0.0000	0.20	Q					60+50	0.0000	0.14	Q				
55+45	0.0000	0.20	Q					60+55	0.0000	0.14	Q				
55+50	0.0000	0.20	Q					61+ 0	0.0000	0.14	Q				
55+55	0.0000	0.20	Q					61+ 5	0.0000	0.14	Q				
56+ 0	0.0000	0.20	Q					61+10	0.0000	0.14	Q				
56+ 5	0.0000	0.19	Q					61+15	0.0000	0.13	Q				
56+10	0.0000	0.19	Q					61+20	0.0000	0.13	Q				
56+15	0.0000	0.19	Q					61+25	0.0000	0.13	Q				
56+20	0.0000	0.19	Q					61+30	0.0000	0.13	Q				
56+25	0.0000	0.19	Q					61+35	0.0000	0.13	Q				
56+30	0.0000	0.19	Q					61+40	0.0000	0.13	Q				
56+35	0.0000	0.19	Q					61+45	0.0000	0.13	Q				
56+40	0.0000	0.19	Q					61+50	0.0000	0.13	Q				
56+45	0.0000	0.19	Q					61+55	0.0000	0.13	Q				
56+50	0.0000	0.18	Q					62+ 0	0.0000	0.13	Q				
56+55	0.0000	0.18	Q					62+ 5	0.0000	0.13	Q				
57+ 0	0.0000	0.18	Q					62+10	0.0000	0.13	Q				
57+ 5	0.0000	0.18	Q					62+15	0.0000	0.13	Q				
57+10	0.0000	0.18	Q					62+20	0.0000	0.13	Q				
57+15	0.0000	0.18	Q					62+25	0.0000	0.12	Q				
57+20	0.0000	0.18	Q					62+30	0.0000	0.12	Q				
57+25	0.0000	0.18	Q					62+35	0.0000	0.12	Q				
57+30	0.0000	0.18	Q					62+40	0.0000	0.12	Q				
57+35	0.0000	0.17	Q					62+45	0.0000	0.12	Q				
57+40	0.0000	0.17	Q					62+50	0.0000	0.12	Q				
57+45	0.0000	0.17	Q					62+55	0.0000	0.12	Q				
57+50	0.0000	0.17	Q					63+ 0	0.0000	0.12	Q				
57+55	0.0000	0.17	Q					63+ 5	0.0000	0.12	Q				
58+ 0	0.0000	0.17	Q					63+10	0.0000	0.12	Q				
58+ 5	0.0000	0.17	Q					63+15	0.0000	0.12	Q				
58+10	0.0000	0.17	Q					63+20	0.0000	0.12	Q				
58+15	0.0000	0.17	Q					63+25	0.0000	0.12	Q				
58+20	0.0000	0.17	Q					63+30	0.0000	0.12	Q				
58+25	0.0000	0.16	Q					63+35	0.0000	0.11	Q				
58+30	0.0000	0.16	Q					63+40	0.0000	0.11	Q				
58+35	0.0000	0.16	Q					63+45	0.0000	0.11	Q				
58+40	0.0000	0.16	Q					63+50	0.0000	0.11	Q				
58+45	0.0000	0.16	Q					63+55	0.0000	0.11	Q				

64+ 0	0.0000	0.11	Q					69+10	0.0000	0.08	Q				
64+ 5	0.0000	0.11	Q					69+15	0.0000	0.08	Q				
64+10	0.0000	0.11	Q					69+20	0.0000	0.08	Q				
64+15	0.0000	0.11	Q					69+25	0.0000	0.08	Q				
64+20	0.0000	0.11	Q					69+30	0.0000	0.08	Q				
64+25	0.0000	0.11	Q					69+35	0.0000	0.08	Q				
64+30	0.0000	0.11	Q					69+40	0.0000	0.07	Q				
64+35	0.0000	0.11	Q					69+45	0.0000	0.07	Q				
64+40	0.0000	0.11	Q					69+50	0.0000	0.07	Q				
64+45	0.0000	0.11	Q					69+55	0.0000	0.07	Q				
64+50	0.0000	0.10	Q					70+ 0	0.0000	0.07	Q				
64+55	0.0000	0.10	Q					70+ 5	0.0000	0.07	Q				
65+ 0	0.0000	0.10	Q					70+10	0.0000	0.07	Q				
65+ 5	0.0000	0.10	Q					70+15	0.0000	0.07	Q				
65+10	0.0000	0.10	Q					70+20	0.0000	0.07	Q				
65+15	0.0000	0.10	Q					70+25	0.0000	0.07	Q				
65+20	0.0000	0.10	Q					70+30	0.0000	0.07	Q				
65+25	0.0000	0.10	Q					70+35	0.0000	0.07	Q				
65+30	0.0000	0.10	Q					70+40	0.0000	0.07	Q				
65+35	0.0000	0.10	Q					70+45	0.0000	0.07	Q				
65+40	0.0000	0.10	Q					70+50	0.0000	0.07	Q				
65+45	0.0000	0.10	Q					70+55	0.0000	0.07	Q				
65+50	0.0000	0.10	Q					71+ 0	0.0000	0.07	Q				
65+55	0.0000	0.10	Q					71+ 5	0.0000	0.07	Q				
66+ 0	0.0000	0.10	Q					71+10	0.0000	0.07	Q				
66+ 5	0.0000	0.10	Q					71+15	0.0000	0.07	Q				
66+10	0.0000	0.10	Q					71+20	0.0000	0.07	Q				
66+15	0.0000	0.10	Q					71+25	0.0000	0.07	Q				
66+20	0.0000	0.09	Q					71+30	0.0000	0.07	Q				
66+25	0.0000	0.09	Q					71+35	0.0000	0.07	Q				
66+30	0.0000	0.09	Q					71+40	0.0000	0.06	Q				
66+35	0.0000	0.09	Q					71+45	0.0000	0.06	Q				
66+40	0.0000	0.09	Q					71+50	0.0000	0.06	Q				
66+45	0.0000	0.09	Q					71+55	0.0000	0.06	Q				
66+50	0.0000	0.09	Q					72+ 0	0.0000	0.06	Q				
66+55	0.0000	0.09	Q					72+ 5	0.0000	0.06	Q				
67+ 0	0.0000	0.09	Q					72+10	0.0000	0.06	Q				
67+ 5	0.0000	0.09	Q					72+15	0.0000	0.06	Q				
67+10	0.0000	0.09	Q					72+20	0.0000	0.06	Q				
67+15	0.0000	0.09	Q					72+25	0.0000	0.06	Q				
67+20	0.0000	0.09	Q					72+30	0.0000	0.06	Q				
67+25	0.0000	0.09	Q					72+35	0.0000	0.06	Q				
67+30	0.0000	0.09	Q					72+40	0.0000	0.06	Q				
67+35	0.0000	0.09	Q					72+45	0.0000	0.06	Q				
67+40	0.0000	0.09	Q					72+50	0.0000	0.06	Q				
67+45	0.0000	0.09	Q					72+55	0.0000	0.06	Q				
67+50	0.0000	0.09	Q					73+ 0	0.0000	0.06	Q				
67+55	0.0000	0.08	Q					73+ 5	0.0000	0.06	Q				
68+ 0	0.0000	0.08	Q					73+10	0.0000	0.06	Q				
68+ 5	0.0000	0.08	Q					73+15	0.0000	0.06	Q				
68+10	0.0000	0.08	Q					73+20	0.0000	0.06	Q				
68+15	0.0000	0.08	Q					73+25	0.0000	0.06	Q				
68+20	0.0000	0.08	Q					73+30	0.0000	0.06	Q				
68+25	0.0000	0.08	Q					73+35	0.0000	0.06	Q				
68+30	0.0000	0.08	Q					73+40	0.0000	0.06	Q				
68+35	0.0000	0.08	Q					73+45	0.0000	0.06	Q				
68+40	0.0000	0.08	Q					73+50	0.0000	0.06	Q				
68+45	0.0000	0.08	Q					73+55	0.0000	0.06	Q				
68+50	0.0000	0.08	Q					74+ 0	0.0000	0.06	Q				
68+55	0.0000	0.08	Q					74+ 5	0.0000	0.05	Q				
69+ 0	0.0000	0.08	Q					74+10	0.0000	0.05	Q				
69+ 5	0.0000	0.08	Q					74+15	0.0000	0.05	Q				

74+20	0.0000	0.05	Q					79+30	0.0000	0.04	Q				
74+25	0.0000	0.05	Q					79+35	0.0000	0.04	Q				
74+30	0.0000	0.05	Q					79+40	0.0000	0.04	Q				
74+35	0.0000	0.05	Q					79+45	0.0000	0.04	Q				
74+40	0.0000	0.05	Q					79+50	0.0000	0.04	Q				
74+45	0.0000	0.05	Q					79+55	0.0000	0.04	Q				
74+50	0.0000	0.05	Q					80+ 0	0.0000	0.04	Q				
74+55	0.0000	0.05	Q					80+ 5	0.0000	0.04	Q				
75+ 0	0.0000	0.05	Q					80+10	0.0000	0.04	Q				
75+ 5	0.0000	0.05	Q					80+15	0.0000	0.04	Q				
75+10	0.0000	0.05	Q					80+20	0.0000	0.04	Q				
75+15	0.0000	0.05	Q					80+25	0.0000	0.04	Q				
75+20	0.0000	0.05	Q					80+30	0.0000	0.03	Q				
75+25	0.0000	0.05	Q					80+35	0.0000	0.03	Q				
75+30	0.0000	0.05	Q					80+40	0.0000	0.03	Q				
75+35	0.0000	0.05	Q					80+45	0.0000	0.03	Q				
75+40	0.0000	0.05	Q					80+50	0.0000	0.03	Q				
75+45	0.0000	0.05	Q					80+55	0.0000	0.03	Q				
75+50	0.0000	0.05	Q					81+ 0	0.0000	0.03	Q				
75+55	0.0000	0.05	Q					81+ 5	0.0000	0.03	Q				
76+ 0	0.0000	0.05	Q					81+10	0.0000	0.03	Q				
76+ 5	0.0000	0.05	Q					81+15	0.0000	0.03	Q				
76+10	0.0000	0.05	Q					81+20	0.0000	0.03	Q				
76+15	0.0000	0.05	Q					81+25	0.0000	0.03	Q				
76+20	0.0000	0.05	Q					81+30	0.0000	0.03	Q				
76+25	0.0000	0.05	Q					81+35	0.0000	0.03	Q				
76+30	0.0000	0.05	Q					81+40	0.0000	0.03	Q				
76+35	0.0000	0.05	Q					81+45	0.0000	0.03	Q				
76+40	0.0000	0.05	Q					81+50	0.0000	0.03	Q				
76+45	0.0000	0.05	Q					81+55	0.0000	0.03	Q				
76+50	0.0000	0.05	Q					82+ 0	0.0000	0.03	Q				
76+55	0.0000	0.04	Q					82+ 5	0.0000	0.03	Q				
77+ 0	0.0000	0.04	Q					82+10	0.0000	0.03	Q				
77+ 5	0.0000	0.04	Q					82+15	0.0000	0.03	Q				
77+10	0.0000	0.04	Q					82+20	0.0000	0.03	Q				
77+15	0.0000	0.04	Q					82+25	0.0000	0.03	Q				
77+20	0.0000	0.04	Q					82+30	0.0000	0.03	Q				
77+25	0.0000	0.04	Q					82+35	0.0000	0.03	Q				
77+30	0.0000	0.04	Q					82+40	0.0000	0.03	Q				
77+35	0.0000	0.04	Q					82+45	0.0000	0.03	Q				
77+40	0.0000	0.04	Q					82+50	0.0000	0.03	Q				
77+45	0.0000	0.04	Q					82+55	0.0000	0.03	Q				
77+50	0.0000	0.04	Q					83+ 0	0.0000	0.03	Q				
77+55	0.0000	0.04	Q					83+ 5	0.0000	0.03	Q				
78+ 0	0.0000	0.04	Q					83+10	0.0000	0.03	Q				
78+ 5	0.0000	0.04	Q					83+15	0.0000	0.03	Q				
78+10	0.0000	0.04	Q					83+20	0.0000	0.03	Q				
78+15	0.0000	0.04	Q					83+25	0.0000	0.03	Q				
78+20	0.0000	0.04	Q					83+30	0.0000	0.03	Q				
78+25	0.0000	0.04	Q					83+35	0.0000	0.03	Q				
78+30	0.0000	0.04	Q					83+40	0.0000	0.03	Q				
78+35	0.0000	0.04	Q					83+45	0.0000	0.03	Q				
78+40	0.0000	0.04	Q					83+50	0.0000	0.03	Q				
78+45	0.0000	0.04	Q					83+55	0.0000	0.03	Q				
78+50	0.0000	0.04	Q					84+ 0	0.0000	0.03	Q				
78+55	0.0000	0.04	Q					84+ 5	0.0000	0.03	Q				
79+ 0	0.0000	0.04	Q					84+10	0.0000	0.03	Q				
79+ 5	0.0000	0.04	Q					84+15	0.0000	0.03	Q				
79+10	0.0000	0.04	Q					84+20	0.0000	0.03	Q				
79+15	0.0000	0.04	Q					84+25	0.0000	0.03	Q				
79+20	0.0000	0.04	Q					84+30	0.0000	0.03	Q				
79+25	0.0000	0.04	Q					84+35	0.0000	0.03	Q				

84+40	0.0000	0.03	Q					89+50	0.0000	0.02	Q				
84+45	0.0000	0.03	Q					89+55	0.0000	0.02	Q				
84+50	0.0000	0.03	Q					90+ 0	0.0000	0.02	Q				
84+55	0.0000	0.03	Q					90+ 5	0.0000	0.02	Q				
85+ 0	0.0000	0.03	Q					90+10	0.0000	0.02	Q				
85+ 5	0.0000	0.03	Q					90+15	0.0000	0.02	Q				
85+10	0.0000	0.03	Q					90+20	0.0000	0.02	Q				
85+15	0.0000	0.03	Q					90+25	0.0000	0.02	Q				
85+20	0.0000	0.02	Q					90+30	0.0000	0.02	Q				
85+25	0.0000	0.02	Q					90+35	0.0000	0.02	Q				
85+30	0.0000	0.02	Q					90+40	0.0000	0.02	Q				
85+35	0.0000	0.02	Q					90+45	0.0000	0.02	Q				
85+40	0.0000	0.02	Q					90+50	0.0000	0.02	Q				
85+45	0.0000	0.02	Q					90+55	0.0000	0.02	Q				
85+50	0.0000	0.02	Q					91+ 0	0.0000	0.02	Q				
85+55	0.0000	0.02	Q					91+ 5	0.0000	0.02	Q				
86+ 0	0.0000	0.02	Q					91+10	0.0000	0.02	Q				
86+ 5	0.0000	0.02	Q					91+15	0.0000	0.02	Q				
86+10	0.0000	0.02	Q					91+20	0.0000	0.02	Q				
86+15	0.0000	0.02	Q					91+25	0.0000	0.02	Q				
86+20	0.0000	0.02	Q					91+30	0.0000	0.02	Q				
86+25	0.0000	0.02	Q					91+35	0.0000	0.02	Q				
86+30	0.0000	0.02	Q					91+40	0.0000	0.02	Q				
86+35	0.0000	0.02	Q					91+45	0.0000	0.02	Q				
86+40	0.0000	0.02	Q					91+50	0.0000	0.02	Q				
86+45	0.0000	0.02	Q					91+55	0.0000	0.02	Q				
86+50	0.0000	0.02	Q					92+ 0	0.0000	0.02	Q				
86+55	0.0000	0.02	Q					92+ 5	0.0000	0.02	Q				
87+ 0	0.0000	0.02	Q					92+10	0.0000	0.02	Q				
87+ 5	0.0000	0.02	Q					92+15	0.0000	0.02	Q				
87+10	0.0000	0.02	Q					92+20	0.0000	0.02	Q				
87+15	0.0000	0.02	Q					92+25	0.0000	0.02	Q				
87+20	0.0000	0.02	Q					92+30	0.0000	0.02	Q				
87+25	0.0000	0.02	Q					92+35	0.0000	0.01	Q				
87+30	0.0000	0.02	Q					92+40	0.0000	0.01	Q				
87+35	0.0000	0.02	Q					92+45	0.0000	0.01	Q				
87+40	0.0000	0.02	Q					92+50	0.0000	0.01	Q				
87+45	0.0000	0.02	Q					92+55	0.0000	0.01	Q				
87+50	0.0000	0.02	Q					93+ 0	0.0000	0.01	Q				
87+55	0.0000	0.02	Q					93+ 5	0.0000	0.01	Q				
88+ 0	0.0000	0.02	Q					93+10	0.0000	0.01	Q				
88+ 5	0.0000	0.02	Q					93+15	0.0000	0.01	Q				
88+10	0.0000	0.02	Q					93+20	0.0000	0.01	Q				
88+15	0.0000	0.02	Q					93+25	0.0000	0.01	Q				
88+20	0.0000	0.02	Q					93+30	0.0000	0.01	Q				
88+25	0.0000	0.02	Q					93+35	0.0000	0.01	Q				
88+30	0.0000	0.02	Q					93+40	0.0000	0.01	Q				
88+35	0.0000	0.02	Q					93+45	0.0000	0.01	Q				
88+40	0.0000	0.02	Q					93+50	0.0000	0.01	Q				
88+45	0.0000	0.02	Q					93+55	0.0000	0.01	Q				
88+50	0.0000	0.02	Q					94+ 0	0.0000	0.01	Q				
88+55	0.0000	0.02	Q					94+ 5	0.0000	0.01	Q				
89+ 0	0.0000	0.02	Q					94+10	0.0000	0.01	Q				
89+ 5	0.0000	0.02	Q					94+15	0.0000	0.01	Q				
89+10	0.0000	0.02	Q					94+20	0.0000	0.01	Q				
89+15	0.0000	0.02	Q					94+25	0.0000	0.01	Q				
89+20	0.0000	0.02	Q					94+30	0.0000	0.01	Q				
89+25	0.0000	0.02	Q					94+35	0.0000	0.01	Q				
89+30	0.0000	0.02	Q					94+40	0.0000	0.01	Q				
89+35	0.0000	0.02	Q					94+45	0.0000	0.01	Q				
89+40	0.0000	0.02	Q					94+50	0.0000	0.01	Q				
89+45	0.0000	0.02	Q					94+55	0.0000	0.01	Q				

95+ 0	0.0000	0.01	Q	|	|	|	|	100+10	0.0000	0.01	Q	|	|	|	|
95+ 5	0.0000	0.01	Q	|	|	|	|	100+15	0.0000	0.01	Q	|	|	|	|
95+10	0.0000	0.01	Q	|	|	|	|	100+20	0.0000	0.01	Q	|	|	|	|
95+15	0.0000	0.01	Q	|	|	|	|	100+25	0.0000	0.01	Q	|	|	|	|
95+20	0.0000	0.01	Q	|	|	|	|	100+30	0.0000	0.01	Q	|	|	|	|
95+25	0.0000	0.01	Q	|	|	|	|	100+35	0.0000	0.01	Q	|	|	|	|
95+30	0.0000	0.01	Q	|	|	|	|	100+40	0.0000	0.01	Q	|	|	|	|
95+35	0.0000	0.01	Q	|	|	|	|	100+45	0.0000	0.01	Q	|	|	|	|
95+40	0.0000	0.01	Q	|	|	|	|	100+50	0.0000	0.01	Q	|	|	|	|
95+45	0.0000	0.01	Q	|	|	|	|	100+55	0.0000	0.01	Q	|	|	|	|
95+50	0.0000	0.01	Q	|	|	|	|	101+ 0	0.0000	0.01	Q	|	|	|	|
95+55	0.0000	0.01	Q	|	|	|	|	101+ 5	0.0000	0.01	Q	|	|	|	|
96+ 0	0.0000	0.01	Q	|	|	|	|	101+10	0.0000	0.01	Q	|	|	|	|
96+ 5	0.0000	0.01	Q	|	|	|	|	101+15	0.0000	0.01	Q	|	|	|	|
96+10	0.0000	0.01	Q	|	|	|	|	101+20	0.0000	0.01	Q	|	|	|	|
96+15	0.0000	0.01	Q	|	|	|	|	101+25	0.0000	0.01	Q	|	|	|	|
96+20	0.0000	0.01	Q	|	|	|	|	101+30	0.0000	0.01	Q	|	|	|	|
96+25	0.0000	0.01	Q	|	|	|	|	101+35	0.0000	0.01	Q	|	|	|	|
96+30	0.0000	0.01	Q	|	|	|	|	101+40	0.0000	0.01	Q	|	|	|	|
96+35	0.0000	0.01	Q	|	|	|	|	101+45	0.0000	0.01	Q	|	|	|	|
96+40	0.0000	0.01	Q	|	|	|	|	101+50	0.0000	0.01	Q	|	|	|	|
96+45	0.0000	0.01	Q	|	|	|	|	101+55	0.0000	0.01	Q	|	|	|	|
96+50	0.0000	0.01	Q	|	|	|	|	102+ 0	0.0000	0.01	Q	|	|	|	|
96+55	0.0000	0.01	Q	|	|	|	|	102+ 5	0.0000	0.01	Q	|	|	|	|
97+ 0	0.0000	0.01	Q	|	|	|	|	102+10	0.0000	0.01	Q	|	|	|	|
97+ 5	0.0000	0.01	Q	|	|	|	|	102+15	0.0000	0.01	Q	|	|	|	|
97+10	0.0000	0.01	Q	|	|	|	|	102+20	0.0000	0.01	Q	|	|	|	|
97+15	0.0000	0.01	Q	|	|	|	|	102+25	0.0000	0.01	Q	|	|	|	|
97+20	0.0000	0.01	Q	|	|	|	|	102+30	0.0000	0.01	Q	|	|	|	|
97+25	0.0000	0.01	Q	|	|	|	|	102+35	0.0000	0.01	Q	|	|	|	|
97+30	0.0000	0.01	Q	|	|	|	|	102+40	0.0000	0.01	Q	|	|	|	|
97+35	0.0000	0.01	Q	|	|	|	|	102+45	0.0000	0.01	Q	|	|	|	|
97+40	0.0000	0.01	Q	|	|	|	|	102+50	0.0000	0.01	Q	|	|	|	|
97+45	0.0000	0.01	Q	|	|	|	|	102+55	0.0000	0.01	Q	|	|	|	|
97+50	0.0000	0.01	Q	|	|	|	|	103+ 0	0.0000	0.01	Q	|	|	|	|
97+55	0.0000	0.01	Q	|	|	|	|	103+ 5	0.0000	0.01	Q	|	|	|	|
98+ 0	0.0000	0.01	Q	|	|	|	|	103+10	0.0000	0.01	Q	|	|	|	|
98+ 5	0.0000	0.01	Q	|	|	|	|	103+15	0.0000	0.01	Q	|	|	|	|
98+10	0.0000	0.01	Q	|	|	|	|	103+20	0.0000	0.01	Q	|	|	|	|
98+15	0.0000	0.01	Q	|	|	|	|	103+25	0.0000	0.01	Q	|	|	|	|
98+20	0.0000	0.01	Q	|	|	|	|	103+30	0.0000	0.01	Q	|	|	|	|
98+25	0.0000	0.01	Q	|	|	|	|	103+35	0.0000	0.01	Q	|	|	|	|
98+30	0.0000	0.01	Q	|	|	|	|	103+40	0.0000	0.01	Q	|	|	|	|
98+35	0.0000	0.01	Q	|	|	|	|	103+45	0.0000	0.01	Q	|	|	|	|
98+40	0.0000	0.01	Q	|	|	|	|	103+50	0.0000	0.01	Q	|	|	|	|
98+45	0.0000	0.01	Q	|	|	|	|	103+55	0.0000	0.01	Q	|	|	|	|
98+50	0.0000	0.01	Q	|	|	|	|	104+ 0	0.0000	0.01	Q	|	|	|	|
98+55	0.0000	0.01	Q	|	|	|	|	104+ 5	0.0000	0.01	Q	|	|	|	|
99+ 0	0.0000	0.01	Q	|	|	|	|	104+10	0.0000	0.01	Q	|	|	|	|
99+ 5	0.0000	0.01	Q	|	|	|	|	104+15	0.0000	0.01	Q	|	|	|	|
99+10	0.0000	0.01	Q	|	|	|	|	104+20	0.0000	0.01	Q	|	|	|	|
99+15	0.0000	0.01	Q	|	|	|	|	104+25	0.0000	0.01	Q	|	|	|	|
99+20	0.0000	0.01	Q	|	|	|	|	104+30	0.0000	0.01	Q	|	|	|	|
99+25	0.0000	0.01	Q	|	|	|	|	104+35	0.0000	0.01	Q	|	|	|	|
99+30	0.0000	0.01	Q	|	|	|	|	104+40	0.0000	0.01	Q	|	|	|	|
99+35	0.0000	0.01	Q	|	|	|	|	104+45	0.0000	0.01	Q	|	|	|	|
99+40	0.0000	0.01	Q	|	|	|	|	104+50	0.0000	0.01	Q	|	|	|	|
99+45	0.0000	0.01	Q	|	|	|	|	104+55	0.0000	0.01	Q	|	|	|	|
99+50	0.0000	0.01	Q	|	|	|	|	105+ 0	0.0000	0.01	Q	|	|	|	|
99+55	0.0000	0.01	Q	|	|	|	|	105+ 5	0.0000	0.01	Q	|	|	|	|
100+ 0	0.0000	0.01	Q	|	|	|	|	105+10	0.0000	0.01	Q	|	|	|	|
100+ 5	0.0000	0.01	Q	|	|	|	|	105+15	0.0000	0.01	Q	|	|	|	|

105+20	0.0000	0.01	Q					110+30	0.0000	0.00	Q				
105+25	0.0000	0.01	Q					110+35	0.0000	0.00	Q				
105+30	0.0000	0.01	Q					110+40	0.0000	0.00	Q				
105+35	0.0000	0.01	Q					110+45	0.0000	0.00	Q				
105+40	0.0000	0.01	Q					110+50	0.0000	0.00	Q				
105+45	0.0000	0.01	Q					110+55	0.0000	0.00	Q				
105+50	0.0000	0.01	Q					111+ 0	0.0000	0.00	Q				
105+55	0.0000	0.01	Q					111+ 5	0.0000	0.00	Q				
106+ 0	0.0000	0.01	Q					111+10	0.0000	0.00	Q				
106+ 5	0.0000	0.01	Q					111+15	0.0000	0.00	Q				
106+10	0.0000	0.01	Q					111+20	0.0000	0.00	Q				
106+15	0.0000	0.01	Q					111+25	0.0000	0.00	Q				
106+20	0.0000	0.01	Q					111+30	0.0000	0.00	Q				
106+25	0.0000	0.01	Q					111+35	0.0000	0.00	Q				
106+30	0.0000	0.01	Q					111+40	0.0000	0.00	Q				
106+35	0.0000	0.01	Q					111+45	0.0000	0.00	Q				
106+40	0.0000	0.01	Q					111+50	0.0000	0.00	Q				
106+45	0.0000	0.01	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.01	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.01	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.01	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.01	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.01	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.01	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.01	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.01	Q					112+35	0.0000	0.00	Q				
107+30	0.0000	0.01	Q					112+40	0.0000	0.00	Q				
107+35	0.0000	0.01	Q					112+45	0.0000	0.00	Q				
107+40	0.0000	0.01	Q					112+50	0.0000	0.00	Q				
107+45	0.0000	0.01	Q					112+55	0.0000	0.00	Q				
107+50	0.0000	0.01	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.01	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.01	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.01	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.01	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.00	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.00	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				

115+40	0.0000	0.00	Q					120+50	0.0000	0.00	Q				
115+45	0.0000	0.00	Q					120+55	0.0000	0.00	Q				
115+50	0.0000	0.00	Q					121+ 0	0.0000	0.00	Q				
115+55	0.0000	0.00	Q					121+ 5	0.0000	0.00	Q				
116+ 0	0.0000	0.00	Q					121+10	0.0000	0.00	Q				
116+ 5	0.0000	0.00	Q					121+15	0.0000	0.00	Q				
116+10	0.0000	0.00	Q					121+20	0.0000	0.00	Q				
116+15	0.0000	0.00	Q					121+25	0.0000	0.00	Q				
116+20	0.0000	0.00	Q					121+30	0.0000	0.00	Q				
116+25	0.0000	0.00	Q					121+35	0.0000	0.00	Q				
116+30	0.0000	0.00	Q					121+40	0.0000	0.00	Q				
116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				
116+40	0.0000	0.00	Q					121+50	0.0000	0.00	Q				
116+45	0.0000	0.00	Q					121+55	0.0000	0.00	Q				
116+50	0.0000	0.00	Q					122+ 0	0.0000	0.00	Q				
116+55	0.0000	0.00	Q					122+ 5	0.0000	0.00	Q				
117+ 0	0.0000	0.00	Q					122+10	0.0000	0.00	Q				
117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				
117+50	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
117+55	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				

126+ 0	0.0000	0.00	Q	|	|	|	|
126+ 5	0.0000	0.00	Q	|	|	|	|
126+10	0.0000	0.00	Q	|	|	|	|
126+15	0.0000	0.00	Q	|	|	|	|
126+20	0.0000	0.00	Q	|	|	|	|
126+25	0.0000	0.00	Q	|	|	|	|
126+30	0.0000	0.00	Q	|	|	|	|
126+35	0.0000	0.00	Q	|	|	|	|
126+40	0.0000	0.00	Q	|	|	|	|
126+45	0.0000	0.00	Q	|	|	|	|
126+50	0.0000	0.00	Q	|	|	|	|
126+55	0.0000	0.00	Q	|	|	|	|
127+ 0	0.0000	0.00	Q	|	|	|	|
127+ 5	0.0000	0.00	Q	|	|	|	|
127+10	0.0000	0.00	Q	|	|	|	|
127+15	0.0000	0.00	Q	|	|	|	|
127+20	0.0000	0.00	Q	|	|	|	|
127+25	0.0000	0.00	Q	|	|	|	|
127+30	0.0000	0.00	Q	|	|	|	|
127+35	0.0000	0.00	Q	|	|	|	|
127+40	0.0000	0.00	Q	|	|	|	|
127+45	0.0000	0.00	Q	|	|	|	|
127+50	0.0000	0.00	Q	|	|	|	|
127+55	0.0000	0.00	Q	|	|	|	|
128+ 0	0.0000	0.00	Q	|	|	|	|
128+ 5	0.0000	0.00	Q	|	|	|	|
128+10	0.0000	0.00	Q	|	|	|	|
128+15	0.0000	0.00	Q	|	|	|	|
128+20	0.0000	0.00	Q	|	|	|	|
128+25	0.0000	0.00	Q	|	|	|	|
128+30	0.0000	0.00	Q	|	|	|	|
128+35	0.0000	0.00	Q	|	|	|	|
128+40	0.0000	0.00	Q	|	|	|	|
128+45	0.0000	0.00	Q	|	|	|	|
128+50	0.0000	0.00	Q	|	|	|	|
128+55	0.0000	0.00	Q	|	|	|	|
129+ 0	0.0000	0.00	Q	|	|	|	|
129+ 5	0.0000	0.00	Q	|	|	|	|
129+10	0.0000	0.00	Q	|	|	|	|
129+15	0.0000	0.00	Q	|	|	|	|
129+20	0.0000	0.00	Q	|	|	|	|
129+25	0.0000	0.00	Q	|	|	|	|
129+30	0.0000	0.00	Q	|	|	|	|
129+35	0.0000	0.00	Q	|	|	|	|
129+40	0.0000	0.00	Q	|	|	|	|
129+45	0.0000	0.00	Q	|	|	|	|
129+50	0.0000	0.00	Q	|	|	|	|
129+55	0.0000	0.00	Q	|	|	|	|
130+ 0	0.0000	0.00	Q	|	|	|	|
130+ 5	0.0000	0.00	Q	|	|	|	|
130+10	0.0000	0.00	Q	|	|	|	|
130+15	0.0000	0.00	Q	|	|	|	|
130+20	0.0000	0.00	Q	|	|	|	|
130+25	0.0000	0.00	Q	|	|	|	|
130+30	0.0000	0.00	Q	|	|	|	|
130+35	0.0000	0.00	Q	|	|	|	|
130+40	0.0000	0.00	Q	|	|	|	|
130+45	0.0000	0.00	Q	|	|	|	|
130+50	0.0000	0.00	Q	|	|	|	|
130+55	0.0000	0.00	Q	|	|	|	|
131+ 0	0.0000	0.00	Q	|	|	|	|
131+ 5	0.0000	0.00	Q	|	|	|	|
131+10	0.0000	0.00	Q	|	|	|	|

```
**************************HYDROGRAPH DATA**************************
                Number of intervals =  1574
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       12.512 (CFS)
                Total volume =      17.292 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.300 to Point/Station        5.700
**** STORE OR DELETE CURRENT HYDROGRAPH ****
_______________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 2 with
a starting time of   0.00 hours and ending time of  25.00 hours
With a total volume of      13.65(Ac.Ft)
**************************HYDROGRAPH DATA**************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000    12.512     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000    13.648     0.000     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.600 to Point/Station        5.700
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
_______________________________________________________________________________
********************* HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP5A1003100.rte
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                  P R I N T  O F  S T O R M
               R u n o f f     H y d r o g r a p h
-------------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       70.4     140.9     211.3     281.8
-------------------------------------------------------------------------------
  0+ 5       0.2096      0.21  Q         |         |         |         |
  0+10       0.7626      0.76  Q         |         |         |         |
  0+15       1.5302      1.53  Q         |         |         |         |
  0+20       2.6248      2.62  Q         |         |         |         |
  0+25       4.3632      4.36  Q         |         |         |         |
  0+30       7.7614      7.76  |Q        |         |         |         |
  0+35      11.7272     11.73  |Q        |         |         |         |
  0+40      13.9000     13.90  |Q        |         |         |         |
```

0+45	16.4447	16.44	Q
0+50	19.4602	19.46	Q
0+55	22.7791	22.78	Q
1+ 0	25.4198	25.42	Q
1+ 5	27.2325	27.23	Q
1+10	31.1326	31.13	Q
1+15	32.3412	32.34	Q
1+20	33.9353	33.94	Q
1+25	39.4594	39.46	Q
1+30	47.6527	47.65	Q
1+35	55.2381	55.24	Q
1+40	59.8708	59.87	Q
1+45	64.5259	64.53	Q
1+50	72.1568	72.16	Q
1+55	82.1390	82.14	Q
2+ 0	87.5984	87.60	Q
2+ 5	93.4781	93.48	Q
2+10	104.4951	104.50	Q
2+15	115.1974	115.20	Q
2+20	121.0118	121.01	Q
2+25	129.8037	129.80	Q
2+30	146.5503	146.55	Q
2+35	172.6381	172.64	Q
2+40	203.9272	203.93	Q
2+45	223.1188	223.12	Q
2+50	244.3030	244.30	Q
2+55	276.1926	276.19	Q
3+ 0	281.7684	281.77	Q
3+ 5	259.1625	259.16	Q
3+10	201.5549	201.55	Q
3+15	148.7399	148.74	Q
3+20	122.3485	122.35	Q
3+25	101.6101	101.61	Q
3+30	83.1981	83.20	Q
3+35	69.8696	69.87	Q
3+40	59.8694	59.87	Q
3+45	51.5733	51.57	Q
3+50	44.4915	44.49	Q
3+55	38.4163	38.42	Q
4+ 0	33.1272	33.13	Q
4+ 5	28.3260	28.33	Q
4+10	23.9996	24.00	Q
4+15	20.1065	20.11	Q
4+20	16.7651	16.77	Q
4+25	13.9520	13.95	Q
4+30	11.1412	11.14	Q
4+35	8.7850	8.78	Q
4+40	7.0499	7.05	Q
4+45	5.9281	5.93	Q
4+50	5.2768	5.28	Q
4+55	4.7163	4.72	Q
5+ 0	4.2001	4.20	Q
5+ 5	3.7594	3.76	Q
5+10	3.3515	3.35	Q
5+15	3.0879	3.09	Q
5+20	2.9584	2.96	Q
5+25	2.7963	2.80	Q
5+30	2.4485	2.45	Q
5+35	2.0279	2.03	Q
5+40	1.6052	1.61	Q
5+45	1.2437	1.24	Q
5+50	0.9749	0.97	Q
5+55	0.7114	0.71	Q
6+ 0	0.4748	0.47	Q
6+ 5	0.2968	0.30	Q
6+10	0.1341	0.13	Q
6+15	0.0468	0.05	Q
6+20	0.0270	0.03	Q
6+25	0.0121	0.01	Q
6+30	0.0019	0.00	Q

**********HYDROGRAPH DATA**********

Number of intervals = 78
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 281.768 (CFS)
Total volume = 29.359 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	12.512	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	13.648	0.000	0.000	0.000

****

++

Process from Point/Station 5.700 to Point/Station 5.700

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 2 the total
volume of 13.65 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

++

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	71.8	143.6	215.5	287.3
0+ 5	0.0943	0.30	Q				
0+10	0.8038	1.57	Q				
0+15	2.3737	3.90	Q				
0+20	3.0584	5.68	Q				
0+25	3.0854	7.45	qQ				
0+30	3.1198	10.88	qQ				
0+35	3.1593	14.89	q Q				
0+40	3.2018	17.10	q Q				
0+45	3.2479	19.69	q Q				
0+50	3.3506	22.81	q Q				
0+55	3.4694	26.25	q Q				
1+ 0	3.5914	29.01	q Q				
1+ 5	3.7261	30.96	q Q				
1+10	3.8756	35.01	q Q				
1+15	4.0327	36.37	q Q				
1+20	4.1400	38.08	q Q				
1+25	4.2117	43.67	q Q				
1+30	4.2902	51.94	q Q				
1+35	4.3729	59.61	q Q				
1+40	4.4561	64.33	q Q				
1+45	4.5447	69.07	q Q				
1+50	4.6114	76.77	q Q				

1+55	4.6738	86.81	q	Q				
2+ 0	4.7353	92.33	q	Q				
2+ 5	4.7975	98.28	q	Q				
2+10	4.8649	109.36	q	Q				
2+15	4.9354	120.13	q	Q				
2+20	4.9912	126.00	q	Q				
2+25	5.0514	134.86	q	Q				
2+30	5.1273	151.68	q	Q				
2+35	5.2172	177.86	q	Q				
2+40	5.2909	209.22	q	Q				
2+45	5.3548	228.47	q	Q				
2+50	5.4022	249.71	q	Q				
2+55	5.4580	281.65	q	Q				
3+ 0	5.5222	287.29	q	Q				
3+ 5	5.5865	264.75	q	Q				
3+10	5.6432	207.20	q	Q				
3+15	5.6883	154.43	q	Q				
3+20	5.7186	128.07	q	Q				
3+25	5.7371	107.35	q	Q				
3+30	5.7530	88.95	q	Q				
3+35	5.7685	75.64	q	Q				
3+40	5.7839	65.65	q	Q				
3+45	5.7990	57.37	q	Q				
3+50	5.8140	50.31	q	Q				
3+55	5.8288	44.25	q	Q				
4+ 0	5.8434	38.97	q	Q				
4+ 5	5.8579	34.18	q	Q				
4+10	5.8721	29.87	q	Q				
4+15	5.8862	25.99	q	Q				
4+20	5.9002	22.67	q	Q				
4+25	5.9140	19.87	q	Q				
4+30	6.3026	17.44	q	Q				
4+35	6.9567	15.74	q	Q				
4+40	7.5594	14.61	q	Q				
4+45	8.1132	14.04	Q					
4+50	8.6215	13.90	Q					
4+55	9.0871	13.80	Q					
5+ 0	9.5130	13.71	Q					
5+ 5	9.9017	13.66	Q					
5+10	10.2559	13.61	Q					
5+15	10.5777	13.67	Q					
5+20	10.8693	13.83	Q					
5+25	11.1329	13.93	Q					
5+30	11.3702	13.82	Q					
5+35	11.5831	13.61	Q					
5+40	11.7731	13.38	Q					
5+45	11.9411	13.18	Q					
5+50	12.0855	13.06	Q					
5+55	12.2060	12.92	Q					
6+ 0	12.3039	12.78	Q					
6+ 5	12.3811	12.68	Q					
6+10	12.4391	12.57	Q					
6+15	12.4794	12.53	Q					
6+20	12.5032	12.53	Q					
6+25	12.5120	12.52	Q					
6+30	12.5068	12.51	Q					
6+35	12.4889	12.49	Q					
6+40	12.4592	12.46	Q					
6+45	12.4187	12.42	Q					
6+50	12.3684	12.37	Q					
6+55	12.3090	12.31	Q					
7+ 0	12.2413	12.24	Q					
7+ 5	12.1682	12.17	Q					
7+10	12.0946	12.09	Q					
7+15	12.0232	12.02	Q					
7+20	11.9540	11.95	Q					
7+25	11.8870	11.89	Q					
7+30	11.8220	11.82	Q					
7+35	11.7590	11.76	Q					
7+40	11.6977	11.70	Q					
7+45	11.6382	11.64	Q					
7+50	11.5802	11.58	Q					
7+55	11.5237	11.52	Q					
8+ 0	11.4685	11.47	Q					
8+ 5	11.4148	11.41	Q					
8+10	11.3622	11.36	Q					
8+15	11.3108	11.31	Q					
8+20	11.2606	11.26	Q					
8+25	11.2113	11.21	Q					
8+30	11.1629	11.16	Q					
8+35	11.1152	11.12	Q					
8+40	11.0679	11.07	Q					
8+45	11.0210	11.02	Q					
8+50	10.9746	10.97	Q					
8+55	10.9286	10.93	Q					
9+ 0	10.8831	10.88	Q					
9+ 5	10.8378	10.84	Q					
9+10	10.7930	10.79	Q					
9+15	10.7485	10.75	Q					
9+20	10.7044	10.70	Q					
9+25	10.6605	10.66	Q					
9+30	10.6170	10.62	Q					
9+35	10.5739	10.57	Q					
9+40	10.5310	10.53	Q					
9+45	10.4883	10.49	Q					
9+50	10.4459	10.45	Q					
9+55	10.4036	10.40	Q					
10+ 0	10.3611	10.36	Q					
10+ 5	10.3185	10.32	Q					
10+10	10.2758	10.28	Q					
10+15	10.2330	10.23	Q					
10+20	10.1903	10.19	Q					
10+25	10.1474	10.15	Q					
10+30	10.1046	10.10	Q					
10+35	10.0617	10.06	Q					
10+40	10.0189	10.02	Q					
10+45	9.9761	9.98	Q					
10+50	9.9333	9.93	Q					
10+55	9.8905	9.89	Q					
11+ 0	9.8478	9.85	Q					
11+ 5	9.8052	9.81	Q					
11+10	9.7624	9.76	Q					
11+15	9.7191	9.72	Q					
11+20	9.6754	9.68	Q					
11+25	9.6312	9.63	Q					
11+30	9.5865	9.59	Q					
11+35	9.5415	9.54	Q					
11+40	9.4962	9.50	Q					
11+45	9.4505	9.45	Q					
11+50	9.4047	9.40	Q					
11+55	9.3586	9.36	Q					
12+ 0	9.3123	9.31	Q					
12+ 5	9.2658	9.27	Q					
12+10	9.2193	9.22	Q					

12+15	9.1726	9.17	|Q	|	|	|	|	17+25	5.8522	5.85	Q	|	|	|	|
12+20	9.1258	9.13	|Q	|	|	|	|	17+30	5.5641	5.56	Q	|	|	|	|
12+25	9.0787	9.08	|Q	|	|	|	|	17+35	5.2889	5.29	Q	|	|	|	|
12+30	9.0308	9.03	|Q	|	|	|	|	17+40	5.0411	5.04	Q	|	|	|	|
12+35	8.9822	8.98	|Q	|	|	|	|	17+45	4.8181	4.82	Q	|	|	|	|
12+40	8.9329	8.93	|Q	|	|	|	|	17+50	4.6174	4.62	Q	|	|	|	|
12+45	8.8829	8.88	|Q	|	|	|	|	17+55	4.4366	4.44	Q	|	|	|	|
12+50	8.8325	8.83	|Q	|	|	|	|	18+ 0	4.2738	4.27	Q	|	|	|	|
12+55	8.7815	8.78	|Q	|	|	|	|	18+ 5	4.1271	4.13	Q	|	|	|	|
13+ 0	8.7301	8.73	|Q	|	|	|	|	18+10	3.9950	3.99	Q	|	|	|	|
13+ 5	8.6783	8.68	|Q	|	|	|	|	18+15	3.8758	3.88	Q	|	|	|	|
13+10	8.6262	8.63	|Q	|	|	|	|	18+20	3.7684	3.77	Q	|	|	|	|
13+15	8.5739	8.57	|Q	|	|	|	|	18+25	3.6715	3.67	Q	|	|	|	|
13+20	8.5213	8.52	|Q	|	|	|	|	18+30	3.5841	3.58	Q	|	|	|	|
13+25	8.4685	8.47	|Q	|	|	|	|	18+35	3.5051	3.51	Q	|	|	|	|
13+30	8.4155	8.42	|Q	|	|	|	|	18+40	3.4339	3.43	Q	|	|	|	|
13+35	8.3620	8.36	|Q	|	|	|	|	18+45	3.3694	3.37	Q	|	|	|	|
13+40	8.3073	8.31	|Q	|	|	|	|	18+50	3.3112	3.31	Q	|	|	|	|
13+45	8.2511	8.25	|Q	|	|	|	|	18+55	3.2585	3.26	Q	|	|	|	|
13+50	8.1936	8.19	|Q	|	|	|	|	19+ 0	3.2107	3.21	Q	|	|	|	|
13+55	8.1348	8.13	|Q	|	|	|	|	19+ 5	3.1675	3.17	Q	|	|	|	|
14+ 0	8.0750	8.08	|Q	|	|	|	|	19+10	3.1283	3.13	Q	|	|	|	|
14+ 5	8.0143	8.01	|Q	|	|	|	|	19+15	3.0926	3.09	Q	|	|	|	|
14+10	7.9526	7.95	|Q	|	|	|	|	19+20	3.0603	3.06	Q	|	|	|	|
14+15	7.8903	7.89	|Q	|	|	|	|	19+25	3.0309	3.03	Q	|	|	|	|
14+20	7.8273	7.83	|Q	|	|	|	|	19+30	3.0040	3.00	Q	|	|	|	|
14+25	7.7637	7.76	|Q	|	|	|	|	19+35	2.9796	2.98	Q	|	|	|	|
14+30	7.6996	7.70	|Q	|	|	|	|	19+40	2.9573	2.96	Q	|	|	|	|
14+35	7.6352	7.64	|Q	|	|	|	|	19+45	2.9369	2.94	Q	|	|	|	|
14+40	7.5704	7.57	|Q	|	|	|	|	19+50	2.9182	2.92	Q	|	|	|	|
14+45	7.5049	7.50	|Q	|	|	|	|	19+55	2.9010	2.90	Q	|	|	|	|
14+50	7.4379	7.44	|Q	|	|	|	|	20+ 0	2.8852	2.89	Q	|	|	|	|
14+55	7.3696	7.37	|Q	|	|	|	|	20+ 5	2.8707	2.87	Q	|	|	|	|
15+ 0	7.3001	7.30	|Q	|	|	|	|	20+10	2.8573	2.86	Q	|	|	|	|
15+ 5	7.2295	7.23	|Q	|	|	|	|	20+15	2.8449	2.84	Q	|	|	|	|
15+10	7.1581	7.16	Q	|	|	|	|	20+20	2.8334	2.83	Q	|	|	|	|
15+15	7.0859	7.09	Q	|	|	|	|	20+25	2.8227	2.82	Q	|	|	|	|
15+20	7.0130	7.01	Q	|	|	|	|	20+30	2.8127	2.81	Q	|	|	|	|
15+25	6.9396	6.94	Q	|	|	|	|	20+35	2.8034	2.80	Q	|	|	|	|
15+30	6.8658	6.87	Q	|	|	|	|	20+40	2.7947	2.79	Q	|	|	|	|
15+35	6.7917	6.79	Q	|	|	|	|	20+45	2.7865	2.79	Q	|	|	|	|
15+40	6.7163	6.72	Q	|	|	|	|	20+50	2.7789	2.78	Q	|	|	|	|
15+45	6.6386	6.64	Q	|	|	|	|	20+55	2.7716	2.77	Q	|	|	|	|
15+50	6.5588	6.56	Q	|	|	|	|	21+ 0	2.7647	2.76	Q	|	|	|	|
15+55	6.4770	6.48	Q	|	|	|	|	21+ 5	2.7582	2.76	Q	|	|	|	|
16+ 0	6.3935	6.39	Q	|	|	|	|	21+10	2.7520	2.75	Q	|	|	|	|
16+ 5	6.3086	6.31	Q	|	|	|	|	21+15	2.7460	2.75	Q	|	|	|	|
16+10	6.2226	6.22	Q	|	|	|	|	21+20	2.7404	2.74	Q	|	|	|	|
16+15	6.1356	6.14	Q	|	|	|	|	21+25	2.7349	2.73	Q	|	|	|	|
16+20	6.0478	6.05	Q	|	|	|	|	21+30	2.7297	2.73	Q	|	|	|	|
16+25	5.9595	5.96	Q	|	|	|	|	21+35	2.7246	2.72	Q	|	|	|	|
16+30	5.9190	5.92	Q	|	|	|	|	21+40	2.7188	2.72	Q	|	|	|	|
16+35	5.9171	5.92	Q	|	|	|	|	21+45	2.7130	2.71	Q	|	|	|	|
16+40	5.9150	5.92	Q	|	|	|	|	21+50	2.7074	2.71	Q	|	|	|	|
16+45	5.9128	5.91	Q	|	|	|	|	21+55	2.7019	2.70	Q	|	|	|	|
16+50	5.9103	5.91	Q	|	|	|	|	22+ 0	2.6965	2.70	Q	|	|	|	|
16+55	5.9077	5.91	Q	|	|	|	|	22+ 5	2.6913	2.69	Q	|	|	|	|
17+ 0	5.9049	5.90	Q	|	|	|	|	22+10	2.6861	2.69	Q	|	|	|	|
17+ 5	5.9019	5.90	Q	|	|	|	|	22+15	2.6810	2.68	Q	|	|	|	|
17+10	5.8988	5.90	Q	|	|	|	|	22+20	2.6760	2.68	Q	|	|	|	|
17+15	5.8955	5.90	Q	|	|	|	|	22+25	2.6710	2.67	Q	|	|	|	|
17+20	5.8921	5.89	Q	|	|	|	|	22+30	2.6661	2.67	Q	|	|	|	|

22+35	2.6613	2.66	Q					27+45	0.0000	0.00	Q				
22+40	2.6565	2.66	Q					27+50	0.0000	0.00	Q				
22+45	2.6518	2.65	Q					27+55	0.0000	0.00	Q				
22+50	2.6471	2.65	Q					28+ 0	0.0000	0.00	Q				
22+55	2.6399	2.64	Q					28+ 5	0.0000	0.00	Q				
23+ 0	2.6355	2.64	Q					28+10	0.0000	0.00	Q				
23+ 5	2.6312	2.63	Q					28+15	0.0000	0.00	Q				
23+10	2.6268	2.63	Q					28+20	0.0000	0.00	Q				
23+15	2.6225	2.62	Q					28+25	0.0000	0.00	Q				
23+20	2.6182	2.62	Q					28+30	0.0000	0.00	Q				
23+25	2.6139	2.61	Q					28+35	0.0000	0.00	Q				
23+30	2.6096	2.61	Q					28+40	0.0000	0.00	Q				
23+35	2.6053	2.61	Q					28+45	0.0000	0.00	Q				
23+40	2.6010	2.60	Q					28+50	0.0000	0.00	Q				
23+45	2.5967	2.60	Q					28+55	0.0000	0.00	Q				
23+50	2.5924	2.59	Q					29+ 0	0.0000	0.00	Q				
23+55	2.5881	2.59	Q					29+ 5	0.0000	0.00	Q				
24+ 0	2.5839	2.58	Q					29+10	0.0000	0.00	Q				
24+ 5	2.5796	2.58	Q					29+15	0.0000	0.00	Q				
24+10	2.5753	2.58	Q					29+20	0.0000	0.00	Q				
24+15	2.5711	2.57	Q					29+25	0.0000	0.00	Q				
24+20	2.5669	2.57	Q					29+30	0.0000	0.00	Q				
24+25	2.5626	2.56	Q					29+35	0.0000	0.00	Q				
24+30	2.5584	2.56	Q					29+40	0.0000	0.00	Q				
24+35	2.5542	2.55	Q					29+45	0.0000	0.00	Q				
24+40	2.5500	2.55	Q					29+50	0.0000	0.00	Q				
24+45	2.5458	2.55	Q					29+55	0.0000	0.00	Q				
24+50	2.5416	2.54	Q					30+ 0	0.0000	0.00	Q				
24+55	2.5374	2.54	Q					30+ 5	0.0000	0.00	Q				
25+ 0	2.5332	2.53	Q					30+10	0.0000	0.00	Q				
25+ 5	0.0000	0.00	Q					30+15	0.0000	0.00	Q				
25+10	0.0000	0.00	Q					30+20	0.0000	0.00	Q				
25+15	0.0000	0.00	Q					30+25	0.0000	0.00	Q				
25+20	0.0000	0.00	Q					30+30	0.0000	0.00	Q				
25+25	0.0000	0.00	Q					30+35	0.0000	0.00	Q				
25+30	0.0000	0.00	Q					30+40	0.0000	0.00	Q				
25+35	0.0000	0.00	Q					30+45	0.0000	0.00	Q				
25+40	0.0000	0.00	Q					30+50	0.0000	0.00	Q				
25+45	0.0000	0.00	Q					30+55	0.0000	0.00	Q				
25+50	0.0000	0.00	Q					31+ 0	0.0000	0.00	Q				
25+55	0.0000	0.00	Q					31+ 5	0.0000	0.00	Q				
26+ 0	0.0000	0.00	Q					31+10	0.0000	0.00	Q				
26+ 5	0.0000	0.00	Q					31+15	0.0000	0.00	Q				
26+10	0.0000	0.00	Q					31+20	0.0000	0.00	Q				
26+15	0.0000	0.00	Q					31+25	0.0000	0.00	Q				
26+20	0.0000	0.00	Q					31+30	0.0000	0.00	Q				
26+25	0.0000	0.00	Q					31+35	0.0000	0.00	Q				
26+30	0.0000	0.00	Q					31+40	0.0000	0.00	Q				
26+35	0.0000	0.00	Q					31+45	0.0000	0.00	Q				
26+40	0.0000	0.00	Q					31+50	0.0000	0.00	Q				
26+45	0.0000	0.00	Q					31+55	0.0000	0.00	Q				
26+50	0.0000	0.00	Q					32+ 0	0.0000	0.00	Q				
26+55	0.0000	0.00	Q					32+ 5	0.0000	0.00	Q				
27+ 0	0.0000	0.00	Q					32+10	0.0000	0.00	Q				
27+ 5	0.0000	0.00	Q					32+15	0.0000	0.00	Q				
27+10	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+50	0.0000	0.00	Q				

32+55	0.0000	0.00	Q					38+ 5	0.0000	0.00	Q				
33+ 0	0.0000	0.00	Q					38+10	0.0000	0.00	Q				
33+ 5	0.0000	0.00	Q					38+15	0.0000	0.00	Q				
33+10	0.0000	0.00	Q					38+20	0.0000	0.00	Q				
33+15	0.0000	0.00	Q					38+25	0.0000	0.00	Q				
33+20	0.0000	0.00	Q					38+30	0.0000	0.00	Q				
33+25	0.0000	0.00	Q					38+35	0.0000	0.00	Q				
33+30	0.0000	0.00	Q					38+40	0.0000	0.00	Q				
33+35	0.0000	0.00	Q					38+45	0.0000	0.00	Q				
33+40	0.0000	0.00	Q					38+50	0.0000	0.00	Q				
33+45	0.0000	0.00	Q					38+55	0.0000	0.00	Q				
33+50	0.0000	0.00	Q					39+ 0	0.0000	0.00	Q				
33+55	0.0000	0.00	Q					39+ 5	0.0000	0.00	Q				
34+ 0	0.0000	0.00	Q					39+10	0.0000	0.00	Q				
34+ 5	0.0000	0.00	Q					39+15	0.0000	0.00	Q				
34+10	0.0000	0.00	Q					39+20	0.0000	0.00	Q				
34+15	0.0000	0.00	Q					39+25	0.0000	0.00	Q				
34+20	0.0000	0.00	Q					39+30	0.0000	0.00	Q				
34+25	0.0000	0.00	Q					39+35	0.0000	0.00	Q				
34+30	0.0000	0.00	Q					39+40	0.0000	0.00	Q				
34+35	0.0000	0.00	Q					39+45	0.0000	0.00	Q				
34+40	0.0000	0.00	Q					39+50	0.0000	0.00	Q				
34+45	0.0000	0.00	Q					39+55	0.0000	0.00	Q				
34+50	0.0000	0.00	Q					40+ 0	0.0000	0.00	Q				
34+55	0.0000	0.00	Q					40+ 5	0.0000	0.00	Q				
35+ 0	0.0000	0.00	Q					40+10	0.0000	0.00	Q				
35+ 5	0.0000	0.00	Q					40+15	0.0000	0.00	Q				
35+10	0.0000	0.00	Q					40+20	0.0000	0.00	Q				
35+15	0.0000	0.00	Q					40+25	0.0000	0.00	Q				
35+20	0.0000	0.00	Q					40+30	0.0000	0.00	Q				
35+25	0.0000	0.00	Q					40+35	0.0000	0.00	Q				
35+30	0.0000	0.00	Q					40+40	0.0000	0.00	Q				
35+35	0.0000	0.00	Q					40+45	0.0000	0.00	Q				
35+40	0.0000	0.00	Q					40+50	0.0000	0.00	Q				
35+45	0.0000	0.00	Q					40+55	0.0000	0.00	Q				
35+50	0.0000	0.00	Q					41+ 0	0.0000	0.00	Q				
35+55	0.0000	0.00	Q					41+ 5	0.0000	0.00	Q				
36+ 0	0.0000	0.00	Q					41+10	0.0000	0.00	Q				
36+ 5	0.0000	0.00	Q					41+15	0.0000	0.00	Q				
36+10	0.0000	0.00	Q					41+20	0.0000	0.00	Q				
36+15	0.0000	0.00	Q					41+25	0.0000	0.00	Q				
36+20	0.0000	0.00	Q					41+30	0.0000	0.00	Q				
36+25	0.0000	0.00	Q					41+35	0.0000	0.00	Q				
36+30	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+35	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				

43+15	0.0000	0.00	Q					48+25	0.0000	0.00	Q				
43+20	0.0000	0.00	Q					48+30	0.0000	0.00	Q				
43+25	0.0000	0.00	Q					48+35	0.0000	0.00	Q				
43+30	0.0000	0.00	Q					48+40	0.0000	0.00	Q				
43+35	0.0000	0.00	Q					48+45	0.0000	0.00	Q				
43+40	0.0000	0.00	Q					48+50	0.0000	0.00	Q				
43+45	0.0000	0.00	Q					48+55	0.0000	0.00	Q				
43+50	0.0000	0.00	Q					49+ 0	0.0000	0.00	Q				
43+55	0.0000	0.00	Q					49+ 5	0.0000	0.00	Q				
44+ 0	0.0000	0.00	Q					49+10	0.0000	0.00	Q				
44+ 5	0.0000	0.00	Q					49+15	0.0000	0.00	Q				
44+10	0.0000	0.00	Q					49+20	0.0000	0.00	Q				
44+15	0.0000	0.00	Q					49+25	0.0000	0.00	Q				
44+20	0.0000	0.00	Q					49+30	0.0000	0.00	Q				
44+25	0.0000	0.00	Q					49+35	0.0000	0.00	Q				
44+30	0.0000	0.00	Q					49+40	0.0000	0.00	Q				
44+35	0.0000	0.00	Q					49+45	0.0000	0.00	Q				
44+40	0.0000	0.00	Q					49+50	0.0000	0.00	Q				
44+45	0.0000	0.00	Q					49+55	0.0000	0.00	Q				
44+50	0.0000	0.00	Q					50+ 0	0.0000	0.00	Q				
44+55	0.0000	0.00	Q					50+ 5	0.0000	0.00	Q				
45+ 0	0.0000	0.00	Q					50+10	0.0000	0.00	Q				
45+ 5	0.0000	0.00	Q					50+15	0.0000	0.00	Q				
45+10	0.0000	0.00	Q					50+20	0.0000	0.00	Q				
45+15	0.0000	0.00	Q					50+25	0.0000	0.00	Q				
45+20	0.0000	0.00	Q					50+30	0.0000	0.00	Q				
45+25	0.0000	0.00	Q					50+35	0.0000	0.00	Q				
45+30	0.0000	0.00	Q					50+40	0.0000	0.00	Q				
45+35	0.0000	0.00	Q					50+45	0.0000	0.00	Q				
45+40	0.0000	0.00	Q					50+50	0.0000	0.00	Q				
45+45	0.0000	0.00	Q					50+55	0.0000	0.00	Q				
45+50	0.0000	0.00	Q					51+ 0	0.0000	0.00	Q				
45+55	0.0000	0.00	Q					51+ 5	0.0000	0.00	Q				
46+ 0	0.0000	0.00	Q					51+10	0.0000	0.00	Q				
46+ 5	0.0000	0.00	Q					51+15	0.0000	0.00	Q				
46+10	0.0000	0.00	Q					51+20	0.0000	0.00	Q				
46+15	0.0000	0.00	Q					51+25	0.0000	0.00	Q				
46+20	0.0000	0.00	Q					51+30	0.0000	0.00	Q				
46+25	0.0000	0.00	Q					51+35	0.0000	0.00	Q				
46+30	0.0000	0.00	Q					51+40	0.0000	0.00	Q				
46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+30	0.0000	0.00	Q				

53+35	0.0000	0.00	Q					58+45	0.0000	0.00	Q				
53+40	0.0000	0.00	Q					58+50	0.0000	0.00	Q				
53+45	0.0000	0.00	Q					58+55	0.0000	0.00	Q				
53+50	0.0000	0.00	Q					59+ 0	0.0000	0.00	Q				
53+55	0.0000	0.00	Q					59+ 5	0.0000	0.00	Q				
54+ 0	0.0000	0.00	Q					59+10	0.0000	0.00	Q				
54+ 5	0.0000	0.00	Q					59+15	0.0000	0.00	Q				
54+10	0.0000	0.00	Q					59+20	0.0000	0.00	Q				
54+15	0.0000	0.00	Q					59+25	0.0000	0.00	Q				
54+20	0.0000	0.00	Q					59+30	0.0000	0.00	Q				
54+25	0.0000	0.00	Q					59+35	0.0000	0.00	Q				
54+30	0.0000	0.00	Q					59+40	0.0000	0.00	Q				
54+35	0.0000	0.00	Q					59+45	0.0000	0.00	Q				
54+40	0.0000	0.00	Q					59+50	0.0000	0.00	Q				
54+45	0.0000	0.00	Q					59+55	0.0000	0.00	Q				
54+50	0.0000	0.00	Q					60+ 0	0.0000	0.00	Q				
54+55	0.0000	0.00	Q					60+ 5	0.0000	0.00	Q				
55+ 0	0.0000	0.00	Q					60+10	0.0000	0.00	Q				
55+ 5	0.0000	0.00	Q					60+15	0.0000	0.00	Q				
55+10	0.0000	0.00	Q					60+20	0.0000	0.00	Q				
55+15	0.0000	0.00	Q					60+25	0.0000	0.00	Q				
55+20	0.0000	0.00	Q					60+30	0.0000	0.00	Q				
55+25	0.0000	0.00	Q					60+35	0.0000	0.00	Q				
55+30	0.0000	0.00	Q					60+40	0.0000	0.00	Q				
55+35	0.0000	0.00	Q					60+45	0.0000	0.00	Q				
55+40	0.0000	0.00	Q					60+50	0.0000	0.00	Q				
55+45	0.0000	0.00	Q					60+55	0.0000	0.00	Q				
55+50	0.0000	0.00	Q					61+ 0	0.0000	0.00	Q				
55+55	0.0000	0.00	Q					61+ 5	0.0000	0.00	Q				
56+ 0	0.0000	0.00	Q					61+10	0.0000	0.00	Q				
56+ 5	0.0000	0.00	Q					61+15	0.0000	0.00	Q				
56+10	0.0000	0.00	Q					61+20	0.0000	0.00	Q				
56+15	0.0000	0.00	Q					61+25	0.0000	0.00	Q				
56+20	0.0000	0.00	Q					61+30	0.0000	0.00	Q				
56+25	0.0000	0.00	Q					61+35	0.0000	0.00	Q				
56+30	0.0000	0.00	Q					61+40	0.0000	0.00	Q				
56+35	0.0000	0.00	Q					61+45	0.0000	0.00	Q				
56+40	0.0000	0.00	Q					61+50	0.0000	0.00	Q				
56+45	0.0000	0.00	Q					61+55	0.0000	0.00	Q				
56+50	0.0000	0.00	Q					62+ 0	0.0000	0.00	Q				
56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				

63+55	0.0000	0.00	Q					69+ 5	0.0000	0.00	Q				
64+ 0	0.0000	0.00	Q					69+10	0.0000	0.00	Q				
64+ 5	0.0000	0.00	Q					69+15	0.0000	0.00	Q				
64+10	0.0000	0.00	Q					69+20	0.0000	0.00	Q				
64+15	0.0000	0.00	Q					69+25	0.0000	0.00	Q				
64+20	0.0000	0.00	Q					69+30	0.0000	0.00	Q				
64+25	0.0000	0.00	Q					69+35	0.0000	0.00	Q				
64+30	0.0000	0.00	Q					69+40	0.0000	0.00	Q				
64+35	0.0000	0.00	Q					69+45	0.0000	0.00	Q				
64+40	0.0000	0.00	Q					69+50	0.0000	0.00	Q				
64+45	0.0000	0.00	Q					69+55	0.0000	0.00	Q				
64+50	0.0000	0.00	Q					70+ 0	0.0000	0.00	Q				
64+55	0.0000	0.00	Q					70+ 5	0.0000	0.00	Q				
65+ 0	0.0000	0.00	Q					70+10	0.0000	0.00	Q				
65+ 5	0.0000	0.00	Q					70+15	0.0000	0.00	Q				
65+10	0.0000	0.00	Q					70+20	0.0000	0.00	Q				
65+15	0.0000	0.00	Q					70+25	0.0000	0.00	Q				
65+20	0.0000	0.00	Q					70+30	0.0000	0.00	Q				
65+25	0.0000	0.00	Q					70+35	0.0000	0.00	Q				
65+30	0.0000	0.00	Q					70+40	0.0000	0.00	Q				
65+35	0.0000	0.00	Q					70+45	0.0000	0.00	Q				
65+40	0.0000	0.00	Q					70+50	0.0000	0.00	Q				
65+45	0.0000	0.00	Q					70+55	0.0000	0.00	Q				
65+50	0.0000	0.00	Q					71+ 0	0.0000	0.00	Q				
65+55	0.0000	0.00	Q					71+ 5	0.0000	0.00	Q				
66+ 0	0.0000	0.00	Q					71+10	0.0000	0.00	Q				
66+ 5	0.0000	0.00	Q					71+15	0.0000	0.00	Q				
66+10	0.0000	0.00	Q					71+20	0.0000	0.00	Q				
66+15	0.0000	0.00	Q					71+25	0.0000	0.00	Q				
66+20	0.0000	0.00	Q					71+30	0.0000	0.00	Q				
66+25	0.0000	0.00	Q					71+35	0.0000	0.00	Q				
66+30	0.0000	0.00	Q					71+40	0.0000	0.00	Q				
66+35	0.0000	0.00	Q					71+45	0.0000	0.00	Q				
66+40	0.0000	0.00	Q					71+50	0.0000	0.00	Q				
66+45	0.0000	0.00	Q					71+55	0.0000	0.00	Q				
66+50	0.0000	0.00	Q					72+ 0	0.0000	0.00	Q				
66+55	0.0000	0.00	Q					72+ 5	0.0000	0.00	Q				
67+ 0	0.0000	0.00	Q					72+10	0.0000	0.00	Q				
67+ 5	0.0000	0.00	Q					72+15	0.0000	0.00	Q				
67+10	0.0000	0.00	Q					72+20	0.0000	0.00	Q				
67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+10	0.0000	0.00	Q				

74+15	0.0000	0.00	Q					79+25	0.0000	0.00	Q				
74+20	0.0000	0.00	Q					79+30	0.0000	0.00	Q				
74+25	0.0000	0.00	Q					79+35	0.0000	0.00	Q				
74+30	0.0000	0.00	Q					79+40	0.0000	0.00	Q				
74+35	0.0000	0.00	Q					79+45	0.0000	0.00	Q				
74+40	0.0000	0.00	Q					79+50	0.0000	0.00	Q				
74+45	0.0000	0.00	Q					79+55	0.0000	0.00	Q				
74+50	0.0000	0.00	Q					80+ 0	0.0000	0.00	Q				
74+55	0.0000	0.00	Q					80+ 5	0.0000	0.00	Q				
75+ 0	0.0000	0.00	Q					80+10	0.0000	0.00	Q				
75+ 5	0.0000	0.00	Q					80+15	0.0000	0.00	Q				
75+10	0.0000	0.00	Q					80+20	0.0000	0.00	Q				
75+15	0.0000	0.00	Q					80+25	0.0000	0.00	Q				
75+20	0.0000	0.00	Q					80+30	0.0000	0.00	Q				
75+25	0.0000	0.00	Q					80+35	0.0000	0.00	Q				
75+30	0.0000	0.00	Q					80+40	0.0000	0.00	Q				
75+35	0.0000	0.00	Q					80+45	0.0000	0.00	Q				
75+40	0.0000	0.00	Q					80+50	0.0000	0.00	Q				
75+45	0.0000	0.00	Q					80+55	0.0000	0.00	Q				
75+50	0.0000	0.00	Q					81+ 0	0.0000	0.00	Q				
75+55	0.0000	0.00	Q					81+ 5	0.0000	0.00	Q				
76+ 0	0.0000	0.00	Q					81+10	0.0000	0.00	Q				
76+ 5	0.0000	0.00	Q					81+15	0.0000	0.00	Q				
76+10	0.0000	0.00	Q					81+20	0.0000	0.00	Q				
76+15	0.0000	0.00	Q					81+25	0.0000	0.00	Q				
76+20	0.0000	0.00	Q					81+30	0.0000	0.00	Q				
76+25	0.0000	0.00	Q					81+35	0.0000	0.00	Q				
76+30	0.0000	0.00	Q					81+40	0.0000	0.00	Q				
76+35	0.0000	0.00	Q					81+45	0.0000	0.00	Q				
76+40	0.0000	0.00	Q					81+50	0.0000	0.00	Q				
76+45	0.0000	0.00	Q					81+55	0.0000	0.00	Q				
76+50	0.0000	0.00	Q					82+ 0	0.0000	0.00	Q				
76+55	0.0000	0.00	Q					82+ 5	0.0000	0.00	Q				
77+ 0	0.0000	0.00	Q					82+10	0.0000	0.00	Q				
77+ 5	0.0000	0.00	Q					82+15	0.0000	0.00	Q				
77+10	0.0000	0.00	Q					82+20	0.0000	0.00	Q				
77+15	0.0000	0.00	Q					82+25	0.0000	0.00	Q				
77+20	0.0000	0.00	Q					82+30	0.0000	0.00	Q				
77+25	0.0000	0.00	Q					82+35	0.0000	0.00	Q				
77+30	0.0000	0.00	Q					82+40	0.0000	0.00	Q				
77+35	0.0000	0.00	Q					82+45	0.0000	0.00	Q				
77+40	0.0000	0.00	Q					82+50	0.0000	0.00	Q				
77+45	0.0000	0.00	Q					82+55	0.0000	0.00	Q				
77+50	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q				
77+55	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q				
78+ 0	0.0000	0.00	Q					83+10	0.0000	0.00	Q				
78+ 5	0.0000	0.00	Q					83+15	0.0000	0.00	Q				
78+10	0.0000	0.00	Q					83+20	0.0000	0.00	Q				
78+15	0.0000	0.00	Q					83+25	0.0000	0.00	Q				
78+20	0.0000	0.00	Q					83+30	0.0000	0.00	Q				
78+25	0.0000	0.00	Q					83+35	0.0000	0.00	Q				
78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				

84+35	0.0000	0.00	Q					89+45	0.0000	0.00	Q				
84+40	0.0000	0.00	Q					89+50	0.0000	0.00	Q				
84+45	0.0000	0.00	Q					89+55	0.0000	0.00	Q				
84+50	0.0000	0.00	Q					90+ 0	0.0000	0.00	Q				
84+55	0.0000	0.00	Q					90+ 5	0.0000	0.00	Q				
85+ 0	0.0000	0.00	Q					90+10	0.0000	0.00	Q				
85+ 5	0.0000	0.00	Q					90+15	0.0000	0.00	Q				
85+10	0.0000	0.00	Q					90+20	0.0000	0.00	Q				
85+15	0.0000	0.00	Q					90+25	0.0000	0.00	Q				
85+20	0.0000	0.00	Q					90+30	0.0000	0.00	Q				
85+25	0.0000	0.00	Q					90+35	0.0000	0.00	Q				
85+30	0.0000	0.00	Q					90+40	0.0000	0.00	Q				
85+35	0.0000	0.00	Q					90+45	0.0000	0.00	Q				
85+40	0.0000	0.00	Q					90+50	0.0000	0.00	Q				
85+45	0.0000	0.00	Q					90+55	0.0000	0.00	Q				
85+50	0.0000	0.00	Q					91+ 0	0.0000	0.00	Q				
85+55	0.0000	0.00	Q					91+ 5	0.0000	0.00	Q				
86+ 0	0.0000	0.00	Q					91+10	0.0000	0.00	Q				
86+ 5	0.0000	0.00	Q					91+15	0.0000	0.00	Q				
86+10	0.0000	0.00	Q					91+20	0.0000	0.00	Q				
86+15	0.0000	0.00	Q					91+25	0.0000	0.00	Q				
86+20	0.0000	0.00	Q					91+30	0.0000	0.00	Q				
86+25	0.0000	0.00	Q					91+35	0.0000	0.00	Q				
86+30	0.0000	0.00	Q					91+40	0.0000	0.00	Q				
86+35	0.0000	0.00	Q					91+45	0.0000	0.00	Q				
86+40	0.0000	0.00	Q					91+50	0.0000	0.00	Q				
86+45	0.0000	0.00	Q					91+55	0.0000	0.00	Q				
86+50	0.0000	0.00	Q					92+ 0	0.0000	0.00	Q				
86+55	0.0000	0.00	Q					92+ 5	0.0000	0.00	Q				
87+ 0	0.0000	0.00	Q					92+10	0.0000	0.00	Q				
87+ 5	0.0000	0.00	Q					92+15	0.0000	0.00	Q				
87+10	0.0000	0.00	Q					92+20	0.0000	0.00	Q				
87+15	0.0000	0.00	Q					92+25	0.0000	0.00	Q				
87+20	0.0000	0.00	Q					92+30	0.0000	0.00	Q				
87+25	0.0000	0.00	Q					92+35	0.0000	0.00	Q				
87+30	0.0000	0.00	Q					92+40	0.0000	0.00	Q				
87+35	0.0000	0.00	Q					92+45	0.0000	0.00	Q				
87+40	0.0000	0.00	Q					92+50	0.0000	0.00	Q				
87+45	0.0000	0.00	Q					92+55	0.0000	0.00	Q				
87+50	0.0000	0.00	Q					93+ 0	0.0000	0.00	Q				
87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+50	0.0000	0.00	Q				

94+55	0.0000	0.00	Q					100+ 5	0.0000	0.00	Q				
95+ 0	0.0000	0.00	Q					100+10	0.0000	0.00	Q				
95+ 5	0.0000	0.00	Q					100+15	0.0000	0.00	Q				
95+10	0.0000	0.00	Q					100+20	0.0000	0.00	Q				
95+15	0.0000	0.00	Q					100+25	0.0000	0.00	Q				
95+20	0.0000	0.00	Q					100+30	0.0000	0.00	Q				
95+25	0.0000	0.00	Q					100+35	0.0000	0.00	Q				
95+30	0.0000	0.00	Q					100+40	0.0000	0.00	Q				
95+35	0.0000	0.00	Q					100+45	0.0000	0.00	Q				
95+40	0.0000	0.00	Q					100+50	0.0000	0.00	Q				
95+45	0.0000	0.00	Q					100+55	0.0000	0.00	Q				
95+50	0.0000	0.00	Q					101+ 0	0.0000	0.00	Q				
95+55	0.0000	0.00	Q					101+ 5	0.0000	0.00	Q				
96+ 0	0.0000	0.00	Q					101+10	0.0000	0.00	Q				
96+ 5	0.0000	0.00	Q					101+15	0.0000	0.00	Q				
96+10	0.0000	0.00	Q					101+20	0.0000	0.00	Q				
96+15	0.0000	0.00	Q					101+25	0.0000	0.00	Q				
96+20	0.0000	0.00	Q					101+30	0.0000	0.00	Q				
96+25	0.0000	0.00	Q					101+35	0.0000	0.00	Q				
96+30	0.0000	0.00	Q					101+40	0.0000	0.00	Q				
96+35	0.0000	0.00	Q					101+45	0.0000	0.00	Q				
96+40	0.0000	0.00	Q					101+50	0.0000	0.00	Q				
96+45	0.0000	0.00	Q					101+55	0.0000	0.00	Q				
96+50	0.0000	0.00	Q					102+ 0	0.0000	0.00	Q				
96+55	0.0000	0.00	Q					102+ 5	0.0000	0.00	Q				
97+ 0	0.0000	0.00	Q					102+10	0.0000	0.00	Q				
97+ 5	0.0000	0.00	Q					102+15	0.0000	0.00	Q				
97+10	0.0000	0.00	Q					102+20	0.0000	0.00	Q				
97+15	0.0000	0.00	Q					102+25	0.0000	0.00	Q				
97+20	0.0000	0.00	Q					102+30	0.0000	0.00	Q				
97+25	0.0000	0.00	Q					102+35	0.0000	0.00	Q				
97+30	0.0000	0.00	Q					102+40	0.0000	0.00	Q				
97+35	0.0000	0.00	Q					102+45	0.0000	0.00	Q				
97+40	0.0000	0.00	Q					102+50	0.0000	0.00	Q				
97+45	0.0000	0.00	Q					102+55	0.0000	0.00	Q				
97+50	0.0000	0.00	Q					103+ 0	0.0000	0.00	Q				
97+55	0.0000	0.00	Q					103+ 5	0.0000	0.00	Q				
98+ 0	0.0000	0.00	Q					103+10	0.0000	0.00	Q				
98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				

105+15	0.0000	0.00	Q					110+25	0.0000	0.00	Q				
105+20	0.0000	0.00	Q					110+30	0.0000	0.00	Q				
105+25	0.0000	0.00	Q					110+35	0.0000	0.00	Q				
105+30	0.0000	0.00	Q					110+40	0.0000	0.00	Q				
105+35	0.0000	0.00	Q					110+45	0.0000	0.00	Q				
105+40	0.0000	0.00	Q					110+50	0.0000	0.00	Q				
105+45	0.0000	0.00	Q					110+55	0.0000	0.00	Q				
105+50	0.0000	0.00	Q					111+ 0	0.0000	0.00	Q				
105+55	0.0000	0.00	Q					111+ 5	0.0000	0.00	Q				
106+ 0	0.0000	0.00	Q					111+10	0.0000	0.00	Q				
106+ 5	0.0000	0.00	Q					111+15	0.0000	0.00	Q				
106+10	0.0000	0.00	Q					111+20	0.0000	0.00	Q				
106+15	0.0000	0.00	Q					111+25	0.0000	0.00	Q				
106+20	0.0000	0.00	Q					111+30	0.0000	0.00	Q				
106+25	0.0000	0.00	Q					111+35	0.0000	0.00	Q				
106+30	0.0000	0.00	Q					111+40	0.0000	0.00	Q				
106+35	0.0000	0.00	Q					111+45	0.0000	0.00	Q				
106+40	0.0000	0.00	Q					111+50	0.0000	0.00	Q				
106+45	0.0000	0.00	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.00	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.00	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.00	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.00	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.00	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.00	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.00	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.00	Q					112+35	0.0000	0.00	Q				
107+30	0.0000	0.00	Q					112+40	0.0000	0.00	Q				
107+35	0.0000	0.00	Q					112+45	0.0000	0.00	Q				
107+40	0.0000	0.00	Q					112+50	0.0000	0.00	Q				
107+45	0.0000	0.00	Q					112+55	0.0000	0.00	Q				
107+50	0.0000	0.00	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.00	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.00	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.00	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.00	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.00	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.00	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				

115+35	0.0000	0.00	Q					120+45	0.0000	0.00	Q				
115+40	0.0000	0.00	Q					120+50	0.0000	0.00	Q				
115+45	0.0000	0.00	Q					120+55	0.0000	0.00	Q				
115+50	0.0000	0.00	Q					121+ 0	0.0000	0.00	Q				
115+55	0.0000	0.00	Q					121+ 5	0.0000	0.00	Q				
116+ 0	0.0000	0.00	Q					121+10	0.0000	0.00	Q				
116+ 5	0.0000	0.00	Q					121+15	0.0000	0.00	Q				
116+10	0.0000	0.00	Q					121+20	0.0000	0.00	Q				
116+15	0.0000	0.00	Q					121+25	0.0000	0.00	Q				
116+20	0.0000	0.00	Q					121+30	0.0000	0.00	Q				
116+25	0.0000	0.00	Q					121+35	0.0000	0.00	Q				
116+30	0.0000	0.00	Q					121+40	0.0000	0.00	Q				
116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				
116+40	0.0000	0.00	Q					121+50	0.0000	0.00	Q				
116+45	0.0000	0.00	Q					121+55	0.0000	0.00	Q				
116+50	0.0000	0.00	Q					122+ 0	0.0000	0.00	Q				
116+55	0.0000	0.00	Q					122+ 5	0.0000	0.00	Q				
117+ 0	0.0000	0.00	Q					122+10	0.0000	0.00	Q				
117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				
117+50	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
117+55	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				

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125+55       0.0000      0.00  Q         |         |         |         |
126+ 0       0.0000      0.00  Q         |         |         |         |
126+ 5       0.0000      0.00  Q         |         |         |         |
126+10       0.0000      0.00  Q         |         |         |         |
126+15       0.0000      0.00  Q         |         |         |         |
126+20       0.0000      0.00  Q         |         |         |         |
126+25       0.0000      0.00  Q         |         |         |         |
126+30       0.0000      0.00  Q         |         |         |         |
126+35       0.0000      0.00  Q         |         |         |         |
126+40       0.0000      0.00  Q         |         |         |         |
126+45       0.0000      0.00  Q         |         |         |         |
126+50       0.0000      0.00  Q         |         |         |         |
126+55       0.0000      0.00  Q         |         |         |         |
127+ 0       0.0000      0.00  Q         |         |         |         |
127+ 5       0.0000      0.00  Q         |         |         |         |
127+10       0.0000      0.00  Q         |         |         |         |
127+15       0.0000      0.00  Q         |         |         |         |
127+20       0.0000      0.00  Q         |         |         |         |
127+25       0.0000      0.00  Q         |         |         |         |
127+30       0.0000      0.00  Q         |         |         |         |
127+35       0.0000      0.00  Q         |         |         |         |
127+40       0.0000      0.00  Q         |         |         |         |
127+45       0.0000      0.00  Q         |         |         |         |
127+50       0.0000      0.00  Q         |         |         |         |
127+55       0.0000      0.00  Q         |         |         |         |
128+ 0       0.0000      0.00  Q         |         |         |         |
128+ 5       0.0000      0.00  Q         |         |         |         |
128+10       0.0000      0.00  Q         |         |         |         |
128+15       0.0000      0.00  Q         |         |         |         |
128+20       0.0000      0.00  Q         |         |         |         |
128+25       0.0000      0.00  Q         |         |         |         |
128+30       0.0000      0.00  Q         |         |         |         |
128+35       0.0000      0.00  Q         |         |         |         |
128+40       0.0000      0.00  Q         |         |         |         |
128+45       0.0000      0.00  Q         |         |         |         |
128+50       0.0000      0.00  Q         |         |         |         |
128+55       0.0000      0.00  Q         |         |         |         |
129+ 0       0.0000      0.00  Q         |         |         |         |
129+ 5       0.0000      0.00  Q         |         |         |         |
129+10       0.0000      0.00  Q         |         |         |         |
129+15       0.0000      0.00  Q         |         |         |         |
129+20       0.0000      0.00  Q         |         |         |         |
129+25       0.0000      0.00  Q         |         |         |         |
129+30       0.0000      0.00  Q         |         |         |         |
129+35       0.0000      0.00  Q         |         |         |         |
129+40       0.0000      0.00  Q         |         |         |         |
129+45       0.0000      0.00  Q         |         |         |         |
129+50       0.0000      0.00  Q         |         |         |         |
129+55       0.0000      0.00  Q         |         |         |         |
130+ 0       0.0000      0.00  Q         |         |         |         |
130+ 5       0.0000      0.00  Q         |         |         |         |
130+10       0.0000      0.00  Q         |         |         |         |
130+15       0.0000      0.00  Q         |         |         |         |
130+20       0.0000      0.00  Q         |         |         |         |
130+25       0.0000      0.00  Q         |         |         |         |
130+30       0.0000      0.00  Q         |         |         |         |
130+35       0.0000      0.00  Q         |         |         |         |
130+40       0.0000      0.00  Q         |         |         |         |
130+45       0.0000      0.00  Q         |         |         |         |
130+50       0.0000      0.00  Q         |         |         |         |
130+55       0.0000      0.00  Q         |         |         |         |
131+ 0       0.0000      0.00  Q         |         |         |         |
131+ 5       0.0000      0.00  Q         |         |         |         |
131+10       0.0000      0.00  Q         |         |         |         |
131+15       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------

        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1575
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      287.291 (CFS)
                    Total volume =      43.007 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.700 to Point/Station        5.700
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ________________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 3 with
        a starting time of   0.00 hours and ending time of  25.00 hours
        With a total volume of      43.01(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000   287.291     0.000     0.000
            Vol (Ac.Ft)     0.000     0.000    43.007     0.000     0.000
        ************************************************************************

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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.400 to Point/Station        5.500
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP5B1003100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
        Time(h+m) Add q(CFS)  Tot. Q   0       41.9      83.9     125.8     167.7
        ------------------------------------------------------------------------
          0+ 5       1.4265      1.43  Q         |         |         |         |
          0+10       9.6227      9.62  | Q       |         |         |         |
          0+15      17.1487     17.15  |   Q     |         |         |         |
          0+20      18.8771     18.88  |   Q     |         |         |         |
          0+25      22.3378     22.34  |    Q    |         |         |         |
          0+30      26.4764     26.48  |     Q   |         |         |         |
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0+35      29.9929     29.99  |      Q  |         |         |         |
0+40      31.0113     31.01  |      Q  |         |         |         |
0+45      32.4680     32.47  |      Q  |         |         |         |
0+50      34.3924     34.39  |       Q |         |         |         |
0+55      32.7470     32.75  |      Q  |         |         |         |
1+ 0      31.8478     31.85  |      Q  |         |         |         |
1+ 5      34.3582     34.36  |       Q |         |         |         |
1+10      39.4457     39.45  |        Q|         |         |         |
1+15      43.3154     43.32  |         Q         |         |         |
1+20      44.5507     44.55  |         Q         |         |         |
1+25      44.6325     44.63  |         Q         |         |         |
1+30      48.8557     48.86  |         |Q        |         |         |
1+35      53.8905     53.89  |         | Q       |         |         |
1+40      54.1382     54.14  |         | Q       |         |         |
1+45      56.3838     56.38  |         |  Q      |         |         |
1+50      63.6372     63.64  |         |    Q    |         |         |
1+55      67.3814     67.38  |         |     Q   |         |         |
2+ 0      66.3247     66.32  |         |    Q    |         |         |
2+ 5      66.3462     66.35  |         |    Q    |         |         |
2+10      69.5366     69.54  |         |     Q   |         |         |
2+15      81.2969     81.30  |         |        Q|         |         |
2+20      95.4627     95.46  |         |         | Q       |         |
2+25      97.6300     97.63  |         |         |  Q      |         |
2+30     119.1784    119.18  |         |         |       Q |         |
2+35     150.3890    150.39  |         |         |         |    Q    |
2+40     167.7380    167.74  |         |         |         |         Q
2+45     155.6562    155.66  |         |         |         |      Q  |
2+50     108.7620    108.76  |         |         |    Q    |         |
2+55      71.2901     71.29  |         |      Q  |         |         |
3+ 0      53.8650     53.86  |         | Q       |         |         |
3+ 5      34.7822     34.78  |       Q |         |         |         |
3+10      17.6568     17.66  |   Q     |         |         |         |
3+15       9.2315      9.23  | Q       |         |         |         |
3+20       5.3351      5.34  |Q        |         |         |         |
3+25       2.9038      2.90  Q         |         |         |         |
3+30       1.3938      1.39  Q         |         |         |         |
3+35       0.6568      0.66  Q         |         |         |         |
3+40       0.3412      0.34  Q         |         |         |         |
3+45       0.1699      0.17  Q         |         |         |         |
3+50       0.0570      0.06  Q         |         |         |         |
3+55       0.0078      0.01  Q         |         |         |         |
```

```
      **************************HYDROGRAPH DATA**************************
                  Number of intervals =    47
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =      167.738 (CFS)
                  Total volume =      15.254 (Ac.Ft)
            Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000   287.291     0.000     0.000
            Vol (Ac.Ft)     0.000     0.000    43.007     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       5.400 to Point/Station       5.500
      **** RETARDING BASIN ROUTING ****
      _____________________________________________________________________

      User entry of depth-outflow-storage data
```

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      ---------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 47
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
            (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
      ---------------------------------------------------------------------
        0.000      0.000      0.000      0.000      0.000
        1.000      0.279      0.400      0.278      0.280
        3.000      0.967      0.720      0.965      0.969
        5.000      1.839      0.930      1.836      1.842
        7.000      2.907      1.110      2.903      2.911
        9.000      4.184      1.250      4.180      4.188
       11.000      5.689      1.390      5.684      5.694
       12.000      6.528      1.450      6.523      6.533
       13.000      7.427      1.510      7.422      7.432
       14.000      8.387      1.570      8.382      8.392
       15.000      9.413      1.620      9.407      9.419
       16.000     10.507      6.350     10.485     10.529
       17.000     11.669      8.760     11.639     11.699
       18.000     12.901     10.550     12.865     12.937
       19.000     14.204     12.050     14.163     14.245
       20.000     15.581     13.370     15.535     15.627
       21.000     17.033     24.990     16.947     17.119
       22.000     18.563     33.620     18.447     18.679
       23.000     20.173     39.840     20.036     20.310
       24.000     21.866    106.820     21.498     22.234
      ---------------------------------------------------------------------
                      Hydrograph Detention Basin Routing
      ---------------------------------------------------------------------

      Graph values: 'I'= unit inflow; 'O'=outflow at time shown
      ---------------------------------------------------------------------
       Time   Inflow  Outflow    Storage                                    Depth
      (Hours)  (CFS)   (CFS)     (Ac.Ft) .0      41.9   83.87  125.80  167.74 (Ft.)
      0.083     1.43    0.01      0.005  O       |       |       |       |     0.02
      0.167     9.62    0.06      0.043  OI      |       |       |       |     0.15
      0.250    17.15    0.19      0.134  O  I    |       |       |       |     0.48
      0.333    18.88    0.37      0.256  O  I    |       |       |       |     0.92
      0.417    22.34    0.45      0.395  O   I   |       |       |       |     1.34
      0.500    26.48    0.53      0.560  O    I  |       |       |       |     1.82
      0.583    29.99    0.62      0.750  O    I  |       |       |       |     2.37
      0.667    31.01    0.71      0.956  O    I  |       |       |       |     2.97
      0.750    32.47    0.77      1.169  O     I |       |       |       |     3.46
      0.833    34.39    0.82      1.394  O     I |       |       |       |     3.98
      0.917    32.75    0.88      1.619  O     I |       |       |       |     4.50
      1.000    31.85    0.93      1.836  O     I |       |       |       |     4.99
      1.083    34.36    0.97      2.057  O     I |       |       |       |     5.41
      1.167    39.45    1.01      2.305  O      I|       |       |       |     5.87
      1.250    43.32    1.06      2.582  O       I       |       |       |     6.39
      1.333    44.55    1.11      2.878  O       I       |       |       |     6.94
      1.417    44.63    1.14      3.177  O       I       |       |       |     7.42
      1.500    48.86    1.17      3.491  O       |I      |       |       |     7.91
      1.583    53.89    1.21      3.836  O       | I     |       |       |     8.46
```

1.667	54.14	1.25	4.200	O	I				9.02	6.833	0.00	8.19	11.396	IO					16.76
1.750	56.38	1.29	4.572	O	I				9.52	6.917	0.00	8.08	11.340	IO					16.72
1.833	63.64	1.32	4.976	O	I				10.05	7.000	0.00	7.96	11.284	IO					16.67
1.917	67.38	1.36	5.418	O	I				10.64	7.083	0.00	7.85	11.230	IO					16.62
2.000	66.32	1.40	5.869	O	I				11.21	7.167	0.00	7.74	11.176	IO					16.58
2.083	66.35	1.43	6.316	O	I				11.75	7.250	0.00	7.63	11.123	IO					16.53
2.167	69.54	1.47	6.774	O	I				12.27	7.333	0.00	7.52	11.071	IO					16.49
2.250	81.30	1.50	7.283	O	I				12.84	7.417	0.00	7.41	11.020	IO					16.44
2.333	95.46	1.54	7.881	O	I				13.47	7.500	0.00	7.31	10.969	IO					16.40
2.417	97.63	1.58	8.536	O	I				14.14	7.583	0.00	7.20	10.919	IO					16.35
2.500	119.18	1.61	9.271	O	I				14.86	7.667	0.00	7.10	10.870	IO					16.31
2.583	150.39	4.92	10.177	O	I				15.70	7.750	0.00	7.00	10.821	IO					16.27
2.667	167.74	7.85	11.228	IO	I				16.62	7.833	0.00	6.90	10.773	IO					16.23
2.750	155.66	9.65	12.282	IO	I				17.50	7.917	0.00	6.80	10.726	IO					16.19
2.833	108.76	10.80	13.122	I O	I				18.17	8.000	0.00	6.71	10.680	IO					16.15
2.917	71.29	11.43	13.665	I O	I				18.59	8.083	0.00	6.61	10.634	IO					16.11
3.000	53.86	11.83	14.016	I O	I				18.86	8.167	0.00	6.52	10.588	IO					16.07
3.083	34.78	12.08	14.239	I O	I				19.03	8.250	0.00	6.43	10.544	IO					16.03
3.167	17.66	12.18	14.336	I OI					19.10	8.333	0.00	6.32	10.500	IO					15.99
3.250	9.23	12.18	14.345	IIO					19.10	8.417	0.00	6.13	10.457	IO					15.95
3.333	5.34	12.15	14.311	IIO					19.08	8.500	0.00	5.95	10.416	IO					15.92
3.417	2.90	12.10	14.256	I O					19.04	8.583	0.00	5.78	10.375	IO					15.88
3.500	1.39	12.03	14.188	I O					18.99	8.667	0.00	5.61	10.336	IO					15.84
3.583	0.66	11.94	14.112	I O					18.93	8.750	0.00	5.45	10.298	IO					15.81
3.667	0.34	11.85	14.034	I O					18.87	8.833	0.00	5.29	10.261	IO					15.78
3.750	0.17	11.76	13.954	I O					18.81	8.917	0.00	5.13	10.225	O					15.74
3.833	0.06	11.67	13.874	I O					18.75	9.000	0.00	4.98	10.190	O					15.71
3.917	0.01	11.58	13.794	I O					18.69	9.083	0.00	4.83	10.156	O					15.68
4.000	0.00	11.49	13.715	I O					18.62	9.167	0.00	4.69	10.124	O					15.65
4.083	0.00	11.40	13.636	I O					18.56	9.250	0.00	4.55	10.092	O					15.62
4.167	0.00	11.31	13.558	I O					18.50	9.333	0.00	4.42	10.061	O					15.59
4.250	0.00	11.22	13.480	I O					18.44	9.417	0.00	4.29	10.031	O					15.56
4.333	0.00	11.13	13.404	I O					18.39	9.500	0.00	4.17	10.002	O					15.54
4.417	0.00	11.04	13.327	I O					18.33	9.583	0.00	4.04	9.973	O					15.51
4.500	0.00	10.95	13.251	I O					18.27	9.667	0.00	3.92	9.946	O					15.49
4.583	0.00	10.87	13.176	I O					18.21	9.750	0.00	3.81	9.919	O					15.46
4.667	0.00	10.78	13.102	I O					18.15	9.833	0.00	3.70	9.894	O					15.44
4.750	0.00	10.70	13.028	I O					18.10	9.917	0.00	3.59	9.868	O					15.42
4.833	0.00	10.61	12.954	I O					18.04	10.000	0.00	3.48	9.844	O					15.39
4.917	0.00	10.52	12.882	I O					17.98	10.083	0.00	3.38	9.820	O					15.37
5.000	0.00	10.42	12.810	IO					17.93	10.167	0.00	3.28	9.797	O					15.35
5.083	0.00	10.31	12.738	IO					17.87	10.250	0.00	3.19	9.775	O					15.33
5.167	0.00	10.21	12.667	IO					17.81	10.333	0.00	3.09	9.754	O					15.31
5.250	0.00	10.11	12.598	IO					17.75	10.417	0.00	3.00	9.733	O					15.29
5.333	0.00	10.01	12.528	IO					17.70	10.500	0.00	2.91	9.712	O					15.27
5.417	0.00	9.91	12.460	IO					17.64	10.583	0.00	2.83	9.692	O					15.26
5.500	0.00	9.81	12.392	IO					17.59	10.667	0.00	2.75	9.673	O					15.24
5.583	0.00	9.71	12.325	IO					17.53	10.750	0.00	2.66	9.655	O					15.22
5.667	0.00	9.62	12.258	IO					17.48	10.833	0.00	2.59	9.637	O					15.20
5.750	0.00	9.52	12.192	IO					17.42	10.917	0.00	2.51	9.619	O					15.19
5.833	0.00	9.43	12.127	IO					17.37	11.000	0.00	2.44	9.602	O					15.17
5.917	0.00	9.33	12.062	IO					17.32	11.083	0.00	2.37	9.585	O					15.16
6.000	0.00	9.24	11.998	IO					17.27	11.167	0.00	2.30	9.569	O					15.14
6.083	0.00	9.15	11.935	IO					17.22	11.250	0.00	2.23	9.554	O					15.13
6.167	0.00	9.06	11.872	IO					17.17	11.333	0.00	2.16	9.539	O					15.11
6.250	0.00	8.97	11.810	IO					17.11	11.417	0.00	2.10	9.524	O					15.10
6.333	0.00	8.88	11.749	IO					17.06	11.500	0.00	2.04	9.510	O					15.09
6.417	0.00	8.79	11.688	IO					17.02	11.583	0.00	1.98	9.496	O					15.08
6.500	0.00	8.67	11.628	IO					16.96	11.667	0.00	1.92	9.482	O					15.06
6.583	0.00	8.55	11.569	IO					16.91	11.750	0.00	1.86	9.469	O					15.05
6.667	0.00	8.43	11.510	IO					16.86	11.833	0.00	1.81	9.457	O					15.04
6.750	0.00	8.31	11.452	IO					16.81	11.917	0.00	1.76	9.445	O					15.03

12.000	0.00	1.70	9.433	O					15.02	17.167	0.00	1.59	8.747	O					14.35
12.083	0.00	1.65	9.421	O					15.01	17.250	0.00	1.59	8.736	O					14.34
12.167	0.00	1.62	9.410	O					15.00	17.333	0.00	1.59	8.725	O					14.33
12.250	0.00	1.62	9.399	O					14.99	17.417	0.00	1.59	8.714	O					14.32
12.333	0.00	1.62	9.387	O					14.98	17.500	0.00	1.59	8.703	O					14.31
12.417	0.00	1.62	9.376	O					14.96	17.583	0.00	1.58	8.692	O					14.30
12.500	0.00	1.62	9.365	O					14.95	17.667	0.00	1.58	8.682	O					14.29
12.583	0.00	1.62	9.354	O					14.94	17.750	0.00	1.58	8.671	O					14.28
12.667	0.00	1.62	9.343	O					14.93	17.833	0.00	1.58	8.660	O					14.27
12.750	0.00	1.62	9.332	O					14.92	17.917	0.00	1.58	8.649	O					14.26
12.833	0.00	1.62	9.321	O					14.91	18.000	0.00	1.58	8.638	O					14.24
12.917	0.00	1.61	9.310	O					14.90	18.083	0.00	1.58	8.627	O					14.23
13.000	0.00	1.61	9.298	O					14.89	18.167	0.00	1.58	8.616	O					14.22
13.083	0.00	1.61	9.287	O					14.88	18.250	0.00	1.58	8.605	O					14.21
13.167	0.00	1.61	9.276	O					14.87	18.333	0.00	1.58	8.594	O					14.20
13.250	0.00	1.61	9.265	O					14.86	18.417	0.00	1.58	8.584	O					14.19
13.333	0.00	1.61	9.254	O					14.84	18.500	0.00	1.58	8.573	O					14.18
13.417	0.00	1.61	9.243	O					14.83	18.583	0.00	1.58	8.562	O					14.17
13.500	0.00	1.61	9.232	O					14.82	18.667	0.00	1.58	8.551	O					14.16
13.583	0.00	1.61	9.221	O					14.81	18.750	0.00	1.58	8.540	O					14.15
13.667	0.00	1.61	9.210	O					14.80	18.833	0.00	1.58	8.529	O					14.14
13.750	0.00	1.61	9.198	O					14.79	18.917	0.00	1.58	8.518	O					14.13
13.833	0.00	1.61	9.187	O					14.78	19.000	0.00	1.58	8.507	O					14.12
13.917	0.00	1.61	9.176	O					14.77	19.083	0.00	1.58	8.497	O					14.11
14.000	0.00	1.61	9.165	O					14.76	19.167	0.00	1.57	8.486	O					14.10
14.083	0.00	1.61	9.154	O					14.75	19.250	0.00	1.57	8.475	O					14.09
14.167	0.00	1.61	9.143	O					14.74	19.333	0.00	1.57	8.464	O					14.08
14.250	0.00	1.61	9.132	O					14.73	19.417	0.00	1.57	8.453	O					14.06
14.333	0.00	1.61	9.121	O					14.72	19.500	0.00	1.57	8.442	O					14.05
14.417	0.00	1.61	9.110	O					14.70	19.583	0.00	1.57	8.432	O					14.04
14.500	0.00	1.60	9.099	O					14.69	19.667	0.00	1.57	8.421	O					14.03
14.583	0.00	1.60	9.088	O					14.68	19.750	0.00	1.57	8.410	O					14.02
14.667	0.00	1.60	9.077	O					14.67	19.833	0.00	1.57	8.399	O					14.01
14.750	0.00	1.60	9.066	O					14.66	19.917	0.00	1.57	8.388	O					14.00
14.833	0.00	1.60	9.055	O					14.65	20.000	0.00	1.57	8.377	O					13.99
14.917	0.00	1.60	9.044	O					14.64	20.083	0.00	1.57	8.367	O					13.98
15.000	0.00	1.60	9.033	O					14.63	20.167	0.00	1.57	8.356	O					13.97
15.083	0.00	1.60	9.022	O					14.62	20.250	0.00	1.57	8.345	O					13.96
15.167	0.00	1.60	9.011	O					14.61	20.333	0.00	1.57	8.334	O					13.95
15.250	0.00	1.60	9.000	O					14.60	20.417	0.00	1.57	8.323	O					13.93
15.333	0.00	1.60	8.989	O					14.59	20.500	0.00	1.57	8.313	O					13.92
15.417	0.00	1.60	8.978	O					14.58	20.583	0.00	1.56	8.302	O					13.91
15.500	0.00	1.60	8.967	O					14.56	20.667	0.00	1.56	8.291	O					13.90
15.583	0.00	1.60	8.955	O					14.55	20.750	0.00	1.56	8.280	O					13.89
15.667	0.00	1.60	8.944	O					14.54	20.833	0.00	1.56	8.270	O					13.88
15.750	0.00	1.60	8.933	O					14.53	20.917	0.00	1.56	8.259	O					13.87
15.833	0.00	1.60	8.923	O					14.52	21.000	0.00	1.56	8.248	O					13.86
15.917	0.00	1.60	8.912	O					14.51	21.083	0.00	1.56	8.237	O					13.84
16.000	0.00	1.60	8.901	O					14.50	21.167	0.00	1.56	8.227	O					13.83
16.083	0.00	1.59	8.890	O					14.49	21.250	0.00	1.56	8.216	O					13.82
16.167	0.00	1.59	8.879	O					14.48	21.333	0.00	1.56	8.205	O					13.81
16.250	0.00	1.59	8.868	O					14.47	21.417	0.00	1.56	8.194	O					13.80
16.333	0.00	1.59	8.857	O					14.46	21.500	0.00	1.56	8.184	O					13.79
16.417	0.00	1.59	8.846	O					14.45	21.583	0.00	1.56	8.173	O					13.78
16.500	0.00	1.59	8.835	O					14.44	21.667	0.00	1.56	8.162	O					13.77
16.583	0.00	1.59	8.824	O					14.43	21.750	0.00	1.56	8.152	O					13.75
16.667	0.00	1.59	8.813	O					14.41	21.833	0.00	1.55	8.141	O					13.74
16.750	0.00	1.59	8.802	O					14.40	21.917	0.00	1.55	8.130	O					13.73
16.833	0.00	1.59	8.791	O					14.39	22.000	0.00	1.55	8.119	O					13.72
16.917	0.00	1.59	8.780	O					14.38	22.083	0.00	1.55	8.109	O					13.71
17.000	0.00	1.59	8.769	O					14.37	22.167	0.00	1.55	8.098	O					13.70
17.083	0.00	1.59	8.758	O					14.36	22.250	0.00	1.55	8.087	O					13.69

22.333	0.00	1.55	8.077	O					13.68	27.500	0.00	1.51	7.423	O					13.00
22.417	0.00	1.55	8.066	O					13.67	27.583	0.00	1.51	7.413	O					12.98
22.500	0.00	1.55	8.055	O					13.65	27.667	0.00	1.51	7.403	O					12.97
22.583	0.00	1.55	8.045	O					13.64	27.750	0.00	1.51	7.392	O					12.96
22.667	0.00	1.55	8.034	O					13.63	27.833	0.00	1.51	7.382	O					12.95
22.750	0.00	1.55	8.023	O					13.62	27.917	0.00	1.51	7.371	O					12.94
22.833	0.00	1.55	8.013	O					13.61	28.000	0.00	1.51	7.361	O					12.93
22.917	0.00	1.55	8.002	O					13.60	28.083	0.00	1.50	7.351	O					12.92
23.000	0.00	1.55	7.991	O					13.59	28.167	0.00	1.50	7.340	O					12.90
23.083	0.00	1.54	7.981	O					13.58	28.250	0.00	1.50	7.330	O					12.89
23.167	0.00	1.54	7.970	O					13.57	28.333	0.00	1.50	7.320	O					12.88
23.250	0.00	1.54	7.959	O					13.55	28.417	0.00	1.50	7.309	O					12.87
23.333	0.00	1.54	7.949	O					13.54	28.500	0.00	1.50	7.299	O					12.86
23.417	0.00	1.54	7.938	O					13.53	28.583	0.00	1.50	7.289	O					12.85
23.500	0.00	1.54	7.928	O					13.52	28.667	0.00	1.50	7.278	O					12.83
23.583	0.00	1.54	7.917	O					13.51	28.750	0.00	1.50	7.268	O					12.82
23.667	0.00	1.54	7.906	O					13.50	28.833	0.00	1.50	7.258	O					12.81
23.750	0.00	1.54	7.896	O					13.49	28.917	0.00	1.50	7.247	O					12.80
23.833	0.00	1.54	7.885	O					13.48	29.000	0.00	1.50	7.237	O					12.79
23.917	0.00	1.54	7.875	O					13.47	29.083	0.00	1.50	7.227	O					12.78
24.000	0.00	1.54	7.864	O					13.46	29.167	0.00	1.50	7.216	O					12.77
24.083	0.00	1.54	7.853	O					13.44	29.250	0.00	1.50	7.206	O					12.75
24.167	0.00	1.54	7.843	O					13.43	29.333	0.00	1.49	7.196	O					12.74
24.250	0.00	1.54	7.832	O					13.42	29.417	0.00	1.49	7.185	O					12.73
24.333	0.00	1.53	7.822	O					13.41	29.500	0.00	1.49	7.175	O					12.72
24.417	0.00	1.53	7.811	O					13.40	29.583	0.00	1.49	7.165	O					12.71
24.500	0.00	1.53	7.801	O					13.39	29.667	0.00	1.49	7.155	O					12.70
24.583	0.00	1.53	7.790	O					13.38	29.750	0.00	1.49	7.144	O					12.69
24.667	0.00	1.53	7.779	O					13.37	29.833	0.00	1.49	7.134	O					12.67
24.750	0.00	1.53	7.769	O					13.36	29.917	0.00	1.49	7.124	O					12.66
24.833	0.00	1.53	7.758	O					13.35	30.000	0.00	1.49	7.114	O					12.65
24.917	0.00	1.53	7.748	O					13.33	30.083	0.00	1.49	7.103	O					12.64
25.000	0.00	1.53	7.737	O					13.32	30.167	0.00	1.49	7.093	O					12.63
25.083	0.00	1.53	7.727	O					13.31	30.250	0.00	1.49	7.083	O					12.62
25.167	0.00	1.53	7.716	O					13.30	30.333	0.00	1.49	7.073	O					12.61
25.250	0.00	1.53	7.706	O					13.29	30.417	0.00	1.49	7.062	O					12.59
25.333	0.00	1.53	7.695	O					13.28	30.500	0.00	1.48	7.052	O					12.58
25.417	0.00	1.53	7.685	O					13.27	30.583	0.00	1.48	7.042	O					12.57
25.500	0.00	1.53	7.674	O					13.26	30.667	0.00	1.48	7.032	O					12.56
25.583	0.00	1.52	7.664	O					13.25	30.750	0.00	1.48	7.021	O					12.55
25.667	0.00	1.52	7.653	O					13.24	30.833	0.00	1.48	7.011	O					12.54
25.750	0.00	1.52	7.643	O					13.22	30.917	0.00	1.48	7.001	O					12.53
25.833	0.00	1.52	7.632	O					13.21	31.000	0.00	1.48	6.991	O					12.51
25.917	0.00	1.52	7.622	O					13.20	31.083	0.00	1.48	6.981	O					12.50
26.000	0.00	1.52	7.611	O					13.19	31.167	0.00	1.48	6.970	O					12.49
26.083	0.00	1.52	7.601	O					13.18	31.250	0.00	1.48	6.960	O					12.48
26.167	0.00	1.52	7.590	O					13.17	31.333	0.00	1.48	6.950	O					12.47
26.250	0.00	1.52	7.580	O					13.16	31.417	0.00	1.48	6.940	O					12.46
26.333	0.00	1.52	7.569	O					13.15	31.500	0.00	1.48	6.930	O					12.45
26.417	0.00	1.52	7.559	O					13.14	31.583	0.00	1.48	6.920	O					12.44
26.500	0.00	1.52	7.548	O					13.13	31.667	0.00	1.48	6.909	O					12.42
26.583	0.00	1.52	7.538	O					13.12	31.750	0.00	1.47	6.899	O					12.41
26.667	0.00	1.52	7.528	O					13.10	31.833	0.00	1.47	6.889	O					12.40
26.750	0.00	1.52	7.517	O					13.09	31.917	0.00	1.47	6.879	O					12.39
26.833	0.00	1.51	7.507	O					13.08	32.000	0.00	1.47	6.869	O					12.38
26.917	0.00	1.51	7.496	O					13.07	32.083	0.00	1.47	6.859	O					12.37
27.000	0.00	1.51	7.486	O					13.06	32.167	0.00	1.47	6.848	O					12.36
27.083	0.00	1.51	7.475	O					13.05	32.250	0.00	1.47	6.838	O					12.35
27.167	0.00	1.51	7.465	O					13.04	32.333	0.00	1.47	6.828	O					12.33
27.250	0.00	1.51	7.455	O					13.03	32.417	0.00	1.47	6.818	O					12.32
27.333	0.00	1.51	7.444	O					13.02	32.500	0.00	1.47	6.808	O					12.31
27.417	0.00	1.51	7.434	O					13.01	32.583	0.00	1.47	6.798	O					12.30

32.667	0.00	1.47	6.788	O	|	|	|	|	12.29	37.833	0.00	1.42	6.170	O	|	|	|	|	11.57
32.750	0.00	1.47	6.778	O	|	|	|	|	12.28	37.917	0.00	1.42	6.160	O	|	|	|	|	11.56
32.833	0.00	1.47	6.768	O	|	|	|	|	12.27	38.000	0.00	1.42	6.151	O	|	|	|	|	11.55
32.917	0.00	1.47	6.757	O	|	|	|	|	12.26	38.083	0.00	1.42	6.141	O	|	|	|	|	11.54
33.000	0.00	1.46	6.747	O	|	|	|	|	12.24	38.167	0.00	1.42	6.131	O	|	|	|	|	11.53
33.083	0.00	1.46	6.737	O	|	|	|	|	12.23	38.250	0.00	1.42	6.121	O	|	|	|	|	11.52
33.167	0.00	1.46	6.727	O	|	|	|	|	12.22	38.333	0.00	1.42	6.111	O	|	|	|	|	11.50
33.250	0.00	1.46	6.717	O	|	|	|	|	12.21	38.417	0.00	1.42	6.102	O	|	|	|	|	11.49
33.333	0.00	1.46	6.707	O	|	|	|	|	12.20	38.500	0.00	1.42	6.092	O	|	|	|	|	11.48
33.417	0.00	1.46	6.697	O	|	|	|	|	12.19	38.583	0.00	1.42	6.082	O	|	|	|	|	11.47
33.500	0.00	1.46	6.687	O	|	|	|	|	12.18	38.667	0.00	1.42	6.072	O	|	|	|	|	11.46
33.583	0.00	1.46	6.677	O	|	|	|	|	12.17	38.750	0.00	1.42	6.063	O	|	|	|	|	11.45
33.667	0.00	1.46	6.667	O	|	|	|	|	12.15	38.833	0.00	1.42	6.053	O	|	|	|	|	11.43
33.750	0.00	1.46	6.657	O	|	|	|	|	12.14	38.917	0.00	1.42	6.043	O	|	|	|	|	11.42
33.833	0.00	1.46	6.647	O	|	|	|	|	12.13	39.000	0.00	1.41	6.033	O	|	|	|	|	11.41
33.917	0.00	1.46	6.637	O	|	|	|	|	12.12	39.083	0.00	1.41	6.024	O	|	|	|	|	11.40
34.000	0.00	1.46	6.627	O	|	|	|	|	12.11	39.167	0.00	1.41	6.014	O	|	|	|	|	11.39
34.083	0.00	1.46	6.617	O	|	|	|	|	12.10	39.250	0.00	1.41	6.004	O	|	|	|	|	11.38
34.167	0.00	1.46	6.607	O	|	|	|	|	12.09	39.333	0.00	1.41	5.994	O	|	|	|	|	11.36
34.250	0.00	1.45	6.597	O	|	|	|	|	12.08	39.417	0.00	1.41	5.985	O	|	|	|	|	11.35
34.333	0.00	1.45	6.587	O	|	|	|	|	12.07	39.500	0.00	1.41	5.975	O	|	|	|	|	11.34
34.417	0.00	1.45	6.577	O	|	|	|	|	12.05	39.583	0.00	1.41	5.965	O	|	|	|	|	11.33
34.500	0.00	1.45	6.567	O	|	|	|	|	12.04	39.667	0.00	1.41	5.956	O	|	|	|	|	11.32
34.583	0.00	1.45	6.557	O	|	|	|	|	12.03	39.750	0.00	1.41	5.946	O	|	|	|	|	11.31
34.667	0.00	1.45	6.547	O	|	|	|	|	12.02	39.833	0.00	1.41	5.936	O	|	|	|	|	11.29
34.750	0.00	1.45	6.537	O	|	|	|	|	12.01	39.917	0.00	1.41	5.926	O	|	|	|	|	11.28
34.833	0.00	1.45	6.527	O	|	|	|	|	12.00	40.000	0.00	1.41	5.917	O	|	|	|	|	11.27
34.917	0.00	1.45	6.517	O	|	|	|	|	11.99	40.083	0.00	1.41	5.907	O	|	|	|	|	11.26
35.000	0.00	1.45	6.507	O	|	|	|	|	11.97	40.167	0.00	1.40	5.897	O	|	|	|	|	11.25
35.083	0.00	1.45	6.497	O	|	|	|	|	11.96	40.250	0.00	1.40	5.888	O	|	|	|	|	11.24
35.167	0.00	1.45	6.487	O	|	|	|	|	11.95	40.333	0.00	1.40	5.878	O	|	|	|	|	11.23
35.250	0.00	1.45	6.477	O	|	|	|	|	11.94	40.417	0.00	1.40	5.868	O	|	|	|	|	11.21
35.333	0.00	1.45	6.467	O	|	|	|	|	11.93	40.500	0.00	1.40	5.859	O	|	|	|	|	11.20
35.417	0.00	1.44	6.457	O	|	|	|	|	11.92	40.583	0.00	1.40	5.849	O	|	|	|	|	11.19
35.500	0.00	1.44	6.447	O	|	|	|	|	11.90	40.667	0.00	1.40	5.839	O	|	|	|	|	11.18
35.583	0.00	1.44	6.437	O	|	|	|	|	11.89	40.750	0.00	1.40	5.830	O	|	|	|	|	11.17
35.667	0.00	1.44	6.427	O	|	|	|	|	11.88	40.833	0.00	1.40	5.820	O	|	|	|	|	11.16
35.750	0.00	1.44	6.417	O	|	|	|	|	11.87	40.917	0.00	1.40	5.811	O	|	|	|	|	11.14
35.833	0.00	1.44	6.407	O	|	|	|	|	11.86	41.000	0.00	1.40	5.801	O	|	|	|	|	11.13
35.917	0.00	1.44	6.397	O	|	|	|	|	11.84	41.083	0.00	1.40	5.791	O	|	|	|	|	11.12
36.000	0.00	1.44	6.387	O	|	|	|	|	11.83	41.167	0.00	1.40	5.782	O	|	|	|	|	11.11
36.083	0.00	1.44	6.377	O	|	|	|	|	11.82	41.250	0.00	1.40	5.772	O	|	|	|	|	11.10
36.167	0.00	1.44	6.367	O	|	|	|	|	11.81	41.333	0.00	1.40	5.762	O	|	|	|	|	11.09
36.250	0.00	1.44	6.358	O	|	|	|	|	11.80	41.417	0.00	1.39	5.753	O	|	|	|	|	11.08
36.333	0.00	1.44	6.348	O	|	|	|	|	11.78	41.500	0.00	1.39	5.743	O	|	|	|	|	11.06
36.417	0.00	1.44	6.338	O	|	|	|	|	11.77	41.583	0.00	1.39	5.734	O	|	|	|	|	11.05
36.500	0.00	1.44	6.328	O	|	|	|	|	11.76	41.667	0.00	1.39	5.724	O	|	|	|	|	11.04
36.583	0.00	1.43	6.318	O	|	|	|	|	11.75	41.750	0.00	1.39	5.714	O	|	|	|	|	11.03
36.667	0.00	1.43	6.308	O	|	|	|	|	11.74	41.833	0.00	1.39	5.705	O	|	|	|	|	11.02
36.750	0.00	1.43	6.298	O	|	|	|	|	11.73	41.917	0.00	1.39	5.695	O	|	|	|	|	11.01
36.833	0.00	1.43	6.288	O	|	|	|	|	11.71	42.000	0.00	1.39	5.686	O	|	|	|	|	11.00
36.917	0.00	1.43	6.278	O	|	|	|	|	11.70	42.083	0.00	1.39	5.676	O	|	|	|	|	10.98
37.000	0.00	1.43	6.269	O	|	|	|	|	11.69	42.167	0.00	1.39	5.667	O	|	|	|	|	10.97
37.083	0.00	1.43	6.259	O	|	|	|	|	11.68	42.250	0.00	1.39	5.657	O	|	|	|	|	10.96
37.167	0.00	1.43	6.249	O	|	|	|	|	11.67	42.333	0.00	1.39	5.648	O	|	|	|	|	10.94
37.250	0.00	1.43	6.239	O	|	|	|	|	11.66	42.417	0.00	1.39	5.638	O	|	|	|	|	10.93
37.333	0.00	1.43	6.229	O	|	|	|	|	11.64	42.500	0.00	1.38	5.628	O	|	|	|	|	10.92
37.417	0.00	1.43	6.219	O	|	|	|	|	11.63	42.583	0.00	1.38	5.619	O	|	|	|	|	10.91
37.500	0.00	1.43	6.210	O	|	|	|	|	11.62	42.667	0.00	1.38	5.609	O	|	|	|	|	10.89
37.583	0.00	1.43	6.200	O	|	|	|	|	11.61	42.750	0.00	1.38	5.600	O	|	|	|	|	10.88
37.667	0.00	1.43	6.190	O	|	|	|	|	11.60	42.833	0.00	1.38	5.590	O	|	|	|	|	10.87
37.750	0.00	1.43	6.180	O	|	|	|	|	11.59	42.917	0.00	1.38	5.581	O	|	|	|	|	10.86

43.000	0.00	1.38	5.571	O	|	|	|	|	10.84	48.167	0.00	1.33	4.994	O	|	|	|	|	10.08
43.083	0.00	1.38	5.562	O	|	|	|	|	10.83	48.250	0.00	1.32	4.985	O	|	|	|	|	10.06
43.167	0.00	1.38	5.552	O	|	|	|	|	10.82	48.333	0.00	1.32	4.976	O	|	|	|	|	10.05
43.250	0.00	1.38	5.543	O	|	|	|	|	10.81	48.417	0.00	1.32	4.967	O	|	|	|	|	10.04
43.333	0.00	1.38	5.533	O	|	|	|	|	10.79	48.500	0.00	1.32	4.958	O	|	|	|	|	10.03
43.417	0.00	1.37	5.524	O	|	|	|	|	10.78	48.583	0.00	1.32	4.948	O	|	|	|	|	10.02
43.500	0.00	1.37	5.514	O	|	|	|	|	10.77	48.667	0.00	1.32	4.939	O	|	|	|	|	10.00
43.583	0.00	1.37	5.505	O	|	|	|	|	10.76	48.750	0.00	1.32	4.930	O	|	|	|	|	9.99
43.667	0.00	1.37	5.496	O	|	|	|	|	10.74	48.833	0.00	1.32	4.921	O	|	|	|	|	9.98
43.750	0.00	1.37	5.486	O	|	|	|	|	10.73	48.917	0.00	1.32	4.912	O	|	|	|	|	9.97
43.833	0.00	1.37	5.477	O	|	|	|	|	10.72	49.000	0.00	1.32	4.903	O	|	|	|	|	9.96
43.917	0.00	1.37	5.467	O	|	|	|	|	10.71	49.083	0.00	1.32	4.894	O	|	|	|	|	9.94
44.000	0.00	1.37	5.458	O	|	|	|	|	10.69	49.167	0.00	1.32	4.885	O	|	|	|	|	9.93
44.083	0.00	1.37	5.448	O	|	|	|	|	10.68	49.250	0.00	1.31	4.876	O	|	|	|	|	9.92
44.167	0.00	1.37	5.439	O	|	|	|	|	10.67	49.333	0.00	1.31	4.867	O	|	|	|	|	9.91
44.250	0.00	1.37	5.430	O	|	|	|	|	10.66	49.417	0.00	1.31	4.858	O	|	|	|	|	9.90
44.333	0.00	1.36	5.420	O	|	|	|	|	10.64	49.500	0.00	1.31	4.849	O	|	|	|	|	9.88
44.417	0.00	1.36	5.411	O	|	|	|	|	10.63	49.583	0.00	1.31	4.840	O	|	|	|	|	9.87
44.500	0.00	1.36	5.401	O	|	|	|	|	10.62	49.667	0.00	1.31	4.831	O	|	|	|	|	9.86
44.583	0.00	1.36	5.392	O	|	|	|	|	10.61	49.750	0.00	1.31	4.822	O	|	|	|	|	9.85
44.667	0.00	1.36	5.383	O	|	|	|	|	10.59	49.833	0.00	1.31	4.813	O	|	|	|	|	9.84
44.750	0.00	1.36	5.373	O	|	|	|	|	10.58	49.917	0.00	1.31	4.804	O	|	|	|	|	9.82
44.833	0.00	1.36	5.364	O	|	|	|	|	10.57	50.000	0.00	1.31	4.795	O	|	|	|	|	9.81
44.917	0.00	1.36	5.354	O	|	|	|	|	10.56	50.083	0.00	1.31	4.786	O	|	|	|	|	9.80
45.000	0.00	1.36	5.345	O	|	|	|	|	10.54	50.167	0.00	1.31	4.777	O	|	|	|	|	9.79
45.083	0.00	1.36	5.336	O	|	|	|	|	10.53	50.250	0.00	1.30	4.768	O	|	|	|	|	9.78
45.167	0.00	1.36	5.326	O	|	|	|	|	10.52	50.333	0.00	1.30	4.759	O	|	|	|	|	9.76
45.250	0.00	1.36	5.317	O	|	|	|	|	10.51	50.417	0.00	1.30	4.750	O	|	|	|	|	9.75
45.333	0.00	1.35	5.308	O	|	|	|	|	10.49	50.500	0.00	1.30	4.741	O	|	|	|	|	9.74
45.417	0.00	1.35	5.298	O	|	|	|	|	10.48	50.583	0.00	1.30	4.732	O	|	|	|	|	9.73
45.500	0.00	1.35	5.289	O	|	|	|	|	10.47	50.667	0.00	1.30	4.723	O	|	|	|	|	9.72
45.583	0.00	1.35	5.280	O	|	|	|	|	10.46	50.750	0.00	1.30	4.714	O	|	|	|	|	9.70
45.667	0.00	1.35	5.270	O	|	|	|	|	10.44	50.833	0.00	1.30	4.705	O	|	|	|	|	9.69
45.750	0.00	1.35	5.261	O	|	|	|	|	10.43	50.917	0.00	1.30	4.696	O	|	|	|	|	9.68
45.833	0.00	1.35	5.252	O	|	|	|	|	10.42	51.000	0.00	1.30	4.687	O	|	|	|	|	9.67
45.917	0.00	1.35	5.243	O	|	|	|	|	10.41	51.083	0.00	1.30	4.678	O	|	|	|	|	9.66
46.000	0.00	1.35	5.233	O	|	|	|	|	10.39	51.167	0.00	1.30	4.669	O	|	|	|	|	9.64
46.083	0.00	1.35	5.224	O	|	|	|	|	10.38	51.250	0.00	1.29	4.660	O	|	|	|	|	9.63
46.167	0.00	1.35	5.215	O	|	|	|	|	10.37	51.333	0.00	1.29	4.651	O	|	|	|	|	9.62
46.250	0.00	1.35	5.206	O	|	|	|	|	10.36	51.417	0.00	1.29	4.642	O	|	|	|	|	9.61
46.333	0.00	1.34	5.196	O	|	|	|	|	10.35	51.500	0.00	1.29	4.634	O	|	|	|	|	9.60
46.417	0.00	1.34	5.187	O	|	|	|	|	10.33	51.583	0.00	1.29	4.625	O	|	|	|	|	9.59
46.500	0.00	1.34	5.178	O	|	|	|	|	10.32	51.667	0.00	1.29	4.616	O	|	|	|	|	9.57
46.583	0.00	1.34	5.169	O	|	|	|	|	10.31	51.750	0.00	1.29	4.607	O	|	|	|	|	9.56
46.667	0.00	1.34	5.159	O	|	|	|	|	10.30	51.833	0.00	1.29	4.598	O	|	|	|	|	9.55
46.750	0.00	1.34	5.150	O	|	|	|	|	10.28	51.917	0.00	1.29	4.589	O	|	|	|	|	9.54
46.833	0.00	1.34	5.141	O	|	|	|	|	10.27	52.000	0.00	1.29	4.580	O	|	|	|	|	9.53
46.917	0.00	1.34	5.132	O	|	|	|	|	10.26	52.083	0.00	1.29	4.571	O	|	|	|	|	9.51
47.000	0.00	1.34	5.122	O	|	|	|	|	10.25	52.167	0.00	1.29	4.563	O	|	|	|	|	9.50
47.083	0.00	1.34	5.113	O	|	|	|	|	10.23	52.250	0.00	1.28	4.554	O	|	|	|	|	9.49
47.167	0.00	1.34	5.104	O	|	|	|	|	10.22	52.333	0.00	1.28	4.545	O	|	|	|	|	9.48
47.250	0.00	1.33	5.095	O	|	|	|	|	10.21	52.417	0.00	1.28	4.536	O	|	|	|	|	9.47
47.333	0.00	1.33	5.086	O	|	|	|	|	10.20	52.500	0.00	1.28	4.527	O	|	|	|	|	9.46
47.417	0.00	1.33	5.076	O	|	|	|	|	10.19	52.583	0.00	1.28	4.518	O	|	|	|	|	9.44
47.500	0.00	1.33	5.067	O	|	|	|	|	10.17	52.667	0.00	1.28	4.510	O	|	|	|	|	9.43
47.583	0.00	1.33	5.058	O	|	|	|	|	10.16	52.750	0.00	1.28	4.501	O	|	|	|	|	9.42
47.667	0.00	1.33	5.049	O	|	|	|	|	10.15	52.833	0.00	1.28	4.492	O	|	|	|	|	9.41
47.750	0.00	1.33	5.040	O	|	|	|	|	10.14	52.917	0.00	1.28	4.483	O	|	|	|	|	9.40
47.833	0.00	1.33	5.031	O	|	|	|	|	10.13	53.000	0.00	1.28	4.474	O	|	|	|	|	9.39
47.917	0.00	1.33	5.021	O	|	|	|	|	10.11	53.083	0.00	1.28	4.466	O	|	|	|	|	9.37
48.000	0.00	1.33	5.012	O	|	|	|	|	10.10	53.167	0.00	1.28	4.457	O	|	|	|	|	9.36
48.083	0.00	1.33	5.003	O	|	|	|	|	10.09	53.250	0.00	1.27	4.448	O	|	|	|	|	9.35

53.333	0.00	1.27	4.439	O					9.34	58.500	0.00	1.22	3.906	O					8.57
53.417	0.00	1.27	4.430	O					9.33	58.583	0.00	1.22	3.898	O					8.55
53.500	0.00	1.27	4.422	O					9.32	58.667	0.00	1.22	3.890	O					8.54
53.583	0.00	1.27	4.413	O					9.30	58.750	0.00	1.22	3.881	O					8.53
53.667	0.00	1.27	4.404	O					9.29	58.833	0.00	1.22	3.873	O					8.51
53.750	0.00	1.27	4.395	O					9.28	58.917	0.00	1.21	3.865	O					8.50
53.833	0.00	1.27	4.387	O					9.27	59.000	0.00	1.21	3.856	O					8.49
53.917	0.00	1.27	4.378	O					9.26	59.083	0.00	1.21	3.848	O					8.47
54.000	0.00	1.27	4.369	O					9.25	59.167	0.00	1.21	3.839	O					8.46
54.083	0.00	1.27	4.360	O					9.23	59.250	0.00	1.21	3.831	O					8.45
54.167	0.00	1.27	4.352	O					9.22	59.333	0.00	1.21	3.823	O					8.43
54.250	0.00	1.26	4.343	O					9.21	59.417	0.00	1.21	3.814	O					8.42
54.333	0.00	1.26	4.334	O					9.20	59.500	0.00	1.21	3.806	O					8.41
54.417	0.00	1.26	4.326	O					9.19	59.583	0.00	1.21	3.798	O					8.40
54.500	0.00	1.26	4.317	O					9.18	59.667	0.00	1.21	3.790	O					8.38
54.583	0.00	1.26	4.308	O					9.17	59.750	0.00	1.21	3.781	O					8.37
54.667	0.00	1.26	4.300	O					9.15	59.833	0.00	1.20	3.773	O					8.36
54.750	0.00	1.26	4.291	O					9.14	59.917	0.00	1.20	3.765	O					8.34
54.833	0.00	1.26	4.282	O					9.13	60.000	0.00	1.20	3.756	O					8.33
54.917	0.00	1.26	4.274	O					9.12	60.083	0.00	1.20	3.748	O					8.32
55.000	0.00	1.26	4.265	O					9.11	60.167	0.00	1.20	3.740	O					8.30
55.083	0.00	1.26	4.256	O					9.10	60.250	0.00	1.20	3.731	O					8.29
55.167	0.00	1.26	4.248	O					9.08	60.333	0.00	1.20	3.723	O					8.28
55.250	0.00	1.26	4.239	O					9.07	60.417	0.00	1.20	3.715	O					8.27
55.333	0.00	1.25	4.230	O					9.06	60.500	0.00	1.20	3.707	O					8.25
55.417	0.00	1.25	4.222	O					9.05	60.583	0.00	1.20	3.698	O					8.24
55.500	0.00	1.25	4.213	O					9.04	60.667	0.00	1.20	3.690	O					8.23
55.583	0.00	1.25	4.204	O					9.03	60.750	0.00	1.19	3.682	O					8.21
55.667	0.00	1.25	4.196	O					9.02	60.833	0.00	1.19	3.674	O					8.20
55.750	0.00	1.25	4.187	O					9.00	60.917	0.00	1.19	3.666	O					8.19
55.833	0.00	1.25	4.179	O					8.99	61.000	0.00	1.19	3.657	O					8.18
55.917	0.00	1.25	4.170	O					8.98	61.083	0.00	1.19	3.649	O					8.16
56.000	0.00	1.25	4.161	O					8.96	61.167	0.00	1.19	3.641	O					8.15
56.083	0.00	1.25	4.153	O					8.95	61.250	0.00	1.19	3.633	O					8.14
56.167	0.00	1.25	4.144	O					8.94	61.333	0.00	1.19	3.625	O					8.12
56.250	0.00	1.24	4.136	O					8.92	61.417	0.00	1.19	3.616	O					8.11
56.333	0.00	1.24	4.127	O					8.91	61.500	0.00	1.19	3.608	O					8.10
56.417	0.00	1.24	4.118	O					8.90	61.583	0.00	1.19	3.600	O					8.09
56.500	0.00	1.24	4.110	O					8.88	61.667	0.00	1.19	3.592	O					8.07
56.583	0.00	1.24	4.101	O					8.87	61.750	0.00	1.18	3.584	O					8.06
56.667	0.00	1.24	4.093	O					8.86	61.833	0.00	1.18	3.576	O					8.05
56.750	0.00	1.24	4.084	O					8.84	61.917	0.00	1.18	3.567	O					8.03
56.833	0.00	1.24	4.076	O					8.83	62.000	0.00	1.18	3.559	O					8.02
56.917	0.00	1.24	4.067	O					8.82	62.083	0.00	1.18	3.551	O					8.01
57.000	0.00	1.24	4.059	O					8.80	62.167	0.00	1.18	3.543	O					8.00
57.083	0.00	1.24	4.050	O					8.79	62.250	0.00	1.18	3.535	O					7.98
57.167	0.00	1.23	4.042	O					8.78	62.333	0.00	1.18	3.527	O					7.97
57.250	0.00	1.23	4.033	O					8.76	62.417	0.00	1.18	3.519	O					7.96
57.333	0.00	1.23	4.025	O					8.75	62.500	0.00	1.18	3.511	O					7.95
57.417	0.00	1.23	4.016	O					8.74	62.583	0.00	1.18	3.502	O					7.93
57.500	0.00	1.23	4.008	O					8.72	62.667	0.00	1.17	3.494	O					7.92
57.583	0.00	1.23	3.999	O					8.71	62.750	0.00	1.17	3.486	O					7.91
57.667	0.00	1.23	3.991	O					8.70	62.833	0.00	1.17	3.478	O					7.89
57.750	0.00	1.23	3.982	O					8.68	62.917	0.00	1.17	3.470	O					7.88
57.833	0.00	1.23	3.974	O					8.67	63.000	0.00	1.17	3.462	O					7.87
57.917	0.00	1.23	3.965	O					8.66	63.083	0.00	1.17	3.454	O					7.86
58.000	0.00	1.23	3.957	O					8.64	63.167	0.00	1.17	3.446	O					7.84
58.083	0.00	1.22	3.949	O					8.63	63.250	0.00	1.17	3.438	O					7.83
58.167	0.00	1.22	3.940	O					8.62	63.333	0.00	1.17	3.430	O					7.82
58.250	0.00	1.22	3.932	O					8.60	63.417	0.00	1.17	3.422	O					7.81
58.333	0.00	1.22	3.923	O					8.59	63.500	0.00	1.17	3.414	O					7.79
58.417	0.00	1.22	3.915	O					8.58	63.583	0.00	1.16	3.406	O					7.78

63.667	0.00	1.16	3.398	O					7.77	68.833	0.00	1.11	2.912	O					7.01
63.750	0.00	1.16	3.390	O					7.76	68.917	0.00	1.11	2.905	O					7.00
63.833	0.00	1.16	3.382	O					7.74	69.000	0.00	1.11	2.897	O					6.98
63.917	0.00	1.16	3.374	O					7.73	69.083	0.00	1.11	2.889	O					6.97
64.000	0.00	1.16	3.366	O					7.72	69.167	0.00	1.11	2.882	O					6.95
64.083	0.00	1.16	3.358	O					7.71	69.250	0.00	1.10	2.874	O					6.94
64.167	0.00	1.16	3.350	O					7.69	69.333	0.00	1.10	2.866	O					6.92
64.250	0.00	1.16	3.342	O					7.68	69.417	0.00	1.10	2.859	O					6.91
64.333	0.00	1.16	3.334	O					7.67	69.500	0.00	1.10	2.851	O					6.90
64.417	0.00	1.16	3.326	O					7.66	69.583	0.00	1.10	2.844	O					6.88
64.500	0.00	1.16	3.318	O					7.64	69.667	0.00	1.10	2.836	O					6.87
64.583	0.00	1.15	3.310	O					7.63	69.750	0.00	1.10	2.829	O					6.85
64.667	0.00	1.15	3.302	O					7.62	69.833	0.00	1.10	2.821	O					6.84
64.750	0.00	1.15	3.294	O					7.61	69.917	0.00	1.09	2.814	O					6.82
64.833	0.00	1.15	3.286	O					7.59	70.000	0.00	1.09	2.806	O					6.81
64.917	0.00	1.15	3.278	O					7.58	70.083	0.00	1.09	2.798	O					6.80
65.000	0.00	1.15	3.270	O					7.57	70.167	0.00	1.09	2.791	O					6.78
65.083	0.00	1.15	3.262	O					7.56	70.250	0.00	1.09	2.783	O					6.77
65.167	0.00	1.15	3.254	O					7.54	70.333	0.00	1.09	2.776	O					6.75
65.250	0.00	1.15	3.247	O					7.53	70.417	0.00	1.09	2.768	O					6.74
65.333	0.00	1.15	3.239	O					7.52	70.500	0.00	1.09	2.761	O					6.73
65.417	0.00	1.15	3.231	O					7.51	70.583	0.00	1.08	2.754	O					6.71
65.500	0.00	1.14	3.223	O					7.49	70.667	0.00	1.08	2.746	O					6.70
65.583	0.00	1.14	3.215	O					7.48	70.750	0.00	1.08	2.739	O					6.68
65.667	0.00	1.14	3.207	O					7.47	70.833	0.00	1.08	2.731	O					6.67
65.750	0.00	1.14	3.199	O					7.46	70.917	0.00	1.08	2.724	O					6.66
65.833	0.00	1.14	3.191	O					7.45	71.000	0.00	1.08	2.716	O					6.64
65.917	0.00	1.14	3.184	O					7.43	71.083	0.00	1.08	2.709	O					6.63
66.000	0.00	1.14	3.176	O					7.42	71.167	0.00	1.08	2.701	O					6.62
66.083	0.00	1.14	3.168	O					7.41	71.250	0.00	1.07	2.694	O					6.60
66.167	0.00	1.14	3.160	O					7.40	71.333	0.00	1.07	2.687	O					6.59
66.250	0.00	1.14	3.152	O					7.38	71.417	0.00	1.07	2.679	O					6.57
66.333	0.00	1.14	3.144	O					7.37	71.500	0.00	1.07	2.672	O					6.56
66.417	0.00	1.14	3.136	O					7.36	71.583	0.00	1.07	2.665	O					6.55
66.500	0.00	1.13	3.129	O					7.35	71.667	0.00	1.07	2.657	O					6.53
66.583	0.00	1.13	3.121	O					7.33	71.750	0.00	1.07	2.650	O					6.52
66.667	0.00	1.13	3.113	O					7.32	71.833	0.00	1.07	2.642	O					6.50
66.750	0.00	1.13	3.105	O					7.31	71.917	0.00	1.06	2.635	O					6.49
66.833	0.00	1.13	3.097	O					7.30	72.000	0.00	1.06	2.628	O					6.48
66.917	0.00	1.13	3.090	O					7.29	72.083	0.00	1.06	2.621	O					6.46
67.000	0.00	1.13	3.082	O					7.27	72.167	0.00	1.06	2.613	O					6.45
67.083	0.00	1.13	3.074	O					7.26	72.250	0.00	1.06	2.606	O					6.44
67.167	0.00	1.13	3.066	O					7.25	72.333	0.00	1.06	2.599	O					6.42
67.250	0.00	1.13	3.059	O					7.24	72.417	0.00	1.06	2.591	O					6.41
67.333	0.00	1.13	3.051	O					7.23	72.500	0.00	1.06	2.584	O					6.40
67.417	0.00	1.12	3.043	O					7.21	72.583	0.00	1.05	2.577	O					6.38
67.500	0.00	1.12	3.035	O					7.20	72.667	0.00	1.05	2.570	O					6.37
67.583	0.00	1.12	3.028	O					7.19	72.750	0.00	1.05	2.562	O					6.35
67.667	0.00	1.12	3.020	O					7.18	72.833	0.00	1.05	2.555	O					6.34
67.750	0.00	1.12	3.012	O					7.16	72.917	0.00	1.05	2.548	O					6.33
67.833	0.00	1.12	3.004	O					7.15	73.000	0.00	1.05	2.541	O					6.31
67.917	0.00	1.12	2.997	O					7.14	73.083	0.00	1.05	2.533	O					6.30
68.000	0.00	1.12	2.989	O					7.13	73.167	0.00	1.05	2.526	O					6.29
68.083	0.00	1.12	2.981	O					7.12	73.250	0.00	1.04	2.519	O					6.27
68.167	0.00	1.12	2.974	O					7.10	73.333	0.00	1.04	2.512	O					6.26
68.250	0.00	1.12	2.966	O					7.09	73.417	0.00	1.04	2.505	O					6.25
68.333	0.00	1.12	2.958	O					7.08	73.500	0.00	1.04	2.497	O					6.23
68.417	0.00	1.11	2.951	O					7.07	73.583	0.00	1.04	2.490	O					6.22
68.500	0.00	1.11	2.943	O					7.06	73.667	0.00	1.04	2.483	O					6.21
68.583	0.00	1.11	2.935	O					7.04	73.750	0.00	1.04	2.476	O					6.19
68.667	0.00	1.11	2.928	O					7.03	73.833	0.00	1.04	2.469	O					6.18
68.750	0.00	1.11	2.920	O					7.02	73.917	0.00	1.03	2.462	O					6.17

74.000	0.00	1.03	2.455	O	|	|	|	|	6.15	79.167	0.00	0.96	2.029	O	|	|	|	|	5.36
74.083	0.00	1.03	2.447	O	|	|	|	|	6.14	79.250	0.00	0.96	2.022	O	|	|	|	|	5.34
74.167	0.00	1.03	2.440	O	|	|	|	|	6.13	79.333	0.00	0.96	2.015	O	|	|	|	|	5.33
74.250	0.00	1.03	2.433	O	|	|	|	|	6.11	79.417	0.00	0.96	2.009	O	|	|	|	|	5.32
74.333	0.00	1.03	2.426	O	|	|	|	|	6.10	79.500	0.00	0.96	2.002	O	|	|	|	|	5.31
74.417	0.00	1.03	2.419	O	|	|	|	|	6.09	79.583	0.00	0.96	1.996	O	|	|	|	|	5.29
74.500	0.00	1.03	2.412	O	|	|	|	|	6.07	79.667	0.00	0.96	1.989	O	|	|	|	|	5.28
74.583	0.00	1.03	2.405	O	|	|	|	|	6.06	79.750	0.00	0.95	1.982	O	|	|	|	|	5.27
74.667	0.00	1.02	2.398	O	|	|	|	|	6.05	79.833	0.00	0.95	1.976	O	|	|	|	|	5.26
74.750	0.00	1.02	2.391	O	|	|	|	|	6.03	79.917	0.00	0.95	1.969	O	|	|	|	|	5.24
74.833	0.00	1.02	2.384	O	|	|	|	|	6.02	80.000	0.00	0.95	1.963	O	|	|	|	|	5.23
74.917	0.00	1.02	2.377	O	|	|	|	|	6.01	80.083	0.00	0.95	1.956	O	|	|	|	|	5.22
75.000	0.00	1.02	2.370	O	|	|	|	|	5.99	80.167	0.00	0.95	1.950	O	|	|	|	|	5.21
75.083	0.00	1.02	2.363	O	|	|	|	|	5.98	80.250	0.00	0.95	1.943	O	|	|	|	|	5.20
75.167	0.00	1.02	2.356	O	|	|	|	|	5.97	80.333	0.00	0.95	1.937	O	|	|	|	|	5.18
75.250	0.00	1.02	2.349	O	|	|	|	|	5.95	80.417	0.00	0.95	1.930	O	|	|	|	|	5.17
75.333	0.00	1.01	2.342	O	|	|	|	|	5.94	80.500	0.00	0.94	1.924	O	|	|	|	|	5.16
75.417	0.00	1.01	2.335	O	|	|	|	|	5.93	80.583	0.00	0.94	1.917	O	|	|	|	|	5.15
75.500	0.00	1.01	2.328	O	|	|	|	|	5.92	80.667	0.00	0.94	1.911	O	|	|	|	|	5.13
75.583	0.00	1.01	2.321	O	|	|	|	|	5.90	80.750	0.00	0.94	1.904	O	|	|	|	|	5.12
75.667	0.00	1.01	2.314	O	|	|	|	|	5.89	80.833	0.00	0.94	1.898	O	|	|	|	|	5.11
75.750	0.00	1.01	2.307	O	|	|	|	|	5.88	80.917	0.00	0.94	1.891	O	|	|	|	|	5.10
75.833	0.00	1.01	2.300	O	|	|	|	|	5.86	81.000	0.00	0.94	1.885	O	|	|	|	|	5.09
75.917	0.00	1.01	2.293	O	|	|	|	|	5.85	81.083	0.00	0.94	1.878	O	|	|	|	|	5.07
76.000	0.00	1.01	2.286	O	|	|	|	|	5.84	81.167	0.00	0.94	1.872	O	|	|	|	|	5.06
76.083	0.00	1.00	2.279	O	|	|	|	|	5.82	81.250	0.00	0.93	1.865	O	|	|	|	|	5.05
76.167	0.00	1.00	2.272	O	|	|	|	|	5.81	81.333	0.00	0.93	1.859	O	|	|	|	|	5.04
76.250	0.00	1.00	2.265	O	|	|	|	|	5.80	81.417	0.00	0.93	1.853	O	|	|	|	|	5.03
76.333	0.00	1.00	2.258	O	|	|	|	|	5.79	81.500	0.00	0.93	1.846	O	|	|	|	|	5.01
76.417	0.00	1.00	2.252	O	|	|	|	|	5.77	81.583	0.00	0.93	1.840	O	|	|	|	|	5.00
76.500	0.00	1.00	2.245	O	|	|	|	|	5.76	81.667	0.00	0.93	1.833	O	|	|	|	|	4.99
76.583	0.00	1.00	2.238	O	|	|	|	|	5.75	81.750	0.00	0.93	1.827	O	|	|	|	|	4.97
76.667	0.00	1.00	2.231	O	|	|	|	|	5.73	81.833	0.00	0.93	1.821	O	|	|	|	|	4.96
76.750	0.00	0.99	2.224	O	|	|	|	|	5.72	81.917	0.00	0.92	1.814	O	|	|	|	|	4.94
76.833	0.00	0.99	2.217	O	|	|	|	|	5.71	82.000	0.00	0.92	1.808	O	|	|	|	|	4.93
76.917	0.00	0.99	2.210	O	|	|	|	|	5.70	82.083	0.00	0.92	1.801	O	|	|	|	|	4.91
77.000	0.00	0.99	2.204	O	|	|	|	|	5.68	82.167	0.00	0.92	1.795	O	|	|	|	|	4.90
77.083	0.00	0.99	2.197	O	|	|	|	|	5.67	82.250	0.00	0.92	1.789	O	|	|	|	|	4.88
77.167	0.00	0.99	2.190	O	|	|	|	|	5.66	82.333	0.00	0.92	1.783	O	|	|	|	|	4.87
77.250	0.00	0.99	2.183	O	|	|	|	|	5.64	82.417	0.00	0.91	1.776	O	|	|	|	|	4.86
77.333	0.00	0.99	2.176	O	|	|	|	|	5.63	82.500	0.00	0.91	1.770	O	|	|	|	|	4.84
77.417	0.00	0.99	2.170	O	|	|	|	|	5.62	82.583	0.00	0.91	1.764	O	|	|	|	|	4.83
77.500	0.00	0.98	2.163	O	|	|	|	|	5.61	82.667	0.00	0.91	1.757	O	|	|	|	|	4.81
77.583	0.00	0.98	2.156	O	|	|	|	|	5.59	82.750	0.00	0.91	1.751	O	|	|	|	|	4.80
77.667	0.00	0.98	2.149	O	|	|	|	|	5.58	82.833	0.00	0.91	1.745	O	|	|	|	|	4.78
77.750	0.00	0.98	2.142	O	|	|	|	|	5.57	82.917	0.00	0.91	1.739	O	|	|	|	|	4.77
77.833	0.00	0.98	2.136	O	|	|	|	|	5.56	83.000	0.00	0.90	1.732	O	|	|	|	|	4.76
77.917	0.00	0.98	2.129	O	|	|	|	|	5.54	83.083	0.00	0.90	1.726	O	|	|	|	|	4.74
78.000	0.00	0.98	2.122	O	|	|	|	|	5.53	83.167	0.00	0.90	1.720	O	|	|	|	|	4.73
78.083	0.00	0.98	2.115	O	|	|	|	|	5.52	83.250	0.00	0.90	1.714	O	|	|	|	|	4.71
78.167	0.00	0.98	2.109	O	|	|	|	|	5.51	83.333	0.00	0.90	1.708	O	|	|	|	|	4.70
78.250	0.00	0.97	2.102	O	|	|	|	|	5.49	83.417	0.00	0.90	1.701	O	|	|	|	|	4.68
78.333	0.00	0.97	2.095	O	|	|	|	|	5.48	83.500	0.00	0.90	1.695	O	|	|	|	|	4.67
78.417	0.00	0.97	2.089	O	|	|	|	|	5.47	83.583	0.00	0.89	1.689	O	|	|	|	|	4.66
78.500	0.00	0.97	2.082	O	|	|	|	|	5.45	83.667	0.00	0.89	1.683	O	|	|	|	|	4.64
78.583	0.00	0.97	2.075	O	|	|	|	|	5.44	83.750	0.00	0.89	1.677	O	|	|	|	|	4.63
78.667	0.00	0.97	2.069	O	|	|	|	|	5.43	83.833	0.00	0.89	1.671	O	|	|	|	|	4.61
78.750	0.00	0.97	2.062	O	|	|	|	|	5.42	83.917	0.00	0.89	1.664	O	|	|	|	|	4.60
78.833	0.00	0.97	2.055	O	|	|	|	|	5.40	84.000	0.00	0.89	1.658	O	|	|	|	|	4.59
78.917	0.00	0.97	2.049	O	|	|	|	|	5.39	84.083	0.00	0.89	1.652	O	|	|	|	|	4.57
79.000	0.00	0.96	2.042	O	|	|	|	|	5.38	84.167	0.00	0.88	1.646	O	|	|	|	|	4.56
79.083	0.00	0.96	2.035	O	|	|	|	|	5.37	84.250	0.00	0.88	1.640	O	|	|	|	|	4.54

84.333	0.00	0.88	1.634	O	|	|	|	|	4.53	89.500	0.00	0.79	1.277	O	|	|	|	|	3.71
84.417	0.00	0.88	1.628	O	|	|	|	|	4.52	89.583	0.00	0.79	1.271	O	|	|	|	|	3.70
84.500	0.00	0.88	1.622	O	|	|	|	|	4.50	89.667	0.00	0.79	1.266	O	|	|	|	|	3.69
84.583	0.00	0.88	1.616	O	|	|	|	|	4.49	89.750	0.00	0.79	1.260	O	|	|	|	|	3.67
84.667	0.00	0.87	1.610	O	|	|	|	|	4.47	89.833	0.00	0.79	1.255	O	|	|	|	|	3.66
84.750	0.00	0.87	1.604	O	|	|	|	|	4.46	89.917	0.00	0.79	1.249	O	|	|	|	|	3.65
84.833	0.00	0.87	1.598	O	|	|	|	|	4.45	90.000	0.00	0.79	1.244	O	|	|	|	|	3.64
84.917	0.00	0.87	1.592	O	|	|	|	|	4.43	90.083	0.00	0.79	1.239	O	|	|	|	|	3.62
85.000	0.00	0.87	1.586	O	|	|	|	|	4.42	90.167	0.00	0.78	1.233	O	|	|	|	|	3.61
85.083	0.00	0.87	1.580	O	|	|	|	|	4.41	90.250	0.00	0.78	1.228	O	|	|	|	|	3.60
85.167	0.00	0.87	1.574	O	|	|	|	|	4.39	90.333	0.00	0.78	1.222	O	|	|	|	|	3.59
85.250	0.00	0.86	1.568	O	|	|	|	|	4.38	90.417	0.00	0.78	1.217	O	|	|	|	|	3.57
85.333	0.00	0.86	1.562	O	|	|	|	|	4.36	90.500	0.00	0.78	1.212	O	|	|	|	|	3.56
85.417	0.00	0.86	1.556	O	|	|	|	|	4.35	90.583	0.00	0.78	1.206	O	|	|	|	|	3.55
85.500	0.00	0.86	1.550	O	|	|	|	|	4.34	90.667	0.00	0.78	1.201	O	|	|	|	|	3.54
85.583	0.00	0.86	1.544	O	|	|	|	|	4.32	90.750	0.00	0.78	1.196	O	|	|	|	|	3.52
85.667	0.00	0.86	1.538	O	|	|	|	|	4.31	90.833	0.00	0.77	1.190	O	|	|	|	|	3.51
85.750	0.00	0.86	1.532	O	|	|	|	|	4.30	90.917	0.00	0.77	1.185	O	|	|	|	|	3.50
85.833	0.00	0.85	1.526	O	|	|	|	|	4.28	91.000	0.00	0.77	1.180	O	|	|	|	|	3.49
85.917	0.00	0.85	1.521	O	|	|	|	|	4.27	91.083	0.00	0.77	1.174	O	|	|	|	|	3.48
86.000	0.00	0.85	1.515	O	|	|	|	|	4.26	91.167	0.00	0.77	1.169	O	|	|	|	|	3.46
86.083	0.00	0.85	1.509	O	|	|	|	|	4.24	91.250	0.00	0.77	1.164	O	|	|	|	|	3.45
86.167	0.00	0.85	1.503	O	|	|	|	|	4.23	91.333	0.00	0.77	1.158	O	|	|	|	|	3.44
86.250	0.00	0.85	1.497	O	|	|	|	|	4.22	91.417	0.00	0.76	1.153	O	|	|	|	|	3.43
86.333	0.00	0.85	1.491	O	|	|	|	|	4.20	91.500	0.00	0.76	1.148	O	|	|	|	|	3.41
86.417	0.00	0.84	1.485	O	|	|	|	|	4.19	91.583	0.00	0.76	1.143	O	|	|	|	|	3.40
86.500	0.00	0.84	1.480	O	|	|	|	|	4.18	91.667	0.00	0.76	1.137	O	|	|	|	|	3.39
86.583	0.00	0.84	1.474	O	|	|	|	|	4.16	91.750	0.00	0.76	1.132	O	|	|	|	|	3.38
86.667	0.00	0.84	1.468	O	|	|	|	|	4.15	91.833	0.00	0.76	1.127	O	|	|	|	|	3.37
86.750	0.00	0.84	1.462	O	|	|	|	|	4.14	91.917	0.00	0.76	1.122	O	|	|	|	|	3.35
86.833	0.00	0.84	1.457	O	|	|	|	|	4.12	92.000	0.00	0.76	1.117	O	|	|	|	|	3.34
86.917	0.00	0.84	1.451	O	|	|	|	|	4.11	92.083	0.00	0.75	1.111	O	|	|	|	|	3.33
87.000	0.00	0.84	1.445	O	|	|	|	|	4.10	92.167	0.00	0.75	1.106	O	|	|	|	|	3.32
87.083	0.00	0.83	1.439	O	|	|	|	|	4.08	92.250	0.00	0.75	1.101	O	|	|	|	|	3.31
87.167	0.00	0.83	1.434	O	|	|	|	|	4.07	92.333	0.00	0.75	1.096	O	|	|	|	|	3.30
87.250	0.00	0.83	1.428	O	|	|	|	|	4.06	92.417	0.00	0.75	1.091	O	|	|	|	|	3.28
87.333	0.00	0.83	1.422	O	|	|	|	|	4.04	92.500	0.00	0.75	1.085	O	|	|	|	|	3.27
87.417	0.00	0.83	1.416	O	|	|	|	|	4.03	92.583	0.00	0.75	1.080	O	|	|	|	|	3.26
87.500	0.00	0.83	1.411	O	|	|	|	|	4.02	92.667	0.00	0.75	1.075	O	|	|	|	|	3.25
87.583	0.00	0.83	1.405	O	|	|	|	|	4.00	92.750	0.00	0.74	1.070	O	|	|	|	|	3.24
87.667	0.00	0.82	1.399	O	|	|	|	|	3.99	92.833	0.00	0.74	1.065	O	|	|	|	|	3.22
87.750	0.00	0.82	1.394	O	|	|	|	|	3.98	92.917	0.00	0.74	1.060	O	|	|	|	|	3.21
87.833	0.00	0.82	1.388	O	|	|	|	|	3.97	93.000	0.00	0.74	1.055	O	|	|	|	|	3.20
87.917	0.00	0.82	1.382	O	|	|	|	|	3.95	93.083	0.00	0.74	1.050	O	|	|	|	|	3.19
88.000	0.00	0.82	1.377	O	|	|	|	|	3.94	93.167	0.00	0.74	1.044	O	|	|	|	|	3.18
88.083	0.00	0.82	1.371	O	|	|	|	|	3.93	93.250	0.00	0.74	1.039	O	|	|	|	|	3.17
88.167	0.00	0.82	1.365	O	|	|	|	|	3.91	93.333	0.00	0.74	1.034	O	|	|	|	|	3.15
88.250	0.00	0.81	1.360	O	|	|	|	|	3.90	93.417	0.00	0.73	1.029	O	|	|	|	|	3.14
88.333	0.00	0.81	1.354	O	|	|	|	|	3.89	93.500	0.00	0.73	1.024	O	|	|	|	|	3.13
88.417	0.00	0.81	1.349	O	|	|	|	|	3.88	93.583	0.00	0.73	1.019	O	|	|	|	|	3.12
88.500	0.00	0.81	1.343	O	|	|	|	|	3.86	93.667	0.00	0.73	1.014	O	|	|	|	|	3.11
88.583	0.00	0.81	1.337	O	|	|	|	|	3.85	93.750	0.00	0.73	1.009	O	|	|	|	|	3.10
88.667	0.00	0.81	1.332	O	|	|	|	|	3.84	93.833	0.00	0.73	1.004	O	|	|	|	|	3.08
88.750	0.00	0.81	1.326	O	|	|	|	|	3.82	93.917	0.00	0.73	0.999	O	|	|	|	|	3.07
88.833	0.00	0.81	1.321	O	|	|	|	|	3.81	94.000	0.00	0.73	0.994	O	|	|	|	|	3.06
88.917	0.00	0.80	1.315	O	|	|	|	|	3.80	94.083	0.00	0.73	0.989	O	|	|	|	|	3.05
89.000	0.00	0.80	1.310	O	|	|	|	|	3.79	94.167	0.00	0.72	0.984	O	|	|	|	|	3.04
89.083	0.00	0.80	1.304	O	|	|	|	|	3.77	94.250	0.00	0.72	0.979	O	|	|	|	|	3.03
89.167	0.00	0.80	1.299	O	|	|	|	|	3.76	94.333	0.00	0.72	0.974	O	|	|	|	|	3.02
89.250	0.00	0.80	1.293	O	|	|	|	|	3.75	94.417	0.00	0.72	0.969	O	|	|	|	|	3.00
89.333	0.00	0.80	1.288	O	|	|	|	|	3.74	94.500	0.00	0.72	0.964	O	|	|	|	|	2.99
89.417	0.00	0.80	1.282	O	|	|	|	|	3.72	94.583	0.00	0.72	0.959	O	|	|	|	|	2.98

94.667	0.00	0.71	0.954	O					2.96	99.833	0.00	0.59	0.678	O					2.16
94.750	0.00	0.71	0.949	O					2.95	99.917	0.00	0.58	0.674	O					2.15
94.833	0.00	0.71	0.944	O					2.93	100.000	0.00	0.58	0.670	O					2.14
94.917	0.00	0.71	0.940	O					2.92	100.083	0.00	0.58	0.666	O					2.12
95.000	0.00	0.70	0.935	O					2.91	100.167	0.00	0.58	0.662	O					2.11
95.083	0.00	0.70	0.930	O					2.89	100.250	0.00	0.58	0.658	O					2.10
95.167	0.00	0.70	0.925	O					2.88	100.333	0.00	0.57	0.654	O					2.09
95.250	0.00	0.70	0.920	O					2.86	100.417	0.00	0.57	0.650	O					2.08
95.333	0.00	0.70	0.915	O					2.85	100.500	0.00	0.57	0.646	O					2.07
95.417	0.00	0.69	0.911	O					2.84	100.583	0.00	0.57	0.642	O					2.06
95.500	0.00	0.69	0.906	O					2.82	100.667	0.00	0.57	0.638	O					2.04
95.583	0.00	0.69	0.901	O					2.81	100.750	0.00	0.57	0.634	O					2.03
95.667	0.00	0.69	0.896	O					2.79	100.833	0.00	0.56	0.630	O					2.02
95.750	0.00	0.68	0.892	O					2.78	100.917	0.00	0.56	0.626	O					2.01
95.833	0.00	0.68	0.887	O					2.77	101.000	0.00	0.56	0.623	O					2.00
95.917	0.00	0.68	0.882	O					2.75	101.083	0.00	0.56	0.619	O					1.99
96.000	0.00	0.68	0.878	O					2.74	101.167	0.00	0.56	0.615	O					1.98
96.083	0.00	0.68	0.873	O					2.73	101.250	0.00	0.55	0.611	O					1.97
96.167	0.00	0.67	0.868	O					2.71	101.333	0.00	0.55	0.607	O					1.95
96.250	0.00	0.67	0.864	O					2.70	101.417	0.00	0.55	0.603	O					1.94
96.333	0.00	0.67	0.859	O					2.69	101.500	0.00	0.55	0.600	O					1.93
96.417	0.00	0.67	0.854	O					2.67	101.583	0.00	0.55	0.596	O					1.92
96.500	0.00	0.67	0.850	O					2.66	101.667	0.00	0.55	0.592	O					1.91
96.583	0.00	0.66	0.845	O					2.65	101.750	0.00	0.54	0.588	O					1.90
96.667	0.00	0.66	0.841	O					2.63	101.833	0.00	0.54	0.585	O					1.89
96.750	0.00	0.66	0.836	O					2.62	101.917	0.00	0.54	0.581	O					1.88
96.833	0.00	0.66	0.832	O					2.61	102.000	0.00	0.54	0.577	O					1.87
96.917	0.00	0.65	0.827	O					2.59	102.083	0.00	0.54	0.573	O					1.86
97.000	0.00	0.65	0.823	O					2.58	102.167	0.00	0.54	0.570	O					1.85
97.083	0.00	0.65	0.818	O					2.57	102.250	0.00	0.53	0.566	O					1.83
97.167	0.00	0.65	0.814	O					2.55	102.333	0.00	0.53	0.562	O					1.82
97.250	0.00	0.65	0.809	O					2.54	102.417	0.00	0.53	0.559	O					1.81
97.333	0.00	0.64	0.805	O					2.53	102.500	0.00	0.53	0.555	O					1.80
97.417	0.00	0.64	0.800	O					2.52	102.583	0.00	0.53	0.551	O					1.79
97.500	0.00	0.64	0.796	O					2.50	102.667	0.00	0.53	0.548	O					1.78
97.583	0.00	0.64	0.791	O					2.49	102.750	0.00	0.52	0.544	O					1.77
97.667	0.00	0.64	0.787	O					2.48	102.833	0.00	0.52	0.541	O					1.76
97.750	0.00	0.63	0.783	O					2.46	102.917	0.00	0.52	0.537	O					1.75
97.833	0.00	0.63	0.778	O					2.45	103.000	0.00	0.52	0.533	O					1.74
97.917	0.00	0.63	0.774	O					2.44	103.083	0.00	0.52	0.530	O					1.73
98.000	0.00	0.63	0.770	O					2.43	103.167	0.00	0.52	0.526	O					1.72
98.083	0.00	0.63	0.765	O					2.41	103.250	0.00	0.51	0.523	O					1.71
98.167	0.00	0.62	0.761	O					2.40	103.333	0.00	0.51	0.519	O					1.70
98.250	0.00	0.62	0.757	O					2.39	103.417	0.00	0.51	0.516	O					1.69
98.333	0.00	0.62	0.752	O					2.38	103.500	0.00	0.51	0.512	O					1.68
98.417	0.00	0.62	0.748	O					2.36	103.583	0.00	0.51	0.509	O					1.67
98.500	0.00	0.62	0.744	O					2.35	103.667	0.00	0.51	0.505	O					1.66
98.583	0.00	0.61	0.740	O					2.34	103.750	0.00	0.50	0.502	O					1.65
98.667	0.00	0.61	0.735	O					2.33	103.833	0.00	0.50	0.498	O					1.64
98.750	0.00	0.61	0.731	O					2.31	103.917	0.00	0.50	0.495	O					1.63
98.833	0.00	0.61	0.727	O					2.30	104.000	0.00	0.50	0.491	O					1.62
98.917	0.00	0.61	0.723	O					2.29	104.083	0.00	0.50	0.488	O					1.61
99.000	0.00	0.60	0.719	O					2.28	104.167	0.00	0.50	0.485	O					1.60
99.083	0.00	0.60	0.715	O					2.27	104.250	0.00	0.49	0.481	O					1.59
99.167	0.00	0.60	0.710	O					2.25	104.333	0.00	0.49	0.478	O					1.58
99.250	0.00	0.60	0.706	O					2.24	104.417	0.00	0.49	0.474	O					1.57
99.333	0.00	0.60	0.702	O					2.23	104.500	0.00	0.49	0.471	O					1.56
99.417	0.00	0.59	0.698	O					2.22	104.583	0.00	0.49	0.468	O					1.55
99.500	0.00	0.59	0.694	O					2.21	104.667	0.00	0.49	0.464	O					1.54
99.583	0.00	0.59	0.690	O					2.19	104.750	0.00	0.48	0.461	O					1.53
99.667	0.00	0.59	0.686	O					2.18	104.833	0.00	0.48	0.458	O					1.52
99.750	0.00	0.59	0.682	O					2.17	104.917	0.00	0.48	0.454	O					1.51

105.000	0.00	0.48	0.451	O	|	|	|	|	1.50	110.167	0.00	0.38	0.265	O	|	|	|	|	0.95
105.083	0.00	0.48	0.448	O	|	|	|	|	1.49	110.250	0.00	0.38	0.263	O	|	|	|	|	0.94
105.167	0.00	0.48	0.444	O	|	|	|	|	1.48	110.333	0.00	0.37	0.260	O	|	|	|	|	0.93
105.250	0.00	0.48	0.441	O	|	|	|	|	1.47	110.417	0.00	0.37	0.258	O	|	|	|	|	0.92
105.333	0.00	0.47	0.438	O	|	|	|	|	1.46	110.500	0.00	0.37	0.255	O	|	|	|	|	0.91
105.417	0.00	0.47	0.435	O	|	|	|	|	1.45	110.583	0.00	0.36	0.253	O	|	|	|	|	0.91
105.500	0.00	0.47	0.431	O	|	|	|	|	1.44	110.667	0.00	0.36	0.250	O	|	|	|	|	0.90
105.583	0.00	0.47	0.428	O	|	|	|	|	1.43	110.750	0.00	0.36	0.248	O	|	|	|	|	0.89
105.667	0.00	0.47	0.425	O	|	|	|	|	1.42	110.833	0.00	0.35	0.245	O	|	|	|	|	0.88
105.750	0.00	0.47	0.422	O	|	|	|	|	1.41	110.917	0.00	0.35	0.243	O	|	|	|	|	0.87
105.833	0.00	0.46	0.418	O	|	|	|	|	1.41	111.000	0.00	0.34	0.240	O	|	|	|	|	0.86
105.917	0.00	0.46	0.415	O	|	|	|	|	1.40	111.083	0.00	0.34	0.238	O	|	|	|	|	0.85
106.000	0.00	0.46	0.412	O	|	|	|	|	1.39	111.167	0.00	0.34	0.236	O	|	|	|	|	0.84
106.083	0.00	0.46	0.409	O	|	|	|	|	1.38	111.250	0.00	0.33	0.233	O	|	|	|	|	0.84
106.167	0.00	0.46	0.406	O	|	|	|	|	1.37	111.333	0.00	0.33	0.231	O	|	|	|	|	0.83
106.250	0.00	0.46	0.403	O	|	|	|	|	1.36	111.417	0.00	0.33	0.229	O	|	|	|	|	0.82
106.333	0.00	0.46	0.399	O	|	|	|	|	1.35	111.500	0.00	0.32	0.227	O	|	|	|	|	0.81
106.417	0.00	0.45	0.396	O	|	|	|	|	1.34	111.583	0.00	0.32	0.224	O	|	|	|	|	0.80
106.500	0.00	0.45	0.393	O	|	|	|	|	1.33	111.667	0.00	0.32	0.222	O	|	|	|	|	0.80
106.583	0.00	0.45	0.390	O	|	|	|	|	1.32	111.750	0.00	0.32	0.220	O	|	|	|	|	0.79
106.667	0.00	0.45	0.387	O	|	|	|	|	1.31	111.833	0.00	0.31	0.218	O	|	|	|	|	0.78
106.750	0.00	0.45	0.384	O	|	|	|	|	1.30	111.917	0.00	0.31	0.216	O	|	|	|	|	0.77
106.833	0.00	0.45	0.381	O	|	|	|	|	1.30	112.000	0.00	0.31	0.214	O	|	|	|	|	0.77
106.917	0.00	0.45	0.378	O	|	|	|	|	1.29	112.083	0.00	0.30	0.211	O	|	|	|	|	0.76
107.000	0.00	0.44	0.375	O	|	|	|	|	1.28	112.167	0.00	0.30	0.209	O	|	|	|	|	0.75
107.083	0.00	0.44	0.372	O	|	|	|	|	1.27	112.250	0.00	0.30	0.207	O	|	|	|	|	0.74
107.167	0.00	0.44	0.369	O	|	|	|	|	1.26	112.333	0.00	0.29	0.205	O	|	|	|	|	0.74
107.250	0.00	0.44	0.365	O	|	|	|	|	1.25	112.417	0.00	0.29	0.203	O	|	|	|	|	0.73
107.333	0.00	0.44	0.362	O	|	|	|	|	1.24	112.500	0.00	0.29	0.201	O	|	|	|	|	0.72
107.417	0.00	0.44	0.359	O	|	|	|	|	1.23	112.583	0.00	0.29	0.199	O	|	|	|	|	0.71
107.500	0.00	0.44	0.356	O	|	|	|	|	1.23	112.667	0.00	0.28	0.197	O	|	|	|	|	0.71
107.583	0.00	0.43	0.353	O	|	|	|	|	1.22	112.750	0.00	0.28	0.195	O	|	|	|	|	0.70
107.667	0.00	0.43	0.350	O	|	|	|	|	1.21	112.833	0.00	0.28	0.193	O	|	|	|	|	0.69
107.750	0.00	0.43	0.347	O	|	|	|	|	1.20	112.917	0.00	0.27	0.192	O	|	|	|	|	0.69
107.833	0.00	0.43	0.345	O	|	|	|	|	1.19	113.000	0.00	0.27	0.190	O	|	|	|	|	0.68
107.917	0.00	0.43	0.342	O	|	|	|	|	1.18	113.083	0.00	0.27	0.188	O	|	|	|	|	0.67
108.000	0.00	0.43	0.339	O	|	|	|	|	1.17	113.167	0.00	0.27	0.186	O	|	|	|	|	0.67
108.083	0.00	0.43	0.336	O	|	|	|	|	1.16	113.250	0.00	0.26	0.184	O	|	|	|	|	0.66
108.167	0.00	0.42	0.333	O	|	|	|	|	1.16	113.333	0.00	0.26	0.182	O	|	|	|	|	0.65
108.250	0.00	0.42	0.330	O	|	|	|	|	1.15	113.417	0.00	0.26	0.181	O	|	|	|	|	0.65
108.333	0.00	0.42	0.327	O	|	|	|	|	1.14	113.500	0.00	0.26	0.179	O	|	|	|	|	0.64
108.417	0.00	0.42	0.324	O	|	|	|	|	1.13	113.583	0.00	0.25	0.177	O	|	|	|	|	0.63
108.500	0.00	0.42	0.321	O	|	|	|	|	1.12	113.667	0.00	0.25	0.175	O	|	|	|	|	0.63
108.583	0.00	0.42	0.318	O	|	|	|	|	1.11	113.750	0.00	0.25	0.174	O	|	|	|	|	0.62
108.667	0.00	0.42	0.315	O	|	|	|	|	1.11	113.833	0.00	0.25	0.172	O	|	|	|	|	0.62
108.750	0.00	0.42	0.312	O	|	|	|	|	1.10	113.917	0.00	0.24	0.170	O	|	|	|	|	0.61
108.833	0.00	0.41	0.310	O	|	|	|	|	1.09	114.000	0.00	0.24	0.168	O	|	|	|	|	0.60
108.917	0.00	0.41	0.307	O	|	|	|	|	1.08	114.083	0.00	0.24	0.167	O	|	|	|	|	0.60
109.000	0.00	0.41	0.304	O	|	|	|	|	1.07	114.167	0.00	0.24	0.165	O	|	|	|	|	0.59
109.083	0.00	0.41	0.301	O	|	|	|	|	1.06	114.250	0.00	0.23	0.164	O	|	|	|	|	0.59
109.167	0.00	0.41	0.298	O	|	|	|	|	1.06	114.333	0.00	0.23	0.162	O	|	|	|	|	0.58
109.250	0.00	0.41	0.295	O	|	|	|	|	1.05	114.417	0.00	0.23	0.160	O	|	|	|	|	0.57
109.333	0.00	0.41	0.293	O	|	|	|	|	1.04	114.500	0.00	0.23	0.159	O	|	|	|	|	0.57
109.417	0.00	0.41	0.290	O	|	|	|	|	1.03	114.583	0.00	0.23	0.157	O	|	|	|	|	0.56
109.500	0.00	0.40	0.287	O	|	|	|	|	1.02	114.667	0.00	0.22	0.156	O	|	|	|	|	0.56
109.583	0.00	0.40	0.284	O	|	|	|	|	1.02	114.750	0.00	0.22	0.154	O	|	|	|	|	0.55
109.667	0.00	0.40	0.282	O	|	|	|	|	1.01	114.833	0.00	0.22	0.153	O	|	|	|	|	0.55
109.750	0.00	0.40	0.279	O	|	|	|	|	1.00	114.917	0.00	0.22	0.151	O	|	|	|	|	0.54
109.833	0.00	0.40	0.276	O	|	|	|	|	0.99	115.000	0.00	0.21	0.150	O	|	|	|	|	0.54
109.917	0.00	0.39	0.273	O	|	|	|	|	0.98	115.083	0.00	0.21	0.148	O	|	|	|	|	0.53
110.000	0.00	0.39	0.271	O	|	|	|	|	0.97	115.167	0.00	0.21	0.147	O	|	|	|	|	0.53
110.083	0.00	0.38	0.268	O	|	|	|	|	0.96	115.250	0.00	0.21	0.145	O	|	|	|	|	0.52

115.333	0.00	0.21	0.144	O	|	|	|	|	0.52	120.500	0.00	0.11	0.078	O	|	|	|	|	0.28
115.417	0.00	0.20	0.142	O	|	|	|	|	0.51	120.583	0.00	0.11	0.077	O	|	|	|	|	0.28
115.500	0.00	0.20	0.141	O	|	|	|	|	0.51	120.667	0.00	0.11	0.076	O	|	|	|	|	0.27
115.583	0.00	0.20	0.140	O	|	|	|	|	0.50	120.750	0.00	0.11	0.076	O	|	|	|	|	0.27
115.667	0.00	0.20	0.138	O	|	|	|	|	0.50	120.833	0.00	0.11	0.075	O	|	|	|	|	0.27
115.750	0.00	0.20	0.137	O	|	|	|	|	0.49	120.917	0.00	0.11	0.074	O	|	|	|	|	0.27
115.833	0.00	0.19	0.136	O	|	|	|	|	0.49	121.000	0.00	0.11	0.074	O	|	|	|	|	0.26
115.917	0.00	0.19	0.134	O	|	|	|	|	0.48	121.083	0.00	0.10	0.073	O	|	|	|	|	0.26
116.000	0.00	0.19	0.133	O	|	|	|	|	0.48	121.167	0.00	0.10	0.072	O	|	|	|	|	0.26
116.083	0.00	0.19	0.132	O	|	|	|	|	0.47	121.250	0.00	0.10	0.071	O	|	|	|	|	0.26
116.167	0.00	0.19	0.130	O	|	|	|	|	0.47	121.333	0.00	0.10	0.071	O	|	|	|	|	0.25
116.250	0.00	0.19	0.129	O	|	|	|	|	0.46	121.417	0.00	0.10	0.070	O	|	|	|	|	0.25
116.333	0.00	0.18	0.128	O	|	|	|	|	0.46	121.500	0.00	0.10	0.069	O	|	|	|	|	0.25
116.417	0.00	0.18	0.127	O	|	|	|	|	0.45	121.583	0.00	0.10	0.069	O	|	|	|	|	0.25
116.500	0.00	0.18	0.125	O	|	|	|	|	0.45	121.667	0.00	0.10	0.068	O	|	|	|	|	0.24
116.583	0.00	0.18	0.124	O	|	|	|	|	0.44	121.750	0.00	0.10	0.067	O	|	|	|	|	0.24
116.667	0.00	0.18	0.123	O	|	|	|	|	0.44	121.833	0.00	0.10	0.067	O	|	|	|	|	0.24
116.750	0.00	0.17	0.122	O	|	|	|	|	0.44	121.917	0.00	0.09	0.066	O	|	|	|	|	0.24
116.833	0.00	0.17	0.120	O	|	|	|	|	0.43	122.000	0.00	0.09	0.065	O	|	|	|	|	0.23
116.917	0.00	0.17	0.119	O	|	|	|	|	0.43	122.083	0.00	0.09	0.065	O	|	|	|	|	0.23
117.000	0.00	0.17	0.118	O	|	|	|	|	0.42	122.167	0.00	0.09	0.064	O	|	|	|	|	0.23
117.083	0.00	0.17	0.117	O	|	|	|	|	0.42	122.250	0.00	0.09	0.063	O	|	|	|	|	0.23
117.167	0.00	0.17	0.116	O	|	|	|	|	0.41	122.333	0.00	0.09	0.063	O	|	|	|	|	0.22
117.250	0.00	0.16	0.115	O	|	|	|	|	0.41	122.417	0.00	0.09	0.062	O	|	|	|	|	0.22
117.333	0.00	0.16	0.114	O	|	|	|	|	0.41	122.500	0.00	0.09	0.062	O	|	|	|	|	0.22
117.417	0.00	0.16	0.112	O	|	|	|	|	0.40	122.583	0.00	0.09	0.061	O	|	|	|	|	0.22
117.500	0.00	0.16	0.111	O	|	|	|	|	0.40	122.667	0.00	0.09	0.060	O	|	|	|	|	0.22
117.583	0.00	0.16	0.110	O	|	|	|	|	0.39	122.750	0.00	0.09	0.060	O	|	|	|	|	0.21
117.667	0.00	0.16	0.109	O	|	|	|	|	0.39	122.833	0.00	0.08	0.059	O	|	|	|	|	0.21
117.750	0.00	0.15	0.108	O	|	|	|	|	0.39	122.917	0.00	0.08	0.059	O	|	|	|	|	0.21
117.833	0.00	0.15	0.107	O	|	|	|	|	0.38	123.000	0.00	0.08	0.058	O	|	|	|	|	0.21
117.917	0.00	0.15	0.106	O	|	|	|	|	0.38	123.083	0.00	0.08	0.057	O	|	|	|	|	0.21
118.000	0.00	0.15	0.105	O	|	|	|	|	0.38	123.167	0.00	0.08	0.057	O	|	|	|	|	0.20
118.083	0.00	0.15	0.104	O	|	|	|	|	0.37	123.250	0.00	0.08	0.056	O	|	|	|	|	0.20
118.167	0.00	0.15	0.103	O	|	|	|	|	0.37	123.333	0.00	0.08	0.056	O	|	|	|	|	0.20
118.250	0.00	0.15	0.102	O	|	|	|	|	0.36	123.417	0.00	0.08	0.055	O	|	|	|	|	0.20
118.333	0.00	0.14	0.101	O	|	|	|	|	0.36	123.500	0.00	0.08	0.055	O	|	|	|	|	0.20
118.417	0.00	0.14	0.100	O	|	|	|	|	0.36	123.583	0.00	0.08	0.054	O	|	|	|	|	0.19
118.500	0.00	0.14	0.099	O	|	|	|	|	0.35	123.667	0.00	0.08	0.054	O	|	|	|	|	0.19
118.583	0.00	0.14	0.098	O	|	|	|	|	0.35	123.750	0.00	0.08	0.053	O	|	|	|	|	0.19
118.667	0.00	0.14	0.097	O	|	|	|	|	0.35	123.833	0.00	0.08	0.053	O	|	|	|	|	0.19
118.750	0.00	0.14	0.096	O	|	|	|	|	0.34	123.917	0.00	0.07	0.052	O	|	|	|	|	0.19
118.833	0.00	0.14	0.095	O	|	|	|	|	0.34	124.000	0.00	0.07	0.052	O	|	|	|	|	0.18
118.917	0.00	0.13	0.094	O	|	|	|	|	0.34	124.083	0.00	0.07	0.051	O	|	|	|	|	0.18
119.000	0.00	0.13	0.093	O	|	|	|	|	0.33	124.167	0.00	0.07	0.051	O	|	|	|	|	0.18
119.083	0.00	0.13	0.092	O	|	|	|	|	0.33	124.250	0.00	0.07	0.050	O	|	|	|	|	0.18
119.167	0.00	0.13	0.091	O	|	|	|	|	0.33	124.333	0.00	0.07	0.050	O	|	|	|	|	0.18
119.250	0.00	0.13	0.090	O	|	|	|	|	0.32	124.417	0.00	0.07	0.049	O	|	|	|	|	0.18
119.333	0.00	0.13	0.090	O	|	|	|	|	0.32	124.500	0.00	0.07	0.049	O	|	|	|	|	0.17
119.417	0.00	0.13	0.089	O	|	|	|	|	0.32	124.583	0.00	0.07	0.048	O	|	|	|	|	0.17
119.500	0.00	0.13	0.088	O	|	|	|	|	0.31	124.667	0.00	0.07	0.048	O	|	|	|	|	0.17
119.583	0.00	0.12	0.087	O	|	|	|	|	0.31	124.750	0.00	0.07	0.047	O	|	|	|	|	0.17
119.667	0.00	0.12	0.086	O	|	|	|	|	0.31	124.833	0.00	0.07	0.047	O	|	|	|	|	0.17
119.750	0.00	0.12	0.085	O	|	|	|	|	0.31	124.917	0.00	0.07	0.046	O	|	|	|	|	0.17
119.833	0.00	0.12	0.084	O	|	|	|	|	0.30	125.000	0.00	0.07	0.046	O	|	|	|	|	0.16
119.917	0.00	0.12	0.084	O	|	|	|	|	0.30	125.083	0.00	0.06	0.045	O	|	|	|	|	0.16
120.000	0.00	0.12	0.083	O	|	|	|	|	0.30	125.167	0.00	0.06	0.045	O	|	|	|	|	0.16
120.083	0.00	0.12	0.082	O	|	|	|	|	0.29	125.250	0.00	0.06	0.044	O	|	|	|	|	0.16
120.167	0.00	0.12	0.081	O	|	|	|	|	0.29	125.333	0.00	0.06	0.044	O	|	|	|	|	0.16
120.250	0.00	0.12	0.080	O	|	|	|	|	0.29	125.417	0.00	0.06	0.044	O	|	|	|	|	0.16
120.333	0.00	0.11	0.080	O	|	|	|	|	0.29	125.500	0.00	0.06	0.043	O	|	|	|	|	0.15
120.417	0.00	0.11	0.079	O	|	|	|	|	0.28	125.583	0.00	0.06	0.043	O	|	|	|	|	0.15

125.667	0.00	0.06	0.042	O	|	|	|	|	0.15	130.833	0.00	0.03	0.023	O	|	|	|	|	0.08
125.750	0.00	0.06	0.042	O	|	|	|	|	0.15	130.917	0.00	0.03	0.023	O	|	|	|	|	0.08
125.833	0.00	0.06	0.041	O	|	|	|	|	0.15	131.000	0.00	0.03	0.022	O	|	|	|	|	0.08
125.917	0.00	0.06	0.041	O	|	|	|	|	0.15	131.083	0.00	0.03	0.022	O	|	|	|	|	0.08
126.000	0.00	0.06	0.041	O	|	|	|	|	0.15	131.167	0.00	0.03	0.022	O	|	|	|	|	0.08
126.083	0.00	0.06	0.040	O	|	|	|	|	0.14	131.250	0.00	0.03	0.022	O	|	|	|	|	0.08
126.167	0.00	0.06	0.040	O	|	|	|	|	0.14	131.333	0.00	0.03	0.022	O	|	|	|	|	0.08
126.250	0.00	0.06	0.039	O	|	|	|	|	0.14	131.417	0.00	0.03	0.021	O	|	|	|	|	0.08
126.333	0.00	0.06	0.039	O	|	|	|	|	0.14	131.500	0.00	0.03	0.021	O	|	|	|	|	0.08
126.417	0.00	0.06	0.039	O	|	|	|	|	0.14	131.583	0.00	0.03	0.021	O	|	|	|	|	0.08
126.500	0.00	0.05	0.038	O	|	|	|	|	0.14	131.667	0.00	0.03	0.021	O	|	|	|	|	0.07
126.583	0.00	0.05	0.038	O	|	|	|	|	0.14	131.750	0.00	0.03	0.021	O	|	|	|	|	0.07
126.667	0.00	0.05	0.038	O	|	|	|	|	0.13	131.833	0.00	0.03	0.020	O	|	|	|	|	0.07
126.750	0.00	0.05	0.037	O	|	|	|	|	0.13	131.917	0.00	0.03	0.020	O	|	|	|	|	0.07
126.833	0.00	0.05	0.037	O	|	|	|	|	0.13	132.000	0.00	0.03	0.020	O	|	|	|	|	0.07
126.917	0.00	0.05	0.036	O	|	|	|	|	0.13	132.083	0.00	0.03	0.020	O	|	|	|	|	0.07
127.000	0.00	0.05	0.036	O	|	|	|	|	0.13	132.167	0.00	0.03	0.020	O	|	|	|	|	0.07
127.083	0.00	0.05	0.036	O	|	|	|	|	0.13	132.250	0.00	0.03	0.019	O	|	|	|	|	0.07
127.167	0.00	0.05	0.035	O	|	|	|	|	0.13	132.333	0.00	0.03	0.019	O	|	|	|	|	0.07
127.250	0.00	0.05	0.035	O	|	|	|	|	0.13	132.417	0.00	0.03	0.019	O	|	|	|	|	0.07
127.333	0.00	0.05	0.035	O	|	|	|	|	0.12	132.500	0.00	0.03	0.019	O	|	|	|	|	0.07
127.417	0.00	0.05	0.034	O	|	|	|	|	0.12	132.583	0.00	0.03	0.019	O	|	|	|	|	0.07
127.500	0.00	0.05	0.034	O	|	|	|	|	0.12	132.667	0.00	0.03	0.018	O	|	|	|	|	0.07
127.583	0.00	0.05	0.034	O	|	|	|	|	0.12	132.750	0.00	0.03	0.018	O	|	|	|	|	0.07
127.667	0.00	0.05	0.033	O	|	|	|	|	0.12	132.833	0.00	0.03	0.018	O	|	|	|	|	0.06
127.750	0.00	0.05	0.033	O	|	|	|	|	0.12	132.917	0.00	0.03	0.018	O	|	|	|	|	0.06
127.833	0.00	0.05	0.033	O	|	|	|	|	0.12	133.000	0.00	0.03	0.018	O	|	|	|	|	0.06
127.917	0.00	0.05	0.032	O	|	|	|	|	0.12	133.083	0.00	0.03	0.018	O	|	|	|	|	0.06
128.000	0.00	0.05	0.032	O	|	|	|	|	0.11	133.167	0.00	0.02	0.017	O	|	|	|	|	0.06
128.083	0.00	0.05	0.032	O	|	|	|	|	0.11	133.250	0.00	0.02	0.017	O	|	|	|	|	0.06
128.167	0.00	0.05	0.031	O	|	|	|	|	0.11	133.333	0.00	0.02	0.017	O	|	|	|	|	0.06
128.250	0.00	0.04	0.031	O	|	|	|	|	0.11	133.417	0.00	0.02	0.017	O	|	|	|	|	0.06
128.333	0.00	0.04	0.031	O	|	|	|	|	0.11	133.500	0.00	0.02	0.017	O	|	|	|	|	0.06
128.417	0.00	0.04	0.031	O	|	|	|	|	0.11	133.583	0.00	0.02	0.017	O	|	|	|	|	0.06
128.500	0.00	0.04	0.030	O	|	|	|	|	0.11	133.667	0.00	0.02	0.016	O	|	|	|	|	0.06
128.583	0.00	0.04	0.030	O	|	|	|	|	0.11	133.750	0.00	0.02	0.016	O	|	|	|	|	0.06
128.667	0.00	0.04	0.030	O	|	|	|	|	0.11	133.833	0.00	0.02	0.016	O	|	|	|	|	0.06
128.750	0.00	0.04	0.029	O	|	|	|	|	0.11	133.917	0.00	0.02	0.016	O	|	|	|	|	0.06
128.833	0.00	0.04	0.029	O	|	|	|	|	0.10	134.000	0.00	0.02	0.016	O	|	|	|	|	0.06
128.917	0.00	0.04	0.029	O	|	|	|	|	0.10	134.083	0.00	0.02	0.016	O	|	|	|	|	0.06
129.000	0.00	0.04	0.028	O	|	|	|	|	0.10	134.167	0.00	0.02	0.015	O	|	|	|	|	0.06
129.083	0.00	0.04	0.028	O	|	|	|	|	0.10	134.250	0.00	0.02	0.015	O	|	|	|	|	0.05
129.167	0.00	0.04	0.028	O	|	|	|	|	0.10	134.333	0.00	0.02	0.015	O	|	|	|	|	0.05
129.250	0.00	0.04	0.028	O	|	|	|	|	0.10	134.417	0.00	0.02	0.015	O	|	|	|	|	0.05
129.333	0.00	0.04	0.027	O	|	|	|	|	0.10	134.500	0.00	0.02	0.015	O	|	|	|	|	0.05
129.417	0.00	0.04	0.027	O	|	|	|	|	0.10	134.583	0.00	0.02	0.015	O	|	|	|	|	0.05
129.500	0.00	0.04	0.027	O	|	|	|	|	0.10	134.667	0.00	0.02	0.015	O	|	|	|	|	0.05
129.583	0.00	0.04	0.027	O	|	|	|	|	0.10	134.750	0.00	0.02	0.014	O	|	|	|	|	0.05
129.667	0.00	0.04	0.026	O	|	|	|	|	0.09	134.833	0.00	0.02	0.014	O	|	|	|	|	0.05
129.750	0.00	0.04	0.026	O	|	|	|	|	0.09	134.917	0.00	0.02	0.014	O	|	|	|	|	0.05
129.833	0.00	0.04	0.026	O	|	|	|	|	0.09	135.000	0.00	0.02	0.014	O	|	|	|	|	0.05
129.917	0.00	0.04	0.026	O	|	|	|	|	0.09	135.083	0.00	0.02	0.014	O	|	|	|	|	0.05
130.000	0.00	0.04	0.025	O	|	|	|	|	0.09	135.167	0.00	0.02	0.014	O	|	|	|	|	0.05
130.083	0.00	0.04	0.025	O	|	|	|	|	0.09	135.250	0.00	0.02	0.014	O	|	|	|	|	0.05
130.167	0.00	0.04	0.025	O	|	|	|	|	0.09	135.333	0.00	0.02	0.013	O	|	|	|	|	0.05
130.250	0.00	0.04	0.025	O	|	|	|	|	0.09	135.417	0.00	0.02	0.013	O	|	|	|	|	0.05
130.333	0.00	0.03	0.024	O	|	|	|	|	0.09	135.500	0.00	0.02	0.013	O	|	|	|	|	0.05
130.417	0.00	0.03	0.024	O	|	|	|	|	0.09	135.583	0.00	0.02	0.013	O	|	|	|	|	0.05
130.500	0.00	0.03	0.024	O	|	|	|	|	0.09	135.667	0.00	0.02	0.013	O	|	|	|	|	0.05
130.583	0.00	0.03	0.024	O	|	|	|	|	0.08	135.750	0.00	0.02	0.013	O	|	|	|	|	0.05
130.667	0.00	0.03	0.023	O	|	|	|	|	0.08	135.833	0.00	0.02	0.013	O	|	|	|	|	0.05
130.750	0.00	0.03	0.023	O	|	|	|	|	0.08	135.917	0.00	0.02	0.013	O	|	|	|	|	0.04

136.000	0.00	0.02	0.012	O	|	|	|	|	0.04	141.167	0.00	0.01	0.007	O	|	|	|	|	0.02
136.083	0.00	0.02	0.012	O	|	|	|	|	0.04	141.250	0.00	0.01	0.007	O	|	|	|	|	0.02
136.167	0.00	0.02	0.012	O	|	|	|	|	0.04	141.333	0.00	0.01	0.007	O	|	|	|	|	0.02
136.250	0.00	0.02	0.012	O	|	|	|	|	0.04	141.417	0.00	0.01	0.007	O	|	|	|	|	0.02
136.333	0.00	0.02	0.012	O	|	|	|	|	0.04	141.500	0.00	0.01	0.006	O	|	|	|	|	0.02
136.417	0.00	0.02	0.012	O	|	|	|	|	0.04	141.583	0.00	0.01	0.006	O	|	|	|	|	0.02
136.500	0.00	0.02	0.012	O	|	|	|	|	0.04	141.667	0.00	0.01	0.006	O	|	|	|	|	0.02
136.583	0.00	0.02	0.012	O	|	|	|	|	0.04	141.750	0.00	0.01	0.006	O	|	|	|	|	0.02
136.667	0.00	0.02	0.011	O	|	|	|	|	0.04	141.833	0.00	0.01	0.006	O	|	|	|	|	0.02
136.750	0.00	0.02	0.011	O	|	|	|	|	0.04	141.917	0.00	0.01	0.006	O	|	|	|	|	0.02
136.833	0.00	0.02	0.011	O	|	|	|	|	0.04	142.000	0.00	0.01	0.006	O	|	|	|	|	0.02
136.917	0.00	0.02	0.011	O	|	|	|	|	0.04	142.083	0.00	0.01	0.006	O	|	|	|	|	0.02
137.000	0.00	0.02	0.011	O	|	|	|	|	0.04	142.167	0.00	0.01	0.006	O	|	|	|	|	0.02
137.083	0.00	0.02	0.011	O	|	|	|	|	0.04	142.250	0.00	0.01	0.006	O	|	|	|	|	0.02
137.167	0.00	0.02	0.011	O	|	|	|	|	0.04	142.333	0.00	0.01	0.006	O	|	|	|	|	0.02
137.250	0.00	0.02	0.011	O	|	|	|	|	0.04	142.417	0.00	0.01	0.006	O	|	|	|	|	0.02
137.333	0.00	0.02	0.011	O	|	|	|	|	0.04	142.500	0.00	0.01	0.006	O	|	|	|	|	0.02
137.417	0.00	0.02	0.011	O	|	|	|	|	0.04	142.583	0.00	0.01	0.006	O	|	|	|	|	0.02
137.500	0.00	0.01	0.010	O	|	|	|	|	0.04	142.667	0.00	0.01	0.006	O	|	|	|	|	0.02
137.583	0.00	0.01	0.010	O	|	|	|	|	0.04	142.750	0.00	0.01	0.006	O	|	|	|	|	0.02
137.667	0.00	0.01	0.010	O	|	|	|	|	0.04	142.833	0.00	0.01	0.006	O	|	|	|	|	0.02
137.750	0.00	0.01	0.010	O	|	|	|	|	0.04	142.917	0.00	0.01	0.005	O	|	|	|	|	0.02
137.833	0.00	0.01	0.010	O	|	|	|	|	0.04	143.000	0.00	0.01	0.005	O	|	|	|	|	0.02
137.917	0.00	0.01	0.010	O	|	|	|	|	0.04	143.083	0.00	0.01	0.005	O	|	|	|	|	0.02
138.000	0.00	0.01	0.010	O	|	|	|	|	0.04	143.167	0.00	0.01	0.005	O	|	|	|	|	0.02
138.083	0.00	0.01	0.010	O	|	|	|	|	0.03	143.250	0.00	0.01	0.005	O	|	|	|	|	0.02
138.167	0.00	0.01	0.010	O	|	|	|	|	0.03	143.333	0.00	0.01	0.005	O	|	|	|	|	0.02
138.250	0.00	0.01	0.010	O	|	|	|	|	0.03	143.417	0.00	0.01	0.005	O	|	|	|	|	0.02
138.333	0.00	0.01	0.009	O	|	|	|	|	0.03	143.500	0.00	0.01	0.005	O	|	|	|	|	0.02
138.417	0.00	0.01	0.009	O	|	|	|	|	0.03	143.583	0.00	0.01	0.005	O	|	|	|	|	0.02
138.500	0.00	0.01	0.009	O	|	|	|	|	0.03	143.667	0.00	0.01	0.005	O	|	|	|	|	0.02
138.583	0.00	0.01	0.009	O	|	|	|	|	0.03	143.750	0.00	0.01	0.005	O	|	|	|	|	0.02
138.667	0.00	0.01	0.009	O	|	|	|	|	0.03	143.833	0.00	0.01	0.005	O	|	|	|	|	0.02
138.750	0.00	0.01	0.009	O	|	|	|	|	0.03	143.917	0.00	0.01	0.005	O	|	|	|	|	0.02
138.833	0.00	0.01	0.009	O	|	|	|	|	0.03	144.000	0.00	0.01	0.005	O	|	|	|	|	0.02
138.917	0.00	0.01	0.009	O	|	|	|	|	0.03	144.083	0.00	0.01	0.005	O	|	|	|	|	0.02
139.000	0.00	0.01	0.009	O	|	|	|	|	0.03	144.167	0.00	0.01	0.005	O	|	|	|	|	0.02
139.083	0.00	0.01	0.009	O	|	|	|	|	0.03	144.250	0.00	0.01	0.005	O	|	|	|	|	0.02
139.167	0.00	0.01	0.009	O	|	|	|	|	0.03	144.333	0.00	0.01	0.005	O	|	|	|	|	0.02
139.250	0.00	0.01	0.008	O	|	|	|	|	0.03	144.417	0.00	0.01	0.005	O	|	|	|	|	0.02
139.333	0.00	0.01	0.008	O	|	|	|	|	0.03	144.500	0.00	0.01	0.005	O	|	|	|	|	0.02
139.417	0.00	0.01	0.008	O	|	|	|	|	0.03	144.583	0.00	0.01	0.004	O	|	|	|	|	0.02
139.500	0.00	0.01	0.008	O	|	|	|	|	0.03	144.667	0.00	0.01	0.004	O	|	|	|	|	0.02
139.583	0.00	0.01	0.008	O	|	|	|	|	0.03	144.750	0.00	0.01	0.004	O	|	|	|	|	0.02
139.667	0.00	0.01	0.008	O	|	|	|	|	0.03	144.833	0.00	0.01	0.004	O	|	|	|	|	0.02
139.750	0.00	0.01	0.008	O	|	|	|	|	0.03	144.917	0.00	0.01	0.004	O	|	|	|	|	0.02
139.833	0.00	0.01	0.008	O	|	|	|	|	0.03	145.000	0.00	0.01	0.004	O	|	|	|	|	0.02
139.917	0.00	0.01	0.008	O	|	|	|	|	0.03	145.083	0.00	0.01	0.004	O	|	|	|	|	0.02
140.000	0.00	0.01	0.008	O	|	|	|	|	0.03	145.167	0.00	0.01	0.004	O	|	|	|	|	0.02
140.083	0.00	0.01	0.008	O	|	|	|	|	0.03	145.250	0.00	0.01	0.004	O	|	|	|	|	0.01
140.167	0.00	0.01	0.008	O	|	|	|	|	0.03	145.333	0.00	0.01	0.004	O	|	|	|	|	0.01
140.250	0.00	0.01	0.008	O	|	|	|	|	0.03	145.417	0.00	0.01	0.004	O	|	|	|	|	0.01
140.333	0.00	0.01	0.007	O	|	|	|	|	0.03	145.500	0.00	0.01	0.004	O	|	|	|	|	0.01
140.417	0.00	0.01	0.007	O	|	|	|	|	0.03	145.583	0.00	0.01	0.004	O	|	|	|	|	0.01
140.500	0.00	0.01	0.007	O	|	|	|	|	0.03	145.667	0.00	0.01	0.004	O	|	|	|	|	0.01
140.583	0.00	0.01	0.007	O	|	|	|	|	0.03	145.750	0.00	0.01	0.004	O	|	|	|	|	0.01
140.667	0.00	0.01	0.007	O	|	|	|	|	0.03	145.833	0.00	0.01	0.004	O	|	|	|	|	0.01
140.750	0.00	0.01	0.007	O	|	|	|	|	0.03	145.917	0.00	0.01	0.004	O	|	|	|	|	0.01
140.833	0.00	0.01	0.007	O	|	|	|	|	0.03	146.000	0.00	0.01	0.004	O	|	|	|	|	0.01
140.917	0.00	0.01	0.007	O	|	|	|	|	0.02	146.083	0.00	0.01	0.004	O	|	|	|	|	0.01
141.000	0.00	0.01	0.007	O	|	|	|	|	0.02	146.167	0.00	0.01	0.004	O	|	|	|	|	0.01
141.083	0.00	0.01	0.007	O	|	|	|	|	0.02	146.250	0.00	0.01	0.004	O	|	|	|	|	0.01

146.333	0.00	0.01	0.004	O	|	|	|	|	0.01	151.500	0.00	0.00	0.002	O	|	|	|	|	0.01
146.417	0.00	0.01	0.004	O	|	|	|	|	0.01	151.583	0.00	0.00	0.002	O	|	|	|	|	0.01
146.500	0.00	0.01	0.004	O	|	|	|	|	0.01	151.667	0.00	0.00	0.002	O	|	|	|	|	0.01
146.583	0.00	0.01	0.004	O	|	|	|	|	0.01	151.750	0.00	0.00	0.002	O	|	|	|	|	0.01
146.667	0.00	0.01	0.004	O	|	|	|	|	0.01	151.833	0.00	0.00	0.002	O	|	|	|	|	0.01
146.750	0.00	0.00	0.003	O	|	|	|	|	0.01	151.917	0.00	0.00	0.002	O	|	|	|	|	0.01
146.833	0.00	0.00	0.003	O	|	|	|	|	0.01	152.000	0.00	0.00	0.002	O	|	|	|	|	0.01
146.917	0.00	0.00	0.003	O	|	|	|	|	0.01	152.083	0.00	0.00	0.002	O	|	|	|	|	0.01
147.000	0.00	0.00	0.003	O	|	|	|	|	0.01	152.167	0.00	0.00	0.002	O	|	|	|	|	0.01
147.083	0.00	0.00	0.003	O	|	|	|	|	0.01	152.250	0.00	0.00	0.002	O	|	|	|	|	0.01
147.167	0.00	0.00	0.003	O	|	|	|	|	0.01	152.333	0.00	0.00	0.002	O	|	|	|	|	0.01
147.250	0.00	0.00	0.003	O	|	|	|	|	0.01	152.417	0.00	0.00	0.002	O	|	|	|	|	0.01
147.333	0.00	0.00	0.003	O	|	|	|	|	0.01	152.500	0.00	0.00	0.002	O	|	|	|	|	0.01
147.417	0.00	0.00	0.003	O	|	|	|	|	0.01	152.583	0.00	0.00	0.002	O	|	|	|	|	0.01
147.500	0.00	0.00	0.003	O	|	|	|	|	0.01	152.667	0.00	0.00	0.002	O	|	|	|	|	0.01
147.583	0.00	0.00	0.003	O	|	|	|	|	0.01	152.750	0.00	0.00	0.002	O	|	|	|	|	0.01
147.667	0.00	0.00	0.003	O	|	|	|	|	0.01	152.833	0.00	0.00	0.002	O	|	|	|	|	0.01
147.750	0.00	0.00	0.003	O	|	|	|	|	0.01	152.917	0.00	0.00	0.002	O	|	|	|	|	0.01
147.833	0.00	0.00	0.003	O	|	|	|	|	0.01	153.000	0.00	0.00	0.002	O	|	|	|	|	0.01
147.917	0.00	0.00	0.003	O	|	|	|	|	0.01	153.083	0.00	0.00	0.002	O	|	|	|	|	0.01
148.000	0.00	0.00	0.003	O	|	|	|	|	0.01	153.167	0.00	0.00	0.002	O	|	|	|	|	0.01
148.083	0.00	0.00	0.003	O	|	|	|	|	0.01	153.250	0.00	0.00	0.002	O	|	|	|	|	0.01
148.167	0.00	0.00	0.003	O	|	|	|	|	0.01	153.333	0.00	0.00	0.002	O	|	|	|	|	0.01
148.250	0.00	0.00	0.003	O	|	|	|	|	0.01	153.417	0.00	0.00	0.002	O	|	|	|	|	0.01
148.333	0.00	0.00	0.003	O	|	|	|	|	0.01	153.500	0.00	0.00	0.002	O	|	|	|	|	0.01
148.417	0.00	0.00	0.003	O	|	|	|	|	0.01	153.583	0.00	0.00	0.002	O	|	|	|	|	0.01
148.500	0.00	0.00	0.003	O	|	|	|	|	0.01	153.667	0.00	0.00	0.002	O	|	|	|	|	0.01
148.583	0.00	0.00	0.003	O	|	|	|	|	0.01	153.750	0.00	0.00	0.002	O	|	|	|	|	0.01
148.667	0.00	0.00	0.003	O	|	|	|	|	0.01	153.833	0.00	0.00	0.002	O	|	|	|	|	0.01
148.750	0.00	0.00	0.003	O	|	|	|	|	0.01	153.917	0.00	0.00	0.001	O	|	|	|	|	0.01
148.833	0.00	0.00	0.003	O	|	|	|	|	0.01	154.000	0.00	0.00	0.001	O	|	|	|	|	0.01
148.917	0.00	0.00	0.003	O	|	|	|	|	0.01	154.083	0.00	0.00	0.001	O	|	|	|	|	0.01
149.000	0.00	0.00	0.003	O	|	|	|	|	0.01	154.167	0.00	0.00	0.001	O	|	|	|	|	0.01
149.083	0.00	0.00	0.003	O	|	|	|	|	0.01	154.250	0.00	0.00	0.001	O	|	|	|	|	0.01
149.167	0.00	0.00	0.003	O	|	|	|	|	0.01	154.333	0.00	0.00	0.001	O	|	|	|	|	0.01
149.250	0.00	0.00	0.003	O	|	|	|	|	0.01	154.417	0.00	0.00	0.001	O	|	|	|	|	0.01
149.333	0.00	0.00	0.003	O	|	|	|	|	0.01	154.500	0.00	0.00	0.001	O	|	|	|	|	0.00
149.417	0.00	0.00	0.003	O	|	|	|	|	0.01	154.583	0.00	0.00	0.001	O	|	|	|	|	0.00
149.500	0.00	0.00	0.003	O	|	|	|	|	0.01	154.667	0.00	0.00	0.001	O	|	|	|	|	0.00
149.583	0.00	0.00	0.002	O	|	|	|	|	0.01	154.750	0.00	0.00	0.001	O	|	|	|	|	0.00
149.667	0.00	0.00	0.002	O	|	|	|	|	0.01	154.833	0.00	0.00	0.001	O	|	|	|	|	0.00
149.750	0.00	0.00	0.002	O	|	|	|	|	0.01	154.917	0.00	0.00	0.001	O	|	|	|	|	0.00
149.833	0.00	0.00	0.002	O	|	|	|	|	0.01	155.000	0.00	0.00	0.001	O	|	|	|	|	0.00
149.917	0.00	0.00	0.002	O	|	|	|	|	0.01	155.083	0.00	0.00	0.001	O	|	|	|	|	0.00
150.000	0.00	0.00	0.002	O	|	|	|	|	0.01	155.167	0.00	0.00	0.001	O	|	|	|	|	0.00
150.083	0.00	0.00	0.002	O	|	|	|	|	0.01	155.250	0.00	0.00	0.001	O	|	|	|	|	0.00
150.167	0.00	0.00	0.002	O	|	|	|	|	0.01	155.333	0.00	0.00	0.001	O	|	|	|	|	0.00
150.250	0.00	0.00	0.002	O	|	|	|	|	0.01	155.417	0.00	0.00	0.001	O	|	|	|	|	0.00
150.333	0.00	0.00	0.002	O	|	|	|	|	0.01	155.500	0.00	0.00	0.001	O	|	|	|	|	0.00
150.417	0.00	0.00	0.002	O	|	|	|	|	0.01	155.583	0.00	0.00	0.001	O	|	|	|	|	0.00
150.500	0.00	0.00	0.002	O	|	|	|	|	0.01	155.667	0.00	0.00	0.001	O	|	|	|	|	0.00
150.583	0.00	0.00	0.002	O	|	|	|	|	0.01	155.750	0.00	0.00	0.001	O	|	|	|	|	0.00
150.667	0.00	0.00	0.002	O	|	|	|	|	0.01	155.833	0.00	0.00	0.001	O	|	|	|	|	0.00
150.750	0.00	0.00	0.002	O	|	|	|	|	0.01	155.917	0.00	0.00	0.001	O	|	|	|	|	0.00
150.833	0.00	0.00	0.002	O	|	|	|	|	0.01	156.000	0.00	0.00	0.001	O	|	|	|	|	0.00
150.917	0.00	0.00	0.002	O	|	|	|	|	0.01	156.083	0.00	0.00	0.001	O	|	|	|	|	0.00
151.000	0.00	0.00	0.002	O	|	|	|	|	0.01	156.167	0.00	0.00	0.001	O	|	|	|	|	0.00
151.083	0.00	0.00	0.002	O	|	|	|	|	0.01	156.250	0.00	0.00	0.001	O	|	|	|	|	0.00
151.167	0.00	0.00	0.002	O	|	|	|	|	0.01	156.333	0.00	0.00	0.001	O	|	|	|	|	0.00
151.250	0.00	0.00	0.002	O	|	|	|	|	0.01	156.417	0.00	0.00	0.001	O	|	|	|	|	0.00
151.333	0.00	0.00	0.002	O	|	|	|	|	0.01	156.500	0.00	0.00	0.001	O	|	|	|	|	0.00
151.417	0.00	0.00	0.002	O	|	|	|	|	0.01	156.583	0.00	0.00	0.001	O	|	|	|	|	0.00

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156.667    0.00    0.00      0.001  O       |       |       |       |     0.00
156.750    0.00    0.00      0.001  O       |       |       |       |     0.00
156.833    0.00    0.00      0.001  O       |       |       |       |     0.00
156.917    0.00    0.00      0.001  O       |       |       |       |     0.00
157.000    0.00    0.00      0.001  O       |       |       |       |     0.00
157.083    0.00    0.00      0.001  O       |       |       |       |     0.00
157.167    0.00    0.00      0.001  O       |       |       |       |     0.00
157.250    0.00    0.00      0.001  O       |       |       |       |     0.00
157.333    0.00    0.00      0.001  O       |       |       |       |     0.00
157.417    0.00    0.00      0.001  O       |       |       |       |     0.00
157.500    0.00    0.00      0.001  O       |       |       |       |     0.00
157.583    0.00    0.00      0.001  O       |       |       |       |     0.00
157.667    0.00    0.00      0.001  O       |       |       |       |     0.00
157.750    0.00    0.00      0.001  O       |       |       |       |     0.00
157.833    0.00    0.00      0.001  O       |       |       |       |     0.00
157.917    0.00    0.00      0.001  O       |       |       |       |     0.00
158.000    0.00    0.00      0.001  O       |       |       |       |     0.00
158.083    0.00    0.00      0.001  O       |       |       |       |     0.00
158.167    0.00    0.00      0.001  O       |       |       |       |     0.00
158.250    0.00    0.00      0.001  O       |       |       |       |     0.00
158.333    0.00    0.00      0.001  O       |       |       |       |     0.00
158.417    0.00    0.00      0.001  O       |       |       |       |     0.00
158.500    0.00    0.00      0.001  O       |       |       |       |     0.00
158.583    0.00    0.00      0.001  O       |       |       |       |     0.00
158.667    0.00    0.00      0.001  O       |       |       |       |     0.00
158.750    0.00    0.00      0.001  O       |       |       |       |     0.00
158.833    0.00    0.00      0.001  O       |       |       |       |     0.00
158.917    0.00    0.00      0.001  O       |       |       |       |     0.00
159.000    0.00    0.00      0.001  O       |       |       |       |     0.00
159.083    0.00    0.00      0.001  O       |       |       |       |     0.00
159.167    0.00    0.00      0.001  O       |       |       |       |     0.00
159.250    0.00    0.00      0.001  O       |       |       |       |     0.00
159.333    0.00    0.00      0.001  O       |       |       |       |     0.00
159.417    0.00    0.00      0.001  O       |       |       |       |     0.00
159.500    0.00    0.00      0.001  O       |       |       |       |     0.00
159.583    0.00    0.00      0.001  O       |       |       |       |     0.00
159.667    0.00    0.00      0.001  O       |       |       |       |     0.00
159.750    0.00    0.00      0.001  O       |       |       |       |     0.00
159.833    0.00    0.00      0.001  O       |       |       |       |     0.00
159.917    0.00    0.00      0.001  O       |       |       |       |     0.00
160.000    0.00    0.00      0.001  O       |       |       |       |     0.00
160.083    0.00    0.00      0.001  O       |       |       |       |     0.00
160.167    0.00    0.00      0.001  O       |       |       |       |     0.00
160.250    0.00    0.00      0.001  O       |       |       |       |     0.00
160.333    0.00    0.00      0.001  O       |       |       |       |     0.00

*****************************HYDROGRAPH DATA*****************************
                Number of intervals =  1924
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       12.185 (CFS)
                Total volume =      15.254 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000   287.291     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000    43.007     0.000     0.000
*************************************************************************

-------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.700 to Point/Station        5.700

      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ---------------------------------------------------------------------
      From stored stream number 3 the total
      volume of      43.01 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

      ---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       74.8     149.6     224.3     299.1
---------------------------------------------------------------------------
  0+ 5       0.3039      0.31  Q         |         |         |         |
  0+10       1.5664      1.63  Q         |         |         |         |
  0+15       3.9039      4.10  Q         |         |         |         |
  0+20       5.6832      6.05  Q         |         |         |         |
  0+25       7.4486      7.90  qQ        |         |         |         |
  0+30      10.8812     11.41  |Q        |         |         |         |
  0+35      14.8865     15.51  |qQ       |         |         |         |
  0+40      17.1017     17.82  | Q       |         |         |         |
  0+45      19.6926     20.46  | Q       |         |         |         |
  0+50      22.8108     23.63  |  Q      |         |         |         |
  0+55      26.2486     27.13  |  Q      |         |         |         |
  1+ 0      29.0111     29.94  |  qQ     |         |         |         |
  1+ 5      30.9586     31.93  |   Q     |         |         |         |
  1+10      35.0082     36.02  |   Q     |         |         |         |
  1+15      36.3739     37.43  |   qQ    |         |         |         |
  1+20      38.0753     39.18  |    Q    |         |         |         |
  1+25      43.6711     44.81  |    Q    |         |         |         |
  1+30      51.9428     53.12  |     qQ  |         |         |         |
  1+35      59.6111     60.82  |     qQ  |         |         |         |
  1+40      64.3269     65.58  |      Q  |         |         |         |
  1+45      69.0705     70.36  |      Q| |         |         |         |
  1+50      76.7682     78.09  |       Q |         |         |         |
  1+55      86.8127     88.18  |       |Q|         |         |         |
  2+ 0      92.3337     93.74  |       | Q|        |         |         |
  2+ 5      98.2757     99.71  |       |  Q|       |         |         |
  2+10     109.3600    110.83  |       |   Q       |         |         |
  2+15     120.1329    121.63  |       |     Q     |         |         |
  2+20     126.0029    127.54  |       |     qQ    |         |         |
  2+25     134.8551    136.43  |       |       Q   |         |         |
  2+30     151.6776    153.29  |       |         Q |         |         |
  2+35     177.8553    182.78  |       |           |  qQ     |         |
  2+40     209.2181    217.06  |       |           |     q Q|          |
  2+45     228.4736    238.12  |       |           |       qQ          |
  2+50     249.7052    260.51  |       |           |         |  qQ     |
  2+55     281.6506    293.08  |       |           |         |     q Q|
  3+ 0     287.2906    299.12  |       |           |         |      q Q
  3+ 5     264.7490    276.83  |       |           |         |    q Q  |
  3+10     207.1981    219.37  |       |           |       q Q|        |
  3+15     154.4282    166.61  |       |           |     q Q |         |
  3+20     128.0670    140.22  |       |         qQ|         |         |
  3+25     107.3472    119.45  |       |       qQ |         |         |
  3+30      88.9512    100.98  |       |      |q Q         |         |
  3+35      75.6381     87.58  |       |     qQ  |         |         |
  3+40      65.6533     77.51  |       |    q Q  |         |         |
  3+45      57.3723     69.13  |       |   q Q|  |         |         |
  3+50      50.3055     61.98  |       |  q Q |  |         |         |
  3+55      44.2450     55.82  |       | q Q  |  |         |         |
```

4+ 0	38.9706	50.46	| qQ	|	|	|	|	9+10	10.7930	15.49	|qQ	|	|	|	|
4+ 5	34.1839	45.58	| q Q	|	|	|	|	9+15	10.7485	15.30	|qQ	|	|	|	|
4+10	29.8717	41.18	| q Q	|	|	|	|	9+20	10.7044	15.13	|qQ	|	|	|	|
4+15	25.9927	37.21	| qQ	|	|	|	|	9+25	10.6605	14.95	|Q	|	|	|	|
4+20	22.6653	33.79	| qQ	|	|	|	|	9+30	10.6170	14.78	|Q	|	|	|	|
4+25	19.8659	30.91	| q Q	|	|	|	|	9+35	10.5739	14.62	|Q	|	|	|	|
4+30	17.4439	28.40	| qQ	|	|	|	|	9+40	10.5310	14.46	|Q	|	|	|	|
4+35	15.7417	26.61	| qQ	|	|	|	|	9+45	10.4883	14.30	|Q	|	|	|	|
4+40	14.6093	25.39	|q Q	|	|	|	|	9+50	10.4459	14.14	|Q	|	|	|	|
4+45	14.0414	24.74	|q Q	|	|	|	|	9+55	10.4036	13.99	|Q	|	|	|	|
4+50	13.8982	24.51	|q Q	|	|	|	|	10+ 0	10.3611	13.84	|Q	|	|	|	|
4+55	13.8034	24.33	|q Q	|	|	|	|	10+ 5	10.3185	13.70	|Q	|	|	|	|
5+ 0	13.7131	24.13	|q Q	|	|	|	|	10+10	10.2758	13.56	|Q	|	|	|	|
5+ 5	13.6612	23.97	|q Q	|	|	|	|	10+15	10.2330	13.42	|Q	|	|	|	|
5+10	13.6074	23.82	|q Q	|	|	|	|	10+20	10.1903	13.28	|Q	|	|	|	|
5+15	13.6656	23.77	|q Q	|	|	|	|	10+25	10.1474	13.15	|Q	|	|	|	|
5+20	13.8278	23.84	|q Q	|	|	|	|	10+30	10.1046	13.02	|Q	|	|	|	|
5+25	13.9291	23.84	|q Q	|	|	|	|	10+35	10.0617	12.89	|Q	|	|	|	|
5+30	13.8187	23.63	|q Q	|	|	|	|	10+40	10.0189	12.76	|Q	|	|	|	|
5+35	13.6110	23.32	|q Q	|	|	|	|	10+45	9.9761	12.64	|Q	|	|	|	|
5+40	13.3783	22.99	|q Q	|	|	|	|	10+50	9.9333	12.52	|Q	|	|	|	|
5+45	13.1848	22.70	|q Q	|	|	|	|	10+55	9.8905	12.40	|Q	|	|	|	|
5+50	13.0604	22.49	|q Q	|	|	|	|	11+ 0	9.8478	12.28	|Q	|	|	|	|
5+55	12.9174	22.25	|qQ	|	|	|	|	11+ 5	9.8052	12.17	|Q	|	|	|	|
6+ 0	12.7788	22.02	|qQ	|	|	|	|	11+10	9.7624	12.06	|Q	|	|	|	|
6+ 5	12.6780	21.82	|qQ	|	|	|	|	11+15	9.7191	11.95	|Q	|	|	|	|
6+10	12.5733	21.63	|qQ	|	|	|	|	11+20	9.6754	11.84	|Q	|	|	|	|
6+15	12.5261	21.49	|qQ	|	|	|	|	11+25	9.6312	11.73	|Q	|	|	|	|
6+20	12.5303	21.41	|qQ	|	|	|	|	11+30	9.5865	11.62	|Q	|	|	|	|
6+25	12.5241	21.31	|qQ	|	|	|	|	11+35	9.5415	11.52	|Q	|	|	|	|
6+30	12.5087	21.18	|qQ	|	|	|	|	11+40	9.4962	11.42	|Q	|	|	|	|
6+35	12.4889	21.04	|qQ	|	|	|	|	11+45	9.4505	11.31	|Q	|	|	|	|
6+40	12.4592	20.89	|qQ	|	|	|	|	11+50	9.4047	11.21	|Q	|	|	|	|
6+45	12.4187	20.73	|qQ	|	|	|	|	11+55	9.3586	11.11	|Q	|	|	|	|
6+50	12.3684	20.56	|qQ	|	|	|	|	12+ 0	9.3123	11.02	|Q	|	|	|	|
6+55	12.3090	20.39	|qQ	|	|	|	|	12+ 5	9.2658	10.92	|Q	|	|	|	|
7+ 0	12.2413	20.20	|qQ	|	|	|	|	12+10	9.2193	10.84	|Q	|	|	|	|
7+ 5	12.1682	20.02	|qQ	|	|	|	|	12+15	9.1726	10.79	|Q	|	|	|	|
7+10	12.0946	19.83	|qQ	|	|	|	|	12+20	9.1258	10.74	|Q	|	|	|	|
7+15	12.0232	19.65	|qQ	|	|	|	|	12+25	9.0787	10.70	|Q	|	|	|	|
7+20	11.9540	19.47	|qQ	|	|	|	|	12+30	9.0308	10.65	|Q	|	|	|	|
7+25	11.8870	19.30	|qQ	|	|	|	|	12+35	8.9822	10.60	|Q	|	|	|	|
7+30	11.8220	19.13	|qQ	|	|	|	|	12+40	8.9329	10.55	|Q	|	|	|	|
7+35	11.7590	18.96	|qQ	|	|	|	|	12+45	8.8829	10.50	|Q	|	|	|	|
7+40	11.6977	18.80	|qQ	|	|	|	|	12+50	8.8325	10.45	|Q	|	|	|	|
7+45	11.6382	18.64	|qQ	|	|	|	|	12+55	8.7815	10.40	|Q	|	|	|	|
7+50	11.5802	18.48	|qQ	|	|	|	|	13+ 0	8.7301	10.34	|Q	|	|	|	|
7+55	11.5237	18.33	|qQ	|	|	|	|	13+ 5	8.6783	10.29	|Q	|	|	|	|
8+ 0	11.4685	18.18	|qQ	|	|	|	|	13+10	8.6262	10.24	|Q	|	|	|	|
8+ 5	11.4148	18.03	|qQ	|	|	|	|	13+15	8.5739	10.19	|Q	|	|	|	|
8+10	11.3622	17.88	|qQ	|	|	|	|	13+20	8.5213	10.13	|Q	|	|	|	|
8+15	11.3108	17.74	|qQ	|	|	|	|	13+25	8.4685	10.08	|Q	|	|	|	|
8+20	11.2606	17.58	|qQ	|	|	|	|	13+30	8.4155	10.03	|Q	|	|	|	|
8+25	11.2113	17.35	|qQ	|	|	|	|	13+35	8.3620	9.97	|Q	|	|	|	|
8+30	11.1629	17.12	|qQ	|	|	|	|	13+40	8.3073	9.92	|Q	|	|	|	|
8+35	11.1152	16.89	|qQ	|	|	|	|	13+45	8.2511	9.86	|Q	|	|	|	|
8+40	11.0679	16.68	|qQ	|	|	|	|	13+50	8.1936	9.80	|Q	|	|	|	|
8+45	11.0210	16.47	|qQ	|	|	|	|	13+55	8.1348	9.74	|Q	|	|	|	|
8+50	10.9746	16.26	|qQ	|	|	|	|	14+ 0	8.0750	9.68	|Q	|	|	|	|
8+55	10.9286	16.06	|qQ	|	|	|	|	14+ 5	8.0143	9.62	|Q	|	|	|	|
9+ 0	10.8831	15.86	|qQ	|	|	|	|	14+10	7.9526	9.56	|Q	|	|	|	|
9+ 5	10.8378	15.67	|qQ	|	|	|	|	14+15	7.8903	9.50	|Q	|	|	|	|

14+20	7.8273	9.43	|Q				
14+25	7.7637	9.37	|Q				
14+30	7.6996	9.30	|Q				
14+35	7.6352	9.24	|Q				
14+40	7.5704	9.17	|Q				
14+45	7.5049	9.11	|Q				
14+50	7.4379	9.04	qQ				
14+55	7.3696	8.97	qQ				
15+ 0	7.3001	8.90	qQ				
15+ 5	7.2295	8.83	qQ				
15+10	7.1581	8.76	qQ				
15+15	7.0859	8.69	qQ				
15+20	7.0130	8.61	qQ				
15+25	6.9396	8.54	qQ				
15+30	6.8658	8.46	qQ				
15+35	6.7917	8.39	qQ				
15+40	6.7163	8.31	qQ				
15+45	6.6386	8.24	qQ				
15+50	6.5588	8.15	qQ				
15+55	6.4770	8.07	qQ				
16+ 0	6.3935	7.99	qQ				
16+ 5	6.3086	7.90	qQ				
16+10	6.2226	7.82	qQ				
16+15	6.1356	7.73	qQ				
16+20	6.0478	7.64	qQ				
16+25	5.9595	7.55	qQ				
16+30	5.9190	7.51	qQ				
16+35	5.9171	7.51	qQ				
16+40	5.9150	7.51	qQ				
16+45	5.9128	7.50	qQ				
16+50	5.9103	7.50	qQ				
16+55	5.9077	7.50	qQ				
17+ 0	5.9049	7.49	qQ				
17+ 5	5.9019	7.49	qQ				
17+10	5.8988	7.49	qQ				
17+15	5.8955	7.48	qQ				
17+20	5.8921	7.48	qQ				
17+25	5.8522	7.44	Q				
17+30	5.5641	7.15	Q				
17+35	5.2889	6.87	Q				
17+40	5.0411	6.63	Q				
17+45	4.8181	6.40	Q				
17+50	4.6174	6.20	Q				
17+55	4.4366	6.02	Q				
18+ 0	4.2738	5.86	Q				
18+ 5	4.1271	5.71	Q				
18+10	3.9950	5.58	Q				
18+15	3.8758	5.46	Q				
18+20	3.7684	5.35	Q				
18+25	3.6715	5.25	Q				
18+30	3.5841	5.16	Q				
18+35	3.5051	5.08	Q				
18+40	3.4339	5.01	Q				
18+45	3.3694	4.95	Q				
18+50	3.3112	4.89	Q				
18+55	3.2585	4.83	Q				
19+ 0	3.2107	4.79	Q				
19+ 5	3.1675	4.74	Q				
19+10	3.1283	4.70	Q				
19+15	3.0926	4.67	Q				
19+20	3.0603	4.63	Q				
19+25	3.0309	4.60	Q				
19+30	3.0040	4.58	Q				
19+35	2.9796	4.55	Q				
19+40	2.9573	4.53	Q				
19+45	2.9369	4.51	Q				
19+50	2.9182	4.49	Q				
19+55	2.9010	4.47	Q				
20+ 0	2.8852	4.45	Q				
20+ 5	2.8707	4.44	Q				
20+10	2.8573	4.43	Q				
20+15	2.8449	4.41	Q				
20+20	2.8334	4.40	Q				
20+25	2.8227	4.39	Q				
20+30	2.8127	4.38	Q				
20+35	2.8034	4.37	Q				
20+40	2.7947	4.36	Q				
20+45	2.7865	4.35	Q				
20+50	2.7789	4.34	Q				
20+55	2.7716	4.33	Q				
21+ 0	2.7647	4.33	Q				
21+ 5	2.7582	4.32	Q				
21+10	2.7520	4.31	Q				
21+15	2.7460	4.31	Q				
21+20	2.7404	4.30	Q				
21+25	2.7349	4.29	Q				
21+30	2.7297	4.29	Q				
21+35	2.7246	4.28	Q				
21+40	2.7188	4.27	Q				
21+45	2.7130	4.27	Q				
21+50	2.7074	4.26	Q				
21+55	2.7019	4.26	Q				
22+ 0	2.6965	4.25	Q				
22+ 5	2.6913	4.24	Q				
22+10	2.6861	4.24	Q				
22+15	2.6810	4.23	Q				
22+20	2.6760	4.23	Q				
22+25	2.6710	4.22	Q				
22+30	2.6661	4.22	Q				
22+35	2.6613	4.21	Q				
22+40	2.6565	4.20	Q				
22+45	2.6518	4.20	Q				
22+50	2.6471	4.19	Q				
22+55	2.6399	4.19	Q				
23+ 0	2.6355	4.18	Q				
23+ 5	2.6312	4.18	Q				
23+10	2.6268	4.17	Q				
23+15	2.6225	4.17	Q				
23+20	2.6182	4.16	Q				
23+25	2.6139	4.16	Q				
23+30	2.6096	4.15	Q				
23+35	2.6053	4.15	Q				
23+40	2.6010	4.14	Q				
23+45	2.5967	4.14	Q				
23+50	2.5924	4.13	Q				
23+55	2.5881	4.13	Q				
24+ 0	2.5839	4.12	Q				
24+ 5	2.5796	4.12	Q				
24+10	2.5753	4.11	Q				
24+15	2.5711	4.11	Q				
24+20	2.5669	4.10	Q				
24+25	2.5626	4.10	Q				
24+30	2.5584	4.09	Q				
24+35	2.5542	4.09	Q				

24+40	2.5500	4.08	Q					29+50	0.0000	1.49	Q				
24+45	2.5458	4.08	Q					29+55	0.0000	1.49	Q				
24+50	2.5416	4.07	Q					30+ 0	0.0000	1.49	Q				
24+55	2.5374	4.07	Q					30+ 5	0.0000	1.49	Q				
25+ 0	2.5332	4.06	Q					30+10	0.0000	1.49	Q				
25+ 5	0.0000	1.53	Q					30+15	0.0000	1.49	Q				
25+10	0.0000	1.53	Q					30+20	0.0000	1.49	Q				
25+15	0.0000	1.53	Q					30+25	0.0000	1.49	Q				
25+20	0.0000	1.53	Q					30+30	0.0000	1.48	Q				
25+25	0.0000	1.53	Q					30+35	0.0000	1.48	Q				
25+30	0.0000	1.53	Q					30+40	0.0000	1.48	Q				
25+35	0.0000	1.52	Q					30+45	0.0000	1.48	Q				
25+40	0.0000	1.52	Q					30+50	0.0000	1.48	Q				
25+45	0.0000	1.52	Q					30+55	0.0000	1.48	Q				
25+50	0.0000	1.52	Q					31+ 0	0.0000	1.48	Q				
25+55	0.0000	1.52	Q					31+ 5	0.0000	1.48	Q				
26+ 0	0.0000	1.52	Q					31+10	0.0000	1.48	Q				
26+ 5	0.0000	1.52	Q					31+15	0.0000	1.48	Q				
26+10	0.0000	1.52	Q					31+20	0.0000	1.48	Q				
26+15	0.0000	1.52	Q					31+25	0.0000	1.48	Q				
26+20	0.0000	1.52	Q					31+30	0.0000	1.48	Q				
26+25	0.0000	1.52	Q					31+35	0.0000	1.48	Q				
26+30	0.0000	1.52	Q					31+40	0.0000	1.48	Q				
26+35	0.0000	1.52	Q					31+45	0.0000	1.47	Q				
26+40	0.0000	1.52	Q					31+50	0.0000	1.47	Q				
26+45	0.0000	1.52	Q					31+55	0.0000	1.47	Q				
26+50	0.0000	1.51	Q					32+ 0	0.0000	1.47	Q				
26+55	0.0000	1.51	Q					32+ 5	0.0000	1.47	Q				
27+ 0	0.0000	1.51	Q					32+10	0.0000	1.47	Q				
27+ 5	0.0000	1.51	Q					32+15	0.0000	1.47	Q				
27+10	0.0000	1.51	Q					32+20	0.0000	1.47	Q				
27+15	0.0000	1.51	Q					32+25	0.0000	1.47	Q				
27+20	0.0000	1.51	Q					32+30	0.0000	1.47	Q				
27+25	0.0000	1.51	Q					32+35	0.0000	1.47	Q				
27+30	0.0000	1.51	Q					32+40	0.0000	1.47	Q				
27+35	0.0000	1.51	Q					32+45	0.0000	1.47	Q				
27+40	0.0000	1.51	Q					32+50	0.0000	1.47	Q				
27+45	0.0000	1.51	Q					32+55	0.0000	1.47	Q				
27+50	0.0000	1.51	Q					33+ 0	0.0000	1.46	Q				
27+55	0.0000	1.51	Q					33+ 5	0.0000	1.46	Q				
28+ 0	0.0000	1.51	Q					33+10	0.0000	1.46	Q				
28+ 5	0.0000	1.50	Q					33+15	0.0000	1.46	Q				
28+10	0.0000	1.50	Q					33+20	0.0000	1.46	Q				
28+15	0.0000	1.50	Q					33+25	0.0000	1.46	Q				
28+20	0.0000	1.50	Q					33+30	0.0000	1.46	Q				
28+25	0.0000	1.50	Q					33+35	0.0000	1.46	Q				
28+30	0.0000	1.50	Q					33+40	0.0000	1.46	Q				
28+35	0.0000	1.50	Q					33+45	0.0000	1.46	Q				
28+40	0.0000	1.50	Q					33+50	0.0000	1.46	Q				
28+45	0.0000	1.50	Q					33+55	0.0000	1.46	Q				
28+50	0.0000	1.50	Q					34+ 0	0.0000	1.46	Q				
28+55	0.0000	1.50	Q					34+ 5	0.0000	1.46	Q				
29+ 0	0.0000	1.50	Q					34+10	0.0000	1.46	Q				
29+ 5	0.0000	1.50	Q					34+15	0.0000	1.45	Q				
29+10	0.0000	1.50	Q					34+20	0.0000	1.45	Q				
29+15	0.0000	1.50	Q					34+25	0.0000	1.45	Q				
29+20	0.0000	1.49	Q					34+30	0.0000	1.45	Q				
29+25	0.0000	1.49	Q					34+35	0.0000	1.45	Q				
29+30	0.0000	1.49	Q					34+40	0.0000	1.45	Q				
29+35	0.0000	1.49	Q					34+45	0.0000	1.45	Q				
29+40	0.0000	1.49	Q					34+50	0.0000	1.45	Q				
29+45	0.0000	1.49	Q					34+55	0.0000	1.45	Q				

35+ 0	0.0000	1.45	Q					40+10	0.0000	1.40	Q				
35+ 5	0.0000	1.45	Q					40+15	0.0000	1.40	Q				
35+10	0.0000	1.45	Q					40+20	0.0000	1.40	Q				
35+15	0.0000	1.45	Q					40+25	0.0000	1.40	Q				
35+20	0.0000	1.45	Q					40+30	0.0000	1.40	Q				
35+25	0.0000	1.44	Q					40+35	0.0000	1.40	Q				
35+30	0.0000	1.44	Q					40+40	0.0000	1.40	Q				
35+35	0.0000	1.44	Q					40+45	0.0000	1.40	Q				
35+40	0.0000	1.44	Q					40+50	0.0000	1.40	Q				
35+45	0.0000	1.44	Q					40+55	0.0000	1.40	Q				
35+50	0.0000	1.44	Q					41+ 0	0.0000	1.40	Q				
35+55	0.0000	1.44	Q					41+ 5	0.0000	1.40	Q				
36+ 0	0.0000	1.44	Q					41+10	0.0000	1.40	Q				
36+ 5	0.0000	1.44	Q					41+15	0.0000	1.40	Q				
36+10	0.0000	1.44	Q					41+20	0.0000	1.40	Q				
36+15	0.0000	1.44	Q					41+25	0.0000	1.39	Q				
36+20	0.0000	1.44	Q					41+30	0.0000	1.39	Q				
36+25	0.0000	1.44	Q					41+35	0.0000	1.39	Q				
36+30	0.0000	1.44	Q					41+40	0.0000	1.39	Q				
36+35	0.0000	1.43	Q					41+45	0.0000	1.39	Q				
36+40	0.0000	1.43	Q					41+50	0.0000	1.39	Q				
36+45	0.0000	1.43	Q					41+55	0.0000	1.39	Q				
36+50	0.0000	1.43	Q					42+ 0	0.0000	1.39	Q				
36+55	0.0000	1.43	Q					42+ 5	0.0000	1.39	Q				
37+ 0	0.0000	1.43	Q					42+10	0.0000	1.39	Q				
37+ 5	0.0000	1.43	Q					42+15	0.0000	1.39	Q				
37+10	0.0000	1.43	Q					42+20	0.0000	1.39	Q				
37+15	0.0000	1.43	Q					42+25	0.0000	1.39	Q				
37+20	0.0000	1.43	Q					42+30	0.0000	1.38	Q				
37+25	0.0000	1.43	Q					42+35	0.0000	1.38	Q				
37+30	0.0000	1.43	Q					42+40	0.0000	1.38	Q				
37+35	0.0000	1.43	Q					42+45	0.0000	1.38	Q				
37+40	0.0000	1.43	Q					42+50	0.0000	1.38	Q				
37+45	0.0000	1.43	Q					42+55	0.0000	1.38	Q				
37+50	0.0000	1.42	Q					43+ 0	0.0000	1.38	Q				
37+55	0.0000	1.42	Q					43+ 5	0.0000	1.38	Q				
38+ 0	0.0000	1.42	Q					43+10	0.0000	1.38	Q				
38+ 5	0.0000	1.42	Q					43+15	0.0000	1.38	Q				
38+10	0.0000	1.42	Q					43+20	0.0000	1.38	Q				
38+15	0.0000	1.42	Q					43+25	0.0000	1.37	Q				
38+20	0.0000	1.42	Q					43+30	0.0000	1.37	Q				
38+25	0.0000	1.42	Q					43+35	0.0000	1.37	Q				
38+30	0.0000	1.42	Q					43+40	0.0000	1.37	Q				
38+35	0.0000	1.42	Q					43+45	0.0000	1.37	Q				
38+40	0.0000	1.42	Q					43+50	0.0000	1.37	Q				
38+45	0.0000	1.42	Q					43+55	0.0000	1.37	Q				
38+50	0.0000	1.42	Q					44+ 0	0.0000	1.37	Q				
38+55	0.0000	1.42	Q					44+ 5	0.0000	1.37	Q				
39+ 0	0.0000	1.41	Q					44+10	0.0000	1.37	Q				
39+ 5	0.0000	1.41	Q					44+15	0.0000	1.37	Q				
39+10	0.0000	1.41	Q					44+20	0.0000	1.36	Q				
39+15	0.0000	1.41	Q					44+25	0.0000	1.36	Q				
39+20	0.0000	1.41	Q					44+30	0.0000	1.36	Q				
39+25	0.0000	1.41	Q					44+35	0.0000	1.36	Q				
39+30	0.0000	1.41	Q					44+40	0.0000	1.36	Q				
39+35	0.0000	1.41	Q					44+45	0.0000	1.36	Q				
39+40	0.0000	1.41	Q					44+50	0.0000	1.36	Q				
39+45	0.0000	1.41	Q					44+55	0.0000	1.36	Q				
39+50	0.0000	1.41	Q					45+ 0	0.0000	1.36	Q				
39+55	0.0000	1.41	Q					45+ 5	0.0000	1.36	Q				
40+ 0	0.0000	1.41	Q					45+10	0.0000	1.36	Q				
40+ 5	0.0000	1.41	Q					45+15	0.0000	1.36	Q				

45+20	0.0000	1.35	Q					50+30	0.0000	1.30	Q				
45+25	0.0000	1.35	Q					50+35	0.0000	1.30	Q				
45+30	0.0000	1.35	Q					50+40	0.0000	1.30	Q				
45+35	0.0000	1.35	Q					50+45	0.0000	1.30	Q				
45+40	0.0000	1.35	Q					50+50	0.0000	1.30	Q				
45+45	0.0000	1.35	Q					50+55	0.0000	1.30	Q				
45+50	0.0000	1.35	Q					51+ 0	0.0000	1.30	Q				
45+55	0.0000	1.35	Q					51+ 5	0.0000	1.30	Q				
46+ 0	0.0000	1.35	Q					51+10	0.0000	1.30	Q				
46+ 5	0.0000	1.35	Q					51+15	0.0000	1.29	Q				
46+10	0.0000	1.35	Q					51+20	0.0000	1.29	Q				
46+15	0.0000	1.35	Q					51+25	0.0000	1.29	Q				
46+20	0.0000	1.34	Q					51+30	0.0000	1.29	Q				
46+25	0.0000	1.34	Q					51+35	0.0000	1.29	Q				
46+30	0.0000	1.34	Q					51+40	0.0000	1.29	Q				
46+35	0.0000	1.34	Q					51+45	0.0000	1.29	Q				
46+40	0.0000	1.34	Q					51+50	0.0000	1.29	Q				
46+45	0.0000	1.34	Q					51+55	0.0000	1.29	Q				
46+50	0.0000	1.34	Q					52+ 0	0.0000	1.29	Q				
46+55	0.0000	1.34	Q					52+ 5	0.0000	1.29	Q				
47+ 0	0.0000	1.34	Q					52+10	0.0000	1.29	Q				
47+ 5	0.0000	1.34	Q					52+15	0.0000	1.28	Q				
47+10	0.0000	1.34	Q					52+20	0.0000	1.28	Q				
47+15	0.0000	1.33	Q					52+25	0.0000	1.28	Q				
47+20	0.0000	1.33	Q					52+30	0.0000	1.28	Q				
47+25	0.0000	1.33	Q					52+35	0.0000	1.28	Q				
47+30	0.0000	1.33	Q					52+40	0.0000	1.28	Q				
47+35	0.0000	1.33	Q					52+45	0.0000	1.28	Q				
47+40	0.0000	1.33	Q					52+50	0.0000	1.28	Q				
47+45	0.0000	1.33	Q					52+55	0.0000	1.28	Q				
47+50	0.0000	1.33	Q					53+ 0	0.0000	1.28	Q				
47+55	0.0000	1.33	Q					53+ 5	0.0000	1.28	Q				
48+ 0	0.0000	1.33	Q					53+10	0.0000	1.28	Q				
48+ 5	0.0000	1.33	Q					53+15	0.0000	1.27	Q				
48+10	0.0000	1.33	Q					53+20	0.0000	1.27	Q				
48+15	0.0000	1.32	Q					53+25	0.0000	1.27	Q				
48+20	0.0000	1.32	Q					53+30	0.0000	1.27	Q				
48+25	0.0000	1.32	Q					53+35	0.0000	1.27	Q				
48+30	0.0000	1.32	Q					53+40	0.0000	1.27	Q				
48+35	0.0000	1.32	Q					53+45	0.0000	1.27	Q				
48+40	0.0000	1.32	Q					53+50	0.0000	1.27	Q				
48+45	0.0000	1.32	Q					53+55	0.0000	1.27	Q				
48+50	0.0000	1.32	Q					54+ 0	0.0000	1.27	Q				
48+55	0.0000	1.32	Q					54+ 5	0.0000	1.27	Q				
49+ 0	0.0000	1.32	Q					54+10	0.0000	1.27	Q				
49+ 5	0.0000	1.32	Q					54+15	0.0000	1.26	Q				
49+10	0.0000	1.32	Q					54+20	0.0000	1.26	Q				
49+15	0.0000	1.31	Q					54+25	0.0000	1.26	Q				
49+20	0.0000	1.31	Q					54+30	0.0000	1.26	Q				
49+25	0.0000	1.31	Q					54+35	0.0000	1.26	Q				
49+30	0.0000	1.31	Q					54+40	0.0000	1.26	Q				
49+35	0.0000	1.31	Q					54+45	0.0000	1.26	Q				
49+40	0.0000	1.31	Q					54+50	0.0000	1.26	Q				
49+45	0.0000	1.31	Q					54+55	0.0000	1.26	Q				
49+50	0.0000	1.31	Q					55+ 0	0.0000	1.26	Q				
49+55	0.0000	1.31	Q					55+ 5	0.0000	1.26	Q				
50+ 0	0.0000	1.31	Q					55+10	0.0000	1.26	Q				
50+ 5	0.0000	1.31	Q					55+15	0.0000	1.26	Q				
50+10	0.0000	1.31	Q					55+20	0.0000	1.25	Q				
50+15	0.0000	1.30	Q					55+25	0.0000	1.25	Q				
50+20	0.0000	1.30	Q					55+30	0.0000	1.25	Q				
50+25	0.0000	1.30	Q					55+35	0.0000	1.25	Q				

55+40	0.0000	1.25	Q					60+50	0.0000	1.19	Q				
55+45	0.0000	1.25	Q					60+55	0.0000	1.19	Q				
55+50	0.0000	1.25	Q					61+ 0	0.0000	1.19	Q				
55+55	0.0000	1.25	Q					61+ 5	0.0000	1.19	Q				
56+ 0	0.0000	1.25	Q					61+10	0.0000	1.19	Q				
56+ 5	0.0000	1.25	Q					61+15	0.0000	1.19	Q				
56+10	0.0000	1.25	Q					61+20	0.0000	1.19	Q				
56+15	0.0000	1.24	Q					61+25	0.0000	1.19	Q				
56+20	0.0000	1.24	Q					61+30	0.0000	1.19	Q				
56+25	0.0000	1.24	Q					61+35	0.0000	1.19	Q				
56+30	0.0000	1.24	Q					61+40	0.0000	1.19	Q				
56+35	0.0000	1.24	Q					61+45	0.0000	1.18	Q				
56+40	0.0000	1.24	Q					61+50	0.0000	1.18	Q				
56+45	0.0000	1.24	Q					61+55	0.0000	1.18	Q				
56+50	0.0000	1.24	Q					62+ 0	0.0000	1.18	Q				
56+55	0.0000	1.24	Q					62+ 5	0.0000	1.18	Q				
57+ 0	0.0000	1.24	Q					62+10	0.0000	1.18	Q				
57+ 5	0.0000	1.24	Q					62+15	0.0000	1.18	Q				
57+10	0.0000	1.23	Q					62+20	0.0000	1.18	Q				
57+15	0.0000	1.23	Q					62+25	0.0000	1.18	Q				
57+20	0.0000	1.23	Q					62+30	0.0000	1.18	Q				
57+25	0.0000	1.23	Q					62+35	0.0000	1.18	Q				
57+30	0.0000	1.23	Q					62+40	0.0000	1.17	Q				
57+35	0.0000	1.23	Q					62+45	0.0000	1.17	Q				
57+40	0.0000	1.23	Q					62+50	0.0000	1.17	Q				
57+45	0.0000	1.23	Q					62+55	0.0000	1.17	Q				
57+50	0.0000	1.23	Q					63+ 0	0.0000	1.17	Q				
57+55	0.0000	1.23	Q					63+ 5	0.0000	1.17	Q				
58+ 0	0.0000	1.23	Q					63+10	0.0000	1.17	Q				
58+ 5	0.0000	1.22	Q					63+15	0.0000	1.17	Q				
58+10	0.0000	1.22	Q					63+20	0.0000	1.17	Q				
58+15	0.0000	1.22	Q					63+25	0.0000	1.17	Q				
58+20	0.0000	1.22	Q					63+30	0.0000	1.17	Q				
58+25	0.0000	1.22	Q					63+35	0.0000	1.16	Q				
58+30	0.0000	1.22	Q					63+40	0.0000	1.16	Q				
58+35	0.0000	1.22	Q					63+45	0.0000	1.16	Q				
58+40	0.0000	1.22	Q					63+50	0.0000	1.16	Q				
58+45	0.0000	1.22	Q					63+55	0.0000	1.16	Q				
58+50	0.0000	1.22	Q					64+ 0	0.0000	1.16	Q				
58+55	0.0000	1.21	Q					64+ 5	0.0000	1.16	Q				
59+ 0	0.0000	1.21	Q					64+10	0.0000	1.16	Q				
59+ 5	0.0000	1.21	Q					64+15	0.0000	1.16	Q				
59+10	0.0000	1.21	Q					64+20	0.0000	1.16	Q				
59+15	0.0000	1.21	Q					64+25	0.0000	1.16	Q				
59+20	0.0000	1.21	Q					64+30	0.0000	1.16	Q				
59+25	0.0000	1.21	Q					64+35	0.0000	1.15	Q				
59+30	0.0000	1.21	Q					64+40	0.0000	1.15	Q				
59+35	0.0000	1.21	Q					64+45	0.0000	1.15	Q				
59+40	0.0000	1.21	Q					64+50	0.0000	1.15	Q				
59+45	0.0000	1.21	Q					64+55	0.0000	1.15	Q				
59+50	0.0000	1.20	Q					65+ 0	0.0000	1.15	Q				
59+55	0.0000	1.20	Q					65+ 5	0.0000	1.15	Q				
60+ 0	0.0000	1.20	Q					65+10	0.0000	1.15	Q				
60+ 5	0.0000	1.20	Q					65+15	0.0000	1.15	Q				
60+10	0.0000	1.20	Q					65+20	0.0000	1.15	Q				
60+15	0.0000	1.20	Q					65+25	0.0000	1.15	Q				
60+20	0.0000	1.20	Q					65+30	0.0000	1.14	Q				
60+25	0.0000	1.20	Q					65+35	0.0000	1.14	Q				
60+30	0.0000	1.20	Q					65+40	0.0000	1.14	Q				
60+35	0.0000	1.20	Q					65+45	0.0000	1.14	Q				
60+40	0.0000	1.20	Q					65+50	0.0000	1.14	Q				
60+45	0.0000	1.19	Q					65+55	0.0000	1.14	Q				

66+ 0	0.0000	1.14	Q					71+10	0.0000	1.08	Q				
66+ 5	0.0000	1.14	Q					71+15	0.0000	1.07	Q				
66+10	0.0000	1.14	Q					71+20	0.0000	1.07	Q				
66+15	0.0000	1.14	Q					71+25	0.0000	1.07	Q				
66+20	0.0000	1.14	Q					71+30	0.0000	1.07	Q				
66+25	0.0000	1.14	Q					71+35	0.0000	1.07	Q				
66+30	0.0000	1.13	Q					71+40	0.0000	1.07	Q				
66+35	0.0000	1.13	Q					71+45	0.0000	1.07	Q				
66+40	0.0000	1.13	Q					71+50	0.0000	1.07	Q				
66+45	0.0000	1.13	Q					71+55	0.0000	1.06	Q				
66+50	0.0000	1.13	Q					72+ 0	0.0000	1.06	Q				
66+55	0.0000	1.13	Q					72+ 5	0.0000	1.06	Q				
67+ 0	0.0000	1.13	Q					72+10	0.0000	1.06	Q				
67+ 5	0.0000	1.13	Q					72+15	0.0000	1.06	Q				
67+10	0.0000	1.13	Q					72+20	0.0000	1.06	Q				
67+15	0.0000	1.13	Q					72+25	0.0000	1.06	Q				
67+20	0.0000	1.13	Q					72+30	0.0000	1.06	Q				
67+25	0.0000	1.12	Q					72+35	0.0000	1.05	Q				
67+30	0.0000	1.12	Q					72+40	0.0000	1.05	Q				
67+35	0.0000	1.12	Q					72+45	0.0000	1.05	Q				
67+40	0.0000	1.12	Q					72+50	0.0000	1.05	Q				
67+45	0.0000	1.12	Q					72+55	0.0000	1.05	Q				
67+50	0.0000	1.12	Q					73+ 0	0.0000	1.05	Q				
67+55	0.0000	1.12	Q					73+ 5	0.0000	1.05	Q				
68+ 0	0.0000	1.12	Q					73+10	0.0000	1.05	Q				
68+ 5	0.0000	1.12	Q					73+15	0.0000	1.04	Q				
68+10	0.0000	1.12	Q					73+20	0.0000	1.04	Q				
68+15	0.0000	1.12	Q					73+25	0.0000	1.04	Q				
68+20	0.0000	1.12	Q					73+30	0.0000	1.04	Q				
68+25	0.0000	1.11	Q					73+35	0.0000	1.04	Q				
68+30	0.0000	1.11	Q					73+40	0.0000	1.04	Q				
68+35	0.0000	1.11	Q					73+45	0.0000	1.04	Q				
68+40	0.0000	1.11	Q					73+50	0.0000	1.04	Q				
68+45	0.0000	1.11	Q					73+55	0.0000	1.03	Q				
68+50	0.0000	1.11	Q					74+ 0	0.0000	1.03	Q				
68+55	0.0000	1.11	Q					74+ 5	0.0000	1.03	Q				
69+ 0	0.0000	1.11	Q					74+10	0.0000	1.03	Q				
69+ 5	0.0000	1.11	Q					74+15	0.0000	1.03	Q				
69+10	0.0000	1.11	Q					74+20	0.0000	1.03	Q				
69+15	0.0000	1.10	Q					74+25	0.0000	1.03	Q				
69+20	0.0000	1.10	Q					74+30	0.0000	1.03	Q				
69+25	0.0000	1.10	Q					74+35	0.0000	1.03	Q				
69+30	0.0000	1.10	Q					74+40	0.0000	1.02	Q				
69+35	0.0000	1.10	Q					74+45	0.0000	1.02	Q				
69+40	0.0000	1.10	Q					74+50	0.0000	1.02	Q				
69+45	0.0000	1.10	Q					74+55	0.0000	1.02	Q				
69+50	0.0000	1.10	Q					75+ 0	0.0000	1.02	Q				
69+55	0.0000	1.09	Q					75+ 5	0.0000	1.02	Q				
70+ 0	0.0000	1.09	Q					75+10	0.0000	1.02	Q				
70+ 5	0.0000	1.09	Q					75+15	0.0000	1.02	Q				
70+10	0.0000	1.09	Q					75+20	0.0000	1.01	Q				
70+15	0.0000	1.09	Q					75+25	0.0000	1.01	Q				
70+20	0.0000	1.09	Q					75+30	0.0000	1.01	Q				
70+25	0.0000	1.09	Q					75+35	0.0000	1.01	Q				
70+30	0.0000	1.09	Q					75+40	0.0000	1.01	Q				
70+35	0.0000	1.08	Q					75+45	0.0000	1.01	Q				
70+40	0.0000	1.08	Q					75+50	0.0000	1.01	Q				
70+45	0.0000	1.08	Q					75+55	0.0000	1.01	Q				
70+50	0.0000	1.08	Q					76+ 0	0.0000	1.01	Q				
70+55	0.0000	1.08	Q					76+ 5	0.0000	1.00	Q				
71+ 0	0.0000	1.08	Q					76+10	0.0000	1.00	Q				
71+ 5	0.0000	1.08	Q					76+15	0.0000	1.00	Q				

76+20	0.0000	1.00	Q					81+30	0.0000	0.93	Q				
76+25	0.0000	1.00	Q					81+35	0.0000	0.93	Q				
76+30	0.0000	1.00	Q					81+40	0.0000	0.93	Q				
76+35	0.0000	1.00	Q					81+45	0.0000	0.93	Q				
76+40	0.0000	1.00	Q					81+50	0.0000	0.93	Q				
76+45	0.0000	0.99	Q					81+55	0.0000	0.92	Q				
76+50	0.0000	0.99	Q					82+ 0	0.0000	0.92	Q				
76+55	0.0000	0.99	Q					82+ 5	0.0000	0.92	Q				
77+ 0	0.0000	0.99	Q					82+10	0.0000	0.92	Q				
77+ 5	0.0000	0.99	Q					82+15	0.0000	0.92	Q				
77+10	0.0000	0.99	Q					82+20	0.0000	0.92	Q				
77+15	0.0000	0.99	Q					82+25	0.0000	0.91	Q				
77+20	0.0000	0.99	Q					82+30	0.0000	0.91	Q				
77+25	0.0000	0.99	Q					82+35	0.0000	0.91	Q				
77+30	0.0000	0.98	Q					82+40	0.0000	0.91	Q				
77+35	0.0000	0.98	Q					82+45	0.0000	0.91	Q				
77+40	0.0000	0.98	Q					82+50	0.0000	0.91	Q				
77+45	0.0000	0.98	Q					82+55	0.0000	0.91	Q				
77+50	0.0000	0.98	Q					83+ 0	0.0000	0.90	Q				
77+55	0.0000	0.98	Q					83+ 5	0.0000	0.90	Q				
78+ 0	0.0000	0.98	Q					83+10	0.0000	0.90	Q				
78+ 5	0.0000	0.98	Q					83+15	0.0000	0.90	Q				
78+10	0.0000	0.98	Q					83+20	0.0000	0.90	Q				
78+15	0.0000	0.97	Q					83+25	0.0000	0.90	Q				
78+20	0.0000	0.97	Q					83+30	0.0000	0.90	Q				
78+25	0.0000	0.97	Q					83+35	0.0000	0.89	Q				
78+30	0.0000	0.97	Q					83+40	0.0000	0.89	Q				
78+35	0.0000	0.97	Q					83+45	0.0000	0.89	Q				
78+40	0.0000	0.97	Q					83+50	0.0000	0.89	Q				
78+45	0.0000	0.97	Q					83+55	0.0000	0.89	Q				
78+50	0.0000	0.97	Q					84+ 0	0.0000	0.89	Q				
78+55	0.0000	0.97	Q					84+ 5	0.0000	0.89	Q				
79+ 0	0.0000	0.96	Q					84+10	0.0000	0.88	Q				
79+ 5	0.0000	0.96	Q					84+15	0.0000	0.88	Q				
79+10	0.0000	0.96	Q					84+20	0.0000	0.88	Q				
79+15	0.0000	0.96	Q					84+25	0.0000	0.88	Q				
79+20	0.0000	0.96	Q					84+30	0.0000	0.88	Q				
79+25	0.0000	0.96	Q					84+35	0.0000	0.88	Q				
79+30	0.0000	0.96	Q					84+40	0.0000	0.87	Q				
79+35	0.0000	0.96	Q					84+45	0.0000	0.87	Q				
79+40	0.0000	0.96	Q					84+50	0.0000	0.87	Q				
79+45	0.0000	0.95	Q					84+55	0.0000	0.87	Q				
79+50	0.0000	0.95	Q					85+ 0	0.0000	0.87	Q				
79+55	0.0000	0.95	Q					85+ 5	0.0000	0.87	Q				
80+ 0	0.0000	0.95	Q					85+10	0.0000	0.87	Q				
80+ 5	0.0000	0.95	Q					85+15	0.0000	0.86	Q				
80+10	0.0000	0.95	Q					85+20	0.0000	0.86	Q				
80+15	0.0000	0.95	Q					85+25	0.0000	0.86	Q				
80+20	0.0000	0.95	Q					85+30	0.0000	0.86	Q				
80+25	0.0000	0.95	Q					85+35	0.0000	0.86	Q				
80+30	0.0000	0.94	Q					85+40	0.0000	0.86	Q				
80+35	0.0000	0.94	Q					85+45	0.0000	0.86	Q				
80+40	0.0000	0.94	Q					85+50	0.0000	0.85	Q				
80+45	0.0000	0.94	Q					85+55	0.0000	0.85	Q				
80+50	0.0000	0.94	Q					86+ 0	0.0000	0.85	Q				
80+55	0.0000	0.94	Q					86+ 5	0.0000	0.85	Q				
81+ 0	0.0000	0.94	Q					86+10	0.0000	0.85	Q				
81+ 5	0.0000	0.94	Q					86+15	0.0000	0.85	Q				
81+10	0.0000	0.94	Q					86+20	0.0000	0.85	Q				
81+15	0.0000	0.93	Q					86+25	0.0000	0.84	Q				
81+20	0.0000	0.93	Q					86+30	0.0000	0.84	Q				
81+25	0.0000	0.93	Q					86+35	0.0000	0.84	Q				

86+40	0.0000	0.84	Q					91+50	0.0000	0.76	Q				
86+45	0.0000	0.84	Q					91+55	0.0000	0.76	Q				
86+50	0.0000	0.84	Q					92+ 0	0.0000	0.76	Q				
86+55	0.0000	0.84	Q					92+ 5	0.0000	0.75	Q				
87+ 0	0.0000	0.84	Q					92+10	0.0000	0.75	Q				
87+ 5	0.0000	0.83	Q					92+15	0.0000	0.75	Q				
87+10	0.0000	0.83	Q					92+20	0.0000	0.75	Q				
87+15	0.0000	0.83	Q					92+25	0.0000	0.75	Q				
87+20	0.0000	0.83	Q					92+30	0.0000	0.75	Q				
87+25	0.0000	0.83	Q					92+35	0.0000	0.75	Q				
87+30	0.0000	0.83	Q					92+40	0.0000	0.75	Q				
87+35	0.0000	0.83	Q					92+45	0.0000	0.74	Q				
87+40	0.0000	0.82	Q					92+50	0.0000	0.74	Q				
87+45	0.0000	0.82	Q					92+55	0.0000	0.74	Q				
87+50	0.0000	0.82	Q					93+ 0	0.0000	0.74	Q				
87+55	0.0000	0.82	Q					93+ 5	0.0000	0.74	Q				
88+ 0	0.0000	0.82	Q					93+10	0.0000	0.74	Q				
88+ 5	0.0000	0.82	Q					93+15	0.0000	0.74	Q				
88+10	0.0000	0.82	Q					93+20	0.0000	0.74	Q				
88+15	0.0000	0.81	Q					93+25	0.0000	0.73	Q				
88+20	0.0000	0.81	Q					93+30	0.0000	0.73	Q				
88+25	0.0000	0.81	Q					93+35	0.0000	0.73	Q				
88+30	0.0000	0.81	Q					93+40	0.0000	0.73	Q				
88+35	0.0000	0.81	Q					93+45	0.0000	0.73	Q				
88+40	0.0000	0.81	Q					93+50	0.0000	0.73	Q				
88+45	0.0000	0.81	Q					93+55	0.0000	0.73	Q				
88+50	0.0000	0.81	Q					94+ 0	0.0000	0.73	Q				
88+55	0.0000	0.80	Q					94+ 5	0.0000	0.73	Q				
89+ 0	0.0000	0.80	Q					94+10	0.0000	0.72	Q				
89+ 5	0.0000	0.80	Q					94+15	0.0000	0.72	Q				
89+10	0.0000	0.80	Q					94+20	0.0000	0.72	Q				
89+15	0.0000	0.80	Q					94+25	0.0000	0.72	Q				
89+20	0.0000	0.80	Q					94+30	0.0000	0.72	Q				
89+25	0.0000	0.80	Q					94+35	0.0000	0.72	Q				
89+30	0.0000	0.79	Q					94+40	0.0000	0.71	Q				
89+35	0.0000	0.79	Q					94+45	0.0000	0.71	Q				
89+40	0.0000	0.79	Q					94+50	0.0000	0.71	Q				
89+45	0.0000	0.79	Q					94+55	0.0000	0.71	Q				
89+50	0.0000	0.79	Q					95+ 0	0.0000	0.70	Q				
89+55	0.0000	0.79	Q					95+ 5	0.0000	0.70	Q				
90+ 0	0.0000	0.79	Q					95+10	0.0000	0.70	Q				
90+ 5	0.0000	0.79	Q					95+15	0.0000	0.70	Q				
90+10	0.0000	0.78	Q					95+20	0.0000	0.70	Q				
90+15	0.0000	0.78	Q					95+25	0.0000	0.69	Q				
90+20	0.0000	0.78	Q					95+30	0.0000	0.69	Q				
90+25	0.0000	0.78	Q					95+35	0.0000	0.69	Q				
90+30	0.0000	0.78	Q					95+40	0.0000	0.69	Q				
90+35	0.0000	0.78	Q					95+45	0.0000	0.68	Q				
90+40	0.0000	0.78	Q					95+50	0.0000	0.68	Q				
90+45	0.0000	0.78	Q					95+55	0.0000	0.68	Q				
90+50	0.0000	0.77	Q					96+ 0	0.0000	0.68	Q				
90+55	0.0000	0.77	Q					96+ 5	0.0000	0.68	Q				
91+ 0	0.0000	0.77	Q					96+10	0.0000	0.67	Q				
91+ 5	0.0000	0.77	Q					96+15	0.0000	0.67	Q				
91+10	0.0000	0.77	Q					96+20	0.0000	0.67	Q				
91+15	0.0000	0.77	Q					96+25	0.0000	0.67	Q				
91+20	0.0000	0.77	Q					96+30	0.0000	0.67	Q				
91+25	0.0000	0.76	Q					96+35	0.0000	0.66	Q				
91+30	0.0000	0.76	Q					96+40	0.0000	0.66	Q				
91+35	0.0000	0.76	Q					96+45	0.0000	0.66	Q				
91+40	0.0000	0.76	Q					96+50	0.0000	0.66	Q				
91+45	0.0000	0.76	Q					96+55	0.0000	0.65	Q				

97+ 0	0.0000	0.65	Q	|	|	|	|	102+10	0.0000	0.54	Q	|	|	|	|
97+ 5	0.0000	0.65	Q	|	|	|	|	102+15	0.0000	0.53	Q	|	|	|	|
97+10	0.0000	0.65	Q	|	|	|	|	102+20	0.0000	0.53	Q	|	|	|	|
97+15	0.0000	0.65	Q	|	|	|	|	102+25	0.0000	0.53	Q	|	|	|	|
97+20	0.0000	0.64	Q	|	|	|	|	102+30	0.0000	0.53	Q	|	|	|	|
97+25	0.0000	0.64	Q	|	|	|	|	102+35	0.0000	0.53	Q	|	|	|	|
97+30	0.0000	0.64	Q	|	|	|	|	102+40	0.0000	0.53	Q	|	|	|	|
97+35	0.0000	0.64	Q	|	|	|	|	102+45	0.0000	0.52	Q	|	|	|	|
97+40	0.0000	0.64	Q	|	|	|	|	102+50	0.0000	0.52	Q	|	|	|	|
97+45	0.0000	0.63	Q	|	|	|	|	102+55	0.0000	0.52	Q	|	|	|	|
97+50	0.0000	0.63	Q	|	|	|	|	103+ 0	0.0000	0.52	Q	|	|	|	|
97+55	0.0000	0.63	Q	|	|	|	|	103+ 5	0.0000	0.52	Q	|	|	|	|
98+ 0	0.0000	0.63	Q	|	|	|	|	103+10	0.0000	0.52	Q	|	|	|	|
98+ 5	0.0000	0.63	Q	|	|	|	|	103+15	0.0000	0.51	Q	|	|	|	|
98+10	0.0000	0.62	Q	|	|	|	|	103+20	0.0000	0.51	Q	|	|	|	|
98+15	0.0000	0.62	Q	|	|	|	|	103+25	0.0000	0.51	Q	|	|	|	|
98+20	0.0000	0.62	Q	|	|	|	|	103+30	0.0000	0.51	Q	|	|	|	|
98+25	0.0000	0.62	Q	|	|	|	|	103+35	0.0000	0.51	Q	|	|	|	|
98+30	0.0000	0.62	Q	|	|	|	|	103+40	0.0000	0.51	Q	|	|	|	|
98+35	0.0000	0.61	Q	|	|	|	|	103+45	0.0000	0.50	Q	|	|	|	|
98+40	0.0000	0.61	Q	|	|	|	|	103+50	0.0000	0.50	Q	|	|	|	|
98+45	0.0000	0.61	Q	|	|	|	|	103+55	0.0000	0.50	Q	|	|	|	|
98+50	0.0000	0.61	Q	|	|	|	|	104+ 0	0.0000	0.50	Q	|	|	|	|
98+55	0.0000	0.61	Q	|	|	|	|	104+ 5	0.0000	0.50	Q	|	|	|	|
99+ 0	0.0000	0.60	Q	|	|	|	|	104+10	0.0000	0.50	Q	|	|	|	|
99+ 5	0.0000	0.60	Q	|	|	|	|	104+15	0.0000	0.49	Q	|	|	|	|
99+10	0.0000	0.60	Q	|	|	|	|	104+20	0.0000	0.49	Q	|	|	|	|
99+15	0.0000	0.60	Q	|	|	|	|	104+25	0.0000	0.49	Q	|	|	|	|
99+20	0.0000	0.60	Q	|	|	|	|	104+30	0.0000	0.49	Q	|	|	|	|
99+25	0.0000	0.59	Q	|	|	|	|	104+35	0.0000	0.49	Q	|	|	|	|
99+30	0.0000	0.59	Q	|	|	|	|	104+40	0.0000	0.49	Q	|	|	|	|
99+35	0.0000	0.59	Q	|	|	|	|	104+45	0.0000	0.48	Q	|	|	|	|
99+40	0.0000	0.59	Q	|	|	|	|	104+50	0.0000	0.48	Q	|	|	|	|
99+45	0.0000	0.59	Q	|	|	|	|	104+55	0.0000	0.48	Q	|	|	|	|
99+50	0.0000	0.59	Q	|	|	|	|	105+ 0	0.0000	0.48	Q	|	|	|	|
99+55	0.0000	0.58	Q	|	|	|	|	105+ 5	0.0000	0.48	Q	|	|	|	|
100+ 0	0.0000	0.58	Q	|	|	|	|	105+10	0.0000	0.48	Q	|	|	|	|
100+ 5	0.0000	0.58	Q	|	|	|	|	105+15	0.0000	0.48	Q	|	|	|	|
100+10	0.0000	0.58	Q	|	|	|	|	105+20	0.0000	0.47	Q	|	|	|	|
100+15	0.0000	0.58	Q	|	|	|	|	105+25	0.0000	0.47	Q	|	|	|	|
100+20	0.0000	0.57	Q	|	|	|	|	105+30	0.0000	0.47	Q	|	|	|	|
100+25	0.0000	0.57	Q	|	|	|	|	105+35	0.0000	0.47	Q	|	|	|	|
100+30	0.0000	0.57	Q	|	|	|	|	105+40	0.0000	0.47	Q	|	|	|	|
100+35	0.0000	0.57	Q	|	|	|	|	105+45	0.0000	0.47	Q	|	|	|	|
100+40	0.0000	0.57	Q	|	|	|	|	105+50	0.0000	0.46	Q	|	|	|	|
100+45	0.0000	0.57	Q	|	|	|	|	105+55	0.0000	0.46	Q	|	|	|	|
100+50	0.0000	0.56	Q	|	|	|	|	106+ 0	0.0000	0.46	Q	|	|	|	|
100+55	0.0000	0.56	Q	|	|	|	|	106+ 5	0.0000	0.46	Q	|	|	|	|
101+ 0	0.0000	0.56	Q	|	|	|	|	106+10	0.0000	0.46	Q	|	|	|	|
101+ 5	0.0000	0.56	Q	|	|	|	|	106+15	0.0000	0.46	Q	|	|	|	|
101+10	0.0000	0.56	Q	|	|	|	|	106+20	0.0000	0.46	Q	|	|	|	|
101+15	0.0000	0.55	Q	|	|	|	|	106+25	0.0000	0.45	Q	|	|	|	|
101+20	0.0000	0.55	Q	|	|	|	|	106+30	0.0000	0.45	Q	|	|	|	|
101+25	0.0000	0.55	Q	|	|	|	|	106+35	0.0000	0.45	Q	|	|	|	|
101+30	0.0000	0.55	Q	|	|	|	|	106+40	0.0000	0.45	Q	|	|	|	|
101+35	0.0000	0.55	Q	|	|	|	|	106+45	0.0000	0.45	Q	|	|	|	|
101+40	0.0000	0.55	Q	|	|	|	|	106+50	0.0000	0.45	Q	|	|	|	|
101+45	0.0000	0.54	Q	|	|	|	|	106+55	0.0000	0.45	Q	|	|	|	|
101+50	0.0000	0.54	Q	|	|	|	|	107+ 0	0.0000	0.44	Q	|	|	|	|
101+55	0.0000	0.54	Q	|	|	|	|	107+ 5	0.0000	0.44	Q	|	|	|	|
102+ 0	0.0000	0.54	Q	|	|	|	|	107+10	0.0000	0.44	Q	|	|	|	|
102+ 5	0.0000	0.54	Q	|	|	|	|	107+15	0.0000	0.44	Q	|	|	|	|

107+20	0.0000	0.44	Q					112+30	0.0000	0.29	Q				
107+25	0.0000	0.44	Q					112+35	0.0000	0.29	Q				
107+30	0.0000	0.44	Q					112+40	0.0000	0.28	Q				
107+35	0.0000	0.43	Q					112+45	0.0000	0.28	Q				
107+40	0.0000	0.43	Q					112+50	0.0000	0.28	Q				
107+45	0.0000	0.43	Q					112+55	0.0000	0.27	Q				
107+50	0.0000	0.43	Q					113+ 0	0.0000	0.27	Q				
107+55	0.0000	0.43	Q					113+ 5	0.0000	0.27	Q				
108+ 0	0.0000	0.43	Q					113+10	0.0000	0.27	Q				
108+ 5	0.0000	0.43	Q					113+15	0.0000	0.26	Q				
108+10	0.0000	0.42	Q					113+20	0.0000	0.26	Q				
108+15	0.0000	0.42	Q					113+25	0.0000	0.26	Q				
108+20	0.0000	0.42	Q					113+30	0.0000	0.26	Q				
108+25	0.0000	0.42	Q					113+35	0.0000	0.25	Q				
108+30	0.0000	0.42	Q					113+40	0.0000	0.25	Q				
108+35	0.0000	0.42	Q					113+45	0.0000	0.25	Q				
108+40	0.0000	0.42	Q					113+50	0.0000	0.25	Q				
108+45	0.0000	0.42	Q					113+55	0.0000	0.24	Q				
108+50	0.0000	0.41	Q					114+ 0	0.0000	0.24	Q				
108+55	0.0000	0.41	Q					114+ 5	0.0000	0.24	Q				
109+ 0	0.0000	0.41	Q					114+10	0.0000	0.24	Q				
109+ 5	0.0000	0.41	Q					114+15	0.0000	0.23	Q				
109+10	0.0000	0.41	Q					114+20	0.0000	0.23	Q				
109+15	0.0000	0.41	Q					114+25	0.0000	0.23	Q				
109+20	0.0000	0.41	Q					114+30	0.0000	0.23	Q				
109+25	0.0000	0.41	Q					114+35	0.0000	0.23	Q				
109+30	0.0000	0.40	Q					114+40	0.0000	0.22	Q				
109+35	0.0000	0.40	Q					114+45	0.0000	0.22	Q				
109+40	0.0000	0.40	Q					114+50	0.0000	0.22	Q				
109+45	0.0000	0.40	Q					114+55	0.0000	0.22	Q				
109+50	0.0000	0.40	Q					115+ 0	0.0000	0.21	Q				
109+55	0.0000	0.39	Q					115+ 5	0.0000	0.21	Q				
110+ 0	0.0000	0.39	Q					115+10	0.0000	0.21	Q				
110+ 5	0.0000	0.38	Q					115+15	0.0000	0.21	Q				
110+10	0.0000	0.38	Q					115+20	0.0000	0.21	Q				
110+15	0.0000	0.38	Q					115+25	0.0000	0.20	Q				
110+20	0.0000	0.37	Q					115+30	0.0000	0.20	Q				
110+25	0.0000	0.37	Q					115+35	0.0000	0.20	Q				
110+30	0.0000	0.37	Q					115+40	0.0000	0.20	Q				
110+35	0.0000	0.36	Q					115+45	0.0000	0.20	Q				
110+40	0.0000	0.36	Q					115+50	0.0000	0.19	Q				
110+45	0.0000	0.36	Q					115+55	0.0000	0.19	Q				
110+50	0.0000	0.35	Q					116+ 0	0.0000	0.19	Q				
110+55	0.0000	0.35	Q					116+ 5	0.0000	0.19	Q				
111+ 0	0.0000	0.34	Q					116+10	0.0000	0.19	Q				
111+ 5	0.0000	0.34	Q					116+15	0.0000	0.19	Q				
111+10	0.0000	0.34	Q					116+20	0.0000	0.18	Q				
111+15	0.0000	0.33	Q					116+25	0.0000	0.18	Q				
111+20	0.0000	0.33	Q					116+30	0.0000	0.18	Q				
111+25	0.0000	0.33	Q					116+35	0.0000	0.18	Q				
111+30	0.0000	0.32	Q					116+40	0.0000	0.18	Q				
111+35	0.0000	0.32	Q					116+45	0.0000	0.17	Q				
111+40	0.0000	0.32	Q					116+50	0.0000	0.17	Q				
111+45	0.0000	0.32	Q					116+55	0.0000	0.17	Q				
111+50	0.0000	0.31	Q					117+ 0	0.0000	0.17	Q				
111+55	0.0000	0.31	Q					117+ 5	0.0000	0.17	Q				
112+ 0	0.0000	0.31	Q					117+10	0.0000	0.17	Q				
112+ 5	0.0000	0.30	Q					117+15	0.0000	0.16	Q				
112+10	0.0000	0.30	Q					117+20	0.0000	0.16	Q				
112+15	0.0000	0.30	Q					117+25	0.0000	0.16	Q				
112+20	0.0000	0.29	Q					117+30	0.0000	0.16	Q				
112+25	0.0000	0.29	Q					117+35	0.0000	0.16	Q				

117+40	0.0000	0.16	Q					122+50	0.0000	0.08	Q				
117+45	0.0000	0.15	Q					122+55	0.0000	0.08	Q				
117+50	0.0000	0.15	Q					123+ 0	0.0000	0.08	Q				
117+55	0.0000	0.15	Q					123+ 5	0.0000	0.08	Q				
118+ 0	0.0000	0.15	Q					123+10	0.0000	0.08	Q				
118+ 5	0.0000	0.15	Q					123+15	0.0000	0.08	Q				
118+10	0.0000	0.15	Q					123+20	0.0000	0.08	Q				
118+15	0.0000	0.15	Q					123+25	0.0000	0.08	Q				
118+20	0.0000	0.14	Q					123+30	0.0000	0.08	Q				
118+25	0.0000	0.14	Q					123+35	0.0000	0.08	Q				
118+30	0.0000	0.14	Q					123+40	0.0000	0.08	Q				
118+35	0.0000	0.14	Q					123+45	0.0000	0.08	Q				
118+40	0.0000	0.14	Q					123+50	0.0000	0.08	Q				
118+45	0.0000	0.14	Q					123+55	0.0000	0.07	Q				
118+50	0.0000	0.14	Q					124+ 0	0.0000	0.07	Q				
118+55	0.0000	0.13	Q					124+ 5	0.0000	0.07	Q				
119+ 0	0.0000	0.13	Q					124+10	0.0000	0.07	Q				
119+ 5	0.0000	0.13	Q					124+15	0.0000	0.07	Q				
119+10	0.0000	0.13	Q					124+20	0.0000	0.07	Q				
119+15	0.0000	0.13	Q					124+25	0.0000	0.07	Q				
119+20	0.0000	0.13	Q					124+30	0.0000	0.07	Q				
119+25	0.0000	0.13	Q					124+35	0.0000	0.07	Q				
119+30	0.0000	0.13	Q					124+40	0.0000	0.07	Q				
119+35	0.0000	0.12	Q					124+45	0.0000	0.07	Q				
119+40	0.0000	0.12	Q					124+50	0.0000	0.07	Q				
119+45	0.0000	0.12	Q					124+55	0.0000	0.07	Q				
119+50	0.0000	0.12	Q					125+ 0	0.0000	0.07	Q				
119+55	0.0000	0.12	Q					125+ 5	0.0000	0.06	Q				
120+ 0	0.0000	0.12	Q					125+10	0.0000	0.06	Q				
120+ 5	0.0000	0.12	Q					125+15	0.0000	0.06	Q				
120+10	0.0000	0.12	Q					125+20	0.0000	0.06	Q				
120+15	0.0000	0.12	Q					125+25	0.0000	0.06	Q				
120+20	0.0000	0.11	Q					125+30	0.0000	0.06	Q				
120+25	0.0000	0.11	Q					125+35	0.0000	0.06	Q				
120+30	0.0000	0.11	Q					125+40	0.0000	0.06	Q				
120+35	0.0000	0.11	Q					125+45	0.0000	0.06	Q				
120+40	0.0000	0.11	Q					125+50	0.0000	0.06	Q				
120+45	0.0000	0.11	Q					125+55	0.0000	0.06	Q				
120+50	0.0000	0.11	Q					126+ 0	0.0000	0.06	Q				
120+55	0.0000	0.11	Q					126+ 5	0.0000	0.06	Q				
121+ 0	0.0000	0.11	Q					126+10	0.0000	0.06	Q				
121+ 5	0.0000	0.10	Q					126+15	0.0000	0.06	Q				
121+10	0.0000	0.10	Q					126+20	0.0000	0.06	Q				
121+15	0.0000	0.10	Q					126+25	0.0000	0.06	Q				
121+20	0.0000	0.10	Q					126+30	0.0000	0.05	Q				
121+25	0.0000	0.10	Q					126+35	0.0000	0.05	Q				
121+30	0.0000	0.10	Q					126+40	0.0000	0.05	Q				
121+35	0.0000	0.10	Q					126+45	0.0000	0.05	Q				
121+40	0.0000	0.10	Q					126+50	0.0000	0.05	Q				
121+45	0.0000	0.10	Q					126+55	0.0000	0.05	Q				
121+50	0.0000	0.10	Q					127+ 0	0.0000	0.05	Q				
121+55	0.0000	0.09	Q					127+ 5	0.0000	0.05	Q				
122+ 0	0.0000	0.09	Q					127+10	0.0000	0.05	Q				
122+ 5	0.0000	0.09	Q					127+15	0.0000	0.05	Q				
122+10	0.0000	0.09	Q					127+20	0.0000	0.05	Q				
122+15	0.0000	0.09	Q					127+25	0.0000	0.05	Q				
122+20	0.0000	0.09	Q					127+30	0.0000	0.05	Q				
122+25	0.0000	0.09	Q					127+35	0.0000	0.05	Q				
122+30	0.0000	0.09	Q					127+40	0.0000	0.05	Q				
122+35	0.0000	0.09	Q					127+45	0.0000	0.05	Q				
122+40	0.0000	0.09	Q					127+50	0.0000	0.05	Q				
122+45	0.0000	0.09	Q					127+55	0.0000	0.05	Q				

128+ 0	0.0000	0.05	Q	|	|	|	|	133+10	0.0000	0.02	Q	|	|	|	|
128+ 5	0.0000	0.05	Q	|	|	|	|	133+15	0.0000	0.02	Q	|	|	|	|
128+10	0.0000	0.05	Q	|	|	|	|	133+20	0.0000	0.02	Q	|	|	|	|
128+15	0.0000	0.04	Q	|	|	|	|	133+25	0.0000	0.02	Q	|	|	|	|
128+20	0.0000	0.04	Q	|	|	|	|	133+30	0.0000	0.02	Q	|	|	|	|
128+25	0.0000	0.04	Q	|	|	|	|	133+35	0.0000	0.02	Q	|	|	|	|
128+30	0.0000	0.04	Q	|	|	|	|	133+40	0.0000	0.02	Q	|	|	|	|
128+35	0.0000	0.04	Q	|	|	|	|	133+45	0.0000	0.02	Q	|	|	|	|
128+40	0.0000	0.04	Q	|	|	|	|	133+50	0.0000	0.02	Q	|	|	|	|
128+45	0.0000	0.04	Q	|	|	|	|	133+55	0.0000	0.02	Q	|	|	|	|
128+50	0.0000	0.04	Q	|	|	|	|	134+ 0	0.0000	0.02	Q	|	|	|	|
128+55	0.0000	0.04	Q	|	|	|	|	134+ 5	0.0000	0.02	Q	|	|	|	|
129+ 0	0.0000	0.04	Q	|	|	|	|	134+10	0.0000	0.02	Q	|	|	|	|
129+ 5	0.0000	0.04	Q	|	|	|	|	134+15	0.0000	0.02	Q	|	|	|	|
129+10	0.0000	0.04	Q	|	|	|	|	134+20	0.0000	0.02	Q	|	|	|	|
129+15	0.0000	0.04	Q	|	|	|	|	134+25	0.0000	0.02	Q	|	|	|	|
129+20	0.0000	0.04	Q	|	|	|	|	134+30	0.0000	0.02	Q	|	|	|	|
129+25	0.0000	0.04	Q	|	|	|	|	134+35	0.0000	0.02	Q	|	|	|	|
129+30	0.0000	0.04	Q	|	|	|	|	134+40	0.0000	0.02	Q	|	|	|	|
129+35	0.0000	0.04	Q	|	|	|	|	134+45	0.0000	0.02	Q	|	|	|	|
129+40	0.0000	0.04	Q	|	|	|	|	134+50	0.0000	0.02	Q	|	|	|	|
129+45	0.0000	0.04	Q	|	|	|	|	134+55	0.0000	0.02	Q	|	|	|	|
129+50	0.0000	0.04	Q	|	|	|	|	135+ 0	0.0000	0.02	Q	|	|	|	|
129+55	0.0000	0.04	Q	|	|	|	|	135+ 5	0.0000	0.02	Q	|	|	|	|
130+ 0	0.0000	0.04	Q	|	|	|	|	135+10	0.0000	0.02	Q	|	|	|	|
130+ 5	0.0000	0.04	Q	|	|	|	|	135+15	0.0000	0.02	Q	|	|	|	|
130+10	0.0000	0.04	Q	|	|	|	|	135+20	0.0000	0.02	Q	|	|	|	|
130+15	0.0000	0.04	Q	|	|	|	|	135+25	0.0000	0.02	Q	|	|	|	|
130+20	0.0000	0.03	Q	|	|	|	|	135+30	0.0000	0.02	Q	|	|	|	|
130+25	0.0000	0.03	Q	|	|	|	|	135+35	0.0000	0.02	Q	|	|	|	|
130+30	0.0000	0.03	Q	|	|	|	|	135+40	0.0000	0.02	Q	|	|	|	|
130+35	0.0000	0.03	Q	|	|	|	|	135+45	0.0000	0.02	Q	|	|	|	|
130+40	0.0000	0.03	Q	|	|	|	|	135+50	0.0000	0.02	Q	|	|	|	|
130+45	0.0000	0.03	Q	|	|	|	|	135+55	0.0000	0.02	Q	|	|	|	|
130+50	0.0000	0.03	Q	|	|	|	|	136+ 0	0.0000	0.02	Q	|	|	|	|
130+55	0.0000	0.03	Q	|	|	|	|	136+ 5	0.0000	0.02	Q	|	|	|	|
131+ 0	0.0000	0.03	Q	|	|	|	|	136+10	0.0000	0.02	Q	|	|	|	|
131+ 5	0.0000	0.03	Q	|	|	|	|	136+15	0.0000	0.02	Q	|	|	|	|
131+10	0.0000	0.03	Q	|	|	|	|	136+20	0.0000	0.02	Q	|	|	|	|
131+15	0.0000	0.03	Q	|	|	|	|	136+25	0.0000	0.02	Q	|	|	|	|
131+20	0.0000	0.03	Q	|	|	|	|	136+30	0.0000	0.02	Q	|	|	|	|
131+25	0.0000	0.03	Q	|	|	|	|	136+35	0.0000	0.02	Q	|	|	|	|
131+30	0.0000	0.03	Q	|	|	|	|	136+40	0.0000	0.02	Q	|	|	|	|
131+35	0.0000	0.03	Q	|	|	|	|	136+45	0.0000	0.02	Q	|	|	|	|
131+40	0.0000	0.03	Q	|	|	|	|	136+50	0.0000	0.02	Q	|	|	|	|
131+45	0.0000	0.03	Q	|	|	|	|	136+55	0.0000	0.02	Q	|	|	|	|
131+50	0.0000	0.03	Q	|	|	|	|	137+ 0	0.0000	0.02	Q	|	|	|	|
131+55	0.0000	0.03	Q	|	|	|	|	137+ 5	0.0000	0.02	Q	|	|	|	|
132+ 0	0.0000	0.03	Q	|	|	|	|	137+10	0.0000	0.02	Q	|	|	|	|
132+ 5	0.0000	0.03	Q	|	|	|	|	137+15	0.0000	0.02	Q	|	|	|	|
132+10	0.0000	0.03	Q	|	|	|	|	137+20	0.0000	0.02	Q	|	|	|	|
132+15	0.0000	0.03	Q	|	|	|	|	137+25	0.0000	0.02	Q	|	|	|	|
132+20	0.0000	0.03	Q	|	|	|	|	137+30	0.0000	0.01	Q	|	|	|	|
132+25	0.0000	0.03	Q	|	|	|	|	137+35	0.0000	0.01	Q	|	|	|	|
132+30	0.0000	0.03	Q	|	|	|	|	137+40	0.0000	0.01	Q	|	|	|	|
132+35	0.0000	0.03	Q	|	|	|	|	137+45	0.0000	0.01	Q	|	|	|	|
132+40	0.0000	0.03	Q	|	|	|	|	137+50	0.0000	0.01	Q	|	|	|	|
132+45	0.0000	0.03	Q	|	|	|	|	137+55	0.0000	0.01	Q	|	|	|	|
132+50	0.0000	0.03	Q	|	|	|	|	138+ 0	0.0000	0.01	Q	|	|	|	|
132+55	0.0000	0.03	Q	|	|	|	|	138+ 5	0.0000	0.01	Q	|	|	|	|
133+ 0	0.0000	0.03	Q	|	|	|	|	138+10	0.0000	0.01	Q	|	|	|	|
133+ 5	0.0000	0.03	Q	|	|	|	|	138+15	0.0000	0.01	Q	|	|	|	|

```
  138+20       0.0000      0.01  Q         |         |         |         |
  138+25       0.0000      0.01  Q         |         |         |         |
  138+30       0.0000      0.01  Q         |         |         |         |
  138+35       0.0000      0.01  Q         |         |         |         |
  138+40       0.0000      0.01  Q         |         |         |         |
  138+45       0.0000      0.01  Q         |         |         |         |
  138+50       0.0000      0.01  Q         |         |         |         |
  138+55       0.0000      0.01  Q         |         |         |         |
  139+ 0       0.0000      0.01  Q         |         |         |         |
  139+ 5       0.0000      0.01  Q         |         |         |         |
  139+10       0.0000      0.01  Q         |         |         |         |
  139+15       0.0000      0.01  Q         |         |         |         |
  139+20       0.0000      0.01  Q         |         |         |         |
  139+25       0.0000      0.01  Q         |         |         |         |
  139+30       0.0000      0.01  Q         |         |         |         |
  139+35       0.0000      0.01  Q         |         |         |         |
  139+40       0.0000      0.01  Q         |         |         |         |
  139+45       0.0000      0.01  Q         |         |         |         |
  139+50       0.0000      0.01  Q         |         |         |         |
  139+55       0.0000      0.01  Q         |         |         |         |
---------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  1924
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      299.124 (CFS)
                        Total volume =      58.261 (Ac.Ft)
                 Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                 Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                 Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------
```

```
                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                     Study date: 04/15/25

------------------------------------------------------------------------


MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 6 HOUR
AREAS 5A,5B,5C & 5D (CHK BASINS 12 & 14)
04/15/2025
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: 5D100CHK6100.rte
****************************HYDROGRAPH DATA*****************************
                Number of intervals =    81
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =      148.349 (CFS)
                Total volume =      20.986 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.000 to Point/Station        5.100
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 81
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.198      3.070      0.187        0.209
  2.000      0.481      4.550      0.465        0.497
  3.000      0.853      5.660      0.834        0.872
  4.000      1.315      6.580      1.292        1.338
  5.000      1.982      7.590      1.956        2.008
  6.000      2.767      8.410      2.738        2.796
  7.000      3.668      9.150      3.636        3.700
  8.000      4.685      9.820      4.651        4.719
  9.000      5.819     10.460      5.783        5.855
 10.000      7.070     11.050      7.032        7.108
 11.000      8.446     14.360      8.397        8.495
 12.000      9.957     16.490      9.900       10.014
 13.000     11.602     18.160     11.539       11.665
 14.000     13.382    112.300     12.995       13.769
 15.000     15.296    283.100     14.321       16.271
 16.000     17.344    503.790     15.609       19.079
------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
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Graph values: 'I'= unit inflow; 'O'=outflow at time shown
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 Time   Inflow  Outflow    Storage                                  Depth
(Hours) (CFS)   (CFS)      (Ac.Ft) .0      37.1   74.17  111.26  148.35 (Ft.)
 0.083    1.03    0.05      0.003  O       |      |      |       |      0.02
 0.167    7.15    0.46      0.030  OI      |      |      |       |      0.15
 0.250   12.40    1.41      0.091  O I     |      |      |       |      0.46
 0.333   14.78    2.64      0.170  O  I    |      |      |       |      0.86
 0.417   15.93    3.37      0.255  O  I    |      |      |       |      1.20
 0.500   16.76    3.83      0.343  O  I    |      |      |       |      1.51
 0.583   18.36    4.31      0.436  O  I    |      |      |       |      1.84
 0.667   19.37    4.71      0.535  |O  I    |      |      |       |      2.14
 0.750   19.80    5.01      0.636  |O  I    |      |      |       |      2.42
 0.833   20.04    5.32      0.738  |O  I    |      |      |       |      2.69
 0.917   20.14    5.62      0.839  |O  I    |      |      |       |      2.96
 1.000   20.42    5.83      0.939  |O  I    |      |      |       |      3.19
 1.083   21.80    6.04      1.043  |O  I    |      |      |       |      3.41
 1.167   22.72    6.26      1.154  |O  I    |      |      |       |      3.65
 1.250   23.07    6.49      1.268  |O  I    |      |      |       |      3.90
 1.333   23.26    6.68      1.382  |O   I   |      |      |       |      4.10
 1.417   23.35    6.85      1.496  |O   I   |      |      |       |      4.27
 1.500   23.38    7.03      1.609  |O   I   |      |      |       |      4.44
 1.583   23.40    7.20      1.721  |O   I   |      |      |       |      4.61
 1.667   23.42    7.36      1.832  |O   I   |      |      |       |      4.78
 1.750   23.42    7.53      1.942  |O   I   |      |      |       |      4.94
 1.833   23.42    7.66      2.051  |O   I   |      |      |       |      5.09
 1.917   23.42    7.78      2.160  |O   I   |      |      |       |      5.23
 2.000   23.66    7.89      2.268  |O   I   |      |      |       |      5.36
 2.083   24.79    8.01      2.380  |O   I   |      |      |       |      5.51
 2.167   24.57    8.13      2.494  |O   I   |      |      |       |      5.65
 2.250   25.37    8.25      2.610  |O   I   |      |      |       |      5.80
 2.333   26.12    8.37      2.730  |O   I   |      |      |       |      5.95
 2.417   26.37    8.48      2.853  |O   I   |      |      |       |      6.10
 2.500   26.50    8.58      2.976  |O   I   |      |      |       |      6.23
 2.583   26.57    8.68      3.099  |O   I   |      |      |       |      6.37
 2.667   26.60    8.78      3.222  |O   I   |      |      |       |      6.51
 2.750   26.86    8.89      3.346  |O   I   |      |      |       |      6.64
 2.833   28.23    8.99      3.474  |O    I  |      |      |       |      6.78
 2.917   29.14    9.10      3.609  |O    I  |      |      |       |      6.93
 3.000   29.48    9.20      3.748  |O    I  |      |      |       |      7.08
 3.083   29.67    9.29      3.888  | O   I  |      |      |       |      7.22
 3.167   30.00    9.39      4.029  | O   I  |      |      |       |      7.35
 3.250   31.40    9.48      4.175  | O   I  |      |      |       |      7.50
 3.333   32.32    9.59      4.329  | O   I  |      |      |       |      7.65
 3.417   32.92    9.69      4.487  | O    I |      |      |       |      7.81
 3.500   34.72    9.80      4.653  | O    I |      |      |       |      7.97
 3.583   37.32    9.90      4.833  | O     I      |      |       |      8.13
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3.667	39.96	10.02	5.031	| O	I	|	|	|	8.30	8.833	0.00	13.85	8.234	I O	|	|	|	|	10.85
3.750	41.65	10.13	5.243	| O	I	|	|	|	8.49	8.917	0.00	13.62	8.139	I O	|	|	|	|	10.78
3.833	43.66	10.26	5.466	| O	|I	|	|	|	8.69	9.000	0.00	13.40	8.046	I O	|	|	|	|	10.71
3.917	45.12	10.39	5.701	| O	|I	|	|	|	8.90	9.083	0.00	13.18	7.955	I O	|	|	|	|	10.64
4.000	46.97	10.52	5.946	| O	| I	|	|	|	9.10	9.167	0.00	12.96	7.865	I O	|	|	|	|	10.58
4.083	48.37	10.64	6.201	| O	| I	|	|	|	9.31	9.250	0.00	12.75	7.776	I O	|	|	|	|	10.51
4.167	50.45	10.77	6.468	| O	| I	|	|	|	9.52	9.333	0.00	12.54	7.689	I O	|	|	|	|	10.45
4.250	53.21	10.90	6.750	| O	| I	|	|	|	9.74	9.417	0.00	12.33	7.603	I O	|	|	|	|	10.39
4.333	56.18	11.04	7.051	| O	| I	|	|	|	9.99	9.500	0.00	12.13	7.519	I O	|	|	|	|	10.33
4.417	59.26	11.77	7.370	| O	| I	|	|	|	10.22	9.583	0.00	11.93	7.436	I O	|	|	|	|	10.27
4.500	62.18	12.58	7.705	| O	| I	|	|	|	10.46	9.667	0.00	11.73	7.355	I O	|	|	|	|	10.21
4.583	64.00	13.41	8.050	| O	| I	|	|	|	10.71	9.750	0.00	11.54	7.275	I O	|	|	|	|	10.15
4.667	66.28	14.26	8.403	| O	| I	|	|	|	10.97	9.833	0.00	11.35	7.196	I O	|	|	|	|	10.09
4.750	69.14	14.82	8.769	| O	| I	|	|	|	11.21	9.917	0.00	11.17	7.118	I O	|	|	|	|	10.04
4.833	71.92	15.35	9.151	| O	| I|	|	|	|	11.47	10.000	0.00	11.04	7.042	I O	|	|	|	|	9.98
4.917	73.67	15.91	9.545	| O	| I|	|	|	|	11.73	10.083	0.00	11.00	6.966	I O	|	|	|	|	9.92
5.000	75.94	16.48	9.948	| O	| I	|	|	|	11.99	10.167	0.00	10.97	6.890	I O	|	|	|	|	9.86
5.083	79.74	16.91	10.369	| O	| |I	|	|	|	12.25	10.250	0.00	10.93	6.815	I O	|	|	|	|	9.80
5.167	89.16	17.38	10.833	| O	| | I	|	|	|	12.53	10.333	0.00	10.89	6.740	I O	|	|	|	|	9.74
5.250	101.82	17.92	11.369	| O	| | I	|	|	|	12.86	10.417	0.00	10.86	6.665	I O	|	|	|	|	9.68
5.333	113.18	35.31	11.926	| O|	| I	|	|	|	13.18	10.500	0.00	10.82	6.590	I O	|	|	|	|	9.62
5.417	123.99	60.97	12.411	| O	| | I	|	|	|	13.45	10.583	0.00	10.79	6.516	I O	|	|	|	|	9.56
5.500	138.17	82.57	12.820	| |O	| | I	|	|	|	13.68	10.667	0.00	10.75	6.442	I O	|	|	|	|	9.50
5.583	148.35	101.27	13.173	| | O	| | I	|	|	|	13.88	10.750	0.00	10.72	6.368	I O	|	|	|	|	9.44
5.667	106.41	109.31	13.326	| | IO|	|	|	|	13.97	10.833	0.00	10.68	6.294	I O	|	|	|	|	9.38
5.750	63.22	101.76	13.183	| | I	| O	|	|	|	13.89	10.917	0.00	10.65	6.220	I O	|	|	|	|	9.32
5.833	39.58	86.25	12.889	| I	| O	|	|	|	13.72	11.000	0.00	10.61	6.147	I O	|	|	|	|	9.26
5.917	25.85	69.75	12.578	| I |	O|	|	|	|	13.55	11.083	0.00	10.58	6.074	I O	|	|	|	|	9.20
6.000	16.26	54.75	12.294	| I | O	|	|	|	|	13.39	11.167	0.00	10.55	6.001	I O	|	|	|	|	9.15
6.083	10.28	41.97	12.052	| I |O	|	|	|	|	13.25	11.250	0.00	10.51	5.929	I O	|	|	|	|	9.09
6.167	5.43	31.46	11.853	|I O	|	|	|	|	13.14	11.333	0.00	10.48	5.857	I O	|	|	|	|	9.03
6.250	2.49	22.99	11.693	I O	|	|	|	|	13.05	11.417	0.00	10.44	5.785	I O	|	|	|	|	8.97
6.333	1.05	18.12	11.564	I O	|	|	|	|	12.98	11.500	0.00	10.40	5.713	I O	|	|	|	|	8.91
6.417	0.46	18.00	11.445	I O	|	|	|	|	12.90	11.583	0.00	10.36	5.641	I O	|	|	|	|	8.84
6.500	0.21	17.88	11.323	I O	|	|	|	|	12.83	11.667	0.00	10.32	5.570	I O	|	|	|	|	8.78
6.583	0.10	17.75	11.202	I O	|	|	|	|	12.76	11.750	0.00	10.28	5.499	I O	|	|	|	|	8.72
6.667	0.05	17.63	11.081	I O	|	|	|	|	12.68	11.833	0.00	10.24	5.429	I O	|	|	|	|	8.66
6.750	0.01	17.51	10.960	I O	|	|	|	|	12.61	11.917	0.00	10.20	5.358	I O	|	|	|	|	8.59
6.833	0.00	17.39	10.840	I O	|	|	|	|	12.54	12.000	0.00	10.16	5.288	I O	|	|	|	|	8.53
6.917	0.00	17.26	10.720	I O	|	|	|	|	12.46	12.083	0.00	10.12	5.218	I O	|	|	|	|	8.47
7.000	0.00	17.14	10.602	I O	|	|	|	|	12.39	12.167	0.00	10.08	5.149	I O	|	|	|	|	8.41
7.083	0.00	17.03	10.484	I O	|	|	|	|	12.32	12.250	0.00	10.04	5.079	I O	|	|	|	|	8.35
7.167	0.00	16.91	10.367	I O	|	|	|	|	12.25	12.333	0.00	10.00	5.010	I O	|	|	|	|	8.29
7.250	0.00	16.79	10.251	I O	|	|	|	|	12.18	12.417	0.00	9.96	4.942	I O	|	|	|	|	8.23
7.333	0.00	16.67	10.136	I O	|	|	|	|	12.11	12.500	0.00	9.93	4.873	I O	|	|	|	|	8.17
7.417	0.00	16.56	10.022	I O	|	|	|	|	12.04	12.583	0.00	9.89	4.805	I O	|	|	|	|	8.11
7.500	0.00	16.42	9.908	I O	|	|	|	|	11.97	12.667	0.00	9.85	4.737	I O	|	|	|	|	8.05
7.583	0.00	16.26	9.796	I O	|	|	|	|	11.89	12.750	0.00	9.81	4.669	I O	|	|	|	|	7.98
7.667	0.00	16.11	9.684	I O	|	|	|	|	11.82	12.833	0.00	9.77	4.602	I O	|	|	|	|	7.92
7.750	0.00	15.95	9.574	I O	|	|	|	|	11.75	12.917	0.00	9.72	4.535	I O	|	|	|	|	7.85
7.833	0.00	15.80	9.464	I O	|	|	|	|	11.67	13.000	0.00	9.68	4.468	I O	|	|	|	|	7.79
7.917	0.00	15.64	9.356	I O	|	|	|	|	11.60	13.083	0.00	9.63	4.401	I O	|	|	|	|	7.72
8.000	0.00	15.49	9.249	I O	|	|	|	|	11.53	13.167	0.00	9.59	4.335	I O	|	|	|	|	7.66
8.083	0.00	15.34	9.143	I O	|	|	|	|	11.46	13.250	0.00	9.55	4.269	I O	|	|	|	|	7.59
8.167	0.00	15.19	9.038	I O	|	|	|	|	11.39	13.333	0.00	9.50	4.204	I O	|	|	|	|	7.53
8.250	0.00	15.05	8.933	I O	|	|	|	|	11.32	13.417	0.00	9.46	4.138	I O	|	|	|	|	7.46
8.333	0.00	14.90	8.830	I O	|	|	|	|	11.25	13.500	0.00	9.42	4.073	I O	|	|	|	|	7.40
8.417	0.00	14.76	8.728	I O	|	|	|	|	11.19	13.583	0.00	9.37	4.009	I O	|	|	|	|	7.34
8.500	0.00	14.62	8.627	I O	|	|	|	|	11.12	13.667	0.00	9.33	3.944	I O	|	|	|	|	7.27
8.583	0.00	14.47	8.527	I O	|	|	|	|	11.05	13.750	0.00	9.29	3.880	I O	|	|	|	|	7.21
8.667	0.00	14.32	8.428	I O	|	|	|	|	10.99	13.833	0.00	9.25	3.816	IO	|	|	|	|	7.15
8.750	0.00	14.08	8.330	I O	|	|	|	|	10.92	13.917	0.00	9.21	3.753	IO	|	|	|	|	7.08

14.000	0.00	9.16	3.690	IO	|	|	|	|	7.02	19.167	0.00	4.82	0.572	IO	|	|	|	|	2.24
14.083	0.00	9.12	3.627	IO	|	|	|	|	6.95	19.250	0.00	4.72	0.539	IO	|	|	|	|	2.16
14.167	0.00	9.06	3.564	IO	|	|	|	|	6.88	19.333	0.00	4.63	0.507	O	|	|	|	|	2.07
14.250	0.00	9.01	3.502	IO	|	|	|	|	6.82	19.417	0.00	4.52	0.475	O	|	|	|	|	1.98
14.333	0.00	8.96	3.440	IO	|	|	|	|	6.75	19.500	0.00	4.36	0.444	O	|	|	|	|	1.87
14.417	0.00	8.91	3.378	IO	|	|	|	|	6.68	19.583	0.00	4.20	0.415	O	|	|	|	|	1.77
14.500	0.00	8.86	3.317	IO	|	|	|	|	6.61	19.667	0.00	4.06	0.387	O	|	|	|	|	1.67
14.583	0.00	8.81	3.256	IO	|	|	|	|	6.54	19.750	0.00	3.91	0.359	O	|	|	|	|	1.57
14.667	0.00	8.76	3.196	IO	|	|	|	|	6.48	19.833	0.00	3.77	0.333	O	|	|	|	|	1.48
14.750	0.00	8.71	3.136	IO	|	|	|	|	6.41	19.917	0.00	3.64	0.307	O	|	|	|	|	1.39
14.833	0.00	8.66	3.076	IO	|	|	|	|	6.34	20.000	0.00	3.51	0.282	O	|	|	|	|	1.30
14.917	0.00	8.61	3.016	IO	|	|	|	|	6.28	20.083	0.00	3.39	0.259	O	|	|	|	|	1.21
15.000	0.00	8.57	2.957	IO	|	|	|	|	6.21	20.167	0.00	3.27	0.236	O	|	|	|	|	1.13
15.083	0.00	8.52	2.898	IO	|	|	|	|	6.15	20.250	0.00	3.15	0.214	O	|	|	|	|	1.06
15.167	0.00	8.47	2.840	IO	|	|	|	|	6.08	20.333	0.00	2.99	0.193	O	|	|	|	|	0.97
15.250	0.00	8.42	2.782	IO	|	|	|	|	6.02	20.417	0.00	2.68	0.173	O	|	|	|	|	0.87
15.333	0.00	8.36	2.724	IO	|	|	|	|	5.94	20.500	0.00	2.41	0.156	O	|	|	|	|	0.79
15.417	0.00	8.30	2.666	IO	|	|	|	|	5.87	20.583	0.00	2.17	0.140	O	|	|	|	|	0.71
15.500	0.00	8.25	2.609	IO	|	|	|	|	5.80	20.667	0.00	1.95	0.126	O	|	|	|	|	0.63
15.583	0.00	8.19	2.553	IO	|	|	|	|	5.73	20.750	0.00	1.75	0.113	O	|	|	|	|	0.57
15.667	0.00	8.13	2.497	IO	|	|	|	|	5.66	20.833	0.00	1.57	0.101	O	|	|	|	|	0.51
15.750	0.00	8.07	2.441	IO	|	|	|	|	5.58	20.917	0.00	1.41	0.091	O	|	|	|	|	0.46
15.833	0.00	8.01	2.385	IO	|	|	|	|	5.51	21.000	0.00	1.27	0.082	O	|	|	|	|	0.41
15.917	0.00	7.95	2.330	IO	|	|	|	|	5.44	21.083	0.00	1.14	0.074	O	|	|	|	|	0.37
16.000	0.00	7.90	2.276	IO	|	|	|	|	5.37	21.167	0.00	1.03	0.066	O	|	|	|	|	0.33
16.083	0.00	7.84	2.222	IO	|	|	|	|	5.31	21.250	0.00	0.92	0.059	O	|	|	|	|	0.30
16.167	0.00	7.78	2.168	IO	|	|	|	|	5.24	21.333	0.00	0.83	0.053	O	|	|	|	|	0.27
16.250	0.00	7.73	2.114	IO	|	|	|	|	5.17	21.417	0.00	0.74	0.048	O	|	|	|	|	0.24
16.333	0.00	7.67	2.061	IO	|	|	|	|	5.10	21.500	0.00	0.67	0.043	O	|	|	|	|	0.22
16.417	0.00	7.62	2.009	IO	|	|	|	|	5.03	21.583	0.00	0.60	0.039	O	|	|	|	|	0.20
16.500	0.00	7.55	1.957	IO	|	|	|	|	4.96	21.667	0.00	0.54	0.035	O	|	|	|	|	0.18
16.583	0.00	7.47	1.905	IO	|	|	|	|	4.88	21.750	0.00	0.49	0.031	O	|	|	|	|	0.16
16.667	0.00	7.40	1.854	IO	|	|	|	|	4.81	21.833	0.00	0.44	0.028	O	|	|	|	|	0.14
16.750	0.00	7.32	1.803	IO	|	|	|	|	4.73	21.917	0.00	0.39	0.025	O	|	|	|	|	0.13
16.833	0.00	7.24	1.753	IO	|	|	|	|	4.66	22.000	0.00	0.35	0.023	O	|	|	|	|	0.11
16.917	0.00	7.17	1.703	IO	|	|	|	|	4.58	22.083	0.00	0.32	0.020	O	|	|	|	|	0.10
17.000	0.00	7.09	1.654	IO	|	|	|	|	4.51	22.167	0.00	0.28	0.018	O	|	|	|	|	0.09
17.083	0.00	7.02	1.605	IO	|	|	|	|	4.44	22.250	0.00	0.26	0.016	O	|	|	|	|	0.08
17.167	0.00	6.95	1.557	IO	|	|	|	|	4.36	22.333	0.00	0.23	0.015	O	|	|	|	|	0.07
17.250	0.00	6.87	1.510	IO	|	|	|	|	4.29	22.417	0.00	0.21	0.013	O	|	|	|	|	0.07
17.333	0.00	6.80	1.463	IO	|	|	|	|	4.22	22.500	0.00	0.19	0.012	O	|	|	|	|	0.06
17.417	0.00	6.73	1.416	IO	|	|	|	|	4.15	22.583	0.00	0.17	0.011	O	|	|	|	|	0.05
17.500	0.00	6.66	1.370	IO	|	|	|	|	4.08	22.667	0.00	0.15	0.010	O	|	|	|	|	0.05
17.583	0.00	6.59	1.324	IO	|	|	|	|	4.01	22.750	0.00	0.13	0.009	O	|	|	|	|	0.04
17.667	0.00	6.51	1.279	IO	|	|	|	|	3.92	22.833	0.00	0.12	0.008	O	|	|	|	|	0.04
17.750	0.00	6.42	1.235	IO	|	|	|	|	3.83	22.917	0.00	0.11	0.007	O	|	|	|	|	0.04
17.833	0.00	6.33	1.191	IO	|	|	|	|	3.73	23.000	0.00	0.10	0.006	O	|	|	|	|	0.03
17.917	0.00	6.25	1.147	IO	|	|	|	|	3.64	23.083	0.00	0.09	0.006	O	|	|	|	|	0.03
18.000	0.00	6.16	1.105	IO	|	|	|	|	3.54	23.167	0.00	0.08	0.005	O	|	|	|	|	0.03
18.083	0.00	6.08	1.063	IO	|	|	|	|	3.45	23.250	0.00	0.07	0.005	O	|	|	|	|	0.02
18.167	0.00	5.99	1.021	IO	|	|	|	|	3.36	23.333	0.00	0.06	0.004	O	|	|	|	|	0.02
18.250	0.00	5.91	0.980	IO	|	|	|	|	3.27	23.417	0.00	0.06	0.004	O	|	|	|	|	0.02
18.333	0.00	5.83	0.939	IO	|	|	|	|	3.19	23.500	0.00	0.05	0.003	O	|	|	|	|	0.02
18.417	0.00	5.75	0.900	IO	|	|	|	|	3.10	23.583	0.00	0.05	0.003	O	|	|	|	|	0.02
18.500	0.00	5.67	0.860	IO	|	|	|	|	3.02	23.667	0.00	0.04	0.003	O	|	|	|	|	0.01
18.583	0.00	5.57	0.822	IO	|	|	|	|	2.92	23.750	0.00	0.04	0.002	O	|	|	|	|	0.01
18.667	0.00	5.45	0.784	IO	|	|	|	|	2.81	23.833	0.00	0.03	0.002	O	|	|	|	|	0.01
18.750	0.00	5.34	0.746	IO	|	|	|	|	2.71	23.917	0.00	0.03	0.002	O	|	|	|	|	0.01
18.833	0.00	5.23	0.710	IO	|	|	|	|	2.62	24.000	0.00	0.03	0.002	O	|	|	|	|	0.01
18.917	0.00	5.13	0.674	IO	|	|	|	|	2.52	24.083	0.00	0.02	0.002	O	|	|	|	|	0.01
19.000	0.00	5.02	0.639	IO	|	|	|	|	2.43	24.167	0.00	0.02	0.001	O	|	|	|	|	0.01
19.083	0.00	4.92	0.605	IO	|	|	|	|	2.33	24.250	0.00	0.02	0.001	O	|	|	|	|	0.01

```
24.333    0.00    0.02      0.001  O       |       |       |       |     0.01
24.417    0.00    0.02      0.001  O       |       |       |       |     0.01
24.500    0.00    0.01      0.001  O       |       |       |       |     0.00
24.583    0.00    0.01      0.001  O       |       |       |       |     0.00
24.667    0.00    0.01      0.001  O       |       |       |       |     0.00
24.750    0.00    0.01      0.001  O       |       |       |       |     0.00
24.833    0.00    0.01      0.001  O       |       |       |       |     0.00
24.917    0.00    0.01      0.001  O       |       |       |       |     0.00
25.000    0.00    0.01      0.000  O       |       |       |       |     0.00
25.083    0.00    0.01      0.000  O       |       |       |       |     0.00
25.167    0.00    0.01      0.000  O       |       |       |       |     0.00
25.250    0.00    0.01      0.000  O       |       |       |       |     0.00
25.333    0.00    0.00      0.000  O       |       |       |       |     0.00
25.417    0.00    0.00      0.000  O       |       |       |       |     0.00
25.500    0.00    0.00      0.000  O       |       |       |       |     0.00
25.583    0.00    0.00      0.000  O       |       |       |       |     0.00
25.667    0.00    0.00      0.000  O       |       |       |       |     0.00
25.750    0.00    0.00      0.000  O       |       |       |       |     0.00

****************************HYDROGRAPH DATA****************************
                Number of intervals =   309
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =      109.314 (CFS)
                Total volume =      20.986 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
***********************************************************************

-----------------------------------------------------------------------


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Process from Point/Station        5.100 to Point/Station        5.300
**** STREAM ROUTING SCS CONVEX METHOD ****
_______________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    728.00 (Ft.)
Elevation difference =   30.00 (Ft.)
Slope of channel =  0.041209 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   728.00(Ft.)   Elevation difference =  30.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =    17.518(CFS)
Given pipe size =     48.00(In.)
Calculated individual pipe flow  =    17.518(CFS)
Normal flow depth in pipe =    7.98(In.)
Flow top width inside pipe =   35.74(In.)
Critical Depth =    1.23(Ft.)
Pipe flow velocity =     12.77(Ft/s)
Travel time through pipe =    0.95 min.


Pipe length  =   728.00(Ft.)   Elevation difference =  30.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =   109.314(CFS)
Given pipe size =     48.00(In.)
Calculated individual pipe flow  =   109.314(CFS)
Normal flow depth in pipe =   20.37(In.)
Flow top width inside pipe =   47.45(In.)
Critical Depth =    3.16(Ft.)
Pipe flow velocity =     21.54(Ft/s)
Travel time through pipe =    0.56 min.


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.9269   Travel time =   0.56 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   6.7188
        dt(routing time-step) =   0.52 (min.),   c* =   1.0000

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
              R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)
------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       27.3      54.7      82.0     109.3
------------------------------------------------------------------------
  0+ 5       0.0469      0.05  O       |         |         |         |
  0+10       0.4190      0.46  O       |         |         |         |
  0+15       1.3072      1.41  O       |         |         |         |
  0+20       2.5121      2.64  O       |         |         |         |
  0+25       3.2940      3.37  |O      |         |         |         |
  0+30       3.7812      3.83  |O      |         |         |         |
  0+35       4.2640      4.31  |O      |         |         |         |
  0+40       4.6694      4.71  |O      |         |         |         |
  0+45       4.9817      5.01  |O      |         |         |         |
  0+50       5.2848      5.32  |O      |         |         |         |
  0+55       5.5857      5.62  | O     |         |         |         |
  1+ 0       5.8086      5.83  | O     |         |         |         |
  1+ 5       6.0173      6.04  | O     |         |         |         |
  1+10       6.2369      6.26  | O     |         |         |         |
  1+15       6.4628      6.49  | O     |         |         |         |
  1+20       6.6614      6.68  | O     |         |         |         |
  1+25       6.8362      6.85  | O     |         |         |         |
  1+30       7.0076      7.03  | O     |         |         |         |
  1+35       7.1776      7.20  | O     |         |         |         |
  1+40       7.3459      7.36  | O     |         |         |         |
  1+45       7.5127      7.53  | O     |         |         |         |
  1+50       7.6487      7.66  | O     |         |         |         |
  1+55       7.7637      7.78  | O     |         |         |         |
  2+ 0       7.8767      7.89  | O     |         |         |         |
  2+ 5       7.9934      8.01  | O     |         |         |         |
  2+10       8.1127      8.13  | O     |         |         |         |
  2+15       8.2333      8.25  |  O    |         |         |         |
  2+20       8.3583      8.37  |  O    |         |         |         |
  2+25       8.4690      8.48  |  O    |         |         |         |
  2+30       8.5711      8.58  |  O    |         |         |         |
  2+35       8.6723      8.68  |  O    |         |         |         |
  2+40       8.7734      8.78  |  O    |         |         |         |
  2+45       8.8746      8.89  |  O    |         |         |         |
```

2+50	8.9794	8.99	O					
2+55	9.0898	9.10	O					
3+ 0	9.1920	9.20	O					
3+ 5	9.2851	9.29	O					
3+10	9.3780	9.39	O					
3+15	9.4741	9.48	O					
3+20	9.5749	9.59	O					
3+25	9.6789	9.69	O					
3+30	9.7876	9.80	O					
3+35	9.8928	9.90	O					
3+40	10.0036	10.02	O					
3+45	10.1222	10.13	O					
3+50	10.2476	10.26	O					
3+55	10.3794	10.39	O					
4+ 0	10.5066	10.52	O					
4+ 5	10.6277	10.64	O					
4+10	10.7529	10.77	O					
4+15	10.8853	10.90	O					
4+20	11.0264	11.04	O					
4+25	11.6960	11.77	O					
4+30	12.4926	12.58	O					
4+35	13.3199	13.41	O					
4+40	14.1678	14.26	O					
4+45	14.7573	14.82	O					
4+50	15.2977	15.35	O					
4+55	15.8509	15.91	O					
5+ 0	16.4184	16.48	O					
5+ 5	16.8638	16.91	O					
5+10	17.3302	17.38	O					
5+15	17.8668	17.92	O					
5+20	33.4906	35.31		O				
5+25	58.2869	60.97			OI			
5+30	80.3133	82.57				OI		
5+35	99.3162	101.27					OI	
5+40	108.4740	109.31						OI
5+45	102.5528	101.76					O	
5+50	87.8664	86.25				IO		
5+55	71.4748	69.75			IO			
6+ 0	56.3151	54.75			O			
6+ 5	43.3027	41.97		O				
6+10	32.5550	31.46	O					
6+15	23.8705	22.99		O				
6+20	18.6292	18.12	O					
6+25	18.0130	18.00	O					
6+30	17.8901	17.88	O					
6+35	17.7667	17.75	O					
6+40	17.6435	17.63	O					
6+45	17.5208	17.51	O					
6+50	17.3988	17.39	O					
6+55	17.2776	17.26	O					
7+ 0	17.1572	17.14	O					
7+ 5	17.0377	17.03	O					
7+10	16.9189	16.91	O					
7+15	16.8011	16.79	O					
7+20	16.6840	16.67	O					
7+25	16.5678	16.56	O					
7+30	16.4351	16.42	O					
7+35	16.2790	16.26	O					
7+40	16.1217	16.11	O					
7+45	15.9659	15.95	O					
7+50	15.8117	15.80	O					
7+55	15.6589	15.64	O					
8+ 0	15.5076	15.49	O					
8+ 5	15.3578	15.34	O					
8+10	15.2094	15.19	O					
8+15	15.0625	15.05	O					
8+20	14.9169	14.90	O					
8+25	14.7728	14.76	O					
8+30	14.6301	14.62	O					
8+35	14.4887	14.47	O					
8+40	14.3326	14.32	O					
8+45	14.1054	14.08	O					
8+50	13.8736	13.85	O					
8+55	13.6457	13.62	O					
9+ 0	13.4215	13.40	O					
9+ 5	13.2009	13.18	O					
9+10	12.9840	12.96	O					
9+15	12.7707	12.75	O					
9+20	12.5609	12.54	O					
9+25	12.3545	12.33	O					
9+30	12.1515	12.13	O					
9+35	11.9518	11.93	O					
9+40	11.7554	11.73	O					
9+45	11.5623	11.54	O					
9+50	11.3723	11.35	O					
9+55	11.1855	11.17	O					
10+ 0	11.0502	11.04	O					
10+ 5	11.0046	11.00	O					
10+10	10.9689	10.97	O					
10+15	10.9334	10.93	IO					
10+20	10.8979	10.89	O					
10+25	10.8626	10.86	O					
10+30	10.8274	10.82	O					
10+35	10.7922	10.79	O					
10+40	10.7572	10.75	O					
10+45	10.7224	10.72	O					
10+50	10.6876	10.68	O					
10+55	10.6529	10.65	O					
11+ 0	10.6184	10.61	O					
11+ 5	10.5840	10.58	O					
11+10	10.5496	10.55	O					
11+15	10.5154	10.51	O					
11+20	10.4813	10.48	O					
11+25	10.4445	10.44	O					
11+30	10.4043	10.40	O					
11+35	10.3640	10.36	O					
11+40	10.3238	10.32	O					
11+45	10.2837	10.28	O					
11+50	10.2438	10.24	O					
11+55	10.2041	10.20	O					
12+ 0	10.1645	10.16	O					
12+ 5	10.1251	10.12	O					
12+10	10.0858	10.08	O					
12+15	10.0467	10.04	O					
12+20	10.0077	10.00	O					
12+25	9.9689	9.96	O					
12+30	9.9302	9.93	O					
12+35	9.8917	9.89	O					
12+40	9.8533	9.85	O					
12+45	9.8137	9.81	O					
12+50	9.7698	9.77	O					
12+55	9.7256	9.72	O					
13+ 0	9.6816	9.68	O					
13+ 5	9.6377	9.63	O					

13+10	9.5941	9.59	| O	|	|	|	|	18+20	5.8407	5.83	| O	|	|	|	|
13+15	9.5507	9.55	| O	|	|	|	|	18+25	5.7611	5.75	| O	|	|	|	|
13+20	9.5074	9.50	| O	|	|	|	|	18+30	5.6826	5.67	| O	|	|	|	|
13+25	9.4644	9.46	| O	|	|	|	|	18+35	5.5775	5.57	| O	|	|	|	|
13+30	9.4216	9.42	| O	|	|	|	|	18+40	5.4647	5.45	|O	|	|	|	|
13+35	9.3789	9.37	| O	|	|	|	|	18+45	5.3536	5.34	|O	|	|	|	|
13+40	9.3364	9.33	| O	|	|	|	|	18+50	5.2447	5.23	|O	|	|	|	|
13+45	9.2942	9.29	| O	|	|	|	|	18+55	5.1380	5.13	|O	|	|	|	|
13+50	9.2521	9.25	| O	|	|	|	|	19+ 0	5.0335	5.02	|O	|	|	|	|
13+55	9.2102	9.21	| O	|	|	|	|	19+ 5	4.9311	4.92	|O	|	|	|	|
14+ 0	9.1685	9.16	| O	|	|	|	|	19+10	4.8308	4.82	|O	|	|	|	|
14+ 5	9.1210	9.12	| O	|	|	|	|	19+15	4.7325	4.72	|O	|	|	|	|
14+10	9.0699	9.06	| O	|	|	|	|	19+20	4.6363	4.63	|O	|	|	|	|
14+15	9.0188	9.01	| O	|	|	|	|	19+25	4.5301	4.52	|O	|	|	|	|
14+20	8.9679	8.96	| O	|	|	|	|	19+30	4.3758	4.36	|O	|	|	|	|
14+25	8.9173	8.91	| O	|	|	|	|	19+35	4.2209	4.20	|O	|	|	|	|
14+30	8.8670	8.86	| O	|	|	|	|	19+40	4.0716	4.06	|O	|	|	|	|
14+35	8.8170	8.81	| O	|	|	|	|	19+45	3.9275	3.91	|O	|	|	|	|
14+40	8.7673	8.76	| O	|	|	|	|	19+50	3.7886	3.77	|O	|	|	|	|
14+45	8.7178	8.71	| O	|	|	|	|	19+55	3.6546	3.64	|O	|	|	|	|
14+50	8.6686	8.66	| O	|	|	|	|	20+ 0	3.5253	3.51	|O	|	|	|	|
14+55	8.6198	8.61	| O	|	|	|	|	20+ 5	3.4005	3.39	|O	|	|	|	|
15+ 0	8.5711	8.57	| O	|	|	|	|	20+10	3.2802	3.27	|O	|	|	|	|
15+ 5	8.5228	8.52	| O	|	|	|	|	20+15	3.1642	3.15	|O	|	|	|	|
15+10	8.4747	8.47	| O	|	|	|	|	20+20	3.0031	2.99	|O	|	|	|	|
15+15	8.4269	8.42	| O	|	|	|	|	20+25	2.7146	2.68	O	|	|	|	|
15+20	8.3708	8.36	| O	|	|	|	|	20+30	2.4394	2.41	O	|	|	|	|
15+25	8.3111	8.30	| O	|	|	|	|	20+35	2.1921	2.17	O	|	|	|	|
15+30	8.2515	8.25	| O	|	|	|	|	20+40	1.9699	1.95	O	|	|	|	|
15+35	8.1924	8.19	| O	|	|	|	|	20+45	1.7702	1.75	O	|	|	|	|
15+40	8.1336	8.13	| O	|	|	|	|	20+50	1.5908	1.57	O	|	|	|	|
15+45	8.0753	8.07	| O	|	|	|	|	20+55	1.4295	1.41	O	|	|	|	|
15+50	8.0174	8.01	| O	|	|	|	|	21+ 0	1.2846	1.27	O	|	|	|	|
15+55	7.9600	7.95	| O	|	|	|	|	21+ 5	1.1544	1.14	O	|	|	|	|
16+ 0	7.9029	7.90	| O	|	|	|	|	21+10	1.0374	1.03	O	|	|	|	|
16+ 5	7.8463	7.84	| O	|	|	|	|	21+15	0.9322	0.92	O	|	|	|	|
16+10	7.7900	7.78	| O	|	|	|	|	21+20	0.8377	0.83	O	|	|	|	|
16+15	7.7342	7.73	| O	|	|	|	|	21+25	0.7528	0.74	O	|	|	|	|
16+20	7.6787	7.67	| O	|	|	|	|	21+30	0.6765	0.67	O	|	|	|	|
16+25	7.6237	7.62	| O	|	|	|	|	21+35	0.6079	0.60	O	|	|	|	|
16+30	7.5584	7.55	| O	|	|	|	|	21+40	0.5463	0.54	O	|	|	|	|
16+35	7.4812	7.47	| O	|	|	|	|	21+45	0.4909	0.49	O	|	|	|	|
16+40	7.4036	7.40	| O	|	|	|	|	21+50	0.4411	0.44	O	|	|	|	|
16+45	7.3268	7.32	| O	|	|	|	|	21+55	0.3964	0.39	O	|	|	|	|
16+50	7.2508	7.24	| O	|	|	|	|	22+ 0	0.3562	0.35	O	|	|	|	|
16+55	7.1756	7.17	| O	|	|	|	|	22+ 5	0.3201	0.32	O	|	|	|	|
17+ 0	7.1011	7.09	| O	|	|	|	|	22+10	0.2877	0.28	O	|	|	|	|
17+ 5	7.0275	7.02	| O	|	|	|	|	22+15	0.2585	0.26	O	|	|	|	|
17+10	6.9546	6.95	| O	|	|	|	|	22+20	0.2323	0.23	O	|	|	|	|
17+15	6.8824	6.87	| O	|	|	|	|	22+25	0.2088	0.21	O	|	|	|	|
17+20	6.8110	6.80	| O	|	|	|	|	22+30	0.1876	0.19	O	|	|	|	|
17+25	6.7404	6.73	| O	|	|	|	|	22+35	0.1686	0.17	O	|	|	|	|
17+30	6.6704	6.66	| O	|	|	|	|	22+40	0.1515	0.15	O	|	|	|	|
17+35	6.6012	6.59	| O	|	|	|	|	22+45	0.1361	0.13	O	|	|	|	|
17+40	6.5175	6.51	| O	|	|	|	|	22+50	0.1223	0.12	O	|	|	|	|
17+45	6.4292	6.42	| O	|	|	|	|	22+55	0.1099	0.11	O	|	|	|	|
17+50	6.3416	6.33	| O	|	|	|	|	23+ 0	0.0988	0.10	O	|	|	|	|
17+55	6.2552	6.25	| O	|	|	|	|	23+ 5	0.0888	0.09	O	|	|	|	|
18+ 0	6.1700	6.16	| O	|	|	|	|	23+10	0.0798	0.08	O	|	|	|	|
18+ 5	6.0860	6.08	| O	|	|	|	|	23+15	0.0717	0.07	O	|	|	|	|
18+10	6.0031	5.99	| O	|	|	|	|	23+20	0.0644	0.06	O	|	|	|	|
18+15	5.9213	5.91	| O	|	|	|	|	23+25	0.0579	0.06	O	|	|	|	|

```
  23+30       0.0520      0.05  O         |         |         |         |
  23+35       0.0467      0.05  O         |         |         |         |
  23+40       0.0420      0.04  O         |         |         |         |
  23+45       0.0377      0.04  O         |         |         |         |
  23+50       0.0339      0.03  O         |         |         |         |
  23+55       0.0305      0.03  O         |         |         |         |
  24+ 0       0.0274      0.03  O         |         |         |         |
  24+ 5       0.0246      0.02  O         |         |         |         |
  24+10       0.0221      0.02  O         |         |         |         |
  24+15       0.0199      0.02  O         |         |         |         |
  24+20       0.0179      0.02  O         |         |         |         |
  24+25       0.0161      0.02  O         |         |         |         |
  24+30       0.0144      0.01  O         |         |         |         |
  24+35       0.0130      0.01  O         |         |         |         |
  24+40       0.0116      0.01  O         |         |         |         |
  24+45       0.0105      0.01  O         |         |         |         |
  24+50       0.0094      0.01  O         |         |         |         |
  24+55       0.0085      0.01  O         |         |         |         |
  25+ 0       0.0076      0.01  O         |         |         |         |
  25+ 5       0.0068      0.01  O         |         |         |         |
  25+10       0.0061      0.01  O         |         |         |         |
  25+15       0.0055      0.01  O         |         |         |         |
  25+20       0.0050      0.00  O         |         |         |         |
  25+25       0.0045      0.00  O         |         |         |         |
  25+30       0.0040      0.00  O         |         |         |         |
  25+35       0.0036      0.00  O         |         |         |         |
  25+40       0.0032      0.00  O         |         |         |         |
  25+45       0.0029      0.00  O         |         |         |         |
  25+50       0.0000      0.00  O         |         |         |         |
--------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =   310
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      108.474 (CFS)
                        Total volume =      20.986 (Ac.Ft)
                  Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                  Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                  Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.100 to Point/Station        5.300
        **** FLOWBY BASIN ROUTING OR SPLIT FLOW ****
        _____________________________________________________________________
        All flow in excess of     3.00(CFS) is diverted
        into stream number 4
        Total volume of excess flow diverted into flowby
        basin (stream number 4 ) is      15.81(Ac.Ft)
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                     Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
  Time(h+m) Volume(Ac.Ft)   Q(CFS)  0        0.8       1.5       2.3       3.0
  ----------------------------------------------------------------------
    0+ 5       0.0003      0.05  Q         |         |         |         |
    0+10       0.0032      0.42  V    Q    |         |         |         |
    0+15       0.0122      1.31  V         |      Q  |         |         |
    0+20       0.0295      2.51  V         |         |         |  Q      |
    0+25       0.0502      3.00  V         |         |         |         Q
    0+30       0.0708      3.00  V         |         |         |         Q
    0+35       0.0915      3.00  V         |         |         |         Q
    0+40       0.1122      3.00  V         |         |         |         Q
    0+45       0.1328      3.00   V        |         |         |         Q
    0+50       0.1535      3.00  |V        |         |         |         Q
    0+55       0.1741      3.00  |V        |         |         |         Q
    1+ 0       0.1948      3.00  |V        |         |         |         Q
    1+ 5       0.2155      3.00  |V        |         |         |         Q
    1+10       0.2361      3.00  |V        |         |         |         Q
    1+15       0.2568      3.00  |V        |         |         |         Q
    1+20       0.2774      3.00  | V       |         |         |         Q
    1+25       0.2981      3.00  | V       |         |         |         Q
    1+30       0.3188      3.00  | V       |         |         |         Q
    1+35       0.3394      3.00  | V       |         |         |         Q
    1+40       0.3601      3.00  | V       |         |         |         Q
    1+45       0.3808      3.00  | V       |         |         |         Q
    1+50       0.4014      3.00  |  V      |         |         |         Q
    1+55       0.4221      3.00  |  V      |         |         |         Q
    2+ 0       0.4427      3.00  |  V      |         |         |         Q
    2+ 5       0.4634      3.00  |  V      |         |         |         Q
    2+10       0.4841      3.00  |  V      |         |         |         Q
    2+15       0.5047      3.00  |  V      |         |         |         Q
    2+20       0.5254      3.00  |   V     |         |         |         Q
    2+25       0.5460      3.00  |   V     |         |         |         Q
    2+30       0.5667      3.00  |   V     |         |         |         Q
    2+35       0.5874      3.00  |   V     |         |         |         Q
    2+40       0.6080      3.00  |   V     |         |         |         Q
    2+45       0.6287      3.00  |   V     |         |         |         Q
    2+50       0.6493      3.00  |    V    |         |         |         Q
    2+55       0.6700      3.00  |    V    |         |         |         Q
    3+ 0       0.6907      3.00  |    V    |         |         |         Q
    3+ 5       0.7113      3.00  |    V    |         |         |         Q
    3+10       0.7320      3.00  |    V    |         |         |         Q
    3+15       0.7527      3.00  |    V    |         |         |         Q
    3+20       0.7733      3.00  |    V    |         |         |         Q
    3+25       0.7940      3.00  |     V   |         |         |         Q
    3+30       0.8146      3.00  |     V   |         |         |         Q
    3+35       0.8353      3.00  |     V   |         |         |         Q
    3+40       0.8560      3.00  |     V   |         |         |         Q
    3+45       0.8766      3.00  |     V   |         |         |         Q
    3+50       0.8973      3.00  |     V   |         |         |         Q
    3+55       0.9179      3.00  |      V  |         |         |         Q
    4+ 0       0.9386      3.00  |      V  |         |         |         Q
    4+ 5       0.9593      3.00  |      V  |         |         |         Q
    4+10       0.9799      3.00  |      V  |         |         |         Q
    4+15       1.0006      3.00  |      V  |         |         |         Q
    4+20       1.0212      3.00  |      V  |         |         |         Q
    4+25       1.0419      3.00  |       V |         |         |         Q
    4+30       1.0626      3.00  |       V |         |         |         Q
    4+35       1.0832      3.00  |       V |         |         |         Q
    4+40       1.1039      3.00  |       V |         |         |         Q
    4+45       1.1246      3.00  |       V |         |         |         Q
    4+50       1.1452      3.00  |       V |         |         |         Q
    4+55       1.1659      3.00  |        V|         |         |         Q
    5+ 0       1.1865      3.00  |        V|         |         |         Q
    5+ 5       1.2072      3.00  |        V|         |         |         Q
    5+10       1.2279      3.00  |        V|         |         |         Q
    5+15       1.2485      3.00  |        V|         |         |         Q
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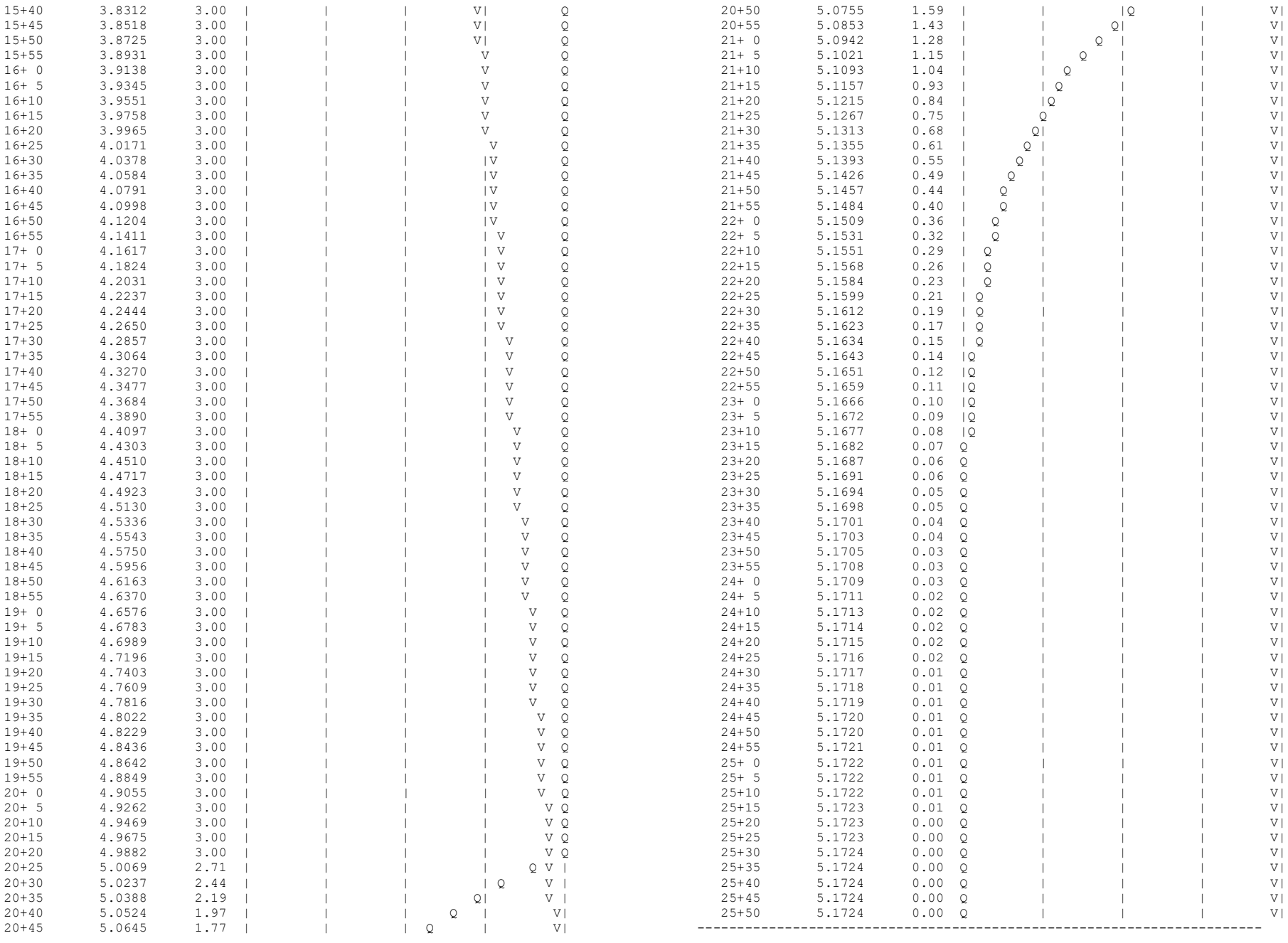
5+20	1.2692	3.00		V				Q	10+30	2.5502	3.00			V			Q
5+25	1.2898	3.00		V				Q	10+35	2.5708	3.00			V			Q
5+30	1.3105	3.00		V				Q	10+40	2.5915	3.00			V			Q
5+35	1.3312	3.00		V				Q	10+45	2.6122	3.00			V			Q
5+40	1.3518	3.00		V				Q	10+50	2.6328	3.00			V			Q
5+45	1.3725	3.00		V				Q	10+55	2.6535	3.00			V			Q
5+50	1.3931	3.00		V				Q	11+ 0	2.6741	3.00			V			Q
5+55	1.4138	3.00		V				Q	11+ 5	2.6948	3.00			V			Q
6+ 0	1.4345	3.00		V				Q	11+10	2.7155	3.00			V			Q
6+ 5	1.4551	3.00			V			Q	11+15	2.7361	3.00				V		Q
6+10	1.4758	3.00			V			Q	11+20	2.7568	3.00				V		Q
6+15	1.4965	3.00			V			Q	11+25	2.7774	3.00				V		Q
6+20	1.5171	3.00			V			Q	11+30	2.7981	3.00				V		Q
6+25	1.5378	3.00			V			Q	11+35	2.8188	3.00				V		Q
6+30	1.5584	3.00			V			Q	11+40	2.8394	3.00				V		Q
6+35	1.5791	3.00			V			Q	11+45	2.8601	3.00				V		Q
6+40	1.5998	3.00			V			Q	11+50	2.8808	3.00				V		Q
6+45	1.6204	3.00			V			Q	11+55	2.9014	3.00				V		Q
6+50	1.6411	3.00			V			Q	12+ 0	2.9221	3.00				V		Q
6+55	1.6617	3.00			V			Q	12+ 5	2.9427	3.00				V		Q
7+ 0	1.6824	3.00			V			Q	12+10	2.9634	3.00				V		Q
7+ 5	1.7031	3.00			V			Q	12+15	2.9841	3.00				V		Q
7+10	1.7237	3.00			V			Q	12+20	3.0047	3.00				V		Q
7+15	1.7444	3.00			V			Q	12+25	3.0254	3.00				V		Q
7+20	1.7650	3.00			V			Q	12+30	3.0460	3.00				V		Q
7+25	1.7857	3.00			V			Q	12+35	3.0667	3.00				V		Q
7+30	1.8064	3.00			V			Q	12+40	3.0874	3.00				V		Q
7+35	1.8270	3.00			V			Q	12+45	3.1080	3.00				V		Q
7+40	1.8477	3.00			V			Q	12+50	3.1287	3.00				V		Q
7+45	1.8684	3.00			V			Q	12+55	3.1493	3.00				V		Q
7+50	1.8890	3.00			V			Q	13+ 0	3.1700	3.00				V		Q
7+55	1.9097	3.00			V			Q	13+ 5	3.1907	3.00				V		Q
8+ 0	1.9303	3.00			V			Q	13+10	3.2113	3.00				V		Q
8+ 5	1.9510	3.00			V			Q	13+15	3.2320	3.00				V		Q
8+10	1.9717	3.00			V			Q	13+20	3.2527	3.00				V		Q
8+15	1.9923	3.00			V			Q	13+25	3.2733	3.00				V		Q
8+20	2.0130	3.00			V			Q	13+30	3.2940	3.00				V		Q
8+25	2.0336	3.00			V			Q	13+35	3.3146	3.00				V		Q
8+30	2.0543	3.00			V			Q	13+40	3.3353	3.00				V		Q
8+35	2.0750	3.00			V			Q	13+45	3.3560	3.00				V		Q
8+40	2.0956	3.00			V			Q	13+50	3.3766	3.00				V		Q
8+45	2.1163	3.00			V			Q	13+55	3.3973	3.00				V		Q
8+50	2.1370	3.00			V			Q	14+ 0	3.4179	3.00				V		Q
8+55	2.1576	3.00			V			Q	14+ 5	3.4386	3.00				V		Q
9+ 0	2.1783	3.00			V			Q	14+10	3.4593	3.00				V		Q
9+ 5	2.1989	3.00			V			Q	14+15	3.4799	3.00				V		Q
9+10	2.2196	3.00			V			Q	14+20	3.5006	3.00				V		Q
9+15	2.2403	3.00			V			Q	14+25	3.5212	3.00				V		Q
9+20	2.2609	3.00			V			Q	14+30	3.5419	3.00				V		Q
9+25	2.2816	3.00			V			Q	14+35	3.5626	3.00				V		Q
9+30	2.3022	3.00			V			Q	14+40	3.5832	3.00				V		Q
9+35	2.3229	3.00			V			Q	14+45	3.6039	3.00				V		Q
9+40	2.3436	3.00			V			Q	14+50	3.6246	3.00				V		Q
9+45	2.3642	3.00			V			Q	14+55	3.6452	3.00				V		Q
9+50	2.3849	3.00			V			Q	15+ 0	3.6659	3.00				V		Q
9+55	2.4055	3.00			V			Q	15+ 5	3.6865	3.00				V		Q
10+ 0	2.4262	3.00			V			Q	15+10	3.7072	3.00				V		Q
10+ 5	2.4469	3.00			V			Q	15+15	3.7279	3.00				V		Q
10+10	2.4675	3.00			V			Q	15+20	3.7485	3.00				V		Q
10+15	2.4882	3.00			V			Q	15+25	3.7692	3.00				V		Q
10+20	2.5089	3.00			V			Q	15+30	3.7898	3.00				V		Q
10+25	2.5295	3.00			V			Q	15+35	3.8105	3.00				V		Q



CP5 *Hydromod 100-Yr, 6-Hr*

```
**************************HYDROGRAPH DATA*****************************
                Number of intervals =   310
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        3.000 (CFS)
                Total volume =       5.172 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000   105.474     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000    15.814     0.000
************************************************************************

------------------------------------------------------------------------


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.300 to Point/Station        5.300
**** STORE OR DELETE CURRENT HYDROGRAPH ****
________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 1 with
a starting time of   0.00 hours and ending time of  25.00 hours
With a total volume of       5.17(Ac.Ft)
**************************HYDROGRAPH DATA*****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      3.000     0.000     0.000   105.474     0.000
        Vol (Ac.Ft)     5.172     0.000     0.000    15.814     0.000
************************************************************************

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.200 to Point/Station        5.300
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
________________________________________________________________________
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: 5C100CHK6100.rte
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                 P R I N T  O F  S T O R M
               R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        6.1      12.2      18.3      24.4
------------------------------------------------------------------------
  0+ 5       0.7670      0.77  |Q       |         |         |         |
  0+10       1.7907      1.79  | Q      |         |         |         |
  0+15       2.0721      2.07  |  Q     |         |         |         |
  0+20       2.1106      2.11  |  Q     |         |         |         |
  0+25       2.1140      2.11  |  Q     |         |         |         |
  0+30       2.2674      2.27  |  Q     |         |         |         |
  0+35       2.4415      2.44  |  Q     |         |         |         |
  0+40       2.4630      2.46  |   Q    |         |         |         |
  0+45       2.4664      2.47  |   Q    |         |         |         |
  0+50       2.4664      2.47  |   Q    |         |         |         |
  0+55       2.4664      2.47  |   Q    |         |         |         |
  1+ 0       2.6782      2.68  |   Q    |         |         |         |
  1+ 5       2.9186      2.92  |   Q    |         |         |         |
  1+10       2.9482      2.95  |   Q    |         |         |         |
  1+15       2.9529      2.95  |   Q    |         |         |         |
  1+20       2.9529      2.95  |   Q    |         |         |         |
  1+25       2.9529      2.95  |   Q    |         |         |         |
  1+30       2.9529      2.95  |   Q    |         |         |         |
  1+35       2.9529      2.95  |   Q    |         |         |         |
  1+40       2.9529      2.95  |   Q    |         |         |         |
  1+45       2.9529      2.95  |   Q    |         |         |         |
  1+50       2.9529      2.95  |   Q    |         |         |         |
  1+55       2.9529      2.95  |   Q    |         |         |         |
  2+ 0       3.1729      3.17  |    Q   |         |         |         |
  2+ 5       3.2025      3.20  |    Q   |         |         |         |
  2+10       3.2037      3.20  |    Q   |         |         |         |
  2+15       3.4274      3.43  |    Q   |         |         |         |
  2+20       3.4533      3.45  |    Q   |         |         |         |
  2+25       3.4582      3.46  |    Q   |         |         |         |
  2+30       3.4582      3.46  |    Q   |         |         |         |
  2+35       3.4582      3.46  |    Q   |         |         |         |
  2+40       3.4582      3.46  |    Q   |         |         |         |
  2+45       3.6781      3.68  |     Q  |         |         |         |
  2+50       3.9277      3.93  |     Q  |         |         |         |
  2+55       3.9585      3.96  |     Q  |         |         |         |
  3+ 0       3.9634      3.96  |     Q  |         |         |         |
  3+ 5       3.9634      3.96  |     Q  |         |         |         |
  3+10       4.1833      4.18  |     Q  |         |         |         |
  3+15       4.4329      4.43  |      Q |         |         |         |
  3+20       4.4637      4.46  |      Q |         |         |         |
  3+25       4.6885      4.69  |      Q |         |         |         |
  3+30       5.1581      5.16  |       Q|         |         |         |
  3+35       5.6584      5.66  |        Q|        |         |         |
  3+40       5.9437      5.94  |        Q|        |         |         |
  3+45       6.1993      6.20  |         Q        |         |         |
  3+50       6.4538      6.45  |         Q        |         |         |
  3+55       6.7045      6.70  |         Q        |         |         |
  4+ 0       6.9590      6.96  |         |Q       |         |         |
  4+ 5       7.2097      7.21  |         |Q       |         |         |
  4+10       7.6842      7.68  |         | Q      |         |         |
  4+15       8.1845      8.18  |         |  Q     |         |         |
  4+20       8.6897      8.69  |         |   Q    |         |         |
  4+25       9.1949      9.19  |         |    Q   |         |         |
  4+30       9.4802      9.48  |         |    Q   |         |         |
  4+35       9.7358      9.74  |         |    Q   |         |         |
  4+40      10.2102     10.21  |         |     Q  |         |         |
  4+45      10.7106     10.71  |         |      Q |         |         |
  4+50      10.9959     11.00  |         |      Q |         |         |
  4+55      11.2515     11.25  |         |       Q|         |         |
  5+ 0      11.7259     11.73  |         |        Q|        |         |
  5+ 5      13.1060     13.11  |         |         |Q       |         |
  5+10      15.4894     15.49  |         |         |    Q   |         |
  5+15      17.5561     17.56  |         |         |      Q |         |
  5+20      19.1431     19.14  |         |         |        |Q        |
  5+25      21.1084     21.11  |         |         |        |   Q     |
  5+30      24.4429     24.44  |         |         |        |        Q|
  5+35      18.7198     18.72  |         |         |        Q|        |
  5+40       7.5871      7.59  |         | Q       |         |         |
  5+45       3.4102      3.41  |    Q    |         |         |         |
  5+50       2.1043      2.10  |  Q      |         |         |         |
  5+55       1.4928      1.49  | Q       |         |         |         |
  6+ 0       0.9568      0.96  |Q        |         |         |         |
```

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   6+ 5       0.4296      0.43  Q         |         |         |         |
   6+10       0.0532      0.05  Q         |         |         |         |
   6+15       0.0068      0.01  Q         |         |         |         |
----------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =    75
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       24.443 (CFS)
                        Total volume =       2.960 (Ac.Ft)
                  Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                  Peak (CFS)      3.000     0.000     0.000   105.474     0.000
                  Vol (Ac.Ft)      5.172     0.000     0.000    15.814     0.000
        ***********************************************************************

        ----------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.100 to Point/Station        5.300
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ______________________________________________________________________
        From stored stream number 4 the total
        volume of      15.81 (Ac.Ft) is being added to the
        current hydrograph at its original rate from user
        with a delay time to start of addition of    0.00 hours.
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f      H y d r o g r a p h
        ----------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ----------------------------------------------------------------------
  Time(h+m) Add q(CFS)  Tot. Q   0       28.8      57.5      86.3     115.0
  ----------------------------------------------------------------------
   0+ 5       0.0000      0.77  Q         |         |         |         |
   0+10       0.0000      1.79  Q         |         |         |         |
   0+15       0.0000      2.07  Q         |         |         |         |
   0+20       0.0000      2.11  Q         |         |         |         |
   0+25       0.2940      2.41  Q         |         |         |         |
   0+30       0.7812      3.05  qQ        |         |         |         |
   0+35       1.2640      3.71  qQ        |         |         |         |
   0+40       1.6694      4.13  qQ        |         |         |         |
   0+45       1.9817      4.45  qQ        |         |         |         |
   0+50       2.2848      4.75  qQ        |         |         |         |
   0+55       2.5857      5.05  qQ        |         |         |         |
   1+ 0       2.8086      5.49  qQ        |         |         |         |
   1+ 5       3.0173      5.94  |qQ       |         |         |         |
   1+10       3.2369      6.19  |qQ       |         |         |         |
   1+15       3.4628      6.42  |qQ       |         |         |         |
   1+20       3.6614      6.61  |qQ       |         |         |         |
   1+25       3.8362      6.79  |qQ       |         |         |         |
   1+30       4.0076      6.96  |qQ       |         |         |         |
   1+35       4.1776      7.13  |qQ       |         |         |         |
   1+40       4.3459      7.30  |qQ       |         |         |         |
   1+45       4.5127      7.47  |qQ       |         |         |         |
   1+50       4.6487      7.60  |qQ       |         |         |         |
   1+55       4.7637      7.72  |qQ       |         |         |         |
   2+ 0       4.8767      8.05  |qQ       |         |         |         |
   2+ 5       4.9934      8.20  |qQ       |         |         |         |
   2+10       5.1127      8.32  |qQ       |         |         |         |
   2+15       5.2333      8.66  |q Q      |         |         |         |
   2+20       5.3583      8.81  |q Q      |         |         |         |
   2+25       5.4690      8.93  |q Q      |         |         |         |
   2+30       5.5711      9.03  |q Q      |         |         |         |
   2+35       5.6723      9.13  |q Q      |         |         |         |
   2+40       5.7734      9.23  | qQ      |         |         |         |
   2+45       5.8746      9.55  | qQ      |         |         |         |
   2+50       5.9794      9.91  | qQ      |         |         |         |
   2+55       6.0898     10.05  | qQ      |         |         |         |
   3+ 0       6.1920     10.16  | qQ      |         |         |         |
   3+ 5       6.2851     10.25  | qQ      |         |         |         |
   3+10       6.3780     10.56  | qQ      |         |         |         |
   3+15       6.4741     10.91  | qQ      |         |         |         |
   3+20       6.5749     11.04  | qQ      |         |         |         |
   3+25       6.6789     11.37  | qQ      |         |         |         |
   3+30       6.7876     11.95  | q Q     |         |         |         |
   3+35       6.8928     12.55  | q Q     |         |         |         |
   3+40       7.0036     12.95  | q Q     |         |         |         |
   3+45       7.1222     13.32  | q Q     |         |         |         |
   3+50       7.2476     13.70  | q Q     |         |         |         |
   3+55       7.3794     14.08  | q Q     |         |         |         |
   4+ 0       7.5066     14.47  | q  Q    |         |         |         |
   4+ 5       7.6277     14.84  | q  Q    |         |         |         |
   4+10       7.7529     15.44  | q  Q    |         |         |         |
   4+15       7.8853     16.07  | q  Q    |         |         |         |
   4+20       8.0264     16.72  | q  Q    |         |         |         |
   4+25       8.6960     17.89  |  q  Q   |         |         |         |
   4+30       9.4926     18.97  |  q  Q   |         |         |         |
   4+35      10.3199     20.06  |  q  Q   |         |         |         |
   4+40      11.1678     21.38  |  q   Q  |         |         |         |
   4+45      11.7573     22.47  |   q  Q  |         |         |         |
   4+50      12.2977     23.29  |   q   Q |         |         |         |
   4+55      12.8509     24.10  |   q   Q |         |         |         |
   5+ 0      13.4184     25.14  |   q   Q |         |         |         |
   5+ 5      13.8638     26.97  |   q    Q|         |         |         |
   5+10      14.3302     29.82  |   q     Q         |         |         |
   5+15      14.8668     32.42  |    q    |Q        |         |         |
   5+20      30.4906     49.63  |         q      Q  |         |         |
   5+25      55.2869     76.40  |         |        q|     Q   |         |
   5+30      77.3133    101.76  |         |         |     q   |    Q    |
   5+35      96.3162    115.04  |         |         |         |   q     Q
   5+40     105.4740    113.06  |         |         |         |     q   Q|
   5+45      99.5528    102.96  |         |         |         |    qQ    |
   5+50      84.8664     86.97  |         |         |        qQ        |
   5+55      68.4748     69.97  |         |         |   qQ    |         |
   6+ 0      53.3151     54.27  |         |        Q|         |         |
   6+ 5      40.3027     40.73  |         |   Q     |         |         |
   6+10      29.5550     29.61  |         Q         |         |         |
   6+15      20.8705     20.88  |        Q|         |         |         |
   6+20      15.6292     15.63  |    Q    |         |         |         |
   6+25      15.0130     15.01  |    Q    |         |         |         |
   6+30      14.8901     14.89  |    Q    |         |         |         |
   6+35      14.7667     14.77  |    Q    |         |         |         |
   6+40      14.6435     14.64  |    Q    |         |         |         |
   6+45      14.5208     14.52  |    Q    |         |         |         |
   6+50      14.3988     14.40  |    Q    |         |         |         |
   6+55      14.2776     14.28  |   Q     |         |         |         |
   7+ 0      14.1572     14.16  |   Q     |         |         |         |
   7+ 5      14.0377     14.04  |   Q     |         |         |         |
   7+10      13.9189     13.92  |   Q     |         |         |         |
   7+15      13.8011     13.80  |   Q     |         |         |         |
   7+20      13.6840     13.68  |   Q     |         |         |         |
   7+25      13.5678     13.57  |   Q     |         |         |         |
```

7+30	13.4351	13.44	Q					12+40	6.8533	6.85	Q				
7+35	13.2790	13.28	Q					12+45	6.8137	6.81	Q				
7+40	13.1217	13.12	Q					12+50	6.7698	6.77	Q				
7+45	12.9659	12.97	Q					12+55	6.7256	6.73	Q				
7+50	12.8117	12.81	Q					13+ 0	6.6816	6.68	Q				
7+55	12.6589	12.66	Q					13+ 5	6.6377	6.64	Q				
8+ 0	12.5076	12.51	Q					13+10	6.5941	6.59	Q				
8+ 5	12.3578	12.36	Q					13+15	6.5507	6.55	Q				
8+10	12.2094	12.21	Q					13+20	6.5074	6.51	Q				
8+15	12.0625	12.06	Q					13+25	6.4644	6.46	Q				
8+20	11.9169	11.92	Q					13+30	6.4216	6.42	Q				
8+25	11.7728	11.77	Q					13+35	6.3789	6.38	Q				
8+30	11.6301	11.63	Q					13+40	6.3364	6.34	Q				
8+35	11.4887	11.49	Q					13+45	6.2942	6.29	Q				
8+40	11.3326	11.33	Q					13+50	6.2521	6.25	Q				
8+45	11.1054	11.11	Q					13+55	6.2102	6.21	Q				
8+50	10.8736	10.87	Q					14+ 0	6.1685	6.17	Q				
8+55	10.6457	10.65	Q					14+ 5	6.1210	6.12	Q				
9+ 0	10.4215	10.42	Q					14+10	6.0699	6.07	Q				
9+ 5	10.2009	10.20	Q					14+15	6.0188	6.02	Q				
9+10	9.9840	9.98	Q					14+20	5.9679	5.97	Q				
9+15	9.7707	9.77	Q					14+25	5.9173	5.92	Q				
9+20	9.5609	9.56	Q					14+30	5.8670	5.87	Q				
9+25	9.3545	9.35	Q					14+35	5.8170	5.82	Q				
9+30	9.1515	9.15	Q					14+40	5.7673	5.77	Q				
9+35	8.9518	8.95	Q					14+45	5.7178	5.72	Q				
9+40	8.7554	8.76	Q					14+50	5.6686	5.67	Q				
9+45	8.5623	8.56	Q					14+55	5.6198	5.62	Q				
9+50	8.3723	8.37	Q					15+ 0	5.5711	5.57	Q				
9+55	8.1855	8.19	Q					15+ 5	5.5228	5.52	Q				
10+ 0	8.0502	8.05	Q					15+10	5.4747	5.47	Q				
10+ 5	8.0046	8.00	Q					15+15	5.4269	5.43	Q				
10+10	7.9689	7.97	Q					15+20	5.3708	5.37	Q				
10+15	7.9334	7.93	Q					15+25	5.3111	5.31	Q				
10+20	7.8979	7.90	Q					15+30	5.2515	5.25	Q				
10+25	7.8626	7.86	Q					15+35	5.1924	5.19	Q				
10+30	7.8274	7.83	Q					15+40	5.1336	5.13	Q				
10+35	7.7922	7.79	Q					15+45	5.0753	5.08	Q				
10+40	7.7572	7.76	Q					15+50	5.0174	5.02	Q				
10+45	7.7224	7.72	Q					15+55	4.9600	4.96	Q				
10+50	7.6876	7.69	Q					16+ 0	4.9029	4.90	Q				
10+55	7.6529	7.65	Q					16+ 5	4.8463	4.85	Q				
11+ 0	7.6184	7.62	Q					16+10	4.7900	4.79	Q				
11+ 5	7.5840	7.58	Q					16+15	4.7342	4.73	Q				
11+10	7.5496	7.55	Q					16+20	4.6787	4.68	Q				
11+15	7.5154	7.52	Q					16+25	4.6237	4.62	Q				
11+20	7.4813	7.48	Q					16+30	4.5584	4.56	Q				
11+25	7.4445	7.44	Q					16+35	4.4812	4.48	Q				
11+30	7.4043	7.40	Q					16+40	4.4036	4.40	Q				
11+35	7.3640	7.36	Q					16+45	4.3268	4.33	Q				
11+40	7.3238	7.32	Q					16+50	4.2508	4.25	Q				
11+45	7.2837	7.28	Q					16+55	4.1756	4.18	Q				
11+50	7.2438	7.24	Q					17+ 0	4.1011	4.10	Q				
11+55	7.2041	7.20	Q					17+ 5	4.0275	4.03	Q				
12+ 0	7.1645	7.16	Q					17+10	3.9546	3.95	Q				
12+ 5	7.1251	7.13	Q					17+15	3.8824	3.88	Q				
12+10	7.0858	7.09	Q					17+20	3.8110	3.81	Q				
12+15	7.0467	7.05	Q					17+25	3.7404	3.74	Q				
12+20	7.0077	7.01	Q					17+30	3.6704	3.67	Q				
12+25	6.9689	6.97	Q					17+35	3.6012	3.60	Q				
12+30	6.9302	6.93	Q					17+40	3.5175	3.52	Q				
12+35	6.8917	6.89	Q					17+45	3.4292	3.43	Q				

17+50	3.3416	3.34	|Q	|	|	|	|
17+55	3.2552	3.26	|Q	|	|	|	|
18+ 0	3.1700	3.17	|Q	|	|	|	|
18+ 5	3.0860	3.09	|Q	|	|	|	|
18+10	3.0031	3.00	|Q	|	|	|	|
18+15	2.9213	2.92	|Q	|	|	|	|
18+20	2.8407	2.84	Q	|	|	|	|
18+25	2.7611	2.76	Q	|	|	|	|
18+30	2.6826	2.68	Q	|	|	|	|
18+35	2.5775	2.58	Q	|	|	|	|
18+40	2.4647	2.46	Q	|	|	|	|
18+45	2.3536	2.35	Q	|	|	|	|
18+50	2.2447	2.24	Q	|	|	|	|
18+55	2.1380	2.14	Q	|	|	|	|
19+ 0	2.0335	2.03	Q	|	|	|	|
19+ 5	1.9311	1.93	Q	|	|	|	|
19+10	1.8308	1.83	Q	|	|	|	|
19+15	1.7325	1.73	Q	|	|	|	|
19+20	1.6363	1.64	Q	|	|	|	|
19+25	1.5301	1.53	Q	|	|	|	|
19+30	1.3758	1.38	Q	|	|	|	|
19+35	1.2209	1.22	Q	|	|	|	|
19+40	1.0716	1.07	Q	|	|	|	|
19+45	0.9275	0.93	Q	|	|	|	|
19+50	0.7886	0.79	Q	|	|	|	|
19+55	0.6546	0.65	Q	|	|	|	|
20+ 0	0.5253	0.53	Q	|	|	|	|
20+ 5	0.4005	0.40	Q	|	|	|	|
20+10	0.2802	0.28	Q	|	|	|	|
20+15	0.1642	0.16	Q	|	|	|	|
20+20	0.0031	0.00	Q	|	|	|	|
20+25	0.0000	0.00	Q	|	|	|	|
20+30	0.0000	0.00	Q	|	|	|	|
20+35	0.0000	0.00	Q	|	|	|	|
20+40	0.0000	0.00	Q	|	|	|	|
20+45	0.0000	0.00	Q	|	|	|	|
20+50	0.0000	0.00	Q	|	|	|	|
20+55	0.0000	0.00	Q	|	|	|	|
21+ 0	0.0000	0.00	Q	|	|	|	|
21+ 5	0.0000	0.00	Q	|	|	|	|
21+10	0.0000	0.00	Q	|	|	|	|
21+15	0.0000	0.00	Q	|	|	|	|
21+20	0.0000	0.00	Q	|	|	|	|
21+25	0.0000	0.00	Q	|	|	|	|
21+30	0.0000	0.00	Q	|	|	|	|
21+35	0.0000	0.00	Q	|	|	|	|
21+40	0.0000	0.00	Q	|	|	|	|
21+45	0.0000	0.00	Q	|	|	|	|
21+50	0.0000	0.00	Q	|	|	|	|
21+55	0.0000	0.00	Q	|	|	|	|
22+ 0	0.0000	0.00	Q	|	|	|	|
22+ 5	0.0000	0.00	Q	|	|	|	|
22+10	0.0000	0.00	Q	|	|	|	|
22+15	0.0000	0.00	Q	|	|	|	|
22+20	0.0000	0.00	Q	|	|	|	|
22+25	0.0000	0.00	Q	|	|	|	|
22+30	0.0000	0.00	Q	|	|	|	|
22+35	0.0000	0.00	Q	|	|	|	|
22+40	0.0000	0.00	Q	|	|	|	|
22+45	0.0000	0.00	Q	|	|	|	|
22+50	0.0000	0.00	Q	|	|	|	|
22+55	0.0000	0.00	Q	|	|	|	|
23+ 0	0.0000	0.00	Q	|	|	|	|
23+ 5	0.0000	0.00	Q	|	|	|	|
23+10	0.0000	0.00	Q	|	|	|	|
23+15	0.0000	0.00	Q	|	|	|	|
23+20	0.0000	0.00	Q	|	|	|	|
23+25	0.0000	0.00	Q	|	|	|	|
23+30	0.0000	0.00	Q	|	|	|	|
23+35	0.0000	0.00	Q	|	|	|	|
23+40	0.0000	0.00	Q	|	|	|	|
23+45	0.0000	0.00	Q	|	|	|	|
23+50	0.0000	0.00	Q	|	|	|	|
23+55	0.0000	0.00	Q	|	|	|	|
24+ 0	0.0000	0.00	Q	|	|	|	|
24+ 5	0.0000	0.00	Q	|	|	|	|
24+10	0.0000	0.00	Q	|	|	|	|
24+15	0.0000	0.00	Q	|	|	|	|
24+20	0.0000	0.00	Q	|	|	|	|
24+25	0.0000	0.00	Q	|	|	|	|
24+30	0.0000	0.00	Q	|	|	|	|
24+35	0.0000	0.00	Q	|	|	|	|
24+40	0.0000	0.00	Q	|	|	|	|
24+45	0.0000	0.00	Q	|	|	|	|
24+50	0.0000	0.00	Q	|	|	|	|
24+55	0.0000	0.00	Q	|	|	|	|
25+ 0	0.0000	0.00	Q	|	|	|	|
25+ 5	0.0000	0.00	Q	|	|	|	|
25+10	0.0000	0.00	Q	|	|	|	|
25+15	0.0000	0.00	Q	|	|	|	|
25+20	0.0000	0.00	Q	|	|	|	|
25+25	0.0000	0.00	Q	|	|	|	|
25+30	0.0000	0.00	Q	|	|	|	|
25+35	0.0000	0.00	Q	|	|	|	|
25+40	0.0000	0.00	Q	|	|	|	|
25+45	0.0000	0.00	Q	|	|	|	|
25+50	0.0000	0.00	Q	|	|	|	|
25+55	0.0000	0.00	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 311
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 115.036 (CFS)
Total volume = 18.774 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	3.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	5.172	0.000	0.000	0.000	0.000

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Process from Point/Station 5.200 to Point/Station 5.300

**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 311
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.306	0.260	0.305	0.307
2.000	0.699	1.100	0.695	0.703
3.000	1.185	1.560	1.180	1.190
4.000	1.787	1.920	1.780	1.794
5.000	2.521	2.210	2.513	2.529
6.000	3.390	2.470	3.381	3.399
7.000	4.392	2.710	4.383	4.401
8.000	5.528	2.920	5.518	5.538
9.000	6.798	15.160	6.746	6.850
10.000	8.202	23.140	8.122	8.282
11.000	9.739	37.050	9.611	9.867
12.000	11.410	46.510	11.250	11.570
13.000	13.215	115.830	12.816	13.614

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	28.8	57.52	86.28	115.04	Depth (Ft.)
0.083	0.77	0.00	0.003	O	|	|	|	|	0.01
0.167	1.79	0.01	0.011	O	|	|	|	|	0.04
0.250	2.07	0.02	0.025	O	|	|	|	|	0.08
0.333	2.11	0.03	0.039	O	|	|	|	|	0.13
0.417	2.41	0.05	0.054	O	|	|	|	|	0.18
0.500	3.05	0.06	0.073	O	|	|	|	|	0.24
0.583	3.71	0.08	0.095	OI	|	|	|	|	0.31
0.667	4.13	0.10	0.122	OI	|	|	|	|	0.40
0.750	4.45	0.13	0.150	OI	|	|	|	|	0.49
0.833	4.75	0.15	0.181	OI	|	|	|	|	0.59
0.917	5.05	0.18	0.214	OI	|	|	|	|	0.70
1.000	5.49	0.21	0.249	OI	|	|	|	|	0.81
1.083	5.94	0.24	0.286	OI	|	|	|	|	0.94
1.167	6.19	0.30	0.326	OI	|	|	|	|	1.05
1.250	6.42	0.39	0.367	OI	|	|	|	|	1.16
1.333	6.61	0.48	0.409	OI	|	|	|	|	1.26
1.417	6.79	0.57	0.452	OI	|	|	|	|	1.37
1.500	6.96	0.66	0.495	OI	|	|	|	|	1.48
1.583	7.13	0.76	0.538	OI	|	|	|	|	1.59
1.667	7.30	0.85	0.583	O I	|	|	|	|	1.70
1.750	7.47	0.95	0.627	O I	|	|	|	|	1.82
1.833	7.60	1.04	0.672	O I	|	|	|	|	1.93
1.917	7.72	1.12	0.718	O I	|	|	|	|	2.04
2.000	8.05	1.16	0.764	O I	|	|	|	|	2.13
2.083	8.20	1.21	0.812	O I	|	|	|	|	2.23
2.167	8.32	1.25	0.860	O I	|	|	|	|	2.33
2.250	8.66	1.30	0.910	O I	|	|	|	|	2.43
2.333	8.81	1.35	0.961	O I	|	|	|	|	2.54
2.417	8.93	1.40	1.013	O I	|	|	|	|	2.65
2.500	9.03	1.45	1.065	O I	|	|	|	|	2.75
2.583	9.13	1.50	1.117	O I	|	|	|	|	2.86
2.667	9.23	1.55	1.170	O I	|	|	|	|	2.97
2.750	9.55	1.58	1.224	O I	|	|	|	|	3.06
2.833	9.91	1.62	1.280	O I	|	|	|	|	3.16
2.917	10.05	1.65	1.337	O I	|	|	|	|	3.25
3.000	10.16	1.69	1.395	O I	|	|	|	|	3.35
3.083	10.25	1.72	1.454	O I	|	|	|	|	3.45
3.167	10.56	1.76	1.513	O I	|	|	|	|	3.55
3.250	10.91	1.79	1.575	O I	|	|	|	|	3.65
3.333	11.04	1.83	1.638	O I	|	|	|	|	3.75
3.417	11.37	1.87	1.703	O I	|	|	|	|	3.86
3.500	11.95	1.91	1.770	O I	|	|	|	|	3.97
3.583	12.55	1.94	1.841	O I	|	|	|	|	4.07
3.667	12.95	1.97	1.915	O I	|	|	|	|	4.17
3.750	13.32	2.00	1.992	O I	|	|	|	|	4.28
3.833	13.70	2.03	2.071	O I	|	|	|	|	4.39
3.917	14.08	2.06	2.153	O I	|	|	|	|	4.50
4.000	14.47	2.10	2.237	O I	|	|	|	|	4.61
4.083	14.84	2.13	2.323	O I	|	|	|	|	4.73
4.167	15.44	2.17	2.413	O I	|	|	|	|	4.85
4.250	16.07	2.20	2.506	O I	|	|	|	|	4.98
4.333	16.72	2.23	2.604	O I	|	|	|	|	5.10
4.417	17.89	2.27	2.707	O I	|	|	|	|	5.21
4.500	18.97	2.30	2.819	O I	|	|	|	|	5.34
4.583	20.06	2.33	2.937	O I	|	|	|	|	5.48
4.667	21.38	2.37	3.063	O I	|	|	|	|	5.62
4.750	22.47	2.41	3.198	O I	|	|	|	|	5.78
4.833	23.29	2.45	3.339	O I	|	|	|	|	5.94
4.917	24.10	2.49	3.485	O I	|	|	|	|	6.09
5.000	25.14	2.53	3.637	O I	|	|	|	|	6.25
5.083	26.97	2.57	3.799	O I	|	|	|	|	6.41
5.167	29.82	2.61	3.977	O I	|	|	|	|	6.59
5.250	32.42	2.66	4.173	O I	|	|	|	|	6.78
5.333	49.63	2.72	4.437	O I	|	|	|	|	7.04
5.417	76.40	2.80	4.852	O I	|	|	|	|	7.41
5.500	101.76	2.90	5.446	O I	|	|	|	|	7.93
5.583	115.04	8.93	6.152	O I	|	|	|	|	8.49
5.667	113.06	15.47	6.853	O I	|	|	|	|	9.04
5.750	102.96	19.03	7.478	O I	|	|	|	|	9.48
5.833	86.97	21.94	7.991	O I	|	|	|	|	9.85
5.917	69.97	24.67	8.371	O I	|	|	|	|	10.11
6.000	54.27	26.93	8.621	O I	|	|	|	|	10.27
6.083	40.73	28.18	8.759	O I	|	|	|	|	10.36
6.167	29.61	28.60	8.805	O I	|	|	|	|	10.39
6.250	20.88	28.40	8.783	O I	|	|	|	|	10.38
6.333	15.63	27.78	8.715	O I	|	|	|	|	10.33
6.417	15.01	27.03	8.632	O I	|	|	|	|	10.28
6.500	14.89	26.30	8.551	O I	|	|	|	|	10.23
6.583	14.77	25.61	8.475	O I	|	|	|	|	10.18
6.667	14.64	24.95	8.402	O I	|	|	|	|	10.13
6.750	14.52	24.32	8.333	O I	|	|	|	|	10.08
6.833	14.40	23.73	8.267	O I	|	|	|	|	10.04
6.917	14.28	23.16	8.204	O I	|	|	|	|	10.00
7.000	14.16	22.81	8.144	O I	|	|	|	|	9.96
7.083	14.04	22.47	8.085	O I	|	|	|	|	9.92
7.167	13.92	22.15	8.027	O I	|	|	|	|	9.88
7.250	13.80	21.83	7.971	O I	|	|	|	|	9.84
7.333	13.68	21.52	7.917	O I	|	|	|	|	9.80
7.417	13.57	21.22	7.863	O I	|	|	|	|	9.76
7.500	13.44	20.92	7.811	O I	|	|	|	|	9.72
7.583	13.28	20.63	7.760	O I	|	|	|	|	9.69
7.667	13.12	20.34	7.710	O I	|	|	|	|	9.65

7.750	12.97	20.06	7.661	I O				9.61	12.917	6.73	7.72	6.026	IO					8.39
7.833	12.81	19.79	7.612	I O				9.58	13.000	6.68	7.65	6.019	IO					8.39
7.917	12.66	19.52	7.565	I O				9.55	13.083	6.64	7.59	6.012	IO					8.38
8.000	12.51	19.25	7.518	I O				9.51	13.167	6.59	7.53	6.006	IO					8.38
8.083	12.36	18.99	7.472	I O				9.48	13.250	6.55	7.46	6.000	IO					8.37
8.167	12.21	18.73	7.426	I O				9.45	13.333	6.51	7.40	5.993	IO					8.37
8.250	12.06	18.48	7.382	I O				9.42	13.417	6.46	7.35	5.987	IO					8.36
8.333	11.92	18.23	7.338	I O				9.38	13.500	6.42	7.29	5.981	IO					8.36
8.417	11.77	17.98	7.295	I O				9.35	13.583	6.38	7.23	5.975	IO					8.35
8.500	11.63	17.74	7.253	IO				9.32	13.667	6.34	7.17	5.969	O					8.35
8.583	11.49	17.51	7.211	IO				9.29	13.750	6.29	7.12	5.964	O					8.34
8.667	11.33	17.27	7.170	IO				9.26	13.833	6.25	7.06	5.958	O					8.34
8.750	11.11	17.04	7.129	IO				9.24	13.917	6.21	7.01	5.953	O					8.33
8.833	10.87	16.81	7.088	IO				9.21	14.000	6.17	6.96	5.947	O					8.33
8.917	10.65	16.58	7.047	I O				9.18	14.083	6.12	6.91	5.942	O					8.33
9.000	10.42	16.34	7.006	I O				9.15	14.167	6.07	6.85	5.936	O					8.32
9.083	10.20	16.11	6.965	I O				9.12	14.250	6.02	6.80	5.931	O					8.32
9.167	9.98	15.88	6.925	I O				9.09	14.333	5.97	6.75	5.925	O					8.31
9.250	9.77	15.65	6.884	I O				9.06	14.417	5.92	6.70	5.920	O					8.31
9.333	9.56	15.42	6.844	I O				9.03	14.500	5.87	6.65	5.915	O					8.30
9.417	9.35	15.19	6.804	I O				9.00	14.583	5.82	6.59	5.909	O					8.30
9.500	9.15	14.83	6.764	I O				8.97	14.667	5.77	6.54	5.904	O					8.30
9.583	8.95	14.46	6.725	I O				8.94	14.750	5.72	6.49	5.899	O					8.29
9.667	8.76	14.10	6.688	IO				8.91	14.833	5.67	6.44	5.893	O					8.29
9.750	8.56	13.75	6.652	IO				8.88	14.917	5.62	6.39	5.888	O					8.28
9.833	8.37	13.41	6.616	IO				8.86	15.000	5.57	6.34	5.883	O					8.28
9.917	8.19	13.08	6.582	IO				8.83	15.083	5.52	6.29	5.877	O					8.28
10.000	8.05	12.76	6.549	IO				8.80	15.167	5.47	6.24	5.872	O					8.27
10.083	8.00	12.46	6.518	IO				8.78	15.250	5.43	6.19	5.867	O					8.27
10.167	7.97	12.17	6.488	IO				8.76	15.333	5.37	6.14	5.862	O					8.26
10.250	7.93	11.90	6.460	IO				8.73	15.417	5.31	6.08	5.856	O					8.26
10.333	7.90	11.64	6.433	IO				8.71	15.500	5.25	6.03	5.851	O					8.25
10.417	7.86	11.40	6.408	IO				8.69	15.583	5.19	5.98	5.846	O					8.25
10.500	7.83	11.17	6.384	IO				8.67	15.667	5.13	5.93	5.840	O					8.25
10.583	7.79	10.96	6.362	IO				8.66	15.750	5.08	5.88	5.835	O					8.24
10.667	7.76	10.75	6.341	O				8.64	15.833	5.02	5.82	5.829	O					8.24
10.750	7.72	10.56	6.321	O				8.62	15.917	4.96	5.77	5.824	O					8.23
10.833	7.69	10.38	6.302	O				8.61	16.000	4.90	5.71	5.818	O					8.23
10.917	7.65	10.20	6.284	O				8.59	16.083	4.85	5.66	5.812	O					8.22
11.000	7.62	10.04	6.266	O				8.58	16.167	4.79	5.61	5.807	O					8.22
11.083	7.58	9.88	6.250	O				8.57	16.250	4.73	5.55	5.801	O					8.22
11.167	7.55	9.73	6.235	O				8.56	16.333	4.68	5.50	5.796	O					8.21
11.250	7.52	9.59	6.220	O				8.54	16.417	4.62	5.44	5.790	O					8.21
11.333	7.48	9.46	6.206	O				8.53	16.500	4.56	5.39	5.784	O					8.20
11.417	7.44	9.33	6.193	O				8.52	16.583	4.48	5.33	5.778	O					8.20
11.500	7.40	9.21	6.180	O				8.51	16.667	4.40	5.28	5.772	O					8.19
11.583	7.36	9.09	6.168	O				8.50	16.750	4.33	5.22	5.766	O					8.19
11.667	7.32	8.98	6.156	O				8.49	16.833	4.25	5.16	5.760	O					8.18
11.750	7.28	8.87	6.145	O				8.49	16.917	4.18	5.10	5.754	O					8.18
11.833	7.24	8.77	6.135	O				8.48	17.000	4.10	5.04	5.747	O					8.17
11.917	7.20	8.67	6.124	O				8.47	17.083	4.03	4.97	5.741	O					8.17
12.000	7.16	8.57	6.114	IO				8.46	17.167	3.95	4.91	5.734	O					8.16
12.083	7.13	8.48	6.105	IO				8.45	17.250	3.88	4.85	5.728	O					8.16
12.167	7.09	8.39	6.096	IO				8.45	17.333	3.81	4.78	5.721	O					8.15
12.250	7.05	8.31	6.087	IO				8.44	17.417	3.74	4.72	5.714	O					8.15
12.333	7.01	8.22	6.078	IO				8.43	17.500	3.67	4.65	5.708	O					8.14
12.417	6.97	8.15	6.070	IO				8.43	17.583	3.60	4.59	5.701	O					8.14
12.500	6.93	8.07	6.062	IO				8.42	17.667	3.52	4.52	5.694	IO					8.13
12.583	6.89	7.99	6.054	IO				8.41	17.750	3.43	4.45	5.687	IO					8.13
12.667	6.85	7.92	6.047	IO				8.41	17.833	3.34	4.39	5.680	IO					8.12
12.750	6.81	7.85	6.040	IO				8.40	17.917	3.26	4.32	5.673	IO					8.11
12.833	6.77	7.78	6.033	IO				8.40	18.000	3.17	4.24	5.665	IO					8.11

18.083	3.09	4.17	5.658	IO	|	|	|	|	8.10	23.250	0.00	2.76	4.679	O	|	|	|	|	7.25
18.167	3.00	4.10	5.650	IO	|	|	|	|	8.10	23.333	0.00	2.76	4.660	O	|	|	|	|	7.24
18.250	2.92	4.03	5.643	IO	|	|	|	|	8.09	23.417	0.00	2.76	4.641	O	|	|	|	|	7.22
18.333	2.84	3.95	5.635	IO	|	|	|	|	8.08	23.500	0.00	2.75	4.622	O	|	|	|	|	7.20
18.417	2.76	3.88	5.628	IO	|	|	|	|	8.08	23.583	0.00	2.75	4.603	O	|	|	|	|	7.19
18.500	2.68	3.81	5.620	IO	|	|	|	|	8.07	23.667	0.00	2.75	4.584	O	|	|	|	|	7.17
18.583	2.58	3.73	5.612	IO	|	|	|	|	8.07	23.750	0.00	2.74	4.565	O	|	|	|	|	7.15
18.667	2.46	3.65	5.604	IO	|	|	|	|	8.06	23.833	0.00	2.74	4.547	O	|	|	|	|	7.14
18.750	2.35	3.57	5.596	O	|	|	|	|	8.05	23.917	0.00	2.74	4.528	O	|	|	|	|	7.12
18.833	2.24	3.49	5.587	O	|	|	|	|	8.05	24.000	0.00	2.73	4.509	O	|	|	|	|	7.10
18.917	2.14	3.41	5.579	O	|	|	|	|	8.04	24.083	0.00	2.73	4.490	O	|	|	|	|	7.09
19.000	2.03	3.32	5.570	O	|	|	|	|	8.03	24.167	0.00	2.72	4.471	O	|	|	|	|	7.07
19.083	1.93	3.24	5.561	O	|	|	|	|	8.03	24.250	0.00	2.72	4.453	O	|	|	|	|	7.05
19.167	1.83	3.15	5.552	O	|	|	|	|	8.02	24.333	0.00	2.72	4.434	O	|	|	|	|	7.04
19.250	1.73	3.06	5.543	O	|	|	|	|	8.01	24.417	0.00	2.71	4.415	O	|	|	|	|	7.02
19.333	1.64	2.97	5.533	O	|	|	|	|	8.00	24.500	0.00	2.71	4.396	O	|	|	|	|	7.00
19.417	1.53	2.92	5.524	O	|	|	|	|	8.00	24.583	0.00	2.71	4.378	O	|	|	|	|	6.99
19.500	1.38	2.92	5.514	O	|	|	|	|	7.99	24.667	0.00	2.70	4.359	O	|	|	|	|	6.97
19.583	1.22	2.92	5.503	O	|	|	|	|	7.98	24.750	0.00	2.70	4.341	O	|	|	|	|	6.95
19.667	1.07	2.91	5.491	O	|	|	|	|	7.97	24.833	0.00	2.69	4.322	O	|	|	|	|	6.93
19.750	0.93	2.91	5.477	O	|	|	|	|	7.96	24.917	0.00	2.69	4.303	O	|	|	|	|	6.91
19.833	0.79	2.91	5.463	O	|	|	|	|	7.94	25.000	0.00	2.68	4.285	O	|	|	|	|	6.89
19.917	0.65	2.91	5.448	O	|	|	|	|	7.93	25.083	0.00	2.68	4.266	O	|	|	|	|	6.87
20.000	0.53	2.90	5.432	O	|	|	|	|	7.92	25.167	0.00	2.68	4.248	O	|	|	|	|	6.86
20.083	0.40	2.90	5.416	O	|	|	|	|	7.90	25.250	0.00	2.67	4.230	O	|	|	|	|	6.84
20.167	0.28	2.90	5.398	O	|	|	|	|	7.89	25.333	0.00	2.67	4.211	O	|	|	|	|	6.82
20.250	0.16	2.89	5.380	O	|	|	|	|	7.87	25.417	0.00	2.66	4.193	O	|	|	|	|	6.80
20.333	0.00	2.89	5.360	O	|	|	|	|	7.85	25.500	0.00	2.66	4.175	O	|	|	|	|	6.78
20.417	0.00	2.89	5.340	O	|	|	|	|	7.83	25.583	0.00	2.65	4.156	O	|	|	|	|	6.76
20.500	0.00	2.88	5.321	O	|	|	|	|	7.82	25.667	0.00	2.65	4.138	O	|	|	|	|	6.75
20.583	0.00	2.88	5.301	O	|	|	|	|	7.80	25.750	0.00	2.64	4.120	O	|	|	|	|	6.73
20.667	0.00	2.87	5.281	O	|	|	|	|	7.78	25.833	0.00	2.64	4.102	O	|	|	|	|	6.71
20.750	0.00	2.87	5.261	O	|	|	|	|	7.77	25.917	0.00	2.64	4.083	O	|	|	|	|	6.69
20.833	0.00	2.87	5.241	O	|	|	|	|	7.75	26.000	0.00	2.63	4.065	O	|	|	|	|	6.67
20.917	0.00	2.86	5.222	O	|	|	|	|	7.73	26.083	0.00	2.63	4.047	O	|	|	|	|	6.66
21.000	0.00	2.86	5.202	O	|	|	|	|	7.71	26.167	0.00	2.62	4.029	O	|	|	|	|	6.64
21.083	0.00	2.86	5.182	O	|	|	|	|	7.70	26.250	0.00	2.62	4.011	O	|	|	|	|	6.62
21.167	0.00	2.85	5.163	O	|	|	|	|	7.68	26.333	0.00	2.61	3.993	O	|	|	|	|	6.60
21.250	0.00	2.85	5.143	O	|	|	|	|	7.66	26.417	0.00	2.61	3.975	O	|	|	|	|	6.58
21.333	0.00	2.85	5.123	O	|	|	|	|	7.64	26.500	0.00	2.61	3.957	O	|	|	|	|	6.57
21.417	0.00	2.84	5.104	O	|	|	|	|	7.63	26.583	0.00	2.60	3.939	O	|	|	|	|	6.55
21.500	0.00	2.84	5.084	O	|	|	|	|	7.61	26.667	0.00	2.60	3.921	O	|	|	|	|	6.53
21.583	0.00	2.83	5.065	O	|	|	|	|	7.59	26.750	0.00	2.59	3.903	O	|	|	|	|	6.51
21.667	0.00	2.83	5.045	O	|	|	|	|	7.57	26.833	0.00	2.59	3.886	O	|	|	|	|	6.49
21.750	0.00	2.83	5.026	O	|	|	|	|	7.56	26.917	0.00	2.58	3.868	O	|	|	|	|	6.48
21.833	0.00	2.82	5.006	O	|	|	|	|	7.54	27.000	0.00	2.58	3.850	O	|	|	|	|	6.46
21.917	0.00	2.82	4.987	O	|	|	|	|	7.52	27.083	0.00	2.58	3.832	O	|	|	|	|	6.44
22.000	0.00	2.82	4.967	O	|	|	|	|	7.51	27.167	0.00	2.57	3.814	O	|	|	|	|	6.42
22.083	0.00	2.81	4.948	O	|	|	|	|	7.49	27.250	0.00	2.57	3.797	O	|	|	|	|	6.41
22.167	0.00	2.81	4.929	O	|	|	|	|	7.47	27.333	0.00	2.56	3.779	O	|	|	|	|	6.39
22.250	0.00	2.81	4.909	O	|	|	|	|	7.46	27.417	0.00	2.56	3.761	O	|	|	|	|	6.37
22.333	0.00	2.80	4.890	O	|	|	|	|	7.44	27.500	0.00	2.55	3.744	O	|	|	|	|	6.35
22.417	0.00	2.80	4.871	O	|	|	|	|	7.42	27.583	0.00	2.55	3.726	O	|	|	|	|	6.34
22.500	0.00	2.79	4.851	O	|	|	|	|	7.40	27.667	0.00	2.55	3.709	O	|	|	|	|	6.32
22.583	0.00	2.79	4.832	O	|	|	|	|	7.39	27.750	0.00	2.54	3.691	O	|	|	|	|	6.30
22.667	0.00	2.79	4.813	O	|	|	|	|	7.37	27.833	0.00	2.54	3.674	O	|	|	|	|	6.28
22.750	0.00	2.78	4.794	O	|	|	|	|	7.35	27.917	0.00	2.53	3.656	O	|	|	|	|	6.27
22.833	0.00	2.78	4.775	O	|	|	|	|	7.34	28.000	0.00	2.53	3.639	O	|	|	|	|	6.25
22.917	0.00	2.78	4.755	O	|	|	|	|	7.32	28.083	0.00	2.53	3.621	O	|	|	|	|	6.23
23.000	0.00	2.77	4.736	O	|	|	|	|	7.30	28.167	0.00	2.52	3.604	O	|	|	|	|	6.21
23.083	0.00	2.77	4.717	O	|	|	|	|	7.29	28.250	0.00	2.52	3.587	O	|	|	|	|	6.20
23.167	0.00	2.77	4.698	O	|	|	|	|	7.27	28.333	0.00	2.51	3.569	O	|	|	|	|	6.18

28.417	0.00	2.51	3.552	O	|	|	|	|	6.16	33.583	0.00	2.22	2.543	O	|	|	|	|	5.03
28.500	0.00	2.50	3.535	O	|	|	|	|	6.14	33.667	0.00	2.21	2.528	O	|	|	|	|	5.01
28.583	0.00	2.50	3.518	O	|	|	|	|	6.13	33.750	0.00	2.21	2.512	O	|	|	|	|	4.99
28.667	0.00	2.50	3.500	O	|	|	|	|	6.11	33.833	0.00	2.20	2.497	O	|	|	|	|	4.97
28.750	0.00	2.49	3.483	O	|	|	|	|	6.09	33.917	0.00	2.19	2.482	O	|	|	|	|	4.95
28.833	0.00	2.49	3.466	O	|	|	|	|	6.08	34.000	0.00	2.19	2.467	O	|	|	|	|	4.93
28.917	0.00	2.48	3.449	O	|	|	|	|	6.06	34.083	0.00	2.18	2.452	O	|	|	|	|	4.91
29.000	0.00	2.48	3.432	O	|	|	|	|	6.04	34.167	0.00	2.18	2.437	O	|	|	|	|	4.89
29.083	0.00	2.48	3.415	O	|	|	|	|	6.02	34.250	0.00	2.17	2.422	O	|	|	|	|	4.86
29.167	0.00	2.47	3.398	O	|	|	|	|	6.01	34.333	0.00	2.16	2.407	O	|	|	|	|	4.84
29.250	0.00	2.47	3.381	O	|	|	|	|	5.99	34.417	0.00	2.16	2.392	O	|	|	|	|	4.82
29.333	0.00	2.46	3.364	O	|	|	|	|	5.97	34.500	0.00	2.15	2.377	O	|	|	|	|	4.80
29.417	0.00	2.46	3.347	O	|	|	|	|	5.95	34.583	0.00	2.15	2.362	O	|	|	|	|	4.78
29.500	0.00	2.45	3.330	O	|	|	|	|	5.93	34.667	0.00	2.14	2.348	O	|	|	|	|	4.76
29.583	0.00	2.45	3.313	O	|	|	|	|	5.91	34.750	0.00	2.14	2.333	O	|	|	|	|	4.74
29.667	0.00	2.44	3.296	O	|	|	|	|	5.89	34.833	0.00	2.13	2.318	O	|	|	|	|	4.72
29.750	0.00	2.44	3.279	O	|	|	|	|	5.87	34.917	0.00	2.12	2.304	O	|	|	|	|	4.70
29.833	0.00	2.43	3.263	O	|	|	|	|	5.85	35.000	0.00	2.12	2.289	O	|	|	|	|	4.68
29.917	0.00	2.43	3.246	O	|	|	|	|	5.83	35.083	0.00	2.11	2.274	O	|	|	|	|	4.66
30.000	0.00	2.42	3.229	O	|	|	|	|	5.81	35.167	0.00	2.11	2.260	O	|	|	|	|	4.64
30.083	0.00	2.42	3.212	O	|	|	|	|	5.80	35.250	0.00	2.10	2.245	O	|	|	|	|	4.62
30.167	0.00	2.41	3.196	O	|	|	|	|	5.78	35.333	0.00	2.10	2.231	O	|	|	|	|	4.60
30.250	0.00	2.41	3.179	O	|	|	|	|	5.76	35.417	0.00	2.09	2.217	O	|	|	|	|	4.59
30.333	0.00	2.40	3.163	O	|	|	|	|	5.74	35.500	0.00	2.08	2.202	O	|	|	|	|	4.57
30.417	0.00	2.40	3.146	O	|	|	|	|	5.72	35.583	0.00	2.08	2.188	O	|	|	|	|	4.55
30.500	0.00	2.39	3.130	O	|	|	|	|	5.70	35.667	0.00	2.07	2.174	O	|	|	|	|	4.53
30.583	0.00	2.39	3.113	O	|	|	|	|	5.68	35.750	0.00	2.07	2.159	O	|	|	|	|	4.51
30.667	0.00	2.38	3.097	O	|	|	|	|	5.66	35.833	0.00	2.06	2.145	O	|	|	|	|	4.49
30.750	0.00	2.38	3.080	O	|	|	|	|	5.64	35.917	0.00	2.06	2.131	O	|	|	|	|	4.47
30.833	0.00	2.37	3.064	O	|	|	|	|	5.62	36.000	0.00	2.05	2.117	O	|	|	|	|	4.45
30.917	0.00	2.37	3.048	O	|	|	|	|	5.61	36.083	0.00	2.04	2.103	O	|	|	|	|	4.43
31.000	0.00	2.36	3.031	O	|	|	|	|	5.59	36.167	0.00	2.04	2.089	O	|	|	|	|	4.41
31.083	0.00	2.36	3.015	O	|	|	|	|	5.57	36.250	0.00	2.03	2.075	O	|	|	|	|	4.39
31.167	0.00	2.35	2.999	O	|	|	|	|	5.55	36.333	0.00	2.03	2.061	O	|	|	|	|	4.37
31.250	0.00	2.35	2.983	O	|	|	|	|	5.53	36.417	0.00	2.02	2.047	O	|	|	|	|	4.35
31.333	0.00	2.34	2.967	O	|	|	|	|	5.51	36.500	0.00	2.02	2.033	O	|	|	|	|	4.33
31.417	0.00	2.34	2.951	O	|	|	|	|	5.49	36.583	0.00	2.01	2.019	O	|	|	|	|	4.32
31.500	0.00	2.33	2.934	O	|	|	|	|	5.48	36.667	0.00	2.01	2.005	O	|	|	|	|	4.30
31.583	0.00	2.33	2.918	O	|	|	|	|	5.46	36.750	0.00	2.00	1.991	O	|	|	|	|	4.28
31.667	0.00	2.32	2.902	O	|	|	|	|	5.44	36.833	0.00	2.00	1.977	O	|	|	|	|	4.26
31.750	0.00	2.32	2.886	O	|	|	|	|	5.42	36.917	0.00	1.99	1.964	O	|	|	|	|	4.24
31.833	0.00	2.31	2.870	O	|	|	|	|	5.40	37.000	0.00	1.98	1.950	O	|	|	|	|	4.22
31.917	0.00	2.31	2.854	O	|	|	|	|	5.38	37.083	0.00	1.98	1.936	O	|	|	|	|	4.20
32.000	0.00	2.31	2.839	O	|	|	|	|	5.37	37.167	0.00	1.97	1.923	O	|	|	|	|	4.18
32.083	0.00	2.30	2.823	O	|	|	|	|	5.35	37.250	0.00	1.97	1.909	O	|	|	|	|	4.17
32.167	0.00	2.30	2.807	O	|	|	|	|	5.33	37.333	0.00	1.96	1.896	O	|	|	|	|	4.15
32.250	0.00	2.29	2.791	O	|	|	|	|	5.31	37.417	0.00	1.96	1.882	O	|	|	|	|	4.13
32.333	0.00	2.29	2.775	O	|	|	|	|	5.29	37.500	0.00	1.95	1.869	O	|	|	|	|	4.11
32.417	0.00	2.28	2.760	O	|	|	|	|	5.27	37.583	0.00	1.95	1.855	O	|	|	|	|	4.09
32.500	0.00	2.28	2.744	O	|	|	|	|	5.26	37.667	0.00	1.94	1.842	O	|	|	|	|	4.07
32.583	0.00	2.27	2.728	O	|	|	|	|	5.24	37.750	0.00	1.94	1.829	O	|	|	|	|	4.06
32.667	0.00	2.27	2.713	O	|	|	|	|	5.22	37.833	0.00	1.93	1.815	O	|	|	|	|	4.04
32.750	0.00	2.26	2.697	O	|	|	|	|	5.20	37.917	0.00	1.93	1.802	O	|	|	|	|	4.02
32.833	0.00	2.26	2.681	O	|	|	|	|	5.18	38.000	0.00	1.92	1.789	O	|	|	|	|	4.00
32.917	0.00	2.25	2.666	O	|	|	|	|	5.17	38.083	0.00	1.91	1.775	O	|	|	|	|	3.98
33.000	0.00	2.25	2.650	O	|	|	|	|	5.15	38.167	0.00	1.91	1.762	O	|	|	|	|	3.96
33.083	0.00	2.24	2.635	O	|	|	|	|	5.13	38.250	0.00	1.90	1.749	O	|	|	|	|	3.94
33.167	0.00	2.24	2.620	O	|	|	|	|	5.11	38.333	0.00	1.89	1.736	O	|	|	|	|	3.92
33.250	0.00	2.23	2.604	O	|	|	|	|	5.10	38.417	0.00	1.88	1.723	O	|	|	|	|	3.89
33.333	0.00	2.23	2.589	O	|	|	|	|	5.08	38.500	0.00	1.87	1.710	O	|	|	|	|	3.87
33.417	0.00	2.23	2.573	O	|	|	|	|	5.06	38.583	0.00	1.87	1.697	O	|	|	|	|	3.85
33.500	0.00	2.22	2.558	O	|	|	|	|	5.04	38.667	0.00	1.86	1.685	O	|	|	|	|	3.83

38.750	0.00	1.85	1.672	O					3.81	43.917	0.00	1.37	0.979	O					2.58
38.833	0.00	1.84	1.659	O					3.79	44.000	0.00	1.36	0.970	O					2.56
38.917	0.00	1.84	1.646	O					3.77	44.083	0.00	1.35	0.961	O					2.54
39.000	0.00	1.83	1.634	O					3.75	44.167	0.00	1.34	0.951	O					2.52
39.083	0.00	1.82	1.621	O					3.72	44.250	0.00	1.33	0.942	O					2.50
39.167	0.00	1.81	1.609	O					3.70	44.333	0.00	1.32	0.933	O					2.48
39.250	0.00	1.81	1.596	O					3.68	44.417	0.00	1.31	0.924	O					2.46
39.333	0.00	1.80	1.584	O					3.66	44.500	0.00	1.30	0.915	O					2.44
39.417	0.00	1.79	1.571	O					3.64	44.583	0.00	1.30	0.906	O					2.43
39.500	0.00	1.78	1.559	O					3.62	44.667	0.00	1.29	0.897	O					2.41
39.583	0.00	1.78	1.547	O					3.60	44.750	0.00	1.28	0.888	O					2.39
39.667	0.00	1.77	1.535	O					3.58	44.833	0.00	1.27	0.879	O					2.37
39.750	0.00	1.76	1.523	O					3.56	44.917	0.00	1.26	0.871	O					2.35
39.833	0.00	1.75	1.510	O					3.54	45.000	0.00	1.25	0.862	O					2.34
39.917	0.00	1.75	1.498	O					3.52	45.083	0.00	1.25	0.853	O					2.32
40.000	0.00	1.74	1.486	O					3.50	45.167	0.00	1.24	0.845	O					2.30
40.083	0.00	1.73	1.474	O					3.48	45.250	0.00	1.23	0.836	O					2.28
40.167	0.00	1.73	1.462	O					3.46	45.333	0.00	1.22	0.828	O					2.27
40.250	0.00	1.72	1.451	O					3.44	45.417	0.00	1.21	0.820	O					2.25
40.333	0.00	1.71	1.439	O					3.42	45.500	0.00	1.21	0.811	O					2.23
40.417	0.00	1.70	1.427	O					3.40	45.583	0.00	1.20	0.803	O					2.21
40.500	0.00	1.70	1.415	O					3.38	45.667	0.00	1.19	0.795	O					2.20
40.583	0.00	1.69	1.404	O					3.36	45.750	0.00	1.18	0.787	O					2.18
40.667	0.00	1.68	1.392	O					3.34	45.833	0.00	1.18	0.778	O					2.16
40.750	0.00	1.68	1.380	O					3.32	45.917	0.00	1.17	0.770	O					2.15
40.833	0.00	1.67	1.369	O					3.31	46.000	0.00	1.16	0.762	O					2.13
40.917	0.00	1.66	1.357	O					3.29	46.083	0.00	1.15	0.754	O					2.11
41.000	0.00	1.66	1.346	O					3.27	46.167	0.00	1.14	0.746	O					2.10
41.083	0.00	1.65	1.335	O					3.25	46.250	0.00	1.14	0.739	O					2.08
41.167	0.00	1.64	1.323	O					3.23	46.333	0.00	1.13	0.731	O					2.07
41.250	0.00	1.64	1.312	O					3.21	46.417	0.00	1.12	0.723	O					2.05
41.333	0.00	1.63	1.301	O					3.19	46.500	0.00	1.12	0.715	O					2.03
41.417	0.00	1.62	1.290	O					3.17	46.583	0.00	1.11	0.708	O					2.02
41.500	0.00	1.62	1.278	O					3.16	46.667	0.00	1.10	0.700	O					2.00
41.583	0.00	1.61	1.267	O					3.14	46.750	0.00	1.09	0.693	O					1.98
41.667	0.00	1.60	1.256	O					3.12	46.833	0.00	1.07	0.685	O					1.96
41.750	0.00	1.60	1.245	O					3.10	46.917	0.00	1.05	0.678	O					1.95
41.833	0.00	1.59	1.234	O					3.08	47.000	0.00	1.04	0.671	O					1.93
41.917	0.00	1.58	1.223	O					3.06	47.083	0.00	1.02	0.663	O					1.91
42.000	0.00	1.58	1.212	O					3.05	47.167	0.00	1.01	0.656	O					1.89
42.083	0.00	1.57	1.202	O					3.03	47.250	0.00	0.99	0.650	O					1.87
42.167	0.00	1.56	1.191	O					3.01	47.333	0.00	0.98	0.643	O					1.86
42.250	0.00	1.56	1.180	O					2.99	47.417	0.00	0.97	0.636	O					1.84
42.333	0.00	1.55	1.169	O					2.97	47.500	0.00	0.95	0.629	O					1.82
42.417	0.00	1.54	1.159	O					2.95	47.583	0.00	0.94	0.623	O					1.81
42.500	0.00	1.53	1.148	O					2.92	47.667	0.00	0.92	0.617	O					1.79
42.583	0.00	1.52	1.138	O					2.90	47.750	0.00	0.91	0.610	O					1.77
42.667	0.00	1.51	1.127	O					2.88	47.833	0.00	0.90	0.604	O					1.76
42.750	0.00	1.50	1.117	O					2.86	47.917	0.00	0.88	0.598	O					1.74
42.833	0.00	1.49	1.107	O					2.84	48.000	0.00	0.87	0.592	O					1.73
42.917	0.00	1.48	1.097	O					2.82	48.083	0.00	0.86	0.586	O					1.71
43.000	0.00	1.47	1.086	O					2.80	48.167	0.00	0.85	0.580	O					1.70
43.083	0.00	1.46	1.076	O					2.78	48.250	0.00	0.83	0.574	O					1.68
43.167	0.00	1.45	1.066	O					2.76	48.333	0.00	0.82	0.569	O					1.67
43.250	0.00	1.44	1.056	O					2.74	48.417	0.00	0.81	0.563	O					1.65
43.333	0.00	1.43	1.047	O					2.72	48.500	0.00	0.80	0.557	O					1.64
43.417	0.00	1.42	1.037	O					2.69	48.583	0.00	0.79	0.552	O					1.63
43.500	0.00	1.41	1.027	O					2.67	48.667	0.00	0.77	0.547	O					1.61
43.583	0.00	1.40	1.017	O					2.66	48.750	0.00	0.76	0.541	O					1.60
43.667	0.00	1.39	1.008	O					2.64	48.833	0.00	0.75	0.536	O					1.59
43.750	0.00	1.38	0.998	O					2.62	48.917	0.00	0.74	0.531	O					1.57
43.833	0.00	1.37	0.989	O					2.60	49.000	0.00	0.73	0.526	O					1.56

49.083	0.00	0.72	0.521	O	|	|	|	|	1.55	54.250	0.00	0.29	0.319	O	|	|	|	|	1.03
49.167	0.00	0.71	0.516	O	|	|	|	|	1.53	54.333	0.00	0.28	0.317	O	|	|	|	|	1.03
49.250	0.00	0.70	0.511	O	|	|	|	|	1.52	54.417	0.00	0.28	0.316	O	|	|	|	|	1.02
49.333	0.00	0.69	0.506	O	|	|	|	|	1.51	54.500	0.00	0.28	0.314	O	|	|	|	|	1.02
49.417	0.00	0.68	0.502	O	|	|	|	|	1.50	54.583	0.00	0.27	0.312	O	|	|	|	|	1.01
49.500	0.00	0.67	0.497	O	|	|	|	|	1.49	54.667	0.00	0.27	0.310	O	|	|	|	|	1.01
49.583	0.00	0.66	0.492	O	|	|	|	|	1.47	54.750	0.00	0.26	0.308	O	|	|	|	|	1.01
49.667	0.00	0.65	0.488	O	|	|	|	|	1.46	54.833	0.00	0.26	0.306	O	|	|	|	|	1.00
49.750	0.00	0.64	0.483	O	|	|	|	|	1.45	54.917	0.00	0.26	0.304	O	|	|	|	|	0.99
49.833	0.00	0.63	0.479	O	|	|	|	|	1.44	55.000	0.00	0.26	0.303	O	|	|	|	|	0.99
49.917	0.00	0.62	0.475	O	|	|	|	|	1.43	55.083	0.00	0.26	0.301	O	|	|	|	|	0.98
50.000	0.00	0.61	0.471	O	|	|	|	|	1.42	55.167	0.00	0.25	0.299	O	|	|	|	|	0.98
50.083	0.00	0.60	0.466	O	|	|	|	|	1.41	55.250	0.00	0.25	0.297	O	|	|	|	|	0.97
50.167	0.00	0.59	0.462	O	|	|	|	|	1.40	55.333	0.00	0.25	0.296	O	|	|	|	|	0.97
50.250	0.00	0.59	0.458	O	|	|	|	|	1.39	55.417	0.00	0.25	0.294	O	|	|	|	|	0.96
50.333	0.00	0.58	0.454	O	|	|	|	|	1.38	55.500	0.00	0.25	0.292	O	|	|	|	|	0.95
50.417	0.00	0.57	0.450	O	|	|	|	|	1.37	55.583	0.00	0.25	0.291	O	|	|	|	|	0.95
50.500	0.00	0.56	0.446	O	|	|	|	|	1.36	55.667	0.00	0.25	0.289	O	|	|	|	|	0.94
50.583	0.00	0.55	0.443	O	|	|	|	|	1.35	55.750	0.00	0.24	0.287	O	|	|	|	|	0.94
50.667	0.00	0.54	0.439	O	|	|	|	|	1.34	55.833	0.00	0.24	0.285	O	|	|	|	|	0.93
50.750	0.00	0.54	0.435	O	|	|	|	|	1.33	55.917	0.00	0.24	0.284	O	|	|	|	|	0.93
50.833	0.00	0.53	0.431	O	|	|	|	|	1.32	56.000	0.00	0.24	0.282	O	|	|	|	|	0.92
50.917	0.00	0.52	0.428	O	|	|	|	|	1.31	56.083	0.00	0.24	0.280	O	|	|	|	|	0.92
51.000	0.00	0.51	0.424	O	|	|	|	|	1.30	56.167	0.00	0.24	0.279	O	|	|	|	|	0.91
51.083	0.00	0.51	0.421	O	|	|	|	|	1.29	56.250	0.00	0.24	0.277	O	|	|	|	|	0.91
51.167	0.00	0.50	0.417	O	|	|	|	|	1.28	56.333	0.00	0.23	0.276	O	|	|	|	|	0.90
51.250	0.00	0.49	0.414	O	|	|	|	|	1.27	56.417	0.00	0.23	0.274	O	|	|	|	|	0.90
51.333	0.00	0.48	0.410	O	|	|	|	|	1.27	56.500	0.00	0.23	0.272	O	|	|	|	|	0.89
51.417	0.00	0.48	0.407	O	|	|	|	|	1.26	56.583	0.00	0.23	0.271	O	|	|	|	|	0.88
51.500	0.00	0.47	0.404	O	|	|	|	|	1.25	56.667	0.00	0.23	0.269	O	|	|	|	|	0.88
51.583	0.00	0.46	0.401	O	|	|	|	|	1.24	56.750	0.00	0.23	0.268	O	|	|	|	|	0.87
51.667	0.00	0.46	0.398	O	|	|	|	|	1.23	56.833	0.00	0.23	0.266	O	|	|	|	|	0.87
51.750	0.00	0.45	0.394	O	|	|	|	|	1.23	56.917	0.00	0.22	0.265	O	|	|	|	|	0.86
51.833	0.00	0.44	0.391	O	|	|	|	|	1.22	57.000	0.00	0.22	0.263	O	|	|	|	|	0.86
51.917	0.00	0.44	0.388	O	|	|	|	|	1.21	57.083	0.00	0.22	0.261	O	|	|	|	|	0.85
52.000	0.00	0.43	0.385	O	|	|	|	|	1.20	57.167	0.00	0.22	0.260	O	|	|	|	|	0.85
52.083	0.00	0.42	0.382	O	|	|	|	|	1.19	57.250	0.00	0.22	0.258	O	|	|	|	|	0.84
52.167	0.00	0.42	0.380	O	|	|	|	|	1.19	57.333	0.00	0.22	0.257	O	|	|	|	|	0.84
52.250	0.00	0.41	0.377	O	|	|	|	|	1.18	57.417	0.00	0.22	0.255	O	|	|	|	|	0.83
52.333	0.00	0.41	0.374	O	|	|	|	|	1.17	57.500	0.00	0.22	0.254	O	|	|	|	|	0.83
52.417	0.00	0.40	0.371	O	|	|	|	|	1.17	57.583	0.00	0.21	0.252	O	|	|	|	|	0.82
52.500	0.00	0.39	0.368	O	|	|	|	|	1.16	57.667	0.00	0.21	0.251	O	|	|	|	|	0.82
52.583	0.00	0.39	0.366	O	|	|	|	|	1.15	57.750	0.00	0.21	0.250	O	|	|	|	|	0.82
52.667	0.00	0.38	0.363	O	|	|	|	|	1.15	57.833	0.00	0.21	0.248	O	|	|	|	|	0.81
52.750	0.00	0.38	0.360	O	|	|	|	|	1.14	57.917	0.00	0.21	0.247	O	|	|	|	|	0.81
52.833	0.00	0.37	0.358	O	|	|	|	|	1.13	58.000	0.00	0.21	0.245	O	|	|	|	|	0.80
52.917	0.00	0.37	0.355	O	|	|	|	|	1.13	58.083	0.00	0.21	0.244	O	|	|	|	|	0.80
53.000	0.00	0.36	0.353	O	|	|	|	|	1.12	58.167	0.00	0.21	0.242	O	|	|	|	|	0.79
53.083	0.00	0.35	0.350	O	|	|	|	|	1.11	58.250	0.00	0.20	0.241	O	|	|	|	|	0.79
53.167	0.00	0.35	0.348	O	|	|	|	|	1.11	58.333	0.00	0.20	0.239	O	|	|	|	|	0.78
53.250	0.00	0.34	0.346	O	|	|	|	|	1.10	58.417	0.00	0.20	0.238	O	|	|	|	|	0.78
53.333	0.00	0.34	0.343	O	|	|	|	|	1.09	58.500	0.00	0.20	0.237	O	|	|	|	|	0.77
53.417	0.00	0.33	0.341	O	|	|	|	|	1.09	58.583	0.00	0.20	0.235	O	|	|	|	|	0.77
53.500	0.00	0.33	0.339	O	|	|	|	|	1.08	58.667	0.00	0.20	0.234	O	|	|	|	|	0.76
53.583	0.00	0.32	0.336	O	|	|	|	|	1.08	58.750	0.00	0.20	0.233	O	|	|	|	|	0.76
53.667	0.00	0.32	0.334	O	|	|	|	|	1.07	58.833	0.00	0.20	0.231	O	|	|	|	|	0.76
53.750	0.00	0.32	0.332	O	|	|	|	|	1.07	58.917	0.00	0.20	0.230	O	|	|	|	|	0.75
53.833	0.00	0.31	0.330	O	|	|	|	|	1.06	59.000	0.00	0.19	0.229	O	|	|	|	|	0.75
53.917	0.00	0.31	0.328	O	|	|	|	|	1.06	59.083	0.00	0.19	0.227	O	|	|	|	|	0.74
54.000	0.00	0.30	0.326	O	|	|	|	|	1.05	59.167	0.00	0.19	0.226	O	|	|	|	|	0.74
54.083	0.00	0.30	0.323	O	|	|	|	|	1.04	59.250	0.00	0.19	0.225	O	|	|	|	|	0.73
54.167	0.00	0.29	0.321	O	|	|	|	|	1.04	59.333	0.00	0.19	0.223	O	|	|	|	|	0.73

59.417	0.00	0.19	0.222	O	|	|	|	|	0.73	64.583	0.00	0.13	0.154	O	|	|	|	|	0.50
59.500	0.00	0.19	0.221	O	|	|	|	|	0.72	64.667	0.00	0.13	0.154	O	|	|	|	|	0.50
59.583	0.00	0.19	0.219	O	|	|	|	|	0.72	64.750	0.00	0.13	0.153	O	|	|	|	|	0.50
59.667	0.00	0.19	0.218	O	|	|	|	|	0.71	64.833	0.00	0.13	0.152	O	|	|	|	|	0.50
59.750	0.00	0.18	0.217	O	|	|	|	|	0.71	64.917	0.00	0.13	0.151	O	|	|	|	|	0.49
59.833	0.00	0.18	0.216	O	|	|	|	|	0.70	65.000	0.00	0.13	0.150	O	|	|	|	|	0.49
59.917	0.00	0.18	0.214	O	|	|	|	|	0.70	65.083	0.00	0.13	0.149	O	|	|	|	|	0.49
60.000	0.00	0.18	0.213	O	|	|	|	|	0.70	65.167	0.00	0.13	0.148	O	|	|	|	|	0.48
60.083	0.00	0.18	0.212	O	|	|	|	|	0.69	65.250	0.00	0.13	0.147	O	|	|	|	|	0.48
60.167	0.00	0.18	0.211	O	|	|	|	|	0.69	65.333	0.00	0.12	0.146	O	|	|	|	|	0.48
60.250	0.00	0.18	0.209	O	|	|	|	|	0.68	65.417	0.00	0.12	0.146	O	|	|	|	|	0.48
60.333	0.00	0.18	0.208	O	|	|	|	|	0.68	65.500	0.00	0.12	0.145	O	|	|	|	|	0.47
60.417	0.00	0.18	0.207	O	|	|	|	|	0.68	65.583	0.00	0.12	0.144	O	|	|	|	|	0.47
60.500	0.00	0.17	0.206	O	|	|	|	|	0.67	65.667	0.00	0.12	0.143	O	|	|	|	|	0.47
60.583	0.00	0.17	0.204	O	|	|	|	|	0.67	65.750	0.00	0.12	0.142	O	|	|	|	|	0.46
60.667	0.00	0.17	0.203	O	|	|	|	|	0.66	65.833	0.00	0.12	0.141	O	|	|	|	|	0.46
60.750	0.00	0.17	0.202	O	|	|	|	|	0.66	65.917	0.00	0.12	0.141	O	|	|	|	|	0.46
60.833	0.00	0.17	0.201	O	|	|	|	|	0.66	66.000	0.00	0.12	0.140	O	|	|	|	|	0.46
60.917	0.00	0.17	0.200	O	|	|	|	|	0.65	66.083	0.00	0.12	0.139	O	|	|	|	|	0.45
61.000	0.00	0.17	0.199	O	|	|	|	|	0.65	66.167	0.00	0.12	0.138	O	|	|	|	|	0.45
61.083	0.00	0.17	0.197	O	|	|	|	|	0.65	66.250	0.00	0.12	0.137	O	|	|	|	|	0.45
61.167	0.00	0.17	0.196	O	|	|	|	|	0.64	66.333	0.00	0.12	0.137	O	|	|	|	|	0.45
61.250	0.00	0.17	0.195	O	|	|	|	|	0.64	66.417	0.00	0.12	0.136	O	|	|	|	|	0.44
61.333	0.00	0.16	0.194	O	|	|	|	|	0.63	66.500	0.00	0.11	0.135	O	|	|	|	|	0.44
61.417	0.00	0.16	0.193	O	|	|	|	|	0.63	66.583	0.00	0.11	0.134	O	|	|	|	|	0.44
61.500	0.00	0.16	0.192	O	|	|	|	|	0.63	66.667	0.00	0.11	0.133	O	|	|	|	|	0.44
61.583	0.00	0.16	0.191	O	|	|	|	|	0.62	66.750	0.00	0.11	0.133	O	|	|	|	|	0.43
61.667	0.00	0.16	0.190	O	|	|	|	|	0.62	66.833	0.00	0.11	0.132	O	|	|	|	|	0.43
61.750	0.00	0.16	0.188	O	|	|	|	|	0.62	66.917	0.00	0.11	0.131	O	|	|	|	|	0.43
61.833	0.00	0.16	0.187	O	|	|	|	|	0.61	67.000	0.00	0.11	0.130	O	|	|	|	|	0.43
61.917	0.00	0.16	0.186	O	|	|	|	|	0.61	67.083	0.00	0.11	0.130	O	|	|	|	|	0.42
62.000	0.00	0.16	0.185	O	|	|	|	|	0.60	67.167	0.00	0.11	0.129	O	|	|	|	|	0.42
62.083	0.00	0.16	0.184	O	|	|	|	|	0.60	67.250	0.00	0.11	0.128	O	|	|	|	|	0.42
62.167	0.00	0.16	0.183	O	|	|	|	|	0.60	67.333	0.00	0.11	0.127	O	|	|	|	|	0.42
62.250	0.00	0.15	0.182	O	|	|	|	|	0.59	67.417	0.00	0.11	0.127	O	|	|	|	|	0.41
62.333	0.00	0.15	0.181	O	|	|	|	|	0.59	67.500	0.00	0.11	0.126	O	|	|	|	|	0.41
62.417	0.00	0.15	0.180	O	|	|	|	|	0.59	67.583	0.00	0.11	0.125	O	|	|	|	|	0.41
62.500	0.00	0.15	0.179	O	|	|	|	|	0.58	67.667	0.00	0.11	0.124	O	|	|	|	|	0.41
62.583	0.00	0.15	0.178	O	|	|	|	|	0.58	67.750	0.00	0.11	0.124	O	|	|	|	|	0.40
62.667	0.00	0.15	0.177	O	|	|	|	|	0.58	67.833	0.00	0.10	0.123	O	|	|	|	|	0.40
62.750	0.00	0.15	0.176	O	|	|	|	|	0.57	67.917	0.00	0.10	0.122	O	|	|	|	|	0.40
62.833	0.00	0.15	0.175	O	|	|	|	|	0.57	68.000	0.00	0.10	0.121	O	|	|	|	|	0.40
62.917	0.00	0.15	0.174	O	|	|	|	|	0.57	68.083	0.00	0.10	0.121	O	|	|	|	|	0.39
63.000	0.00	0.15	0.173	O	|	|	|	|	0.56	68.167	0.00	0.10	0.120	O	|	|	|	|	0.39
63.083	0.00	0.15	0.172	O	|	|	|	|	0.56	68.250	0.00	0.10	0.119	O	|	|	|	|	0.39
63.167	0.00	0.14	0.171	O	|	|	|	|	0.56	68.333	0.00	0.10	0.119	O	|	|	|	|	0.39
63.250	0.00	0.14	0.170	O	|	|	|	|	0.55	68.417	0.00	0.10	0.118	O	|	|	|	|	0.39
63.333	0.00	0.14	0.169	O	|	|	|	|	0.55	68.500	0.00	0.10	0.117	O	|	|	|	|	0.38
63.417	0.00	0.14	0.168	O	|	|	|	|	0.55	68.583	0.00	0.10	0.117	O	|	|	|	|	0.38
63.500	0.00	0.14	0.167	O	|	|	|	|	0.54	68.667	0.00	0.10	0.116	O	|	|	|	|	0.38
63.583	0.00	0.14	0.166	O	|	|	|	|	0.54	68.750	0.00	0.10	0.115	O	|	|	|	|	0.38
63.667	0.00	0.14	0.165	O	|	|	|	|	0.54	68.833	0.00	0.10	0.115	O	|	|	|	|	0.37
63.750	0.00	0.14	0.164	O	|	|	|	|	0.54	68.917	0.00	0.10	0.114	O	|	|	|	|	0.37
63.833	0.00	0.14	0.163	O	|	|	|	|	0.53	69.000	0.00	0.10	0.113	O	|	|	|	|	0.37
63.917	0.00	0.14	0.162	O	|	|	|	|	0.53	69.083	0.00	0.10	0.113	O	|	|	|	|	0.37
64.000	0.00	0.14	0.161	O	|	|	|	|	0.53	69.167	0.00	0.10	0.112	O	|	|	|	|	0.37
64.083	0.00	0.14	0.160	O	|	|	|	|	0.52	69.250	0.00	0.09	0.111	O	|	|	|	|	0.36
64.167	0.00	0.14	0.159	O	|	|	|	|	0.52	69.333	0.00	0.09	0.111	O	|	|	|	|	0.36
64.250	0.00	0.13	0.158	O	|	|	|	|	0.52	69.417	0.00	0.09	0.110	O	|	|	|	|	0.36
64.333	0.00	0.13	0.157	O	|	|	|	|	0.51	69.500	0.00	0.09	0.109	O	|	|	|	|	0.36
64.417	0.00	0.13	0.156	O	|	|	|	|	0.51	69.583	0.00	0.09	0.109	O	|	|	|	|	0.36
64.500	0.00	0.13	0.155	O	|	|	|	|	0.51	69.667	0.00	0.09	0.108	O	|	|	|	|	0.35

69.750	0.00	0.09	0.107	O	|	|	|	|	0.35	74.917	0.00	0.06	0.075	O	|	|	|	|	0.24
69.833	0.00	0.09	0.107	O	|	|	|	|	0.35	75.000	0.00	0.06	0.074	O	|	|	|	|	0.24
69.917	0.00	0.09	0.106	O	|	|	|	|	0.35	75.083	0.00	0.06	0.074	O	|	|	|	|	0.24
70.000	0.00	0.09	0.106	O	|	|	|	|	0.34	75.167	0.00	0.06	0.073	O	|	|	|	|	0.24
70.083	0.00	0.09	0.105	O	|	|	|	|	0.34	75.250	0.00	0.06	0.073	O	|	|	|	|	0.24
70.167	0.00	0.09	0.104	O	|	|	|	|	0.34	75.333	0.00	0.06	0.073	O	|	|	|	|	0.24
70.250	0.00	0.09	0.104	O	|	|	|	|	0.34	75.417	0.00	0.06	0.072	O	|	|	|	|	0.24
70.333	0.00	0.09	0.103	O	|	|	|	|	0.34	75.500	0.00	0.06	0.072	O	|	|	|	|	0.23
70.417	0.00	0.09	0.103	O	|	|	|	|	0.34	75.583	0.00	0.06	0.071	O	|	|	|	|	0.23
70.500	0.00	0.09	0.102	O	|	|	|	|	0.33	75.667	0.00	0.06	0.071	O	|	|	|	|	0.23
70.583	0.00	0.09	0.101	O	|	|	|	|	0.33	75.750	0.00	0.06	0.070	O	|	|	|	|	0.23
70.667	0.00	0.09	0.101	O	|	|	|	|	0.33	75.833	0.00	0.06	0.070	O	|	|	|	|	0.23
70.750	0.00	0.09	0.100	O	|	|	|	|	0.33	75.917	0.00	0.06	0.070	O	|	|	|	|	0.23
70.833	0.00	0.08	0.100	O	|	|	|	|	0.33	76.000	0.00	0.06	0.069	O	|	|	|	|	0.23
70.917	0.00	0.08	0.099	O	|	|	|	|	0.32	76.083	0.00	0.06	0.069	O	|	|	|	|	0.23
71.000	0.00	0.08	0.098	O	|	|	|	|	0.32	76.167	0.00	0.06	0.068	O	|	|	|	|	0.22
71.083	0.00	0.08	0.098	O	|	|	|	|	0.32	76.250	0.00	0.06	0.068	O	|	|	|	|	0.22
71.167	0.00	0.08	0.097	O	|	|	|	|	0.32	76.333	0.00	0.06	0.068	O	|	|	|	|	0.22
71.250	0.00	0.08	0.097	O	|	|	|	|	0.32	76.417	0.00	0.06	0.067	O	|	|	|	|	0.22
71.333	0.00	0.08	0.096	O	|	|	|	|	0.31	76.500	0.00	0.06	0.067	O	|	|	|	|	0.22
71.417	0.00	0.08	0.096	O	|	|	|	|	0.31	76.583	0.00	0.06	0.066	O	|	|	|	|	0.22
71.500	0.00	0.08	0.095	O	|	|	|	|	0.31	76.667	0.00	0.06	0.066	O	|	|	|	|	0.22
71.583	0.00	0.08	0.094	O	|	|	|	|	0.31	76.750	0.00	0.06	0.066	O	|	|	|	|	0.21
71.667	0.00	0.08	0.094	O	|	|	|	|	0.31	76.833	0.00	0.06	0.065	O	|	|	|	|	0.21
71.750	0.00	0.08	0.093	O	|	|	|	|	0.31	76.917	0.00	0.06	0.065	O	|	|	|	|	0.21
71.833	0.00	0.08	0.093	O	|	|	|	|	0.30	77.000	0.00	0.05	0.065	O	|	|	|	|	0.21
71.917	0.00	0.08	0.092	O	|	|	|	|	0.30	77.083	0.00	0.05	0.064	O	|	|	|	|	0.21
72.000	0.00	0.08	0.092	O	|	|	|	|	0.30	77.167	0.00	0.05	0.064	O	|	|	|	|	0.21
72.083	0.00	0.08	0.091	O	|	|	|	|	0.30	77.250	0.00	0.05	0.063	O	|	|	|	|	0.21
72.167	0.00	0.08	0.091	O	|	|	|	|	0.30	77.333	0.00	0.05	0.063	O	|	|	|	|	0.21
72.250	0.00	0.08	0.090	O	|	|	|	|	0.29	77.417	0.00	0.05	0.063	O	|	|	|	|	0.20
72.333	0.00	0.08	0.090	O	|	|	|	|	0.29	77.500	0.00	0.05	0.062	O	|	|	|	|	0.20
72.417	0.00	0.08	0.089	O	|	|	|	|	0.29	77.583	0.00	0.05	0.062	O	|	|	|	|	0.20
72.500	0.00	0.08	0.089	O	|	|	|	|	0.29	77.667	0.00	0.05	0.062	O	|	|	|	|	0.20
72.583	0.00	0.07	0.088	O	|	|	|	|	0.29	77.750	0.00	0.05	0.061	O	|	|	|	|	0.20
72.667	0.00	0.07	0.088	O	|	|	|	|	0.29	77.833	0.00	0.05	0.061	O	|	|	|	|	0.20
72.750	0.00	0.07	0.087	O	|	|	|	|	0.28	77.917	0.00	0.05	0.061	O	|	|	|	|	0.20
72.833	0.00	0.07	0.087	O	|	|	|	|	0.28	78.000	0.00	0.05	0.060	O	|	|	|	|	0.20
72.917	0.00	0.07	0.086	O	|	|	|	|	0.28	78.083	0.00	0.05	0.060	O	|	|	|	|	0.20
73.000	0.00	0.07	0.086	O	|	|	|	|	0.28	78.167	0.00	0.05	0.059	O	|	|	|	|	0.19
73.083	0.00	0.07	0.085	O	|	|	|	|	0.28	78.250	0.00	0.05	0.059	O	|	|	|	|	0.19
73.167	0.00	0.07	0.085	O	|	|	|	|	0.28	78.333	0.00	0.05	0.059	O	|	|	|	|	0.19
73.250	0.00	0.07	0.084	O	|	|	|	|	0.27	78.417	0.00	0.05	0.058	O	|	|	|	|	0.19
73.333	0.00	0.07	0.084	O	|	|	|	|	0.27	78.500	0.00	0.05	0.058	O	|	|	|	|	0.19
73.417	0.00	0.07	0.083	O	|	|	|	|	0.27	78.583	0.00	0.05	0.058	O	|	|	|	|	0.19
73.500	0.00	0.07	0.083	O	|	|	|	|	0.27	78.667	0.00	0.05	0.057	O	|	|	|	|	0.19
73.583	0.00	0.07	0.082	O	|	|	|	|	0.27	78.750	0.00	0.05	0.057	O	|	|	|	|	0.19
73.667	0.00	0.07	0.082	O	|	|	|	|	0.27	78.833	0.00	0.05	0.057	O	|	|	|	|	0.19
73.750	0.00	0.07	0.081	O	|	|	|	|	0.27	78.917	0.00	0.05	0.056	O	|	|	|	|	0.18
73.833	0.00	0.07	0.081	O	|	|	|	|	0.26	79.000	0.00	0.05	0.056	O	|	|	|	|	0.18
73.917	0.00	0.07	0.080	O	|	|	|	|	0.26	79.083	0.00	0.05	0.056	O	|	|	|	|	0.18
74.000	0.00	0.07	0.080	O	|	|	|	|	0.26	79.167	0.00	0.05	0.055	O	|	|	|	|	0.18
74.083	0.00	0.07	0.079	O	|	|	|	|	0.26	79.250	0.00	0.05	0.055	O	|	|	|	|	0.18
74.167	0.00	0.07	0.079	O	|	|	|	|	0.26	79.333	0.00	0.05	0.055	O	|	|	|	|	0.18
74.250	0.00	0.07	0.078	O	|	|	|	|	0.26	79.417	0.00	0.05	0.054	O	|	|	|	|	0.18
74.333	0.00	0.07	0.078	O	|	|	|	|	0.25	79.500	0.00	0.05	0.054	O	|	|	|	|	0.18
74.417	0.00	0.07	0.077	O	|	|	|	|	0.25	79.583	0.00	0.05	0.054	O	|	|	|	|	0.18
74.500	0.00	0.07	0.077	O	|	|	|	|	0.25	79.667	0.00	0.05	0.054	O	|	|	|	|	0.17
74.583	0.00	0.07	0.077	O	|	|	|	|	0.25	79.750	0.00	0.05	0.053	O	|	|	|	|	0.17
74.667	0.00	0.06	0.076	O	|	|	|	|	0.25	79.833	0.00	0.04	0.053	O	|	|	|	|	0.17
74.750	0.00	0.06	0.076	O	|	|	|	|	0.25	79.917	0.00	0.04	0.053	O	|	|	|	|	0.17
74.833	0.00	0.06	0.075	O	|	|	|	|	0.25	80.000	0.00	0.04	0.052	O	|	|	|	|	0.17

80.083	0.00	0.04	0.052	O					0.17	85.250	0.00	0.03	0.036	O					0.12
80.167	0.00	0.04	0.052	O					0.17	85.333	0.00	0.03	0.036	O					0.12
80.250	0.00	0.04	0.051	O					0.17	85.417	0.00	0.03	0.036	O					0.12
80.333	0.00	0.04	0.051	O					0.17	85.500	0.00	0.03	0.036	O					0.12
80.417	0.00	0.04	0.051	O					0.17	85.583	0.00	0.03	0.035	O					0.12
80.500	0.00	0.04	0.050	O					0.17	85.667	0.00	0.03	0.035	O					0.11
80.583	0.00	0.04	0.050	O					0.16	85.750	0.00	0.03	0.035	O					0.11
80.667	0.00	0.04	0.050	O					0.16	85.833	0.00	0.03	0.035	O					0.11
80.750	0.00	0.04	0.050	O					0.16	85.917	0.00	0.03	0.035	O					0.11
80.833	0.00	0.04	0.049	O					0.16	86.000	0.00	0.03	0.034	O					0.11
80.917	0.00	0.04	0.049	O					0.16	86.083	0.00	0.03	0.034	O					0.11
81.000	0.00	0.04	0.049	O					0.16	86.167	0.00	0.03	0.034	O					0.11
81.083	0.00	0.04	0.048	O					0.16	86.250	0.00	0.03	0.034	O					0.11
81.167	0.00	0.04	0.048	O					0.16	86.333	0.00	0.03	0.034	O					0.11
81.250	0.00	0.04	0.048	O					0.16	86.417	0.00	0.03	0.033	O					0.11
81.333	0.00	0.04	0.048	O					0.16	86.500	0.00	0.03	0.033	O					0.11
81.417	0.00	0.04	0.047	O					0.15	86.583	0.00	0.03	0.033	O					0.11
81.500	0.00	0.04	0.047	O					0.15	86.667	0.00	0.03	0.033	O					0.11
81.583	0.00	0.04	0.047	O					0.15	86.750	0.00	0.03	0.033	O					0.11
81.667	0.00	0.04	0.047	O					0.15	86.833	0.00	0.03	0.032	O					0.11
81.750	0.00	0.04	0.046	O					0.15	86.917	0.00	0.03	0.032	O					0.11
81.833	0.00	0.04	0.046	O					0.15	87.000	0.00	0.03	0.032	O					0.10
81.917	0.00	0.04	0.046	O					0.15	87.083	0.00	0.03	0.032	O					0.10
82.000	0.00	0.04	0.045	O					0.15	87.167	0.00	0.03	0.032	O					0.10
82.083	0.00	0.04	0.045	O					0.15	87.250	0.00	0.03	0.031	O					0.10
82.167	0.00	0.04	0.045	O					0.15	87.333	0.00	0.03	0.031	O					0.10
82.250	0.00	0.04	0.045	O					0.15	87.417	0.00	0.03	0.031	O					0.10
82.333	0.00	0.04	0.044	O					0.15	87.500	0.00	0.03	0.031	O					0.10
82.417	0.00	0.04	0.044	O					0.14	87.583	0.00	0.03	0.031	O					0.10
82.500	0.00	0.04	0.044	O					0.14	87.667	0.00	0.03	0.031	O					0.10
82.583	0.00	0.04	0.044	O					0.14	87.750	0.00	0.03	0.030	O					0.10
82.667	0.00	0.04	0.043	O					0.14	87.833	0.00	0.03	0.030	O					0.10
82.750	0.00	0.04	0.043	O					0.14	87.917	0.00	0.03	0.030	O					0.10
82.833	0.00	0.04	0.043	O					0.14	88.000	0.00	0.03	0.030	O					0.10
82.917	0.00	0.04	0.043	O					0.14	88.083	0.00	0.03	0.030	O					0.10
83.000	0.00	0.04	0.042	O					0.14	88.167	0.00	0.03	0.029	O					0.10
83.083	0.00	0.04	0.042	O					0.14	88.250	0.00	0.02	0.029	O					0.10
83.167	0.00	0.04	0.042	O					0.14	88.333	0.00	0.02	0.029	O					0.10
83.250	0.00	0.04	0.042	O					0.14	88.417	0.00	0.02	0.029	O					0.09
83.333	0.00	0.04	0.041	O					0.14	88.500	0.00	0.02	0.029	O					0.09
83.417	0.00	0.03	0.041	O					0.13	88.583	0.00	0.02	0.029	O					0.09
83.500	0.00	0.03	0.041	O					0.13	88.667	0.00	0.02	0.028	O					0.09
83.583	0.00	0.03	0.041	O					0.13	88.750	0.00	0.02	0.028	O					0.09
83.667	0.00	0.03	0.040	O					0.13	88.833	0.00	0.02	0.028	O					0.09
83.750	0.00	0.03	0.040	O					0.13	88.917	0.00	0.02	0.028	O					0.09
83.833	0.00	0.03	0.040	O					0.13	89.000	0.00	0.02	0.028	O					0.09
83.917	0.00	0.03	0.040	O					0.13	89.083	0.00	0.02	0.028	O					0.09
84.000	0.00	0.03	0.039	O					0.13	89.167	0.00	0.02	0.027	O					0.09
84.083	0.00	0.03	0.039	O					0.13	89.250	0.00	0.02	0.027	O					0.09
84.167	0.00	0.03	0.039	O					0.13	89.333	0.00	0.02	0.027	O					0.09
84.250	0.00	0.03	0.039	O					0.13	89.417	0.00	0.02	0.027	O					0.09
84.333	0.00	0.03	0.039	O					0.13	89.500	0.00	0.02	0.027	O					0.09
84.417	0.00	0.03	0.038	O					0.13	89.583	0.00	0.02	0.027	O					0.09
84.500	0.00	0.03	0.038	O					0.12	89.667	0.00	0.02	0.027	O					0.09
84.583	0.00	0.03	0.038	O					0.12	89.750	0.00	0.02	0.026	O					0.09
84.667	0.00	0.03	0.038	O					0.12	89.833	0.00	0.02	0.026	O					0.09
84.750	0.00	0.03	0.037	O					0.12	89.917	0.00	0.02	0.026	O					0.09
84.833	0.00	0.03	0.037	O					0.12	90.000	0.00	0.02	0.026	O					0.08
84.917	0.00	0.03	0.037	O					0.12	90.083	0.00	0.02	0.026	O					0.08
85.000	0.00	0.03	0.037	O					0.12	90.167	0.00	0.02	0.026	O					0.08
85.083	0.00	0.03	0.037	O					0.12	90.250	0.00	0.02	0.025	O					0.08
85.167	0.00	0.03	0.036	O					0.12	90.333	0.00	0.02	0.025	O					0.08

90.417	0.00	0.02	0.025	O					0.08	95.583	0.00	0.01	0.018	O					0.06
90.500	0.00	0.02	0.025	O					0.08	95.667	0.00	0.01	0.017	O					0.06
90.583	0.00	0.02	0.025	O					0.08	95.750	0.00	0.01	0.017	O					0.06
90.667	0.00	0.02	0.025	O					0.08	95.833	0.00	0.01	0.017	O					0.06
90.750	0.00	0.02	0.025	O					0.08	95.917	0.00	0.01	0.017	O					0.06
90.833	0.00	0.02	0.024	O					0.08	96.000	0.00	0.01	0.017	O					0.06
90.917	0.00	0.02	0.024	O					0.08	96.083	0.00	0.01	0.017	O					0.06
91.000	0.00	0.02	0.024	O					0.08	96.167	0.00	0.01	0.017	O					0.05
91.083	0.00	0.02	0.024	O					0.08	96.250	0.00	0.01	0.017	O					0.05
91.167	0.00	0.02	0.024	O					0.08	96.333	0.00	0.01	0.017	O					0.05
91.250	0.00	0.02	0.024	O					0.08	96.417	0.00	0.01	0.017	O					0.05
91.333	0.00	0.02	0.024	O					0.08	96.500	0.00	0.01	0.016	O					0.05
91.417	0.00	0.02	0.023	O					0.08	96.583	0.00	0.01	0.016	O					0.05
91.500	0.00	0.02	0.023	O					0.08	96.667	0.00	0.01	0.016	O					0.05
91.583	0.00	0.02	0.023	O					0.08	96.750	0.00	0.01	0.016	O					0.05
91.667	0.00	0.02	0.023	O					0.08	96.833	0.00	0.01	0.016	O					0.05
91.750	0.00	0.02	0.023	O					0.07	96.917	0.00	0.01	0.016	O					0.05
91.833	0.00	0.02	0.023	O					0.07	97.000	0.00	0.01	0.016	O					0.05
91.917	0.00	0.02	0.023	O					0.07	97.083	0.00	0.01	0.016	O					0.05
92.000	0.00	0.02	0.023	O					0.07	97.167	0.00	0.01	0.016	O					0.05
92.083	0.00	0.02	0.022	O					0.07	97.250	0.00	0.01	0.016	O					0.05
92.167	0.00	0.02	0.022	O					0.07	97.333	0.00	0.01	0.015	O					0.05
92.250	0.00	0.02	0.022	O					0.07	97.417	0.00	0.01	0.015	O					0.05
92.333	0.00	0.02	0.022	O					0.07	97.500	0.00	0.01	0.015	O					0.05
92.417	0.00	0.02	0.022	O					0.07	97.583	0.00	0.01	0.015	O					0.05
92.500	0.00	0.02	0.022	O					0.07	97.667	0.00	0.01	0.015	O					0.05
92.583	0.00	0.02	0.022	O					0.07	97.750	0.00	0.01	0.015	O					0.05
92.667	0.00	0.02	0.021	O					0.07	97.833	0.00	0.01	0.015	O					0.05
92.750	0.00	0.02	0.021	O					0.07	97.917	0.00	0.01	0.015	O					0.05
92.833	0.00	0.02	0.021	O					0.07	98.000	0.00	0.01	0.015	O					0.05
92.917	0.00	0.02	0.021	O					0.07	98.083	0.00	0.01	0.015	O					0.05
93.000	0.00	0.02	0.021	O					0.07	98.167	0.00	0.01	0.015	O					0.05
93.083	0.00	0.02	0.021	O					0.07	98.250	0.00	0.01	0.015	O					0.05
93.167	0.00	0.02	0.021	O					0.07	98.333	0.00	0.01	0.014	O					0.05
93.250	0.00	0.02	0.021	O					0.07	98.417	0.00	0.01	0.014	O					0.05
93.333	0.00	0.02	0.021	O					0.07	98.500	0.00	0.01	0.014	O					0.05
93.417	0.00	0.02	0.020	O					0.07	98.583	0.00	0.01	0.014	O					0.05
93.500	0.00	0.02	0.020	O					0.07	98.667	0.00	0.01	0.014	O					0.05
93.583	0.00	0.02	0.020	O					0.07	98.750	0.00	0.01	0.014	O					0.05
93.667	0.00	0.02	0.020	O					0.07	98.833	0.00	0.01	0.014	O					0.05
93.750	0.00	0.02	0.020	O					0.07	98.917	0.00	0.01	0.014	O					0.05
93.833	0.00	0.02	0.020	O					0.06	99.000	0.00	0.01	0.014	O					0.05
93.917	0.00	0.02	0.020	O					0.06	99.083	0.00	0.01	0.014	O					0.04
94.000	0.00	0.02	0.020	O					0.06	99.167	0.00	0.01	0.014	O					0.04
94.083	0.00	0.02	0.019	O					0.06	99.250	0.00	0.01	0.014	O					0.04
94.167	0.00	0.02	0.019	O					0.06	99.333	0.00	0.01	0.013	O					0.04
94.250	0.00	0.02	0.019	O					0.06	99.417	0.00	0.01	0.013	O					0.04
94.333	0.00	0.02	0.019	O					0.06	99.500	0.00	0.01	0.013	O					0.04
94.417	0.00	0.02	0.019	O					0.06	99.583	0.00	0.01	0.013	O					0.04
94.500	0.00	0.02	0.019	O					0.06	99.667	0.00	0.01	0.013	O					0.04
94.583	0.00	0.02	0.019	O					0.06	99.750	0.00	0.01	0.013	O					0.04
94.667	0.00	0.02	0.019	O					0.06	99.833	0.00	0.01	0.013	O					0.04
94.750	0.00	0.02	0.019	O					0.06	99.917	0.00	0.01	0.013	O					0.04
94.833	0.00	0.02	0.018	O					0.06	100.000	0.00	0.01	0.013	O					0.04
94.917	0.00	0.02	0.018	O					0.06	100.083	0.00	0.01	0.013	O					0.04
95.000	0.00	0.02	0.018	O					0.06	100.167	0.00	0.01	0.013	O					0.04
95.083	0.00	0.02	0.018	O					0.06	100.250	0.00	0.01	0.013	O					0.04
95.167	0.00	0.02	0.018	O					0.06	100.333	0.00	0.01	0.013	O					0.04
95.250	0.00	0.02	0.018	O					0.06	100.417	0.00	0.01	0.012	O					0.04
95.333	0.00	0.02	0.018	O					0.06	100.500	0.00	0.01	0.012	O					0.04
95.417	0.00	0.02	0.018	O					0.06	100.583	0.00	0.01	0.012	O					0.04
95.500	0.00	0.01	0.018	O					0.06	100.667	0.00	0.01	0.012	O					0.04

100.750	0.00	0.01	0.012	O	|	|	|	|	0.04	105.917	0.00	0.01	0.008	O	|	|	|	|	0.03
100.833	0.00	0.01	0.012	O	|	|	|	|	0.04	106.000	0.00	0.01	0.008	O	|	|	|	|	0.03
100.917	0.00	0.01	0.012	O	|	|	|	|	0.04	106.083	0.00	0.01	0.008	O	|	|	|	|	0.03
101.000	0.00	0.01	0.012	O	|	|	|	|	0.04	106.167	0.00	0.01	0.008	O	|	|	|	|	0.03
101.083	0.00	0.01	0.012	O	|	|	|	|	0.04	106.250	0.00	0.01	0.008	O	|	|	|	|	0.03
101.167	0.00	0.01	0.012	O	|	|	|	|	0.04	106.333	0.00	0.01	0.008	O	|	|	|	|	0.03
101.250	0.00	0.01	0.012	O	|	|	|	|	0.04	106.417	0.00	0.01	0.008	O	|	|	|	|	0.03
101.333	0.00	0.01	0.012	O	|	|	|	|	0.04	106.500	0.00	0.01	0.008	O	|	|	|	|	0.03
101.417	0.00	0.01	0.012	O	|	|	|	|	0.04	106.583	0.00	0.01	0.008	O	|	|	|	|	0.03
101.500	0.00	0.01	0.012	O	|	|	|	|	0.04	106.667	0.00	0.01	0.008	O	|	|	|	|	0.03
101.583	0.00	0.01	0.011	O	|	|	|	|	0.04	106.750	0.00	0.01	0.008	O	|	|	|	|	0.03
101.667	0.00	0.01	0.011	O	|	|	|	|	0.04	106.833	0.00	0.01	0.008	O	|	|	|	|	0.03
101.750	0.00	0.01	0.011	O	|	|	|	|	0.04	106.917	0.00	0.01	0.008	O	|	|	|	|	0.03
101.833	0.00	0.01	0.011	O	|	|	|	|	0.04	107.000	0.00	0.01	0.008	O	|	|	|	|	0.03
101.917	0.00	0.01	0.011	O	|	|	|	|	0.04	107.083	0.00	0.01	0.008	O	|	|	|	|	0.03
102.000	0.00	0.01	0.011	O	|	|	|	|	0.04	107.167	0.00	0.01	0.008	O	|	|	|	|	0.03
102.083	0.00	0.01	0.011	O	|	|	|	|	0.04	107.250	0.00	0.01	0.008	O	|	|	|	|	0.03
102.167	0.00	0.01	0.011	O	|	|	|	|	0.04	107.333	0.00	0.01	0.008	O	|	|	|	|	0.03
102.250	0.00	0.01	0.011	O	|	|	|	|	0.04	107.417	0.00	0.01	0.008	O	|	|	|	|	0.02
102.333	0.00	0.01	0.011	O	|	|	|	|	0.04	107.500	0.00	0.01	0.008	O	|	|	|	|	0.02
102.417	0.00	0.01	0.011	O	|	|	|	|	0.04	107.583	0.00	0.01	0.008	O	|	|	|	|	0.02
102.500	0.00	0.01	0.011	O	|	|	|	|	0.04	107.667	0.00	0.01	0.007	O	|	|	|	|	0.02
102.583	0.00	0.01	0.011	O	|	|	|	|	0.04	107.750	0.00	0.01	0.007	O	|	|	|	|	0.02
102.667	0.00	0.01	0.011	O	|	|	|	|	0.03	107.833	0.00	0.01	0.007	O	|	|	|	|	0.02
102.750	0.00	0.01	0.011	O	|	|	|	|	0.03	107.917	0.00	0.01	0.007	O	|	|	|	|	0.02
102.833	0.00	0.01	0.011	O	|	|	|	|	0.03	108.000	0.00	0.01	0.007	O	|	|	|	|	0.02
102.917	0.00	0.01	0.010	O	|	|	|	|	0.03	108.083	0.00	0.01	0.007	O	|	|	|	|	0.02
103.000	0.00	0.01	0.010	O	|	|	|	|	0.03	108.167	0.00	0.01	0.007	O	|	|	|	|	0.02
103.083	0.00	0.01	0.010	O	|	|	|	|	0.03	108.250	0.00	0.01	0.007	O	|	|	|	|	0.02
103.167	0.00	0.01	0.010	O	|	|	|	|	0.03	108.333	0.00	0.01	0.007	O	|	|	|	|	0.02
103.250	0.00	0.01	0.010	O	|	|	|	|	0.03	108.417	0.00	0.01	0.007	O	|	|	|	|	0.02
103.333	0.00	0.01	0.010	O	|	|	|	|	0.03	108.500	0.00	0.01	0.007	O	|	|	|	|	0.02
103.417	0.00	0.01	0.010	O	|	|	|	|	0.03	108.583	0.00	0.01	0.007	O	|	|	|	|	0.02
103.500	0.00	0.01	0.010	O	|	|	|	|	0.03	108.667	0.00	0.01	0.007	O	|	|	|	|	0.02
103.583	0.00	0.01	0.010	O	|	|	|	|	0.03	108.750	0.00	0.01	0.007	O	|	|	|	|	0.02
103.667	0.00	0.01	0.010	O	|	|	|	|	0.03	108.833	0.00	0.01	0.007	O	|	|	|	|	0.02
103.750	0.00	0.01	0.010	O	|	|	|	|	0.03	108.917	0.00	0.01	0.007	O	|	|	|	|	0.02
103.833	0.00	0.01	0.010	O	|	|	|	|	0.03	109.000	0.00	0.01	0.007	O	|	|	|	|	0.02
103.917	0.00	0.01	0.010	O	|	|	|	|	0.03	109.083	0.00	0.01	0.007	O	|	|	|	|	0.02
104.000	0.00	0.01	0.010	O	|	|	|	|	0.03	109.167	0.00	0.01	0.007	O	|	|	|	|	0.02
104.083	0.00	0.01	0.010	O	|	|	|	|	0.03	109.250	0.00	0.01	0.007	O	|	|	|	|	0.02
104.167	0.00	0.01	0.010	O	|	|	|	|	0.03	109.333	0.00	0.01	0.007	O	|	|	|	|	0.02
104.250	0.00	0.01	0.010	O	|	|	|	|	0.03	109.417	0.00	0.01	0.007	O	|	|	|	|	0.02
104.333	0.00	0.01	0.009	O	|	|	|	|	0.03	109.500	0.00	0.01	0.007	O	|	|	|	|	0.02
104.417	0.00	0.01	0.009	O	|	|	|	|	0.03	109.583	0.00	0.01	0.007	O	|	|	|	|	0.02
104.500	0.00	0.01	0.009	O	|	|	|	|	0.03	109.667	0.00	0.01	0.007	O	|	|	|	|	0.02
104.583	0.00	0.01	0.009	O	|	|	|	|	0.03	109.750	0.00	0.01	0.006	O	|	|	|	|	0.02
104.667	0.00	0.01	0.009	O	|	|	|	|	0.03	109.833	0.00	0.01	0.006	O	|	|	|	|	0.02
104.750	0.00	0.01	0.009	O	|	|	|	|	0.03	109.917	0.00	0.01	0.006	O	|	|	|	|	0.02
104.833	0.00	0.01	0.009	O	|	|	|	|	0.03	110.000	0.00	0.01	0.006	O	|	|	|	|	0.02
104.917	0.00	0.01	0.009	O	|	|	|	|	0.03	110.083	0.00	0.01	0.006	O	|	|	|	|	0.02
105.000	0.00	0.01	0.009	O	|	|	|	|	0.03	110.167	0.00	0.01	0.006	O	|	|	|	|	0.02
105.083	0.00	0.01	0.009	O	|	|	|	|	0.03	110.250	0.00	0.01	0.006	O	|	|	|	|	0.02
105.167	0.00	0.01	0.009	O	|	|	|	|	0.03	110.333	0.00	0.01	0.006	O	|	|	|	|	0.02
105.250	0.00	0.01	0.009	O	|	|	|	|	0.03	110.417	0.00	0.01	0.006	O	|	|	|	|	0.02
105.333	0.00	0.01	0.009	O	|	|	|	|	0.03	110.500	0.00	0.01	0.006	O	|	|	|	|	0.02
105.417	0.00	0.01	0.009	O	|	|	|	|	0.03	110.583	0.00	0.01	0.006	O	|	|	|	|	0.02
105.500	0.00	0.01	0.009	O	|	|	|	|	0.03	110.667	0.00	0.01	0.006	O	|	|	|	|	0.02
105.583	0.00	0.01	0.009	O	|	|	|	|	0.03	110.750	0.00	0.01	0.006	O	|	|	|	|	0.02
105.667	0.00	0.01	0.009	O	|	|	|	|	0.03	110.833	0.00	0.01	0.006	O	|	|	|	|	0.02
105.750	0.00	0.01	0.009	O	|	|	|	|	0.03	110.917	0.00	0.01	0.006	O	|	|	|	|	0.02
105.833	0.00	0.01	0.009	O	|	|	|	|	0.03	111.000	0.00	0.01	0.006	O	|	|	|	|	0.02

111.083	0.00	0.01	0.006	O	|	|	|	|	0.02	116.250	0.00	0.00	0.004	O	|	|	|	|	0.01
111.167	0.00	0.00	0.006	O	|	|	|	|	0.02	116.333	0.00	0.00	0.004	O	|	|	|	|	0.01
111.250	0.00	0.00	0.006	O	|	|	|	|	0.02	116.417	0.00	0.00	0.004	O	|	|	|	|	0.01
111.333	0.00	0.00	0.006	O	|	|	|	|	0.02	116.500	0.00	0.00	0.004	O	|	|	|	|	0.01
111.417	0.00	0.00	0.006	O	|	|	|	|	0.02	116.583	0.00	0.00	0.004	O	|	|	|	|	0.01
111.500	0.00	0.00	0.006	O	|	|	|	|	0.02	116.667	0.00	0.00	0.004	O	|	|	|	|	0.01
111.583	0.00	0.00	0.006	O	|	|	|	|	0.02	116.750	0.00	0.00	0.004	O	|	|	|	|	0.01
111.667	0.00	0.00	0.006	O	|	|	|	|	0.02	116.833	0.00	0.00	0.004	O	|	|	|	|	0.01
111.750	0.00	0.00	0.006	O	|	|	|	|	0.02	116.917	0.00	0.00	0.004	O	|	|	|	|	0.01
111.833	0.00	0.00	0.006	O	|	|	|	|	0.02	117.000	0.00	0.00	0.004	O	|	|	|	|	0.01
111.917	0.00	0.00	0.006	O	|	|	|	|	0.02	117.083	0.00	0.00	0.004	O	|	|	|	|	0.01
112.000	0.00	0.00	0.006	O	|	|	|	|	0.02	117.167	0.00	0.00	0.004	O	|	|	|	|	0.01
112.083	0.00	0.00	0.005	O	|	|	|	|	0.02	117.250	0.00	0.00	0.004	O	|	|	|	|	0.01
112.167	0.00	0.00	0.005	O	|	|	|	|	0.02	117.333	0.00	0.00	0.004	O	|	|	|	|	0.01
112.250	0.00	0.00	0.005	O	|	|	|	|	0.02	117.417	0.00	0.00	0.004	O	|	|	|	|	0.01
112.333	0.00	0.00	0.005	O	|	|	|	|	0.02	117.500	0.00	0.00	0.004	O	|	|	|	|	0.01
112.417	0.00	0.00	0.005	O	|	|	|	|	0.02	117.583	0.00	0.00	0.004	O	|	|	|	|	0.01
112.500	0.00	0.00	0.005	O	|	|	|	|	0.02	117.667	0.00	0.00	0.004	O	|	|	|	|	0.01
112.583	0.00	0.00	0.005	O	|	|	|	|	0.02	117.750	0.00	0.00	0.004	O	|	|	|	|	0.01
112.667	0.00	0.00	0.005	O	|	|	|	|	0.02	117.833	0.00	0.00	0.004	O	|	|	|	|	0.01
112.750	0.00	0.00	0.005	O	|	|	|	|	0.02	117.917	0.00	0.00	0.004	O	|	|	|	|	0.01
112.833	0.00	0.00	0.005	O	|	|	|	|	0.02	118.000	0.00	0.00	0.004	O	|	|	|	|	0.01
112.917	0.00	0.00	0.005	O	|	|	|	|	0.02	118.083	0.00	0.00	0.004	O	|	|	|	|	0.01
113.000	0.00	0.00	0.005	O	|	|	|	|	0.02	118.167	0.00	0.00	0.004	O	|	|	|	|	0.01
113.083	0.00	0.00	0.005	O	|	|	|	|	0.02	118.250	0.00	0.00	0.004	O	|	|	|	|	0.01
113.167	0.00	0.00	0.005	O	|	|	|	|	0.02	118.333	0.00	0.00	0.004	O	|	|	|	|	0.01
113.250	0.00	0.00	0.005	O	|	|	|	|	0.02	118.417	0.00	0.00	0.004	O	|	|	|	|	0.01
113.333	0.00	0.00	0.005	O	|	|	|	|	0.02	118.500	0.00	0.00	0.004	O	|	|	|	|	0.01
113.417	0.00	0.00	0.005	O	|	|	|	|	0.02	118.583	0.00	0.00	0.003	O	|	|	|	|	0.01
113.500	0.00	0.00	0.005	O	|	|	|	|	0.02	118.667	0.00	0.00	0.003	O	|	|	|	|	0.01
113.583	0.00	0.00	0.005	O	|	|	|	|	0.02	118.750	0.00	0.00	0.003	O	|	|	|	|	0.01
113.667	0.00	0.00	0.005	O	|	|	|	|	0.02	118.833	0.00	0.00	0.003	O	|	|	|	|	0.01
113.750	0.00	0.00	0.005	O	|	|	|	|	0.02	118.917	0.00	0.00	0.003	O	|	|	|	|	0.01
113.833	0.00	0.00	0.005	O	|	|	|	|	0.02	119.000	0.00	0.00	0.003	O	|	|	|	|	0.01
113.917	0.00	0.00	0.005	O	|	|	|	|	0.02	119.083	0.00	0.00	0.003	O	|	|	|	|	0.01
114.000	0.00	0.00	0.005	O	|	|	|	|	0.02	119.167	0.00	0.00	0.003	O	|	|	|	|	0.01
114.083	0.00	0.00	0.005	O	|	|	|	|	0.02	119.250	0.00	0.00	0.003	O	|	|	|	|	0.01
114.167	0.00	0.00	0.005	O	|	|	|	|	0.02	119.333	0.00	0.00	0.003	O	|	|	|	|	0.01
114.250	0.00	0.00	0.005	O	|	|	|	|	0.02	119.417	0.00	0.00	0.003	O	|	|	|	|	0.01
114.333	0.00	0.00	0.005	O	|	|	|	|	0.02	119.500	0.00	0.00	0.003	O	|	|	|	|	0.01
114.417	0.00	0.00	0.005	O	|	|	|	|	0.02	119.583	0.00	0.00	0.003	O	|	|	|	|	0.01
114.500	0.00	0.00	0.005	O	|	|	|	|	0.02	119.667	0.00	0.00	0.003	O	|	|	|	|	0.01
114.583	0.00	0.00	0.005	O	|	|	|	|	0.02	119.750	0.00	0.00	0.003	O	|	|	|	|	0.01
114.667	0.00	0.00	0.005	O	|	|	|	|	0.01	119.833	0.00	0.00	0.003	O	|	|	|	|	0.01
114.750	0.00	0.00	0.005	O	|	|	|	|	0.01	119.917	0.00	0.00	0.003	O	|	|	|	|	0.01
114.833	0.00	0.00	0.005	O	|	|	|	|	0.01	120.000	0.00	0.00	0.003	O	|	|	|	|	0.01
114.917	0.00	0.00	0.005	O	|	|	|	|	0.01	120.083	0.00	0.00	0.003	O	|	|	|	|	0.01
115.000	0.00	0.00	0.004	O	|	|	|	|	0.01	120.167	0.00	0.00	0.003	O	|	|	|	|	0.01
115.083	0.00	0.00	0.004	O	|	|	|	|	0.01	120.250	0.00	0.00	0.003	O	|	|	|	|	0.01
115.167	0.00	0.00	0.004	O	|	|	|	|	0.01	120.333	0.00	0.00	0.003	O	|	|	|	|	0.01
115.250	0.00	0.00	0.004	O	|	|	|	|	0.01	120.417	0.00	0.00	0.003	O	|	|	|	|	0.01
115.333	0.00	0.00	0.004	O	|	|	|	|	0.01	120.500	0.00	0.00	0.003	O	|	|	|	|	0.01
115.417	0.00	0.00	0.004	O	|	|	|	|	0.01	120.583	0.00	0.00	0.003	O	|	|	|	|	0.01
115.500	0.00	0.00	0.004	O	|	|	|	|	0.01	120.667	0.00	0.00	0.003	O	|	|	|	|	0.01
115.583	0.00	0.00	0.004	O	|	|	|	|	0.01	120.750	0.00	0.00	0.003	O	|	|	|	|	0.01
115.667	0.00	0.00	0.004	O	|	|	|	|	0.01	120.833	0.00	0.00	0.003	O	|	|	|	|	0.01
115.750	0.00	0.00	0.004	O	|	|	|	|	0.01	120.917	0.00	0.00	0.003	O	|	|	|	|	0.01
115.833	0.00	0.00	0.004	O	|	|	|	|	0.01	121.000	0.00	0.00	0.003	O	|	|	|	|	0.01
115.917	0.00	0.00	0.004	O	|	|	|	|	0.01	121.083	0.00	0.00	0.003	O	|	|	|	|	0.01
116.000	0.00	0.00	0.004	O	|	|	|	|	0.01	121.167	0.00	0.00	0.003	O	|	|	|	|	0.01
116.083	0.00	0.00	0.004	O	|	|	|	|	0.01	121.250	0.00	0.00	0.003	O	|	|	|	|	0.01
116.167	0.00	0.00	0.004	O	|	|	|	|	0.01	121.333	0.00	0.00	0.003	O	|	|	|	|	0.01

121.417	0.00	0.00	0.003	O	|	|	|	|	0.01	126.583	0.00	0.00	0.002	O	|	|	|	|	0.01
121.500	0.00	0.00	0.003	O	|	|	|	|	0.01	126.667	0.00	0.00	0.002	O	|	|	|	|	0.01
121.583	0.00	0.00	0.003	O	|	|	|	|	0.01	126.750	0.00	0.00	0.002	O	|	|	|	|	0.01
121.667	0.00	0.00	0.003	O	|	|	|	|	0.01	126.833	0.00	0.00	0.002	O	|	|	|	|	0.01
121.750	0.00	0.00	0.003	O	|	|	|	|	0.01	126.917	0.00	0.00	0.002	O	|	|	|	|	0.01
121.833	0.00	0.00	0.003	O	|	|	|	|	0.01	127.000	0.00	0.00	0.002	O	|	|	|	|	0.01
121.917	0.00	0.00	0.003	O	|	|	|	|	0.01	127.083	0.00	0.00	0.002	O	|	|	|	|	0.01
122.000	0.00	0.00	0.003	O	|	|	|	|	0.01	127.167	0.00	0.00	0.002	O	|	|	|	|	0.01
122.083	0.00	0.00	0.003	O	|	|	|	|	0.01	127.250	0.00	0.00	0.002	O	|	|	|	|	0.01
122.167	0.00	0.00	0.003	O	|	|	|	|	0.01	127.333	0.00	0.00	0.002	O	|	|	|	|	0.01
122.250	0.00	0.00	0.003	O	|	|	|	|	0.01	127.417	0.00	0.00	0.002	O	|	|	|	|	0.01
122.333	0.00	0.00	0.003	O	|	|	|	|	0.01	127.500	0.00	0.00	0.002	O	|	|	|	|	0.01
122.417	0.00	0.00	0.003	O	|	|	|	|	0.01	127.583	0.00	0.00	0.002	O	|	|	|	|	0.01
122.500	0.00	0.00	0.003	O	|	|	|	|	0.01	127.667	0.00	0.00	0.002	O	|	|	|	|	0.01
122.583	0.00	0.00	0.003	O	|	|	|	|	0.01	127.750	0.00	0.00	0.002	O	|	|	|	|	0.01
122.667	0.00	0.00	0.003	O	|	|	|	|	0.01	127.833	0.00	0.00	0.002	O	|	|	|	|	0.01
122.750	0.00	0.00	0.003	O	|	|	|	|	0.01	127.917	0.00	0.00	0.002	O	|	|	|	|	0.01
122.833	0.00	0.00	0.003	O	|	|	|	|	0.01	128.000	0.00	0.00	0.002	O	|	|	|	|	0.01
122.917	0.00	0.00	0.003	O	|	|	|	|	0.01	128.083	0.00	0.00	0.002	O	|	|	|	|	0.01
123.000	0.00	0.00	0.003	O	|	|	|	|	0.01	128.167	0.00	0.00	0.002	O	|	|	|	|	0.01
123.083	0.00	0.00	0.003	O	|	|	|	|	0.01	128.250	0.00	0.00	0.002	O	|	|	|	|	0.01
123.167	0.00	0.00	0.003	O	|	|	|	|	0.01	128.333	0.00	0.00	0.002	O	|	|	|	|	0.01
123.250	0.00	0.00	0.003	O	|	|	|	|	0.01	128.417	0.00	0.00	0.002	O	|	|	|	|	0.01
123.333	0.00	0.00	0.002	O	|	|	|	|	0.01	128.500	0.00	0.00	0.002	O	|	|	|	|	0.01
123.417	0.00	0.00	0.002	O	|	|	|	|	0.01	128.583	0.00	0.00	0.002	O	|	|	|	|	0.01
123.500	0.00	0.00	0.002	O	|	|	|	|	0.01	128.667	0.00	0.00	0.002	O	|	|	|	|	0.01
123.583	0.00	0.00	0.002	O	|	|	|	|	0.01	128.750	0.00	0.00	0.002	O	|	|	|	|	0.01
123.667	0.00	0.00	0.002	O	|	|	|	|	0.01	128.833	0.00	0.00	0.002	O	|	|	|	|	0.01
123.750	0.00	0.00	0.002	O	|	|	|	|	0.01	128.917	0.00	0.00	0.002	O	|	|	|	|	0.01
123.833	0.00	0.00	0.002	O	|	|	|	|	0.01	129.000	0.00	0.00	0.002	O	|	|	|	|	0.01
123.917	0.00	0.00	0.002	O	|	|	|	|	0.01	129.083	0.00	0.00	0.002	O	|	|	|	|	0.01
124.000	0.00	0.00	0.002	O	|	|	|	|	0.01	129.167	0.00	0.00	0.002	O	|	|	|	|	0.01
124.083	0.00	0.00	0.002	O	|	|	|	|	0.01	129.250	0.00	0.00	0.002	O	|	|	|	|	0.01
124.167	0.00	0.00	0.002	O	|	|	|	|	0.01	129.333	0.00	0.00	0.002	O	|	|	|	|	0.01
124.250	0.00	0.00	0.002	O	|	|	|	|	0.01	129.417	0.00	0.00	0.002	O	|	|	|	|	0.01
124.333	0.00	0.00	0.002	O	|	|	|	|	0.01	129.500	0.00	0.00	0.002	O	|	|	|	|	0.01
124.417	0.00	0.00	0.002	O	|	|	|	|	0.01	129.583	0.00	0.00	0.002	O	|	|	|	|	0.01
124.500	0.00	0.00	0.002	O	|	|	|	|	0.01	129.667	0.00	0.00	0.002	O	|	|	|	|	0.01
124.583	0.00	0.00	0.002	O	|	|	|	|	0.01	129.750	0.00	0.00	0.002	O	|	|	|	|	0.01
124.667	0.00	0.00	0.002	O	|	|	|	|	0.01	129.833	0.00	0.00	0.002	O	|	|	|	|	0.01
124.750	0.00	0.00	0.002	O	|	|	|	|	0.01	129.917	0.00	0.00	0.002	O	|	|	|	|	0.01
124.833	0.00	0.00	0.002	O	|	|	|	|	0.01	130.000	0.00	0.00	0.002	O	|	|	|	|	0.01
124.917	0.00	0.00	0.002	O	|	|	|	|	0.01	130.083	0.00	0.00	0.002	O	|	|	|	|	0.01
125.000	0.00	0.00	0.002	O	|	|	|	|	0.01	130.167	0.00	0.00	0.002	O	|	|	|	|	0.01
125.083	0.00	0.00	0.002	O	|	|	|	|	0.01	130.250	0.00	0.00	0.002	O	|	|	|	|	0.01
125.167	0.00	0.00	0.002	O	|	|	|	|	0.01	130.333	0.00	0.00	0.002	O	|	|	|	|	0.00
125.250	0.00	0.00	0.002	O	|	|	|	|	0.01	130.417	0.00	0.00	0.002	O	|	|	|	|	0.00
125.333	0.00	0.00	0.002	O	|	|	|	|	0.01	130.500	0.00	0.00	0.002	O	|	|	|	|	0.00
125.417	0.00	0.00	0.002	O	|	|	|	|	0.01	130.583	0.00	0.00	0.001	O	|	|	|	|	0.00
125.500	0.00	0.00	0.002	O	|	|	|	|	0.01	130.667	0.00	0.00	0.001	O	|	|	|	|	0.00
125.583	0.00	0.00	0.002	O	|	|	|	|	0.01	130.750	0.00	0.00	0.001	O	|	|	|	|	0.00
125.667	0.00	0.00	0.002	O	|	|	|	|	0.01	130.833	0.00	0.00	0.001	O	|	|	|	|	0.00
125.750	0.00	0.00	0.002	O	|	|	|	|	0.01	130.917	0.00	0.00	0.001	O	|	|	|	|	0.00
125.833	0.00	0.00	0.002	O	|	|	|	|	0.01	131.000	0.00	0.00	0.001	O	|	|	|	|	0.00
125.917	0.00	0.00	0.002	O	|	|	|	|	0.01	131.083	0.00	0.00	0.001	O	|	|	|	|	0.00
126.000	0.00	0.00	0.002	O	|	|	|	|	0.01	131.167	0.00	0.00	0.001	O	|	|	|	|	0.00
126.083	0.00	0.00	0.002	O	|	|	|	|	0.01	131.250	0.00	0.00	0.001	O	|	|	|	|	0.00
126.167	0.00	0.00	0.002	O	|	|	|	|	0.01	131.333	0.00	0.00	0.001	O	|	|	|	|	0.00
126.250	0.00	0.00	0.002	O	|	|	|	|	0.01	131.417	0.00	0.00	0.001	O	|	|	|	|	0.00
126.333	0.00	0.00	0.002	O	|	|	|	|	0.01	131.500	0.00	0.00	0.001	O	|	|	|	|	0.00
126.417	0.00	0.00	0.002	O	|	|	|	|	0.01	131.583	0.00	0.00	0.001	O	|	|	|	|	0.00
126.500	0.00	0.00	0.002	O	|	|	|	|	0.01	131.667	0.00	0.00	0.001	O	|	|	|	|	0.00

131.750	0.00	0.00	0.001	O	|	|	|	|	0.00
131.833	0.00	0.00	0.001	O	|	|	|	|	0.00
131.917	0.00	0.00	0.001	O	|	|	|	|	0.00
132.000	0.00	0.00	0.001	O	|	|	|	|	0.00
132.083	0.00	0.00	0.001	O	|	|	|	|	0.00
132.167	0.00	0.00	0.001	O	|	|	|	|	0.00
132.250	0.00	0.00	0.001	O	|	|	|	|	0.00
132.333	0.00	0.00	0.001	O	|	|	|	|	0.00
132.417	0.00	0.00	0.001	O	|	|	|	|	0.00
132.500	0.00	0.00	0.001	O	|	|	|	|	0.00
132.583	0.00	0.00	0.001	O	|	|	|	|	0.00
132.667	0.00	0.00	0.001	O	|	|	|	|	0.00
132.750	0.00	0.00	0.001	O	|	|	|	|	0.00
132.833	0.00	0.00	0.001	O	|	|	|	|	0.00
132.917	0.00	0.00	0.001	O	|	|	|	|	0.00
133.000	0.00	0.00	0.001	O	|	|	|	|	0.00
133.083	0.00	0.00	0.001	O	|	|	|	|	0.00
133.167	0.00	0.00	0.001	O	|	|	|	|	0.00
133.250	0.00	0.00	0.001	O	|	|	|	|	0.00
133.333	0.00	0.00	0.001	O	|	|	|	|	0.00
133.417	0.00	0.00	0.001	O	|	|	|	|	0.00
133.500	0.00	0.00	0.001	O	|	|	|	|	0.00
133.583	0.00	0.00	0.001	O	|	|	|	|	0.00
133.667	0.00	0.00	0.001	O	|	|	|	|	0.00
133.750	0.00	0.00	0.001	O	|	|	|	|	0.00
133.833	0.00	0.00	0.001	O	|	|	|	|	0.00
133.917	0.00	0.00	0.001	O	|	|	|	|	0.00
134.000	0.00	0.00	0.001	O	|	|	|	|	0.00
134.083	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1609
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 28.600 (CFS)
Total volume = 18.773 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	3.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	5.172	0.000	0.000	0.000	0.000

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Process from Point/Station 5.300 to Point/Station 5.300
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 1 the total
volume of 5.17 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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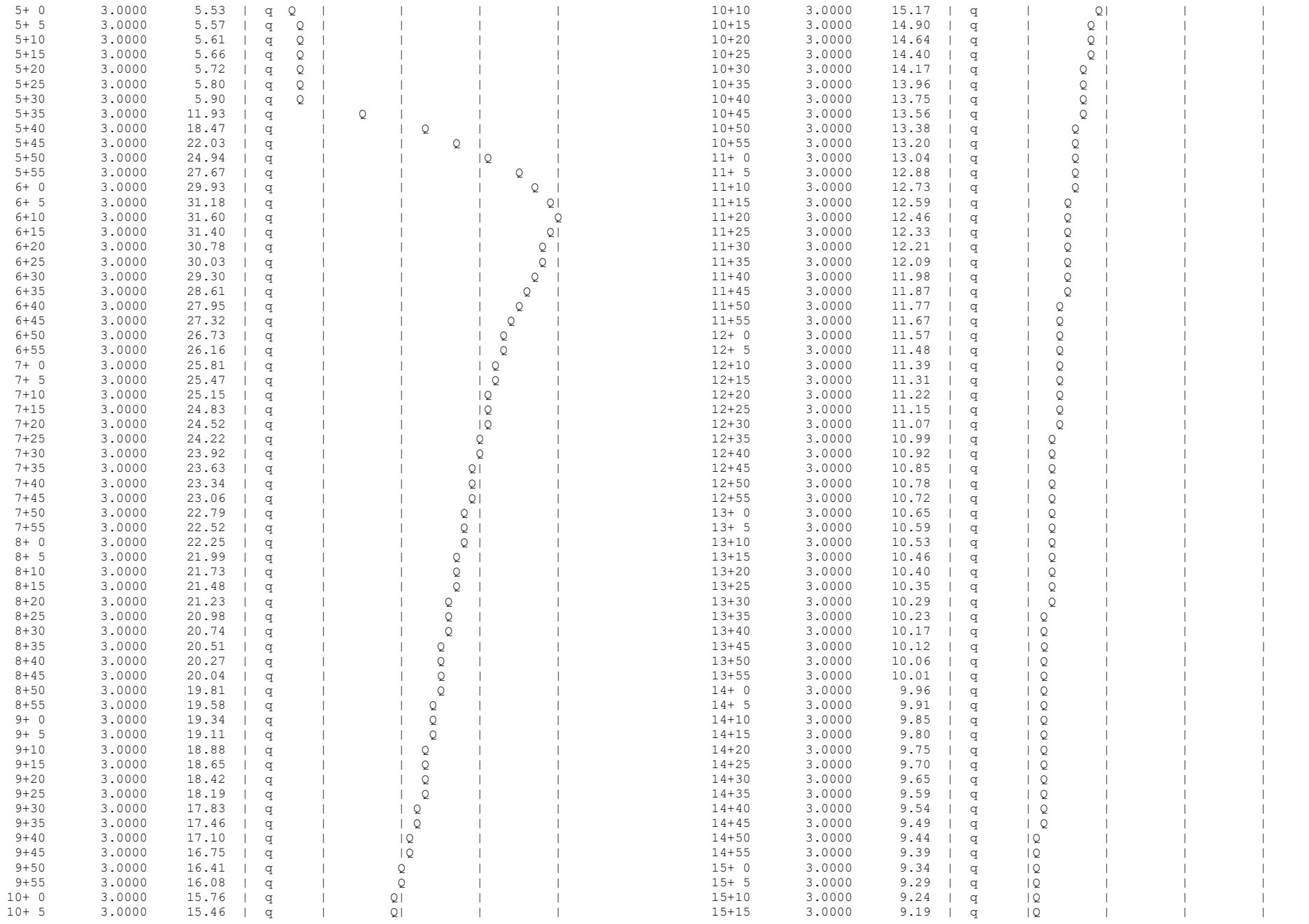
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0 7.9 15.8 23.7 31.6
0+ 5	0.0469	0.05	Q
0+10	0.4190	0.43	Q
0+15	1.3072	1.33	|Q
0+20	2.5121	2.55	| Q
0+25	3.0000	3.05	| Q
0+30	3.0000	3.06	| Q
0+35	3.0000	3.08	| Q
0+40	3.0000	3.10	| Q
0+45	3.0000	3.13	| Q
0+50	3.0000	3.15	| Q
0+55	3.0000	3.18	| qQ
1+ 0	3.0000	3.21	| qQ
1+ 5	3.0000	3.24	| qQ
1+10	3.0000	3.30	| qQ
1+15	3.0000	3.39	| qQ
1+20	3.0000	3.48	| qQ
1+25	3.0000	3.57	| qQ
1+30	3.0000	3.66	| qQ
1+35	3.0000	3.76	| qQ
1+40	3.0000	3.85	| qQ
1+45	3.0000	3.95	| qQ
1+50	3.0000	4.04	| q Q
1+55	3.0000	4.12	| q Q
2+ 0	3.0000	4.16	| q Q
2+ 5	3.0000	4.21	| q Q
2+10	3.0000	4.25	| q Q
2+15	3.0000	4.30	| q Q
2+20	3.0000	4.35	| q Q
2+25	3.0000	4.40	| q Q
2+30	3.0000	4.45	| q Q
2+35	3.0000	4.50	| q Q
2+40	3.0000	4.55	| q Q
2+45	3.0000	4.58	| q Q
2+50	3.0000	4.62	| q Q
2+55	3.0000	4.65	| q Q
3+ 0	3.0000	4.69	| q Q
3+ 5	3.0000	4.72	| q Q
3+10	3.0000	4.76	| q Q
3+15	3.0000	4.79	| q Q
3+20	3.0000	4.83	| q Q
3+25	3.0000	4.87	| q Q
3+30	3.0000	4.91	| q Q
3+35	3.0000	4.94	| q Q
3+40	3.0000	4.97	| q Q
3+45	3.0000	5.00	| q Q
3+50	3.0000	5.03	| q Q
3+55	3.0000	5.06	| q Q
4+ 0	3.0000	5.10	| q Q
4+ 5	3.0000	5.13	| q Q
4+10	3.0000	5.17	| q Q
4+15	3.0000	5.20	| q Q
4+20	3.0000	5.23	| q Q
4+25	3.0000	5.27	| q Q
4+30	3.0000	5.30	| q Q
4+35	3.0000	5.33	| q Q
4+40	3.0000	5.37	| q Q
4+45	3.0000	5.41	| q Q
4+50	3.0000	5.45	| q Q
4+55	3.0000	5.49	| q Q



| | | |

15+20	3.0000	9.14	| q |Q | | |							20+30	2.4394	5.32	| q Q | | | |						
15+25	3.0000	9.08	| q |Q | | |							20+35	2.1921	5.07	| q Q | | | |						
15+30	3.0000	9.03	| q |Q | | |							20+40	1.9699	4.84	| q Q | | | |						
15+35	3.0000	8.98	| q |Q | | |							20+45	1.7702	4.64	| q Q | | | |						
15+40	3.0000	8.93	| q |Q | | |							20+50	1.5908	4.46	| q Q | | | |						
15+45	3.0000	8.88	| q |Q | | |							20+55	1.4295	4.29	|q Q | | | |						
15+50	3.0000	8.82	| q |Q | | |							21+ 0	1.2846	4.14	|q Q | | | |						
15+55	3.0000	8.77	| q |Q | | |							21+ 5	1.1544	4.01	|q Q | | | |						
16+ 0	3.0000	8.71	| q |Q | | |							21+10	1.0374	3.89	|q Q | | | |						
16+ 5	3.0000	8.66	| q Q | | |							21+15	0.9322	3.78	|q Q | | | |						
16+10	3.0000	8.61	| q Q | | |							21+20	0.8377	3.68	|q Q | | | |						
16+15	3.0000	8.55	| q Q | | |							21+25	0.7528	3.59	| q Q | | | |						
16+20	3.0000	8.50	| q Q | | |							21+30	0.6765	3.51	| q Q | | | |						
16+25	3.0000	8.44	| q Q | | |							21+35	0.6079	3.44	| q Q | | | |						
16+30	3.0000	8.39	| q Q | | |							21+40	0.5463	3.38	| q Q | | | |						
16+35	3.0000	8.33	| q Q | | |							21+45	0.4909	3.32	| q Q | | | |						
16+40	3.0000	8.28	| q Q | | |							21+50	0.4411	3.26	| q Q | | | |						
16+45	3.0000	8.22	| q Q | | |							21+55	0.3964	3.22	| q Q | | | |						
16+50	3.0000	8.16	| q Q | | |							22+ 0	0.3562	3.17	| q Q | | | |						
16+55	3.0000	8.10	| q Q | | |							22+ 5	0.3201	3.13	| q Q | | | |						
17+ 0	3.0000	8.04	| q Q | | |							22+10	0.2877	3.10	| q Q | | | |						
17+ 5	3.0000	7.97	| q Q | | |							22+15	0.2585	3.06	| q Q | | | |						
17+10	3.0000	7.91	| q Q | | |							22+20	0.2323	3.03	| q Q | | | |						
17+15	3.0000	7.85	| q Q| | |							22+25	0.2088	3.01	| q Q | | | |						
17+20	3.0000	7.78	| q Q| | |							22+30	0.1876	2.98	| q Q | | | |						
17+25	3.0000	7.72	| q Q| | |							22+35	0.1686	2.96	| q Q | | | |						
17+30	3.0000	7.65	| q Q| | |							22+40	0.1515	2.94	| q Q | | | |						
17+35	3.0000	7.59	| q Q| | |							22+45	0.1361	2.92	| q Q | | | |						
17+40	3.0000	7.52	| q Q| | |							22+50	0.1223	2.90	| q Q | | | |						
17+45	3.0000	7.45	| q Q| | |							22+55	0.1099	2.89	| q Q | | | |						
17+50	3.0000	7.39	| q Q| | |							23+ 0	0.0988	2.87	| q Q | | | |						
17+55	3.0000	7.32	| q Q| | |							23+ 5	0.0888	2.86	| q Q | | | |						
18+ 0	3.0000	7.24	| q Q| | |							23+10	0.0798	2.85	| q Q | | | |						
18+ 5	3.0000	7.17	| q Q| | |							23+15	0.0717	2.83	| q Q | | | |						
18+10	3.0000	7.10	| q Q | | |							23+20	0.0644	2.82	| q Q | | | |						
18+15	3.0000	7.03	| q Q | | |							23+25	0.0579	2.81	| q Q | | | |						
18+20	3.0000	6.95	| q Q | | |							23+30	0.0520	2.80	| q Q | | | |						
18+25	3.0000	6.88	| q Q | | |							23+35	0.0467	2.80	| q Q | | | |						
18+30	3.0000	6.81	| q Q | | |							23+40	0.0420	2.79	| q Q | | | |						
18+35	3.0000	6.73	| q Q | | |							23+45	0.0377	2.78	| q Q | | | |						
18+40	3.0000	6.65	| q Q | | |							23+50	0.0339	2.77	| q Q | | | |						
18+45	3.0000	6.57	| q Q | | |							23+55	0.0305	2.77	| q Q | | | |						
18+50	3.0000	6.49	| q Q | | |							24+ 0	0.0274	2.76	| q Q | | | |						
18+55	3.0000	6.41	| q Q | | |							24+ 5	0.0246	2.75	| q Q | | | |						
19+ 0	3.0000	6.32	| q Q | | |							24+10	0.0221	2.75	| q Q | | | |						
19+ 5	3.0000	6.24	| q Q | | |							24+15	0.0199	2.74	| q Q | | | |						
19+10	3.0000	6.15	| q Q | | |							24+20	0.0179	2.74	| q Q | | | |						
19+15	3.0000	6.06	| q Q | | |							24+25	0.0161	2.73	| q Q | | | |						
19+20	3.0000	5.97	| q Q | | |							24+30	0.0144	2.73	| q Q | | | |						
19+25	3.0000	5.92	| q Q | | |							24+35	0.0130	2.72	| q Q | | | |						
19+30	3.0000	5.92	| q Q | | |							24+40	0.0116	2.71	| q Q | | | |						
19+35	3.0000	5.92	| q Q | | |							24+45	0.0105	2.71	| q Q | | | |						
19+40	3.0000	5.91	| q Q | | |							24+50	0.0094	2.70	| q Q | | | |						
19+45	3.0000	5.91	| q Q | | |							24+55	0.0085	2.70	| q Q | | | |						
19+50	3.0000	5.91	| q Q | | |							25+ 0	0.0076	2.69	| q Q | | | |						
19+55	3.0000	5.91	| q Q | | |							25+ 5	0.0000	2.68	| q Q | | | |						
20+ 0	3.0000	5.90	| q Q | | |							25+10	0.0000	2.68	| q Q | | | |						
20+ 5	3.0000	5.90	| q Q | | |							25+15	0.0000	2.67	| q Q | | | |						
20+10	3.0000	5.90	| q Q | | |							25+20	0.0000	2.67	| q Q | | | |						
20+15	3.0000	5.89	| q Q | | |							25+25	0.0000	2.66	| q Q | | | |						
20+20	3.0000	5.89	| q Q | | |							25+30	0.0000	2.66	| q Q | | | |						
20+25	2.7146	5.60	| q Q | | |							25+35	0.0000	2.65	| q Q | | | |						

25+40	0.0000	2.65	q	Q	|	|	|	|	30+50	0.0000	2.37	q	Q	|	|	|	|
25+45	0.0000	2.64	q	Q	|	|	|	|	30+55	0.0000	2.37	q	Q	|	|	|	|
25+50	0.0000	2.64	q	Q	|	|	|	|	31+ 0	0.0000	2.36	q	Q	|	|	|	|
25+55	0.0000	2.64	q	Q	|	|	|	|	31+ 5	0.0000	2.36	q	Q	|	|	|	|
26+ 0	0.0000	2.63	q	Q	|	|	|	|	31+10	0.0000	2.35	q	Q	|	|	|	|
26+ 5	0.0000	2.63	q	Q	|	|	|	|	31+15	0.0000	2.35	q	Q	|	|	|	|
26+10	0.0000	2.62	q	Q	|	|	|	|	31+20	0.0000	2.34	q	Q	|	|	|	|
26+15	0.0000	2.62	q	Q	|	|	|	|	31+25	0.0000	2.34	q	Q	|	|	|	|
26+20	0.0000	2.61	q	Q	|	|	|	|	31+30	0.0000	2.33	q	Q	|	|	|	|
26+25	0.0000	2.61	q	Q	|	|	|	|	31+35	0.0000	2.33	q	Q	|	|	|	|
26+30	0.0000	2.61	q	Q	|	|	|	|	31+40	0.0000	2.32	q	Q	|	|	|	|
26+35	0.0000	2.60	q	Q	|	|	|	|	31+45	0.0000	2.32	q	Q	|	|	|	|
26+40	0.0000	2.60	q	Q	|	|	|	|	31+50	0.0000	2.31	q	Q	|	|	|	|
26+45	0.0000	2.59	q	Q	|	|	|	|	31+55	0.0000	2.31	q	Q	|	|	|	|
26+50	0.0000	2.59	q	Q	|	|	|	|	32+ 0	0.0000	2.31	q	Q	|	|	|	|
26+55	0.0000	2.58	q	Q	|	|	|	|	32+ 5	0.0000	2.30	q	Q	|	|	|	|
27+ 0	0.0000	2.58	q	Q	|	|	|	|	32+10	0.0000	2.30	q	Q	|	|	|	|
27+ 5	0.0000	2.58	q	Q	|	|	|	|	32+15	0.0000	2.29	q	Q	|	|	|	|
27+10	0.0000	2.57	q	Q	|	|	|	|	32+20	0.0000	2.29	q	Q	|	|	|	|
27+15	0.0000	2.57	q	Q	|	|	|	|	32+25	0.0000	2.28	q	Q	|	|	|	|
27+20	0.0000	2.56	q	Q	|	|	|	|	32+30	0.0000	2.28	q	Q	|	|	|	|
27+25	0.0000	2.56	q	Q	|	|	|	|	32+35	0.0000	2.27	q	Q	|	|	|	|
27+30	0.0000	2.55	q	Q	|	|	|	|	32+40	0.0000	2.27	q	Q	|	|	|	|
27+35	0.0000	2.55	q	Q	|	|	|	|	32+45	0.0000	2.26	q	Q	|	|	|	|
27+40	0.0000	2.55	q	Q	|	|	|	|	32+50	0.0000	2.26	q	Q	|	|	|	|
27+45	0.0000	2.54	q	Q	|	|	|	|	32+55	0.0000	2.25	q	Q	|	|	|	|
27+50	0.0000	2.54	q	Q	|	|	|	|	33+ 0	0.0000	2.25	q	Q	|	|	|	|
27+55	0.0000	2.53	q	Q	|	|	|	|	33+ 5	0.0000	2.24	q	Q	|	|	|	|
28+ 0	0.0000	2.53	q	Q	|	|	|	|	33+10	0.0000	2.24	q	Q	|	|	|	|
28+ 5	0.0000	2.53	q	Q	|	|	|	|	33+15	0.0000	2.23	q	Q	|	|	|	|
28+10	0.0000	2.52	q	Q	|	|	|	|	33+20	0.0000	2.23	q	Q	|	|	|	|
28+15	0.0000	2.52	q	Q	|	|	|	|	33+25	0.0000	2.23	q	Q	|	|	|	|
28+20	0.0000	2.51	q	Q	|	|	|	|	33+30	0.0000	2.22	q	Q	|	|	|	|
28+25	0.0000	2.51	q	Q	|	|	|	|	33+35	0.0000	2.22	q	Q	|	|	|	|
28+30	0.0000	2.50	q	Q	|	|	|	|	33+40	0.0000	2.21	q	Q	|	|	|	|
28+35	0.0000	2.50	q	Q	|	|	|	|	33+45	0.0000	2.21	q	Q	|	|	|	|
28+40	0.0000	2.50	q	Q	|	|	|	|	33+50	0.0000	2.20	q	Q	|	|	|	|
28+45	0.0000	2.49	q	Q	|	|	|	|	33+55	0.0000	2.19	q	Q	|	|	|	|
28+50	0.0000	2.49	q	Q	|	|	|	|	34+ 0	0.0000	2.19	q	Q	|	|	|	|
28+55	0.0000	2.48	q	Q	|	|	|	|	34+ 5	0.0000	2.18	q	Q	|	|	|	|
29+ 0	0.0000	2.48	q	Q	|	|	|	|	34+10	0.0000	2.18	q	Q	|	|	|	|
29+ 5	0.0000	2.48	q	Q	|	|	|	|	34+15	0.0000	2.17	q	Q	|	|	|	|
29+10	0.0000	2.47	q	Q	|	|	|	|	34+20	0.0000	2.16	q	Q	|	|	|	|
29+15	0.0000	2.47	q	Q	|	|	|	|	34+25	0.0000	2.16	q	Q	|	|	|	|
29+20	0.0000	2.46	q	Q	|	|	|	|	34+30	0.0000	2.15	q	Q	|	|	|	|
29+25	0.0000	2.46	q	Q	|	|	|	|	34+35	0.0000	2.15	q	Q	|	|	|	|
29+30	0.0000	2.45	q	Q	|	|	|	|	34+40	0.0000	2.14	q	Q	|	|	|	|
29+35	0.0000	2.45	q	Q	|	|	|	|	34+45	0.0000	2.14	q	Q	|	|	|	|
29+40	0.0000	2.44	q	Q	|	|	|	|	34+50	0.0000	2.13	q	Q	|	|	|	|
29+45	0.0000	2.44	q	Q	|	|	|	|	34+55	0.0000	2.12	q	Q	|	|	|	|
29+50	0.0000	2.43	q	Q	|	|	|	|	35+ 0	0.0000	2.12	q	Q	|	|	|	|
29+55	0.0000	2.43	q	Q	|	|	|	|	35+ 5	0.0000	2.11	q	Q	|	|	|	|
30+ 0	0.0000	2.42	q	Q	|	|	|	|	35+10	0.0000	2.11	q	Q	|	|	|	|
30+ 5	0.0000	2.42	q	Q	|	|	|	|	35+15	0.0000	2.10	q	Q	|	|	|	|
30+10	0.0000	2.41	q	Q	|	|	|	|	35+20	0.0000	2.10	q	Q	|	|	|	|
30+15	0.0000	2.41	q	Q	|	|	|	|	35+25	0.0000	2.09	q	Q	|	|	|	|
30+20	0.0000	2.40	q	Q	|	|	|	|	35+30	0.0000	2.08	q	Q	|	|	|	|
30+25	0.0000	2.40	q	Q	|	|	|	|	35+35	0.0000	2.08	q	Q	|	|	|	|
30+30	0.0000	2.39	q	Q	|	|	|	|	35+40	0.0000	2.07	q	Q	|	|	|	|
30+35	0.0000	2.39	q	Q	|	|	|	|	35+45	0.0000	2.07	q	Q	|	|	|	|
30+40	0.0000	2.38	q	Q	|	|	|	|	35+50	0.0000	2.06	q	Q	|	|	|	|
30+45	0.0000	2.38	q	Q	|	|	|	|	35+55	0.0000	2.06	q	Q	|	|	|	|

36+ 0	0.0000	2.05	q Q	|	|	|	|	41+10	0.0000	1.64	q Q	|	|	|	|
36+ 5	0.0000	2.04	q Q	|	|	|	|	41+15	0.0000	1.64	q Q	|	|	|	|
36+10	0.0000	2.04	q Q	|	|	|	|	41+20	0.0000	1.63	q Q	|	|	|	|
36+15	0.0000	2.03	q Q	|	|	|	|	41+25	0.0000	1.62	q Q	|	|	|	|
36+20	0.0000	2.03	q Q	|	|	|	|	41+30	0.0000	1.62	q Q	|	|	|	|
36+25	0.0000	2.02	q Q	|	|	|	|	41+35	0.0000	1.61	q Q	|	|	|	|
36+30	0.0000	2.02	q Q	|	|	|	|	41+40	0.0000	1.60	q Q	|	|	|	|
36+35	0.0000	2.01	q Q	|	|	|	|	41+45	0.0000	1.60	q Q	|	|	|	|
36+40	0.0000	2.01	q Q	|	|	|	|	41+50	0.0000	1.59	q Q	|	|	|	|
36+45	0.0000	2.00	q Q	|	|	|	|	41+55	0.0000	1.58	q Q	|	|	|	|
36+50	0.0000	2.00	q Q	|	|	|	|	42+ 0	0.0000	1.58	qQ	|	|	|	|
36+55	0.0000	1.99	q Q	|	|	|	|	42+ 5	0.0000	1.57	qQ	|	|	|	|
37+ 0	0.0000	1.98	q Q	|	|	|	|	42+10	0.0000	1.56	qQ	|	|	|	|
37+ 5	0.0000	1.98	q Q	|	|	|	|	42+15	0.0000	1.56	qQ	|	|	|	|
37+10	0.0000	1.97	q Q	|	|	|	|	42+20	0.0000	1.55	qQ	|	|	|	|
37+15	0.0000	1.97	q Q	|	|	|	|	42+25	0.0000	1.54	qQ	|	|	|	|
37+20	0.0000	1.96	q Q	|	|	|	|	42+30	0.0000	1.53	qQ	|	|	|	|
37+25	0.0000	1.96	q Q	|	|	|	|	42+35	0.0000	1.52	qQ	|	|	|	|
37+30	0.0000	1.95	q Q	|	|	|	|	42+40	0.0000	1.51	qQ	|	|	|	|
37+35	0.0000	1.95	q Q	|	|	|	|	42+45	0.0000	1.50	qQ	|	|	|	|
37+40	0.0000	1.94	q Q	|	|	|	|	42+50	0.0000	1.49	qQ	|	|	|	|
37+45	0.0000	1.94	q Q	|	|	|	|	42+55	0.0000	1.48	qQ	|	|	|	|
37+50	0.0000	1.93	q Q	|	|	|	|	43+ 0	0.0000	1.47	qQ	|	|	|	|
37+55	0.0000	1.93	q Q	|	|	|	|	43+ 5	0.0000	1.46	qQ	|	|	|	|
38+ 0	0.0000	1.92	q Q	|	|	|	|	43+10	0.0000	1.45	qQ	|	|	|	|
38+ 5	0.0000	1.91	q Q	|	|	|	|	43+15	0.0000	1.44	qQ	|	|	|	|
38+10	0.0000	1.91	q Q	|	|	|	|	43+20	0.0000	1.43	qQ	|	|	|	|
38+15	0.0000	1.90	q Q	|	|	|	|	43+25	0.0000	1.42	qQ	|	|	|	|
38+20	0.0000	1.89	q Q	|	|	|	|	43+30	0.0000	1.41	qQ	|	|	|	|
38+25	0.0000	1.88	q Q	|	|	|	|	43+35	0.0000	1.40	qQ	|	|	|	|
38+30	0.0000	1.87	q Q	|	|	|	|	43+40	0.0000	1.39	qQ	|	|	|	|
38+35	0.0000	1.87	q Q	|	|	|	|	43+45	0.0000	1.38	qQ	|	|	|	|
38+40	0.0000	1.86	q Q	|	|	|	|	43+50	0.0000	1.37	qQ	|	|	|	|
38+45	0.0000	1.85	q Q	|	|	|	|	43+55	0.0000	1.37	qQ	|	|	|	|
38+50	0.0000	1.84	q Q	|	|	|	|	44+ 0	0.0000	1.36	qQ	|	|	|	|
38+55	0.0000	1.84	q Q	|	|	|	|	44+ 5	0.0000	1.35	qQ	|	|	|	|
39+ 0	0.0000	1.83	q Q	|	|	|	|	44+10	0.0000	1.34	qQ	|	|	|	|
39+ 5	0.0000	1.82	q Q	|	|	|	|	44+15	0.0000	1.33	qQ	|	|	|	|
39+10	0.0000	1.81	q Q	|	|	|	|	44+20	0.0000	1.32	qQ	|	|	|	|
39+15	0.0000	1.81	q Q	|	|	|	|	44+25	0.0000	1.31	qQ	|	|	|	|
39+20	0.0000	1.80	q Q	|	|	|	|	44+30	0.0000	1.30	qQ	|	|	|	|
39+25	0.0000	1.79	q Q	|	|	|	|	44+35	0.0000	1.30	qQ	|	|	|	|
39+30	0.0000	1.78	q Q	|	|	|	|	44+40	0.0000	1.29	qQ	|	|	|	|
39+35	0.0000	1.78	q Q	|	|	|	|	44+45	0.0000	1.28	qQ	|	|	|	|
39+40	0.0000	1.77	q Q	|	|	|	|	44+50	0.0000	1.27	qQ	|	|	|	|
39+45	0.0000	1.76	q Q	|	|	|	|	44+55	0.0000	1.26	qQ	|	|	|	|
39+50	0.0000	1.75	q Q	|	|	|	|	45+ 0	0.0000	1.25	qQ	|	|	|	|
39+55	0.0000	1.75	q Q	|	|	|	|	45+ 5	0.0000	1.25	qQ	|	|	|	|
40+ 0	0.0000	1.74	q Q	|	|	|	|	45+10	0.0000	1.24	qQ	|	|	|	|
40+ 5	0.0000	1.73	q Q	|	|	|	|	45+15	0.0000	1.23	qQ	|	|	|	|
40+10	0.0000	1.73	q Q	|	|	|	|	45+20	0.0000	1.22	qQ	|	|	|	|
40+15	0.0000	1.72	q Q	|	|	|	|	45+25	0.0000	1.21	qQ	|	|	|	|
40+20	0.0000	1.71	q Q	|	|	|	|	45+30	0.0000	1.21	qQ	|	|	|	|
40+25	0.0000	1.70	q Q	|	|	|	|	45+35	0.0000	1.20	qQ	|	|	|	|
40+30	0.0000	1.70	q Q	|	|	|	|	45+40	0.0000	1.19	qQ	|	|	|	|
40+35	0.0000	1.69	q Q	|	|	|	|	45+45	0.0000	1.18	qQ	|	|	|	|
40+40	0.0000	1.68	q Q	|	|	|	|	45+50	0.0000	1.18	qQ	|	|	|	|
40+45	0.0000	1.68	q Q	|	|	|	|	45+55	0.0000	1.17	qQ	|	|	|	|
40+50	0.0000	1.67	q Q	|	|	|	|	46+ 0	0.0000	1.16	qQ	|	|	|	|
40+55	0.0000	1.66	q Q	|	|	|	|	46+ 5	0.0000	1.15	qQ	|	|	|	|
41+ 0	0.0000	1.66	q Q	|	|	|	|	46+10	0.0000	1.14	qQ	|	|	|	|
41+ 5	0.0000	1.65	q Q	|	|	|	|	46+15	0.0000	1.14	qQ	|	|	|	|

46+20	0.0000	1.13	qQ					51+30	0.0000	0.47	Q				
46+25	0.0000	1.12	qQ					51+35	0.0000	0.46	Q				
46+30	0.0000	1.12	qQ					51+40	0.0000	0.46	Q				
46+35	0.0000	1.11	qQ					51+45	0.0000	0.45	Q				
46+40	0.0000	1.10	qQ					51+50	0.0000	0.44	Q				
46+45	0.0000	1.09	qQ					51+55	0.0000	0.44	Q				
46+50	0.0000	1.07	qQ					52+ 0	0.0000	0.43	Q				
46+55	0.0000	1.05	qQ					52+ 5	0.0000	0.42	Q				
47+ 0	0.0000	1.04	qQ					52+10	0.0000	0.42	Q				
47+ 5	0.0000	1.02	qQ					52+15	0.0000	0.41	Q				
47+10	0.0000	1.01	qQ					52+20	0.0000	0.41	Q				
47+15	0.0000	0.99	qQ					52+25	0.0000	0.40	Q				
47+20	0.0000	0.98	qQ					52+30	0.0000	0.39	Q				
47+25	0.0000	0.97	qQ					52+35	0.0000	0.39	Q				
47+30	0.0000	0.95	qQ					52+40	0.0000	0.38	Q				
47+35	0.0000	0.94	qQ					52+45	0.0000	0.38	Q				
47+40	0.0000	0.92	qQ					52+50	0.0000	0.37	Q				
47+45	0.0000	0.91	qQ					52+55	0.0000	0.37	Q				
47+50	0.0000	0.90	qQ					53+ 0	0.0000	0.36	Q				
47+55	0.0000	0.88	qQ					53+ 5	0.0000	0.35	Q				
48+ 0	0.0000	0.87	qQ					53+10	0.0000	0.35	Q				
48+ 5	0.0000	0.86	qQ					53+15	0.0000	0.34	Q				
48+10	0.0000	0.85	qQ					53+20	0.0000	0.34	Q				
48+15	0.0000	0.83	qQ					53+25	0.0000	0.33	Q				
48+20	0.0000	0.82	qQ					53+30	0.0000	0.33	Q				
48+25	0.0000	0.81	qQ					53+35	0.0000	0.32	Q				
48+30	0.0000	0.80	qQ					53+40	0.0000	0.32	Q				
48+35	0.0000	0.79	Q					53+45	0.0000	0.32	Q				
48+40	0.0000	0.77	Q					53+50	0.0000	0.31	Q				
48+45	0.0000	0.76	Q					53+55	0.0000	0.31	Q				
48+50	0.0000	0.75	Q					54+ 0	0.0000	0.30	Q				
48+55	0.0000	0.74	Q					54+ 5	0.0000	0.30	Q				
49+ 0	0.0000	0.73	Q					54+10	0.0000	0.29	Q				
49+ 5	0.0000	0.72	Q					54+15	0.0000	0.29	Q				
49+10	0.0000	0.71	Q					54+20	0.0000	0.28	Q				
49+15	0.0000	0.70	Q					54+25	0.0000	0.28	Q				
49+20	0.0000	0.69	Q					54+30	0.0000	0.28	Q				
49+25	0.0000	0.68	Q					54+35	0.0000	0.27	Q				
49+30	0.0000	0.67	Q					54+40	0.0000	0.27	Q				
49+35	0.0000	0.66	Q					54+45	0.0000	0.26	Q				
49+40	0.0000	0.65	Q					54+50	0.0000	0.26	Q				
49+45	0.0000	0.64	Q					54+55	0.0000	0.26	Q				
49+50	0.0000	0.63	Q					55+ 0	0.0000	0.26	Q				
49+55	0.0000	0.62	Q					55+ 5	0.0000	0.26	Q				
50+ 0	0.0000	0.61	Q					55+10	0.0000	0.25	Q				
50+ 5	0.0000	0.60	Q					55+15	0.0000	0.25	Q				
50+10	0.0000	0.59	Q					55+20	0.0000	0.25	Q				
50+15	0.0000	0.59	Q					55+25	0.0000	0.25	Q				
50+20	0.0000	0.58	Q					55+30	0.0000	0.25	Q				
50+25	0.0000	0.57	Q					55+35	0.0000	0.25	Q				
50+30	0.0000	0.56	Q					55+40	0.0000	0.25	Q				
50+35	0.0000	0.55	Q					55+45	0.0000	0.24	Q				
50+40	0.0000	0.54	Q					55+50	0.0000	0.24	Q				
50+45	0.0000	0.54	Q					55+55	0.0000	0.24	Q				
50+50	0.0000	0.53	Q					56+ 0	0.0000	0.24	Q				
50+55	0.0000	0.52	Q					56+ 5	0.0000	0.24	Q				
51+ 0	0.0000	0.51	Q					56+10	0.0000	0.24	Q				
51+ 5	0.0000	0.51	Q					56+15	0.0000	0.24	Q				
51+10	0.0000	0.50	Q					56+20	0.0000	0.23	Q				
51+15	0.0000	0.49	Q					56+25	0.0000	0.23	Q				
51+20	0.0000	0.48	Q					56+30	0.0000	0.23	Q				
51+25	0.0000	0.48	Q					56+35	0.0000	0.23	Q				

56+40	0.0000	0.23	Q					61+50	0.0000	0.16	Q				
56+45	0.0000	0.23	Q					61+55	0.0000	0.16	Q				
56+50	0.0000	0.23	Q					62+ 0	0.0000	0.16	Q				
56+55	0.0000	0.22	Q					62+ 5	0.0000	0.16	Q				
57+ 0	0.0000	0.22	Q					62+10	0.0000	0.16	Q				
57+ 5	0.0000	0.22	Q					62+15	0.0000	0.15	Q				
57+10	0.0000	0.22	Q					62+20	0.0000	0.15	Q				
57+15	0.0000	0.22	Q					62+25	0.0000	0.15	Q				
57+20	0.0000	0.22	Q					62+30	0.0000	0.15	Q				
57+25	0.0000	0.22	Q					62+35	0.0000	0.15	Q				
57+30	0.0000	0.22	Q					62+40	0.0000	0.15	Q				
57+35	0.0000	0.21	Q					62+45	0.0000	0.15	Q				
57+40	0.0000	0.21	Q					62+50	0.0000	0.15	Q				
57+45	0.0000	0.21	Q					62+55	0.0000	0.15	Q				
57+50	0.0000	0.21	Q					63+ 0	0.0000	0.15	Q				
57+55	0.0000	0.21	Q					63+ 5	0.0000	0.15	Q				
58+ 0	0.0000	0.21	Q					63+10	0.0000	0.14	Q				
58+ 5	0.0000	0.21	Q					63+15	0.0000	0.14	Q				
58+10	0.0000	0.21	Q					63+20	0.0000	0.14	Q				
58+15	0.0000	0.20	Q					63+25	0.0000	0.14	Q				
58+20	0.0000	0.20	Q					63+30	0.0000	0.14	Q				
58+25	0.0000	0.20	Q					63+35	0.0000	0.14	Q				
58+30	0.0000	0.20	Q					63+40	0.0000	0.14	Q				
58+35	0.0000	0.20	Q					63+45	0.0000	0.14	Q				
58+40	0.0000	0.20	Q					63+50	0.0000	0.14	Q				
58+45	0.0000	0.20	Q					63+55	0.0000	0.14	Q				
58+50	0.0000	0.20	Q					64+ 0	0.0000	0.14	Q				
58+55	0.0000	0.20	Q					64+ 5	0.0000	0.14	Q				
59+ 0	0.0000	0.19	Q					64+10	0.0000	0.14	Q				
59+ 5	0.0000	0.19	Q					64+15	0.0000	0.13	Q				
59+10	0.0000	0.19	Q					64+20	0.0000	0.13	Q				
59+15	0.0000	0.19	Q					64+25	0.0000	0.13	Q				
59+20	0.0000	0.19	Q					64+30	0.0000	0.13	Q				
59+25	0.0000	0.19	Q					64+35	0.0000	0.13	Q				
59+30	0.0000	0.19	Q					64+40	0.0000	0.13	Q				
59+35	0.0000	0.19	Q					64+45	0.0000	0.13	Q				
59+40	0.0000	0.19	Q					64+50	0.0000	0.13	Q				
59+45	0.0000	0.18	Q					64+55	0.0000	0.13	Q				
59+50	0.0000	0.18	Q					65+ 0	0.0000	0.13	Q				
59+55	0.0000	0.18	Q					65+ 5	0.0000	0.13	Q				
60+ 0	0.0000	0.18	Q					65+10	0.0000	0.13	Q				
60+ 5	0.0000	0.18	Q					65+15	0.0000	0.13	Q				
60+10	0.0000	0.18	Q					65+20	0.0000	0.12	Q				
60+15	0.0000	0.18	Q					65+25	0.0000	0.12	Q				
60+20	0.0000	0.18	Q					65+30	0.0000	0.12	Q				
60+25	0.0000	0.18	Q					65+35	0.0000	0.12	Q				
60+30	0.0000	0.17	Q					65+40	0.0000	0.12	Q				
60+35	0.0000	0.17	Q					65+45	0.0000	0.12	Q				
60+40	0.0000	0.17	Q					65+50	0.0000	0.12	Q				
60+45	0.0000	0.17	Q					65+55	0.0000	0.12	Q				
60+50	0.0000	0.17	Q					66+ 0	0.0000	0.12	Q				
60+55	0.0000	0.17	Q					66+ 5	0.0000	0.12	Q				
61+ 0	0.0000	0.17	Q					66+10	0.0000	0.12	Q				
61+ 5	0.0000	0.17	Q					66+15	0.0000	0.12	Q				
61+10	0.0000	0.17	Q					66+20	0.0000	0.12	Q				
61+15	0.0000	0.17	Q					66+25	0.0000	0.12	Q				
61+20	0.0000	0.16	Q					66+30	0.0000	0.11	Q				
61+25	0.0000	0.16	Q					66+35	0.0000	0.11	Q				
61+30	0.0000	0.16	Q					66+40	0.0000	0.11	Q				
61+35	0.0000	0.16	Q					66+45	0.0000	0.11	Q				
61+40	0.0000	0.16	Q					66+50	0.0000	0.11	Q				
61+45	0.0000	0.16	Q					66+55	0.0000	0.11	Q				

67+ 0	0.0000	0.11	Q					72+10	0.0000	0.08	Q				
67+ 5	0.0000	0.11	Q					72+15	0.0000	0.08	Q				
67+10	0.0000	0.11	Q					72+20	0.0000	0.08	Q				
67+15	0.0000	0.11	Q					72+25	0.0000	0.08	Q				
67+20	0.0000	0.11	Q					72+30	0.0000	0.08	Q				
67+25	0.0000	0.11	Q					72+35	0.0000	0.07	Q				
67+30	0.0000	0.11	Q					72+40	0.0000	0.07	Q				
67+35	0.0000	0.11	Q					72+45	0.0000	0.07	Q				
67+40	0.0000	0.11	Q					72+50	0.0000	0.07	Q				
67+45	0.0000	0.11	Q					72+55	0.0000	0.07	Q				
67+50	0.0000	0.10	Q					73+ 0	0.0000	0.07	Q				
67+55	0.0000	0.10	Q					73+ 5	0.0000	0.07	Q				
68+ 0	0.0000	0.10	Q					73+10	0.0000	0.07	Q				
68+ 5	0.0000	0.10	Q					73+15	0.0000	0.07	Q				
68+10	0.0000	0.10	Q					73+20	0.0000	0.07	Q				
68+15	0.0000	0.10	Q					73+25	0.0000	0.07	Q				
68+20	0.0000	0.10	Q					73+30	0.0000	0.07	Q				
68+25	0.0000	0.10	Q					73+35	0.0000	0.07	Q				
68+30	0.0000	0.10	Q					73+40	0.0000	0.07	Q				
68+35	0.0000	0.10	Q					73+45	0.0000	0.07	Q				
68+40	0.0000	0.10	Q					73+50	0.0000	0.07	Q				
68+45	0.0000	0.10	Q					73+55	0.0000	0.07	Q				
68+50	0.0000	0.10	Q					74+ 0	0.0000	0.07	Q				
68+55	0.0000	0.10	Q					74+ 5	0.0000	0.07	Q				
69+ 0	0.0000	0.10	Q					74+10	0.0000	0.07	Q				
69+ 5	0.0000	0.10	Q					74+15	0.0000	0.07	Q				
69+10	0.0000	0.10	Q					74+20	0.0000	0.07	Q				
69+15	0.0000	0.09	Q					74+25	0.0000	0.07	Q				
69+20	0.0000	0.09	Q					74+30	0.0000	0.07	Q				
69+25	0.0000	0.09	Q					74+35	0.0000	0.07	Q				
69+30	0.0000	0.09	Q					74+40	0.0000	0.06	Q				
69+35	0.0000	0.09	Q					74+45	0.0000	0.06	Q				
69+40	0.0000	0.09	Q					74+50	0.0000	0.06	Q				
69+45	0.0000	0.09	Q					74+55	0.0000	0.06	Q				
69+50	0.0000	0.09	Q					75+ 0	0.0000	0.06	Q				
69+55	0.0000	0.09	Q					75+ 5	0.0000	0.06	Q				
70+ 0	0.0000	0.09	Q					75+10	0.0000	0.06	Q				
70+ 5	0.0000	0.09	Q					75+15	0.0000	0.06	Q				
70+10	0.0000	0.09	Q					75+20	0.0000	0.06	Q				
70+15	0.0000	0.09	Q					75+25	0.0000	0.06	Q				
70+20	0.0000	0.09	Q					75+30	0.0000	0.06	Q				
70+25	0.0000	0.09	Q					75+35	0.0000	0.06	Q				
70+30	0.0000	0.09	Q					75+40	0.0000	0.06	Q				
70+35	0.0000	0.09	Q					75+45	0.0000	0.06	Q				
70+40	0.0000	0.09	Q					75+50	0.0000	0.06	Q				
70+45	0.0000	0.09	Q					75+55	0.0000	0.06	Q				
70+50	0.0000	0.08	Q					76+ 0	0.0000	0.06	Q				
70+55	0.0000	0.08	Q					76+ 5	0.0000	0.06	Q				
71+ 0	0.0000	0.08	Q					76+10	0.0000	0.06	Q				
71+ 5	0.0000	0.08	Q					76+15	0.0000	0.06	Q				
71+10	0.0000	0.08	Q					76+20	0.0000	0.06	Q				
71+15	0.0000	0.08	Q					76+25	0.0000	0.06	Q				
71+20	0.0000	0.08	Q					76+30	0.0000	0.06	Q				
71+25	0.0000	0.08	Q					76+35	0.0000	0.06	Q				
71+30	0.0000	0.08	Q					76+40	0.0000	0.06	Q				
71+35	0.0000	0.08	Q					76+45	0.0000	0.06	Q				
71+40	0.0000	0.08	Q					76+50	0.0000	0.06	Q				
71+45	0.0000	0.08	Q					76+55	0.0000	0.06	Q				
71+50	0.0000	0.08	Q					77+ 0	0.0000	0.05	Q				
71+55	0.0000	0.08	Q					77+ 5	0.0000	0.05	Q				
72+ 0	0.0000	0.08	Q					77+10	0.0000	0.05	Q				
72+ 5	0.0000	0.08	Q					77+15	0.0000	0.05	Q				

77+20	0.0000	0.05	Q					82+30	0.0000	0.04	Q				
77+25	0.0000	0.05	Q					82+35	0.0000	0.04	Q				
77+30	0.0000	0.05	Q					82+40	0.0000	0.04	Q				
77+35	0.0000	0.05	Q					82+45	0.0000	0.04	Q				
77+40	0.0000	0.05	Q					82+50	0.0000	0.04	Q				
77+45	0.0000	0.05	Q					82+55	0.0000	0.04	Q				
77+50	0.0000	0.05	Q					83+ 0	0.0000	0.04	Q				
77+55	0.0000	0.05	Q					83+ 5	0.0000	0.04	Q				
78+ 0	0.0000	0.05	Q					83+10	0.0000	0.04	Q				
78+ 5	0.0000	0.05	Q					83+15	0.0000	0.04	Q				
78+10	0.0000	0.05	Q					83+20	0.0000	0.04	Q				
78+15	0.0000	0.05	Q					83+25	0.0000	0.03	Q				
78+20	0.0000	0.05	Q					83+30	0.0000	0.03	Q				
78+25	0.0000	0.05	Q					83+35	0.0000	0.03	Q				
78+30	0.0000	0.05	Q					83+40	0.0000	0.03	Q				
78+35	0.0000	0.05	Q					83+45	0.0000	0.03	Q				
78+40	0.0000	0.05	Q					83+50	0.0000	0.03	Q				
78+45	0.0000	0.05	Q					83+55	0.0000	0.03	Q				
78+50	0.0000	0.05	Q					84+ 0	0.0000	0.03	Q				
78+55	0.0000	0.05	Q					84+ 5	0.0000	0.03	Q				
79+ 0	0.0000	0.05	Q					84+10	0.0000	0.03	Q				
79+ 5	0.0000	0.05	Q					84+15	0.0000	0.03	Q				
79+10	0.0000	0.05	Q					84+20	0.0000	0.03	Q				
79+15	0.0000	0.05	Q					84+25	0.0000	0.03	Q				
79+20	0.0000	0.05	Q					84+30	0.0000	0.03	Q				
79+25	0.0000	0.05	Q					84+35	0.0000	0.03	Q				
79+30	0.0000	0.05	Q					84+40	0.0000	0.03	Q				
79+35	0.0000	0.05	Q					84+45	0.0000	0.03	Q				
79+40	0.0000	0.05	Q					84+50	0.0000	0.03	Q				
79+45	0.0000	0.05	Q					84+55	0.0000	0.03	Q				
79+50	0.0000	0.04	Q					85+ 0	0.0000	0.03	Q				
79+55	0.0000	0.04	Q					85+ 5	0.0000	0.03	Q				
80+ 0	0.0000	0.04	Q					85+10	0.0000	0.03	Q				
80+ 5	0.0000	0.04	Q					85+15	0.0000	0.03	Q				
80+10	0.0000	0.04	Q					85+20	0.0000	0.03	Q				
80+15	0.0000	0.04	Q					85+25	0.0000	0.03	Q				
80+20	0.0000	0.04	Q					85+30	0.0000	0.03	Q				
80+25	0.0000	0.04	Q					85+35	0.0000	0.03	Q				
80+30	0.0000	0.04	Q					85+40	0.0000	0.03	Q				
80+35	0.0000	0.04	Q					85+45	0.0000	0.03	Q				
80+40	0.0000	0.04	Q					85+50	0.0000	0.03	Q				
80+45	0.0000	0.04	Q					85+55	0.0000	0.03	Q				
80+50	0.0000	0.04	Q					86+ 0	0.0000	0.03	Q				
80+55	0.0000	0.04	Q					86+ 5	0.0000	0.03	Q				
81+ 0	0.0000	0.04	Q					86+10	0.0000	0.03	Q				
81+ 5	0.0000	0.04	Q					86+15	0.0000	0.03	Q				
81+10	0.0000	0.04	Q					86+20	0.0000	0.03	Q				
81+15	0.0000	0.04	Q					86+25	0.0000	0.03	Q				
81+20	0.0000	0.04	Q					86+30	0.0000	0.03	Q				
81+25	0.0000	0.04	Q					86+35	0.0000	0.03	Q				
81+30	0.0000	0.04	Q					86+40	0.0000	0.03	Q				
81+35	0.0000	0.04	Q					86+45	0.0000	0.03	Q				
81+40	0.0000	0.04	Q					86+50	0.0000	0.03	Q				
81+45	0.0000	0.04	Q					86+55	0.0000	0.03	Q				
81+50	0.0000	0.04	Q					87+ 0	0.0000	0.03	Q				
81+55	0.0000	0.04	Q					87+ 5	0.0000	0.03	Q				
82+ 0	0.0000	0.04	Q					87+10	0.0000	0.03	Q				
82+ 5	0.0000	0.04	Q					87+15	0.0000	0.03	Q				
82+10	0.0000	0.04	Q					87+20	0.0000	0.03	Q				
82+15	0.0000	0.04	Q					87+25	0.0000	0.03	Q				
82+20	0.0000	0.04	Q					87+30	0.0000	0.03	Q				
82+25	0.0000	0.04	Q					87+35	0.0000	0.03	Q				

87+40	0.0000	0.03	Q					92+50	0.0000	0.02	Q				
87+45	0.0000	0.03	Q					92+55	0.0000	0.02	Q				
87+50	0.0000	0.03	Q					93+ 0	0.0000	0.02	Q				
87+55	0.0000	0.03	Q					93+ 5	0.0000	0.02	Q				
88+ 0	0.0000	0.03	Q					93+10	0.0000	0.02	Q				
88+ 5	0.0000	0.03	Q					93+15	0.0000	0.02	Q				
88+10	0.0000	0.03	Q					93+20	0.0000	0.02	Q				
88+15	0.0000	0.02	Q					93+25	0.0000	0.02	Q				
88+20	0.0000	0.02	Q					93+30	0.0000	0.02	Q				
88+25	0.0000	0.02	Q					93+35	0.0000	0.02	Q				
88+30	0.0000	0.02	Q					93+40	0.0000	0.02	Q				
88+35	0.0000	0.02	Q					93+45	0.0000	0.02	Q				
88+40	0.0000	0.02	Q					93+50	0.0000	0.02	Q				
88+45	0.0000	0.02	Q					93+55	0.0000	0.02	Q				
88+50	0.0000	0.02	Q					94+ 0	0.0000	0.02	Q				
88+55	0.0000	0.02	Q					94+ 5	0.0000	0.02	Q				
89+ 0	0.0000	0.02	Q					94+10	0.0000	0.02	Q				
89+ 5	0.0000	0.02	Q					94+15	0.0000	0.02	Q				
89+10	0.0000	0.02	Q					94+20	0.0000	0.02	Q				
89+15	0.0000	0.02	Q					94+25	0.0000	0.02	Q				
89+20	0.0000	0.02	Q					94+30	0.0000	0.02	Q				
89+25	0.0000	0.02	Q					94+35	0.0000	0.02	Q				
89+30	0.0000	0.02	Q					94+40	0.0000	0.02	Q				
89+35	0.0000	0.02	Q					94+45	0.0000	0.02	Q				
89+40	0.0000	0.02	Q					94+50	0.0000	0.02	Q				
89+45	0.0000	0.02	Q					94+55	0.0000	0.02	Q				
89+50	0.0000	0.02	Q					95+ 0	0.0000	0.02	Q				
89+55	0.0000	0.02	Q					95+ 5	0.0000	0.02	Q				
90+ 0	0.0000	0.02	Q					95+10	0.0000	0.02	Q				
90+ 5	0.0000	0.02	Q					95+15	0.0000	0.02	Q				
90+10	0.0000	0.02	Q					95+20	0.0000	0.02	Q				
90+15	0.0000	0.02	Q					95+25	0.0000	0.02	Q				
90+20	0.0000	0.02	Q					95+30	0.0000	0.01	Q				
90+25	0.0000	0.02	Q					95+35	0.0000	0.01	Q				
90+30	0.0000	0.02	Q					95+40	0.0000	0.01	Q				
90+35	0.0000	0.02	Q					95+45	0.0000	0.01	Q				
90+40	0.0000	0.02	Q					95+50	0.0000	0.01	Q				
90+45	0.0000	0.02	Q					95+55	0.0000	0.01	Q				
90+50	0.0000	0.02	Q					96+ 0	0.0000	0.01	Q				
90+55	0.0000	0.02	Q					96+ 5	0.0000	0.01	Q				
91+ 0	0.0000	0.02	Q					96+10	0.0000	0.01	Q				
91+ 5	0.0000	0.02	Q					96+15	0.0000	0.01	Q				
91+10	0.0000	0.02	Q					96+20	0.0000	0.01	Q				
91+15	0.0000	0.02	Q					96+25	0.0000	0.01	Q				
91+20	0.0000	0.02	Q					96+30	0.0000	0.01	Q				
91+25	0.0000	0.02	Q					96+35	0.0000	0.01	Q				
91+30	0.0000	0.02	Q					96+40	0.0000	0.01	Q				
91+35	0.0000	0.02	Q					96+45	0.0000	0.01	Q				
91+40	0.0000	0.02	Q					96+50	0.0000	0.01	Q				
91+45	0.0000	0.02	Q					96+55	0.0000	0.01	Q				
91+50	0.0000	0.02	Q					97+ 0	0.0000	0.01	Q				
91+55	0.0000	0.02	Q					97+ 5	0.0000	0.01	Q				
92+ 0	0.0000	0.02	Q					97+10	0.0000	0.01	Q				
92+ 5	0.0000	0.02	Q					97+15	0.0000	0.01	Q				
92+10	0.0000	0.02	Q					97+20	0.0000	0.01	Q				
92+15	0.0000	0.02	Q					97+25	0.0000	0.01	Q				
92+20	0.0000	0.02	Q					97+30	0.0000	0.01	Q				
92+25	0.0000	0.02	Q					97+35	0.0000	0.01	Q				
92+30	0.0000	0.02	Q					97+40	0.0000	0.01	Q				
92+35	0.0000	0.02	Q					97+45	0.0000	0.01	Q				
92+40	0.0000	0.02	Q					97+50	0.0000	0.01	Q				
92+45	0.0000	0.02	Q					97+55	0.0000	0.01	Q				

98+ 0	0.0000	0.01	Q	|	|	|	|	103+10	0.0000	0.01	Q	|	|	|	|
98+ 5	0.0000	0.01	Q	|	|	|	|	103+15	0.0000	0.01	Q	|	|	|	|
98+10	0.0000	0.01	Q	|	|	|	|	103+20	0.0000	0.01	Q	|	|	|	|
98+15	0.0000	0.01	Q	|	|	|	|	103+25	0.0000	0.01	Q	|	|	|	|
98+20	0.0000	0.01	Q	|	|	|	|	103+30	0.0000	0.01	Q	|	|	|	|
98+25	0.0000	0.01	Q	|	|	|	|	103+35	0.0000	0.01	Q	|	|	|	|
98+30	0.0000	0.01	Q	|	|	|	|	103+40	0.0000	0.01	Q	|	|	|	|
98+35	0.0000	0.01	Q	|	|	|	|	103+45	0.0000	0.01	Q	|	|	|	|
98+40	0.0000	0.01	Q	|	|	|	|	103+50	0.0000	0.01	Q	|	|	|	|
98+45	0.0000	0.01	Q	|	|	|	|	103+55	0.0000	0.01	Q	|	|	|	|
98+50	0.0000	0.01	Q	|	|	|	|	104+ 0	0.0000	0.01	Q	|	|	|	|
98+55	0.0000	0.01	Q	|	|	|	|	104+ 5	0.0000	0.01	Q	|	|	|	|
99+ 0	0.0000	0.01	Q	|	|	|	|	104+10	0.0000	0.01	Q	|	|	|	|
99+ 5	0.0000	0.01	Q	|	|	|	|	104+15	0.0000	0.01	Q	|	|	|	|
99+10	0.0000	0.01	Q	|	|	|	|	104+20	0.0000	0.01	Q	|	|	|	|
99+15	0.0000	0.01	Q	|	|	|	|	104+25	0.0000	0.01	Q	|	|	|	|
99+20	0.0000	0.01	Q	|	|	|	|	104+30	0.0000	0.01	Q	|	|	|	|
99+25	0.0000	0.01	Q	|	|	|	|	104+35	0.0000	0.01	Q	|	|	|	|
99+30	0.0000	0.01	Q	|	|	|	|	104+40	0.0000	0.01	Q	|	|	|	|
99+35	0.0000	0.01	Q	|	|	|	|	104+45	0.0000	0.01	Q	|	|	|	|
99+40	0.0000	0.01	Q	|	|	|	|	104+50	0.0000	0.01	Q	|	|	|	|
99+45	0.0000	0.01	Q	|	|	|	|	104+55	0.0000	0.01	Q	|	|	|	|
99+50	0.0000	0.01	Q	|	|	|	|	105+ 0	0.0000	0.01	Q	|	|	|	|
99+55	0.0000	0.01	Q	|	|	|	|	105+ 5	0.0000	0.01	Q	|	|	|	|
100+ 0	0.0000	0.01	Q	|	|	|	|	105+10	0.0000	0.01	Q	|	|	|	|
100+ 5	0.0000	0.01	Q	|	|	|	|	105+15	0.0000	0.01	Q	|	|	|	|
100+10	0.0000	0.01	Q	|	|	|	|	105+20	0.0000	0.01	Q	|	|	|	|
100+15	0.0000	0.01	Q	|	|	|	|	105+25	0.0000	0.01	Q	|	|	|	|
100+20	0.0000	0.01	Q	|	|	|	|	105+30	0.0000	0.01	Q	|	|	|	|
100+25	0.0000	0.01	Q	|	|	|	|	105+35	0.0000	0.01	Q	|	|	|	|
100+30	0.0000	0.01	Q	|	|	|	|	105+40	0.0000	0.01	Q	|	|	|	|
100+35	0.0000	0.01	Q	|	|	|	|	105+45	0.0000	0.01	Q	|	|	|	|
100+40	0.0000	0.01	Q	|	|	|	|	105+50	0.0000	0.01	Q	|	|	|	|
100+45	0.0000	0.01	Q	|	|	|	|	105+55	0.0000	0.01	Q	|	|	|	|
100+50	0.0000	0.01	Q	|	|	|	|	106+ 0	0.0000	0.01	Q	|	|	|	|
100+55	0.0000	0.01	Q	|	|	|	|	106+ 5	0.0000	0.01	Q	|	|	|	|
101+ 0	0.0000	0.01	Q	|	|	|	|	106+10	0.0000	0.01	Q	|	|	|	|
101+ 5	0.0000	0.01	Q	|	|	|	|	106+15	0.0000	0.01	Q	|	|	|	|
101+10	0.0000	0.01	Q	|	|	|	|	106+20	0.0000	0.01	Q	|	|	|	|
101+15	0.0000	0.01	Q	|	|	|	|	106+25	0.0000	0.01	Q	|	|	|	|
101+20	0.0000	0.01	Q	|	|	|	|	106+30	0.0000	0.01	Q	|	|	|	|
101+25	0.0000	0.01	Q	|	|	|	|	106+35	0.0000	0.01	Q	|	|	|	|
101+30	0.0000	0.01	Q	|	|	|	|	106+40	0.0000	0.01	Q	|	|	|	|
101+35	0.0000	0.01	Q	|	|	|	|	106+45	0.0000	0.01	Q	|	|	|	|
101+40	0.0000	0.01	Q	|	|	|	|	106+50	0.0000	0.01	Q	|	|	|	|
101+45	0.0000	0.01	Q	|	|	|	|	106+55	0.0000	0.01	Q	|	|	|	|
101+50	0.0000	0.01	Q	|	|	|	|	107+ 0	0.0000	0.01	Q	|	|	|	|
101+55	0.0000	0.01	Q	|	|	|	|	107+ 5	0.0000	0.01	Q	|	|	|	|
102+ 0	0.0000	0.01	Q	|	|	|	|	107+10	0.0000	0.01	Q	|	|	|	|
102+ 5	0.0000	0.01	Q	|	|	|	|	107+15	0.0000	0.01	Q	|	|	|	|
102+10	0.0000	0.01	Q	|	|	|	|	107+20	0.0000	0.01	Q	|	|	|	|
102+15	0.0000	0.01	Q	|	|	|	|	107+25	0.0000	0.01	Q	|	|	|	|
102+20	0.0000	0.01	Q	|	|	|	|	107+30	0.0000	0.01	Q	|	|	|	|
102+25	0.0000	0.01	Q	|	|	|	|	107+35	0.0000	0.01	Q	|	|	|	|
102+30	0.0000	0.01	Q	|	|	|	|	107+40	0.0000	0.01	Q	|	|	|	|
102+35	0.0000	0.01	Q	|	|	|	|	107+45	0.0000	0.01	Q	|	|	|	|
102+40	0.0000	0.01	Q	|	|	|	|	107+50	0.0000	0.01	Q	|	|	|	|
102+45	0.0000	0.01	Q	|	|	|	|	107+55	0.0000	0.01	Q	|	|	|	|
102+50	0.0000	0.01	Q	|	|	|	|	108+ 0	0.0000	0.01	Q	|	|	|	|
102+55	0.0000	0.01	Q	|	|	|	|	108+ 5	0.0000	0.01	Q	|	|	|	|
103+ 0	0.0000	0.01	Q	|	|	|	|	108+10	0.0000	0.01	Q	|	|	|	|
103+ 5	0.0000	0.01	Q	|	|	|	|	108+15	0.0000	0.01	Q	|	|	|	|

108+20	0.0000	0.01	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.01	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.01	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.01	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.01	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.01	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.01	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.01	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.01	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.01	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.01	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.01	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.01	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.01	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.01	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.01	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.01	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.01	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.01	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.01	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.01	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.01	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.01	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.01	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.01	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.01	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.01	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.01	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.01	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.01	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.01	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.01	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.01	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.01	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				

118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q				

129+ 0	0.0000	0.00	Q	|	|	|	|
129+ 5	0.0000	0.00	Q	|	|	|	|
129+10	0.0000	0.00	Q	|	|	|	|
129+15	0.0000	0.00	Q	|	|	|	|
129+20	0.0000	0.00	Q	|	|	|	|
129+25	0.0000	0.00	Q	|	|	|	|
129+30	0.0000	0.00	Q	|	|	|	|
129+35	0.0000	0.00	Q	|	|	|	|
129+40	0.0000	0.00	Q	|	|	|	|
129+45	0.0000	0.00	Q	|	|	|	|
129+50	0.0000	0.00	Q	|	|	|	|
129+55	0.0000	0.00	Q	|	|	|	|
130+ 0	0.0000	0.00	Q	|	|	|	|
130+ 5	0.0000	0.00	Q	|	|	|	|
130+10	0.0000	0.00	Q	|	|	|	|
130+15	0.0000	0.00	Q	|	|	|	|
130+20	0.0000	0.00	Q	|	|	|	|
130+25	0.0000	0.00	Q	|	|	|	|
130+30	0.0000	0.00	Q	|	|	|	|
130+35	0.0000	0.00	Q	|	|	|	|
130+40	0.0000	0.00	Q	|	|	|	|
130+45	0.0000	0.00	Q	|	|	|	|
130+50	0.0000	0.00	Q	|	|	|	|
130+55	0.0000	0.00	Q	|	|	|	|
131+ 0	0.0000	0.00	Q	|	|	|	|
131+ 5	0.0000	0.00	Q	|	|	|	|
131+10	0.0000	0.00	Q	|	|	|	|
131+15	0.0000	0.00	Q	|	|	|	|
131+20	0.0000	0.00	Q	|	|	|	|
131+25	0.0000	0.00	Q	|	|	|	|
131+30	0.0000	0.00	Q	|	|	|	|
131+35	0.0000	0.00	Q	|	|	|	|
131+40	0.0000	0.00	Q	|	|	|	|
131+45	0.0000	0.00	Q	|	|	|	|
131+50	0.0000	0.00	Q	|	|	|	|
131+55	0.0000	0.00	Q	|	|	|	|
132+ 0	0.0000	0.00	Q	|	|	|	|
132+ 5	0.0000	0.00	Q	|	|	|	|
132+10	0.0000	0.00	Q	|	|	|	|
132+15	0.0000	0.00	Q	|	|	|	|
132+20	0.0000	0.00	Q	|	|	|	|
132+25	0.0000	0.00	Q	|	|	|	|
132+30	0.0000	0.00	Q	|	|	|	|
132+35	0.0000	0.00	Q	|	|	|	|
132+40	0.0000	0.00	Q	|	|	|	|
132+45	0.0000	0.00	Q	|	|	|	|
132+50	0.0000	0.00	Q	|	|	|	|
132+55	0.0000	0.00	Q	|	|	|	|
133+ 0	0.0000	0.00	Q	|	|	|	|
133+ 5	0.0000	0.00	Q	|	|	|	|
133+10	0.0000	0.00	Q	|	|	|	|
133+15	0.0000	0.00	Q	|	|	|	|
133+20	0.0000	0.00	Q	|	|	|	|
133+25	0.0000	0.00	Q	|	|	|	|
133+30	0.0000	0.00	Q	|	|	|	|
133+35	0.0000	0.00	Q	|	|	|	|
133+40	0.0000	0.00	Q	|	|	|	|
133+45	0.0000	0.00	Q	|	|	|	|
133+50	0.0000	0.00	Q	|	|	|	|
133+55	0.0000	0.00	Q	|	|	|	|
134+ 0	0.0000	0.00	Q	|	|	|	|
134+ 5	0.0000	0.00	Q	|	|	|	|

```
------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  1609
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       31.600 (CFS)
                        Total volume =      23.945 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.300 to Point/Station        5.700
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ________________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 2 with
        a starting time of   0.00 hours and ending time of  25.00 hours
        With a total volume of      19.67(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =     0
                        Time interval =    0.0 (Min.)
                        Maximum/Peak flow rate =        0.000 (CFS)
                        Total volume =       0.000 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000    31.600     0.000     0.000     0.000
                Vol (Ac.Ft)     0.000    19.671     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.600 to Point/Station        5.700
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP5A1006100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
  Time(h+m) Add q(CFS)  Tot. Q   0       64.9     129.9     194.8     259.7
  ------------------------------------------------------------------------
    0+ 5       0.1138      0.11  Q         |         |         |         |
    0+10       0.4368      0.44  Q         |         |         |         |
    0+15       0.9311      0.93  Q         |         |         |         |
    0+20       1.6227      1.62  Q         |         |         |         |
    0+25       2.6600      2.66  Q         |         |         |         |
    0+30       4.5427      4.54  Q         |         |         |         |
    0+35       6.8375      6.84  |Q        |         |         |         |
    0+40       8.1820      8.18  |Q        |         |         |         |
    0+45       9.1088      9.11  |Q        |         |         |         |
```

0+50	9.8998	9.90	Q
0+55	10.7431	10.74	Q
1+ 0	11.5700	11.57	Q
1+ 5	12.1695	12.17	Q
1+10	12.6944	12.69	Q
1+15	13.1830	13.18	Q
1+20	13.6875	13.69	Q
1+25	14.2989	14.30	Q
1+30	14.9189	14.92	Q
1+35	15.3046	15.30	Q
1+40	15.6124	15.61	Q
1+45	15.8602	15.86	Q
1+50	16.0738	16.07	Q
1+55	16.2570	16.26	Q
2+ 0	16.4322	16.43	Q
2+ 5	16.5906	16.59	Q
2+10	16.7314	16.73	Q
2+15	16.9061	16.91	Q
2+20	17.1271	17.13	Q
2+25	17.4622	17.46	Q
2+30	17.7450	17.74	Q
2+35	17.9210	17.92	Q
2+40	18.2875	18.29	Q
2+45	18.4888	18.49	Q
2+50	18.6927	18.69	Q
2+55	18.8930	18.89	Q
3+ 0	19.1146	19.11	Q
3+ 5	19.3784	19.38	Q
3+10	19.8383	19.84	Q
3+15	20.4264	20.43	Q
3+20	20.8683	20.87	Q
3+25	21.4463	21.45	Q
3+30	22.4278	22.43	Q
3+35	24.1756	24.18	Q
3+40	26.4803	26.48	Q
3+45	28.9659	28.97	Q
3+50	32.6778	32.68	Q
3+55	37.7758	37.78	Q
4+ 0	43.1344	43.13	Q
4+ 5	47.9854	47.99	Q
4+10	52.6312	52.63	Q
4+15	57.7275	57.73	Q
4+20	62.8561	62.86	Q
4+25	68.6398	68.64	Q
4+30	74.6297	74.63	Q
4+35	81.8202	81.82	Q
4+40	89.4035	89.40	Q
4+45	97.2210	97.22	Q
4+50	104.9015	104.90	Q
4+55	111.9304	111.93	Q
5+ 0	118.8202	118.82	Q
5+ 5	127.1171	127.12	Q
5+10	136.6364	136.64	Q
5+15	147.1302	147.13	Q
5+20	159.3220	159.32	Q
5+25	175.5171	175.52	Q
5+30	198.2981	198.30	Q
5+35	223.8015	223.80	Q
5+40	242.3323	242.33	Q
5+45	253.7792	253.78	Q
5+50	259.7422	259.74	Q
5+55	255.7694	255.77	Q
6+ 0	217.1872	217.19	Q
6+ 5	152.7531	152.75	Q
6+10	117.9489	117.95	Q
6+15	97.3963	97.40	Q
6+20	82.6720	82.67	Q
6+25	70.2403	70.24	Q
6+30	59.9528	59.95	Q
6+35	51.2281	51.23	Q
6+40	44.1679	44.17	Q
6+45	38.0826	38.08	Q
6+50	32.6801	32.68	Q
6+55	27.9786	27.98	Q
7+ 0	23.8312	23.83	Q
7+ 5	20.0321	20.03	Q
7+10	16.6030	16.60	Q
7+15	13.7995	13.80	Q
7+20	11.3153	11.32	Q
7+25	9.0232	9.02	Q
7+30	7.1697	7.17	Q
7+35	5.8653	5.87	Q
7+40	5.2252	5.23	Q
7+45	4.6877	4.69	Q
7+50	4.1928	4.19	Q
7+55	3.7800	3.78	Q
8+ 0	3.3577	3.36	Q
8+ 5	3.0070	3.01	Q
8+10	2.8075	2.81	Q
8+15	2.6332	2.63	Q
8+20	2.3972	2.40	Q
8+25	2.0345	2.03	Q
8+30	1.5925	1.59	Q
8+35	1.1989	1.20	Q
8+40	0.9477	0.95	Q
8+45	0.6964	0.70	Q
8+50	0.4696	0.47	Q
8+55	0.3176	0.32	Q
9+ 0	0.1647	0.16	Q
9+ 5	0.0458	0.05	Q
9+10	0.0181	0.02	Q
9+15	0.0106	0.01	Q
9+20	0.0058	0.01	Q
9+25	0.0027	0.00	Q
9+30	0.0009	0.00	Q

**********HYDROGRAPH DATA**********

Number of intervals = 114
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 259.742 (CFS)
Total volume = 34.864 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	31.600	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	19.671	0.000	0.000	0.000

****

Process from Point/Station 5.700 to Point/Station 5.700
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 2 the total
volume of 19.67 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

++

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	71.2	142.3	213.5	284.7
0+ 5	0.0491	0.16	Q				
0+10	0.4286	0.87	Q				
0+15	1.3281	2.26	Q				
0+20	2.5451	4.17	Q				
0+25	3.0460	5.71	Q				
0+30	3.0616	7.60	qQ				
0+35	3.0810	9.92	qQ				
0+40	3.1034	11.29	qQ				
0+45	3.1278	12.24	qQ				
0+50	3.1539	13.05	qQ				
0+55	3.1816	13.92	qQ				
1+ 0	3.2113	14.78	q Q				
1+ 5	3.2434	15.41	q Q				
1+10	3.3033	16.00	q Q				
1+15	3.3910	16.57	q Q				
1+20	3.4804	17.17	q Q				
1+25	3.5714	17.87	q Q				
1+30	3.6635	18.58	q Q				
1+35	3.7567	19.06	q Q				
1+40	3.8511	19.46	q Q				
1+45	3.9465	19.81	q Q				
1+50	4.0428	20.12	q Q				
1+55	4.1176	20.37	q Q				
2+ 0	4.1615	20.59	q Q				
2+ 5	4.2067	20.80	q Q				
2+10	4.2525	20.98	q Q				
2+15	4.2996	21.21	q Q				
2+20	4.3479	21.48	q Q				
2+25	4.3967	21.86	q Q				
2+30	4.4460	22.19	q Q				
2+35	4.4956	22.42	q Q				
2+40	4.5455	22.83	q Q				
2+45	4.5831	23.07	q Q				
2+50	4.6166	23.31	q Q				
2+55	4.6510	23.54	q Q				
3+ 0	4.6857	23.80	q Q				
3+ 5	4.7207	24.10	q Q				
3+10	4.7564	24.59	q Q				
3+15	4.7933	25.22	q Q				
3+20	4.8310	25.70	q Q				
3+25	4.8695	26.32	q Q				
3+30	4.9098	27.34	q Q				
3+35	4.9413	29.12	q Q				
3+40	4.9707	31.45	q Q				
3+45	5.0010	33.97	q Q				
3+50	5.0323	37.71	q Q				
3+55	5.0645	42.84	q Q				
4+ 0	5.0977	48.23	q Q				
4+ 5	5.1318	53.12	q Q				
4+10	5.1672	57.80	q Q				
4+15	5.2041	62.93	q Q				
4+20	5.2347	68.09	q Q				
4+25	5.2657	73.91	q Q				
4+30	5.2990	79.93	q Q				
4+35	5.3345	87.15	q Q				
4+40	5.3723	94.78	q Q				
4+45	5.4125	102.63	q Q				
4+50	5.4547	110.36	q Q				
4+55	5.4927	117.42	q Q				
5+ 0	5.5292	124.35	q Q				
5+ 5	5.5680	132.69	q Q				
5+10	5.6106	142.25	q Q				
5+15	5.6576	152.79	q Q				
5+20	5.7183	165.04	q Q				
5+25	5.7951	181.31	q Q				
5+30	5.9048	204.20	q Q				
5+35	11.9312	235.73	q Q				
5+40	18.4734	260.81	q Q				
5+45	22.0262	275.81	q Q				
5+50	24.9418	284.68	q Q				
5+55	27.6703	283.44	q Q				
6+ 0	29.9340	247.12	q Q				
6+ 5	31.1772	183.93	q Q				
6+10	31.5999	149.55	q Q				
6+15	31.3970	128.79	q Q				
6+20	30.7838	113.46	q Q				
6+25	30.0305	100.27	q Q				
6+30	29.3004	89.25	q Q				
6+35	28.6070	79.84	q Q				
6+40	27.9480	72.12	q Q				
6+45	27.3215	65.40	q Q				
6+50	26.7254	59.41	q Q				
6+55	26.1580	54.14	q Q				
7+ 0	25.8082	49.64	q Q				
7+ 5	25.4737	45.51	q Q				
7+10	25.1476	41.75	q Q				
7+15	24.8294	38.63	q Q				
7+20	24.5189	35.83	q Q				
7+25	24.2159	33.24	qQ				
7+30	23.9197	31.09	qQ				
7+35	23.6293	29.49	qQ				
7+40	23.3441	28.57	qQ				
7+45	23.0638	27.75	Q				
7+50	22.7884	26.98	Q				
7+55	22.5176	26.30	Q				
8+ 0	22.2513	25.61	Q				
8+ 5	21.9896	25.00	Q				
8+10	21.7321	24.54	Q				
8+15	21.4789	24.11	Q				
8+20	21.2297	23.63	qQ				
8+25	20.9846	23.02	qQ				
8+30	20.7434	22.34	qQ				
8+35	20.5059	21.70	qQ				
8+40	20.2719	21.22	Q				
8+45	20.0395	20.74	Q				
8+50	19.8073	20.28	Q				
8+55	19.5751	19.89	Q				
9+ 0	19.3431	19.51	Q				
9+ 5	19.1115	19.16	Q				
9+10	18.8804	18.90	Q				
9+15	18.6500	18.66	Q				

9+20	18.4202	18.43	| Q	|	|	|	|	14+30	9.6465	9.65	|Q	|	|	|	|
9+25	18.1913	18.19	| Q	|	|	|	|	14+35	9.5948	9.59	|Q	|	|	|	|
9+30	17.8309	17.83	| Q	|	|	|	|	14+40	9.5433	9.54	|Q	|	|	|	|
9+35	17.4596	17.46	| Q	|	|	|	|	14+45	9.4918	9.49	|Q	|	|	|	|
9+40	17.0994	17.10	| Q	|	|	|	|	14+50	9.4405	9.44	|Q	|	|	|	|
9+45	16.7499	16.75	| Q	|	|	|	|	14+55	9.3894	9.39	|Q	|	|	|	|
9+50	16.4105	16.41	| Q	|	|	|	|	15+ 0	9.3383	9.34	|Q	|	|	|	|
9+55	16.0809	16.08	| Q	|	|	|	|	15+ 5	9.2875	9.29	|Q	|	|	|	|
10+ 0	15.7620	15.76	| Q	|	|	|	|	15+10	9.2368	9.24	|Q	|	|	|	|
10+ 5	15.4579	15.46	| Q	|	|	|	|	15+15	9.1863	9.19	|Q	|	|	|	|
10+10	15.1706	15.17	| Q	|	|	|	|	15+20	9.1357	9.14	|Q	|	|	|	|
10+15	14.8995	14.90	| Q	|	|	|	|	15+25	9.0847	9.08	|Q	|	|	|	|
10+20	14.6436	14.64	| Q	|	|	|	|	15+30	9.0331	9.03	|Q	|	|	|	|
10+25	14.4018	14.40	| Q	|	|	|	|	15+35	8.9810	8.98	|Q	|	|	|	|
10+30	14.1733	14.17	|Q	|	|	|	|	15+40	8.9284	8.93	|Q	|	|	|	|
10+35	13.9572	13.96	|Q	|	|	|	|	15+45	8.8755	8.88	|Q	|	|	|	|
10+40	13.7528	13.75	|Q	|	|	|	|	15+50	8.8222	8.82	|Q	|	|	|	|
10+45	13.5592	13.56	|Q	|	|	|	|	15+55	8.7687	8.77	|Q	|	|	|	|
10+50	13.3758	13.38	|Q	|	|	|	|	16+ 0	8.7149	8.71	|Q	|	|	|	|
10+55	13.2020	13.20	|Q	|	|	|	|	16+ 5	8.6609	8.66	|Q	|	|	|	|
11+ 0	13.0372	13.04	|Q	|	|	|	|	16+10	8.6068	8.61	|Q	|	|	|	|
11+ 5	12.8807	12.88	|Q	|	|	|	|	16+15	8.5525	8.55	|Q	|	|	|	|
11+10	12.7320	12.73	|Q	|	|	|	|	16+20	8.4981	8.50	|Q	|	|	|	|
11+15	12.5907	12.59	|Q	|	|	|	|	16+25	8.4437	8.44	|Q	|	|	|	|
11+20	12.4563	12.46	|Q	|	|	|	|	16+30	8.3889	8.39	|Q	|	|	|	|
11+25	12.3282	12.33	|Q	|	|	|	|	16+35	8.3331	8.33	|Q	|	|	|	|
11+30	12.2059	12.21	|Q	|	|	|	|	16+40	8.2759	8.28	|Q	|	|	|	|
11+35	12.0889	12.09	|Q	|	|	|	|	16+45	8.2174	8.22	|Q	|	|	|	|
11+40	11.9768	11.98	|Q	|	|	|	|	16+50	8.1577	8.16	|Q	|	|	|	|
11+45	11.8693	11.87	|Q	|	|	|	|	16+55	8.0970	8.10	|Q	|	|	|	|
11+50	11.7661	11.77	|Q	|	|	|	|	17+ 0	8.0355	8.04	|Q	|	|	|	|
11+55	11.6671	11.67	|Q	|	|	|	|	17+ 5	7.9731	7.97	|Q	|	|	|	|
12+ 0	11.5718	11.57	|Q	|	|	|	|	17+10	7.9100	7.91	|Q	|	|	|	|
12+ 5	11.4801	11.48	|Q	|	|	|	|	17+15	7.8463	7.85	|Q	|	|	|	|
12+10	11.3918	11.39	|Q	|	|	|	|	17+20	7.7821	7.78	|Q	|	|	|	|
12+15	11.3066	11.31	|Q	|	|	|	|	17+25	7.7174	7.72	|Q	|	|	|	|
12+20	11.2245	11.22	|Q	|	|	|	|	17+30	7.6524	7.65	|Q	|	|	|	|
12+25	11.1450	11.15	|Q	|	|	|	|	17+35	7.5871	7.59	|Q	|	|	|	|
12+30	11.0682	11.07	|Q	|	|	|	|	17+40	7.5211	7.52	|Q	|	|	|	|
12+35	10.9939	10.99	|Q	|	|	|	|	17+45	7.4538	7.45	|Q	|	|	|	|
12+40	10.9218	10.92	|Q	|	|	|	|	17+50	7.3851	7.39	|Q	|	|	|	|
12+45	10.8519	10.85	|Q	|	|	|	|	17+55	7.3153	7.32	|Q	|	|	|	|
12+50	10.7838	10.78	|Q	|	|	|	|	18+ 0	7.2445	7.24	|Q	|	|	|	|
12+55	10.7172	10.72	|Q	|	|	|	|	18+ 5	7.1727	7.17	|Q	|	|	|	|
13+ 0	10.6521	10.65	|Q	|	|	|	|	18+10	7.1003	7.10	Q	|	|	|	|
13+ 5	10.5884	10.59	|Q	|	|	|	|	18+15	7.0271	7.03	Q	|	|	|	|
13+10	10.5259	10.53	|Q	|	|	|	|	18+20	6.9535	6.95	Q	|	|	|	|
13+15	10.4646	10.46	|Q	|	|	|	|	18+25	6.8795	6.88	Q	|	|	|	|
13+20	10.4045	10.40	|Q	|	|	|	|	18+30	6.8051	6.81	Q	|	|	|	|
13+25	10.3455	10.35	|Q	|	|	|	|	18+35	6.7296	6.73	Q	|	|	|	|
13+30	10.2875	10.29	|Q	|	|	|	|	18+40	6.6520	6.65	Q	|	|	|	|
13+35	10.2305	10.23	|Q	|	|	|	|	18+45	6.5721	6.57	Q	|	|	|	|
13+40	10.1745	10.17	|Q	|	|	|	|	18+50	6.4903	6.49	Q	|	|	|	|
13+45	10.1193	10.12	|Q	|	|	|	|	18+55	6.4069	6.41	Q	|	|	|	|
13+50	10.0649	10.06	|Q	|	|	|	|	19+ 0	6.3220	6.32	Q	|	|	|	|
13+55	10.0113	10.01	|Q	|	|	|	|	19+ 5	6.2359	6.24	Q	|	|	|	|
14+ 0	9.9585	9.96	|Q	|	|	|	|	19+10	6.1489	6.15	Q	|	|	|	|
14+ 5	9.9063	9.91	|Q	|	|	|	|	19+15	6.0611	6.06	Q	|	|	|	|
14+10	9.8542	9.85	|Q	|	|	|	|	19+20	5.9726	5.97	Q	|	|	|	|
14+15	9.8021	9.80	|Q	|	|	|	|	19+25	5.9193	5.92	Q	|	|	|	|
14+20	9.7502	9.75	|Q	|	|	|	|	19+30	5.9174	5.92	Q	|	|	|	|
14+25	9.6983	9.70	|Q	|	|	|	|	19+35	5.9153	5.92	Q	|	|	|	|

19+40	5.9131	5.91	Q					24+50	2.7026	2.70	Q				
19+45	5.9107	5.91	Q					24+55	2.6972	2.70	Q				
19+50	5.9081	5.91	Q					25+ 0	2.6920	2.69	Q				
19+55	5.9053	5.91	Q					25+ 5	0.0000	0.00	Q				
20+ 0	5.9023	5.90	Q					25+10	0.0000	0.00	Q				
20+ 5	5.8992	5.90	Q					25+15	0.0000	0.00	Q				
20+10	5.8960	5.90	Q					25+20	0.0000	0.00	Q				
20+15	5.8926	5.89	Q					25+25	0.0000	0.00	Q				
20+20	5.8890	5.89	Q					25+30	0.0000	0.00	Q				
20+25	5.5999	5.60	Q					25+35	0.0000	0.00	Q				
20+30	5.3211	5.32	Q					25+40	0.0000	0.00	Q				
20+35	5.0701	5.07	Q					25+45	0.0000	0.00	Q				
20+40	4.8442	4.84	Q					25+50	0.0000	0.00	Q				
20+45	4.6409	4.64	Q					25+55	0.0000	0.00	Q				
20+50	4.4578	4.46	Q					26+ 0	0.0000	0.00	Q				
20+55	4.2929	4.29	Q					26+ 5	0.0000	0.00	Q				
21+ 0	4.1443	4.14	Q					26+10	0.0000	0.00	Q				
21+ 5	4.0105	4.01	Q					26+15	0.0000	0.00	Q				
21+10	3.8898	3.89	Q					26+20	0.0000	0.00	Q				
21+15	3.7810	3.78	Q					26+25	0.0000	0.00	Q				
21+20	3.6829	3.68	Q					26+30	0.0000	0.00	Q				
21+25	3.5944	3.59	Q					26+35	0.0000	0.00	Q				
21+30	3.5144	3.51	Q					26+40	0.0000	0.00	Q				
21+35	3.4422	3.44	Q					26+45	0.0000	0.00	Q				
21+40	3.3770	3.38	Q					26+50	0.0000	0.00	Q				
21+45	3.3180	3.32	Q					26+55	0.0000	0.00	Q				
21+50	3.2647	3.26	Q					27+ 0	0.0000	0.00	Q				
21+55	3.2164	3.22	Q					27+ 5	0.0000	0.00	Q				
22+ 0	3.1726	3.17	Q					27+10	0.0000	0.00	Q				
22+ 5	3.1329	3.13	Q					27+15	0.0000	0.00	Q				
22+10	3.0969	3.10	Q					27+20	0.0000	0.00	Q				
22+15	3.0641	3.06	Q					27+25	0.0000	0.00	Q				
22+20	3.0344	3.03	Q					27+30	0.0000	0.00	Q				
22+25	3.0072	3.01	Q					27+35	0.0000	0.00	Q				
22+30	2.9825	2.98	Q					27+40	0.0000	0.00	Q				
22+35	2.9599	2.96	Q					27+45	0.0000	0.00	Q				
22+40	2.9393	2.94	Q					27+50	0.0000	0.00	Q				
22+45	2.9204	2.92	Q					27+55	0.0000	0.00	Q				
22+50	2.9031	2.90	Q					28+ 0	0.0000	0.00	Q				
22+55	2.8871	2.89	Q					28+ 5	0.0000	0.00	Q				
23+ 0	2.8724	2.87	Q					28+10	0.0000	0.00	Q				
23+ 5	2.8589	2.86	Q					28+15	0.0000	0.00	Q				
23+10	2.8464	2.85	Q					28+20	0.0000	0.00	Q				
23+15	2.8348	2.83	Q					28+25	0.0000	0.00	Q				
23+20	2.8240	2.82	Q					28+30	0.0000	0.00	Q				
23+25	2.8139	2.81	Q					28+35	0.0000	0.00	Q				
23+30	2.8046	2.80	Q					28+40	0.0000	0.00	Q				
23+35	2.7958	2.80	Q					28+45	0.0000	0.00	Q				
23+40	2.7876	2.79	Q					28+50	0.0000	0.00	Q				
23+45	2.7798	2.78	Q					28+55	0.0000	0.00	Q				
23+50	2.7725	2.77	Q					29+ 0	0.0000	0.00	Q				
23+55	2.7656	2.77	Q					29+ 5	0.0000	0.00	Q				
24+ 0	2.7590	2.76	Q					29+10	0.0000	0.00	Q				
24+ 5	2.7527	2.75	Q					29+15	0.0000	0.00	Q				
24+10	2.7468	2.75	Q					29+20	0.0000	0.00	Q				
24+15	2.7411	2.74	Q					29+25	0.0000	0.00	Q				
24+20	2.7356	2.74	Q					29+30	0.0000	0.00	Q				
24+25	2.7303	2.73	Q					29+35	0.0000	0.00	Q				
24+30	2.7252	2.73	Q					29+40	0.0000	0.00	Q				
24+35	2.7196	2.72	Q					29+45	0.0000	0.00	Q				
24+40	2.7138	2.71	Q					29+50	0.0000	0.00	Q				
24+45	2.7081	2.71	Q					29+55	0.0000	0.00	Q				

30+ 0	0.0000	0.00	Q					35+10	0.0000	0.00	Q				
30+ 5	0.0000	0.00	Q					35+15	0.0000	0.00	Q				
30+10	0.0000	0.00	Q					35+20	0.0000	0.00	Q				
30+15	0.0000	0.00	Q					35+25	0.0000	0.00	Q				
30+20	0.0000	0.00	Q					35+30	0.0000	0.00	Q				
30+25	0.0000	0.00	Q					35+35	0.0000	0.00	Q				
30+30	0.0000	0.00	Q					35+40	0.0000	0.00	Q				
30+35	0.0000	0.00	Q					35+45	0.0000	0.00	Q				
30+40	0.0000	0.00	Q					35+50	0.0000	0.00	Q				
30+45	0.0000	0.00	Q					35+55	0.0000	0.00	Q				
30+50	0.0000	0.00	Q					36+ 0	0.0000	0.00	Q				
30+55	0.0000	0.00	Q					36+ 5	0.0000	0.00	Q				
31+ 0	0.0000	0.00	Q					36+10	0.0000	0.00	Q				
31+ 5	0.0000	0.00	Q					36+15	0.0000	0.00	Q				
31+10	0.0000	0.00	Q					36+20	0.0000	0.00	Q				
31+15	0.0000	0.00	Q					36+25	0.0000	0.00	Q				
31+20	0.0000	0.00	Q					36+30	0.0000	0.00	Q				
31+25	0.0000	0.00	Q					36+35	0.0000	0.00	Q				
31+30	0.0000	0.00	Q					36+40	0.0000	0.00	Q				
31+35	0.0000	0.00	Q					36+45	0.0000	0.00	Q				
31+40	0.0000	0.00	Q					36+50	0.0000	0.00	Q				
31+45	0.0000	0.00	Q					36+55	0.0000	0.00	Q				
31+50	0.0000	0.00	Q					37+ 0	0.0000	0.00	Q				
31+55	0.0000	0.00	Q					37+ 5	0.0000	0.00	Q				
32+ 0	0.0000	0.00	Q					37+10	0.0000	0.00	Q				
32+ 5	0.0000	0.00	Q					37+15	0.0000	0.00	Q				
32+10	0.0000	0.00	Q					37+20	0.0000	0.00	Q				
32+15	0.0000	0.00	Q					37+25	0.0000	0.00	Q				
32+20	0.0000	0.00	Q					37+30	0.0000	0.00	Q				
32+25	0.0000	0.00	Q					37+35	0.0000	0.00	Q				
32+30	0.0000	0.00	Q					37+40	0.0000	0.00	Q				
32+35	0.0000	0.00	Q					37+45	0.0000	0.00	Q				
32+40	0.0000	0.00	Q					37+50	0.0000	0.00	Q				
32+45	0.0000	0.00	Q					37+55	0.0000	0.00	Q				
32+50	0.0000	0.00	Q					38+ 0	0.0000	0.00	Q				
32+55	0.0000	0.00	Q					38+ 5	0.0000	0.00	Q				
33+ 0	0.0000	0.00	Q					38+10	0.0000	0.00	Q				
33+ 5	0.0000	0.00	Q					38+15	0.0000	0.00	Q				
33+10	0.0000	0.00	Q					38+20	0.0000	0.00	Q				
33+15	0.0000	0.00	Q					38+25	0.0000	0.00	Q				
33+20	0.0000	0.00	Q					38+30	0.0000	0.00	Q				
33+25	0.0000	0.00	Q					38+35	0.0000	0.00	Q				
33+30	0.0000	0.00	Q					38+40	0.0000	0.00	Q				
33+35	0.0000	0.00	Q					38+45	0.0000	0.00	Q				
33+40	0.0000	0.00	Q					38+50	0.0000	0.00	Q				
33+45	0.0000	0.00	Q					38+55	0.0000	0.00	Q				
33+50	0.0000	0.00	Q					39+ 0	0.0000	0.00	Q				
33+55	0.0000	0.00	Q					39+ 5	0.0000	0.00	Q				
34+ 0	0.0000	0.00	Q					39+10	0.0000	0.00	Q				
34+ 5	0.0000	0.00	Q					39+15	0.0000	0.00	Q				
34+10	0.0000	0.00	Q					39+20	0.0000	0.00	Q				
34+15	0.0000	0.00	Q					39+25	0.0000	0.00	Q				
34+20	0.0000	0.00	Q					39+30	0.0000	0.00	Q				
34+25	0.0000	0.00	Q					39+35	0.0000	0.00	Q				
34+30	0.0000	0.00	Q					39+40	0.0000	0.00	Q				
34+35	0.0000	0.00	Q					39+45	0.0000	0.00	Q				
34+40	0.0000	0.00	Q					39+50	0.0000	0.00	Q				
34+45	0.0000	0.00	Q					39+55	0.0000	0.00	Q				
34+50	0.0000	0.00	Q					40+ 0	0.0000	0.00	Q				
34+55	0.0000	0.00	Q					40+ 5	0.0000	0.00	Q				
35+ 0	0.0000	0.00	Q					40+10	0.0000	0.00	Q				
35+ 5	0.0000	0.00	Q					40+15	0.0000	0.00	Q				

40+20	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+20	0.0000	0.00	Q				
41+15	0.0000	0.00	Q					46+25	0.0000	0.00	Q				
41+20	0.0000	0.00	Q					46+30	0.0000	0.00	Q				
41+25	0.0000	0.00	Q					46+35	0.0000	0.00	Q				
41+30	0.0000	0.00	Q					46+40	0.0000	0.00	Q				
41+35	0.0000	0.00	Q					46+45	0.0000	0.00	Q				
41+40	0.0000	0.00	Q					46+50	0.0000	0.00	Q				
41+45	0.0000	0.00	Q					46+55	0.0000	0.00	Q				
41+50	0.0000	0.00	Q					47+ 0	0.0000	0.00	Q				
41+55	0.0000	0.00	Q					47+ 5	0.0000	0.00	Q				
42+ 0	0.0000	0.00	Q					47+10	0.0000	0.00	Q				
42+ 5	0.0000	0.00	Q					47+15	0.0000	0.00	Q				
42+10	0.0000	0.00	Q					47+20	0.0000	0.00	Q				
42+15	0.0000	0.00	Q					47+25	0.0000	0.00	Q				
42+20	0.0000	0.00	Q					47+30	0.0000	0.00	Q				
42+25	0.0000	0.00	Q					47+35	0.0000	0.00	Q				
42+30	0.0000	0.00	Q					47+40	0.0000	0.00	Q				
42+35	0.0000	0.00	Q					47+45	0.0000	0.00	Q				
42+40	0.0000	0.00	Q					47+50	0.0000	0.00	Q				
42+45	0.0000	0.00	Q					47+55	0.0000	0.00	Q				
42+50	0.0000	0.00	Q					48+ 0	0.0000	0.00	Q				
42+55	0.0000	0.00	Q					48+ 5	0.0000	0.00	Q				
43+ 0	0.0000	0.00	Q					48+10	0.0000	0.00	Q				
43+ 5	0.0000	0.00	Q					48+15	0.0000	0.00	Q				
43+10	0.0000	0.00	Q					48+20	0.0000	0.00	Q				
43+15	0.0000	0.00	Q					48+25	0.0000	0.00	Q				
43+20	0.0000	0.00	Q					48+30	0.0000	0.00	Q				
43+25	0.0000	0.00	Q					48+35	0.0000	0.00	Q				
43+30	0.0000	0.00	Q					48+40	0.0000	0.00	Q				
43+35	0.0000	0.00	Q					48+45	0.0000	0.00	Q				
43+40	0.0000	0.00	Q					48+50	0.0000	0.00	Q				
43+45	0.0000	0.00	Q					48+55	0.0000	0.00	Q				
43+50	0.0000	0.00	Q					49+ 0	0.0000	0.00	Q				
43+55	0.0000	0.00	Q					49+ 5	0.0000	0.00	Q				
44+ 0	0.0000	0.00	Q					49+10	0.0000	0.00	Q				
44+ 5	0.0000	0.00	Q					49+15	0.0000	0.00	Q				
44+10	0.0000	0.00	Q					49+20	0.0000	0.00	Q				
44+15	0.0000	0.00	Q					49+25	0.0000	0.00	Q				
44+20	0.0000	0.00	Q					49+30	0.0000	0.00	Q				
44+25	0.0000	0.00	Q					49+35	0.0000	0.00	Q				
44+30	0.0000	0.00	Q					49+40	0.0000	0.00	Q				
44+35	0.0000	0.00	Q					49+45	0.0000	0.00	Q				
44+40	0.0000	0.00	Q					49+50	0.0000	0.00	Q				
44+45	0.0000	0.00	Q					49+55	0.0000	0.00	Q				
44+50	0.0000	0.00	Q					50+ 0	0.0000	0.00	Q				
44+55	0.0000	0.00	Q					50+ 5	0.0000	0.00	Q				
45+ 0	0.0000	0.00	Q					50+10	0.0000	0.00	Q				
45+ 5	0.0000	0.00	Q					50+15	0.0000	0.00	Q				
45+10	0.0000	0.00	Q					50+20	0.0000	0.00	Q				
45+15	0.0000	0.00	Q					50+25	0.0000	0.00	Q				
45+20	0.0000	0.00	Q					50+30	0.0000	0.00	Q				
45+25	0.0000	0.00	Q					50+35	0.0000	0.00	Q				

50+40	0.0000	0.00	Q					55+50	0.0000	0.00	Q				
50+45	0.0000	0.00	Q					55+55	0.0000	0.00	Q				
50+50	0.0000	0.00	Q					56+ 0	0.0000	0.00	Q				
50+55	0.0000	0.00	Q					56+ 5	0.0000	0.00	Q				
51+ 0	0.0000	0.00	Q					56+10	0.0000	0.00	Q				
51+ 5	0.0000	0.00	Q					56+15	0.0000	0.00	Q				
51+10	0.0000	0.00	Q					56+20	0.0000	0.00	Q				
51+15	0.0000	0.00	Q					56+25	0.0000	0.00	Q				
51+20	0.0000	0.00	Q					56+30	0.0000	0.00	Q				
51+25	0.0000	0.00	Q					56+35	0.0000	0.00	Q				
51+30	0.0000	0.00	Q					56+40	0.0000	0.00	Q				
51+35	0.0000	0.00	Q					56+45	0.0000	0.00	Q				
51+40	0.0000	0.00	Q					56+50	0.0000	0.00	Q				
51+45	0.0000	0.00	Q					56+55	0.0000	0.00	Q				
51+50	0.0000	0.00	Q					57+ 0	0.0000	0.00	Q				
51+55	0.0000	0.00	Q					57+ 5	0.0000	0.00	Q				
52+ 0	0.0000	0.00	Q					57+10	0.0000	0.00	Q				
52+ 5	0.0000	0.00	Q					57+15	0.0000	0.00	Q				
52+10	0.0000	0.00	Q					57+20	0.0000	0.00	Q				
52+15	0.0000	0.00	Q					57+25	0.0000	0.00	Q				
52+20	0.0000	0.00	Q					57+30	0.0000	0.00	Q				
52+25	0.0000	0.00	Q					57+35	0.0000	0.00	Q				
52+30	0.0000	0.00	Q					57+40	0.0000	0.00	Q				
52+35	0.0000	0.00	Q					57+45	0.0000	0.00	Q				
52+40	0.0000	0.00	Q					57+50	0.0000	0.00	Q				
52+45	0.0000	0.00	Q					57+55	0.0000	0.00	Q				
52+50	0.0000	0.00	Q					58+ 0	0.0000	0.00	Q				
52+55	0.0000	0.00	Q					58+ 5	0.0000	0.00	Q				
53+ 0	0.0000	0.00	Q					58+10	0.0000	0.00	Q				
53+ 5	0.0000	0.00	Q					58+15	0.0000	0.00	Q				
53+10	0.0000	0.00	Q					58+20	0.0000	0.00	Q				
53+15	0.0000	0.00	Q					58+25	0.0000	0.00	Q				
53+20	0.0000	0.00	Q					58+30	0.0000	0.00	Q				
53+25	0.0000	0.00	Q					58+35	0.0000	0.00	Q				
53+30	0.0000	0.00	Q					58+40	0.0000	0.00	Q				
53+35	0.0000	0.00	Q					58+45	0.0000	0.00	Q				
53+40	0.0000	0.00	Q					58+50	0.0000	0.00	Q				
53+45	0.0000	0.00	Q					58+55	0.0000	0.00	Q				
53+50	0.0000	0.00	Q					59+ 0	0.0000	0.00	Q				
53+55	0.0000	0.00	Q					59+ 5	0.0000	0.00	Q				
54+ 0	0.0000	0.00	Q					59+10	0.0000	0.00	Q				
54+ 5	0.0000	0.00	Q					59+15	0.0000	0.00	Q				
54+10	0.0000	0.00	Q					59+20	0.0000	0.00	Q				
54+15	0.0000	0.00	Q					59+25	0.0000	0.00	Q				
54+20	0.0000	0.00	Q					59+30	0.0000	0.00	Q				
54+25	0.0000	0.00	Q					59+35	0.0000	0.00	Q				
54+30	0.0000	0.00	Q					59+40	0.0000	0.00	Q				
54+35	0.0000	0.00	Q					59+45	0.0000	0.00	Q				
54+40	0.0000	0.00	Q					59+50	0.0000	0.00	Q				
54+45	0.0000	0.00	Q					59+55	0.0000	0.00	Q				
54+50	0.0000	0.00	Q					60+ 0	0.0000	0.00	Q				
54+55	0.0000	0.00	Q					60+ 5	0.0000	0.00	Q				
55+ 0	0.0000	0.00	Q					60+10	0.0000	0.00	Q				
55+ 5	0.0000	0.00	Q					60+15	0.0000	0.00	Q				
55+10	0.0000	0.00	Q					60+20	0.0000	0.00	Q				
55+15	0.0000	0.00	Q					60+25	0.0000	0.00	Q				
55+20	0.0000	0.00	Q					60+30	0.0000	0.00	Q				
55+25	0.0000	0.00	Q					60+35	0.0000	0.00	Q				
55+30	0.0000	0.00	Q					60+40	0.0000	0.00	Q				
55+35	0.0000	0.00	Q					60+45	0.0000	0.00	Q				
55+40	0.0000	0.00	Q					60+50	0.0000	0.00	Q				
55+45	0.0000	0.00	Q					60+55	0.0000	0.00	Q				

61+ 0	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				
61+55	0.0000	0.00	Q					67+ 5	0.0000	0.00	Q				
62+ 0	0.0000	0.00	Q					67+10	0.0000	0.00	Q				
62+ 5	0.0000	0.00	Q					67+15	0.0000	0.00	Q				
62+10	0.0000	0.00	Q					67+20	0.0000	0.00	Q				
62+15	0.0000	0.00	Q					67+25	0.0000	0.00	Q				
62+20	0.0000	0.00	Q					67+30	0.0000	0.00	Q				
62+25	0.0000	0.00	Q					67+35	0.0000	0.00	Q				
62+30	0.0000	0.00	Q					67+40	0.0000	0.00	Q				
62+35	0.0000	0.00	Q					67+45	0.0000	0.00	Q				
62+40	0.0000	0.00	Q					67+50	0.0000	0.00	Q				
62+45	0.0000	0.00	Q					67+55	0.0000	0.00	Q				
62+50	0.0000	0.00	Q					68+ 0	0.0000	0.00	Q				
62+55	0.0000	0.00	Q					68+ 5	0.0000	0.00	Q				
63+ 0	0.0000	0.00	Q					68+10	0.0000	0.00	Q				
63+ 5	0.0000	0.00	Q					68+15	0.0000	0.00	Q				
63+10	0.0000	0.00	Q					68+20	0.0000	0.00	Q				
63+15	0.0000	0.00	Q					68+25	0.0000	0.00	Q				
63+20	0.0000	0.00	Q					68+30	0.0000	0.00	Q				
63+25	0.0000	0.00	Q					68+35	0.0000	0.00	Q				
63+30	0.0000	0.00	Q					68+40	0.0000	0.00	Q				
63+35	0.0000	0.00	Q					68+45	0.0000	0.00	Q				
63+40	0.0000	0.00	Q					68+50	0.0000	0.00	Q				
63+45	0.0000	0.00	Q					68+55	0.0000	0.00	Q				
63+50	0.0000	0.00	Q					69+ 0	0.0000	0.00	Q				
63+55	0.0000	0.00	Q					69+ 5	0.0000	0.00	Q				
64+ 0	0.0000	0.00	Q					69+10	0.0000	0.00	Q				
64+ 5	0.0000	0.00	Q					69+15	0.0000	0.00	Q				
64+10	0.0000	0.00	Q					69+20	0.0000	0.00	Q				
64+15	0.0000	0.00	Q					69+25	0.0000	0.00	Q				
64+20	0.0000	0.00	Q					69+30	0.0000	0.00	Q				
64+25	0.0000	0.00	Q					69+35	0.0000	0.00	Q				
64+30	0.0000	0.00	Q					69+40	0.0000	0.00	Q				
64+35	0.0000	0.00	Q					69+45	0.0000	0.00	Q				
64+40	0.0000	0.00	Q					69+50	0.0000	0.00	Q				
64+45	0.0000	0.00	Q					69+55	0.0000	0.00	Q				
64+50	0.0000	0.00	Q					70+ 0	0.0000	0.00	Q				
64+55	0.0000	0.00	Q					70+ 5	0.0000	0.00	Q				
65+ 0	0.0000	0.00	Q					70+10	0.0000	0.00	Q				
65+ 5	0.0000	0.00	Q					70+15	0.0000	0.00	Q				
65+10	0.0000	0.00	Q					70+20	0.0000	0.00	Q				
65+15	0.0000	0.00	Q					70+25	0.0000	0.00	Q				
65+20	0.0000	0.00	Q					70+30	0.0000	0.00	Q				
65+25	0.0000	0.00	Q					70+35	0.0000	0.00	Q				
65+30	0.0000	0.00	Q					70+40	0.0000	0.00	Q				
65+35	0.0000	0.00	Q					70+45	0.0000	0.00	Q				
65+40	0.0000	0.00	Q					70+50	0.0000	0.00	Q				
65+45	0.0000	0.00	Q					70+55	0.0000	0.00	Q				
65+50	0.0000	0.00	Q					71+ 0	0.0000	0.00	Q				
65+55	0.0000	0.00	Q					71+ 5	0.0000	0.00	Q				
66+ 0	0.0000	0.00	Q					71+10	0.0000	0.00	Q				
66+ 5	0.0000	0.00	Q					71+15	0.0000	0.00	Q				

71+20	0.0000	0.00	Q					76+30	0.0000	0.00	Q				
71+25	0.0000	0.00	Q					76+35	0.0000	0.00	Q				
71+30	0.0000	0.00	Q					76+40	0.0000	0.00	Q				
71+35	0.0000	0.00	Q					76+45	0.0000	0.00	Q				
71+40	0.0000	0.00	Q					76+50	0.0000	0.00	Q				
71+45	0.0000	0.00	Q					76+55	0.0000	0.00	Q				
71+50	0.0000	0.00	Q					77+ 0	0.0000	0.00	Q				
71+55	0.0000	0.00	Q					77+ 5	0.0000	0.00	Q				
72+ 0	0.0000	0.00	Q					77+10	0.0000	0.00	Q				
72+ 5	0.0000	0.00	Q					77+15	0.0000	0.00	Q				
72+10	0.0000	0.00	Q					77+20	0.0000	0.00	Q				
72+15	0.0000	0.00	Q					77+25	0.0000	0.00	Q				
72+20	0.0000	0.00	Q					77+30	0.0000	0.00	Q				
72+25	0.0000	0.00	Q					77+35	0.0000	0.00	Q				
72+30	0.0000	0.00	Q					77+40	0.0000	0.00	Q				
72+35	0.0000	0.00	Q					77+45	0.0000	0.00	Q				
72+40	0.0000	0.00	Q					77+50	0.0000	0.00	Q				
72+45	0.0000	0.00	Q					77+55	0.0000	0.00	Q				
72+50	0.0000	0.00	Q					78+ 0	0.0000	0.00	Q				
72+55	0.0000	0.00	Q					78+ 5	0.0000	0.00	Q				
73+ 0	0.0000	0.00	Q					78+10	0.0000	0.00	Q				
73+ 5	0.0000	0.00	Q					78+15	0.0000	0.00	Q				
73+10	0.0000	0.00	Q					78+20	0.0000	0.00	Q				
73+15	0.0000	0.00	Q					78+25	0.0000	0.00	Q				
73+20	0.0000	0.00	Q					78+30	0.0000	0.00	Q				
73+25	0.0000	0.00	Q					78+35	0.0000	0.00	Q				
73+30	0.0000	0.00	Q					78+40	0.0000	0.00	Q				
73+35	0.0000	0.00	Q					78+45	0.0000	0.00	Q				
73+40	0.0000	0.00	Q					78+50	0.0000	0.00	Q				
73+45	0.0000	0.00	Q					78+55	0.0000	0.00	Q				
73+50	0.0000	0.00	Q					79+ 0	0.0000	0.00	Q				
73+55	0.0000	0.00	Q					79+ 5	0.0000	0.00	Q				
74+ 0	0.0000	0.00	Q					79+10	0.0000	0.00	Q				
74+ 5	0.0000	0.00	Q					79+15	0.0000	0.00	Q				
74+10	0.0000	0.00	Q					79+20	0.0000	0.00	Q				
74+15	0.0000	0.00	Q					79+25	0.0000	0.00	Q				
74+20	0.0000	0.00	Q					79+30	0.0000	0.00	Q				
74+25	0.0000	0.00	Q					79+35	0.0000	0.00	Q				
74+30	0.0000	0.00	Q					79+40	0.0000	0.00	Q				
74+35	0.0000	0.00	Q					79+45	0.0000	0.00	Q				
74+40	0.0000	0.00	Q					79+50	0.0000	0.00	Q				
74+45	0.0000	0.00	Q					79+55	0.0000	0.00	Q				
74+50	0.0000	0.00	Q					80+ 0	0.0000	0.00	Q				
74+55	0.0000	0.00	Q					80+ 5	0.0000	0.00	Q				
75+ 0	0.0000	0.00	Q					80+10	0.0000	0.00	Q				
75+ 5	0.0000	0.00	Q					80+15	0.0000	0.00	Q				
75+10	0.0000	0.00	Q					80+20	0.0000	0.00	Q				
75+15	0.0000	0.00	Q					80+25	0.0000	0.00	Q				
75+20	0.0000	0.00	Q					80+30	0.0000	0.00	Q				
75+25	0.0000	0.00	Q					80+35	0.0000	0.00	Q				
75+30	0.0000	0.00	Q					80+40	0.0000	0.00	Q				
75+35	0.0000	0.00	Q					80+45	0.0000	0.00	Q				
75+40	0.0000	0.00	Q					80+50	0.0000	0.00	Q				
75+45	0.0000	0.00	Q					80+55	0.0000	0.00	Q				
75+50	0.0000	0.00	Q					81+ 0	0.0000	0.00	Q				
75+55	0.0000	0.00	Q					81+ 5	0.0000	0.00	Q				
76+ 0	0.0000	0.00	Q					81+10	0.0000	0.00	Q				
76+ 5	0.0000	0.00	Q					81+15	0.0000	0.00	Q				
76+10	0.0000	0.00	Q					81+20	0.0000	0.00	Q				
76+15	0.0000	0.00	Q					81+25	0.0000	0.00	Q				
76+20	0.0000	0.00	Q					81+30	0.0000	0.00	Q				
76+25	0.0000	0.00	Q					81+35	0.0000	0.00	Q				

81+40	0.0000	0.00	Q					86+50	0.0000	0.00	Q				
81+45	0.0000	0.00	Q					86+55	0.0000	0.00	Q				
81+50	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q				
81+55	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q				
82+ 0	0.0000	0.00	Q					87+10	0.0000	0.00	Q				
82+ 5	0.0000	0.00	Q					87+15	0.0000	0.00	Q				
82+10	0.0000	0.00	Q					87+20	0.0000	0.00	Q				
82+15	0.0000	0.00	Q					87+25	0.0000	0.00	Q				
82+20	0.0000	0.00	Q					87+30	0.0000	0.00	Q				
82+25	0.0000	0.00	Q					87+35	0.0000	0.00	Q				
82+30	0.0000	0.00	Q					87+40	0.0000	0.00	Q				
82+35	0.0000	0.00	Q					87+45	0.0000	0.00	Q				
82+40	0.0000	0.00	Q					87+50	0.0000	0.00	Q				
82+45	0.0000	0.00	Q					87+55	0.0000	0.00	Q				
82+50	0.0000	0.00	Q					88+ 0	0.0000	0.00	Q				
82+55	0.0000	0.00	Q					88+ 5	0.0000	0.00	Q				
83+ 0	0.0000	0.00	Q					88+10	0.0000	0.00	Q				
83+ 5	0.0000	0.00	Q					88+15	0.0000	0.00	Q				
83+10	0.0000	0.00	Q					88+20	0.0000	0.00	Q				
83+15	0.0000	0.00	Q					88+25	0.0000	0.00	Q				
83+20	0.0000	0.00	Q					88+30	0.0000	0.00	Q				
83+25	0.0000	0.00	Q					88+35	0.0000	0.00	Q				
83+30	0.0000	0.00	Q					88+40	0.0000	0.00	Q				
83+35	0.0000	0.00	Q					88+45	0.0000	0.00	Q				
83+40	0.0000	0.00	Q					88+50	0.0000	0.00	Q				
83+45	0.0000	0.00	Q					88+55	0.0000	0.00	Q				
83+50	0.0000	0.00	Q					89+ 0	0.0000	0.00	Q				
83+55	0.0000	0.00	Q					89+ 5	0.0000	0.00	Q				
84+ 0	0.0000	0.00	Q					89+10	0.0000	0.00	Q				
84+ 5	0.0000	0.00	Q					89+15	0.0000	0.00	Q				
84+10	0.0000	0.00	Q					89+20	0.0000	0.00	Q				
84+15	0.0000	0.00	Q					89+25	0.0000	0.00	Q				
84+20	0.0000	0.00	Q					89+30	0.0000	0.00	Q				
84+25	0.0000	0.00	Q					89+35	0.0000	0.00	Q				
84+30	0.0000	0.00	Q					89+40	0.0000	0.00	Q				
84+35	0.0000	0.00	Q					89+45	0.0000	0.00	Q				
84+40	0.0000	0.00	Q					89+50	0.0000	0.00	Q				
84+45	0.0000	0.00	Q					89+55	0.0000	0.00	Q				
84+50	0.0000	0.00	Q					90+ 0	0.0000	0.00	Q				
84+55	0.0000	0.00	Q					90+ 5	0.0000	0.00	Q				
85+ 0	0.0000	0.00	Q					90+10	0.0000	0.00	Q				
85+ 5	0.0000	0.00	Q					90+15	0.0000	0.00	Q				
85+10	0.0000	0.00	Q					90+20	0.0000	0.00	Q				
85+15	0.0000	0.00	Q					90+25	0.0000	0.00	Q				
85+20	0.0000	0.00	Q					90+30	0.0000	0.00	Q				
85+25	0.0000	0.00	Q					90+35	0.0000	0.00	Q				
85+30	0.0000	0.00	Q					90+40	0.0000	0.00	Q				
85+35	0.0000	0.00	Q					90+45	0.0000	0.00	Q				
85+40	0.0000	0.00	Q					90+50	0.0000	0.00	Q				
85+45	0.0000	0.00	Q					90+55	0.0000	0.00	Q				
85+50	0.0000	0.00	Q					91+ 0	0.0000	0.00	Q				
85+55	0.0000	0.00	Q					91+ 5	0.0000	0.00	Q				
86+ 0	0.0000	0.00	Q					91+10	0.0000	0.00	Q				
86+ 5	0.0000	0.00	Q					91+15	0.0000	0.00	Q				
86+10	0.0000	0.00	Q					91+20	0.0000	0.00	Q				
86+15	0.0000	0.00	Q					91+25	0.0000	0.00	Q				
86+20	0.0000	0.00	Q					91+30	0.0000	0.00	Q				
86+25	0.0000	0.00	Q					91+35	0.0000	0.00	Q				
86+30	0.0000	0.00	Q					91+40	0.0000	0.00	Q				
86+35	0.0000	0.00	Q					91+45	0.0000	0.00	Q				
86+40	0.0000	0.00	Q					91+50	0.0000	0.00	Q				
86+45	0.0000	0.00	Q					91+55	0.0000	0.00	Q				

92+ 0	0.0000	0.00	Q					97+10	0.0000	0.00	Q				
92+ 5	0.0000	0.00	Q					97+15	0.0000	0.00	Q				
92+10	0.0000	0.00	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.00	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.00	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.00	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.00	Q					97+40	0.0000	0.00	Q				
92+35	0.0000	0.00	Q					97+45	0.0000	0.00	Q				
92+40	0.0000	0.00	Q					97+50	0.0000	0.00	Q				
92+45	0.0000	0.00	Q					97+55	0.0000	0.00	Q				
92+50	0.0000	0.00	Q					98+ 0	0.0000	0.00	Q				
92+55	0.0000	0.00	Q					98+ 5	0.0000	0.00	Q				
93+ 0	0.0000	0.00	Q					98+10	0.0000	0.00	Q				
93+ 5	0.0000	0.00	Q					98+15	0.0000	0.00	Q				
93+10	0.0000	0.00	Q					98+20	0.0000	0.00	Q				
93+15	0.0000	0.00	Q					98+25	0.0000	0.00	Q				
93+20	0.0000	0.00	Q					98+30	0.0000	0.00	Q				
93+25	0.0000	0.00	Q					98+35	0.0000	0.00	Q				
93+30	0.0000	0.00	Q					98+40	0.0000	0.00	Q				
93+35	0.0000	0.00	Q					98+45	0.0000	0.00	Q				
93+40	0.0000	0.00	Q					98+50	0.0000	0.00	Q				
93+45	0.0000	0.00	Q					98+55	0.0000	0.00	Q				
93+50	0.0000	0.00	Q					99+ 0	0.0000	0.00	Q				
93+55	0.0000	0.00	Q					99+ 5	0.0000	0.00	Q				
94+ 0	0.0000	0.00	Q					99+10	0.0000	0.00	Q				
94+ 5	0.0000	0.00	Q					99+15	0.0000	0.00	Q				
94+10	0.0000	0.00	Q					99+20	0.0000	0.00	Q				
94+15	0.0000	0.00	Q					99+25	0.0000	0.00	Q				
94+20	0.0000	0.00	Q					99+30	0.0000	0.00	Q				
94+25	0.0000	0.00	Q					99+35	0.0000	0.00	Q				
94+30	0.0000	0.00	Q					99+40	0.0000	0.00	Q				
94+35	0.0000	0.00	Q					99+45	0.0000	0.00	Q				
94+40	0.0000	0.00	Q					99+50	0.0000	0.00	Q				
94+45	0.0000	0.00	Q					99+55	0.0000	0.00	Q				
94+50	0.0000	0.00	Q					100+ 0	0.0000	0.00	Q				
94+55	0.0000	0.00	Q					100+ 5	0.0000	0.00	Q				
95+ 0	0.0000	0.00	Q					100+10	0.0000	0.00	Q				
95+ 5	0.0000	0.00	Q					100+15	0.0000	0.00	Q				
95+10	0.0000	0.00	Q					100+20	0.0000	0.00	Q				
95+15	0.0000	0.00	Q					100+25	0.0000	0.00	Q				
95+20	0.0000	0.00	Q					100+30	0.0000	0.00	Q				
95+25	0.0000	0.00	Q					100+35	0.0000	0.00	Q				
95+30	0.0000	0.00	Q					100+40	0.0000	0.00	Q				
95+35	0.0000	0.00	Q					100+45	0.0000	0.00	Q				
95+40	0.0000	0.00	Q					100+50	0.0000	0.00	Q				
95+45	0.0000	0.00	Q					100+55	0.0000	0.00	Q				
95+50	0.0000	0.00	Q					101+ 0	0.0000	0.00	Q				
95+55	0.0000	0.00	Q					101+ 5	0.0000	0.00	Q				
96+ 0	0.0000	0.00	Q					101+10	0.0000	0.00	Q				
96+ 5	0.0000	0.00	Q					101+15	0.0000	0.00	Q				
96+10	0.0000	0.00	Q					101+20	0.0000	0.00	Q				
96+15	0.0000	0.00	Q					101+25	0.0000	0.00	Q				
96+20	0.0000	0.00	Q					101+30	0.0000	0.00	Q				
96+25	0.0000	0.00	Q					101+35	0.0000	0.00	Q				
96+30	0.0000	0.00	Q					101+40	0.0000	0.00	Q				
96+35	0.0000	0.00	Q					101+45	0.0000	0.00	Q				
96+40	0.0000	0.00	Q					101+50	0.0000	0.00	Q				
96+45	0.0000	0.00	Q					101+55	0.0000	0.00	Q				
96+50	0.0000	0.00	Q					102+ 0	0.0000	0.00	Q				
96+55	0.0000	0.00	Q					102+ 5	0.0000	0.00	Q				
97+ 0	0.0000	0.00	Q					102+10	0.0000	0.00	Q				
97+ 5	0.0000	0.00	Q					102+15	0.0000	0.00	Q				

102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				
102+55	0.0000	0.00	Q					108+ 5	0.0000	0.00	Q				
103+ 0	0.0000	0.00	Q					108+10	0.0000	0.00	Q				
103+ 5	0.0000	0.00	Q					108+15	0.0000	0.00	Q				
103+10	0.0000	0.00	Q					108+20	0.0000	0.00	Q				
103+15	0.0000	0.00	Q					108+25	0.0000	0.00	Q				
103+20	0.0000	0.00	Q					108+30	0.0000	0.00	Q				
103+25	0.0000	0.00	Q					108+35	0.0000	0.00	Q				
103+30	0.0000	0.00	Q					108+40	0.0000	0.00	Q				
103+35	0.0000	0.00	Q					108+45	0.0000	0.00	Q				
103+40	0.0000	0.00	Q					108+50	0.0000	0.00	Q				
103+45	0.0000	0.00	Q					108+55	0.0000	0.00	Q				
103+50	0.0000	0.00	Q					109+ 0	0.0000	0.00	Q				
103+55	0.0000	0.00	Q					109+ 5	0.0000	0.00	Q				
104+ 0	0.0000	0.00	Q					109+10	0.0000	0.00	Q				
104+ 5	0.0000	0.00	Q					109+15	0.0000	0.00	Q				
104+10	0.0000	0.00	Q					109+20	0.0000	0.00	Q				
104+15	0.0000	0.00	Q					109+25	0.0000	0.00	Q				
104+20	0.0000	0.00	Q					109+30	0.0000	0.00	Q				
104+25	0.0000	0.00	Q					109+35	0.0000	0.00	Q				
104+30	0.0000	0.00	Q					109+40	0.0000	0.00	Q				
104+35	0.0000	0.00	Q					109+45	0.0000	0.00	Q				
104+40	0.0000	0.00	Q					109+50	0.0000	0.00	Q				
104+45	0.0000	0.00	Q					109+55	0.0000	0.00	Q				
104+50	0.0000	0.00	Q					110+ 0	0.0000	0.00	Q				
104+55	0.0000	0.00	Q					110+ 5	0.0000	0.00	Q				
105+ 0	0.0000	0.00	Q					110+10	0.0000	0.00	Q				
105+ 5	0.0000	0.00	Q					110+15	0.0000	0.00	Q				
105+10	0.0000	0.00	Q					110+20	0.0000	0.00	Q				
105+15	0.0000	0.00	Q					110+25	0.0000	0.00	Q				
105+20	0.0000	0.00	Q					110+30	0.0000	0.00	Q				
105+25	0.0000	0.00	Q					110+35	0.0000	0.00	Q				
105+30	0.0000	0.00	Q					110+40	0.0000	0.00	Q				
105+35	0.0000	0.00	Q					110+45	0.0000	0.00	Q				
105+40	0.0000	0.00	Q					110+50	0.0000	0.00	Q				
105+45	0.0000	0.00	Q					110+55	0.0000	0.00	Q				
105+50	0.0000	0.00	Q					111+ 0	0.0000	0.00	Q				
105+55	0.0000	0.00	Q					111+ 5	0.0000	0.00	Q				
106+ 0	0.0000	0.00	Q					111+10	0.0000	0.00	Q				
106+ 5	0.0000	0.00	Q					111+15	0.0000	0.00	Q				
106+10	0.0000	0.00	Q					111+20	0.0000	0.00	Q				
106+15	0.0000	0.00	Q					111+25	0.0000	0.00	Q				
106+20	0.0000	0.00	Q					111+30	0.0000	0.00	Q				
106+25	0.0000	0.00	Q					111+35	0.0000	0.00	Q				
106+30	0.0000	0.00	Q					111+40	0.0000	0.00	Q				
106+35	0.0000	0.00	Q					111+45	0.0000	0.00	Q				
106+40	0.0000	0.00	Q					111+50	0.0000	0.00	Q				
106+45	0.0000	0.00	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.00	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.00	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.00	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.00	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.00	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.00	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.00	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.00	Q					112+35	0.0000	0.00	Q				

112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				
113+35	0.0000	0.00	Q					118+45	0.0000	0.00	Q				
113+40	0.0000	0.00	Q					118+50	0.0000	0.00	Q				
113+45	0.0000	0.00	Q					118+55	0.0000	0.00	Q				
113+50	0.0000	0.00	Q					119+ 0	0.0000	0.00	Q				
113+55	0.0000	0.00	Q					119+ 5	0.0000	0.00	Q				
114+ 0	0.0000	0.00	Q					119+10	0.0000	0.00	Q				
114+ 5	0.0000	0.00	Q					119+15	0.0000	0.00	Q				
114+10	0.0000	0.00	Q					119+20	0.0000	0.00	Q				
114+15	0.0000	0.00	Q					119+25	0.0000	0.00	Q				
114+20	0.0000	0.00	Q					119+30	0.0000	0.00	Q				
114+25	0.0000	0.00	Q					119+35	0.0000	0.00	Q				
114+30	0.0000	0.00	Q					119+40	0.0000	0.00	Q				
114+35	0.0000	0.00	Q					119+45	0.0000	0.00	Q				
114+40	0.0000	0.00	Q					119+50	0.0000	0.00	Q				
114+45	0.0000	0.00	Q					119+55	0.0000	0.00	Q				
114+50	0.0000	0.00	Q					120+ 0	0.0000	0.00	Q				
114+55	0.0000	0.00	Q					120+ 5	0.0000	0.00	Q				
115+ 0	0.0000	0.00	Q					120+10	0.0000	0.00	Q				
115+ 5	0.0000	0.00	Q					120+15	0.0000	0.00	Q				
115+10	0.0000	0.00	Q					120+20	0.0000	0.00	Q				
115+15	0.0000	0.00	Q					120+25	0.0000	0.00	Q				
115+20	0.0000	0.00	Q					120+30	0.0000	0.00	Q				
115+25	0.0000	0.00	Q					120+35	0.0000	0.00	Q				
115+30	0.0000	0.00	Q					120+40	0.0000	0.00	Q				
115+35	0.0000	0.00	Q					120+45	0.0000	0.00	Q				
115+40	0.0000	0.00	Q					120+50	0.0000	0.00	Q				
115+45	0.0000	0.00	Q					120+55	0.0000	0.00	Q				
115+50	0.0000	0.00	Q					121+ 0	0.0000	0.00	Q				
115+55	0.0000	0.00	Q					121+ 5	0.0000	0.00	Q				
116+ 0	0.0000	0.00	Q					121+10	0.0000	0.00	Q				
116+ 5	0.0000	0.00	Q					121+15	0.0000	0.00	Q				
116+10	0.0000	0.00	Q					121+20	0.0000	0.00	Q				
116+15	0.0000	0.00	Q					121+25	0.0000	0.00	Q				
116+20	0.0000	0.00	Q					121+30	0.0000	0.00	Q				
116+25	0.0000	0.00	Q					121+35	0.0000	0.00	Q				
116+30	0.0000	0.00	Q					121+40	0.0000	0.00	Q				
116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				
116+40	0.0000	0.00	Q					121+50	0.0000	0.00	Q				
116+45	0.0000	0.00	Q					121+55	0.0000	0.00	Q				
116+50	0.0000	0.00	Q					122+ 0	0.0000	0.00	Q				
116+55	0.0000	0.00	Q					122+ 5	0.0000	0.00	Q				
117+ 0	0.0000	0.00	Q					122+10	0.0000	0.00	Q				
117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				

123+ 0	0.0000	0.00	Q	|	|	|	|	128+10	0.0000	0.00	Q	|	|	|	|
123+ 5	0.0000	0.00	Q	|	|	|	|	128+15	0.0000	0.00	Q	|	|	|	|
123+10	0.0000	0.00	Q	|	|	|	|	128+20	0.0000	0.00	Q	|	|	|	|
123+15	0.0000	0.00	Q	|	|	|	|	128+25	0.0000	0.00	Q	|	|	|	|
123+20	0.0000	0.00	Q	|	|	|	|	128+30	0.0000	0.00	Q	|	|	|	|
123+25	0.0000	0.00	Q	|	|	|	|	128+35	0.0000	0.00	Q	|	|	|	|
123+30	0.0000	0.00	Q	|	|	|	|	128+40	0.0000	0.00	Q	|	|	|	|
123+35	0.0000	0.00	Q	|	|	|	|	128+45	0.0000	0.00	Q	|	|	|	|
123+40	0.0000	0.00	Q	|	|	|	|	128+50	0.0000	0.00	Q	|	|	|	|
123+45	0.0000	0.00	Q	|	|	|	|	128+55	0.0000	0.00	Q	|	|	|	|
123+50	0.0000	0.00	Q	|	|	|	|	129+ 0	0.0000	0.00	Q	|	|	|	|
123+55	0.0000	0.00	Q	|	|	|	|	129+ 5	0.0000	0.00	Q	|	|	|	|
124+ 0	0.0000	0.00	Q	|	|	|	|	129+10	0.0000	0.00	Q	|	|	|	|
124+ 5	0.0000	0.00	Q	|	|	|	|	129+15	0.0000	0.00	Q	|	|	|	|
124+10	0.0000	0.00	Q	|	|	|	|	129+20	0.0000	0.00	Q	|	|	|	|
124+15	0.0000	0.00	Q	|	|	|	|	129+25	0.0000	0.00	Q	|	|	|	|
124+20	0.0000	0.00	Q	|	|	|	|	129+30	0.0000	0.00	Q	|	|	|	|
124+25	0.0000	0.00	Q	|	|	|	|	129+35	0.0000	0.00	Q	|	|	|	|
124+30	0.0000	0.00	Q	|	|	|	|	129+40	0.0000	0.00	Q	|	|	|	|
124+35	0.0000	0.00	Q	|	|	|	|	129+45	0.0000	0.00	Q	|	|	|	|
124+40	0.0000	0.00	Q	|	|	|	|	129+50	0.0000	0.00	Q	|	|	|	|
124+45	0.0000	0.00	Q	|	|	|	|	129+55	0.0000	0.00	Q	|	|	|	|
124+50	0.0000	0.00	Q	|	|	|	|	130+ 0	0.0000	0.00	Q	|	|	|	|
124+55	0.0000	0.00	Q	|	|	|	|	130+ 5	0.0000	0.00	Q	|	|	|	|
125+ 0	0.0000	0.00	Q	|	|	|	|	130+10	0.0000	0.00	Q	|	|	|	|
125+ 5	0.0000	0.00	Q	|	|	|	|	130+15	0.0000	0.00	Q	|	|	|	|
125+10	0.0000	0.00	Q	|	|	|	|	130+20	0.0000	0.00	Q	|	|	|	|
125+15	0.0000	0.00	Q	|	|	|	|	130+25	0.0000	0.00	Q	|	|	|	|
125+20	0.0000	0.00	Q	|	|	|	|	130+30	0.0000	0.00	Q	|	|	|	|
125+25	0.0000	0.00	Q	|	|	|	|	130+35	0.0000	0.00	Q	|	|	|	|
125+30	0.0000	0.00	Q	|	|	|	|	130+40	0.0000	0.00	Q	|	|	|	|
125+35	0.0000	0.00	Q	|	|	|	|	130+45	0.0000	0.00	Q	|	|	|	|
125+40	0.0000	0.00	Q	|	|	|	|	130+50	0.0000	0.00	Q	|	|	|	|
125+45	0.0000	0.00	Q	|	|	|	|	130+55	0.0000	0.00	Q	|	|	|	|
125+50	0.0000	0.00	Q	|	|	|	|	131+ 0	0.0000	0.00	Q	|	|	|	|
125+55	0.0000	0.00	Q	|	|	|	|	131+ 5	0.0000	0.00	Q	|	|	|	|
126+ 0	0.0000	0.00	Q	|	|	|	|	131+10	0.0000	0.00	Q	|	|	|	|
126+ 5	0.0000	0.00	Q	|	|	|	|	131+15	0.0000	0.00	Q	|	|	|	|
126+10	0.0000	0.00	Q	|	|	|	|	131+20	0.0000	0.00	Q	|	|	|	|
126+15	0.0000	0.00	Q	|	|	|	|	131+25	0.0000	0.00	Q	|	|	|	|
126+20	0.0000	0.00	Q	|	|	|	|	131+30	0.0000	0.00	Q	|	|	|	|
126+25	0.0000	0.00	Q	|	|	|	|	131+35	0.0000	0.00	Q	|	|	|	|
126+30	0.0000	0.00	Q	|	|	|	|	131+40	0.0000	0.00	Q	|	|	|	|
126+35	0.0000	0.00	Q	|	|	|	|	131+45	0.0000	0.00	Q	|	|	|	|
126+40	0.0000	0.00	Q	|	|	|	|	131+50	0.0000	0.00	Q	|	|	|	|
126+45	0.0000	0.00	Q	|	|	|	|	131+55	0.0000	0.00	Q	|	|	|	|
126+50	0.0000	0.00	Q	|	|	|	|	132+ 0	0.0000	0.00	Q	|	|	|	|
126+55	0.0000	0.00	Q	|	|	|	|	132+ 5	0.0000	0.00	Q	|	|	|	|
127+ 0	0.0000	0.00	Q	|	|	|	|	132+10	0.0000	0.00	Q	|	|	|	|
127+ 5	0.0000	0.00	Q	|	|	|	|	132+15	0.0000	0.00	Q	|	|	|	|
127+10	0.0000	0.00	Q	|	|	|	|	132+20	0.0000	0.00	Q	|	|	|	|
127+15	0.0000	0.00	Q	|	|	|	|	132+25	0.0000	0.00	Q	|	|	|	|
127+20	0.0000	0.00	Q	|	|	|	|	132+30	0.0000	0.00	Q	|	|	|	|
127+25	0.0000	0.00	Q	|	|	|	|	132+35	0.0000	0.00	Q	|	|	|	|
127+30	0.0000	0.00	Q	|	|	|	|	132+40	0.0000	0.00	Q	|	|	|	|
127+35	0.0000	0.00	Q	|	|	|	|	132+45	0.0000	0.00	Q	|	|	|	|
127+40	0.0000	0.00	Q	|	|	|	|	132+50	0.0000	0.00	Q	|	|	|	|
127+45	0.0000	0.00	Q	|	|	|	|	132+55	0.0000	0.00	Q	|	|	|	|
127+50	0.0000	0.00	Q	|	|	|	|	133+ 0	0.0000	0.00	Q	|	|	|	|
127+55	0.0000	0.00	Q	|	|	|	|	133+ 5	0.0000	0.00	Q	|	|	|	|
128+ 0	0.0000	0.00	Q	|	|	|	|	133+10	0.0000	0.00	Q	|	|	|	|
128+ 5	0.0000	0.00	Q	|	|	|	|	133+15	0.0000	0.00	Q	|	|	|	|

```
 133+20       0.0000      0.00  Q          |          |          |          |
 133+25       0.0000      0.00  Q          |          |          |          |
 133+30       0.0000      0.00  Q          |          |          |          |
 133+35       0.0000      0.00  Q          |          |          |          |
 133+40       0.0000      0.00  Q          |          |          |          |
 133+45       0.0000      0.00  Q          |          |          |          |
 133+50       0.0000      0.00  Q          |          |          |          |
 133+55       0.0000      0.00  Q          |          |          |          |
 134+ 0       0.0000      0.00  Q          |          |          |          |
 134+ 5       0.0000      0.00  Q          |          |          |          |
 134+10       0.0000      0.00  Q          |          |          |          |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1610
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      284.684 (CFS)
                    Total volume =      54.534 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ************************************************************************

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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.700 to Point/Station        5.700
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ________________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 3 with
        a starting time of   0.00 hours and ending time of  25.00 hours
        With a total volume of      54.53(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000   284.684     0.000     0.000
            Vol (Ac.Ft)     0.000     0.000    54.534     0.000     0.000
        ************************************************************************

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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.400 to Point/Station        5.500
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP5B1006100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

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Time(h+m) Add q(CFS)  Tot. Q   0       39.0      78.0      117.0     156.0
-------------------------------------------------------------------------
  0+ 5       0.5778      0.58  Q          |          |          |          |
  0+10       4.0591      4.06  |Q         |          |          |          |
  0+15       8.1582      8.16  | Q        |          |          |          |
  0+20      10.2047     10.20  | Q        |          |          |          |
  0+25      11.1934     11.19  | Q        |          |          |          |
  0+30      11.9834     11.98  |  Q       |          |          |          |
  0+35      13.5200     13.52  |  Q       |          |          |          |
  0+40      14.8259     14.83  |  Q       |          |          |          |
  0+45      15.3257     15.33  |  Q       |          |          |          |
  0+50      15.6280     15.63  |   Q      |          |          |          |
  0+55      15.8107     15.81  |   Q      |          |          |          |
  1+ 0      16.1144     16.11  |   Q      |          |          |          |
  1+ 5      17.3748     17.37  |   Q      |          |          |          |
  1+10      18.5674     18.57  |   Q      |          |          |          |
  1+15      19.0129     19.01  |   Q      |          |          |          |
  1+20      19.2686     19.27  |   Q      |          |          |          |
  1+25      19.4166     19.42  |   Q      |          |          |          |
  1+30      19.4899     19.49  |   Q      |          |          |          |
  1+35      19.5181     19.52  |    Q     |          |          |          |
  1+40      19.5361     19.54  |    Q     |          |          |          |
  1+45      19.5519     19.55  |    Q     |          |          |          |
  1+50      19.5616     19.56  |    Q     |          |          |          |
  1+55      19.5650     19.57  |    Q     |          |          |          |
  2+ 0      19.7790     19.78  |    Q     |          |          |          |
  2+ 5      20.7946     20.79  |    Q     |          |          |          |
  2+10      20.9535     20.95  |    Q     |          |          |          |
  2+15      21.4383     21.44  |    Q     |          |          |          |
  2+20      22.4292     22.43  |    Q     |          |          |          |
  2+25      22.7574     22.76  |    Q     |          |          |          |
  2+30      22.9321     22.93  |    Q     |          |          |          |
  2+35      23.0317     23.03  |    Q     |          |          |          |
  2+40      23.0948     23.09  |    Q     |          |          |          |
  2+45      23.3347     23.33  |    Q     |          |          |          |
  2+50      24.5762     24.58  |     Q    |          |          |          |
  2+55      25.7603     25.76  |     Q    |          |          |          |
  3+ 0      26.1962     26.20  |     Q    |          |          |          |
  3+ 5      26.4457     26.45  |     Q    |          |          |          |
  3+10      26.8043     26.80  |     Q    |          |          |          |
  3+15      28.1071     28.11  |      Q   |          |          |          |
  3+20      29.3099     29.31  |      Q   |          |          |          |
  3+25      29.9716     29.97  |      Q   |          |          |          |
  3+30      31.6770     31.68  |       Q  |          |          |          |
  3+35      34.4493     34.45  |       Q  |          |          |          |
  3+40      37.3598     37.36  |        Q |          |          |          |
  3+45      39.4523     39.45  |         Q|          |          |          |
  3+50      41.5203     41.52  |         Q|          |          |          |
  3+55      43.3885     43.39  |          |Q         |          |          |
  4+ 0      45.3035     45.30  |          |Q         |          |          |
  4+ 5      47.0610     47.06  |          | Q        |          |          |
  4+10      49.1409     49.14  |          | Q        |          |          |
  4+15      52.1219     52.12  |          |  Q       |          |          |
  4+20      55.3713     55.37  |          |   Q      |          |          |
  4+25      58.7696     58.77  |          |    Q     |          |          |
  4+30      62.0414     62.04  |          |    Q     |          |          |
  4+35      64.3513     64.35  |          |     Q    |          |          |
  4+40      66.7359     66.74  |          |      Q   |          |          |
  4+45      69.8738     69.87  |          |      Q   |          |          |
  4+50      72.9910     72.99  |          |       Q  |          |          |
  4+55      75.2002     75.20  |          |        Q |          |          |
  5+ 0      77.5393     77.54  |          |        Q |          |          |
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5+ 5	81.5242	81.52	|	|	Q	|	|
5+10	90.6212	90.62	|	|	| Q	|	|
5+15	104.0919	104.09	|	|	| Q	|	|
5+20	116.8998	116.90	|	|	| Q|	|	|
5+25	128.8222	128.82	|	|	| | Q	|	|
5+30	143.7922	143.79	|	|	| | Q	|	|
5+35	155.9890	155.99	|	|	| | Q|	|	|
5+40	122.7909	122.79	|	|	| Q|	|	|
5+45	72.4046	72.40	|	| Q	|	|	|
5+50	44.3345	44.33	| Q	|	|	|	|
5+55	28.1880	28.19	| Q	|	|	|	|
6+ 0	17.7265	17.73	| Q	|	|	|	|
6+ 5	10.7809	10.78	| Q	|	|	|	|
6+10	6.2390	6.24	|Q	|	|	|	|
6+15	3.3948	3.39	Q	|	|	|	|
6+20	1.8409	1.84	Q	|	|	|	|
6+25	0.8570	0.86	Q	|	|	|	|
6+30	0.3468	0.35	Q	|	|	|	|
6+35	0.1578	0.16	Q	|	|	|	|
6+40	0.0830	0.08	Q	|	|	|	|
6+45	0.0420	0.04	Q	|	|	|	|
6+50	0.0160	0.02	Q	|	|	|	|
6+55	0.0037	0.00	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 83
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 155.989 (CFS)
Total volume = 20.257 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	284.684	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	54.534	0.000	0.000

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Process from Point/Station 5.400 to Point/Station 5.500
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 83
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.279	0.400	0.278	0.280
3.000	0.967	0.720	0.965	0.969
5.000	1.839	0.930	1.836	1.842
7.000	2.907	1.110	2.903	2.911
9.000	4.184	1.250	4.180	4.188
11.000	5.689	1.390	5.684	5.694
12.000	6.528	1.450	6.523	6.533
13.000	7.427	1.510	7.422	7.432
14.000	8.387	1.570	8.382	8.392
15.000	9.413	1.620	9.407	9.419
16.000	10.507	6.350	10.485	10.529
17.000	11.669	8.760	11.639	11.699
18.000	12.901	10.550	12.865	12.937
19.000	14.204	12.050	14.163	14.245
20.000	15.581	13.370	15.535	15.627
21.000	17.033	24.990	16.947	17.119
22.000	18.563	33.620	18.447	18.679
23.000	20.173	39.840	20.036	20.310
24.000	21.866	106.820	21.498	22.234

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	39.0	77.99	116.99	155.99	Depth (Ft.)
0.083	0.58	0.00	0.002	O	|	|	|	|	0.01
0.167	4.06	0.03	0.018	O	|	|	|	|	0.06
0.250	8.16	0.09	0.060	OI	|	|	|	|	0.21
0.333	10.20	0.17	0.122	O I	|	|	|	|	0.44
0.417	11.19	0.28	0.194	O I	|	|	|	|	0.70
0.500	11.98	0.39	0.272	O I	|	|	|	|	0.97
0.583	13.52	0.44	0.356	O I	|	|	|	|	1.23
0.667	14.83	0.48	0.451	O I	|	|	|	|	1.50
0.750	15.33	0.53	0.551	O I	|	|	|	|	1.79
0.833	15.63	0.57	0.654	O I	|	|	|	|	2.09
0.917	15.81	0.62	0.758	O I	|	|	|	|	2.39
1.000	16.11	0.67	0.864	O I	|	|	|	|	2.70
1.083	17.37	0.72	0.974	O I	|	|	|	|	3.02
1.167	18.57	0.75	1.093	O I	|	|	|	|	3.29
1.250	19.01	0.78	1.217	O I	|	|	|	|	3.57
1.333	19.27	0.81	1.343	O I	|	|	|	|	3.86
1.417	19.42	0.84	1.471	O I	|	|	|	|	4.16
1.500	19.49	0.87	1.599	O I	|	|	|	|	4.45
1.583	19.52	0.90	1.727	O I	|	|	|	|	4.74
1.667	19.54	0.93	1.855	O I	|	|	|	|	5.03
1.750	19.55	0.95	1.983	O I	|	|	|	|	5.27
1.833	19.56	0.98	2.112	O I	|	|	|	|	5.51
1.917	19.57	1.00	2.239	O I	|	|	|	|	5.75
2.000	19.78	1.02	2.368	O I	|	|	|	|	5.99
2.083	20.79	1.04	2.501	O I	|	|	|	|	6.24
2.167	20.95	1.06	2.637	O I	|	|	|	|	6.49
2.250	21.44	1.09	2.776	O I	|	|	|	|	6.75
2.333	22.43	1.11	2.919	O I	|	|	|	|	7.02
2.417	22.76	1.13	3.067	O I	|	|	|	|	7.25
2.500	22.93	1.14	3.217	O I	|	|	|	|	7.48
2.583	23.03	1.16	3.367	O I	|	|	|	|	7.72
2.667	23.09	1.18	3.518	O I	|	|	|	|	7.96
2.750	23.33	1.19	3.669	O I	|	|	|	|	8.19
2.833	24.58	1.21	3.826	O I	|	|	|	|	8.44
2.917	25.76	1.23	3.991	O I	|	|	|	|	8.70
3.000	26.20	1.25	4.161	O I	|	|	|	|	8.96
3.083	26.45	1.26	4.334	O I	|	|	|	|	9.20

3.167	26.80	1.28	4.509	O	I	|	|	|	|	9.43	8.333	0.00	12.45	14.620	I	O	|	|	|	|	19.30
3.250	28.11	1.30	4.689	O	I	|	|	|	|	9.67	8.417	0.00	12.37	14.535	I	O	|	|	|	|	19.24
3.333	29.31	1.31	4.878	O	I	|	|	|	|	9.92	8.500	0.00	12.29	14.450	I	O	|	|	|	|	19.18
3.417	29.97	1.33	5.073	O	I	|	|	|	|	10.18	8.583	0.00	12.20	14.365	I	O	|	|	|	|	19.12
3.500	31.68	1.35	5.276	O	I	|	|	|	|	10.45	8.667	0.00	12.12	14.282	I	O	|	|	|	|	19.06
3.583	34.45	1.37	5.494	O	I	|	|	|	|	10.74	8.750	0.00	12.04	14.198	I	O	|	|	|	|	19.00
3.667	37.36	1.39	5.732	O	I	|	|	|	|	11.05	8.833	0.00	11.95	14.116	I	O	|	|	|	|	18.93
3.750	39.45	1.41	5.987	O	I	|	|	|	|	11.35	8.917	0.00	11.85	14.034	I	O	|	|	|	|	18.87
3.833	41.52	1.43	6.256	O	I	|	|	|	|	11.68	9.000	0.00	11.76	13.952	I	O	|	|	|	|	18.81
3.917	43.39	1.45	6.538	O	I	|	|	|	|	12.01	9.083	0.00	11.67	13.872	I	O	|	|	|	|	18.74
4.000	45.30	1.47	6.834	O	I	|	|	|	|	12.34	9.167	0.00	11.58	13.792	I	O	|	|	|	|	18.68
4.083	47.06	1.49	7.141	O	I	|	|	|	|	12.68	9.250	0.00	11.48	13.712	I	O	|	|	|	|	18.62
4.167	49.14	1.51	7.462	O	I	|	|	|	|	13.04	9.333	0.00	11.39	13.634	I	O	|	|	|	|	18.56
4.250	52.12	1.53	7.801	O	I	|	|	|	|	13.39	9.417	0.00	11.30	13.555	I	O	|	|	|	|	18.50
4.333	55.37	1.56	8.160	O	I	|	|	|	|	13.76	9.500	0.00	11.21	13.478	I	O	|	|	|	|	18.44
4.417	58.77	1.58	8.542	O	I	|	|	|	|	14.15	9.583	0.00	11.13	13.401	I	O	|	|	|	|	18.38
4.500	62.04	1.60	8.947	O	I	|	|	|	|	14.55	9.667	0.00	11.04	13.325	I	O	|	|	|	|	18.33
4.583	64.35	1.62	9.372	O	I	|	|	|	|	14.96	9.750	0.00	10.95	13.249	I	O	|	|	|	|	18.27
4.667	66.74	3.32	9.806	O	I	|	|	|	|	15.36	9.833	0.00	10.86	13.174	I	O	|	|	|	|	18.21
4.750	69.87	5.23	10.247	O	I	|	|	|	|	15.76	9.917	0.00	10.78	13.099	I	O	|	|	|	|	18.15
4.833	72.99	6.75	10.698	O	I	|	|	|	|	16.16	10.000	0.00	10.69	13.025	I	O	|	|	|	|	18.10
4.917	75.20	7.70	11.158	O	I	|	|	|	|	16.56	10.083	0.00	10.61	12.952	I	O	|	|	|	|	18.04
5.000	77.54	8.67	11.628	O	I	|	|	|	|	16.96	10.167	0.00	10.52	12.879	I	O	|	|	|	|	17.98
5.083	81.52	9.41	12.113	O	I	|	|	|	|	17.36	10.250	0.00	10.41	12.807	I	O	|	|	|	|	17.92
5.167	90.62	10.17	12.639	O	I	|	|	|	|	17.79	10.333	0.00	10.31	12.736	I	O	|	|	|	|	17.87
5.250	104.09	10.94	13.236	O	I	|	|	|	|	18.26	10.417	0.00	10.21	12.665	I	O	|	|	|	|	17.81
5.333	116.90	11.72	13.919	O	I	|	|	|	|	18.78	10.500	0.00	10.11	12.595	I	O	|	|	|	|	17.75
5.417	128.82	12.51	14.682	O	I	|	|	|	|	19.35	10.583	0.00	10.00	12.526	I	O	|	|	|	|	17.70
5.500	143.79	13.32	15.532	O	I	|	|	|	|	19.96	10.667	0.00	9.91	12.457	I	O	|	|	|	|	17.64
5.583	155.99	20.31	16.448	O	I	|	|	|	|	20.60	10.750	0.00	9.81	12.389	I	O	|	|	|	|	17.58
5.667	122.79	26.20	17.248	O	I	|	|	|	|	21.14	10.833	0.00	9.71	12.322	I	O	|	|	|	|	17.53
5.750	72.40	28.92	17.731	O	I	|	|	|	|	21.46	10.917	0.00	9.61	12.256	I	O	|	|	|	|	17.48
5.833	44.33	30.05	17.930	O	I	|	|	|	|	21.59	11.000	0.00	9.52	12.190	I	O	|	|	|	|	17.42
5.917	28.19	30.28	17.971	O	I	|	|	|	|	21.61	11.083	0.00	9.42	12.125	I	O	|	|	|	|	17.37
6.000	17.73	30.00	17.922	O	I	|	|	|	|	21.58	11.167	0.00	9.33	12.060	I	O	|	|	|	|	17.32
6.083	10.78	29.40	17.816	O	I	|	|	|	|	21.51	11.250	0.00	9.24	11.996	I	O	|	|	|	|	17.27
6.167	6.24	28.61	17.674	O	I	|	|	|	|	21.42	11.333	0.00	9.14	11.933	I	O	|	|	|	|	17.21
6.250	3.39	27.70	17.514	O	I	|	|	|	|	21.31	11.417	0.00	9.05	11.870	I	O	|	|	|	|	17.16
6.333	1.84	26.75	17.344	O	I	|	|	|	|	21.20	11.500	0.00	8.96	11.808	I	O	|	|	|	|	17.11
6.417	0.86	25.78	17.173	O	I	|	|	|	|	21.09	11.583	0.00	8.87	11.747	I	O	|	|	|	|	17.06
6.500	0.35	24.75	17.003	O	I	|	|	|	|	20.98	11.667	0.00	8.78	11.686	I	O	|	|	|	|	17.01
6.583	0.16	23.43	16.839	O	I	|	|	|	|	20.87	11.750	0.00	8.67	11.626	I	O	|	|	|	|	16.96
6.667	0.08	22.18	16.682	O	I	|	|	|	|	20.76	11.833	0.00	8.55	11.567	I	O	|	|	|	|	16.91
6.750	0.04	21.00	16.534	O	I	|	|	|	|	20.66	11.917	0.00	8.43	11.508	I	O	|	|	|	|	16.86
6.833	0.02	19.87	16.394	O	I	|	|	|	|	20.56	12.000	0.00	8.31	11.450	I	O	|	|	|	|	16.81
6.917	0.00	18.81	16.260	O	I	|	|	|	|	20.47	12.083	0.00	8.19	11.394	I	O	|	|	|	|	16.76
7.000	0.00	17.80	16.134	O	I	|	|	|	|	20.38	12.167	0.00	8.07	11.338	I	O	|	|	|	|	16.71
7.083	0.00	16.84	16.015	O	I	|	|	|	|	20.30	12.250	0.00	7.96	11.282	I	O	|	|	|	|	16.67
7.167	0.00	15.94	15.902	O	I	|	|	|	|	20.22	12.333	0.00	7.85	11.228	I	O	|	|	|	|	16.62
7.250	0.00	15.09	15.795	O	I	|	|	|	|	20.15	12.417	0.00	7.73	11.174	I	O	|	|	|	|	16.57
7.333	0.00	14.28	15.694	O	I	|	|	|	|	20.08	12.500	0.00	7.62	11.121	I	O	|	|	|	|	16.53
7.417	0.00	13.51	15.599	O	I	|	|	|	|	20.01	12.583	0.00	7.52	11.069	I	O	|	|	|	|	16.48
7.500	0.00	13.30	15.506	O	I	|	|	|	|	19.95	12.667	0.00	7.41	11.018	I	O	|	|	|	|	16.44
7.583	0.00	13.21	15.415	O	I	|	|	|	|	19.88	12.750	0.00	7.30	10.967	I	O	|	|	|	|	16.40
7.667	0.00	13.12	15.324	O	I	|	|	|	|	19.81	12.833	0.00	7.20	10.917	I	O	|	|	|	|	16.35
7.750	0.00	13.04	15.234	O	I	|	|	|	|	19.75	12.917	0.00	7.10	10.868	I	O	|	|	|	|	16.31
7.833	0.00	12.95	15.145	O	I	|	|	|	|	19.68	13.000	0.00	7.00	10.820	I	O	|	|	|	|	16.27
7.917	0.00	12.87	15.056	O	I	|	|	|	|	19.62	13.083	0.00	6.90	10.772	I	O	|	|	|	|	16.23
8.000	0.00	12.78	14.967	O	I	|	|	|	|	19.55	13.167	0.00	6.80	10.725	I	O	|	|	|	|	16.19
8.083	0.00	12.70	14.880	O	I	|	|	|	|	19.49	13.250	0.00	6.70	10.678	I	O	|	|	|	|	16.15
8.167	0.00	12.61	14.793	O	I	|	|	|	|	19.43	13.333	0.00	6.61	10.632	I	O	|	|	|	|	16.11
8.250	0.00	12.53	14.706	O	I	|	|	|	|	19.36	13.417	0.00	6.52	10.587	I	O	|	|	|	|	16.07

13.500	0.00	6.42	10.542	IO	|	|	|	|	16.03	18.667	0.00	1.61	9.242	O	|	|	|	|	14.83
13.583	0.00	6.31	10.499	IO	|	|	|	|	15.99	18.750	0.00	1.61	9.231	O	|	|	|	|	14.82
13.667	0.00	6.13	10.456	IO	|	|	|	|	15.95	18.833	0.00	1.61	9.220	O	|	|	|	|	14.81
13.750	0.00	5.95	10.414	IO	|	|	|	|	15.92	18.917	0.00	1.61	9.209	O	|	|	|	|	14.80
13.833	0.00	5.77	10.374	IO	|	|	|	|	15.88	19.000	0.00	1.61	9.198	O	|	|	|	|	14.79
13.917	0.00	5.60	10.335	IO	|	|	|	|	15.84	19.083	0.00	1.61	9.187	O	|	|	|	|	14.78
14.000	0.00	5.44	10.297	IO	|	|	|	|	15.81	19.167	0.00	1.61	9.176	O	|	|	|	|	14.77
14.083	0.00	5.28	10.260	IO	|	|	|	|	15.77	19.250	0.00	1.61	9.165	O	|	|	|	|	14.76
14.167	0.00	5.13	10.224	IO	|	|	|	|	15.74	19.333	0.00	1.61	9.154	O	|	|	|	|	14.75
14.250	0.00	4.98	10.189	IO	|	|	|	|	15.71	19.417	0.00	1.61	9.143	O	|	|	|	|	14.74
14.333	0.00	4.83	10.155	O	|	|	|	|	15.68	19.500	0.00	1.61	9.132	O	|	|	|	|	14.73
14.417	0.00	4.69	10.122	O	|	|	|	|	15.65	19.583	0.00	1.61	9.121	O	|	|	|	|	14.71
14.500	0.00	4.55	10.091	O	|	|	|	|	15.62	19.667	0.00	1.61	9.110	O	|	|	|	|	14.70
14.583	0.00	4.42	10.060	O	|	|	|	|	15.59	19.750	0.00	1.60	9.098	O	|	|	|	|	14.69
14.667	0.00	4.29	10.030	O	|	|	|	|	15.56	19.833	0.00	1.60	9.087	O	|	|	|	|	14.68
14.750	0.00	4.16	10.001	O	|	|	|	|	15.54	19.917	0.00	1.60	9.076	O	|	|	|	|	14.67
14.833	0.00	4.04	9.972	O	|	|	|	|	15.51	20.000	0.00	1.60	9.065	O	|	|	|	|	14.66
14.917	0.00	3.92	9.945	O	|	|	|	|	15.49	20.083	0.00	1.60	9.054	O	|	|	|	|	14.65
15.000	0.00	3.81	9.918	O	|	|	|	|	15.46	20.167	0.00	1.60	9.043	O	|	|	|	|	14.64
15.083	0.00	3.69	9.893	O	|	|	|	|	15.44	20.250	0.00	1.60	9.032	O	|	|	|	|	14.63
15.167	0.00	3.59	9.868	O	|	|	|	|	15.42	20.333	0.00	1.60	9.021	O	|	|	|	|	14.62
15.250	0.00	3.48	9.843	O	|	|	|	|	15.39	20.417	0.00	1.60	9.010	O	|	|	|	|	14.61
15.333	0.00	3.38	9.820	O	|	|	|	|	15.37	20.500	0.00	1.60	8.999	O	|	|	|	|	14.60
15.417	0.00	3.28	9.797	O	|	|	|	|	15.35	20.583	0.00	1.60	8.988	O	|	|	|	|	14.59
15.500	0.00	3.18	9.774	O	|	|	|	|	15.33	20.667	0.00	1.60	8.977	O	|	|	|	|	14.58
15.583	0.00	3.09	9.753	O	|	|	|	|	15.31	20.750	0.00	1.60	8.966	O	|	|	|	|	14.56
15.667	0.00	3.00	9.732	O	|	|	|	|	15.29	20.833	0.00	1.60	8.955	O	|	|	|	|	14.55
15.750	0.00	2.91	9.712	O	|	|	|	|	15.27	20.917	0.00	1.60	8.944	O	|	|	|	|	14.54
15.833	0.00	2.83	9.692	O	|	|	|	|	15.25	21.000	0.00	1.60	8.933	O	|	|	|	|	14.53
15.917	0.00	2.74	9.673	O	|	|	|	|	15.24	21.083	0.00	1.60	8.922	O	|	|	|	|	14.52
16.000	0.00	2.66	9.654	O	|	|	|	|	15.22	21.167	0.00	1.60	8.911	O	|	|	|	|	14.51
16.083	0.00	2.58	9.636	O	|	|	|	|	15.20	21.250	0.00	1.60	8.900	O	|	|	|	|	14.50
16.167	0.00	2.51	9.618	O	|	|	|	|	15.19	21.333	0.00	1.59	8.889	O	|	|	|	|	14.49
16.250	0.00	2.43	9.601	O	|	|	|	|	15.17	21.417	0.00	1.59	8.878	O	|	|	|	|	14.48
16.333	0.00	2.36	9.585	O	|	|	|	|	15.16	21.500	0.00	1.59	8.867	O	|	|	|	|	14.47
16.417	0.00	2.29	9.569	O	|	|	|	|	15.14	21.583	0.00	1.59	8.856	O	|	|	|	|	14.46
16.500	0.00	2.23	9.553	O	|	|	|	|	15.13	21.667	0.00	1.59	8.845	O	|	|	|	|	14.45
16.583	0.00	2.16	9.538	O	|	|	|	|	15.11	21.750	0.00	1.59	8.834	O	|	|	|	|	14.44
16.667	0.00	2.10	9.523	O	|	|	|	|	15.10	21.833	0.00	1.59	8.823	O	|	|	|	|	14.43
16.750	0.00	2.04	9.509	O	|	|	|	|	15.09	21.917	0.00	1.59	8.812	O	|	|	|	|	14.41
16.833	0.00	1.98	9.495	O	|	|	|	|	15.08	22.000	0.00	1.59	8.801	O	|	|	|	|	14.40
16.917	0.00	1.92	9.482	O	|	|	|	|	15.06	22.083	0.00	1.59	8.790	O	|	|	|	|	14.39
17.000	0.00	1.86	9.469	O	|	|	|	|	15.05	22.167	0.00	1.59	8.780	O	|	|	|	|	14.38
17.083	0.00	1.81	9.456	O	|	|	|	|	15.04	22.250	0.00	1.59	8.769	O	|	|	|	|	14.37
17.167	0.00	1.75	9.444	O	|	|	|	|	15.03	22.333	0.00	1.59	8.758	O	|	|	|	|	14.36
17.250	0.00	1.70	9.432	O	|	|	|	|	15.02	22.417	0.00	1.59	8.747	O	|	|	|	|	14.35
17.333	0.00	1.65	9.421	O	|	|	|	|	15.01	22.500	0.00	1.59	8.736	O	|	|	|	|	14.34
17.417	0.00	1.62	9.409	O	|	|	|	|	15.00	22.583	0.00	1.59	8.725	O	|	|	|	|	14.33
17.500	0.00	1.62	9.398	O	|	|	|	|	14.99	22.667	0.00	1.59	8.714	O	|	|	|	|	14.32
17.583	0.00	1.62	9.387	O	|	|	|	|	14.97	22.750	0.00	1.59	8.703	O	|	|	|	|	14.31
17.667	0.00	1.62	9.376	O	|	|	|	|	14.96	22.833	0.00	1.58	8.692	O	|	|	|	|	14.30
17.750	0.00	1.62	9.365	O	|	|	|	|	14.95	22.917	0.00	1.58	8.681	O	|	|	|	|	14.29
17.833	0.00	1.62	9.354	O	|	|	|	|	14.94	23.000	0.00	1.58	8.670	O	|	|	|	|	14.28
17.917	0.00	1.62	9.343	O	|	|	|	|	14.93	23.083	0.00	1.58	8.659	O	|	|	|	|	14.27
18.000	0.00	1.62	9.331	O	|	|	|	|	14.92	23.167	0.00	1.58	8.648	O	|	|	|	|	14.25
18.083	0.00	1.62	9.320	O	|	|	|	|	14.91	23.250	0.00	1.58	8.638	O	|	|	|	|	14.24
18.167	0.00	1.61	9.309	O	|	|	|	|	14.90	23.333	0.00	1.58	8.627	O	|	|	|	|	14.23
18.250	0.00	1.61	9.298	O	|	|	|	|	14.89	23.417	0.00	1.58	8.616	O	|	|	|	|	14.22
18.333	0.00	1.61	9.287	O	|	|	|	|	14.88	23.500	0.00	1.58	8.605	O	|	|	|	|	14.21
18.417	0.00	1.61	9.276	O	|	|	|	|	14.87	23.583	0.00	1.58	8.594	O	|	|	|	|	14.20
18.500	0.00	1.61	9.265	O	|	|	|	|	14.86	23.667	0.00	1.58	8.583	O	|	|	|	|	14.19
18.583	0.00	1.61	9.254	O	|	|	|	|	14.84	23.750	0.00	1.58	8.572	O	|	|	|	|	14.18

23.833	0.00	1.58	8.561	O	|	|	|	|	14.17	29.000	0.00	1.54	7.895	O	|	|	|	|	13.49
23.917	0.00	1.58	8.551	O	|	|	|	|	14.16	29.083	0.00	1.54	7.885	O	|	|	|	|	13.48
24.000	0.00	1.58	8.540	O	|	|	|	|	14.15	29.167	0.00	1.54	7.874	O	|	|	|	|	13.47
24.083	0.00	1.58	8.529	O	|	|	|	|	14.14	29.250	0.00	1.54	7.864	O	|	|	|	|	13.45
24.167	0.00	1.58	8.518	O	|	|	|	|	14.13	29.333	0.00	1.54	7.853	O	|	|	|	|	13.44
24.250	0.00	1.58	8.507	O	|	|	|	|	14.12	29.417	0.00	1.54	7.842	O	|	|	|	|	13.43
24.333	0.00	1.58	8.496	O	|	|	|	|	14.11	29.500	0.00	1.54	7.832	O	|	|	|	|	13.42
24.417	0.00	1.57	8.485	O	|	|	|	|	14.10	29.583	0.00	1.53	7.821	O	|	|	|	|	13.41
24.500	0.00	1.57	8.475	O	|	|	|	|	14.09	29.667	0.00	1.53	7.811	O	|	|	|	|	13.40
24.583	0.00	1.57	8.464	O	|	|	|	|	14.07	29.750	0.00	1.53	7.800	O	|	|	|	|	13.39
24.667	0.00	1.57	8.453	O	|	|	|	|	14.06	29.833	0.00	1.53	7.790	O	|	|	|	|	13.38
24.750	0.00	1.57	8.442	O	|	|	|	|	14.05	29.917	0.00	1.53	7.779	O	|	|	|	|	13.37
24.833	0.00	1.57	8.431	O	|	|	|	|	14.04	30.000	0.00	1.53	7.769	O	|	|	|	|	13.36
24.917	0.00	1.57	8.420	O	|	|	|	|	14.03	30.083	0.00	1.53	7.758	O	|	|	|	|	13.34
25.000	0.00	1.57	8.410	O	|	|	|	|	14.02	30.167	0.00	1.53	7.747	O	|	|	|	|	13.33
25.083	0.00	1.57	8.399	O	|	|	|	|	14.01	30.250	0.00	1.53	7.737	O	|	|	|	|	13.32
25.167	0.00	1.57	8.388	O	|	|	|	|	14.00	30.333	0.00	1.53	7.726	O	|	|	|	|	13.31
25.250	0.00	1.57	8.377	O	|	|	|	|	13.99	30.417	0.00	1.53	7.716	O	|	|	|	|	13.30
25.333	0.00	1.57	8.366	O	|	|	|	|	13.98	30.500	0.00	1.53	7.705	O	|	|	|	|	13.29
25.417	0.00	1.57	8.355	O	|	|	|	|	13.97	30.583	0.00	1.53	7.695	O	|	|	|	|	13.28
25.500	0.00	1.57	8.345	O	|	|	|	|	13.96	30.667	0.00	1.53	7.684	O	|	|	|	|	13.27
25.583	0.00	1.57	8.334	O	|	|	|	|	13.94	30.750	0.00	1.53	7.674	O	|	|	|	|	13.26
25.667	0.00	1.57	8.323	O	|	|	|	|	13.93	30.833	0.00	1.52	7.663	O	|	|	|	|	13.25
25.750	0.00	1.57	8.312	O	|	|	|	|	13.92	30.917	0.00	1.52	7.653	O	|	|	|	|	13.24
25.833	0.00	1.56	8.302	O	|	|	|	|	13.91	31.000	0.00	1.52	7.642	O	|	|	|	|	13.22
25.917	0.00	1.56	8.291	O	|	|	|	|	13.90	31.083	0.00	1.52	7.632	O	|	|	|	|	13.21
26.000	0.00	1.56	8.280	O	|	|	|	|	13.89	31.167	0.00	1.52	7.621	O	|	|	|	|	13.20
26.083	0.00	1.56	8.269	O	|	|	|	|	13.88	31.250	0.00	1.52	7.611	O	|	|	|	|	13.19
26.167	0.00	1.56	8.258	O	|	|	|	|	13.87	31.333	0.00	1.52	7.600	O	|	|	|	|	13.18
26.250	0.00	1.56	8.248	O	|	|	|	|	13.85	31.417	0.00	1.52	7.590	O	|	|	|	|	13.17
26.333	0.00	1.56	8.237	O	|	|	|	|	13.84	31.500	0.00	1.52	7.579	O	|	|	|	|	13.16
26.417	0.00	1.56	8.226	O	|	|	|	|	13.83	31.583	0.00	1.52	7.569	O	|	|	|	|	13.15
26.500	0.00	1.56	8.215	O	|	|	|	|	13.82	31.667	0.00	1.52	7.558	O	|	|	|	|	13.14
26.583	0.00	1.56	8.205	O	|	|	|	|	13.81	31.750	0.00	1.52	7.548	O	|	|	|	|	13.13
26.667	0.00	1.56	8.194	O	|	|	|	|	13.80	31.833	0.00	1.52	7.538	O	|	|	|	|	13.12
26.750	0.00	1.56	8.183	O	|	|	|	|	13.79	31.917	0.00	1.52	7.527	O	|	|	|	|	13.10
26.833	0.00	1.56	8.173	O	|	|	|	|	13.78	32.000	0.00	1.52	7.517	O	|	|	|	|	13.09
26.917	0.00	1.56	8.162	O	|	|	|	|	13.77	32.083	0.00	1.51	7.506	O	|	|	|	|	13.08
27.000	0.00	1.56	8.151	O	|	|	|	|	13.75	32.167	0.00	1.51	7.496	O	|	|	|	|	13.07
27.083	0.00	1.55	8.140	O	|	|	|	|	13.74	32.250	0.00	1.51	7.485	O	|	|	|	|	13.06
27.167	0.00	1.55	8.130	O	|	|	|	|	13.73	32.333	0.00	1.51	7.475	O	|	|	|	|	13.05
27.250	0.00	1.55	8.119	O	|	|	|	|	13.72	32.417	0.00	1.51	7.465	O	|	|	|	|	13.04
27.333	0.00	1.55	8.108	O	|	|	|	|	13.71	32.500	0.00	1.51	7.454	O	|	|	|	|	13.03
27.417	0.00	1.55	8.098	O	|	|	|	|	13.70	32.583	0.00	1.51	7.444	O	|	|	|	|	13.02
27.500	0.00	1.55	8.087	O	|	|	|	|	13.69	32.667	0.00	1.51	7.433	O	|	|	|	|	13.01
27.583	0.00	1.55	8.076	O	|	|	|	|	13.68	32.750	0.00	1.51	7.423	O	|	|	|	|	13.00
27.667	0.00	1.55	8.066	O	|	|	|	|	13.67	32.833	0.00	1.51	7.413	O	|	|	|	|	12.98
27.750	0.00	1.55	8.055	O	|	|	|	|	13.65	32.917	0.00	1.51	7.402	O	|	|	|	|	12.97
27.833	0.00	1.55	8.044	O	|	|	|	|	13.64	33.000	0.00	1.51	7.392	O	|	|	|	|	12.96
27.917	0.00	1.55	8.034	O	|	|	|	|	13.63	33.083	0.00	1.51	7.381	O	|	|	|	|	12.95
28.000	0.00	1.55	8.023	O	|	|	|	|	13.62	33.167	0.00	1.51	7.371	O	|	|	|	|	12.94
28.083	0.00	1.55	8.012	O	|	|	|	|	13.61	33.250	0.00	1.51	7.361	O	|	|	|	|	12.93
28.167	0.00	1.55	8.002	O	|	|	|	|	13.60	33.333	0.00	1.50	7.350	O	|	|	|	|	12.91
28.250	0.00	1.55	7.991	O	|	|	|	|	13.59	33.417	0.00	1.50	7.340	O	|	|	|	|	12.90
28.333	0.00	1.54	7.980	O	|	|	|	|	13.58	33.500	0.00	1.50	7.330	O	|	|	|	|	12.89
28.417	0.00	1.54	7.970	O	|	|	|	|	13.57	33.583	0.00	1.50	7.319	O	|	|	|	|	12.88
28.500	0.00	1.54	7.959	O	|	|	|	|	13.55	33.667	0.00	1.50	7.309	O	|	|	|	|	12.87
28.583	0.00	1.54	7.948	O	|	|	|	|	13.54	33.750	0.00	1.50	7.299	O	|	|	|	|	12.86
28.667	0.00	1.54	7.938	O	|	|	|	|	13.53	33.833	0.00	1.50	7.288	O	|	|	|	|	12.85
28.750	0.00	1.54	7.927	O	|	|	|	|	13.52	33.917	0.00	1.50	7.278	O	|	|	|	|	12.83
28.833	0.00	1.54	7.917	O	|	|	|	|	13.51	34.000	0.00	1.50	7.268	O	|	|	|	|	12.82
28.917	0.00	1.54	7.906	O	|	|	|	|	13.50	34.083	0.00	1.50	7.257	O	|	|	|	|	12.81

34.167	0.00	1.50	7.247	O	|	|	|	|	12.80	39.333	0.00	1.46	6.616	O	|	|	|	|	12.10
34.250	0.00	1.50	7.237	O	|	|	|	|	12.79	39.417	0.00	1.46	6.606	O	|	|	|	|	12.09
34.333	0.00	1.50	7.226	O	|	|	|	|	12.78	39.500	0.00	1.45	6.596	O	|	|	|	|	12.08
34.417	0.00	1.50	7.216	O	|	|	|	|	12.77	39.583	0.00	1.45	6.586	O	|	|	|	|	12.06
34.500	0.00	1.50	7.206	O	|	|	|	|	12.75	39.667	0.00	1.45	6.576	O	|	|	|	|	12.05
34.583	0.00	1.49	7.195	O	|	|	|	|	12.74	39.750	0.00	1.45	6.566	O	|	|	|	|	12.04
34.667	0.00	1.49	7.185	O	|	|	|	|	12.73	39.833	0.00	1.45	6.556	O	|	|	|	|	12.03
34.750	0.00	1.49	7.175	O	|	|	|	|	12.72	39.917	0.00	1.45	6.546	O	|	|	|	|	12.02
34.833	0.00	1.49	7.164	O	|	|	|	|	12.71	40.000	0.00	1.45	6.536	O	|	|	|	|	12.01
34.917	0.00	1.49	7.154	O	|	|	|	|	12.70	40.083	0.00	1.45	6.526	O	|	|	|	|	12.00
35.000	0.00	1.49	7.144	O	|	|	|	|	12.69	40.167	0.00	1.45	6.516	O	|	|	|	|	11.99
35.083	0.00	1.49	7.134	O	|	|	|	|	12.67	40.250	0.00	1.45	6.506	O	|	|	|	|	11.97
35.167	0.00	1.49	7.123	O	|	|	|	|	12.66	40.333	0.00	1.45	6.496	O	|	|	|	|	11.96
35.250	0.00	1.49	7.113	O	|	|	|	|	12.65	40.417	0.00	1.45	6.486	O	|	|	|	|	11.95
35.333	0.00	1.49	7.103	O	|	|	|	|	12.64	40.500	0.00	1.45	6.476	O	|	|	|	|	11.94
35.417	0.00	1.49	7.093	O	|	|	|	|	12.63	40.583	0.00	1.45	6.466	O	|	|	|	|	11.93
35.500	0.00	1.49	7.082	O	|	|	|	|	12.62	40.667	0.00	1.44	6.456	O	|	|	|	|	11.91
35.583	0.00	1.49	7.072	O	|	|	|	|	12.61	40.750	0.00	1.44	6.446	O	|	|	|	|	11.90
35.667	0.00	1.49	7.062	O	|	|	|	|	12.59	40.833	0.00	1.44	6.437	O	|	|	|	|	11.89
35.750	0.00	1.48	7.052	O	|	|	|	|	12.58	40.917	0.00	1.44	6.427	O	|	|	|	|	11.88
35.833	0.00	1.48	7.041	O	|	|	|	|	12.57	41.000	0.00	1.44	6.417	O	|	|	|	|	11.87
35.917	0.00	1.48	7.031	O	|	|	|	|	12.56	41.083	0.00	1.44	6.407	O	|	|	|	|	11.86
36.000	0.00	1.48	7.021	O	|	|	|	|	12.55	41.167	0.00	1.44	6.397	O	|	|	|	|	11.84
36.083	0.00	1.48	7.011	O	|	|	|	|	12.54	41.250	0.00	1.44	6.387	O	|	|	|	|	11.83
36.167	0.00	1.48	7.001	O	|	|	|	|	12.53	41.333	0.00	1.44	6.377	O	|	|	|	|	11.82
36.250	0.00	1.48	6.990	O	|	|	|	|	12.51	41.417	0.00	1.44	6.367	O	|	|	|	|	11.81
36.333	0.00	1.48	6.980	O	|	|	|	|	12.50	41.500	0.00	1.44	6.357	O	|	|	|	|	11.80
36.417	0.00	1.48	6.970	O	|	|	|	|	12.49	41.583	0.00	1.44	6.347	O	|	|	|	|	11.78
36.500	0.00	1.48	6.960	O	|	|	|	|	12.48	41.667	0.00	1.44	6.337	O	|	|	|	|	11.77
36.583	0.00	1.48	6.950	O	|	|	|	|	12.47	41.750	0.00	1.44	6.327	O	|	|	|	|	11.76
36.667	0.00	1.48	6.939	O	|	|	|	|	12.46	41.833	0.00	1.43	6.318	O	|	|	|	|	11.75
36.750	0.00	1.48	6.929	O	|	|	|	|	12.45	41.917	0.00	1.43	6.308	O	|	|	|	|	11.74
36.833	0.00	1.48	6.919	O	|	|	|	|	12.44	42.000	0.00	1.43	6.298	O	|	|	|	|	11.73
36.917	0.00	1.48	6.909	O	|	|	|	|	12.42	42.083	0.00	1.43	6.288	O	|	|	|	|	11.71
37.000	0.00	1.47	6.899	O	|	|	|	|	12.41	42.167	0.00	1.43	6.278	O	|	|	|	|	11.70
37.083	0.00	1.47	6.889	O	|	|	|	|	12.40	42.250	0.00	1.43	6.268	O	|	|	|	|	11.69
37.167	0.00	1.47	6.879	O	|	|	|	|	12.39	42.333	0.00	1.43	6.258	O	|	|	|	|	11.68
37.250	0.00	1.47	6.868	O	|	|	|	|	12.38	42.417	0.00	1.43	6.249	O	|	|	|	|	11.67
37.333	0.00	1.47	6.858	O	|	|	|	|	12.37	42.500	0.00	1.43	6.239	O	|	|	|	|	11.66
37.417	0.00	1.47	6.848	O	|	|	|	|	12.36	42.583	0.00	1.43	6.229	O	|	|	|	|	11.64
37.500	0.00	1.47	6.838	O	|	|	|	|	12.34	42.667	0.00	1.43	6.219	O	|	|	|	|	11.63
37.583	0.00	1.47	6.828	O	|	|	|	|	12.33	42.750	0.00	1.43	6.209	O	|	|	|	|	11.62
37.667	0.00	1.47	6.818	O	|	|	|	|	12.32	42.833	0.00	1.43	6.199	O	|	|	|	|	11.61
37.750	0.00	1.47	6.808	O	|	|	|	|	12.31	42.917	0.00	1.43	6.190	O	|	|	|	|	11.60
37.833	0.00	1.47	6.798	O	|	|	|	|	12.30	43.000	0.00	1.43	6.180	O	|	|	|	|	11.58
37.917	0.00	1.47	6.787	O	|	|	|	|	12.29	43.083	0.00	1.42	6.170	O	|	|	|	|	11.57
38.000	0.00	1.47	6.777	O	|	|	|	|	12.28	43.167	0.00	1.42	6.160	O	|	|	|	|	11.56
38.083	0.00	1.47	6.767	O	|	|	|	|	12.27	43.250	0.00	1.42	6.150	O	|	|	|	|	11.55
38.167	0.00	1.47	6.757	O	|	|	|	|	12.25	43.333	0.00	1.42	6.141	O	|	|	|	|	11.54
38.250	0.00	1.46	6.747	O	|	|	|	|	12.24	43.417	0.00	1.42	6.131	O	|	|	|	|	11.53
38.333	0.00	1.46	6.737	O	|	|	|	|	12.23	43.500	0.00	1.42	6.121	O	|	|	|	|	11.51
38.417	0.00	1.46	6.727	O	|	|	|	|	12.22	43.583	0.00	1.42	6.111	O	|	|	|	|	11.50
38.500	0.00	1.46	6.717	O	|	|	|	|	12.21	43.667	0.00	1.42	6.101	O	|	|	|	|	11.49
38.583	0.00	1.46	6.707	O	|	|	|	|	12.20	43.750	0.00	1.42	6.092	O	|	|	|	|	11.48
38.667	0.00	1.46	6.697	O	|	|	|	|	12.19	43.833	0.00	1.42	6.082	O	|	|	|	|	11.47
38.750	0.00	1.46	6.687	O	|	|	|	|	12.18	43.917	0.00	1.42	6.072	O	|	|	|	|	11.46
38.833	0.00	1.46	6.677	O	|	|	|	|	12.17	44.000	0.00	1.42	6.062	O	|	|	|	|	11.44
38.917	0.00	1.46	6.666	O	|	|	|	|	12.15	44.083	0.00	1.42	6.053	O	|	|	|	|	11.43
39.000	0.00	1.46	6.656	O	|	|	|	|	12.14	44.167	0.00	1.42	6.043	O	|	|	|	|	11.42
39.083	0.00	1.46	6.646	O	|	|	|	|	12.13	44.250	0.00	1.41	6.033	O	|	|	|	|	11.41
39.167	0.00	1.46	6.636	O	|	|	|	|	12.12	44.333	0.00	1.41	6.023	O	|	|	|	|	11.40
39.250	0.00	1.46	6.626	O	|	|	|	|	12.11	44.417	0.00	1.41	6.014	O	|	|	|	|	11.39

44.500	0.00	1.41	6.004	O	|	|	|	|	11.38	49.667	0.00	1.36	5.410	O	|	|	|	|	10.63
44.583	0.00	1.41	5.994	O	|	|	|	|	11.36	49.750	0.00	1.36	5.401	O	|	|	|	|	10.62
44.667	0.00	1.41	5.984	O	|	|	|	|	11.35	49.833	0.00	1.36	5.392	O	|	|	|	|	10.60
44.750	0.00	1.41	5.975	O	|	|	|	|	11.34	49.917	0.00	1.36	5.382	O	|	|	|	|	10.59
44.833	0.00	1.41	5.965	O	|	|	|	|	11.33	50.000	0.00	1.36	5.373	O	|	|	|	|	10.58
44.917	0.00	1.41	5.955	O	|	|	|	|	11.32	50.083	0.00	1.36	5.364	O	|	|	|	|	10.57
45.000	0.00	1.41	5.946	O	|	|	|	|	11.31	50.167	0.00	1.36	5.354	O	|	|	|	|	10.56
45.083	0.00	1.41	5.936	O	|	|	|	|	11.29	50.250	0.00	1.36	5.345	O	|	|	|	|	10.54
45.167	0.00	1.41	5.926	O	|	|	|	|	11.28	50.333	0.00	1.36	5.335	O	|	|	|	|	10.53
45.250	0.00	1.41	5.916	O	|	|	|	|	11.27	50.417	0.00	1.36	5.326	O	|	|	|	|	10.52
45.333	0.00	1.41	5.907	O	|	|	|	|	11.26	50.500	0.00	1.36	5.317	O	|	|	|	|	10.51
45.417	0.00	1.40	5.897	O	|	|	|	|	11.25	50.583	0.00	1.35	5.307	O	|	|	|	|	10.49
45.500	0.00	1.40	5.887	O	|	|	|	|	11.24	50.667	0.00	1.35	5.298	O	|	|	|	|	10.48
45.583	0.00	1.40	5.878	O	|	|	|	|	11.23	50.750	0.00	1.35	5.289	O	|	|	|	|	10.47
45.667	0.00	1.40	5.868	O	|	|	|	|	11.21	50.833	0.00	1.35	5.279	O	|	|	|	|	10.46
45.750	0.00	1.40	5.858	O	|	|	|	|	11.20	50.917	0.00	1.35	5.270	O	|	|	|	|	10.44
45.833	0.00	1.40	5.849	O	|	|	|	|	11.19	51.000	0.00	1.35	5.261	O	|	|	|	|	10.43
45.917	0.00	1.40	5.839	O	|	|	|	|	11.18	51.083	0.00	1.35	5.252	O	|	|	|	|	10.42
46.000	0.00	1.40	5.830	O	|	|	|	|	11.17	51.167	0.00	1.35	5.242	O	|	|	|	|	10.41
46.083	0.00	1.40	5.820	O	|	|	|	|	11.16	51.250	0.00	1.35	5.233	O	|	|	|	|	10.39
46.167	0.00	1.40	5.810	O	|	|	|	|	11.14	51.333	0.00	1.35	5.224	O	|	|	|	|	10.38
46.250	0.00	1.40	5.801	O	|	|	|	|	11.13	51.417	0.00	1.35	5.214	O	|	|	|	|	10.37
46.333	0.00	1.40	5.791	O	|	|	|	|	11.12	51.500	0.00	1.34	5.205	O	|	|	|	|	10.36
46.417	0.00	1.40	5.781	O	|	|	|	|	11.11	51.583	0.00	1.34	5.196	O	|	|	|	|	10.34
46.500	0.00	1.40	5.772	O	|	|	|	|	11.10	51.667	0.00	1.34	5.187	O	|	|	|	|	10.33
46.583	0.00	1.40	5.762	O	|	|	|	|	11.09	51.750	0.00	1.34	5.177	O	|	|	|	|	10.32
46.667	0.00	1.39	5.753	O	|	|	|	|	11.08	51.833	0.00	1.34	5.168	O	|	|	|	|	10.31
46.750	0.00	1.39	5.743	O	|	|	|	|	11.06	51.917	0.00	1.34	5.159	O	|	|	|	|	10.30
46.833	0.00	1.39	5.733	O	|	|	|	|	11.05	52.000	0.00	1.34	5.150	O	|	|	|	|	10.28
46.917	0.00	1.39	5.724	O	|	|	|	|	11.04	52.083	0.00	1.34	5.140	O	|	|	|	|	10.27
47.000	0.00	1.39	5.714	O	|	|	|	|	11.03	52.167	0.00	1.34	5.131	O	|	|	|	|	10.26
47.083	0.00	1.39	5.705	O	|	|	|	|	11.02	52.250	0.00	1.34	5.122	O	|	|	|	|	10.25
47.167	0.00	1.39	5.695	O	|	|	|	|	11.01	52.333	0.00	1.34	5.113	O	|	|	|	|	10.23
47.250	0.00	1.39	5.685	O	|	|	|	|	11.00	52.417	0.00	1.34	5.104	O	|	|	|	|	10.22
47.333	0.00	1.39	5.676	O	|	|	|	|	10.98	52.500	0.00	1.33	5.094	O	|	|	|	|	10.21
47.417	0.00	1.39	5.666	O	|	|	|	|	10.97	52.583	0.00	1.33	5.085	O	|	|	|	|	10.20
47.500	0.00	1.39	5.657	O	|	|	|	|	10.96	52.667	0.00	1.33	5.076	O	|	|	|	|	10.19
47.583	0.00	1.39	5.647	O	|	|	|	|	10.94	52.750	0.00	1.33	5.067	O	|	|	|	|	10.17
47.667	0.00	1.39	5.638	O	|	|	|	|	10.93	52.833	0.00	1.33	5.058	O	|	|	|	|	10.16
47.750	0.00	1.38	5.628	O	|	|	|	|	10.92	52.917	0.00	1.33	5.049	O	|	|	|	|	10.15
47.833	0.00	1.38	5.619	O	|	|	|	|	10.91	53.000	0.00	1.33	5.039	O	|	|	|	|	10.14
47.917	0.00	1.38	5.609	O	|	|	|	|	10.89	53.083	0.00	1.33	5.030	O	|	|	|	|	10.12
48.000	0.00	1.38	5.600	O	|	|	|	|	10.88	53.167	0.00	1.33	5.021	O	|	|	|	|	10.11
48.083	0.00	1.38	5.590	O	|	|	|	|	10.87	53.250	0.00	1.33	5.012	O	|	|	|	|	10.10
48.167	0.00	1.38	5.581	O	|	|	|	|	10.86	53.333	0.00	1.33	5.003	O	|	|	|	|	10.09
48.250	0.00	1.38	5.571	O	|	|	|	|	10.84	53.417	0.00	1.33	4.994	O	|	|	|	|	10.08
48.333	0.00	1.38	5.562	O	|	|	|	|	10.83	53.500	0.00	1.32	4.985	O	|	|	|	|	10.06
48.417	0.00	1.38	5.552	O	|	|	|	|	10.82	53.583	0.00	1.32	4.975	O	|	|	|	|	10.05
48.500	0.00	1.38	5.543	O	|	|	|	|	10.81	53.667	0.00	1.32	4.966	O	|	|	|	|	10.04
48.583	0.00	1.38	5.533	O	|	|	|	|	10.79	53.750	0.00	1.32	4.957	O	|	|	|	|	10.03
48.667	0.00	1.37	5.524	O	|	|	|	|	10.78	53.833	0.00	1.32	4.948	O	|	|	|	|	10.02
48.750	0.00	1.37	5.514	O	|	|	|	|	10.77	53.917	0.00	1.32	4.939	O	|	|	|	|	10.00
48.833	0.00	1.37	5.505	O	|	|	|	|	10.76	54.000	0.00	1.32	4.930	O	|	|	|	|	9.99
48.917	0.00	1.37	5.495	O	|	|	|	|	10.74	54.083	0.00	1.32	4.921	O	|	|	|	|	9.98
49.000	0.00	1.37	5.486	O	|	|	|	|	10.73	54.167	0.00	1.32	4.912	O	|	|	|	|	9.97
49.083	0.00	1.37	5.476	O	|	|	|	|	10.72	54.250	0.00	1.32	4.903	O	|	|	|	|	9.96
49.167	0.00	1.37	5.467	O	|	|	|	|	10.70	54.333	0.00	1.32	4.894	O	|	|	|	|	9.94
49.250	0.00	1.37	5.457	O	|	|	|	|	10.69	54.417	0.00	1.32	4.885	O	|	|	|	|	9.93
49.333	0.00	1.37	5.448	O	|	|	|	|	10.68	54.500	0.00	1.31	4.876	O	|	|	|	|	9.92
49.417	0.00	1.37	5.439	O	|	|	|	|	10.67	54.583	0.00	1.31	4.866	O	|	|	|	|	9.91
49.500	0.00	1.37	5.429	O	|	|	|	|	10.65	54.667	0.00	1.31	4.857	O	|	|	|	|	9.89
49.583	0.00	1.36	5.420	O	|	|	|	|	10.64	54.750	0.00	1.31	4.848	O	|	|	|	|	9.88

54.833	0.00	1.31	4.839	O	|	|	|	|	9.87	60.000	0.00	1.26	4.291	O	|	|	|	|	9.14
54.917	0.00	1.31	4.830	O	|	|	|	|	9.86	60.083	0.00	1.26	4.282	O	|	|	|	|	9.13
55.000	0.00	1.31	4.821	O	|	|	|	|	9.85	60.167	0.00	1.26	4.273	O	|	|	|	|	9.12
55.083	0.00	1.31	4.812	O	|	|	|	|	9.83	60.250	0.00	1.26	4.265	O	|	|	|	|	9.11
55.167	0.00	1.31	4.803	O	|	|	|	|	9.82	60.333	0.00	1.26	4.256	O	|	|	|	|	9.10
55.250	0.00	1.31	4.794	O	|	|	|	|	9.81	60.417	0.00	1.26	4.247	O	|	|	|	|	9.08
55.333	0.00	1.31	4.785	O	|	|	|	|	9.80	60.500	0.00	1.26	4.239	O	|	|	|	|	9.07
55.417	0.00	1.31	4.776	O	|	|	|	|	9.79	60.583	0.00	1.25	4.230	O	|	|	|	|	9.06
55.500	0.00	1.30	4.767	O	|	|	|	|	9.78	60.667	0.00	1.25	4.221	O	|	|	|	|	9.05
55.583	0.00	1.30	4.758	O	|	|	|	|	9.76	60.750	0.00	1.25	4.213	O	|	|	|	|	9.04
55.667	0.00	1.30	4.749	O	|	|	|	|	9.75	60.833	0.00	1.25	4.204	O	|	|	|	|	9.03
55.750	0.00	1.30	4.740	O	|	|	|	|	9.74	60.917	0.00	1.25	4.195	O	|	|	|	|	9.02
55.833	0.00	1.30	4.731	O	|	|	|	|	9.73	61.000	0.00	1.25	4.187	O	|	|	|	|	9.00
55.917	0.00	1.30	4.722	O	|	|	|	|	9.72	61.083	0.00	1.25	4.178	O	|	|	|	|	8.99
56.000	0.00	1.30	4.714	O	|	|	|	|	9.70	61.167	0.00	1.25	4.170	O	|	|	|	|	8.98
56.083	0.00	1.30	4.705	O	|	|	|	|	9.69	61.250	0.00	1.25	4.161	O	|	|	|	|	8.96
56.167	0.00	1.30	4.696	O	|	|	|	|	9.68	61.333	0.00	1.25	4.152	O	|	|	|	|	8.95
56.250	0.00	1.30	4.687	O	|	|	|	|	9.67	61.417	0.00	1.25	4.144	O	|	|	|	|	8.94
56.333	0.00	1.30	4.678	O	|	|	|	|	9.66	61.500	0.00	1.24	4.135	O	|	|	|	|	8.92
56.417	0.00	1.30	4.669	O	|	|	|	|	9.64	61.583	0.00	1.24	4.127	O	|	|	|	|	8.91
56.500	0.00	1.29	4.660	O	|	|	|	|	9.63	61.667	0.00	1.24	4.118	O	|	|	|	|	8.90
56.583	0.00	1.29	4.651	O	|	|	|	|	9.62	61.750	0.00	1.24	4.110	O	|	|	|	|	8.88
56.667	0.00	1.29	4.642	O	|	|	|	|	9.61	61.833	0.00	1.24	4.101	O	|	|	|	|	8.87
56.750	0.00	1.29	4.633	O	|	|	|	|	9.60	61.917	0.00	1.24	4.093	O	|	|	|	|	8.86
56.833	0.00	1.29	4.624	O	|	|	|	|	9.59	62.000	0.00	1.24	4.084	O	|	|	|	|	8.84
56.917	0.00	1.29	4.615	O	|	|	|	|	9.57	62.083	0.00	1.24	4.075	O	|	|	|	|	8.83
57.000	0.00	1.29	4.607	O	|	|	|	|	9.56	62.167	0.00	1.24	4.067	O	|	|	|	|	8.82
57.083	0.00	1.29	4.598	O	|	|	|	|	9.55	62.250	0.00	1.24	4.058	O	|	|	|	|	8.80
57.167	0.00	1.29	4.589	O	|	|	|	|	9.54	62.333	0.00	1.24	4.050	O	|	|	|	|	8.79
57.250	0.00	1.29	4.580	O	|	|	|	|	9.53	62.417	0.00	1.23	4.041	O	|	|	|	|	8.78
57.333	0.00	1.29	4.571	O	|	|	|	|	9.51	62.500	0.00	1.23	4.033	O	|	|	|	|	8.76
57.417	0.00	1.29	4.562	O	|	|	|	|	9.50	62.583	0.00	1.23	4.024	O	|	|	|	|	8.75
57.500	0.00	1.28	4.553	O	|	|	|	|	9.49	62.667	0.00	1.23	4.016	O	|	|	|	|	8.74
57.583	0.00	1.28	4.545	O	|	|	|	|	9.48	62.750	0.00	1.23	4.007	O	|	|	|	|	8.72
57.667	0.00	1.28	4.536	O	|	|	|	|	9.47	62.833	0.00	1.23	3.999	O	|	|	|	|	8.71
57.750	0.00	1.28	4.527	O	|	|	|	|	9.46	62.917	0.00	1.23	3.991	O	|	|	|	|	8.70
57.833	0.00	1.28	4.518	O	|	|	|	|	9.44	63.000	0.00	1.23	3.982	O	|	|	|	|	8.68
57.917	0.00	1.28	4.509	O	|	|	|	|	9.43	63.083	0.00	1.23	3.974	O	|	|	|	|	8.67
58.000	0.00	1.28	4.500	O	|	|	|	|	9.42	63.167	0.00	1.23	3.965	O	|	|	|	|	8.66
58.083	0.00	1.28	4.492	O	|	|	|	|	9.41	63.250	0.00	1.23	3.957	O	|	|	|	|	8.64
58.167	0.00	1.28	4.483	O	|	|	|	|	9.40	63.333	0.00	1.22	3.948	O	|	|	|	|	8.63
58.250	0.00	1.28	4.474	O	|	|	|	|	9.39	63.417	0.00	1.22	3.940	O	|	|	|	|	8.62
58.333	0.00	1.28	4.465	O	|	|	|	|	9.37	63.500	0.00	1.22	3.931	O	|	|	|	|	8.60
58.417	0.00	1.28	4.456	O	|	|	|	|	9.36	63.583	0.00	1.22	3.923	O	|	|	|	|	8.59
58.500	0.00	1.27	4.448	O	|	|	|	|	9.35	63.667	0.00	1.22	3.915	O	|	|	|	|	8.58
58.583	0.00	1.27	4.439	O	|	|	|	|	9.34	63.750	0.00	1.22	3.906	O	|	|	|	|	8.56
58.667	0.00	1.27	4.430	O	|	|	|	|	9.33	63.833	0.00	1.22	3.898	O	|	|	|	|	8.55
58.750	0.00	1.27	4.421	O	|	|	|	|	9.32	63.917	0.00	1.22	3.889	O	|	|	|	|	8.54
58.833	0.00	1.27	4.413	O	|	|	|	|	9.30	64.000	0.00	1.22	3.881	O	|	|	|	|	8.53
58.917	0.00	1.27	4.404	O	|	|	|	|	9.29	64.083	0.00	1.22	3.873	O	|	|	|	|	8.51
59.000	0.00	1.27	4.395	O	|	|	|	|	9.28	64.167	0.00	1.21	3.864	O	|	|	|	|	8.50
59.083	0.00	1.27	4.386	O	|	|	|	|	9.27	64.250	0.00	1.21	3.856	O	|	|	|	|	8.49
59.167	0.00	1.27	4.378	O	|	|	|	|	9.26	64.333	0.00	1.21	3.848	O	|	|	|	|	8.47
59.250	0.00	1.27	4.369	O	|	|	|	|	9.25	64.417	0.00	1.21	3.839	O	|	|	|	|	8.46
59.333	0.00	1.27	4.360	O	|	|	|	|	9.23	64.500	0.00	1.21	3.831	O	|	|	|	|	8.45
59.417	0.00	1.27	4.351	O	|	|	|	|	9.22	64.583	0.00	1.21	3.823	O	|	|	|	|	8.43
59.500	0.00	1.26	4.343	O	|	|	|	|	9.21	64.667	0.00	1.21	3.814	O	|	|	|	|	8.42
59.583	0.00	1.26	4.334	O	|	|	|	|	9.20	64.750	0.00	1.21	3.806	O	|	|	|	|	8.41
59.667	0.00	1.26	4.325	O	|	|	|	|	9.19	64.833	0.00	1.21	3.798	O	|	|	|	|	8.39
59.750	0.00	1.26	4.317	O	|	|	|	|	9.18	64.917	0.00	1.21	3.789	O	|	|	|	|	8.38
59.833	0.00	1.26	4.308	O	|	|	|	|	9.16	65.000	0.00	1.21	3.781	O	|	|	|	|	8.37
59.917	0.00	1.26	4.299	O	|	|	|	|	9.15	65.083	0.00	1.20	3.773	O	|	|	|	|	8.36

65.167	0.00	1.20	3.764	O					8.34	70.333	0.00	1.15	3.262	O					7.56
65.250	0.00	1.20	3.756	O					8.33	70.417	0.00	1.15	3.254	O					7.54
65.333	0.00	1.20	3.748	O					8.32	70.500	0.00	1.15	3.246	O					7.53
65.417	0.00	1.20	3.739	O					8.30	70.583	0.00	1.15	3.238	O					7.52
65.500	0.00	1.20	3.731	O					8.29	70.667	0.00	1.15	3.230	O					7.51
65.583	0.00	1.20	3.723	O					8.28	70.750	0.00	1.14	3.223	O					7.49
65.667	0.00	1.20	3.715	O					8.26	70.833	0.00	1.14	3.215	O					7.48
65.750	0.00	1.20	3.706	O					8.25	70.917	0.00	1.14	3.207	O					7.47
65.833	0.00	1.20	3.698	O					8.24	71.000	0.00	1.14	3.199	O					7.46
65.917	0.00	1.20	3.690	O					8.23	71.083	0.00	1.14	3.191	O					7.44
66.000	0.00	1.19	3.682	O					8.21	71.167	0.00	1.14	3.183	O					7.43
66.083	0.00	1.19	3.673	O					8.20	71.250	0.00	1.14	3.175	O					7.42
66.167	0.00	1.19	3.665	O					8.19	71.333	0.00	1.14	3.168	O					7.41
66.250	0.00	1.19	3.657	O					8.17	71.417	0.00	1.14	3.160	O					7.40
66.333	0.00	1.19	3.649	O					8.16	71.500	0.00	1.14	3.152	O					7.38
66.417	0.00	1.19	3.641	O					8.15	71.583	0.00	1.14	3.144	O					7.37
66.500	0.00	1.19	3.632	O					8.14	71.667	0.00	1.14	3.136	O					7.36
66.583	0.00	1.19	3.624	O					8.12	71.750	0.00	1.13	3.128	O					7.35
66.667	0.00	1.19	3.616	O					8.11	71.833	0.00	1.13	3.121	O					7.33
66.750	0.00	1.19	3.608	O					8.10	71.917	0.00	1.13	3.113	O					7.32
66.833	0.00	1.19	3.600	O					8.08	72.000	0.00	1.13	3.105	O					7.31
66.917	0.00	1.19	3.592	O					8.07	72.083	0.00	1.13	3.097	O					7.30
67.000	0.00	1.18	3.583	O					8.06	72.167	0.00	1.13	3.089	O					7.29
67.083	0.00	1.18	3.575	O					8.05	72.250	0.00	1.13	3.082	O					7.27
67.167	0.00	1.18	3.567	O					8.03	72.333	0.00	1.13	3.074	O					7.26
67.250	0.00	1.18	3.559	O					8.02	72.417	0.00	1.13	3.066	O					7.25
67.333	0.00	1.18	3.551	O					8.01	72.500	0.00	1.13	3.058	O					7.24
67.417	0.00	1.18	3.543	O					8.00	72.583	0.00	1.13	3.051	O					7.22
67.500	0.00	1.18	3.535	O					7.98	72.667	0.00	1.12	3.043	O					7.21
67.583	0.00	1.18	3.526	O					7.97	72.750	0.00	1.12	3.035	O					7.20
67.667	0.00	1.18	3.518	O					7.96	72.833	0.00	1.12	3.027	O					7.19
67.750	0.00	1.18	3.510	O					7.94	72.917	0.00	1.12	3.020	O					7.18
67.833	0.00	1.18	3.502	O					7.93	73.000	0.00	1.12	3.012	O					7.16
67.917	0.00	1.17	3.494	O					7.92	73.083	0.00	1.12	3.004	O					7.15
68.000	0.00	1.17	3.486	O					7.91	73.167	0.00	1.12	2.996	O					7.14
68.083	0.00	1.17	3.478	O					7.89	73.250	0.00	1.12	2.989	O					7.13
68.167	0.00	1.17	3.470	O					7.88	73.333	0.00	1.12	2.981	O					7.12
68.250	0.00	1.17	3.462	O					7.87	73.417	0.00	1.12	2.973	O					7.10
68.333	0.00	1.17	3.454	O					7.86	73.500	0.00	1.12	2.966	O					7.09
68.417	0.00	1.17	3.446	O					7.84	73.583	0.00	1.12	2.958	O					7.08
68.500	0.00	1.17	3.438	O					7.83	73.667	0.00	1.11	2.950	O					7.07
68.583	0.00	1.17	3.430	O					7.82	73.750	0.00	1.11	2.943	O					7.06
68.667	0.00	1.17	3.422	O					7.81	73.833	0.00	1.11	2.935	O					7.04
68.750	0.00	1.17	3.413	O					7.79	73.917	0.00	1.11	2.927	O					7.03
68.833	0.00	1.16	3.405	O					7.78	74.000	0.00	1.11	2.920	O					7.02
68.917	0.00	1.16	3.397	O					7.77	74.083	0.00	1.11	2.912	O					7.01
69.000	0.00	1.16	3.389	O					7.76	74.167	0.00	1.11	2.904	O					7.00
69.083	0.00	1.16	3.381	O					7.74	74.250	0.00	1.11	2.897	O					6.98
69.167	0.00	1.16	3.373	O					7.73	74.333	0.00	1.11	2.889	O					6.97
69.250	0.00	1.16	3.365	O					7.72	74.417	0.00	1.11	2.881	O					6.95
69.333	0.00	1.16	3.357	O					7.71	74.500	0.00	1.10	2.874	O					6.94
69.417	0.00	1.16	3.349	O					7.69	74.583	0.00	1.10	2.866	O					6.92
69.500	0.00	1.16	3.341	O					7.68	74.667	0.00	1.10	2.859	O					6.91
69.583	0.00	1.16	3.334	O					7.67	74.750	0.00	1.10	2.851	O					6.90
69.667	0.00	1.16	3.326	O					7.66	74.833	0.00	1.10	2.843	O					6.88
69.750	0.00	1.16	3.318	O					7.64	74.917	0.00	1.10	2.836	O					6.87
69.833	0.00	1.15	3.310	O					7.63	75.000	0.00	1.10	2.828	O					6.85
69.917	0.00	1.15	3.302	O					7.62	75.083	0.00	1.10	2.821	O					6.84
70.000	0.00	1.15	3.294	O					7.61	75.167	0.00	1.09	2.813	O					6.82
70.083	0.00	1.15	3.286	O					7.59	75.250	0.00	1.09	2.806	O					6.81
70.167	0.00	1.15	3.278	O					7.58	75.333	0.00	1.09	2.798	O					6.80
70.250	0.00	1.15	3.270	O					7.57	75.417	0.00	1.09	2.791	O					6.78

75.500	0.00	1.09	2.783	O	|	|	|	|	6.77	80.667	0.00	1.01	2.334	O	|	|	|	|	5.93
75.583	0.00	1.09	2.776	O	|	|	|	|	6.75	80.750	0.00	1.01	2.328	O	|	|	|	|	5.91
75.667	0.00	1.09	2.768	O	|	|	|	|	6.74	80.833	0.00	1.01	2.321	O	|	|	|	|	5.90
75.750	0.00	1.09	2.761	O	|	|	|	|	6.73	80.917	0.00	1.01	2.314	O	|	|	|	|	5.89
75.833	0.00	1.08	2.753	O	|	|	|	|	6.71	81.000	0.00	1.01	2.307	O	|	|	|	|	5.88
75.917	0.00	1.08	2.746	O	|	|	|	|	6.70	81.083	0.00	1.01	2.300	O	|	|	|	|	5.86
76.000	0.00	1.08	2.738	O	|	|	|	|	6.68	81.167	0.00	1.01	2.293	O	|	|	|	|	5.85
76.083	0.00	1.08	2.731	O	|	|	|	|	6.67	81.250	0.00	1.01	2.286	O	|	|	|	|	5.84
76.167	0.00	1.08	2.723	O	|	|	|	|	6.66	81.333	0.00	1.00	2.279	O	|	|	|	|	5.82
76.250	0.00	1.08	2.716	O	|	|	|	|	6.64	81.417	0.00	1.00	2.272	O	|	|	|	|	5.81
76.333	0.00	1.08	2.709	O	|	|	|	|	6.63	81.500	0.00	1.00	2.265	O	|	|	|	|	5.80
76.417	0.00	1.08	2.701	O	|	|	|	|	6.61	81.583	0.00	1.00	2.258	O	|	|	|	|	5.78
76.500	0.00	1.07	2.694	O	|	|	|	|	6.60	81.667	0.00	1.00	2.251	O	|	|	|	|	5.77
76.583	0.00	1.07	2.686	O	|	|	|	|	6.59	81.750	0.00	1.00	2.244	O	|	|	|	|	5.76
76.667	0.00	1.07	2.679	O	|	|	|	|	6.57	81.833	0.00	1.00	2.238	O	|	|	|	|	5.75
76.750	0.00	1.07	2.672	O	|	|	|	|	6.56	81.917	0.00	1.00	2.231	O	|	|	|	|	5.73
76.833	0.00	1.07	2.664	O	|	|	|	|	6.55	82.000	0.00	0.99	2.224	O	|	|	|	|	5.72
76.917	0.00	1.07	2.657	O	|	|	|	|	6.53	82.083	0.00	0.99	2.217	O	|	|	|	|	5.71
77.000	0.00	1.07	2.650	O	|	|	|	|	6.52	82.167	0.00	0.99	2.210	O	|	|	|	|	5.70
77.083	0.00	1.07	2.642	O	|	|	|	|	6.50	82.250	0.00	0.99	2.203	O	|	|	|	|	5.68
77.167	0.00	1.06	2.635	O	|	|	|	|	6.49	82.333	0.00	0.99	2.196	O	|	|	|	|	5.67
77.250	0.00	1.06	2.628	O	|	|	|	|	6.48	82.417	0.00	0.99	2.190	O	|	|	|	|	5.66
77.333	0.00	1.06	2.620	O	|	|	|	|	6.46	82.500	0.00	0.99	2.183	O	|	|	|	|	5.64
77.417	0.00	1.06	2.613	O	|	|	|	|	6.45	82.583	0.00	0.99	2.176	O	|	|	|	|	5.63
77.500	0.00	1.06	2.606	O	|	|	|	|	6.44	82.667	0.00	0.99	2.169	O	|	|	|	|	5.62
77.583	0.00	1.06	2.598	O	|	|	|	|	6.42	82.750	0.00	0.98	2.162	O	|	|	|	|	5.61
77.667	0.00	1.06	2.591	O	|	|	|	|	6.41	82.833	0.00	0.98	2.156	O	|	|	|	|	5.59
77.750	0.00	1.06	2.584	O	|	|	|	|	6.39	82.917	0.00	0.98	2.149	O	|	|	|	|	5.58
77.833	0.00	1.05	2.577	O	|	|	|	|	6.38	83.000	0.00	0.98	2.142	O	|	|	|	|	5.57
77.917	0.00	1.05	2.569	O	|	|	|	|	6.37	83.083	0.00	0.98	2.135	O	|	|	|	|	5.56
78.000	0.00	1.05	2.562	O	|	|	|	|	6.35	83.167	0.00	0.98	2.129	O	|	|	|	|	5.54
78.083	0.00	1.05	2.555	O	|	|	|	|	6.34	83.250	0.00	0.98	2.122	O	|	|	|	|	5.53
78.167	0.00	1.05	2.548	O	|	|	|	|	6.33	83.333	0.00	0.98	2.115	O	|	|	|	|	5.52
78.250	0.00	1.05	2.540	O	|	|	|	|	6.31	83.417	0.00	0.98	2.108	O	|	|	|	|	5.50
78.333	0.00	1.05	2.533	O	|	|	|	|	6.30	83.500	0.00	0.97	2.102	O	|	|	|	|	5.49
78.417	0.00	1.05	2.526	O	|	|	|	|	6.29	83.583	0.00	0.97	2.095	O	|	|	|	|	5.48
78.500	0.00	1.04	2.519	O	|	|	|	|	6.27	83.667	0.00	0.97	2.088	O	|	|	|	|	5.47
78.583	0.00	1.04	2.512	O	|	|	|	|	6.26	83.750	0.00	0.97	2.082	O	|	|	|	|	5.45
78.667	0.00	1.04	2.504	O	|	|	|	|	6.25	83.833	0.00	0.97	2.075	O	|	|	|	|	5.44
78.750	0.00	1.04	2.497	O	|	|	|	|	6.23	83.917	0.00	0.97	2.068	O	|	|	|	|	5.43
78.833	0.00	1.04	2.490	O	|	|	|	|	6.22	84.000	0.00	0.97	2.062	O	|	|	|	|	5.42
78.917	0.00	1.04	2.483	O	|	|	|	|	6.21	84.083	0.00	0.97	2.055	O	|	|	|	|	5.40
79.000	0.00	1.04	2.476	O	|	|	|	|	6.19	84.167	0.00	0.97	2.048	O	|	|	|	|	5.39
79.083	0.00	1.04	2.469	O	|	|	|	|	6.18	84.250	0.00	0.96	2.042	O	|	|	|	|	5.38
79.167	0.00	1.03	2.461	O	|	|	|	|	6.17	84.333	0.00	0.96	2.035	O	|	|	|	|	5.37
79.250	0.00	1.03	2.454	O	|	|	|	|	6.15	84.417	0.00	0.96	2.028	O	|	|	|	|	5.35
79.333	0.00	1.03	2.447	O	|	|	|	|	6.14	84.500	0.00	0.96	2.022	O	|	|	|	|	5.34
79.417	0.00	1.03	2.440	O	|	|	|	|	6.13	84.583	0.00	0.96	2.015	O	|	|	|	|	5.33
79.500	0.00	1.03	2.433	O	|	|	|	|	6.11	84.667	0.00	0.96	2.009	O	|	|	|	|	5.32
79.583	0.00	1.03	2.426	O	|	|	|	|	6.10	84.750	0.00	0.96	2.002	O	|	|	|	|	5.31
79.667	0.00	1.03	2.419	O	|	|	|	|	6.09	84.833	0.00	0.96	1.995	O	|	|	|	|	5.29
79.750	0.00	1.03	2.412	O	|	|	|	|	6.07	84.917	0.00	0.96	1.989	O	|	|	|	|	5.28
79.833	0.00	1.03	2.405	O	|	|	|	|	6.06	85.000	0.00	0.95	1.982	O	|	|	|	|	5.27
79.917	0.00	1.02	2.398	O	|	|	|	|	6.05	85.083	0.00	0.95	1.976	O	|	|	|	|	5.26
80.000	0.00	1.02	2.391	O	|	|	|	|	6.03	85.167	0.00	0.95	1.969	O	|	|	|	|	5.24
80.083	0.00	1.02	2.384	O	|	|	|	|	6.02	85.250	0.00	0.95	1.963	O	|	|	|	|	5.23
80.167	0.00	1.02	2.377	O	|	|	|	|	6.01	85.333	0.00	0.95	1.956	O	|	|	|	|	5.22
80.250	0.00	1.02	2.369	O	|	|	|	|	5.99	85.417	0.00	0.95	1.949	O	|	|	|	|	5.21
80.333	0.00	1.02	2.362	O	|	|	|	|	5.98	85.500	0.00	0.95	1.943	O	|	|	|	|	5.19
80.417	0.00	1.02	2.355	O	|	|	|	|	5.97	85.583	0.00	0.95	1.936	O	|	|	|	|	5.18
80.500	0.00	1.02	2.348	O	|	|	|	|	5.95	85.667	0.00	0.95	1.930	O	|	|	|	|	5.17
80.583	0.00	1.01	2.341	O	|	|	|	|	5.94	85.750	0.00	0.94	1.923	O	|	|	|	|	5.16

85.833	0.00	0.94	1.917	O	|	|	|	|	5.15	91.000	0.00	0.86	1.532	O	|	|	|	|	4.30
85.917	0.00	0.94	1.910	O	|	|	|	|	5.13	91.083	0.00	0.85	1.526	O	|	|	|	|	4.28
86.000	0.00	0.94	1.904	O	|	|	|	|	5.12	91.167	0.00	0.85	1.520	O	|	|	|	|	4.27
86.083	0.00	0.94	1.897	O	|	|	|	|	5.11	91.250	0.00	0.85	1.515	O	|	|	|	|	4.26
86.167	0.00	0.94	1.891	O	|	|	|	|	5.10	91.333	0.00	0.85	1.509	O	|	|	|	|	4.24
86.250	0.00	0.94	1.885	O	|	|	|	|	5.09	91.417	0.00	0.85	1.503	O	|	|	|	|	4.23
86.333	0.00	0.94	1.878	O	|	|	|	|	5.07	91.500	0.00	0.85	1.497	O	|	|	|	|	4.22
86.417	0.00	0.94	1.872	O	|	|	|	|	5.06	91.583	0.00	0.85	1.491	O	|	|	|	|	4.20
86.500	0.00	0.93	1.865	O	|	|	|	|	5.05	91.667	0.00	0.84	1.485	O	|	|	|	|	4.19
86.583	0.00	0.93	1.859	O	|	|	|	|	5.04	91.750	0.00	0.84	1.479	O	|	|	|	|	4.18
86.667	0.00	0.93	1.852	O	|	|	|	|	5.02	91.833	0.00	0.84	1.474	O	|	|	|	|	4.16
86.750	0.00	0.93	1.846	O	|	|	|	|	5.01	91.917	0.00	0.84	1.468	O	|	|	|	|	4.15
86.833	0.00	0.93	1.840	O	|	|	|	|	5.00	92.000	0.00	0.84	1.462	O	|	|	|	|	4.14
86.917	0.00	0.93	1.833	O	|	|	|	|	4.99	92.083	0.00	0.84	1.456	O	|	|	|	|	4.12
87.000	0.00	0.93	1.827	O	|	|	|	|	4.97	92.167	0.00	0.84	1.451	O	|	|	|	|	4.11
87.083	0.00	0.93	1.820	O	|	|	|	|	4.96	92.250	0.00	0.84	1.445	O	|	|	|	|	4.10
87.167	0.00	0.92	1.814	O	|	|	|	|	4.94	92.333	0.00	0.83	1.439	O	|	|	|	|	4.08
87.250	0.00	0.92	1.808	O	|	|	|	|	4.93	92.417	0.00	0.83	1.433	O	|	|	|	|	4.07
87.333	0.00	0.92	1.801	O	|	|	|	|	4.91	92.500	0.00	0.83	1.428	O	|	|	|	|	4.06
87.417	0.00	0.92	1.795	O	|	|	|	|	4.90	92.583	0.00	0.83	1.422	O	|	|	|	|	4.04
87.500	0.00	0.92	1.789	O	|	|	|	|	4.88	92.667	0.00	0.83	1.416	O	|	|	|	|	4.03
87.583	0.00	0.92	1.782	O	|	|	|	|	4.87	92.750	0.00	0.83	1.410	O	|	|	|	|	4.02
87.667	0.00	0.91	1.776	O	|	|	|	|	4.86	92.833	0.00	0.83	1.405	O	|	|	|	|	4.00
87.750	0.00	0.91	1.770	O	|	|	|	|	4.84	92.917	0.00	0.82	1.399	O	|	|	|	|	3.99
87.833	0.00	0.91	1.763	O	|	|	|	|	4.83	93.000	0.00	0.82	1.393	O	|	|	|	|	3.98
87.917	0.00	0.91	1.757	O	|	|	|	|	4.81	93.083	0.00	0.82	1.388	O	|	|	|	|	3.97
88.000	0.00	0.91	1.751	O	|	|	|	|	4.80	93.167	0.00	0.82	1.382	O	|	|	|	|	3.95
88.083	0.00	0.91	1.745	O	|	|	|	|	4.78	93.250	0.00	0.82	1.376	O	|	|	|	|	3.94
88.167	0.00	0.91	1.738	O	|	|	|	|	4.77	93.333	0.00	0.82	1.371	O	|	|	|	|	3.93
88.250	0.00	0.90	1.732	O	|	|	|	|	4.75	93.417	0.00	0.82	1.365	O	|	|	|	|	3.91
88.333	0.00	0.90	1.726	O	|	|	|	|	4.74	93.500	0.00	0.81	1.360	O	|	|	|	|	3.90
88.417	0.00	0.90	1.720	O	|	|	|	|	4.73	93.583	0.00	0.81	1.354	O	|	|	|	|	3.89
88.500	0.00	0.90	1.713	O	|	|	|	|	4.71	93.667	0.00	0.81	1.348	O	|	|	|	|	3.87
88.583	0.00	0.90	1.707	O	|	|	|	|	4.70	93.750	0.00	0.81	1.343	O	|	|	|	|	3.86
88.667	0.00	0.90	1.701	O	|	|	|	|	4.68	93.833	0.00	0.81	1.337	O	|	|	|	|	3.85
88.750	0.00	0.90	1.695	O	|	|	|	|	4.67	93.917	0.00	0.81	1.332	O	|	|	|	|	3.84
88.833	0.00	0.89	1.689	O	|	|	|	|	4.66	94.000	0.00	0.81	1.326	O	|	|	|	|	3.82
88.917	0.00	0.89	1.683	O	|	|	|	|	4.64	94.083	0.00	0.81	1.321	O	|	|	|	|	3.81
89.000	0.00	0.89	1.677	O	|	|	|	|	4.63	94.167	0.00	0.80	1.315	O	|	|	|	|	3.80
89.083	0.00	0.89	1.670	O	|	|	|	|	4.61	94.250	0.00	0.80	1.309	O	|	|	|	|	3.79
89.167	0.00	0.89	1.664	O	|	|	|	|	4.60	94.333	0.00	0.80	1.304	O	|	|	|	|	3.77
89.250	0.00	0.89	1.658	O	|	|	|	|	4.59	94.417	0.00	0.80	1.298	O	|	|	|	|	3.76
89.333	0.00	0.88	1.652	O	|	|	|	|	4.57	94.500	0.00	0.80	1.293	O	|	|	|	|	3.75
89.417	0.00	0.88	1.646	O	|	|	|	|	4.56	94.583	0.00	0.80	1.287	O	|	|	|	|	3.73
89.500	0.00	0.88	1.640	O	|	|	|	|	4.54	94.667	0.00	0.80	1.282	O	|	|	|	|	3.72
89.583	0.00	0.88	1.634	O	|	|	|	|	4.53	94.750	0.00	0.79	1.276	O	|	|	|	|	3.71
89.667	0.00	0.88	1.628	O	|	|	|	|	4.52	94.833	0.00	0.79	1.271	O	|	|	|	|	3.70
89.750	0.00	0.88	1.622	O	|	|	|	|	4.50	94.917	0.00	0.79	1.266	O	|	|	|	|	3.68
89.833	0.00	0.88	1.616	O	|	|	|	|	4.49	95.000	0.00	0.79	1.260	O	|	|	|	|	3.67
89.917	0.00	0.87	1.610	O	|	|	|	|	4.47	95.083	0.00	0.79	1.255	O	|	|	|	|	3.66
90.000	0.00	0.87	1.604	O	|	|	|	|	4.46	95.167	0.00	0.79	1.249	O	|	|	|	|	3.65
90.083	0.00	0.87	1.598	O	|	|	|	|	4.45	95.250	0.00	0.79	1.244	O	|	|	|	|	3.63
90.167	0.00	0.87	1.592	O	|	|	|	|	4.43	95.333	0.00	0.79	1.238	O	|	|	|	|	3.62
90.250	0.00	0.87	1.586	O	|	|	|	|	4.42	95.417	0.00	0.78	1.233	O	|	|	|	|	3.61
90.333	0.00	0.87	1.580	O	|	|	|	|	4.41	95.500	0.00	0.78	1.228	O	|	|	|	|	3.60
90.417	0.00	0.87	1.574	O	|	|	|	|	4.39	95.583	0.00	0.78	1.222	O	|	|	|	|	3.59
90.500	0.00	0.86	1.568	O	|	|	|	|	4.38	95.667	0.00	0.78	1.217	O	|	|	|	|	3.57
90.583	0.00	0.86	1.562	O	|	|	|	|	4.36	95.750	0.00	0.78	1.211	O	|	|	|	|	3.56
90.667	0.00	0.86	1.556	O	|	|	|	|	4.35	95.833	0.00	0.78	1.206	O	|	|	|	|	3.55
90.750	0.00	0.86	1.550	O	|	|	|	|	4.34	95.917	0.00	0.78	1.201	O	|	|	|	|	3.54
90.833	0.00	0.86	1.544	O	|	|	|	|	4.32	96.000	0.00	0.78	1.195	O	|	|	|	|	3.52
90.917	0.00	0.86	1.538	O	|	|	|	|	4.31	96.083	0.00	0.77	1.190	O	|	|	|	|	3.51

96.167	0.00	0.77	1.185	O					3.50	101.333	0.00	0.68	0.873	O					2.73
96.250	0.00	0.77	1.179	O					3.49	101.417	0.00	0.67	0.868	O					2.71
96.333	0.00	0.77	1.174	O					3.48	101.500	0.00	0.67	0.863	O					2.70
96.417	0.00	0.77	1.169	O					3.46	101.583	0.00	0.67	0.859	O					2.69
96.500	0.00	0.77	1.164	O					3.45	101.667	0.00	0.67	0.854	O					2.67
96.583	0.00	0.77	1.158	O					3.44	101.750	0.00	0.67	0.850	O					2.66
96.667	0.00	0.76	1.153	O					3.43	101.833	0.00	0.66	0.845	O					2.65
96.750	0.00	0.76	1.148	O					3.41	101.917	0.00	0.66	0.841	O					2.63
96.833	0.00	0.76	1.142	O					3.40	102.000	0.00	0.66	0.836	O					2.62
96.917	0.00	0.76	1.137	O					3.39	102.083	0.00	0.66	0.831	O					2.61
97.000	0.00	0.76	1.132	O					3.38	102.167	0.00	0.65	0.827	O					2.59
97.083	0.00	0.76	1.127	O					3.37	102.250	0.00	0.65	0.822	O					2.58
97.167	0.00	0.76	1.122	O					3.35	102.333	0.00	0.65	0.818	O					2.57
97.250	0.00	0.76	1.116	O					3.34	102.417	0.00	0.65	0.813	O					2.55
97.333	0.00	0.75	1.111	O					3.33	102.500	0.00	0.65	0.809	O					2.54
97.417	0.00	0.75	1.106	O					3.32	102.583	0.00	0.64	0.805	O					2.53
97.500	0.00	0.75	1.101	O					3.31	102.667	0.00	0.64	0.800	O					2.51
97.583	0.00	0.75	1.096	O					3.29	102.750	0.00	0.64	0.796	O					2.50
97.667	0.00	0.75	1.090	O					3.28	102.833	0.00	0.64	0.791	O					2.49
97.750	0.00	0.75	1.085	O					3.27	102.917	0.00	0.64	0.787	O					2.48
97.833	0.00	0.75	1.080	O					3.26	103.000	0.00	0.63	0.783	O					2.46
97.917	0.00	0.75	1.075	O					3.25	103.083	0.00	0.63	0.778	O					2.45
98.000	0.00	0.74	1.070	O					3.24	103.167	0.00	0.63	0.774	O					2.44
98.083	0.00	0.74	1.065	O					3.22	103.250	0.00	0.63	0.769	O					2.43
98.167	0.00	0.74	1.060	O					3.21	103.333	0.00	0.63	0.765	O					2.41
98.250	0.00	0.74	1.054	O					3.20	103.417	0.00	0.62	0.761	O					2.40
98.333	0.00	0.74	1.049	O					3.19	103.500	0.00	0.62	0.757	O					2.39
98.417	0.00	0.74	1.044	O					3.18	103.583	0.00	0.62	0.752	O					2.38
98.500	0.00	0.74	1.039	O					3.17	103.667	0.00	0.62	0.748	O					2.36
98.583	0.00	0.74	1.034	O					3.15	103.750	0.00	0.62	0.744	O					2.35
98.667	0.00	0.73	1.029	O					3.14	103.833	0.00	0.61	0.740	O					2.34
98.750	0.00	0.73	1.024	O					3.13	103.917	0.00	0.61	0.735	O					2.33
98.833	0.00	0.73	1.019	O					3.12	104.000	0.00	0.61	0.731	O					2.31
98.917	0.00	0.73	1.014	O					3.11	104.083	0.00	0.61	0.727	O					2.30
99.000	0.00	0.73	1.009	O					3.10	104.167	0.00	0.61	0.723	O					2.29
99.083	0.00	0.73	1.004	O					3.08	104.250	0.00	0.60	0.719	O					2.28
99.167	0.00	0.73	0.999	O					3.07	104.333	0.00	0.60	0.714	O					2.27
99.250	0.00	0.73	0.994	O					3.06	104.417	0.00	0.60	0.710	O					2.25
99.333	0.00	0.73	0.989	O					3.05	104.500	0.00	0.60	0.706	O					2.24
99.417	0.00	0.72	0.984	O					3.04	104.583	0.00	0.60	0.702	O					2.23
99.500	0.00	0.72	0.979	O					3.03	104.667	0.00	0.59	0.698	O					2.22
99.583	0.00	0.72	0.974	O					3.02	104.750	0.00	0.59	0.694	O					2.21
99.667	0.00	0.72	0.969	O					3.00	104.833	0.00	0.59	0.690	O					2.19
99.750	0.00	0.72	0.964	O					2.99	104.917	0.00	0.59	0.686	O					2.18
99.833	0.00	0.72	0.959	O					2.98	105.000	0.00	0.59	0.682	O					2.17
99.917	0.00	0.71	0.954	O					2.96	105.083	0.00	0.59	0.678	O					2.16
100.000	0.00	0.71	0.949	O					2.95	105.167	0.00	0.58	0.674	O					2.15
100.083	0.00	0.71	0.944	O					2.93	105.250	0.00	0.58	0.670	O					2.14
100.167	0.00	0.71	0.939	O					2.92	105.333	0.00	0.58	0.666	O					2.12
100.250	0.00	0.70	0.935	O					2.91	105.417	0.00	0.58	0.662	O					2.11
100.333	0.00	0.70	0.930	O					2.89	105.500	0.00	0.58	0.658	O					2.10
100.417	0.00	0.70	0.925	O					2.88	105.583	0.00	0.57	0.654	O					2.09
100.500	0.00	0.70	0.920	O					2.86	105.667	0.00	0.57	0.650	O					2.08
100.583	0.00	0.70	0.915	O					2.85	105.750	0.00	0.57	0.646	O					2.07
100.667	0.00	0.69	0.910	O					2.84	105.833	0.00	0.57	0.642	O					2.05
100.750	0.00	0.69	0.906	O					2.82	105.917	0.00	0.57	0.638	O					2.04
100.833	0.00	0.69	0.901	O					2.81	106.000	0.00	0.57	0.634	O					2.03
100.917	0.00	0.69	0.896	O					2.79	106.083	0.00	0.56	0.630	O					2.02
101.000	0.00	0.68	0.891	O					2.78	106.167	0.00	0.56	0.626	O					2.01
101.083	0.00	0.68	0.887	O					2.77	106.250	0.00	0.56	0.622	O					2.00
101.167	0.00	0.68	0.882	O					2.75	106.333	0.00	0.56	0.619	O					1.99
101.250	0.00	0.68	0.877	O					2.74	106.417	0.00	0.56	0.615	O					1.98

106.500	0.00	0.55	0.611	O	|	|	|	|	1.96	111.667	0.00	0.45	0.396	O	|	|	|	|	1.34
106.583	0.00	0.55	0.607	O	|	|	|	|	1.95	111.750	0.00	0.45	0.393	O	|	|	|	|	1.33
106.667	0.00	0.55	0.603	O	|	|	|	|	1.94	111.833	0.00	0.45	0.390	O	|	|	|	|	1.32
106.750	0.00	0.55	0.599	O	|	|	|	|	1.93	111.917	0.00	0.45	0.387	O	|	|	|	|	1.31
106.833	0.00	0.55	0.596	O	|	|	|	|	1.92	112.000	0.00	0.45	0.384	O	|	|	|	|	1.30
106.917	0.00	0.55	0.592	O	|	|	|	|	1.91	112.083	0.00	0.45	0.381	O	|	|	|	|	1.30
107.000	0.00	0.54	0.588	O	|	|	|	|	1.90	112.167	0.00	0.45	0.378	O	|	|	|	|	1.29
107.083	0.00	0.54	0.584	O	|	|	|	|	1.89	112.250	0.00	0.44	0.375	O	|	|	|	|	1.28
107.167	0.00	0.54	0.581	O	|	|	|	|	1.88	112.333	0.00	0.44	0.371	O	|	|	|	|	1.27
107.250	0.00	0.54	0.577	O	|	|	|	|	1.87	112.417	0.00	0.44	0.368	O	|	|	|	|	1.26
107.333	0.00	0.54	0.573	O	|	|	|	|	1.86	112.500	0.00	0.44	0.365	O	|	|	|	|	1.25
107.417	0.00	0.54	0.570	O	|	|	|	|	1.84	112.583	0.00	0.44	0.362	O	|	|	|	|	1.24
107.500	0.00	0.53	0.566	O	|	|	|	|	1.83	112.667	0.00	0.44	0.359	O	|	|	|	|	1.23
107.583	0.00	0.53	0.562	O	|	|	|	|	1.82	112.750	0.00	0.44	0.356	O	|	|	|	|	1.22
107.667	0.00	0.53	0.559	O	|	|	|	|	1.81	112.833	0.00	0.43	0.353	O	|	|	|	|	1.22
107.750	0.00	0.53	0.555	O	|	|	|	|	1.80	112.917	0.00	0.43	0.350	O	|	|	|	|	1.21
107.833	0.00	0.53	0.551	O	|	|	|	|	1.79	113.000	0.00	0.43	0.347	O	|	|	|	|	1.20
107.917	0.00	0.52	0.548	O	|	|	|	|	1.78	113.083	0.00	0.43	0.344	O	|	|	|	|	1.19
108.000	0.00	0.52	0.544	O	|	|	|	|	1.77	113.167	0.00	0.43	0.341	O	|	|	|	|	1.18
108.083	0.00	0.52	0.541	O	|	|	|	|	1.76	113.250	0.00	0.43	0.339	O	|	|	|	|	1.17
108.167	0.00	0.52	0.537	O	|	|	|	|	1.75	113.333	0.00	0.43	0.336	O	|	|	|	|	1.16
108.250	0.00	0.52	0.533	O	|	|	|	|	1.74	113.417	0.00	0.42	0.333	O	|	|	|	|	1.16
108.333	0.00	0.52	0.530	O	|	|	|	|	1.73	113.500	0.00	0.42	0.330	O	|	|	|	|	1.15
108.417	0.00	0.51	0.526	O	|	|	|	|	1.72	113.583	0.00	0.42	0.327	O	|	|	|	|	1.14
108.500	0.00	0.51	0.523	O	|	|	|	|	1.71	113.667	0.00	0.42	0.324	O	|	|	|	|	1.13
108.583	0.00	0.51	0.519	O	|	|	|	|	1.70	113.750	0.00	0.42	0.321	O	|	|	|	|	1.12
108.667	0.00	0.51	0.516	O	|	|	|	|	1.69	113.833	0.00	0.42	0.318	O	|	|	|	|	1.11
108.750	0.00	0.51	0.512	O	|	|	|	|	1.68	113.917	0.00	0.42	0.315	O	|	|	|	|	1.11
108.833	0.00	0.51	0.509	O	|	|	|	|	1.67	114.000	0.00	0.42	0.312	O	|	|	|	|	1.10
108.917	0.00	0.51	0.505	O	|	|	|	|	1.66	114.083	0.00	0.41	0.310	O	|	|	|	|	1.09
109.000	0.00	0.50	0.502	O	|	|	|	|	1.65	114.167	0.00	0.41	0.307	O	|	|	|	|	1.08
109.083	0.00	0.50	0.498	O	|	|	|	|	1.64	114.250	0.00	0.41	0.304	O	|	|	|	|	1.07
109.167	0.00	0.50	0.495	O	|	|	|	|	1.63	114.333	0.00	0.41	0.301	O	|	|	|	|	1.06
109.250	0.00	0.50	0.491	O	|	|	|	|	1.62	114.417	0.00	0.41	0.298	O	|	|	|	|	1.06
109.333	0.00	0.50	0.488	O	|	|	|	|	1.61	114.500	0.00	0.41	0.295	O	|	|	|	|	1.05
109.417	0.00	0.50	0.484	O	|	|	|	|	1.60	114.583	0.00	0.41	0.293	O	|	|	|	|	1.04
109.500	0.00	0.49	0.481	O	|	|	|	|	1.59	114.667	0.00	0.41	0.290	O	|	|	|	|	1.03
109.583	0.00	0.49	0.478	O	|	|	|	|	1.58	114.750	0.00	0.40	0.287	O	|	|	|	|	1.02
109.667	0.00	0.49	0.474	O	|	|	|	|	1.57	114.833	0.00	0.40	0.284	O	|	|	|	|	1.02
109.750	0.00	0.49	0.471	O	|	|	|	|	1.56	114.917	0.00	0.40	0.281	O	|	|	|	|	1.01
109.833	0.00	0.49	0.468	O	|	|	|	|	1.55	115.000	0.00	0.40	0.279	O	|	|	|	|	1.00
109.917	0.00	0.49	0.464	O	|	|	|	|	1.54	115.083	0.00	0.40	0.276	O	|	|	|	|	0.99
110.000	0.00	0.48	0.461	O	|	|	|	|	1.53	115.167	0.00	0.39	0.273	O	|	|	|	|	0.98
110.083	0.00	0.48	0.458	O	|	|	|	|	1.52	115.250	0.00	0.39	0.271	O	|	|	|	|	0.97
110.167	0.00	0.48	0.454	O	|	|	|	|	1.51	115.333	0.00	0.38	0.268	O	|	|	|	|	0.96
110.250	0.00	0.48	0.451	O	|	|	|	|	1.50	115.417	0.00	0.38	0.265	O	|	|	|	|	0.95
110.333	0.00	0.48	0.448	O	|	|	|	|	1.49	115.500	0.00	0.38	0.263	O	|	|	|	|	0.94
110.417	0.00	0.48	0.444	O	|	|	|	|	1.48	115.583	0.00	0.37	0.260	O	|	|	|	|	0.93
110.500	0.00	0.48	0.441	O	|	|	|	|	1.47	115.667	0.00	0.37	0.258	O	|	|	|	|	0.92
110.583	0.00	0.47	0.438	O	|	|	|	|	1.46	115.750	0.00	0.37	0.255	O	|	|	|	|	0.91
110.667	0.00	0.47	0.434	O	|	|	|	|	1.45	115.833	0.00	0.36	0.252	O	|	|	|	|	0.90
110.750	0.00	0.47	0.431	O	|	|	|	|	1.44	115.917	0.00	0.36	0.250	O	|	|	|	|	0.90
110.833	0.00	0.47	0.428	O	|	|	|	|	1.43	116.000	0.00	0.35	0.248	O	|	|	|	|	0.89
110.917	0.00	0.47	0.425	O	|	|	|	|	1.42	116.083	0.00	0.35	0.245	O	|	|	|	|	0.88
111.000	0.00	0.47	0.422	O	|	|	|	|	1.41	116.167	0.00	0.35	0.243	O	|	|	|	|	0.87
111.083	0.00	0.46	0.418	O	|	|	|	|	1.41	116.250	0.00	0.34	0.240	O	|	|	|	|	0.86
111.167	0.00	0.46	0.415	O	|	|	|	|	1.40	116.333	0.00	0.34	0.238	O	|	|	|	|	0.85
111.250	0.00	0.46	0.412	O	|	|	|	|	1.39	116.417	0.00	0.34	0.236	O	|	|	|	|	0.84
111.333	0.00	0.46	0.409	O	|	|	|	|	1.38	116.500	0.00	0.33	0.233	O	|	|	|	|	0.84
111.417	0.00	0.46	0.406	O	|	|	|	|	1.37	116.583	0.00	0.33	0.231	O	|	|	|	|	0.83
111.500	0.00	0.46	0.402	O	|	|	|	|	1.36	116.667	0.00	0.33	0.229	O	|	|	|	|	0.82
111.583	0.00	0.46	0.399	O	|	|	|	|	1.35	116.750	0.00	0.32	0.226	O	|	|	|	|	0.81

116.833	0.00	0.32	0.224	O	|	|	|	|	0.80	122.000	0.00	0.17	0.122	O	|	|	|	|	0.44
116.917	0.00	0.32	0.222	O	|	|	|	|	0.80	122.083	0.00	0.17	0.120	O	|	|	|	|	0.43
117.000	0.00	0.32	0.220	O	|	|	|	|	0.79	122.167	0.00	0.17	0.119	O	|	|	|	|	0.43
117.083	0.00	0.31	0.218	O	|	|	|	|	0.78	122.250	0.00	0.17	0.118	O	|	|	|	|	0.42
117.167	0.00	0.31	0.216	O	|	|	|	|	0.77	122.333	0.00	0.17	0.117	O	|	|	|	|	0.42
117.250	0.00	0.31	0.213	O	|	|	|	|	0.77	122.417	0.00	0.17	0.116	O	|	|	|	|	0.41
117.333	0.00	0.30	0.211	O	|	|	|	|	0.76	122.500	0.00	0.16	0.115	O	|	|	|	|	0.41
117.417	0.00	0.30	0.209	O	|	|	|	|	0.75	122.583	0.00	0.16	0.113	O	|	|	|	|	0.41
117.500	0.00	0.30	0.207	O	|	|	|	|	0.74	122.667	0.00	0.16	0.112	O	|	|	|	|	0.40
117.583	0.00	0.29	0.205	O	|	|	|	|	0.74	122.750	0.00	0.16	0.111	O	|	|	|	|	0.40
117.667	0.00	0.29	0.203	O	|	|	|	|	0.73	122.833	0.00	0.16	0.110	O	|	|	|	|	0.39
117.750	0.00	0.29	0.201	O	|	|	|	|	0.72	122.917	0.00	0.16	0.109	O	|	|	|	|	0.39
117.833	0.00	0.29	0.199	O	|	|	|	|	0.71	123.000	0.00	0.15	0.108	O	|	|	|	|	0.39
117.917	0.00	0.28	0.197	O	|	|	|	|	0.71	123.083	0.00	0.15	0.107	O	|	|	|	|	0.38
118.000	0.00	0.28	0.195	O	|	|	|	|	0.70	123.167	0.00	0.15	0.106	O	|	|	|	|	0.38
118.083	0.00	0.28	0.193	O	|	|	|	|	0.69	123.250	0.00	0.15	0.105	O	|	|	|	|	0.38
118.167	0.00	0.27	0.191	O	|	|	|	|	0.69	123.333	0.00	0.15	0.104	O	|	|	|	|	0.37
118.250	0.00	0.27	0.190	O	|	|	|	|	0.68	123.417	0.00	0.15	0.103	O	|	|	|	|	0.37
118.333	0.00	0.27	0.188	O	|	|	|	|	0.67	123.500	0.00	0.15	0.102	O	|	|	|	|	0.36
118.417	0.00	0.27	0.186	O	|	|	|	|	0.67	123.583	0.00	0.14	0.101	O	|	|	|	|	0.36
118.500	0.00	0.26	0.184	O	|	|	|	|	0.66	123.667	0.00	0.14	0.100	O	|	|	|	|	0.36
118.583	0.00	0.26	0.182	O	|	|	|	|	0.65	123.750	0.00	0.14	0.099	O	|	|	|	|	0.35
118.667	0.00	0.26	0.180	O	|	|	|	|	0.65	123.833	0.00	0.14	0.098	O	|	|	|	|	0.35
118.750	0.00	0.26	0.179	O	|	|	|	|	0.64	123.917	0.00	0.14	0.097	O	|	|	|	|	0.35
118.833	0.00	0.25	0.177	O	|	|	|	|	0.63	124.000	0.00	0.14	0.096	O	|	|	|	|	0.34
118.917	0.00	0.25	0.175	O	|	|	|	|	0.63	124.083	0.00	0.14	0.095	O	|	|	|	|	0.34
119.000	0.00	0.25	0.173	O	|	|	|	|	0.62	124.167	0.00	0.13	0.094	O	|	|	|	|	0.34
119.083	0.00	0.25	0.172	O	|	|	|	|	0.62	124.250	0.00	0.13	0.093	O	|	|	|	|	0.33
119.167	0.00	0.24	0.170	O	|	|	|	|	0.61	124.333	0.00	0.13	0.092	O	|	|	|	|	0.33
119.250	0.00	0.24	0.168	O	|	|	|	|	0.60	124.417	0.00	0.13	0.091	O	|	|	|	|	0.33
119.333	0.00	0.24	0.167	O	|	|	|	|	0.60	124.500	0.00	0.13	0.090	O	|	|	|	|	0.32
119.417	0.00	0.24	0.165	O	|	|	|	|	0.59	124.583	0.00	0.13	0.090	O	|	|	|	|	0.32
119.500	0.00	0.23	0.164	O	|	|	|	|	0.59	124.667	0.00	0.13	0.089	O	|	|	|	|	0.32
119.583	0.00	0.23	0.162	O	|	|	|	|	0.58	124.750	0.00	0.13	0.088	O	|	|	|	|	0.31
119.667	0.00	0.23	0.160	O	|	|	|	|	0.57	124.833	0.00	0.12	0.087	O	|	|	|	|	0.31
119.750	0.00	0.23	0.159	O	|	|	|	|	0.57	124.917	0.00	0.12	0.086	O	|	|	|	|	0.31
119.833	0.00	0.23	0.157	O	|	|	|	|	0.56	125.000	0.00	0.12	0.085	O	|	|	|	|	0.31
119.917	0.00	0.22	0.156	O	|	|	|	|	0.56	125.083	0.00	0.12	0.084	O	|	|	|	|	0.30
120.000	0.00	0.22	0.154	O	|	|	|	|	0.55	125.167	0.00	0.12	0.084	O	|	|	|	|	0.30
120.083	0.00	0.22	0.153	O	|	|	|	|	0.55	125.250	0.00	0.12	0.083	O	|	|	|	|	0.30
120.167	0.00	0.22	0.151	O	|	|	|	|	0.54	125.333	0.00	0.12	0.082	O	|	|	|	|	0.29
120.250	0.00	0.21	0.150	O	|	|	|	|	0.54	125.417	0.00	0.12	0.081	O	|	|	|	|	0.29
120.333	0.00	0.21	0.148	O	|	|	|	|	0.53	125.500	0.00	0.12	0.080	O	|	|	|	|	0.29
120.417	0.00	0.21	0.147	O	|	|	|	|	0.53	125.583	0.00	0.11	0.080	O	|	|	|	|	0.29
120.500	0.00	0.21	0.145	O	|	|	|	|	0.52	125.667	0.00	0.11	0.079	O	|	|	|	|	0.28
120.583	0.00	0.21	0.144	O	|	|	|	|	0.52	125.750	0.00	0.11	0.078	O	|	|	|	|	0.28
120.667	0.00	0.20	0.142	O	|	|	|	|	0.51	125.833	0.00	0.11	0.077	O	|	|	|	|	0.28
120.750	0.00	0.20	0.141	O	|	|	|	|	0.51	125.917	0.00	0.11	0.076	O	|	|	|	|	0.27
120.833	0.00	0.20	0.140	O	|	|	|	|	0.50	126.000	0.00	0.11	0.076	O	|	|	|	|	0.27
120.917	0.00	0.20	0.138	O	|	|	|	|	0.50	126.083	0.00	0.11	0.075	O	|	|	|	|	0.27
121.000	0.00	0.20	0.137	O	|	|	|	|	0.49	126.167	0.00	0.11	0.074	O	|	|	|	|	0.27
121.083	0.00	0.19	0.136	O	|	|	|	|	0.49	126.250	0.00	0.11	0.073	O	|	|	|	|	0.26
121.167	0.00	0.19	0.134	O	|	|	|	|	0.48	126.333	0.00	0.10	0.073	O	|	|	|	|	0.26
121.250	0.00	0.19	0.133	O	|	|	|	|	0.48	126.417	0.00	0.10	0.072	O	|	|	|	|	0.26
121.333	0.00	0.19	0.132	O	|	|	|	|	0.47	126.500	0.00	0.10	0.071	O	|	|	|	|	0.26
121.417	0.00	0.19	0.130	O	|	|	|	|	0.47	126.583	0.00	0.10	0.071	O	|	|	|	|	0.25
121.500	0.00	0.18	0.129	O	|	|	|	|	0.46	126.667	0.00	0.10	0.070	O	|	|	|	|	0.25
121.583	0.00	0.18	0.128	O	|	|	|	|	0.46	126.750	0.00	0.10	0.069	O	|	|	|	|	0.25
121.667	0.00	0.18	0.126	O	|	|	|	|	0.45	126.833	0.00	0.10	0.069	O	|	|	|	|	0.25
121.750	0.00	0.18	0.125	O	|	|	|	|	0.45	126.917	0.00	0.10	0.068	O	|	|	|	|	0.24
121.833	0.00	0.18	0.124	O	|	|	|	|	0.44	127.000	0.00	0.10	0.067	O	|	|	|	|	0.24
121.917	0.00	0.18	0.123	O	|	|	|	|	0.44	127.083	0.00	0.10	0.067	O	|	|	|	|	0.24

127.167	0.00	0.09	0.066	O					0.24	132.333	0.00	0.05	0.036	O					0.13
127.250	0.00	0.09	0.065	O					0.23	132.417	0.00	0.05	0.035	O					0.13
127.333	0.00	0.09	0.065	O					0.23	132.500	0.00	0.05	0.035	O					0.13
127.417	0.00	0.09	0.064	O					0.23	132.583	0.00	0.05	0.035	O					0.12
127.500	0.00	0.09	0.063	O					0.23	132.667	0.00	0.05	0.034	O					0.12
127.583	0.00	0.09	0.063	O					0.22	132.750	0.00	0.05	0.034	O					0.12
127.667	0.00	0.09	0.062	O					0.22	132.833	0.00	0.05	0.034	O					0.12
127.750	0.00	0.09	0.062	O					0.22	132.917	0.00	0.05	0.033	O					0.12
127.833	0.00	0.09	0.061	O					0.22	133.000	0.00	0.05	0.033	O					0.12
127.917	0.00	0.09	0.060	O					0.22	133.083	0.00	0.05	0.033	O					0.12
128.000	0.00	0.09	0.060	O					0.21	133.167	0.00	0.05	0.032	O					0.12
128.083	0.00	0.08	0.059	O					0.21	133.250	0.00	0.05	0.032	O					0.11
128.167	0.00	0.08	0.059	O					0.21	133.333	0.00	0.05	0.032	O					0.11
128.250	0.00	0.08	0.058	O					0.21	133.417	0.00	0.05	0.031	O					0.11
128.333	0.00	0.08	0.057	O					0.21	133.500	0.00	0.04	0.031	O					0.11
128.417	0.00	0.08	0.057	O					0.20	133.583	0.00	0.04	0.031	O					0.11
128.500	0.00	0.08	0.056	O					0.20	133.667	0.00	0.04	0.031	O					0.11
128.583	0.00	0.08	0.056	O					0.20	133.750	0.00	0.04	0.030	O					0.11
128.667	0.00	0.08	0.055	O					0.20	133.833	0.00	0.04	0.030	O					0.11
128.750	0.00	0.08	0.055	O					0.20	133.917	0.00	0.04	0.030	O					0.11
128.833	0.00	0.08	0.054	O					0.19	134.000	0.00	0.04	0.029	O					0.11
128.917	0.00	0.08	0.054	O					0.19	134.083	0.00	0.04	0.029	O					0.10
129.000	0.00	0.08	0.053	O					0.19	134.167	0.00	0.04	0.029	O					0.10
129.083	0.00	0.08	0.053	O					0.19	134.250	0.00	0.04	0.028	O					0.10
129.167	0.00	0.07	0.052	O					0.19	134.333	0.00	0.04	0.028	O					0.10
129.250	0.00	0.07	0.052	O					0.18	134.417	0.00	0.04	0.028	O					0.10
129.333	0.00	0.07	0.051	O					0.18	134.500	0.00	0.04	0.028	O					0.10
129.417	0.00	0.07	0.050	O					0.18	134.583	0.00	0.04	0.027	O					0.10
129.500	0.00	0.07	0.050	O					0.18	134.667	0.00	0.04	0.027	O					0.10
129.583	0.00	0.07	0.050	O					0.18	134.750	0.00	0.04	0.027	O					0.10
129.667	0.00	0.07	0.049	O					0.18	134.833	0.00	0.04	0.027	O					0.10
129.750	0.00	0.07	0.049	O					0.17	134.917	0.00	0.04	0.026	O					0.09
129.833	0.00	0.07	0.048	O					0.17	135.000	0.00	0.04	0.026	O					0.09
129.917	0.00	0.07	0.048	O					0.17	135.083	0.00	0.04	0.026	O					0.09
130.000	0.00	0.07	0.047	O					0.17	135.167	0.00	0.04	0.026	O					0.09
130.083	0.00	0.07	0.047	O					0.17	135.250	0.00	0.04	0.025	O					0.09
130.167	0.00	0.07	0.046	O					0.17	135.333	0.00	0.04	0.025	O					0.09
130.250	0.00	0.07	0.046	O					0.16	135.417	0.00	0.04	0.025	O					0.09
130.333	0.00	0.06	0.045	O					0.16	135.500	0.00	0.04	0.025	O					0.09
130.417	0.00	0.06	0.045	O					0.16	135.583	0.00	0.03	0.024	O					0.09
130.500	0.00	0.06	0.044	O					0.16	135.667	0.00	0.03	0.024	O					0.09
130.583	0.00	0.06	0.044	O					0.16	135.750	0.00	0.03	0.024	O					0.09
130.667	0.00	0.06	0.044	O					0.16	135.833	0.00	0.03	0.024	O					0.08
130.750	0.00	0.06	0.043	O					0.15	135.917	0.00	0.03	0.023	O					0.08
130.833	0.00	0.06	0.043	O					0.15	136.000	0.00	0.03	0.023	O					0.08
130.917	0.00	0.06	0.042	O					0.15	136.083	0.00	0.03	0.023	O					0.08
131.000	0.00	0.06	0.042	O					0.15	136.167	0.00	0.03	0.023	O					0.08
131.083	0.00	0.06	0.041	O					0.15	136.250	0.00	0.03	0.022	O					0.08
131.167	0.00	0.06	0.041	O					0.15	136.333	0.00	0.03	0.022	O					0.08
131.250	0.00	0.06	0.041	O					0.15	136.417	0.00	0.03	0.022	O					0.08
131.333	0.00	0.06	0.040	O					0.14	136.500	0.00	0.03	0.022	O					0.08
131.417	0.00	0.06	0.040	O					0.14	136.583	0.00	0.03	0.022	O					0.08
131.500	0.00	0.06	0.039	O					0.14	136.667	0.00	0.03	0.021	O					0.08
131.583	0.00	0.06	0.039	O					0.14	136.750	0.00	0.03	0.021	O					0.08
131.667	0.00	0.06	0.039	O					0.14	136.833	0.00	0.03	0.021	O					0.08
131.750	0.00	0.05	0.038	O					0.14	136.917	0.00	0.03	0.021	O					0.07
131.833	0.00	0.05	0.038	O					0.14	137.000	0.00	0.03	0.021	O					0.07
131.917	0.00	0.05	0.038	O					0.13	137.083	0.00	0.03	0.020	O					0.07
132.000	0.00	0.05	0.037	O					0.13	137.167	0.00	0.03	0.020	O					0.07
132.083	0.00	0.05	0.037	O					0.13	137.250	0.00	0.03	0.020	O					0.07
132.167	0.00	0.05	0.036	O					0.13	137.333	0.00	0.03	0.020	O					0.07
132.250	0.00	0.05	0.036	O					0.13	137.417	0.00	0.03	0.020	O					0.07

137.500	0.00	0.03	0.019	O	|	|	|	|	0.07	142.667	0.00	0.02	0.011	O	|	|	|	|	0.04
137.583	0.00	0.03	0.019	O	|	|	|	|	0.07	142.750	0.00	0.01	0.010	O	|	|	|	|	0.04
137.667	0.00	0.03	0.019	O	|	|	|	|	0.07	142.833	0.00	0.01	0.010	O	|	|	|	|	0.04
137.750	0.00	0.03	0.019	O	|	|	|	|	0.07	142.917	0.00	0.01	0.010	O	|	|	|	|	0.04
137.833	0.00	0.03	0.019	O	|	|	|	|	0.07	143.000	0.00	0.01	0.010	O	|	|	|	|	0.04
137.917	0.00	0.03	0.018	O	|	|	|	|	0.07	143.083	0.00	0.01	0.010	O	|	|	|	|	0.04
138.000	0.00	0.03	0.018	O	|	|	|	|	0.07	143.167	0.00	0.01	0.010	O	|	|	|	|	0.04
138.083	0.00	0.03	0.018	O	|	|	|	|	0.06	143.250	0.00	0.01	0.010	O	|	|	|	|	0.04
138.167	0.00	0.03	0.018	O	|	|	|	|	0.06	143.333	0.00	0.01	0.010	O	|	|	|	|	0.03
138.250	0.00	0.03	0.018	O	|	|	|	|	0.06	143.417	0.00	0.01	0.010	O	|	|	|	|	0.03
138.333	0.00	0.03	0.018	O	|	|	|	|	0.06	143.500	0.00	0.01	0.010	O	|	|	|	|	0.03
138.417	0.00	0.02	0.017	O	|	|	|	|	0.06	143.583	0.00	0.01	0.009	O	|	|	|	|	0.03
138.500	0.00	0.02	0.017	O	|	|	|	|	0.06	143.667	0.00	0.01	0.009	O	|	|	|	|	0.03
138.583	0.00	0.02	0.017	O	|	|	|	|	0.06	143.750	0.00	0.01	0.009	O	|	|	|	|	0.03
138.667	0.00	0.02	0.017	O	|	|	|	|	0.06	143.833	0.00	0.01	0.009	O	|	|	|	|	0.03
138.750	0.00	0.02	0.017	O	|	|	|	|	0.06	143.917	0.00	0.01	0.009	O	|	|	|	|	0.03
138.833	0.00	0.02	0.017	O	|	|	|	|	0.06	144.000	0.00	0.01	0.009	O	|	|	|	|	0.03
138.917	0.00	0.02	0.016	O	|	|	|	|	0.06	144.083	0.00	0.01	0.009	O	|	|	|	|	0.03
139.000	0.00	0.02	0.016	O	|	|	|	|	0.06	144.167	0.00	0.01	0.009	O	|	|	|	|	0.03
139.083	0.00	0.02	0.016	O	|	|	|	|	0.06	144.250	0.00	0.01	0.009	O	|	|	|	|	0.03
139.167	0.00	0.02	0.016	O	|	|	|	|	0.06	144.333	0.00	0.01	0.009	O	|	|	|	|	0.03
139.250	0.00	0.02	0.016	O	|	|	|	|	0.06	144.417	0.00	0.01	0.009	O	|	|	|	|	0.03
139.333	0.00	0.02	0.016	O	|	|	|	|	0.06	144.500	0.00	0.01	0.008	O	|	|	|	|	0.03
139.417	0.00	0.02	0.015	O	|	|	|	|	0.06	144.583	0.00	0.01	0.008	O	|	|	|	|	0.03
139.500	0.00	0.02	0.015	O	|	|	|	|	0.05	144.667	0.00	0.01	0.008	O	|	|	|	|	0.03
139.583	0.00	0.02	0.015	O	|	|	|	|	0.05	144.750	0.00	0.01	0.008	O	|	|	|	|	0.03
139.667	0.00	0.02	0.015	O	|	|	|	|	0.05	144.833	0.00	0.01	0.008	O	|	|	|	|	0.03
139.750	0.00	0.02	0.015	O	|	|	|	|	0.05	144.917	0.00	0.01	0.008	O	|	|	|	|	0.03
139.833	0.00	0.02	0.015	O	|	|	|	|	0.05	145.000	0.00	0.01	0.008	O	|	|	|	|	0.03
139.917	0.00	0.02	0.015	O	|	|	|	|	0.05	145.083	0.00	0.01	0.008	O	|	|	|	|	0.03
140.000	0.00	0.02	0.014	O	|	|	|	|	0.05	145.167	0.00	0.01	0.008	O	|	|	|	|	0.03
140.083	0.00	0.02	0.014	O	|	|	|	|	0.05	145.250	0.00	0.01	0.008	O	|	|	|	|	0.03
140.167	0.00	0.02	0.014	O	|	|	|	|	0.05	145.333	0.00	0.01	0.008	O	|	|	|	|	0.03
140.250	0.00	0.02	0.014	O	|	|	|	|	0.05	145.417	0.00	0.01	0.008	O	|	|	|	|	0.03
140.333	0.00	0.02	0.014	O	|	|	|	|	0.05	145.500	0.00	0.01	0.008	O	|	|	|	|	0.03
140.417	0.00	0.02	0.014	O	|	|	|	|	0.05	145.583	0.00	0.01	0.007	O	|	|	|	|	0.03
140.500	0.00	0.02	0.014	O	|	|	|	|	0.05	145.667	0.00	0.01	0.007	O	|	|	|	|	0.03
140.583	0.00	0.02	0.013	O	|	|	|	|	0.05	145.750	0.00	0.01	0.007	O	|	|	|	|	0.03
140.667	0.00	0.02	0.013	O	|	|	|	|	0.05	145.833	0.00	0.01	0.007	O	|	|	|	|	0.03
140.750	0.00	0.02	0.013	O	|	|	|	|	0.05	145.917	0.00	0.01	0.007	O	|	|	|	|	0.03
140.833	0.00	0.02	0.013	O	|	|	|	|	0.05	146.000	0.00	0.01	0.007	O	|	|	|	|	0.03
140.917	0.00	0.02	0.013	O	|	|	|	|	0.05	146.083	0.00	0.01	0.007	O	|	|	|	|	0.03
141.000	0.00	0.02	0.013	O	|	|	|	|	0.05	146.167	0.00	0.01	0.007	O	|	|	|	|	0.02
141.083	0.00	0.02	0.013	O	|	|	|	|	0.05	146.250	0.00	0.01	0.007	O	|	|	|	|	0.02
141.167	0.00	0.02	0.013	O	|	|	|	|	0.04	146.333	0.00	0.01	0.007	O	|	|	|	|	0.02
141.250	0.00	0.02	0.012	O	|	|	|	|	0.04	146.417	0.00	0.01	0.007	O	|	|	|	|	0.02
141.333	0.00	0.02	0.012	O	|	|	|	|	0.04	146.500	0.00	0.01	0.007	O	|	|	|	|	0.02
141.417	0.00	0.02	0.012	O	|	|	|	|	0.04	146.583	0.00	0.01	0.007	O	|	|	|	|	0.02
141.500	0.00	0.02	0.012	O	|	|	|	|	0.04	146.667	0.00	0.01	0.007	O	|	|	|	|	0.02
141.583	0.00	0.02	0.012	O	|	|	|	|	0.04	146.750	0.00	0.01	0.006	O	|	|	|	|	0.02
141.667	0.00	0.02	0.012	O	|	|	|	|	0.04	146.833	0.00	0.01	0.006	O	|	|	|	|	0.02
141.750	0.00	0.02	0.012	O	|	|	|	|	0.04	146.917	0.00	0.01	0.006	O	|	|	|	|	0.02
141.833	0.00	0.02	0.012	O	|	|	|	|	0.04	147.000	0.00	0.01	0.006	O	|	|	|	|	0.02
141.917	0.00	0.02	0.011	O	|	|	|	|	0.04	147.083	0.00	0.01	0.006	O	|	|	|	|	0.02
142.000	0.00	0.02	0.011	O	|	|	|	|	0.04	147.167	0.00	0.01	0.006	O	|	|	|	|	0.02
142.083	0.00	0.02	0.011	O	|	|	|	|	0.04	147.250	0.00	0.01	0.006	O	|	|	|	|	0.02
142.167	0.00	0.02	0.011	O	|	|	|	|	0.04	147.333	0.00	0.01	0.006	O	|	|	|	|	0.02
142.250	0.00	0.02	0.011	O	|	|	|	|	0.04	147.417	0.00	0.01	0.006	O	|	|	|	|	0.02
142.333	0.00	0.02	0.011	O	|	|	|	|	0.04	147.500	0.00	0.01	0.006	O	|	|	|	|	0.02
142.417	0.00	0.02	0.011	O	|	|	|	|	0.04	147.583	0.00	0.01	0.006	O	|	|	|	|	0.02
142.500	0.00	0.02	0.011	O	|	|	|	|	0.04	147.667	0.00	0.01	0.006	O	|	|	|	|	0.02
142.583	0.00	0.02	0.011	O	|	|	|	|	0.04	147.750	0.00	0.01	0.006	O	|	|	|	|	0.02

147.833	0.00	0.01	0.006	O	|	|	|	|	0.02	153.000	0.00	0.00	0.003	O	|	|	|	|	0.01
147.917	0.00	0.01	0.006	O	|	|	|	|	0.02	153.083	0.00	0.00	0.003	O	|	|	|	|	0.01
148.000	0.00	0.01	0.006	O	|	|	|	|	0.02	153.167	0.00	0.00	0.003	O	|	|	|	|	0.01
148.083	0.00	0.01	0.006	O	|	|	|	|	0.02	153.250	0.00	0.00	0.003	O	|	|	|	|	0.01
148.167	0.00	0.01	0.005	O	|	|	|	|	0.02	153.333	0.00	0.00	0.003	O	|	|	|	|	0.01
148.250	0.00	0.01	0.005	O	|	|	|	|	0.02	153.417	0.00	0.00	0.003	O	|	|	|	|	0.01
148.333	0.00	0.01	0.005	O	|	|	|	|	0.02	153.500	0.00	0.00	0.003	O	|	|	|	|	0.01
148.417	0.00	0.01	0.005	O	|	|	|	|	0.02	153.583	0.00	0.00	0.003	O	|	|	|	|	0.01
148.500	0.00	0.01	0.005	O	|	|	|	|	0.02	153.667	0.00	0.00	0.003	O	|	|	|	|	0.01
148.583	0.00	0.01	0.005	O	|	|	|	|	0.02	153.750	0.00	0.00	0.003	O	|	|	|	|	0.01
148.667	0.00	0.01	0.005	O	|	|	|	|	0.02	153.833	0.00	0.00	0.003	O	|	|	|	|	0.01
148.750	0.00	0.01	0.005	O	|	|	|	|	0.02	153.917	0.00	0.00	0.003	O	|	|	|	|	0.01
148.833	0.00	0.01	0.005	O	|	|	|	|	0.02	154.000	0.00	0.00	0.003	O	|	|	|	|	0.01
148.917	0.00	0.01	0.005	O	|	|	|	|	0.02	154.083	0.00	0.00	0.003	O	|	|	|	|	0.01
149.000	0.00	0.01	0.005	O	|	|	|	|	0.02	154.167	0.00	0.00	0.003	O	|	|	|	|	0.01
149.083	0.00	0.01	0.005	O	|	|	|	|	0.02	154.250	0.00	0.00	0.003	O	|	|	|	|	0.01
149.167	0.00	0.01	0.005	O	|	|	|	|	0.02	154.333	0.00	0.00	0.003	O	|	|	|	|	0.01
149.250	0.00	0.01	0.005	O	|	|	|	|	0.02	154.417	0.00	0.00	0.003	O	|	|	|	|	0.01
149.333	0.00	0.01	0.005	O	|	|	|	|	0.02	154.500	0.00	0.00	0.003	O	|	|	|	|	0.01
149.417	0.00	0.01	0.005	O	|	|	|	|	0.02	154.583	0.00	0.00	0.003	O	|	|	|	|	0.01
149.500	0.00	0.01	0.005	O	|	|	|	|	0.02	154.667	0.00	0.00	0.003	O	|	|	|	|	0.01
149.583	0.00	0.01	0.005	O	|	|	|	|	0.02	154.750	0.00	0.00	0.003	O	|	|	|	|	0.01
149.667	0.00	0.01	0.005	O	|	|	|	|	0.02	154.833	0.00	0.00	0.002	O	|	|	|	|	0.01
149.750	0.00	0.01	0.005	O	|	|	|	|	0.02	154.917	0.00	0.00	0.002	O	|	|	|	|	0.01
149.833	0.00	0.01	0.004	O	|	|	|	|	0.02	155.000	0.00	0.00	0.002	O	|	|	|	|	0.01
149.917	0.00	0.01	0.004	O	|	|	|	|	0.02	155.083	0.00	0.00	0.002	O	|	|	|	|	0.01
150.000	0.00	0.01	0.004	O	|	|	|	|	0.02	155.167	0.00	0.00	0.002	O	|	|	|	|	0.01
150.083	0.00	0.01	0.004	O	|	|	|	|	0.02	155.250	0.00	0.00	0.002	O	|	|	|	|	0.01
150.167	0.00	0.01	0.004	O	|	|	|	|	0.02	155.333	0.00	0.00	0.002	O	|	|	|	|	0.01
150.250	0.00	0.01	0.004	O	|	|	|	|	0.02	155.417	0.00	0.00	0.002	O	|	|	|	|	0.01
150.333	0.00	0.01	0.004	O	|	|	|	|	0.02	155.500	0.00	0.00	0.002	O	|	|	|	|	0.01
150.417	0.00	0.01	0.004	O	|	|	|	|	0.02	155.583	0.00	0.00	0.002	O	|	|	|	|	0.01
150.500	0.00	0.01	0.004	O	|	|	|	|	0.01	155.667	0.00	0.00	0.002	O	|	|	|	|	0.01
150.583	0.00	0.01	0.004	O	|	|	|	|	0.01	155.750	0.00	0.00	0.002	O	|	|	|	|	0.01
150.667	0.00	0.01	0.004	O	|	|	|	|	0.01	155.833	0.00	0.00	0.002	O	|	|	|	|	0.01
150.750	0.00	0.01	0.004	O	|	|	|	|	0.01	155.917	0.00	0.00	0.002	O	|	|	|	|	0.01
150.833	0.00	0.01	0.004	O	|	|	|	|	0.01	156.000	0.00	0.00	0.002	O	|	|	|	|	0.01
150.917	0.00	0.01	0.004	O	|	|	|	|	0.01	156.083	0.00	0.00	0.002	O	|	|	|	|	0.01
151.000	0.00	0.01	0.004	O	|	|	|	|	0.01	156.167	0.00	0.00	0.002	O	|	|	|	|	0.01
151.083	0.00	0.01	0.004	O	|	|	|	|	0.01	156.250	0.00	0.00	0.002	O	|	|	|	|	0.01
151.167	0.00	0.01	0.004	O	|	|	|	|	0.01	156.333	0.00	0.00	0.002	O	|	|	|	|	0.01
151.250	0.00	0.01	0.004	O	|	|	|	|	0.01	156.417	0.00	0.00	0.002	O	|	|	|	|	0.01
151.333	0.00	0.01	0.004	O	|	|	|	|	0.01	156.500	0.00	0.00	0.002	O	|	|	|	|	0.01
151.417	0.00	0.01	0.004	O	|	|	|	|	0.01	156.583	0.00	0.00	0.002	O	|	|	|	|	0.01
151.500	0.00	0.01	0.004	O	|	|	|	|	0.01	156.667	0.00	0.00	0.002	O	|	|	|	|	0.01
151.583	0.00	0.01	0.004	O	|	|	|	|	0.01	156.750	0.00	0.00	0.002	O	|	|	|	|	0.01
151.667	0.00	0.01	0.004	O	|	|	|	|	0.01	156.833	0.00	0.00	0.002	O	|	|	|	|	0.01
151.750	0.00	0.01	0.004	O	|	|	|	|	0.01	156.917	0.00	0.00	0.002	O	|	|	|	|	0.01
151.833	0.00	0.01	0.004	O	|	|	|	|	0.01	157.000	0.00	0.00	0.002	O	|	|	|	|	0.01
151.917	0.00	0.01	0.004	O	|	|	|	|	0.01	157.083	0.00	0.00	0.002	O	|	|	|	|	0.01
152.000	0.00	0.00	0.003	O	|	|	|	|	0.01	157.167	0.00	0.00	0.002	O	|	|	|	|	0.01
152.083	0.00	0.00	0.003	O	|	|	|	|	0.01	157.250	0.00	0.00	0.002	O	|	|	|	|	0.01
152.167	0.00	0.00	0.003	O	|	|	|	|	0.01	157.333	0.00	0.00	0.002	O	|	|	|	|	0.01
152.250	0.00	0.00	0.003	O	|	|	|	|	0.01	157.417	0.00	0.00	0.002	O	|	|	|	|	0.01
152.333	0.00	0.00	0.003	O	|	|	|	|	0.01	157.500	0.00	0.00	0.002	O	|	|	|	|	0.01
152.417	0.00	0.00	0.003	O	|	|	|	|	0.01	157.583	0.00	0.00	0.002	O	|	|	|	|	0.01
152.500	0.00	0.00	0.003	O	|	|	|	|	0.01	157.667	0.00	0.00	0.002	O	|	|	|	|	0.01
152.583	0.00	0.00	0.003	O	|	|	|	|	0.01	157.750	0.00	0.00	0.002	O	|	|	|	|	0.01
152.667	0.00	0.00	0.003	O	|	|	|	|	0.01	157.833	0.00	0.00	0.002	O	|	|	|	|	0.01
152.750	0.00	0.00	0.003	O	|	|	|	|	0.01	157.917	0.00	0.00	0.002	O	|	|	|	|	0.01
152.833	0.00	0.00	0.003	O	|	|	|	|	0.01	158.000	0.00	0.00	0.002	O	|	|	|	|	0.01
152.917	0.00	0.00	0.003	O	|	|	|	|	0.01	158.083	0.00	0.00	0.002	O	|	|	|	|	0.01

158.167	0.00	0.00	0.002	O	|	|	|	|	0.01
158.250	0.00	0.00	0.002	O	|	|	|	|	0.01
158.333	0.00	0.00	0.002	O	|	|	|	|	0.01
158.417	0.00	0.00	0.002	O	|	|	|	|	0.01
158.500	0.00	0.00	0.002	O	|	|	|	|	0.01
158.583	0.00	0.00	0.002	O	|	|	|	|	0.01
158.667	0.00	0.00	0.002	O	|	|	|	|	0.01
158.750	0.00	0.00	0.002	O	|	|	|	|	0.01
158.833	0.00	0.00	0.002	O	|	|	|	|	0.01
158.917	0.00	0.00	0.002	O	|	|	|	|	0.01
159.000	0.00	0.00	0.002	O	|	|	|	|	0.01
159.083	0.00	0.00	0.002	O	|	|	|	|	0.01
159.167	0.00	0.00	0.001	O	|	|	|	|	0.01
159.250	0.00	0.00	0.001	O	|	|	|	|	0.01
159.333	0.00	0.00	0.001	O	|	|	|	|	0.01
159.417	0.00	0.00	0.001	O	|	|	|	|	0.01
159.500	0.00	0.00	0.001	O	|	|	|	|	0.01
159.583	0.00	0.00	0.001	O	|	|	|	|	0.01
159.667	0.00	0.00	0.001	O	|	|	|	|	0.01
159.750	0.00	0.00	0.001	O	|	|	|	|	0.00
159.833	0.00	0.00	0.001	O	|	|	|	|	0.00
159.917	0.00	0.00	0.001	O	|	|	|	|	0.00
160.000	0.00	0.00	0.001	O	|	|	|	|	0.00
160.083	0.00	0.00	0.001	O	|	|	|	|	0.00
160.167	0.00	0.00	0.001	O	|	|	|	|	0.00
160.250	0.00	0.00	0.001	O	|	|	|	|	0.00
160.333	0.00	0.00	0.001	O	|	|	|	|	0.00
160.417	0.00	0.00	0.001	O	|	|	|	|	0.00
160.500	0.00	0.00	0.001	O	|	|	|	|	0.00
160.583	0.00	0.00	0.001	O	|	|	|	|	0.00
160.667	0.00	0.00	0.001	O	|	|	|	|	0.00
160.750	0.00	0.00	0.001	O	|	|	|	|	0.00
160.833	0.00	0.00	0.001	O	|	|	|	|	0.00
160.917	0.00	0.00	0.001	O	|	|	|	|	0.00
161.000	0.00	0.00	0.001	O	|	|	|	|	0.00
161.083	0.00	0.00	0.001	O	|	|	|	|	0.00
161.167	0.00	0.00	0.001	O	|	|	|	|	0.00
161.250	0.00	0.00	0.001	O	|	|	|	|	0.00
161.333	0.00	0.00	0.001	O	|	|	|	|	0.00
161.417	0.00	0.00	0.001	O	|	|	|	|	0.00
161.500	0.00	0.00	0.001	O	|	|	|	|	0.00
161.583	0.00	0.00	0.001	O	|	|	|	|	0.00
161.667	0.00	0.00	0.001	O	|	|	|	|	0.00
161.750	0.00	0.00	0.001	O	|	|	|	|	0.00
161.833	0.00	0.00	0.001	O	|	|	|	|	0.00
161.917	0.00	0.00	0.001	O	|	|	|	|	0.00
162.000	0.00	0.00	0.001	O	|	|	|	|	0.00
162.083	0.00	0.00	0.001	O	|	|	|	|	0.00
162.167	0.00	0.00	0.001	O	|	|	|	|	0.00
162.250	0.00	0.00	0.001	O	|	|	|	|	0.00
162.333	0.00	0.00	0.001	O	|	|	|	|	0.00
162.417	0.00	0.00	0.001	O	|	|	|	|	0.00
162.500	0.00	0.00	0.001	O	|	|	|	|	0.00
162.583	0.00	0.00	0.001	O	|	|	|	|	0.00
162.667	0.00	0.00	0.001	O	|	|	|	|	0.00
162.750	0.00	0.00	0.001	O	|	|	|	|	0.00
162.833	0.00	0.00	0.001	O	|	|	|	|	0.00
162.917	0.00	0.00	0.001	O	|	|	|	|	0.00
163.000	0.00	0.00	0.001	O	|	|	|	|	0.00
163.083	0.00	0.00	0.001	O	|	|	|	|	0.00
163.167	0.00	0.00	0.001	O	|	|	|	|	0.00
163.250	0.00	0.00	0.001	O	|	|	|	|	0.00
163.333	0.00	0.00	0.001	O	|	|	|	|	0.00
163.417	0.00	0.00	0.001	O	|	|	|	|	0.00
163.500	0.00	0.00	0.001	O	|	|	|	|	0.00
163.583	0.00	0.00	0.001	O	|	|	|	|	0.00
163.667	0.00	0.00	0.001	O	|	|	|	|	0.00
163.750	0.00	0.00	0.001	O	|	|	|	|	0.00
163.833	0.00	0.00	0.001	O	|	|	|	|	0.00
163.917	0.00	0.00	0.001	O	|	|	|	|	0.00
164.000	0.00	0.00	0.001	O	|	|	|	|	0.00
164.083	0.00	0.00	0.001	O	|	|	|	|	0.00
164.167	0.00	0.00	0.001	O	|	|	|	|	0.00
164.250	0.00	0.00	0.001	O	|	|	|	|	0.00
164.333	0.00	0.00	0.001	O	|	|	|	|	0.00
164.417	0.00	0.00	0.001	O	|	|	|	|	0.00
164.500	0.00	0.00	0.001	O	|	|	|	|	0.00
164.583	0.00	0.00	0.001	O	|	|	|	|	0.00
164.667	0.00	0.00	0.001	O	|	|	|	|	0.00
164.750	0.00	0.00	0.001	O	|	|	|	|	0.00
164.833	0.00	0.00	0.001	O	|	|	|	|	0.00
164.917	0.00	0.00	0.001	O	|	|	|	|	0.00
165.000	0.00	0.00	0.001	O	|	|	|	|	0.00
165.083	0.00	0.00	0.001	O	|	|	|	|	0.00
165.167	0.00	0.00	0.001	O	|	|	|	|	0.00
165.250	0.00	0.00	0.001	O	|	|	|	|	0.00
165.333	0.00	0.00	0.001	O	|	|	|	|	0.00
165.417	0.00	0.00	0.001	O	|	|	|	|	0.00
165.500	0.00	0.00	0.001	O	|	|	|	|	0.00
165.583	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1987
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 30.284 (CFS)
Total volume = 20.256 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	284.684	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	54.534	0.000	0.000

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Process from Point/Station 5.700 to Point/Station 5.700

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 3 the total
volume of 54.53 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	78.7	157.4	236.0	314.7
0+ 5	0.1629	0.17 Q	|	|	|	|	|
0+10	0.8654	0.89 Q	|	|	|	|	|

0+15	2.2592	2.34	Q
0+20	4.1678	4.34	Q
0+25	5.7060	5.98	Q
0+30	7.6043	7.99	qQ
0+35	9.9185	10.35	|Q
0+40	11.2853	11.77	|Q
0+45	12.2366	12.76	|Q
0+50	13.0537	13.63	|Q
0+55	13.9247	14.55	|Q
1+ 0	14.7813	15.45	|Q
1+ 5	15.4129	16.13	|qQ
1+10	15.9977	16.75	| Q
1+15	16.5740	17.35	| Q
1+20	17.1680	17.98	| Q
1+25	17.8703	18.71	| Q
1+30	18.5824	19.45	| Q
1+35	19.0613	19.96	| Q
1+40	19.4635	20.40	| Q
1+45	19.8068	20.76	| Q
1+50	20.1166	21.09	| Q
1+55	20.3745	21.37	| Q
2+ 0	20.5937	21.61	| Q
2+ 5	20.7973	21.84	| Q
2+10	20.9839	22.05	| Q
2+15	21.2057	22.29	| Q
2+20	21.4750	22.59	| Q
2+25	21.8589	22.99	| Q
2+30	22.1910	23.33	| Q
2+35	22.4166	23.58	| Q
2+40	22.8330	24.01	| qQ
2+45	23.0719	24.27	| qQ
2+50	23.3093	24.52	| qQ
2+55	23.5439	24.77	| qQ
3+ 0	23.8003	25.05	| Q
3+ 5	24.0991	25.36	| Q
3+10	24.5947	25.87	| Q
3+15	25.2197	26.52	| Q
3+20	25.6993	27.01	| Q
3+25	26.3158	27.65	| Q
3+30	27.3376	28.69	| Q
3+35	29.1169	30.49	| Q
3+40	31.4509	32.84	| qQ
3+45	33.9669	35.38	| Q
3+50	37.7101	39.14	| Q
3+55	42.8403	44.29	| Q
4+ 0	48.2321	49.70	| Q
4+ 5	53.1172	54.61	| Q
4+10	57.7984	59.31	| Q
4+15	62.9316	64.46	| qQ
4+20	68.0908	69.65	| Q
4+25	73.9055	75.48	| Q|
4+30	79.9287	81.53	| Q
4+35	87.1546	88.77	| Q
4+40	94.7758	98.09	| Q
4+45	102.6336	107.86	| Q
4+50	110.3561	117.10	| Q
4+55	117.4231	125.12	| qQ
5+ 0	124.3494	133.02	| qQ
5+ 5	132.6850	142.09	| q Q
5+10	142.2470	152.42	| qQ|
5+15	152.7878	163.72	| qQ
5+20	165.0403	176.76	| q Q
5+25	181.3122	193.82	| qQ
5+30	204.2029	217.53	| q Q
5+35	235.7327	256.04	| q| Q
5+40	260.8056	287.01	| q Q
5+45	275.8054	304.73	| q Q
5+50	284.6840	314.73	| q Q
5+55	283.4397	313.72	| q Q|
6+ 0	247.1212	277.13	|q Q
6+ 5	183.9303	213.33	| q Q
6+10	149.5488	178.16	| q| Q
6+15	128.7933	156.49	| q Q|
6+20	113.4558	140.20	| q Q
6+25	100.2708	126.05	| q Q
6+30	89.2532	114.00	|q Q
6+35	79.8351	103.27	| q Q
6+40	72.1159	94.30	| q|Q
6+45	65.4041	86.40	| q Q
6+50	59.4055	79.28	| q Q
6+55	54.1366	72.94	| q Q|
7+ 0	49.6393	67.44	| q Q
7+ 5	45.5058	62.35	| q Q
7+10	41.7506	57.69	| q Q
7+15	38.6289	53.71	| q Q
7+20	35.8342	50.11	| q Q
7+25	33.2391	46.75	| qQ
7+30	31.0894	44.39	| q Q
7+35	29.4947	42.71	| q Q
7+40	28.5694	41.69	| q Q
7+45	27.7516	40.79	| q Q
7+50	26.9812	39.93	| q Q
7+55	26.2976	39.16	| qQ
8+ 0	25.6091	38.39	| qQ
8+ 5	24.9965	37.69	| qQ
8+10	24.5396	37.15	| qQ
8+15	24.1121	36.64	| qQ
8+20	23.6270	36.08	| qQ
8+25	23.0190	35.39	| q Q
8+30	22.3358	34.62	| q Q
8+35	21.7048	33.91	| q Q
8+40	21.2197	33.34	| q Q
8+45	20.7360	32.78	| q Q
8+50	20.2768	32.23	| q Q
8+55	19.8927	31.75	| q Q
9+ 0	19.5078	31.27	| qQ
9+ 5	19.1573	30.82	| qQ
9+10	18.8986	30.47	| qQ
9+15	18.6606	30.14	| qQ
9+20	18.4260	29.82	| qQ
9+25	18.1940	29.50	| qQ
9+30	17.8318	29.05	| qQ
9+35	17.4596	28.59	| qQ
9+40	17.0994	28.14	| qQ
9+45	16.7499	27.70	| qQ
9+50	16.4105	27.27	| qQ
9+55	16.0809	26.86	| qQ
10+ 0	15.7620	26.46	| qQ
10+ 5	15.4579	26.07	|q Q
10+10	15.1706	25.69	|q Q
10+15	14.8995	25.31	|q Q
10+20	14.6436	24.95	|q Q
10+25	14.4018	24.61	|q Q
10+30	14.1733	24.28	|q Q

10+35	13.9572	23.96	|q Q				
10+40	13.7528	23.66	|q Q				
10+45	13.5592	23.37	|qQ				
10+50	13.3758	23.08	|qQ				
10+55	13.2020	22.81	|qQ				
11+ 0	13.0372	22.55	|qQ				
11+ 5	12.8807	22.30	|qQ				
11+10	12.7320	22.06	|qQ				
11+15	12.5907	21.83	|qQ				
11+20	12.4563	21.60	|qQ				
11+25	12.3282	21.38	|qQ				
11+30	12.2059	21.17	|qQ				
11+35	12.0889	20.96	|qQ				
11+40	11.9768	20.76	|qQ				
11+45	11.8693	20.54	|qQ				
11+50	11.7661	20.31	|qQ				
11+55	11.6671	20.09	|qQ				
12+ 0	11.5718	19.88	|qQ				
12+ 5	11.4801	19.67	|qQ				
12+10	11.3918	19.46	|qQ				
12+15	11.3066	19.26	|qQ				
12+20	11.2245	19.07	|qQ				
12+25	11.1450	18.88	|qQ				
12+30	11.0682	18.69	|qQ				
12+35	10.9939	18.51	|qQ				
12+40	10.9218	18.33	|qQ				
12+45	10.8519	18.16	|qQ				
12+50	10.7838	17.98	|qQ				
12+55	10.7172	17.82	|qQ				
13+ 0	10.6521	17.65	|qQ				
13+ 5	10.5884	17.49	|qQ				
13+10	10.5259	17.33	|qQ				
13+15	10.4646	17.17	|qQ				
13+20	10.4045	17.01	|qQ				
13+25	10.3455	16.86	|qQ				
13+30	10.2875	16.71	|qQ				
13+35	10.2305	16.54	|qQ				
13+40	10.1745	16.30	|qQ				
13+45	10.1193	16.07	|qQ				
13+50	10.0649	15.84	|qQ				
13+55	10.0113	15.62	|Q				
14+ 0	9.9585	15.40	|Q				
14+ 5	9.9063	15.19	|Q				
14+10	9.8542	14.98	|Q				
14+15	9.8021	14.78	|Q				
14+20	9.7502	14.58	|Q				
14+25	9.6983	14.39	|Q				
14+30	9.6465	14.20	|Q				
14+35	9.5948	14.01	|Q				
14+40	9.5433	13.83	|Q				
14+45	9.4918	13.65	|Q				
14+50	9.4405	13.48	|Q				
14+55	9.3894	13.31	|Q				
15+ 0	9.3383	13.14	|Q				
15+ 5	9.2875	12.98	|Q				
15+10	9.2368	12.82	|Q				
15+15	9.1863	12.67	|Q				
15+20	9.1357	12.51	|Q				
15+25	9.0847	12.36	|Q				
15+30	9.0331	12.22	|Q				
15+35	8.9810	12.07	|Q				
15+40	8.9284	11.93	|Q				
15+45	8.8755	11.79	|Q				
15+50	8.8222	11.65	|Q				
15+55	8.7687	11.51	|Q				
16+ 0	8.7149	11.38	|Q				
16+ 5	8.6609	11.24	|Q				
16+10	8.6068	11.11	|Q				
16+15	8.5525	10.99	|Q				
16+20	8.4981	10.86	|Q				
16+25	8.4437	10.74	|Q				
16+30	8.3889	10.62	|Q				
16+35	8.3331	10.49	|Q				
16+40	8.2759	10.37	|Q				
16+45	8.2174	10.25	|Q				
16+50	8.1577	10.13	|Q				
16+55	8.0970	10.02	|Q				
17+ 0	8.0355	9.90	|Q				
17+ 5	7.9731	9.78	|Q				
17+10	7.9100	9.66	|Q				
17+15	7.8463	9.55	qQ				
17+20	7.7821	9.44	qQ				
17+25	7.7174	9.34	qQ				
17+30	7.6524	9.27	qQ				
17+35	7.5871	9.21	qQ				
17+40	7.5211	9.14	qQ				
17+45	7.4538	9.07	qQ				
17+50	7.3851	9.00	qQ				
17+55	7.3153	8.93	qQ				
18+ 0	7.2445	8.86	qQ				
18+ 5	7.1727	8.79	qQ				
18+10	7.1003	8.72	qQ				
18+15	7.0271	8.64	qQ				
18+20	6.9535	8.57	qQ				
18+25	6.8795	8.49	qQ				
18+30	6.8051	8.42	qQ				
18+35	6.7296	8.34	qQ				
18+40	6.6520	8.26	qQ				
18+45	6.5721	8.18	qQ				
18+50	6.4903	8.10	qQ				
18+55	6.4069	8.02	qQ				
19+ 0	6.3220	7.93	qQ				
19+ 5	6.2359	7.84	Q				
19+10	6.1489	7.76	Q				
19+15	6.0611	7.67	Q				
19+20	5.9726	7.58	Q				
19+25	5.9193	7.53	Q				
19+30	5.9174	7.52	Q				
19+35	5.9153	7.52	Q				
19+40	5.9131	7.52	Q				
19+45	5.9107	7.52	Q				
19+50	5.9081	7.51	Q				
19+55	5.9053	7.51	Q				
20+ 0	5.9023	7.51	Q				
20+ 5	5.8992	7.50	Q				
20+10	5.8960	7.50	Q				
20+15	5.8926	7.49	Q				
20+20	5.8890	7.49	Q				
20+25	5.5999	7.20	Q				
20+30	5.3211	6.92	Q				
20+35	5.0701	6.67	Q				
20+40	4.8442	6.44	Q				
20+45	4.6409	6.24	Q				
20+50	4.4578	6.06	Q				

20+55	4.2929	5.89	Q					26+ 5	0.0000	1.56	Q								
21+ 0	4.1443	5.74	Q					26+10	0.0000	1.56	Q								
21+ 5	4.0105	5.61	Q					26+15	0.0000	1.56	Q								
21+10	3.8898	5.49	Q					26+20	0.0000	1.56	Q								
21+15	3.7810	5.38	Q					26+25	0.0000	1.56	Q								
21+20	3.6829	5.28	Q					26+30	0.0000	1.56	Q								
21+25	3.5944	5.19	Q					26+35	0.0000	1.56	Q								
21+30	3.5144	5.11	Q					26+40	0.0000	1.56	Q								
21+35	3.4422	5.04	Q					26+45	0.0000	1.56	Q								
21+40	3.3770	4.97	Q					26+50	0.0000	1.56	Q								
21+45	3.3180	4.91	Q					26+55	0.0000	1.56	Q								
21+50	3.2647	4.86	Q					27+ 0	0.0000	1.56	Q								
21+55	3.2164	4.81	Q					27+ 5	0.0000	1.55	Q								
22+ 0	3.1726	4.76	Q					27+10	0.0000	1.55	Q								
22+ 5	3.1329	4.72	Q					27+15	0.0000	1.55	Q								
22+10	3.0969	4.69	Q					27+20	0.0000	1.55	Q								
22+15	3.0641	4.65	Q					27+25	0.0000	1.55	Q								
22+20	3.0344	4.62	Q					27+30	0.0000	1.55	Q								
22+25	3.0072	4.59	Q					27+35	0.0000	1.55	Q								
22+30	2.9825	4.57	Q					27+40	0.0000	1.55	Q								
22+35	2.9599	4.55	Q					27+45	0.0000	1.55	Q								
22+40	2.9393	4.53	Q					27+50	0.0000	1.55	Q								
22+45	2.9204	4.51	Q					27+55	0.0000	1.55	Q								
22+50	2.9031	4.49	Q					28+ 0	0.0000	1.55	Q								
22+55	2.8871	4.47	Q					28+ 5	0.0000	1.55	Q								
23+ 0	2.8724	4.46	Q					28+10	0.0000	1.55	Q								
23+ 5	2.8589	4.44	Q					28+15	0.0000	1.55	Q								
23+10	2.8464	4.43	Q					28+20	0.0000	1.54	Q								
23+15	2.8348	4.42	Q					28+25	0.0000	1.54	Q								
23+20	2.8240	4.41	Q					28+30	0.0000	1.54	Q								
23+25	2.8139	4.40	Q					28+35	0.0000	1.54	Q								
23+30	2.8046	4.39	Q					28+40	0.0000	1.54	Q								
23+35	2.7958	4.38	Q					28+45	0.0000	1.54	Q								
23+40	2.7876	4.37	Q					28+50	0.0000	1.54	Q								
23+45	2.7798	4.36	Q					28+55	0.0000	1.54	Q								
23+50	2.7725	4.35	Q					29+ 0	0.0000	1.54	Q								
23+55	2.7656	4.34	Q					29+ 5	0.0000	1.54	Q								
24+ 0	2.7590	4.34	Q					29+10	0.0000	1.54	Q								
24+ 5	2.7527	4.33	Q					29+15	0.0000	1.54	Q								
24+10	2.7468	4.32	Q					29+20	0.0000	1.54	Q								
24+15	2.7411	4.32	Q					29+25	0.0000	1.54	Q								
24+20	2.7356	4.31	Q					29+30	0.0000	1.54	Q								
24+25	2.7303	4.31	Q					29+35	0.0000	1.53	Q								
24+30	2.7252	4.30	Q					29+40	0.0000	1.53	Q								
24+35	2.7196	4.29	Q					29+45	0.0000	1.53	Q								
24+40	2.7138	4.29	Q					29+50	0.0000	1.53	Q								
24+45	2.7081	4.28	Q					29+55	0.0000	1.53	Q								
24+50	2.7026	4.27	Q					30+ 0	0.0000	1.53	Q								
24+55	2.6972	4.27	Q					30+ 5	0.0000	1.53	Q								
25+ 0	2.6920	4.26	Q					30+10	0.0000	1.53	Q								
25+ 5	0.0000	1.57	Q					30+15	0.0000	1.53	Q								
25+10	0.0000	1.57	Q					30+20	0.0000	1.53	Q								
25+15	0.0000	1.57	Q					30+25	0.0000	1.53	Q								
25+20	0.0000	1.57	Q					30+30	0.0000	1.53	Q								
25+25	0.0000	1.57	Q					30+35	0.0000	1.53	Q								
25+30	0.0000	1.57	Q					30+40	0.0000	1.53	Q								
25+35	0.0000	1.57	Q					30+45	0.0000	1.53	Q								
25+40	0.0000	1.57	Q					30+50	0.0000	1.52	Q								
25+45	0.0000	1.57	Q					30+55	0.0000	1.52	Q								
25+50	0.0000	1.56	Q					31+ 0	0.0000	1.52	Q								
25+55	0.0000	1.56	Q					31+ 5	0.0000	1.52	Q								
26+ 0	0.0000	1.56	Q					31+10	0.0000	1.52	Q								

31+15	0.0000	1.52	Q					36+25	0.0000	1.48	Q				
31+20	0.0000	1.52	Q					36+30	0.0000	1.48	Q				
31+25	0.0000	1.52	Q					36+35	0.0000	1.48	Q				
31+30	0.0000	1.52	Q					36+40	0.0000	1.48	Q				
31+35	0.0000	1.52	Q					36+45	0.0000	1.48	Q				
31+40	0.0000	1.52	Q					36+50	0.0000	1.48	Q				
31+45	0.0000	1.52	Q					36+55	0.0000	1.48	Q				
31+50	0.0000	1.52	Q					37+ 0	0.0000	1.47	Q				
31+55	0.0000	1.52	Q					37+ 5	0.0000	1.47	Q				
32+ 0	0.0000	1.52	Q					37+10	0.0000	1.47	Q				
32+ 5	0.0000	1.51	Q					37+15	0.0000	1.47	Q				
32+10	0.0000	1.51	Q					37+20	0.0000	1.47	Q				
32+15	0.0000	1.51	Q					37+25	0.0000	1.47	Q				
32+20	0.0000	1.51	Q					37+30	0.0000	1.47	Q				
32+25	0.0000	1.51	Q					37+35	0.0000	1.47	Q				
32+30	0.0000	1.51	Q					37+40	0.0000	1.47	Q				
32+35	0.0000	1.51	Q					37+45	0.0000	1.47	Q				
32+40	0.0000	1.51	Q					37+50	0.0000	1.47	Q				
32+45	0.0000	1.51	Q					37+55	0.0000	1.47	Q				
32+50	0.0000	1.51	Q					38+ 0	0.0000	1.47	Q				
32+55	0.0000	1.51	Q					38+ 5	0.0000	1.47	Q				
33+ 0	0.0000	1.51	Q					38+10	0.0000	1.47	Q				
33+ 5	0.0000	1.51	Q					38+15	0.0000	1.46	Q				
33+10	0.0000	1.51	Q					38+20	0.0000	1.46	Q				
33+15	0.0000	1.51	Q					38+25	0.0000	1.46	Q				
33+20	0.0000	1.50	Q					38+30	0.0000	1.46	Q				
33+25	0.0000	1.50	Q					38+35	0.0000	1.46	Q				
33+30	0.0000	1.50	Q					38+40	0.0000	1.46	Q				
33+35	0.0000	1.50	Q					38+45	0.0000	1.46	Q				
33+40	0.0000	1.50	Q					38+50	0.0000	1.46	Q				
33+45	0.0000	1.50	Q					38+55	0.0000	1.46	Q				
33+50	0.0000	1.50	Q					39+ 0	0.0000	1.46	Q				
33+55	0.0000	1.50	Q					39+ 5	0.0000	1.46	Q				
34+ 0	0.0000	1.50	Q					39+10	0.0000	1.46	Q				
34+ 5	0.0000	1.50	Q					39+15	0.0000	1.46	Q				
34+10	0.0000	1.50	Q					39+20	0.0000	1.46	Q				
34+15	0.0000	1.50	Q					39+25	0.0000	1.46	Q				
34+20	0.0000	1.50	Q					39+30	0.0000	1.45	Q				
34+25	0.0000	1.50	Q					39+35	0.0000	1.45	Q				
34+30	0.0000	1.50	Q					39+40	0.0000	1.45	Q				
34+35	0.0000	1.49	Q					39+45	0.0000	1.45	Q				
34+40	0.0000	1.49	Q					39+50	0.0000	1.45	Q				
34+45	0.0000	1.49	Q					39+55	0.0000	1.45	Q				
34+50	0.0000	1.49	Q					40+ 0	0.0000	1.45	Q				
34+55	0.0000	1.49	Q					40+ 5	0.0000	1.45	Q				
35+ 0	0.0000	1.49	Q					40+10	0.0000	1.45	Q				
35+ 5	0.0000	1.49	Q					40+15	0.0000	1.45	Q				
35+10	0.0000	1.49	Q					40+20	0.0000	1.45	Q				
35+15	0.0000	1.49	Q					40+25	0.0000	1.45	Q				
35+20	0.0000	1.49	Q					40+30	0.0000	1.45	Q				
35+25	0.0000	1.49	Q					40+35	0.0000	1.45	Q				
35+30	0.0000	1.49	Q					40+40	0.0000	1.44	Q				
35+35	0.0000	1.49	Q					40+45	0.0000	1.44	Q				
35+40	0.0000	1.49	Q					40+50	0.0000	1.44	Q				
35+45	0.0000	1.48	Q					40+55	0.0000	1.44	Q				
35+50	0.0000	1.48	Q					41+ 0	0.0000	1.44	Q				
35+55	0.0000	1.48	Q					41+ 5	0.0000	1.44	Q				
36+ 0	0.0000	1.48	Q					41+10	0.0000	1.44	Q				
36+ 5	0.0000	1.48	Q					41+15	0.0000	1.44	Q				
36+10	0.0000	1.48	Q					41+20	0.0000	1.44	Q				
36+15	0.0000	1.48	Q					41+25	0.0000	1.44	Q				
36+20	0.0000	1.48	Q					41+30	0.0000	1.44	Q				

41+35	0.0000	1.44	Q					46+45	0.0000	1.39	Q				
41+40	0.0000	1.44	Q					46+50	0.0000	1.39	Q				
41+45	0.0000	1.44	Q					46+55	0.0000	1.39	Q				
41+50	0.0000	1.43	Q					47+ 0	0.0000	1.39	Q				
41+55	0.0000	1.43	Q					47+ 5	0.0000	1.39	Q				
42+ 0	0.0000	1.43	Q					47+10	0.0000	1.39	Q				
42+ 5	0.0000	1.43	Q					47+15	0.0000	1.39	Q				
42+10	0.0000	1.43	Q					47+20	0.0000	1.39	Q				
42+15	0.0000	1.43	Q					47+25	0.0000	1.39	Q				
42+20	0.0000	1.43	Q					47+30	0.0000	1.39	Q				
42+25	0.0000	1.43	Q					47+35	0.0000	1.39	Q				
42+30	0.0000	1.43	Q					47+40	0.0000	1.39	Q				
42+35	0.0000	1.43	Q					47+45	0.0000	1.38	Q				
42+40	0.0000	1.43	Q					47+50	0.0000	1.38	Q				
42+45	0.0000	1.43	Q					47+55	0.0000	1.38	Q				
42+50	0.0000	1.43	Q					48+ 0	0.0000	1.38	Q				
42+55	0.0000	1.43	Q					48+ 5	0.0000	1.38	Q				
43+ 0	0.0000	1.43	Q					48+10	0.0000	1.38	Q				
43+ 5	0.0000	1.42	Q					48+15	0.0000	1.38	Q				
43+10	0.0000	1.42	Q					48+20	0.0000	1.38	Q				
43+15	0.0000	1.42	Q					48+25	0.0000	1.38	Q				
43+20	0.0000	1.42	Q					48+30	0.0000	1.38	Q				
43+25	0.0000	1.42	Q					48+35	0.0000	1.38	Q				
43+30	0.0000	1.42	Q					48+40	0.0000	1.37	Q				
43+35	0.0000	1.42	Q					48+45	0.0000	1.37	Q				
43+40	0.0000	1.42	Q					48+50	0.0000	1.37	Q				
43+45	0.0000	1.42	Q					48+55	0.0000	1.37	Q				
43+50	0.0000	1.42	Q					49+ 0	0.0000	1.37	Q				
43+55	0.0000	1.42	Q					49+ 5	0.0000	1.37	Q				
44+ 0	0.0000	1.42	Q					49+10	0.0000	1.37	Q				
44+ 5	0.0000	1.42	Q					49+15	0.0000	1.37	Q				
44+10	0.0000	1.42	Q					49+20	0.0000	1.37	Q				
44+15	0.0000	1.41	Q					49+25	0.0000	1.37	Q				
44+20	0.0000	1.41	Q					49+30	0.0000	1.37	Q				
44+25	0.0000	1.41	Q					49+35	0.0000	1.36	Q				
44+30	0.0000	1.41	Q					49+40	0.0000	1.36	Q				
44+35	0.0000	1.41	Q					49+45	0.0000	1.36	Q				
44+40	0.0000	1.41	Q					49+50	0.0000	1.36	Q				
44+45	0.0000	1.41	Q					49+55	0.0000	1.36	Q				
44+50	0.0000	1.41	Q					50+ 0	0.0000	1.36	Q				
44+55	0.0000	1.41	Q					50+ 5	0.0000	1.36	Q				
45+ 0	0.0000	1.41	Q					50+10	0.0000	1.36	Q				
45+ 5	0.0000	1.41	Q					50+15	0.0000	1.36	Q				
45+10	0.0000	1.41	Q					50+20	0.0000	1.36	Q				
45+15	0.0000	1.41	Q					50+25	0.0000	1.36	Q				
45+20	0.0000	1.41	Q					50+30	0.0000	1.36	Q				
45+25	0.0000	1.40	Q					50+35	0.0000	1.35	Q				
45+30	0.0000	1.40	Q					50+40	0.0000	1.35	Q				
45+35	0.0000	1.40	Q					50+45	0.0000	1.35	Q				
45+40	0.0000	1.40	Q					50+50	0.0000	1.35	Q				
45+45	0.0000	1.40	Q					50+55	0.0000	1.35	Q				
45+50	0.0000	1.40	Q					51+ 0	0.0000	1.35	Q				
45+55	0.0000	1.40	Q					51+ 5	0.0000	1.35	Q				
46+ 0	0.0000	1.40	Q					51+10	0.0000	1.35	Q				
46+ 5	0.0000	1.40	Q					51+15	0.0000	1.35	Q				
46+10	0.0000	1.40	Q					51+20	0.0000	1.35	Q				
46+15	0.0000	1.40	Q					51+25	0.0000	1.35	Q				
46+20	0.0000	1.40	Q					51+30	0.0000	1.34	Q				
46+25	0.0000	1.40	Q					51+35	0.0000	1.34	Q				
46+30	0.0000	1.40	Q					51+40	0.0000	1.34	Q				
46+35	0.0000	1.40	Q					51+45	0.0000	1.34	Q				
46+40	0.0000	1.39	Q					51+50	0.0000	1.34	Q				

51+55	0.0000	1.34	Q					57+ 5	0.0000	1.29	Q				
52+ 0	0.0000	1.34	Q					57+10	0.0000	1.29	Q				
52+ 5	0.0000	1.34	Q					57+15	0.0000	1.29	Q				
52+10	0.0000	1.34	Q					57+20	0.0000	1.29	Q				
52+15	0.0000	1.34	Q					57+25	0.0000	1.29	Q				
52+20	0.0000	1.34	Q					57+30	0.0000	1.28	Q				
52+25	0.0000	1.34	Q					57+35	0.0000	1.28	Q				
52+30	0.0000	1.33	Q					57+40	0.0000	1.28	Q				
52+35	0.0000	1.33	Q					57+45	0.0000	1.28	Q				
52+40	0.0000	1.33	Q					57+50	0.0000	1.28	Q				
52+45	0.0000	1.33	Q					57+55	0.0000	1.28	Q				
52+50	0.0000	1.33	Q					58+ 0	0.0000	1.28	Q				
52+55	0.0000	1.33	Q					58+ 5	0.0000	1.28	Q				
53+ 0	0.0000	1.33	Q					58+10	0.0000	1.28	Q				
53+ 5	0.0000	1.33	Q					58+15	0.0000	1.28	Q				
53+10	0.0000	1.33	Q					58+20	0.0000	1.28	Q				
53+15	0.0000	1.33	Q					58+25	0.0000	1.28	Q				
53+20	0.0000	1.33	Q					58+30	0.0000	1.27	Q				
53+25	0.0000	1.33	Q					58+35	0.0000	1.27	Q				
53+30	0.0000	1.32	Q					58+40	0.0000	1.27	Q				
53+35	0.0000	1.32	Q					58+45	0.0000	1.27	Q				
53+40	0.0000	1.32	Q					58+50	0.0000	1.27	Q				
53+45	0.0000	1.32	Q					58+55	0.0000	1.27	Q				
53+50	0.0000	1.32	Q					59+ 0	0.0000	1.27	Q				
53+55	0.0000	1.32	Q					59+ 5	0.0000	1.27	Q				
54+ 0	0.0000	1.32	Q					59+10	0.0000	1.27	Q				
54+ 5	0.0000	1.32	Q					59+15	0.0000	1.27	Q				
54+10	0.0000	1.32	Q					59+20	0.0000	1.27	Q				
54+15	0.0000	1.32	Q					59+25	0.0000	1.27	Q				
54+20	0.0000	1.32	Q					59+30	0.0000	1.26	Q				
54+25	0.0000	1.32	Q					59+35	0.0000	1.26	Q				
54+30	0.0000	1.31	Q					59+40	0.0000	1.26	Q				
54+35	0.0000	1.31	Q					59+45	0.0000	1.26	Q				
54+40	0.0000	1.31	Q					59+50	0.0000	1.26	Q				
54+45	0.0000	1.31	Q					59+55	0.0000	1.26	Q				
54+50	0.0000	1.31	Q					60+ 0	0.0000	1.26	Q				
54+55	0.0000	1.31	Q					60+ 5	0.0000	1.26	Q				
55+ 0	0.0000	1.31	Q					60+10	0.0000	1.26	Q				
55+ 5	0.0000	1.31	Q					60+15	0.0000	1.26	Q				
55+10	0.0000	1.31	Q					60+20	0.0000	1.26	Q				
55+15	0.0000	1.31	Q					60+25	0.0000	1.26	Q				
55+20	0.0000	1.31	Q					60+30	0.0000	1.26	Q				
55+25	0.0000	1.31	Q					60+35	0.0000	1.25	Q				
55+30	0.0000	1.30	Q					60+40	0.0000	1.25	Q				
55+35	0.0000	1.30	Q					60+45	0.0000	1.25	Q				
55+40	0.0000	1.30	Q					60+50	0.0000	1.25	Q				
55+45	0.0000	1.30	Q					60+55	0.0000	1.25	Q				
55+50	0.0000	1.30	Q					61+ 0	0.0000	1.25	Q				
55+55	0.0000	1.30	Q					61+ 5	0.0000	1.25	Q				
56+ 0	0.0000	1.30	Q					61+10	0.0000	1.25	Q				
56+ 5	0.0000	1.30	Q					61+15	0.0000	1.25	Q				
56+10	0.0000	1.30	Q					61+20	0.0000	1.25	Q				
56+15	0.0000	1.30	Q					61+25	0.0000	1.25	Q				
56+20	0.0000	1.30	Q					61+30	0.0000	1.24	Q				
56+25	0.0000	1.30	Q					61+35	0.0000	1.24	Q				
56+30	0.0000	1.29	Q					61+40	0.0000	1.24	Q				
56+35	0.0000	1.29	Q					61+45	0.0000	1.24	Q				
56+40	0.0000	1.29	Q					61+50	0.0000	1.24	Q				
56+45	0.0000	1.29	Q					61+55	0.0000	1.24	Q				
56+50	0.0000	1.29	Q					62+ 0	0.0000	1.24	Q				
56+55	0.0000	1.29	Q					62+ 5	0.0000	1.24	Q				
57+ 0	0.0000	1.29	Q					62+10	0.0000	1.24	Q				

62+15	0.0000	1.24	Q					67+25	0.0000	1.18	Q				
62+20	0.0000	1.24	Q					67+30	0.0000	1.18	Q				
62+25	0.0000	1.23	Q					67+35	0.0000	1.18	Q				
62+30	0.0000	1.23	Q					67+40	0.0000	1.18	Q				
62+35	0.0000	1.23	Q					67+45	0.0000	1.18	Q				
62+40	0.0000	1.23	Q					67+50	0.0000	1.18	Q				
62+45	0.0000	1.23	Q					67+55	0.0000	1.17	Q				
62+50	0.0000	1.23	Q					68+ 0	0.0000	1.17	Q				
62+55	0.0000	1.23	Q					68+ 5	0.0000	1.17	Q				
63+ 0	0.0000	1.23	Q					68+10	0.0000	1.17	Q				
63+ 5	0.0000	1.23	Q					68+15	0.0000	1.17	Q				
63+10	0.0000	1.23	Q					68+20	0.0000	1.17	Q				
63+15	0.0000	1.23	Q					68+25	0.0000	1.17	Q				
63+20	0.0000	1.22	Q					68+30	0.0000	1.17	Q				
63+25	0.0000	1.22	Q					68+35	0.0000	1.17	Q				
63+30	0.0000	1.22	Q					68+40	0.0000	1.17	Q				
63+35	0.0000	1.22	Q					68+45	0.0000	1.17	Q				
63+40	0.0000	1.22	Q					68+50	0.0000	1.16	Q				
63+45	0.0000	1.22	Q					68+55	0.0000	1.16	Q				
63+50	0.0000	1.22	Q					69+ 0	0.0000	1.16	Q				
63+55	0.0000	1.22	Q					69+ 5	0.0000	1.16	Q				
64+ 0	0.0000	1.22	Q					69+10	0.0000	1.16	Q				
64+ 5	0.0000	1.22	Q					69+15	0.0000	1.16	Q				
64+10	0.0000	1.21	Q					69+20	0.0000	1.16	Q				
64+15	0.0000	1.21	Q					69+25	0.0000	1.16	Q				
64+20	0.0000	1.21	Q					69+30	0.0000	1.16	Q				
64+25	0.0000	1.21	Q					69+35	0.0000	1.16	Q				
64+30	0.0000	1.21	Q					69+40	0.0000	1.16	Q				
64+35	0.0000	1.21	Q					69+45	0.0000	1.16	Q				
64+40	0.0000	1.21	Q					69+50	0.0000	1.15	Q				
64+45	0.0000	1.21	Q					69+55	0.0000	1.15	Q				
64+50	0.0000	1.21	Q					70+ 0	0.0000	1.15	Q				
64+55	0.0000	1.21	Q					70+ 5	0.0000	1.15	Q				
65+ 0	0.0000	1.21	Q					70+10	0.0000	1.15	Q				
65+ 5	0.0000	1.20	Q					70+15	0.0000	1.15	Q				
65+10	0.0000	1.20	Q					70+20	0.0000	1.15	Q				
65+15	0.0000	1.20	Q					70+25	0.0000	1.15	Q				
65+20	0.0000	1.20	Q					70+30	0.0000	1.15	Q				
65+25	0.0000	1.20	Q					70+35	0.0000	1.15	Q				
65+30	0.0000	1.20	Q					70+40	0.0000	1.15	Q				
65+35	0.0000	1.20	Q					70+45	0.0000	1.14	Q				
65+40	0.0000	1.20	Q					70+50	0.0000	1.14	Q				
65+45	0.0000	1.20	Q					70+55	0.0000	1.14	Q				
65+50	0.0000	1.20	Q					71+ 0	0.0000	1.14	Q				
65+55	0.0000	1.20	Q					71+ 5	0.0000	1.14	Q				
66+ 0	0.0000	1.19	Q					71+10	0.0000	1.14	Q				
66+ 5	0.0000	1.19	Q					71+15	0.0000	1.14	Q				
66+10	0.0000	1.19	Q					71+20	0.0000	1.14	Q				
66+15	0.0000	1.19	Q					71+25	0.0000	1.14	Q				
66+20	0.0000	1.19	Q					71+30	0.0000	1.14	Q				
66+25	0.0000	1.19	Q					71+35	0.0000	1.14	Q				
66+30	0.0000	1.19	Q					71+40	0.0000	1.14	Q				
66+35	0.0000	1.19	Q					71+45	0.0000	1.13	Q				
66+40	0.0000	1.19	Q					71+50	0.0000	1.13	Q				
66+45	0.0000	1.19	Q					71+55	0.0000	1.13	Q				
66+50	0.0000	1.19	Q					72+ 0	0.0000	1.13	Q				
66+55	0.0000	1.19	Q					72+ 5	0.0000	1.13	Q				
67+ 0	0.0000	1.18	Q					72+10	0.0000	1.13	Q				
67+ 5	0.0000	1.18	Q					72+15	0.0000	1.13	Q				
67+10	0.0000	1.18	Q					72+20	0.0000	1.13	Q				
67+15	0.0000	1.18	Q					72+25	0.0000	1.13	Q				
67+20	0.0000	1.18	Q					72+30	0.0000	1.13	Q				

72+35	0.0000	1.13	Q					77+45	0.0000	1.06	Q				
72+40	0.0000	1.12	Q					77+50	0.0000	1.05	Q				
72+45	0.0000	1.12	Q					77+55	0.0000	1.05	Q				
72+50	0.0000	1.12	Q					78+ 0	0.0000	1.05	Q				
72+55	0.0000	1.12	Q					78+ 5	0.0000	1.05	Q				
73+ 0	0.0000	1.12	Q					78+10	0.0000	1.05	Q				
73+ 5	0.0000	1.12	Q					78+15	0.0000	1.05	Q				
73+10	0.0000	1.12	Q					78+20	0.0000	1.05	Q				
73+15	0.0000	1.12	Q					78+25	0.0000	1.05	Q				
73+20	0.0000	1.12	Q					78+30	0.0000	1.04	Q				
73+25	0.0000	1.12	Q					78+35	0.0000	1.04	Q				
73+30	0.0000	1.12	Q					78+40	0.0000	1.04	Q				
73+35	0.0000	1.12	Q					78+45	0.0000	1.04	Q				
73+40	0.0000	1.11	Q					78+50	0.0000	1.04	Q				
73+45	0.0000	1.11	Q					78+55	0.0000	1.04	Q				
73+50	0.0000	1.11	Q					79+ 0	0.0000	1.04	Q				
73+55	0.0000	1.11	Q					79+ 5	0.0000	1.04	Q				
74+ 0	0.0000	1.11	Q					79+10	0.0000	1.03	Q				
74+ 5	0.0000	1.11	Q					79+15	0.0000	1.03	Q				
74+10	0.0000	1.11	Q					79+20	0.0000	1.03	Q				
74+15	0.0000	1.11	Q					79+25	0.0000	1.03	Q				
74+20	0.0000	1.11	Q					79+30	0.0000	1.03	Q				
74+25	0.0000	1.11	Q					79+35	0.0000	1.03	Q				
74+30	0.0000	1.10	Q					79+40	0.0000	1.03	Q				
74+35	0.0000	1.10	Q					79+45	0.0000	1.03	Q				
74+40	0.0000	1.10	Q					79+50	0.0000	1.03	Q				
74+45	0.0000	1.10	Q					79+55	0.0000	1.02	Q				
74+50	0.0000	1.10	Q					80+ 0	0.0000	1.02	Q				
74+55	0.0000	1.10	Q					80+ 5	0.0000	1.02	Q				
75+ 0	0.0000	1.10	Q					80+10	0.0000	1.02	Q				
75+ 5	0.0000	1.10	Q					80+15	0.0000	1.02	Q				
75+10	0.0000	1.09	Q					80+20	0.0000	1.02	Q				
75+15	0.0000	1.09	Q					80+25	0.0000	1.02	Q				
75+20	0.0000	1.09	Q					80+30	0.0000	1.02	Q				
75+25	0.0000	1.09	Q					80+35	0.0000	1.01	Q				
75+30	0.0000	1.09	Q					80+40	0.0000	1.01	Q				
75+35	0.0000	1.09	Q					80+45	0.0000	1.01	Q				
75+40	0.0000	1.09	Q					80+50	0.0000	1.01	Q				
75+45	0.0000	1.09	Q					80+55	0.0000	1.01	Q				
75+50	0.0000	1.08	Q					81+ 0	0.0000	1.01	Q				
75+55	0.0000	1.08	Q					81+ 5	0.0000	1.01	Q				
76+ 0	0.0000	1.08	Q					81+10	0.0000	1.01	Q				
76+ 5	0.0000	1.08	Q					81+15	0.0000	1.01	Q				
76+10	0.0000	1.08	Q					81+20	0.0000	1.00	Q				
76+15	0.0000	1.08	Q					81+25	0.0000	1.00	Q				
76+20	0.0000	1.08	Q					81+30	0.0000	1.00	Q				
76+25	0.0000	1.08	Q					81+35	0.0000	1.00	Q				
76+30	0.0000	1.07	Q					81+40	0.0000	1.00	Q				
76+35	0.0000	1.07	Q					81+45	0.0000	1.00	Q				
76+40	0.0000	1.07	Q					81+50	0.0000	1.00	Q				
76+45	0.0000	1.07	Q					81+55	0.0000	1.00	Q				
76+50	0.0000	1.07	Q					82+ 0	0.0000	0.99	Q				
76+55	0.0000	1.07	Q					82+ 5	0.0000	0.99	Q				
77+ 0	0.0000	1.07	Q					82+10	0.0000	0.99	Q				
77+ 5	0.0000	1.07	Q					82+15	0.0000	0.99	Q				
77+10	0.0000	1.06	Q					82+20	0.0000	0.99	Q				
77+15	0.0000	1.06	Q					82+25	0.0000	0.99	Q				
77+20	0.0000	1.06	Q					82+30	0.0000	0.99	Q				
77+25	0.0000	1.06	Q					82+35	0.0000	0.99	Q				
77+30	0.0000	1.06	Q					82+40	0.0000	0.99	Q				
77+35	0.0000	1.06	Q					82+45	0.0000	0.98	Q				
77+40	0.0000	1.06	Q					82+50	0.0000	0.98	Q				

82+55	0.0000	0.98	Q					88+ 5	0.0000	0.91	Q				
83+ 0	0.0000	0.98	Q					88+10	0.0000	0.91	Q				
83+ 5	0.0000	0.98	Q					88+15	0.0000	0.90	Q				
83+10	0.0000	0.98	Q					88+20	0.0000	0.90	Q				
83+15	0.0000	0.98	Q					88+25	0.0000	0.90	Q				
83+20	0.0000	0.98	Q					88+30	0.0000	0.90	Q				
83+25	0.0000	0.98	Q					88+35	0.0000	0.90	Q				
83+30	0.0000	0.97	Q					88+40	0.0000	0.90	Q				
83+35	0.0000	0.97	Q					88+45	0.0000	0.90	Q				
83+40	0.0000	0.97	Q					88+50	0.0000	0.89	Q				
83+45	0.0000	0.97	Q					88+55	0.0000	0.89	Q				
83+50	0.0000	0.97	Q					89+ 0	0.0000	0.89	Q				
83+55	0.0000	0.97	Q					89+ 5	0.0000	0.89	Q				
84+ 0	0.0000	0.97	Q					89+10	0.0000	0.89	Q				
84+ 5	0.0000	0.97	Q					89+15	0.0000	0.89	Q				
84+10	0.0000	0.97	Q					89+20	0.0000	0.88	Q				
84+15	0.0000	0.96	Q					89+25	0.0000	0.88	Q				
84+20	0.0000	0.96	Q					89+30	0.0000	0.88	Q				
84+25	0.0000	0.96	Q					89+35	0.0000	0.88	Q				
84+30	0.0000	0.96	Q					89+40	0.0000	0.88	Q				
84+35	0.0000	0.96	Q					89+45	0.0000	0.88	Q				
84+40	0.0000	0.96	Q					89+50	0.0000	0.88	Q				
84+45	0.0000	0.96	Q					89+55	0.0000	0.87	Q				
84+50	0.0000	0.96	Q					90+ 0	0.0000	0.87	Q				
84+55	0.0000	0.96	Q					90+ 5	0.0000	0.87	Q				
85+ 0	0.0000	0.95	Q					90+10	0.0000	0.87	Q				
85+ 5	0.0000	0.95	Q					90+15	0.0000	0.87	Q				
85+10	0.0000	0.95	Q					90+20	0.0000	0.87	Q				
85+15	0.0000	0.95	Q					90+25	0.0000	0.87	Q				
85+20	0.0000	0.95	Q					90+30	0.0000	0.86	Q				
85+25	0.0000	0.95	Q					90+35	0.0000	0.86	Q				
85+30	0.0000	0.95	Q					90+40	0.0000	0.86	Q				
85+35	0.0000	0.95	Q					90+45	0.0000	0.86	Q				
85+40	0.0000	0.95	Q					90+50	0.0000	0.86	Q				
85+45	0.0000	0.94	Q					90+55	0.0000	0.86	Q				
85+50	0.0000	0.94	Q					91+ 0	0.0000	0.86	Q				
85+55	0.0000	0.94	Q					91+ 5	0.0000	0.85	Q				
86+ 0	0.0000	0.94	Q					91+10	0.0000	0.85	Q				
86+ 5	0.0000	0.94	Q					91+15	0.0000	0.85	Q				
86+10	0.0000	0.94	Q					91+20	0.0000	0.85	Q				
86+15	0.0000	0.94	Q					91+25	0.0000	0.85	Q				
86+20	0.0000	0.94	Q					91+30	0.0000	0.85	Q				
86+25	0.0000	0.94	Q					91+35	0.0000	0.85	Q				
86+30	0.0000	0.93	Q					91+40	0.0000	0.84	Q				
86+35	0.0000	0.93	Q					91+45	0.0000	0.84	Q				
86+40	0.0000	0.93	Q					91+50	0.0000	0.84	Q				
86+45	0.0000	0.93	Q					91+55	0.0000	0.84	Q				
86+50	0.0000	0.93	Q					92+ 0	0.0000	0.84	Q				
86+55	0.0000	0.93	Q					92+ 5	0.0000	0.84	Q				
87+ 0	0.0000	0.93	Q					92+10	0.0000	0.84	Q				
87+ 5	0.0000	0.93	Q					92+15	0.0000	0.84	Q				
87+10	0.0000	0.92	Q					92+20	0.0000	0.83	Q				
87+15	0.0000	0.92	Q					92+25	0.0000	0.83	Q				
87+20	0.0000	0.92	Q					92+30	0.0000	0.83	Q				
87+25	0.0000	0.92	Q					92+35	0.0000	0.83	Q				
87+30	0.0000	0.92	Q					92+40	0.0000	0.83	Q				
87+35	0.0000	0.92	Q					92+45	0.0000	0.83	Q				
87+40	0.0000	0.91	Q					92+50	0.0000	0.83	Q				
87+45	0.0000	0.91	Q					92+55	0.0000	0.82	Q				
87+50	0.0000	0.91	Q					93+ 0	0.0000	0.82	Q				
87+55	0.0000	0.91	Q					93+ 5	0.0000	0.82	Q				
88+ 0	0.0000	0.91	Q					93+10	0.0000	0.82	Q				

93+15	0.0000	0.82	Q					98+25	0.0000	0.74	Q				
93+20	0.0000	0.82	Q					98+30	0.0000	0.74	Q				
93+25	0.0000	0.82	Q					98+35	0.0000	0.74	Q				
93+30	0.0000	0.81	Q					98+40	0.0000	0.73	Q				
93+35	0.0000	0.81	Q					98+45	0.0000	0.73	Q				
93+40	0.0000	0.81	Q					98+50	0.0000	0.73	Q				
93+45	0.0000	0.81	Q					98+55	0.0000	0.73	Q				
93+50	0.0000	0.81	Q					99+ 0	0.0000	0.73	Q				
93+55	0.0000	0.81	Q					99+ 5	0.0000	0.73	Q				
94+ 0	0.0000	0.81	Q					99+10	0.0000	0.73	Q				
94+ 5	0.0000	0.81	Q					99+15	0.0000	0.73	Q				
94+10	0.0000	0.80	Q					99+20	0.0000	0.73	Q				
94+15	0.0000	0.80	Q					99+25	0.0000	0.72	Q				
94+20	0.0000	0.80	Q					99+30	0.0000	0.72	Q				
94+25	0.0000	0.80	Q					99+35	0.0000	0.72	Q				
94+30	0.0000	0.80	Q					99+40	0.0000	0.72	Q				
94+35	0.0000	0.80	Q					99+45	0.0000	0.72	Q				
94+40	0.0000	0.80	Q					99+50	0.0000	0.72	Q				
94+45	0.0000	0.79	Q					99+55	0.0000	0.71	Q				
94+50	0.0000	0.79	Q					100+ 0	0.0000	0.71	Q				
94+55	0.0000	0.79	Q					100+ 5	0.0000	0.71	Q				
95+ 0	0.0000	0.79	Q					100+10	0.0000	0.71	Q				
95+ 5	0.0000	0.79	Q					100+15	0.0000	0.70	Q				
95+10	0.0000	0.79	Q					100+20	0.0000	0.70	Q				
95+15	0.0000	0.79	Q					100+25	0.0000	0.70	Q				
95+20	0.0000	0.79	Q					100+30	0.0000	0.70	Q				
95+25	0.0000	0.78	Q					100+35	0.0000	0.70	Q				
95+30	0.0000	0.78	Q					100+40	0.0000	0.69	Q				
95+35	0.0000	0.78	Q					100+45	0.0000	0.69	Q				
95+40	0.0000	0.78	Q					100+50	0.0000	0.69	Q				
95+45	0.0000	0.78	Q					100+55	0.0000	0.69	Q				
95+50	0.0000	0.78	Q					101+ 0	0.0000	0.68	Q				
95+55	0.0000	0.78	Q					101+ 5	0.0000	0.68	Q				
96+ 0	0.0000	0.78	Q					101+10	0.0000	0.68	Q				
96+ 5	0.0000	0.77	Q					101+15	0.0000	0.68	Q				
96+10	0.0000	0.77	Q					101+20	0.0000	0.68	Q				
96+15	0.0000	0.77	Q					101+25	0.0000	0.67	Q				
96+20	0.0000	0.77	Q					101+30	0.0000	0.67	Q				
96+25	0.0000	0.77	Q					101+35	0.0000	0.67	Q				
96+30	0.0000	0.77	Q					101+40	0.0000	0.67	Q				
96+35	0.0000	0.77	Q					101+45	0.0000	0.67	Q				
96+40	0.0000	0.76	Q					101+50	0.0000	0.66	Q				
96+45	0.0000	0.76	Q					101+55	0.0000	0.66	Q				
96+50	0.0000	0.76	Q					102+ 0	0.0000	0.66	Q				
96+55	0.0000	0.76	Q					102+ 5	0.0000	0.66	Q				
97+ 0	0.0000	0.76	Q					102+10	0.0000	0.65	Q				
97+ 5	0.0000	0.76	Q					102+15	0.0000	0.65	Q				
97+10	0.0000	0.76	Q					102+20	0.0000	0.65	Q				
97+15	0.0000	0.76	Q					102+25	0.0000	0.65	Q				
97+20	0.0000	0.75	Q					102+30	0.0000	0.65	Q				
97+25	0.0000	0.75	Q					102+35	0.0000	0.64	Q				
97+30	0.0000	0.75	Q					102+40	0.0000	0.64	Q				
97+35	0.0000	0.75	Q					102+45	0.0000	0.64	Q				
97+40	0.0000	0.75	Q					102+50	0.0000	0.64	Q				
97+45	0.0000	0.75	Q					102+55	0.0000	0.64	Q				
97+50	0.0000	0.75	Q					103+ 0	0.0000	0.63	Q				
97+55	0.0000	0.75	Q					103+ 5	0.0000	0.63	Q				
98+ 0	0.0000	0.74	Q					103+10	0.0000	0.63	Q				
98+ 5	0.0000	0.74	Q					103+15	0.0000	0.63	Q				
98+10	0.0000	0.74	Q					103+20	0.0000	0.63	Q				
98+15	0.0000	0.74	Q					103+25	0.0000	0.62	Q				
98+20	0.0000	0.74	Q					103+30	0.0000	0.62	Q				

103+35	0.0000	0.62	Q					108+45	0.0000	0.51	Q				
103+40	0.0000	0.62	Q					108+50	0.0000	0.51	Q				
103+45	0.0000	0.62	Q					108+55	0.0000	0.51	Q				
103+50	0.0000	0.61	Q					109+ 0	0.0000	0.50	Q				
103+55	0.0000	0.61	Q					109+ 5	0.0000	0.50	Q				
104+ 0	0.0000	0.61	Q					109+10	0.0000	0.50	Q				
104+ 5	0.0000	0.61	Q					109+15	0.0000	0.50	Q				
104+10	0.0000	0.61	Q					109+20	0.0000	0.50	Q				
104+15	0.0000	0.60	Q					109+25	0.0000	0.50	Q				
104+20	0.0000	0.60	Q					109+30	0.0000	0.49	Q				
104+25	0.0000	0.60	Q					109+35	0.0000	0.49	Q				
104+30	0.0000	0.60	Q					109+40	0.0000	0.49	Q				
104+35	0.0000	0.60	Q					109+45	0.0000	0.49	Q				
104+40	0.0000	0.59	Q					109+50	0.0000	0.49	Q				
104+45	0.0000	0.59	Q					109+55	0.0000	0.49	Q				
104+50	0.0000	0.59	Q					110+ 0	0.0000	0.48	Q				
104+55	0.0000	0.59	Q					110+ 5	0.0000	0.48	Q				
105+ 0	0.0000	0.59	Q					110+10	0.0000	0.48	Q				
105+ 5	0.0000	0.59	Q					110+15	0.0000	0.48	Q				
105+10	0.0000	0.58	Q					110+20	0.0000	0.48	Q				
105+15	0.0000	0.58	Q					110+25	0.0000	0.48	Q				
105+20	0.0000	0.58	Q					110+30	0.0000	0.48	Q				
105+25	0.0000	0.58	Q					110+35	0.0000	0.47	Q				
105+30	0.0000	0.58	Q					110+40	0.0000	0.47	Q				
105+35	0.0000	0.57	Q					110+45	0.0000	0.47	Q				
105+40	0.0000	0.57	Q					110+50	0.0000	0.47	Q				
105+45	0.0000	0.57	Q					110+55	0.0000	0.47	Q				
105+50	0.0000	0.57	Q					111+ 0	0.0000	0.47	Q				
105+55	0.0000	0.57	Q					111+ 5	0.0000	0.46	Q				
106+ 0	0.0000	0.57	Q					111+10	0.0000	0.46	Q				
106+ 5	0.0000	0.56	Q					111+15	0.0000	0.46	Q				
106+10	0.0000	0.56	Q					111+20	0.0000	0.46	Q				
106+15	0.0000	0.56	Q					111+25	0.0000	0.46	Q				
106+20	0.0000	0.56	Q					111+30	0.0000	0.46	Q				
106+25	0.0000	0.56	Q					111+35	0.0000	0.46	Q				
106+30	0.0000	0.55	Q					111+40	0.0000	0.45	Q				
106+35	0.0000	0.55	Q					111+45	0.0000	0.45	Q				
106+40	0.0000	0.55	Q					111+50	0.0000	0.45	Q				
106+45	0.0000	0.55	Q					111+55	0.0000	0.45	Q				
106+50	0.0000	0.55	Q					112+ 0	0.0000	0.45	Q				
106+55	0.0000	0.55	Q					112+ 5	0.0000	0.45	Q				
107+ 0	0.0000	0.54	Q					112+10	0.0000	0.45	Q				
107+ 5	0.0000	0.54	Q					112+15	0.0000	0.44	Q				
107+10	0.0000	0.54	Q					112+20	0.0000	0.44	Q				
107+15	0.0000	0.54	Q					112+25	0.0000	0.44	Q				
107+20	0.0000	0.54	Q					112+30	0.0000	0.44	Q				
107+25	0.0000	0.54	Q					112+35	0.0000	0.44	Q				
107+30	0.0000	0.53	Q					112+40	0.0000	0.44	Q				
107+35	0.0000	0.53	Q					112+45	0.0000	0.44	Q				
107+40	0.0000	0.53	Q					112+50	0.0000	0.43	Q				
107+45	0.0000	0.53	Q					112+55	0.0000	0.43	Q				
107+50	0.0000	0.53	Q					113+ 0	0.0000	0.43	Q				
107+55	0.0000	0.52	Q					113+ 5	0.0000	0.43	Q				
108+ 0	0.0000	0.52	Q					113+10	0.0000	0.43	Q				
108+ 5	0.0000	0.52	Q					113+15	0.0000	0.43	Q				
108+10	0.0000	0.52	Q					113+20	0.0000	0.43	Q				
108+15	0.0000	0.52	Q					113+25	0.0000	0.42	Q				
108+20	0.0000	0.52	Q					113+30	0.0000	0.42	Q				
108+25	0.0000	0.51	Q					113+35	0.0000	0.42	Q				
108+30	0.0000	0.51	Q					113+40	0.0000	0.42	Q				
108+35	0.0000	0.51	Q					113+45	0.0000	0.42	Q				
108+40	0.0000	0.51	Q					113+50	0.0000	0.42	Q				

113+55	0.0000	0.42	Q					119+ 5	0.0000	0.25	Q				
114+ 0	0.0000	0.42	Q					119+10	0.0000	0.24	Q				
114+ 5	0.0000	0.41	Q					119+15	0.0000	0.24	Q				
114+10	0.0000	0.41	Q					119+20	0.0000	0.24	Q				
114+15	0.0000	0.41	Q					119+25	0.0000	0.24	Q				
114+20	0.0000	0.41	Q					119+30	0.0000	0.23	Q				
114+25	0.0000	0.41	Q					119+35	0.0000	0.23	Q				
114+30	0.0000	0.41	Q					119+40	0.0000	0.23	Q				
114+35	0.0000	0.41	Q					119+45	0.0000	0.23	Q				
114+40	0.0000	0.41	Q					119+50	0.0000	0.23	Q				
114+45	0.0000	0.40	Q					119+55	0.0000	0.22	Q				
114+50	0.0000	0.40	Q					120+ 0	0.0000	0.22	Q				
114+55	0.0000	0.40	Q					120+ 5	0.0000	0.22	Q				
115+ 0	0.0000	0.40	Q					120+10	0.0000	0.22	Q				
115+ 5	0.0000	0.40	Q					120+15	0.0000	0.21	Q				
115+10	0.0000	0.39	Q					120+20	0.0000	0.21	Q				
115+15	0.0000	0.39	Q					120+25	0.0000	0.21	Q				
115+20	0.0000	0.38	Q					120+30	0.0000	0.21	Q				
115+25	0.0000	0.38	Q					120+35	0.0000	0.21	Q				
115+30	0.0000	0.38	Q					120+40	0.0000	0.20	Q				
115+35	0.0000	0.37	Q					120+45	0.0000	0.20	Q				
115+40	0.0000	0.37	Q					120+50	0.0000	0.20	Q				
115+45	0.0000	0.37	Q					120+55	0.0000	0.20	Q				
115+50	0.0000	0.36	Q					121+ 0	0.0000	0.20	Q				
115+55	0.0000	0.36	Q					121+ 5	0.0000	0.19	Q				
116+ 0	0.0000	0.35	Q					121+10	0.0000	0.19	Q				
116+ 5	0.0000	0.35	Q					121+15	0.0000	0.19	Q				
116+10	0.0000	0.35	Q					121+20	0.0000	0.19	Q				
116+15	0.0000	0.34	Q					121+25	0.0000	0.19	Q				
116+20	0.0000	0.34	Q					121+30	0.0000	0.18	Q				
116+25	0.0000	0.34	Q					121+35	0.0000	0.18	Q				
116+30	0.0000	0.33	Q					121+40	0.0000	0.18	Q				
116+35	0.0000	0.33	Q					121+45	0.0000	0.18	Q				
116+40	0.0000	0.33	Q					121+50	0.0000	0.18	Q				
116+45	0.0000	0.32	Q					121+55	0.0000	0.18	Q				
116+50	0.0000	0.32	Q					122+ 0	0.0000	0.17	Q				
116+55	0.0000	0.32	Q					122+ 5	0.0000	0.17	Q				
117+ 0	0.0000	0.32	Q					122+10	0.0000	0.17	Q				
117+ 5	0.0000	0.31	Q					122+15	0.0000	0.17	Q				
117+10	0.0000	0.31	Q					122+20	0.0000	0.17	Q				
117+15	0.0000	0.31	Q					122+25	0.0000	0.17	Q				
117+20	0.0000	0.30	Q					122+30	0.0000	0.16	Q				
117+25	0.0000	0.30	Q					122+35	0.0000	0.16	Q				
117+30	0.0000	0.30	Q					122+40	0.0000	0.16	Q				
117+35	0.0000	0.29	Q					122+45	0.0000	0.16	Q				
117+40	0.0000	0.29	Q					122+50	0.0000	0.16	Q				
117+45	0.0000	0.29	Q					122+55	0.0000	0.16	Q				
117+50	0.0000	0.29	Q					123+ 0	0.0000	0.15	Q				
117+55	0.0000	0.28	Q					123+ 5	0.0000	0.15	Q				
118+ 0	0.0000	0.28	Q					123+10	0.0000	0.15	Q				
118+ 5	0.0000	0.28	Q					123+15	0.0000	0.15	Q				
118+10	0.0000	0.27	Q					123+20	0.0000	0.15	Q				
118+15	0.0000	0.27	Q					123+25	0.0000	0.15	Q				
118+20	0.0000	0.27	Q					123+30	0.0000	0.15	Q				
118+25	0.0000	0.27	Q					123+35	0.0000	0.14	Q				
118+30	0.0000	0.26	Q					123+40	0.0000	0.14	Q				
118+35	0.0000	0.26	Q					123+45	0.0000	0.14	Q				
118+40	0.0000	0.26	Q					123+50	0.0000	0.14	Q				
118+45	0.0000	0.26	Q					123+55	0.0000	0.14	Q				
118+50	0.0000	0.25	Q					124+ 0	0.0000	0.14	Q				
118+55	0.0000	0.25	Q					124+ 5	0.0000	0.14	Q				
119+ 0	0.0000	0.25	Q					124+10	0.0000	0.13	Q				

124+15	0.0000	0.13	Q					129+25	0.0000	0.07	Q				
124+20	0.0000	0.13	Q					129+30	0.0000	0.07	Q				
124+25	0.0000	0.13	Q					129+35	0.0000	0.07	Q				
124+30	0.0000	0.13	Q					129+40	0.0000	0.07	Q				
124+35	0.0000	0.13	Q					129+45	0.0000	0.07	Q				
124+40	0.0000	0.13	Q					129+50	0.0000	0.07	Q				
124+45	0.0000	0.13	Q					129+55	0.0000	0.07	Q				
124+50	0.0000	0.12	Q					130+ 0	0.0000	0.07	Q				
124+55	0.0000	0.12	Q					130+ 5	0.0000	0.07	Q				
125+ 0	0.0000	0.12	Q					130+10	0.0000	0.07	Q				
125+ 5	0.0000	0.12	Q					130+15	0.0000	0.07	Q				
125+10	0.0000	0.12	Q					130+20	0.0000	0.06	Q				
125+15	0.0000	0.12	Q					130+25	0.0000	0.06	Q				
125+20	0.0000	0.12	Q					130+30	0.0000	0.06	Q				
125+25	0.0000	0.12	Q					130+35	0.0000	0.06	Q				
125+30	0.0000	0.12	Q					130+40	0.0000	0.06	Q				
125+35	0.0000	0.11	Q					130+45	0.0000	0.06	Q				
125+40	0.0000	0.11	Q					130+50	0.0000	0.06	Q				
125+45	0.0000	0.11	Q					130+55	0.0000	0.06	Q				
125+50	0.0000	0.11	Q					131+ 0	0.0000	0.06	Q				
125+55	0.0000	0.11	Q					131+ 5	0.0000	0.06	Q				
126+ 0	0.0000	0.11	Q					131+10	0.0000	0.06	Q				
126+ 5	0.0000	0.11	Q					131+15	0.0000	0.06	Q				
126+10	0.0000	0.11	Q					131+20	0.0000	0.06	Q				
126+15	0.0000	0.11	Q					131+25	0.0000	0.06	Q				
126+20	0.0000	0.10	Q					131+30	0.0000	0.06	Q				
126+25	0.0000	0.10	Q					131+35	0.0000	0.06	Q				
126+30	0.0000	0.10	Q					131+40	0.0000	0.06	Q				
126+35	0.0000	0.10	Q					131+45	0.0000	0.05	Q				
126+40	0.0000	0.10	Q					131+50	0.0000	0.05	Q				
126+45	0.0000	0.10	Q					131+55	0.0000	0.05	Q				
126+50	0.0000	0.10	Q					132+ 0	0.0000	0.05	Q				
126+55	0.0000	0.10	Q					132+ 5	0.0000	0.05	Q				
127+ 0	0.0000	0.10	Q					132+10	0.0000	0.05	Q				
127+ 5	0.0000	0.10	Q					132+15	0.0000	0.05	Q				
127+10	0.0000	0.09	Q					132+20	0.0000	0.05	Q				
127+15	0.0000	0.09	Q					132+25	0.0000	0.05	Q				
127+20	0.0000	0.09	Q					132+30	0.0000	0.05	Q				
127+25	0.0000	0.09	Q					132+35	0.0000	0.05	Q				
127+30	0.0000	0.09	Q					132+40	0.0000	0.05	Q				
127+35	0.0000	0.09	Q					132+45	0.0000	0.05	Q				
127+40	0.0000	0.09	Q					132+50	0.0000	0.05	Q				
127+45	0.0000	0.09	Q					132+55	0.0000	0.05	Q				
127+50	0.0000	0.09	Q					133+ 0	0.0000	0.05	Q				
127+55	0.0000	0.09	Q					133+ 5	0.0000	0.05	Q				
128+ 0	0.0000	0.09	Q					133+10	0.0000	0.05	Q				
128+ 5	0.0000	0.08	Q					133+15	0.0000	0.05	Q				
128+10	0.0000	0.08	Q					133+20	0.0000	0.05	Q				
128+15	0.0000	0.08	Q					133+25	0.0000	0.05	Q				
128+20	0.0000	0.08	Q					133+30	0.0000	0.04	Q				
128+25	0.0000	0.08	Q					133+35	0.0000	0.04	Q				
128+30	0.0000	0.08	Q					133+40	0.0000	0.04	Q				
128+35	0.0000	0.08	Q					133+45	0.0000	0.04	Q				
128+40	0.0000	0.08	Q					133+50	0.0000	0.04	Q				
128+45	0.0000	0.08	Q					133+55	0.0000	0.04	Q				
128+50	0.0000	0.08	Q					134+ 0	0.0000	0.04	Q				
128+55	0.0000	0.08	Q					134+ 5	0.0000	0.04	Q				
129+ 0	0.0000	0.08	Q					134+10	0.0000	0.04	Q				
129+ 5	0.0000	0.08	Q					134+15	0.0000	0.04	Q				
129+10	0.0000	0.07	Q					134+20	0.0000	0.04	Q				
129+15	0.0000	0.07	Q					134+25	0.0000	0.04	Q				
129+20	0.0000	0.07	Q					134+30	0.0000	0.04	Q				

134+35	0.0000	0.04	Q				
134+40	0.0000	0.04	Q				
134+45	0.0000	0.04	Q				
134+50	0.0000	0.04	Q				
134+55	0.0000	0.04	Q				
135+ 0	0.0000	0.04	Q				
135+ 5	0.0000	0.04	Q				
135+10	0.0000	0.04	Q				
135+15	0.0000	0.04	Q				
135+20	0.0000	0.04	Q				
135+25	0.0000	0.04	Q				
135+30	0.0000	0.04	Q				
135+35	0.0000	0.03	Q				
135+40	0.0000	0.03	Q				
135+45	0.0000	0.03	Q				
135+50	0.0000	0.03	Q				
135+55	0.0000	0.03	Q				
136+ 0	0.0000	0.03	Q				
136+ 5	0.0000	0.03	Q				
136+10	0.0000	0.03	Q				
136+15	0.0000	0.03	Q				
136+20	0.0000	0.03	Q				
136+25	0.0000	0.03	Q				
136+30	0.0000	0.03	Q				
136+35	0.0000	0.03	Q				
136+40	0.0000	0.03	Q				
136+45	0.0000	0.03	Q				
136+50	0.0000	0.03	Q				
136+55	0.0000	0.03	Q				
137+ 0	0.0000	0.03	Q				
137+ 5	0.0000	0.03	Q				
137+10	0.0000	0.03	Q				
137+15	0.0000	0.03	Q				
137+20	0.0000	0.03	Q				
137+25	0.0000	0.03	Q				
137+30	0.0000	0.03	Q				
137+35	0.0000	0.03	Q				
137+40	0.0000	0.03	Q				
137+45	0.0000	0.03	Q				
137+50	0.0000	0.03	Q				
137+55	0.0000	0.03	Q				
138+ 0	0.0000	0.03	Q				
138+ 5	0.0000	0.03	Q				
138+10	0.0000	0.03	Q				
138+15	0.0000	0.03	Q				
138+20	0.0000	0.03	Q				
138+25	0.0000	0.02	Q				
138+30	0.0000	0.02	Q				
138+35	0.0000	0.02	Q				
138+40	0.0000	0.02	Q				
138+45	0.0000	0.02	Q				
138+50	0.0000	0.02	Q				
138+55	0.0000	0.02	Q				
139+ 0	0.0000	0.02	Q				
139+ 5	0.0000	0.02	Q				
139+10	0.0000	0.02	Q				
139+15	0.0000	0.02	Q				
139+20	0.0000	0.02	Q				
139+25	0.0000	0.02	Q				
139+30	0.0000	0.02	Q				
139+35	0.0000	0.02	Q				
139+40	0.0000	0.02	Q				
139+45	0.0000	0.02	Q				
139+50	0.0000	0.02	Q				
139+55	0.0000	0.02	Q				

```
----------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  1987
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      314.731 (CFS)
                        Total volume =      74.791 (Ac.Ft)
                  Status of hydrographs being held in storage
                             Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                  Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                  Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ----------------------------------------------------------------------
```

```
                  FLOOD HYDROGRAPH ROUTING PROGRAM
            Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                        Study date: 04/15/25

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MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 24 HOUR
AREAS 5A,5B,5C & 5D (CHK BASINS 12 & 14)
04/15/2025
------------------------------------------------------------------------

Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: 5D100CHK24100.rte
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =   297
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       77.277 (CFS)
                Total volume =      44.516 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.000 to Point/Station        5.100
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 297
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.198      3.070      0.187        0.209
  2.000      0.481      4.550      0.465        0.497
  3.000      0.853      5.660      0.834        0.872
  4.000      1.315      6.580      1.292        1.338
  5.000      1.982      7.590      1.956        2.008
  6.000      2.767      8.410      2.738        2.796
  7.000      3.668      9.150      3.636        3.700
  8.000      4.685      9.820      4.651        4.719
  9.000      5.819     10.460      5.783        5.855
 10.000      7.070     11.050      7.032        7.108
 11.000      8.446     14.360      8.397        8.495
 12.000      9.957     16.490      9.900       10.014
 13.000     11.602     18.160     11.539       11.665
 14.000     13.382    112.300     12.995       13.769
 15.000     15.296    283.100     14.321       16.271
 16.000     17.344    503.790     15.609       19.079
------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours)  (CFS)    (CFS)     (Ac.Ft) .0      19.3   38.64   57.96   77.28 (Ft.)
 0.083    0.28    0.01      0.001  O       |       |       |       |      0.00
 0.167    1.86    0.12      0.008  O       |       |       |       |      0.04
 0.250    2.91    0.35      0.023  OI      |       |       |       |      0.11
 0.333    3.45    0.64      0.041  OI      |       |       |       |      0.21
 0.417    4.46    0.97      0.063  OI      |       |       |       |      0.32
 0.500    5.09    1.36      0.088  O I     |       |       |       |      0.44
 0.583    5.32    1.75      0.113  O I     |       |       |       |      0.57
 0.667    5.45    2.12      0.137  O I     |       |       |       |      0.69
 0.750    5.53    2.46      0.159  |OI     |       |       |       |      0.80
 0.833    5.69    2.78      0.179  |OI     |       |       |       |      0.91
 0.917    6.50    3.09      0.201  |OI     |       |       |       |      1.01
 1.000    7.03    3.22      0.226  |OI     |       |       |       |      1.10
 1.083    7.10    3.35      0.252  |OI     |       |       |       |      1.19
 1.167    6.41    3.47      0.275  |OI     |       |       |       |      1.27
 1.250    5.94    3.57      0.293  |OI     |       |       |       |      1.34
 1.333    5.76    3.65      0.309  |OI     |       |       |       |      1.39
 1.417    5.66    3.72      0.323  |OI     |       |       |       |      1.44
 1.500    5.62    3.79      0.336  |OI     |       |       |       |      1.49
 1.583    5.61    3.85      0.348  |OI     |       |       |       |      1.53
 1.667    5.59    3.92      0.360  |OI     |       |       |       |      1.57
 1.750    5.59    3.98      0.371  |OI     |       |       |       |      1.61
 1.833    5.72    4.03      0.382  |OI     |       |       |       |      1.65
 1.917    6.51    4.11      0.397  |OI     |       |       |       |      1.70
 2.000    7.04    4.20      0.415  |OI     |       |       |       |      1.77
 2.083    7.23    4.31      0.434  |OI     |       |       |       |      1.84
 2.167    7.34    4.41      0.455  |O I     |       |       |       |      1.91
 2.250    7.40    4.52      0.475  |O I     |       |       |       |      1.98
 2.333    7.42    4.59      0.494  |O I     |       |       |       |      2.04
 2.417    7.43    4.65      0.514  |O I     |       |       |       |      2.09
 2.500    7.44    4.70      0.533  |O I     |       |       |       |      2.14
 2.583    7.58    4.76      0.552  |O I     |       |       |       |      2.19
 2.667    8.37    4.83      0.574  |O I     |       |       |       |      2.25
 2.750    8.90    4.90      0.600  | OI     |       |       |       |      2.32
 2.833    9.09    4.99      0.627  | OI     |       |       |       |      2.39
 2.917    9.20    5.07      0.656  | OI     |       |       |       |      2.47
 3.000    9.26    5.16      0.684  | OI     |       |       |       |      2.55
 3.083    9.28    5.24      0.712  | OI     |       |       |       |      2.62
 3.167    9.29    5.32      0.740  | OI     |       |       |       |      2.70
 3.250    9.30    5.40      0.767  | OI     |       |       |       |      2.77
 3.333    9.30    5.48      0.793  | OI     |       |       |       |      2.84
 3.417    9.30    5.56      0.819  | OI     |       |       |       |      2.91
```

3.500	9.30	5.64	0.845	OI					2.98	8.583	32.61	10.04	5.067	O	I				8.34
3.583	9.30	5.69	0.870	OI					3.04	8.667	33.64	10.13	5.226	O	I				8.48
3.667	9.30	5.74	0.895	OI					3.09	8.750	34.33	10.22	5.390	O	I				8.62
3.750	9.30	5.79	0.919	OI					3.14	8.833	34.78	10.31	5.557	O	I				8.77
3.833	9.44	5.84	0.943	OI					3.20	8.917	35.93	10.41	5.730	O	I				8.92
3.917	10.23	5.89	0.971	O I					3.25	9.000	36.67	10.50	5.907	O	I				9.07
4.000	10.76	5.96	1.002	O I					3.32	9.083	37.30	10.59	6.090	O	I				9.22
4.083	10.95	6.02	1.036	O I					3.40	9.167	39.45	10.68	6.281	O	I				9.37
4.167	11.06	6.09	1.070	O I					3.47	9.250	40.86	10.77	6.483	O	I				9.53
4.250	11.12	6.16	1.104	O I					3.54	9.333	41.58	10.87	6.693	O	I				9.70
4.333	11.29	6.23	1.138	O I					3.62	9.417	42.87	10.97	6.908	O	I				9.87
4.417	12.15	6.30	1.176	O I					3.70	9.500	43.69	11.19	7.130	O	I				10.04
4.500	12.73	6.39	1.218	O I					3.79	9.583	44.18	11.73	7.354	O	I				10.21
4.583	12.96	6.47	1.262	O I					3.89	9.667	45.35	12.28	7.579	O	I				10.37
4.667	13.08	6.56	1.307	O I					3.98	9.750	46.11	12.82	7.808	O	I				10.54
4.750	13.15	6.64	1.352	O I					4.06	9.833	46.58	13.38	8.037	O	I				10.70
4.833	13.36	6.70	1.397	O I					4.12	9.917	47.74	13.93	8.267	O	I				10.87
4.917	14.38	6.78	1.446	O I					4.20	10.000	48.49	14.44	8.501	O	I				11.04
5.000	15.06	6.86	1.501	O I					4.28	10.083	47.56	14.76	8.731	O	I				11.19
5.083	15.00	6.95	1.557	O I					4.36	10.167	40.75	15.05	8.933	O	I				11.32
5.167	13.25	7.02	1.606	O I					4.44	10.250	36.23	15.27	9.094	O	I				11.43
5.250	12.07	7.08	1.645	O I					4.49	10.333	34.53	15.47	9.231	O	I				11.52
5.333	11.78	7.13	1.678	O I					4.54	10.417	33.60	15.65	9.359	O	I				11.60
5.417	12.46	7.18	1.712	O I					4.60	10.500	33.14	15.82	9.480	O	I				11.68
5.500	12.96	7.24	1.750	O I					4.65	10.583	33.87	15.99	9.601	O	I				11.76
5.583	13.33	7.30	1.790	O I					4.71	10.667	38.76	16.19	9.741	O	I				11.86
5.667	14.44	7.37	1.835	O I					4.78	10.750	41.98	16.42	9.907	O	I				11.97
5.750	15.15	7.45	1.886	O I					4.86	10.833	43.20	16.62	10.086	O	I				12.08
5.833	15.43	7.53	1.940	O I					4.94	10.917	43.89	16.81	10.271	O	I				12.19
5.917	15.59	7.60	1.995	O I					5.02	11.000	44.24	17.00	10.458	O	I				12.30
6.000	15.68	7.66	2.050	O I					5.09	11.083	44.20	17.19	10.645	O	I				12.42
6.083	15.90	7.72	2.106	O I					5.16	11.167	43.28	17.37	10.827	O	I				12.53
6.167	16.92	7.78	2.165	O I					5.23	11.250	42.69	17.55	11.003	O	I				12.64
6.250	17.60	7.85	2.230	O I					5.32	11.333	42.48	17.73	11.175	O	I				12.74
6.333	17.87	7.92	2.298	O I					5.40	11.417	42.36	17.90	11.344	O	I				12.84
6.417	18.02	7.99	2.367	O I					5.49	11.500	42.30	18.07	11.512	O	I				12.95
6.500	18.10	8.06	2.436	O I					5.58	11.583	41.94	21.52	11.666	O	I				13.04
6.583	18.31	8.14	2.506	O I					5.67	11.667	39.95	27.50	11.779	O	I				13.10
6.667	19.33	8.21	2.579	O I					5.76	11.750	38.63	31.13	11.847	O	I				13.14
6.750	20.02	8.30	2.658	O I					5.86	11.833	38.31	33.39	11.890	O	I				13.16
6.833	20.29	8.38	2.739	O I					5.96	11.917	39.04	35.02	11.921	O	I				13.18
6.917	20.43	8.45	2.821	O I					6.06	12.000	39.57	36.34	11.946	O	I				13.19
7.000	20.52	8.52	2.904	O I					6.15	12.083	41.01	37.56	11.969	O	I				13.21
7.083	20.55	8.59	2.986	O I					6.24	12.167	48.10	39.71	12.010	O	I				13.23
7.167	20.58	8.66	3.068	O I					6.33	12.250	52.76	43.01	12.072	O	I				13.26
7.250	20.60	8.72	3.150	O I					6.43	12.333	54.71	46.32	12.134	O	I				13.30
7.333	20.80	8.79	3.233	O I					6.52	12.417	56.68	49.21	12.189	O	I				13.33
7.417	21.80	8.86	3.319	O I					6.61	12.500	57.83	51.69	12.236	O	I				13.36
7.500	22.47	8.94	3.410	O I					6.71	12.583	58.62	53.70	12.274	O	I				13.38
7.583	22.91	9.02	3.504	O I					6.82	12.667	60.85	55.56	12.309	O	I				13.40
7.667	24.06	9.10	3.604	O I					6.93	12.750	62.32	57.42	12.344	O	I				13.42
7.750	24.79	9.18	3.709	O I					7.04	12.833	63.08	59.05	12.375	O	I				13.43
7.833	25.26	9.25	3.818	O I					7.15	12.917	64.37	60.49	12.402	O	I				13.45
7.917	26.41	9.32	3.932	O I					7.26	13.000	65.19	61.81	12.427	O	I				13.46
8.000	27.16	9.40	4.052	O I					7.38	13.083	66.37	63.03	12.450	O	I				13.48
8.083	27.81	9.48	4.176	O I					7.50	13.167	71.52	64.86	12.485	O	I				13.50
8.167	29.96	9.57	4.309	O I					7.63	13.250	74.91	67.43	12.534	O	I				13.52
8.250	31.37	9.67	4.454	O I					7.77	13.333	76.21	69.94	12.581	O	I				13.55
8.333	31.91	9.77	4.605	O I					7.92	13.417	76.92	71.98	12.620	O	I				13.57
8.417	32.21	9.86	4.758	O I					8.06	13.500	77.28	73.56	12.649	O	I				13.59
8.500	32.37	9.95	4.912	O I					8.20	13.583	75.49	74.43	12.666	O	I				13.60

13.667	64.62	73.08	12.640	|	|	|	| I O |	13.58	18.750	6.12	16.42	9.905	| I O |	|	|	|	11.97
13.750	57.45	69.37	12.570	|	|	| I| O |	13.54	18.833	5.74	16.32	9.833	| I O |	|	|	|	11.92
13.833	54.74	65.28	12.493	|	|	| I | O |	13.50	18.917	4.79	16.21	9.758	|I O |	|	|	|	11.87
13.917	53.25	61.80	12.427	|	|	| I |O |	13.46	19.000	4.19	16.10	9.677	|I O |	|	|	|	11.81
14.000	52.51	59.05	12.375	|	|	| I O |	13.43	19.083	4.11	15.98	9.595	|I O |	|	|	|	11.76
14.083	52.95	57.10	12.338	|	|	| I O|	13.41	19.167	4.81	15.87	9.516	|I O |	|	|	|	11.71
14.167	56.80	56.42	12.325	|	|	| O|	13.41	19.250	5.29	15.76	9.442	| I O |	|	|	|	11.66
14.250	59.31	56.92	12.335	|	|	| OI |	13.41	19.333	5.65	15.66	9.372	| I O |	|	|	|	11.61
14.333	60.08	57.78	12.351	|	|	| OI |	13.42	19.417	6.75	15.57	9.307	| I O |	|	|	|	11.57
14.417	59.64	58.42	12.363	|	|	| O |	13.43	19.500	7.46	15.49	9.249	| I O |	|	|	|	11.53
14.500	59.26	58.74	12.369	|	|	| O |	13.43	19.583	7.56	15.41	9.194	| I O |	|	|	|	11.50
14.583	59.12	58.88	12.372	|	|	| O |	13.43	19.667	6.72	15.33	9.137	| I O |	|	|	|	11.46
14.667	59.04	58.94	12.373	|	|	| O |	13.43	19.750	6.14	15.25	9.076	| I O |	|	|	|	11.42
14.750	59.03	58.97	12.374	|	|	| O |	13.43	19.833	5.78	15.16	9.013	| I O |	|	|	|	11.38
14.833	58.87	58.96	12.373	|	|	| O |	13.43	19.917	4.81	15.06	8.945	|I O |	|	|	|	11.33
14.917	57.87	58.78	12.370	|	|	| IO |	13.43	20.000	4.20	14.96	8.873	|I O |	|	|	|	11.28
15.000	57.21	58.40	12.363	|	|	| IO |	13.43	20.083	4.12	14.86	8.799	|I O |	|	|	|	11.23
15.083	56.78	57.96	12.355	|	|	| IO |	13.42	20.167	4.85	14.76	8.728	| I O |	|	|	|	11.19
15.167	55.66	57.43	12.344	|	|	| O|	13.42	20.250	5.35	14.66	8.661	| I O |	|	|	|	11.14
15.250	54.94	56.77	12.332	|	|	| IO|	13.41	20.333	5.54	14.57	8.598	| I O |	|	|	|	11.10
15.333	54.50	56.14	12.320	|	|	| IO|	13.40	20.417	5.65	14.49	8.537	| I O	|	|	|	11.06
15.417	53.37	55.46	12.307	|	|	| O |	13.40	20.500	5.70	14.40	8.476	| I O |	|	|	|	11.02
15.500	52.64	54.70	12.293	|	|	| IO |	13.39	20.583	5.72	14.29	8.417	| I O |	|	|	|	10.98
15.583	51.67	53.92	12.278	|	|	| IO |	13.38	20.667	5.74	14.15	8.358	| I O |	|	|	|	10.94
15.667	47.55	52.59	12.253	|	|	| I O |	13.37	20.750	5.75	14.01	8.301	| I O |	|	|	|	10.89
15.750	44.84	50.62	12.216	|	|	| I O |	13.34	20.833	5.61	13.87	8.244	| I O |	|	|	|	10.85
15.833	43.82	48.68	12.179	|	|	| I O |	13.32	20.917	4.74	13.73	8.185	|I O |	|	|	|	10.81
15.917	43.27	47.10	12.149	|	|	|I O |	13.31	21.000	4.17	13.58	8.121	|I O |	|	|	|	10.76
16.000	43.00	45.88	12.126	|	|	|IO |	13.29	21.083	4.10	13.42	8.057	|I O |	|	|	|	10.72
16.083	40.28	44.57	12.101	|	|	| I O |	13.28	21.167	4.86	13.28	7.996	| I O |	|	|	|	10.67
16.167	25.31	40.94	12.033	|	| I O |	13.24	21.250	5.39	13.14	7.940	| I O |	|	|	|	10.63
16.250	15.39	34.60	11.913	|	I | O |	13.17	21.333	5.44	13.02	7.887	| I O |	|	|	|	10.59
16.333	11.63	28.10	11.790	| I | O |	|	13.11	21.417	4.66	12.88	7.833	|I O |	|	|	|	10.55
16.417	9.59	22.71	11.688	| I |O |	|	13.05	21.500	4.13	12.75	7.775	|I O |	|	|	|	10.51
16.500	8.58	18.51	11.609	| I O|	|	|	13.00	21.583	4.08	12.60	7.716	|I O |	|	|	|	10.47
16.583	8.06	18.10	11.540	| I O|	|	|	12.96	21.667	4.86	12.47	7.660	| I O |	|	|	|	10.43
16.667	6.93	18.02	11.467	| I O|	|	|	12.92	21.750	5.41	12.35	7.610	| I O |	|	|	|	10.39
16.750	6.15	17.94	11.388	| I O|	|	|	12.87	21.833	5.46	12.24	7.563	| I O |	|	|	|	10.36
16.833	5.82	17.86	11.306	| I O|	|	|	12.82	21.917	4.68	12.12	7.514	|I O |	|	|	|	10.32
16.917	5.70	17.78	11.223	| I O|	|	|	12.77	22.000	4.13	11.99	7.461	|I O |	|	|	|	10.28
17.000	5.63	17.69	11.140	| I O|	|	|	12.72	22.083	4.08	11.86	7.407	|I O |	|	|	|	10.25
17.083	5.95	17.61	11.058	| I O|	|	|	12.67	22.167	4.88	11.74	7.357	| I O |	|	|	|	10.21
17.167	7.89	17.53	10.985	| I O|	|	|	12.63	22.250	5.43	11.63	7.312	| I O |	|	|	|	10.18
17.250	9.17	17.47	10.923	| I O|	|	|	12.59	22.333	5.48	11.53	7.270	| I O |	|	|	|	10.15
17.333	9.66	17.41	10.868	| I O|	|	|	12.55	22.417	4.69	11.42	7.226	|I O |	|	|	|	10.11
17.417	9.94	17.36	10.816	| I O|	|	|	12.52	22.500	4.14	11.31	7.178	|I O |	|	|	|	10.08
17.500	10.08	17.31	10.765	| I O|	|	|	12.49	22.583	3.93	11.19	7.128	|I O |	|	|	|	10.04
17.583	10.13	17.26	10.716	| I O|	|	|	12.46	22.667	3.82	11.07	7.078	|I O |	|	|	|	10.01
17.667	10.16	17.21	10.667	| I O|	|	|	12.43	22.750	3.76	11.03	7.028	|I O |	|	|	|	9.97
17.750	10.19	17.16	10.619	| I O|	|	|	12.40	22.833	3.75	11.01	6.978	|I O |	|	|	|	9.93
17.833	10.04	17.11	10.570	| I O|	|	|	12.37	22.917	3.74	10.98	6.928	|I O |	|	|	|	9.89
17.917	9.05	17.06	10.518	| I O|	|	|	12.34	23.000	3.73	10.96	6.878	|I O |	|	|	|	9.85
18.000	8.40	17.00	10.461	| I O|	|	|	12.31	23.083	3.72	10.94	6.829	|I O |	|	|	|	9.81
18.083	8.16	16.94	10.401	| I O|	|	|	12.27	23.167	3.72	10.91	6.779	|I O |	|	|	|	9.77
18.167	8.03	16.88	10.341	| I O |	|	|	12.23	23.250	3.72	10.89	6.730	|I O |	|	|	|	9.73
18.250	7.97	16.82	10.280	| I O |	|	|	12.20	23.333	3.72	10.87	6.680	|I O |	|	|	|	9.69
18.333	7.95	16.76	10.219	| I O |	|	|	12.16	23.417	3.72	10.84	6.631	|I O |	|	|	|	9.65
18.417	7.94	16.69	10.158	| I O |	|	|	12.12	23.500	3.72	10.82	6.582	|I O |	|	|	|	9.61
18.500	7.94	16.63	10.098	| I O |	|	|	12.09	23.583	3.72	10.80	6.533	|I O |	|	|	|	9.57
18.583	7.76	16.57	10.038	| I O |	|	|	12.05	23.667	3.72	10.77	6.485	|I O |	|	|	|	9.53
18.667	6.78	16.51	9.974	| I O |	|	|	12.01	23.750	3.72	10.75	6.436	|I O |	|	|	|	9.49

23.833	3.72	10.73	6.388	|I	O	|	|	|	|	9.45	28.917	0.00	8.12	2.485	I	O	|	|	|	|	5.64
23.917	3.72	10.71	6.340	|I	O	|	|	|	|	9.42	29.000	0.00	8.06	2.429	I	O	|	|	|	|	5.57
24.000	3.72	10.68	6.292	|I	O	|	|	|	|	9.38	29.083	0.00	8.00	2.374	I	O	|	|	|	|	5.50
24.083	3.44	10.66	6.243	|I	O	|	|	|	|	9.34	29.167	0.00	7.94	2.319	I	O	|	|	|	|	5.43
24.167	1.86	10.63	6.188	I	O	|	|	|	|	9.29	29.250	0.00	7.89	2.265	I	O	|	|	|	|	5.36
24.250	0.81	10.60	6.124	I	O	|	|	|	|	9.24	29.333	0.00	7.83	2.210	I	O	|	|	|	|	5.29
24.333	0.41	10.57	6.055	I	O	|	|	|	|	9.19	29.417	0.00	7.77	2.157	I	O	|	|	|	|	5.22
24.417	0.20	10.54	5.984	I	O	|	|	|	|	9.13	29.500	0.00	7.72	2.103	I	O	|	|	|	|	5.15
24.500	0.09	10.50	5.913	I	O	|	|	|	|	9.08	29.583	0.00	7.66	2.050	I	O	|	|	|	|	5.09
24.583	0.05	10.47	5.841	I	O	|	|	|	|	9.02	29.667	0.00	7.61	1.998	I	O	|	|	|	|	5.02
24.667	0.03	10.43	5.770	I	O	|	|	|	|	8.96	29.750	0.00	7.54	1.946	I	O	|	|	|	|	4.95
24.750	0.01	10.39	5.698	I	O	|	|	|	|	8.89	29.833	0.00	7.46	1.894	I	O	|	|	|	|	4.87
24.833	0.00	10.35	5.627	I	O	|	|	|	|	8.83	29.917	0.00	7.38	1.843	I	O	|	|	|	|	4.79
24.917	0.00	10.31	5.555	I	O	|	|	|	|	8.77	30.000	0.00	7.30	1.792	I	O	|	|	|	|	4.72
25.000	0.00	10.27	5.485	I	O	|	|	|	|	8.71	30.083	0.00	7.23	1.742	I	O	|	|	|	|	4.64
25.083	0.00	10.23	5.414	I	O	|	|	|	|	8.64	30.167	0.00	7.15	1.693	I	O	|	|	|	|	4.57
25.167	0.00	10.19	5.344	I	O	|	|	|	|	8.58	30.250	0.00	7.08	1.644	I	O	|	|	|	|	4.49
25.250	0.00	10.15	5.274	I	O	|	|	|	|	8.52	30.333	0.00	7.00	1.595	I	O	|	|	|	|	4.42
25.333	0.00	10.11	5.204	I	O	|	|	|	|	8.46	30.417	0.00	6.93	1.547	I	O	|	|	|	|	4.35
25.417	0.00	10.07	5.134	I	O	|	|	|	|	8.40	30.500	0.00	6.86	1.500	I	O	|	|	|	|	4.28
25.500	0.00	10.03	5.065	I	O	|	|	|	|	8.34	30.583	0.00	6.79	1.453	I	O	|	|	|	|	4.21
25.583	0.00	10.00	4.996	I	O	|	|	|	|	8.27	30.667	0.00	6.72	1.406	I	O	|	|	|	|	4.14
25.667	0.00	9.96	4.927	I	O	|	|	|	|	8.21	30.750	0.00	6.65	1.360	I	O	|	|	|	|	4.07
25.750	0.00	9.92	4.859	I	O	|	|	|	|	8.15	30.833	0.00	6.58	1.315	I	O	|	|	|	|	4.00
25.833	0.00	9.88	4.791	I	O	|	|	|	|	8.09	30.917	0.00	6.49	1.270	I	O	|	|	|	|	3.90
25.917	0.00	9.84	4.723	I	O	|	|	|	|	8.03	31.000	0.00	6.40	1.225	I	O	|	|	|	|	3.81
26.000	0.00	9.80	4.655	I	O	|	|	|	|	7.97	31.083	0.00	6.31	1.182	I	O	|	|	|	|	3.71
26.083	0.00	9.76	4.588	I	O	|	|	|	|	7.90	31.167	0.00	6.23	1.138	I	O	|	|	|	|	3.62
26.167	0.00	9.71	4.521	I	O	|	|	|	|	7.84	31.250	0.00	6.14	1.096	I	O	|	|	|	|	3.53
26.250	0.00	9.67	4.454	I	O	|	|	|	|	7.77	31.333	0.00	6.06	1.054	I	O	|	|	|	|	3.43
26.333	0.00	9.62	4.388	I	O	|	|	|	|	7.71	31.417	0.00	5.98	1.012	I	O	|	|	|	|	3.34
26.417	0.00	9.58	4.322	I	O	|	|	|	|	7.64	31.500	0.00	5.90	0.971	I	O	|	|	|	|	3.26
26.500	0.00	9.54	4.256	I	O	|	|	|	|	7.58	31.583	0.00	5.82	0.931	I	O	|	|	|	|	3.17
26.583	0.00	9.49	4.190	I	O	|	|	|	|	7.51	31.667	0.00	5.74	0.891	I	O	|	|	|	|	3.08
26.667	0.00	9.45	4.125	I	O	|	|	|	|	7.45	31.750	0.00	5.66	0.852	I	O	|	|	|	|	3.00
26.750	0.00	9.41	4.060	I	O	|	|	|	|	7.39	31.833	0.00	5.54	0.814	I	O	|	|	|	|	2.89
26.833	0.00	9.37	3.995	I	O	|	|	|	|	7.32	31.917	0.00	5.43	0.776	I	O	|	|	|	|	2.79
26.917	0.00	9.32	3.931	I	O	|	|	|	|	7.26	32.000	0.00	5.32	0.739	I	O	|	|	|	|	2.69
27.000	0.00	9.28	3.867	I	O	|	|	|	|	7.20	32.083	0.00	5.21	0.703	I	O	|	|	|	|	2.60
27.083	0.00	9.24	3.803	I	O	|	|	|	|	7.13	32.167	0.00	5.10	0.667	I	O	|	|	|	|	2.50
27.167	0.00	9.20	3.740	I	O	|	|	|	|	7.07	32.250	0.00	5.00	0.632	I	O	|	|	|	|	2.41
27.250	0.00	9.16	3.676	I	O	|	|	|	|	7.01	32.333	0.00	4.90	0.598	I	O	|	|	|	|	2.31
27.333	0.00	9.11	3.614	I	O	|	|	|	|	6.94	32.417	0.00	4.80	0.565	IO		|	|	|	|	2.23
27.417	0.00	9.05	3.551	I	O	|	|	|	|	6.87	32.500	0.00	4.70	0.532	IO		|	|	|	|	2.14
27.500	0.00	9.00	3.489	I	O	|	|	|	|	6.80	32.583	0.00	4.61	0.500	IO		|	|	|	|	2.05
27.583	0.00	8.95	3.427	I	O	|	|	|	|	6.73	32.667	0.00	4.49	0.469	IO		|	|	|	|	1.96
27.667	0.00	8.90	3.366	I	O	|	|	|	|	6.66	32.750	0.00	4.33	0.438	IO		|	|	|	|	1.85
27.750	0.00	8.85	3.304	I	O	|	|	|	|	6.60	32.833	0.00	4.17	0.409	IO		|	|	|	|	1.75
27.833	0.00	8.80	3.244	I	O	|	|	|	|	6.53	32.917	0.00	4.03	0.381	IO		|	|	|	|	1.65
27.917	0.00	8.75	3.183	I	O	|	|	|	|	6.46	33.000	0.00	3.88	0.354	IO		|	|	|	|	1.55
28.000	0.00	8.70	3.123	I	O	|	|	|	|	6.40	33.083	0.00	3.75	0.327	IO		|	|	|	|	1.46
28.083	0.00	8.65	3.063	I	O	|	|	|	|	6.33	33.167	0.00	3.61	0.302	IO		|	|	|	|	1.37
28.167	0.00	8.60	3.004	I	O	|	|	|	|	6.26	33.250	0.00	3.49	0.277	IO		|	|	|	|	1.28
28.250	0.00	8.56	2.945	I	O	|	|	|	|	6.20	33.333	0.00	3.36	0.254	IO		|	|	|	|	1.20
28.333	0.00	8.51	2.886	I	O	|	|	|	|	6.13	33.417	0.00	3.24	0.231	IO		|	|	|	|	1.12
28.417	0.00	8.46	2.828	I	O	|	|	|	|	6.07	33.500	0.00	3.13	0.209	IO		|	|	|	|	1.04
28.500	0.00	8.41	2.769	I	O	|	|	|	|	6.00	33.583	0.00	2.92	0.188	IO		|	|	|	|	0.95
28.583	0.00	8.35	2.712	I	O	|	|	|	|	5.93	33.667	0.00	2.62	0.169	IO		|	|	|	|	0.85
28.667	0.00	8.29	2.654	I	O	|	|	|	|	5.86	33.750	0.00	2.36	0.152	O		|	|	|	|	0.77
28.750	0.00	8.23	2.598	I	O	|	|	|	|	5.78	33.833	0.00	2.12	0.137	O		|	|	|	|	0.69
28.833	0.00	8.17	2.541	I	O	|	|	|	|	5.71	33.917	0.00	1.90	0.123	O		|	|	|	|	0.62

34.000	0.00	1.71	0.110	O	|	|	|	|	0.56
34.083	0.00	1.54	0.099	O	|	|	|	|	0.50
34.167	0.00	1.38	0.089	O	|	|	|	|	0.45
34.250	0.00	1.24	0.080	O	|	|	|	|	0.40
34.333	0.00	1.12	0.072	O	|	|	|	|	0.36
34.417	0.00	1.00	0.065	O	|	|	|	|	0.33
34.500	0.00	0.90	0.058	O	|	|	|	|	0.29
34.583	0.00	0.81	0.052	O	|	|	|	|	0.26
34.667	0.00	0.73	0.047	O	|	|	|	|	0.24
34.750	0.00	0.65	0.042	O	|	|	|	|	0.21
34.833	0.00	0.59	0.038	O	|	|	|	|	0.19
34.917	0.00	0.53	0.034	O	|	|	|	|	0.17
35.000	0.00	0.47	0.031	O	|	|	|	|	0.15
35.083	0.00	0.43	0.028	O	|	|	|	|	0.14
35.167	0.00	0.38	0.025	O	|	|	|	|	0.12
35.250	0.00	0.34	0.022	O	|	|	|	|	0.11
35.333	0.00	0.31	0.020	O	|	|	|	|	0.10
35.417	0.00	0.28	0.018	O	|	|	|	|	0.09
35.500	0.00	0.25	0.016	O	|	|	|	|	0.08
35.583	0.00	0.22	0.014	O	|	|	|	|	0.07
35.667	0.00	0.20	0.013	O	|	|	|	|	0.07
35.750	0.00	0.18	0.012	O	|	|	|	|	0.06
35.833	0.00	0.16	0.011	O	|	|	|	|	0.05
35.917	0.00	0.15	0.009	O	|	|	|	|	0.05
36.000	0.00	0.13	0.008	O	|	|	|	|	0.04
36.083	0.00	0.12	0.008	O	|	|	|	|	0.04
36.167	0.00	0.11	0.007	O	|	|	|	|	0.03
36.250	0.00	0.10	0.006	O	|	|	|	|	0.03
36.333	0.00	0.09	0.006	O	|	|	|	|	0.03
36.417	0.00	0.08	0.005	O	|	|	|	|	0.03
36.500	0.00	0.07	0.004	O	|	|	|	|	0.02
36.583	0.00	0.06	0.004	O	|	|	|	|	0.02
36.667	0.00	0.06	0.004	O	|	|	|	|	0.02
36.750	0.00	0.05	0.003	O	|	|	|	|	0.02
36.833	0.00	0.05	0.003	O	|	|	|	|	0.01
36.917	0.00	0.04	0.003	O	|	|	|	|	0.01
37.000	0.00	0.04	0.002	O	|	|	|	|	0.01
37.083	0.00	0.03	0.002	O	|	|	|	|	0.01
37.167	0.00	0.03	0.002	O	|	|	|	|	0.01
37.250	0.00	0.03	0.002	O	|	|	|	|	0.01
37.333	0.00	0.02	0.002	O	|	|	|	|	0.01
37.417	0.00	0.02	0.001	O	|	|	|	|	0.01
37.500	0.00	0.02	0.001	O	|	|	|	|	0.01
37.583	0.00	0.02	0.001	O	|	|	|	|	0.01
37.667	0.00	0.02	0.001	O	|	|	|	|	0.01
37.750	0.00	0.01	0.001	O	|	|	|	|	0.00
37.833	0.00	0.01	0.001	O	|	|	|	|	0.00
37.917	0.00	0.01	0.001	O	|	|	|	|	0.00
38.000	0.00	0.01	0.001	O	|	|	|	|	0.00
38.083	0.00	0.01	0.001	O	|	|	|	|	0.00
38.167	0.00	0.01	0.001	O	|	|	|	|	0.00
38.250	0.00	0.01	0.000	O	|	|	|	|	0.00
38.333	0.00	0.01	0.000	O	|	|	|	|	0.00
38.417	0.00	0.01	0.000	O	|	|	|	|	0.00
38.500	0.00	0.01	0.000	O	|	|	|	|	0.00
38.583	0.00	0.00	0.000	O	|	|	|	|	0.00
38.667	0.00	0.00	0.000	O	|	|	|	|	0.00
38.750	0.00	0.00	0.000	O	|	|	|	|	0.00
38.833	0.00	0.00	0.000	O	|	|	|	|	0.00
38.917	0.00	0.00	0.000	O	|	|	|	|	0.00
39.000	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 468
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 74.428 (CFS)
Total volume = 44.516 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 5.100 to Point/Station 5.300

**** STREAM ROUTING SCS CONVEX METHOD ****

HYDROGRAPH STREAM ROUTING DATA:

Length of stream = 728.00 (Ft.)
Elevation difference = 30.00 (Ft.)
Slope of channel = 0.041209 (Vert/Horiz)
Channel type - Pipe

Pipe length = 728.00(Ft.) Elevation difference = 30.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow = 21.415(CFS)
Given pipe size = 48.00(In.)
Calculated individual pipe flow = 21.415(CFS)
Normal flow depth in pipe = 8.80(In.)
Flow top width inside pipe = 37.15(In.)
Critical Depth = 1.36(Ft.)
Pipe flow velocity = 13.55(Ft/s)
Travel time through pipe = 0.90 min.

Pipe length = 728.00(Ft.) Elevation difference = 30.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow = 74.428(CFS)
Given pipe size = 48.00(In.)
Calculated individual pipe flow = 74.428(CFS)
Normal flow depth in pipe = 16.54(In.)
Flow top width inside pipe = 45.62(In.)
Critical Depth = 2.61(Ft.)
Pipe flow velocity = 19.40(Ft/s)
Travel time through pipe = 0.63 min.

********** SCS CONVEX CHANNEL ROUTING **********

Convex method of stream routing data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
where c* = 1 - (1-c)^e and dt = c(length)/velocity
c(v/v+1.7) = 0.9194 Travel time = 0.63 (min.)
dt*(unit time interval) = 5.00(min.), e= 6.1297
dt(routing time-step) = 0.58 (min.), c* = 1.0000

Output hydrograph delayed by 0 unit time increments

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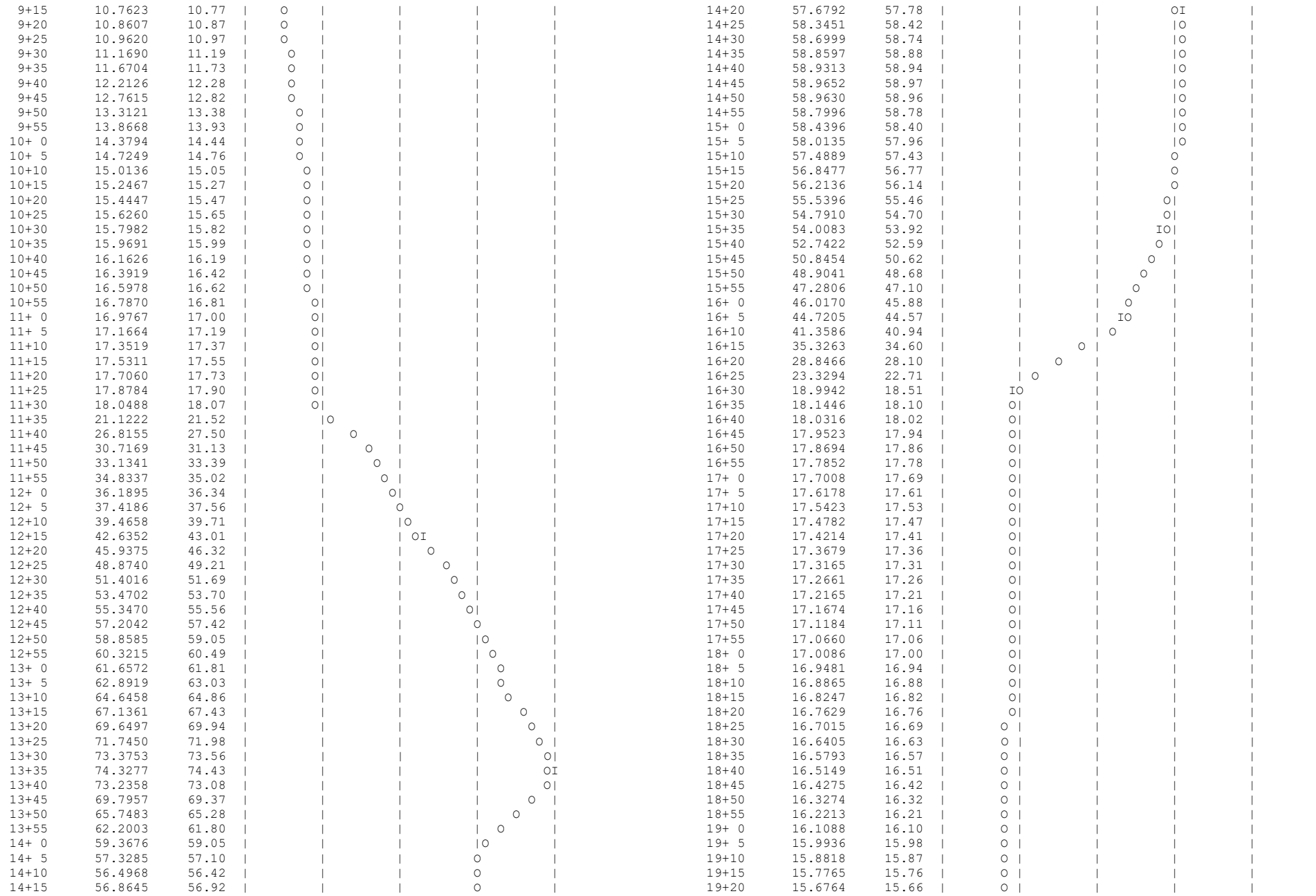
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	18.6	37.2	55.8	74.4
0+ 5	0.0125	0.01	O				
0+10	0.1088	0.12	O				
0+15	0.3243	0.35	O				
0+20	0.6044	0.64	O				
0+25	0.9346	0.97	O				
0+30	1.3140	1.36	O				
0+35	1.7034	1.75	O				
0+40	2.0749	2.12	IO				
0+45	2.4200	2.46	IO				
0+50	2.7420	2.78	IO				
0+55	3.0504	3.09	IO				
1+ 0	3.2009	3.22	IO				
1+ 5	3.3363	3.35	IO				
1+10	3.4585	3.47	IO				
1+15	3.5570	3.57	IO				
1+20	3.6395	3.65	IO				
1+25	3.7134	3.72	IOI				
1+30	3.7820	3.79	I O				
1+35	3.8468	3.85	I O				
1+40	3.9089	3.92	I O				
1+45	3.9684	3.98	I O				
1+50	4.0278	4.03	I O				
1+55	4.0998	4.11	I O				
2+ 0	4.1917	4.20	I O				
2+ 5	4.2943	4.31	I O				
2+10	4.3996	4.41	I O				
2+15	4.5044	4.52	I O				
2+20	4.5811	4.59	I O				
2+25	4.6405	4.65	I O				
2+30	4.6972	4.70	I O				
2+35	4.7542	4.76	I O				
2+40	4.8186	4.83	I O				
2+45	4.8947	4.90	I O				
2+50	4.9773	4.99	I O				
2+55	5.0617	5.07	I O				
3+ 0	5.1463	5.16	I O				
3+ 5	5.2301	5.24	I O				
3+10	5.3124	5.32	I O				
3+15	5.3934	5.40	I O				
3+20	5.4728	5.48	I O				
3+25	5.5506	5.56	I O				
3+30	5.6269	5.64	I O				
3+35	5.6870	5.69	I O				
3+40	5.7371	5.74	I O				
3+45	5.7857	5.79	I O				
3+50	5.8344	5.84	I O				
3+55	5.8882	5.89	I O				
4+ 0	5.9499	5.96	I O				
4+ 5	6.0161	6.02	I O				
4+10	6.0839	6.09	I O				
4+15	6.1519	6.16	I O				
4+20	6.2205	6.23	I O				
4+25	6.2946	6.30	I O				
4+30	6.3771	6.39	I O				
4+35	6.4645	6.47	I O				
4+40	6.5535	6.56	I O				
4+45	6.6274	6.64	I O				
4+50	6.6965	6.70	I O				
4+55	6.7702	6.78	I O				
5+ 0	6.8517	6.86	I O				
5+ 5	6.9362	6.95	I O				
5+10	7.0119	7.02	I O				
5+15	7.0722	7.08	I O				
5+20	7.1235	7.13	I O				
5+25	7.1751	7.18	I O				
5+30	7.2318	7.24	I O				
5+35	7.2926	7.30	I O				
5+40	7.3601	7.37	I O				
5+45	7.4362	7.45	IOI				
5+50	7.5171	7.53	I O				
5+55	7.5944	7.60	I O				
6+ 0	7.6542	7.66	I O				
6+ 5	7.7124	7.72	I O				
6+10	7.7742	7.78	I O				
6+15	7.8415	7.85	I O				
6+20	7.9120	7.92	I O				
6+25	7.9838	7.99	I O				
6+30	8.0559	8.06	I O				
6+35	8.1286	8.14	I O				
6+40	8.2047	8.21	I O				
6+45	8.2862	8.30	I O				
6+50	8.3709	8.38	I O				
6+55	8.4460	8.45	I O				
7+ 0	8.5145	8.52	I O				
7+ 5	8.5822	8.59	I O				
7+10	8.6498	8.66	I O				
7+15	8.7171	8.72	I O				
7+20	8.7846	8.79	I O				
7+25	8.8548	8.86	I O				
7+30	8.9292	8.94	I O				
7+35	9.0065	9.02	I O				
7+40	9.0876	9.10	I O				
7+45	9.1677	9.18	I O				
7+50	9.2404	9.25	I O				
7+55	9.3151	9.32	I O				
8+ 0	9.3937	9.40	I O				
8+ 5	9.4752	9.48	I O				
8+10	9.5623	9.57	I O				
8+15	9.6569	9.67	I O				
8+20	9.7559	9.77	I O				
8+25	9.8505	9.86	I O				
8+30	9.9383	9.95	I O				
8+35	10.0257	10.04	I O				
8+40	10.1150	10.13	I O				
8+45	10.2073	10.22	I O				
8+50	10.3015	10.31	I O				
8+55	10.3983	10.41	I O				
9+ 0	10.4911	10.50	I O				
9+ 5	10.5777	10.59	I O				
9+10	10.6674	10.68	I O				



9+15	10.7623	10.77	
9+20	10.8607	10.87	
9+25	10.9620	10.97	
9+30	11.1690	11.19	
9+35	11.6704	11.73	
9+40	12.2126	12.28	
9+45	12.7615	12.82	
9+50	13.3121	13.38	
9+55	13.8668	13.93	
10+ 0	14.3794	14.44	
10+ 5	14.7249	14.76	
10+10	15.0136	15.05	
10+15	15.2467	15.27	
10+20	15.4447	15.47	
10+25	15.6260	15.65	
10+30	15.7982	15.82	
10+35	15.9691	15.99	
10+40	16.1626	16.19	
10+45	16.3919	16.42	
10+50	16.5978	16.62	
10+55	16.7870	16.81	
11+ 0	16.9767	17.00	
11+ 5	17.1664	17.19	
11+10	17.3519	17.37	
11+15	17.5311	17.55	
11+20	17.7060	17.73	
11+25	17.8784	17.90	
11+30	18.0488	18.07	
11+35	21.1222	21.52	
11+40	26.8155	27.50	
11+45	30.7169	31.13	
11+50	33.1341	33.39	
11+55	34.8337	35.02	
12+ 0	36.1895	36.34	
12+ 5	37.4186	37.56	
12+10	39.4658	39.71	
12+15	42.6352	43.01	
12+20	45.9375	46.32	
12+25	48.8740	49.21	
12+30	51.4016	51.69	
12+35	53.4702	53.70	
12+40	55.3470	55.56	
12+45	57.2042	57.42	
12+50	58.8585	59.05	
12+55	60.3215	60.49	
13+ 0	61.6572	61.81	
13+ 5	62.8919	63.03	
13+10	64.6458	64.86	
13+15	67.1361	67.43	
13+20	69.6497	69.94	
13+25	71.7450	71.98	
13+30	73.3753	73.56	
13+35	74.3277	74.43	
13+40	73.2358	73.08	
13+45	69.7957	69.37	
13+50	65.7483	65.28	
13+55	62.2003	61.80	
14+ 0	59.3676	59.05	
14+ 5	57.3285	57.10	
14+10	56.4968	56.42	
14+15	56.8645	56.92	
14+20	57.6792	57.78	
14+25	58.3451	58.42	
14+30	58.6999	58.74	
14+35	58.8597	58.88	
14+40	58.9313	58.94	
14+45	58.9652	58.97	
14+50	58.9630	58.96	
14+55	58.7996	58.78	
15+ 0	58.4396	58.40	
15+ 5	58.0135	57.96	
15+10	57.4889	57.43	
15+15	56.8477	56.77	
15+20	56.2136	56.14	
15+25	55.5396	55.46	
15+30	54.7910	54.70	
15+35	54.0083	53.92	
15+40	52.7422	52.59	
15+45	50.8454	50.62	
15+50	48.9041	48.68	
15+55	47.2806	47.10	
16+ 0	46.0170	45.88	
16+ 5	44.7205	44.57	
16+10	41.3586	40.94	
16+15	35.3263	34.60	
16+20	28.8466	28.10	
16+25	23.3294	22.71	
16+30	18.9942	18.51	
16+35	18.1446	18.10	
16+40	18.0316	18.02	
16+45	17.9523	17.94	
16+50	17.8694	17.86	
16+55	17.7852	17.78	
17+ 0	17.7008	17.69	
17+ 5	17.6178	17.61	
17+10	17.5423	17.53	
17+15	17.4782	17.47	
17+20	17.4214	17.41	
17+25	17.3679	17.36	
17+30	17.3165	17.31	
17+35	17.2661	17.26	
17+40	17.2165	17.21	
17+45	17.1674	17.16	
17+50	17.1184	17.11	
17+55	17.0660	17.06	
18+ 0	17.0086	17.00	
18+ 5	16.9481	16.94	
18+10	16.8865	16.88	
18+15	16.8247	16.82	
18+20	16.7629	16.76	
18+25	16.7015	16.69	
18+30	16.6405	16.63	
18+35	16.5793	16.57	
18+40	16.5149	16.51	
18+45	16.4275	16.42	
18+50	16.3274	16.32	
18+55	16.2213	16.21	
19+ 0	16.1088	16.10	
19+ 5	15.9936	15.98	
19+10	15.8818	15.87	
19+15	15.7765	15.76	
19+20	15.6764	15.66	

19+25	15.5841	15.57		O					24+30	10.5082	10.50		O						
19+30	15.5011	15.49		O					24+35	10.4744	10.47		O						
19+35	15.4235	15.41		O					24+40	10.4365	10.43		O						
19+40	15.3438	15.33		O					24+45	10.3963	10.39		O						
19+45	15.2585	15.25		O					24+50	10.3560	10.35		O						
19+50	15.1692	15.16		O					24+55	10.3159	10.31		O						
19+55	15.0745	15.06		O					25+ 0	10.2758	10.27		O						
20+ 0	14.9733	14.96		O					25+ 5	10.2360	10.23		O						
20+ 5	14.8692	14.86		O					25+10	10.1963	10.19		O						
20+10	14.7685	14.76		O					25+15	10.1567	10.15		O						
20+15	14.6744	14.66		O					25+20	10.1173	10.11		O						
20+20	14.5848	14.57		O					25+25	10.0781	10.07		O						
20+25	14.4977	14.49		O					25+30	10.0390	10.03		O						
20+30	14.4124	14.40		O					25+35	10.0000	10.00		O						
20+35	14.3027	14.29		O					25+40	9.9612	9.96		O						
20+40	14.1653	14.15		O					25+45	9.9226	9.92		O						
20+45	14.0269	14.01		O					25+50	9.8841	9.88		O						
20+50	13.8899	13.87		O					25+55	9.8458	9.84		O						
20+55	13.7477	13.73		O					26+ 0	9.8051	9.80		O						
21+ 0	13.5964	13.58		O					26+ 5	9.7611	9.76		O						
21+ 5	13.4415	13.42		O					26+10	9.7169	9.71		O						
21+10	13.2937	13.28		O					26+15	9.6729	9.67		O						
21+15	13.1582	13.14		O					26+20	9.6291	9.62		O						
21+20	13.0305	13.02		IO					26+25	9.5855	9.58		O						
21+25	12.9000	12.88		O					26+30	9.5422	9.54		O						
21+30	12.7616	12.75		O					26+35	9.4990	9.49		O						
21+35	12.6199	12.60		O					26+40	9.4560	9.45		O						
21+40	12.4853	12.47		O					26+45	9.4131	9.41		O						
21+45	12.3633	12.35		O					26+50	9.3705	9.37		O						
21+50	12.2488	12.24		O					26+55	9.3281	9.32		O						
21+55	12.1315	12.12		O					27+ 0	9.2859	9.28		O						
22+ 0	12.0058	11.99		O					27+ 5	9.2439	9.24		O						
22+ 5	11.8767	11.86		O					27+10	9.2020	9.20		O						
22+10	11.7544	11.74		O					27+15	9.1603	9.16		O						
22+15	11.6447	11.63		O					27+20	9.1111	9.11		O						
22+20	11.5424	11.53		O					27+25	9.0598	9.05		O						
22+25	11.4369	11.42		O					27+30	9.0087	9.00		O						
22+30	11.3228	11.31		O					27+35	8.9579	8.95		O						
22+35	11.2038	11.19		O					27+40	8.9074	8.90		O						
22+40	11.0836	11.07		O					27+45	8.8572	8.85		O						
22+45	11.0348	11.03		O					27+50	8.8072	8.80		O						
22+50	11.0094	11.01		O					27+55	8.7575	8.75		O						
22+55	10.9859	10.98		O					28+ 0	8.7081	8.70		O						
23+ 0	10.9623	10.96		O					28+ 5	8.6590	8.65		O						
23+ 5	10.9389	10.94		O					28+10	8.6102	8.60		O						
23+10	10.9155	10.91		O					28+15	8.5616	8.56		O						
23+15	10.8921	10.89		O					28+20	8.5133	8.51		O						
23+20	10.8689	10.87		O					28+25	8.4653	8.46		O						
23+25	10.8457	10.84		O					28+30	8.4175	8.41		O						
23+30	10.8226	10.82		O					28+35	8.3592	8.35		O						
23+35	10.7996	10.80		O					28+40	8.2993	8.29		O						
23+40	10.7766	10.77		O					28+45	8.2398	8.23		O						
23+45	10.7537	10.75		O					28+50	8.1808	8.17		O						
23+50	10.7309	10.73		O					28+55	8.1221	8.12		O						
23+55	10.7082	10.71		O					29+ 0	8.0639	8.06		O						
24+ 0	10.6855	10.68		O					29+ 5	8.0061	8.00		O						
24+ 5	10.6625	10.66		O					29+10	7.9487	7.94		O						
24+10	10.6369	10.63		O					29+15	7.8917	7.89		O						
24+15	10.6072	10.60		O					29+20	7.8352	7.83		O						
24+20	10.5751	10.57		O					29+25	7.7790	7.77		O						
24+25	10.5419	10.54		O					29+30	7.7232	7.72		O						

29+35	7.6679	7.66	O				
29+40	7.6129	7.61	O				
29+45	7.5433	7.54	O				
29+50	7.4659	7.46	O				
29+55	7.3884	7.38	O				
30+ 0	7.3118	7.30	O				
30+ 5	7.2359	7.23	O				
30+10	7.1609	7.15	O				
30+15	7.0866	7.08	O				
30+20	7.0131	7.00	O				
30+25	6.9403	6.93	O				
30+30	6.8683	6.86	O				
30+35	6.7970	6.79	O				
30+40	6.7265	6.72	O				
30+45	6.6567	6.65	O				
30+50	6.5876	6.58	O				
30+55	6.5004	6.49	O				
31+ 0	6.4118	6.40	O				
31+ 5	6.3245	6.31	O				
31+10	6.2383	6.23	O				
31+15	6.1534	6.14	O				
31+20	6.0695	6.06	O				
31+25	5.9869	5.98	O				
31+30	5.9053	5.90	O				
31+35	5.8249	5.82	O				
31+40	5.7455	5.74	O				
31+45	5.6665	5.66	O				
31+50	5.5556	5.54	O				
31+55	5.4426	5.43	O				
32+ 0	5.3319	5.32	O				
32+ 5	5.2234	5.21	O				
32+10	5.1172	5.10	O				
32+15	5.0131	5.00	O				
32+20	4.9111	4.90	O				
32+25	4.8112	4.80	O				
32+30	4.7134	4.70	O				
32+35	4.6175	4.61	O				
32+40	4.4992	4.49	O				
32+45	4.3448	4.33	O				
32+50	4.1911	4.17	O				
32+55	4.0428	4.03	O				
33+ 0	3.8998	3.88	O				
33+ 5	3.7618	3.75	O				
33+10	3.6287	3.61	O				
33+15	3.5003	3.49	O				
33+20	3.3765	3.36	O				
33+25	3.2570	3.24	O				
33+30	3.1418	3.13	O				
33+35	2.9447	2.92	O				
33+40	2.6588	2.62	O				
33+45	2.3892	2.36	O				
33+50	2.1470	2.12	O				
33+55	1.9294	1.90	O				
34+ 0	1.7338	1.71	O				
34+ 5	1.5580	1.54	O				
34+10	1.4001	1.38	O				
34+15	1.2582	1.24	O				
34+20	1.1306	1.12	O				
34+25	1.0160	1.00	O				
34+30	0.9130	0.90	O				
34+35	0.8205	0.81	O				
34+40	0.7373	0.73	O				
34+45	0.6626	0.65	O				
34+50	0.5954	0.59	O				
34+55	0.5350	0.53	O				
35+ 0	0.4808	0.47	O				
35+ 5	0.4321	0.43	O				
35+10	0.3883	0.38	O				
35+15	0.3489	0.34	O				
35+20	0.3135	0.31	O				
35+25	0.2817	0.28	O				
35+30	0.2532	0.25	O				
35+35	0.2275	0.22	O				
35+40	0.2045	0.20	O				
35+45	0.1837	0.18	O				
35+50	0.1651	0.16	O				
35+55	0.1484	0.15	O				
36+ 0	0.1333	0.13	O				
36+ 5	0.1198	0.12	O				
36+10	0.1077	0.11	O				
36+15	0.0968	0.10	O				
36+20	0.0869	0.09	O				
36+25	0.0781	0.08	O				
36+30	0.0702	0.07	O				
36+35	0.0631	0.06	O				
36+40	0.0567	0.06	O				
36+45	0.0509	0.05	O				
36+50	0.0458	0.05	O				
36+55	0.0411	0.04	O				
37+ 0	0.0370	0.04	O				
37+ 5	0.0332	0.03	O				
37+10	0.0299	0.03	O				
37+15	0.0268	0.03	O				
37+20	0.0241	0.02	O				
37+25	0.0217	0.02	O				
37+30	0.0195	0.02	O				
37+35	0.0175	0.02	O				
37+40	0.0157	0.02	O				
37+45	0.0141	0.01	O				
37+50	0.0127	0.01	O				
37+55	0.0114	0.01	O				
38+ 0	0.0103	0.01	O				
38+ 5	0.0092	0.01	O				
38+10	0.0083	0.01	O				
38+15	0.0074	0.01	O				
38+20	0.0067	0.01	O				
38+25	0.0060	0.01	O				
38+30	0.0054	0.01	O				
38+35	0.0049	0.00	O				
38+40	0.0044	0.00	O				
38+45	0.0039	0.00	O				
38+50	0.0035	0.00	O				
38+55	0.0032	0.00	O				
39+ 0	0.0028	0.00	O				
39+ 5	0.0000	0.00	O				

**********HYDROGRAPH DATA**********

Number of intervals = 469
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 74.328 (CFS)
Total volume = 44.516 (Ac.Ft)

Status of hydrographs being held in storage

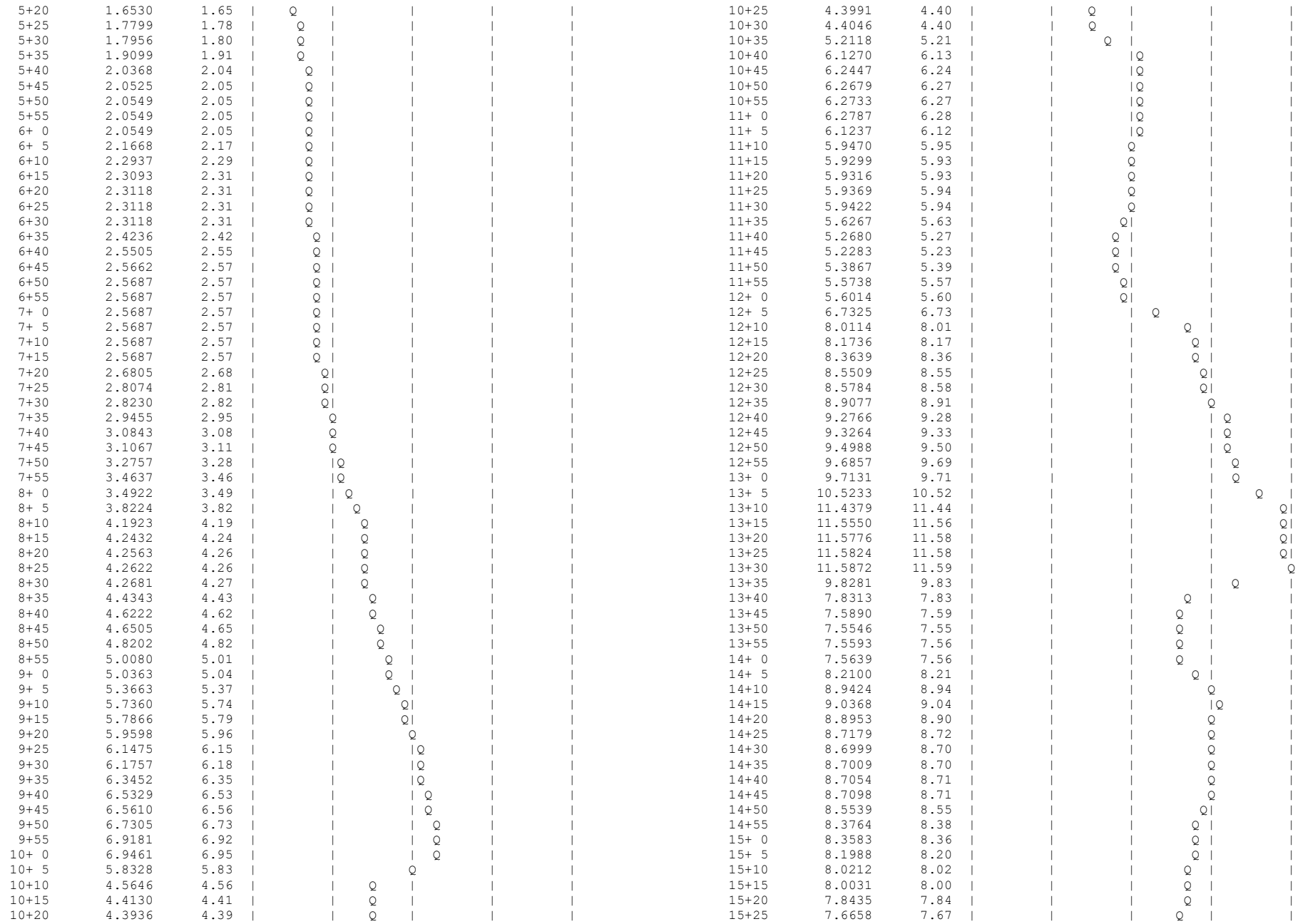
```
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.100 to Point/Station        5.300
**** FLOWBY BASIN ROUTING OR SPLIT FLOW ****
_______________________________________________________________________________
All flow in excess of     3.00(CFS) is diverted
into stream number 4
Total volume of excess flow diverted into flowby
basin (stream number 4 ) is      36.13(Ac.Ft)
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    P R I N T  O F  S T O R M
                  R u n o f f     H y d r o g r a p h
-------------------------------------------------------------------------------
              Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------------------
Time(h+m) Volume(Ac.Ft)   Q(CFS)  0        0.8       1.5       2.3       3.0
-------------------------------------------------------------------------------
  0+ 5       0.0001      0.01  Q         |         |         |         |
  0+10       0.0008      0.11  VQ        |         |         |         |
  0+15       0.0031      0.32  V   Q     |         |         |         |
  0+20       0.0072      0.60  V       Q |         |         |         |
  0+25       0.0137      0.93  V         | Q       |         |         |
  0+30       0.0227      1.31  V         |      Q  |         |         |
  0+35       0.0344      1.70  V         |         | Q       |         |
  0+40       0.0487      2.07  V         |         |      Q  |         |
  0+45       0.0654      2.42  V         |         |         | Q       |
  0+50       0.0843      2.74  V         |         |         |     Q   |
  0+55       0.1050      3.00  V         |         |         |       Q
  1+ 0       0.1256      3.00  V         |         |         |       Q
  1+ 5       0.1463      3.00  V         |         |         |       Q
  1+10       0.1669      3.00  V         |         |         |       Q
  1+15       0.1876      3.00  V         |         |         |       Q
  1+20       0.2083      3.00  V         |         |         |       Q
  1+25       0.2289      3.00  |V        |         |         |       Q
  1+30       0.2496      3.00  |V        |         |         |       Q
  1+35       0.2702      3.00  |V        |         |         |       Q
  1+40       0.2909      3.00  |V        |         |         |       Q
  1+45       0.3116      3.00  |V        |         |         |       Q
  1+50       0.3322      3.00  |V        |         |         |       Q
  1+55       0.3529      3.00  |V        |         |         |       Q
  2+ 0       0.3735      3.00  |V        |         |         |       Q
  2+ 5       0.3942      3.00  |V        |         |         |       Q
  2+10       0.4149      3.00  |V        |         |         |       Q
  2+15       0.4355      3.00  | V       |         |         |       Q
  2+20       0.4562      3.00  | V       |         |         |       Q
  2+25       0.4769      3.00  | V       |         |         |       Q
  2+30       0.4975      3.00  | V       |         |         |       Q
  2+35       0.5182      3.00  | V       |         |         |       Q
  2+40       0.5388      3.00  | V       |         |         |       Q
  2+45       0.5595      3.00  | V       |         |         |       Q
  2+50       0.5802      3.00  | V       |         |         |       Q
  2+55       0.6008      3.00  | V       |         |         |       Q
  3+ 0       0.6215      3.00  | V       |         |         |       Q
  3+ 5       0.6421      3.00  | V       |         |         |       Q
  3+10       0.6628      3.00  | V       |         |         |       Q
  3+15       0.6835      3.00  | V       |         |         |       Q
  3+20       0.7041      3.00  | V       |         |         |       Q
  3+25       0.7248      3.00  | V       |         |         |       Q
  3+30       0.7454      3.00  | V       |         |         |       Q
  3+35       0.7661      3.00  | V       |         |         |       Q
  3+40       0.7868      3.00  | V       |         |         |       Q
  3+45       0.8074      3.00  | V       |         |         |       Q
  3+50       0.8281      3.00  | V       |         |         |       Q
  3+55       0.8488      3.00  |  V      |         |         |       Q
  4+ 0       0.8694      3.00  |  V      |         |         |       Q
  4+ 5       0.8901      3.00  |  V      |         |         |       Q
  4+10       0.9107      3.00  |  V      |         |         |       Q
  4+15       0.9314      3.00  |  V      |         |         |       Q
  4+20       0.9521      3.00  |  V      |         |         |       Q
  4+25       0.9727      3.00  |  V      |         |         |       Q
  4+30       0.9934      3.00  |  V      |         |         |       Q
  4+35       1.0140      3.00  |  V      |         |         |       Q
  4+40       1.0347      3.00  |  V      |         |         |       Q
  4+45       1.0554      3.00  |   V     |         |         |       Q
  4+50       1.0760      3.00  |   V     |         |         |       Q
  4+55       1.0967      3.00  |   V     |         |         |       Q
  5+ 0       1.1173      3.00  |   V     |         |         |       Q
  5+ 5       1.1380      3.00  |   V     |         |         |       Q
  5+10       1.1587      3.00  |   V     |         |         |       Q
  5+15       1.1793      3.00  |   V     |         |         |       Q
  5+20       1.2000      3.00  |   V     |         |         |       Q
  5+25       1.2207      3.00  |   V     |         |         |       Q
  5+30       1.2413      3.00  |   V     |         |         |       Q
  5+35       1.2620      3.00  |    V    |         |         |       Q
  5+40       1.2826      3.00  |    V    |         |         |       Q
  5+45       1.3033      3.00  |    V    |         |         |       Q
  5+50       1.3240      3.00  |    V    |         |         |       Q
  5+55       1.3446      3.00  |    V    |         |         |       Q
  6+ 0       1.3653      3.00  |    V    |         |         |       Q
  6+ 5       1.3859      3.00  |    V    |         |         |       Q
  6+10       1.4066      3.00  |    V    |         |         |       Q
  6+15       1.4273      3.00  |    V    |         |         |       Q
  6+20       1.4479      3.00  |    V    |         |         |       Q
  6+25       1.4686      3.00  |     V   |         |         |       Q
  6+30       1.4892      3.00  |     V   |         |         |       Q
  6+35       1.5099      3.00  |     V   |         |         |       Q
  6+40       1.5306      3.00  |     V   |         |         |       Q
  6+45       1.5512      3.00  |     V   |         |         |       Q
  6+50       1.5719      3.00  |     V   |         |         |       Q
  6+55       1.5926      3.00  |     V   |         |         |       Q
  7+ 0       1.6132      3.00  |     V   |         |         |       Q
  7+ 5       1.6339      3.00  |     V   |         |         |       Q
  7+10       1.6545      3.00  |     V   |         |         |       Q
  7+15       1.6752      3.00  |     V   |         |         |       Q
  7+20       1.6959      3.00  |      V  |         |         |       Q
  7+25       1.7165      3.00  |      V  |         |         |       Q
  7+30       1.7372      3.00  |      V  |         |         |       Q
  7+35       1.7578      3.00  |      V  |         |         |       Q
  7+40       1.7785      3.00  |      V  |         |         |       Q
  7+45       1.7992      3.00  |      V  |         |         |       Q
  7+50       1.8198      3.00  |      V  |         |         |       Q
  7+55       1.8405      3.00  |      V  |         |         |       Q
  8+ 0       1.8611      3.00  |      V  |         |         |       Q
  8+ 5       1.8818      3.00  |      V  |         |         |       Q
```

8+10	1.9025	3.00		V				Q		13+15	3.1628	3.00			V				Q
8+15	1.9231	3.00		V				Q		13+20	3.1835	3.00			V				Q
8+20	1.9438	3.00		V				Q		13+25	3.2041	3.00			V				Q
8+25	1.9645	3.00		V				Q		13+30	3.2248	3.00			V				Q
8+30	1.9851	3.00		V				Q		13+35	3.2454	3.00			V				Q
8+35	2.0058	3.00		V				Q		13+40	3.2661	3.00			V				Q
8+40	2.0264	3.00		V				Q		13+45	3.2868	3.00			V				Q
8+45	2.0471	3.00		V				Q		13+50	3.3074	3.00			V				Q
8+50	2.0678	3.00		V				Q		13+55	3.3281	3.00			V				Q
8+55	2.0884	3.00		V				Q		14+ 0	3.3488	3.00			V				Q
9+ 0	2.1091	3.00		V				Q		14+ 5	3.3694	3.00			V				Q
9+ 5	2.1297	3.00		V				Q		14+10	3.3901	3.00			V				Q
9+10	2.1504	3.00		V				Q		14+15	3.4107	3.00			V				Q
9+15	2.1711	3.00		V				Q		14+20	3.4314	3.00			V				Q
9+20	2.1917	3.00		V				Q		14+25	3.4521	3.00			V				Q
9+25	2.2124	3.00		V				Q		14+30	3.4727	3.00			V				Q
9+30	2.2331	3.00		V				Q		14+35	3.4934	3.00			V				Q
9+35	2.2537	3.00		V				Q		14+40	3.5140	3.00			V				Q
9+40	2.2744	3.00		V				Q		14+45	3.5347	3.00			V				Q
9+45	2.2950	3.00		V				Q		14+50	3.5554	3.00			V				Q
9+50	2.3157	3.00		V				Q		14+55	3.5760	3.00			V				Q
9+55	2.3364	3.00			V			Q		15+ 0	3.5967	3.00			V				Q
10+ 0	2.3570	3.00			V			Q		15+ 5	3.6173	3.00			V				Q
10+ 5	2.3777	3.00			V			Q		15+10	3.6380	3.00			V				Q
10+10	2.3983	3.00			V			Q		15+15	3.6587	3.00			V				Q
10+15	2.4190	3.00			V			Q		15+20	3.6793	3.00			V				Q
10+20	2.4397	3.00			V			Q		15+25	3.7000	3.00			V				Q
10+25	2.4603	3.00			V			Q		15+30	3.7207	3.00			V				Q
10+30	2.4810	3.00			V			Q		15+35	3.7413	3.00			V				Q
10+35	2.5016	3.00			V			Q		15+40	3.7620	3.00			V				Q
10+40	2.5223	3.00			V			Q		15+45	3.7826	3.00			V				Q
10+45	2.5430	3.00			V			Q		15+50	3.8033	3.00			V				Q
10+50	2.5636	3.00			V			Q		15+55	3.8240	3.00			V				Q
10+55	2.5843	3.00			V			Q		16+ 0	3.8446	3.00			V				Q
11+ 0	2.6050	3.00			V			Q		16+ 5	3.8653	3.00			V				Q
11+ 5	2.6256	3.00			V			Q		16+10	3.8859	3.00			V				Q
11+10	2.6463	3.00			V			Q		16+15	3.9066	3.00			V				Q
11+15	2.6669	3.00			V			Q		16+20	3.9273	3.00			V				Q
11+20	2.6876	3.00			V			Q		16+25	3.9479	3.00			V				Q
11+25	2.7083	3.00			V			Q		16+30	3.9686	3.00			V				Q
11+30	2.7289	3.00			V			Q		16+35	3.9892	3.00			V				Q
11+35	2.7496	3.00			V			Q		16+40	4.0099	3.00			V				Q
11+40	2.7702	3.00			V			Q		16+45	4.0306	3.00			V				Q
11+45	2.7909	3.00			V			Q		16+50	4.0512	3.00			V				Q
11+50	2.8116	3.00			V			Q		16+55	4.0719	3.00			V				Q
11+55	2.8322	3.00			V			Q		17+ 0	4.0926	3.00			V				Q
12+ 0	2.8529	3.00			V			Q		17+ 5	4.1132	3.00			V				Q
12+ 5	2.8735	3.00			V			Q		17+10	4.1339	3.00			V				Q
12+10	2.8942	3.00			V			Q		17+15	4.1545	3.00			V				Q
12+15	2.9149	3.00			V			Q		17+20	4.1752	3.00			V				Q
12+20	2.9355	3.00			V			Q		17+25	4.1959	3.00			V				Q
12+25	2.9562	3.00			V			Q		17+30	4.2165	3.00			V				Q
12+30	2.9769	3.00			V			Q		17+35	4.2372	3.00			V				Q
12+35	2.9975	3.00			V			Q		17+40	4.2578	3.00			V				Q
12+40	3.0182	3.00			V			Q		17+45	4.2785	3.00			V				Q
12+45	3.0388	3.00			V			Q		17+50	4.2992	3.00			V				Q
12+50	3.0595	3.00			V			Q		17+55	4.3198	3.00			V				Q
12+55	3.0802	3.00			V			Q		18+ 0	4.3405	3.00			V				Q
13+ 0	3.1008	3.00			V			Q		18+ 5	4.3611	3.00			V				Q
13+ 5	3.1215	3.00			V			Q		18+10	4.3818	3.00			V				Q
13+10	3.1421	3.00			V			Q		18+15	4.4025	3.00			V				Q

18+20	4.4231	3.00	|	|	|V	|	Q	23+25	5.6835	3.00	|	|	|	V	|	Q
18+25	4.4438	3.00	|	|	|V	|	Q	23+30	5.7041	3.00	|	|	|	V	|	Q
18+30	4.4645	3.00	|	|	|V	|	Q	23+35	5.7248	3.00	|	|	|	V	|	Q
18+35	4.4851	3.00	|	|	|V	|	Q	23+40	5.7454	3.00	|	|	|	V	|	Q
18+40	4.5058	3.00	|	|	|V	|	Q	23+45	5.7661	3.00	|	|	|	V	|	Q
18+45	4.5264	3.00	|	|	|V	|	Q	23+50	5.7868	3.00	|	|	|	V	|	Q
18+50	4.5471	3.00	|	|	|V	|	Q	23+55	5.8074	3.00	|	|	|	V	|	Q
18+55	4.5678	3.00	|	|	|V	|	Q	24+ 0	5.8281	3.00	|	|	|	V	|	Q
19+ 0	4.5884	3.00	|	|	|V	|	Q	24+ 5	5.8488	3.00	|	|	|	V	|	Q
19+ 5	4.6091	3.00	|	|	|V	|	Q	24+10	5.8694	3.00	|	|	|	V	|	Q
19+10	4.6297	3.00	|	|	| V	|	Q	24+15	5.8901	3.00	|	|	|	V	|	Q
19+15	4.6504	3.00	|	|	| V	|	Q	24+20	5.9107	3.00	|	|	|	V	|	Q
19+20	4.6711	3.00	|	|	| V	|	Q	24+25	5.9314	3.00	|	|	|	V	|	Q
19+25	4.6917	3.00	|	|	| V	|	Q	24+30	5.9521	3.00	|	|	|	V	|	Q
19+30	4.7124	3.00	|	|	| V	|	Q	24+35	5.9727	3.00	|	|	|	V	|	Q
19+35	4.7331	3.00	|	|	| V	|	Q	24+40	5.9934	3.00	|	|	|	V	|	Q
19+40	4.7537	3.00	|	|	| V	|	Q	24+45	6.0140	3.00	|	|	|	V	|	Q
19+45	4.7744	3.00	|	|	| V	|	Q	24+50	6.0347	3.00	|	|	|	V	|	Q
19+50	4.7950	3.00	|	|	| V	|	Q	24+55	6.0554	3.00	|	|	|	V	|	Q
19+55	4.8157	3.00	|	|	| V	|	Q	25+ 0	6.0760	3.00	|	|	|	V	|	Q
20+ 0	4.8364	3.00	|	|	| V	|	Q	25+ 5	6.0967	3.00	|	|	|	V|	Q
20+ 5	4.8570	3.00	|	|	| V	|	Q	25+10	6.1173	3.00	|	|	|	V|	Q
20+10	4.8777	3.00	|	|	| V	|	Q	25+15	6.1380	3.00	|	|	|	V|	Q
20+15	4.8983	3.00	|	|	| V	|	Q	25+20	6.1587	3.00	|	|	|	V|	Q
20+20	4.9190	3.00	|	|	| V	|	Q	25+25	6.1793	3.00	|	|	|	V|	Q
20+25	4.9397	3.00	|	|	| V	|	Q	25+30	6.2000	3.00	|	|	|	V|	Q
20+30	4.9603	3.00	|	|	| V	|	Q	25+35	6.2207	3.00	|	|	|	V|	Q
20+35	4.9810	3.00	|	|	| V	|	Q	25+40	6.2413	3.00	|	|	|	V|	Q
20+40	5.0016	3.00	|	|	| V	|	Q	25+45	6.2620	3.00	|	|	|	V|	Q
20+45	5.0223	3.00	|	|	| V	|	Q	25+50	6.2826	3.00	|	|	|	V|	Q
20+50	5.0430	3.00	|	|	| V	|	Q	25+55	6.3033	3.00	|	|	|	V	Q
20+55	5.0636	3.00	|	|	| V	|	Q	26+ 0	6.3240	3.00	|	|	|	V	Q
21+ 0	5.0843	3.00	|	|	| V	|	Q	26+ 5	6.3446	3.00	|	|	|	V	Q
21+ 5	5.1050	3.00	|	|	| V	|	Q	26+10	6.3653	3.00	|	|	|	V	Q
21+10	5.1256	3.00	|	|	| V	|	Q	26+15	6.3859	3.00	|	|	|	V	Q
21+15	5.1463	3.00	|	|	| V	|	Q	26+20	6.4066	3.00	|	|	|	V	Q
21+20	5.1669	3.00	|	|	| V	|	Q	26+25	6.4273	3.00	|	|	|	V	Q
21+25	5.1876	3.00	|	|	| V	|	Q	26+30	6.4479	3.00	|	|	|	V	Q
21+30	5.2083	3.00	|	|	| V	|	Q	26+35	6.4686	3.00	|	|	|	V	Q
21+35	5.2289	3.00	|	|	| V	|	Q	26+40	6.4892	3.00	|	|	|	V	Q
21+40	5.2496	3.00	|	|	| V	|	Q	26+45	6.5099	3.00	|	|	|	V	Q
21+45	5.2702	3.00	|	|	| V	|	Q	26+50	6.5306	3.00	|	|	|	|V	Q
21+50	5.2909	3.00	|	|	| V	|	Q	26+55	6.5512	3.00	|	|	|	|V	Q
21+55	5.3116	3.00	|	|	| V	|	Q	27+ 0	6.5719	3.00	|	|	|	|V	Q
22+ 0	5.3322	3.00	|	|	| V	|	Q	27+ 5	6.5926	3.00	|	|	|	|V	Q
22+ 5	5.3529	3.00	|	|	| V	|	Q	27+10	6.6132	3.00	|	|	|	|V	Q
22+10	5.3735	3.00	|	|	| V	|	Q	27+15	6.6339	3.00	|	|	|	|V	Q
22+15	5.3942	3.00	|	|	| V	|	Q	27+20	6.6545	3.00	|	|	|	|V	Q
22+20	5.4149	3.00	|	|	| V	|	Q	27+25	6.6752	3.00	|	|	|	|V	Q
22+25	5.4355	3.00	|	|	| V	|	Q	27+30	6.6959	3.00	|	|	|	|V	Q
22+30	5.4562	3.00	|	|	| V	|	Q	27+35	6.7165	3.00	|	|	|	| V	Q
22+35	5.4769	3.00	|	|	| V	|	Q	27+40	6.7372	3.00	|	|	|	| V	Q
22+40	5.4975	3.00	|	|	| V	|	Q	27+45	6.7578	3.00	|	|	|	| V	Q
22+45	5.5182	3.00	|	|	| V	|	Q	27+50	6.7785	3.00	|	|	|	| V	Q
22+50	5.5388	3.00	|	|	| V	|	Q	27+55	6.7992	3.00	|	|	|	| V	Q
22+55	5.5595	3.00	|	|	| V	|	Q	28+ 0	6.8198	3.00	|	|	|	| V	Q
23+ 0	5.5802	3.00	|	|	| V	|	Q	28+ 5	6.8405	3.00	|	|	|	| V	Q
23+ 5	5.6008	3.00	|	|	| V	|	Q	28+10	6.8611	3.00	|	|	|	| V	Q
23+10	5.6215	3.00	|	|	| V	|	Q	28+15	6.8818	3.00	|	|	|	| V	Q
23+15	5.6421	3.00	|	|	| V	|	Q	28+20	6.9025	3.00	|	|	|	| V	Q
23+20	5.6628	3.00	|	|	| V	|	Q	28+25	6.9231	3.00	|	|	|	| V	Q

| | | |

```
  38+40       8.3841      0.00  Q         |         |         |        V|
  38+45       8.3841      0.00  Q         |         |         |        V|
  38+50       8.3842      0.00  Q         |         |         |        V|
  38+55       8.3842      0.00  Q         |         |         |        V|
  39+ 0       8.3842      0.00  Q         |         |         |        V|
  39+ 5       8.3842      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                     Number of intervals =   469
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =         3.000 (CFS)
                     Total volume =       8.384 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000    71.328     0.000
            Vol (Ac.Ft)     0.000     0.000     0.000    36.132     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        5.300 to Point/Station        5.300
      **** STORE OR DELETE CURRENT HYDROGRAPH ****
      _____________________________________________________________________
      Current stream hydrograph of   5.0 minute
      intervals has been stored as stream number 1 with
      a starting time of   0.00 hours and ending time of  25.00 hours
      With a total volume of       6.08(Ac.Ft)
      ****************************HYDROGRAPH DATA****************************
                     Number of intervals =     0
                     Time interval =    0.0 (Min.)
                     Maximum/Peak flow rate =        0.000 (CFS)
                     Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      3.000     0.000     0.000    71.328     0.000
            Vol (Ac.Ft)     6.076     0.000     0.000    36.132     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        5.200 to Point/Station        5.300
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      _____________________________________________________________________
      ********************* HYDROGRAPH INFORMATION **********************

                     From study/file name: 5C100CHK24100.rte
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T  O F  S T O R M
                    R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals (CFS)

      ---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        2.9       5.8       8.7      11.6
---------------------------------------------------------------------------
  0+ 5       0.2237      0.22  Q         |         |         |         |
  0+10       0.4775      0.48  |Q        |         |         |         |
  0+15       0.5088      0.51  |Q        |         |         |         |         |
  0+20       0.6256      0.63  | Q       |         |         |         |         |
  0+25       0.7525      0.75  | Q       |         |         |         |         |
  0+30       0.7681      0.77  | Q       |         |         |         |         |
  0+35       0.7706      0.77  | Q       |         |         |         |         |
  0+40       0.7706      0.77  | Q       |         |         |         |         |
  0+45       0.7706      0.77  | Q       |         |         |         |         |
  0+50       0.8824      0.88  |  Q      |         |         |         |         |
  0+55       1.0093      1.01  |  Q      |         |         |         |         |
  1+ 0       1.0250      1.02  |  Q      |         |         |         |         |
  1+ 5       0.9156      0.92  |  Q      |         |         |         |         |
  1+10       0.7887      0.79  | Q       |         |         |         |         |
  1+15       0.7731      0.77  | Q       |         |         |         |         |
  1+20       0.7706      0.77  | Q       |         |         |         |         |
  1+25       0.7706      0.77  | Q       |         |         |         |         |
  1+30       0.7706      0.77  | Q       |         |         |         |         |
  1+35       0.7706      0.77  | Q       |         |         |         |         |
  1+40       0.7706      0.77  | Q       |         |         |         |         |
  1+45       0.7706      0.77  | Q       |         |         |         |         |
  1+50       0.8824      0.88  |  Q      |         |         |         |         |
  1+55       1.0093      1.01  |  Q      |         |         |         |         |
  2+ 0       1.0250      1.02  |  Q      |         |         |         |         |
  2+ 5       1.0275      1.03  |  Q      |         |         |         |         |
  2+10       1.0275      1.03  |  Q      |         |         |         |         |
  2+15       1.0275      1.03  |  Q      |         |         |         |         |
  2+20       1.0275      1.03  |  Q      |         |         |         |         |
  2+25       1.0275      1.03  |  Q      |         |         |         |         |
  2+30       1.0275      1.03  |  Q      |         |         |         |         |
  2+35       1.1393      1.14  |  Q      |         |         |         |         |
  2+40       1.2662      1.27  |   Q     |         |         |         |         |
  2+45       1.2819      1.28  |   Q     |         |         |         |         |
  2+50       1.2843      1.28  |   Q     |         |         |         |         |
  2+55       1.2843      1.28  |   Q     |         |         |         |         |
  3+ 0       1.2843      1.28  |   Q     |         |         |         |         |
  3+ 5       1.2843      1.28  |   Q     |         |         |         |         |
  3+10       1.2843      1.28  |   Q     |         |         |         |         |
  3+15       1.2843      1.28  |   Q     |         |         |         |         |
  3+20       1.2843      1.28  |   Q     |         |         |         |         |
  3+25       1.2843      1.28  |   Q     |         |         |         |         |
  3+30       1.2843      1.28  |   Q     |         |         |         |         |
  3+35       1.2843      1.28  |   Q     |         |         |         |         |
  3+40       1.2843      1.28  |   Q     |         |         |         |         |
  3+45       1.2843      1.28  |   Q     |         |         |         |         |
  3+50       1.3962      1.40  |   Q     |         |         |         |         |
  3+55       1.5231      1.52  |    Q    |         |         |         |         |
  4+ 0       1.5387      1.54  |    Q    |         |         |         |         |
  4+ 5       1.5412      1.54  |    Q    |         |         |         |         |
  4+10       1.5412      1.54  |    Q    |         |         |         |         |
  4+15       1.5412      1.54  |    Q    |         |         |         |         |
  4+20       1.6530      1.65  |    Q    |         |         |         |         |
  4+25       1.7799      1.78  |     Q   |         |         |         |         |
  4+30       1.7956      1.80  |     Q   |         |         |         |         |
  4+35       1.7981      1.80  |     Q   |         |         |         |         |
  4+40       1.7981      1.80  |     Q   |         |         |         |         |
  4+45       1.7981      1.80  |     Q   |         |         |         |         |
  4+50       1.9099      1.91  |     Q   |         |         |         |         |
  4+55       2.0368      2.04  |      Q  |         |         |         |         |
  5+ 0       2.0525      2.05  |      Q  |         |         |         |         |
  5+ 5       1.8313      1.83  |     Q   |         |         |         |         |
  5+10       1.5775      1.58  |    Q    |         |         |         |         |
  5+15       1.5462      1.55  |    Q    |         |         |         |         |
```



| | | |

15+30	7.6476	7.65				Q		
15+35	7.0069	7.01				Q		
15+40	6.2833	6.28			Q			
15+45	6.1976	6.20			Q			
15+50	6.1876	6.19			Q			
15+55	6.1917	6.19			Q			
16+ 0	6.1959	6.20			Q			
16+ 5	3.9469	3.95		Q				
16+10	1.3926	1.39		Q				
16+15	1.0774	1.08		Q				
16+20	1.0275	1.03		Q				
16+25	1.0275	1.03		Q				
16+30	1.0275	1.03		Q				
16+35	0.9156	0.92		Q				
16+40	0.7887	0.79	Q					
16+45	0.7731	0.77	Q					
16+50	0.7706	0.77	Q					
16+55	0.7706	0.77	Q					
17+ 0	0.7706	0.77	Q					
17+ 5	0.9943	0.99		Q				
17+10	1.2481	1.25		Q				
17+15	1.2794	1.28		Q				
17+20	1.2843	1.28		Q				
17+25	1.2843	1.28		Q				
17+30	1.2843	1.28		Q				
17+35	1.2843	1.28		Q				
17+40	1.2843	1.28		Q				
17+45	1.2843	1.28		Q				
17+50	1.1725	1.17		Q				
17+55	1.0456	1.05		Q				
18+ 0	1.0299	1.03		Q				
18+ 5	1.0275	1.03		Q				
18+10	1.0275	1.03		Q				
18+15	1.0275	1.03		Q				
18+20	1.0275	1.03		Q				
18+25	1.0275	1.03		Q				
18+30	1.0275	1.03		Q				
18+35	0.9156	0.92		Q				
18+40	0.7887	0.79	Q					
18+45	0.7731	0.77	Q					
18+50	0.6588	0.66	Q					
18+55	0.5319	0.53	Q					
19+ 0	0.5162	0.52	Q					
19+ 5	0.6256	0.63	Q					
19+10	0.7525	0.75	Q					
19+15	0.7681	0.77	Q					
19+20	0.8824	0.88		Q				
19+25	1.0093	1.01		Q				
19+30	1.0250	1.02		Q				
19+35	0.9156	0.92		Q				
19+40	0.7887	0.79	Q					
19+45	0.7731	0.77	Q					
19+50	0.6588	0.66	Q					
19+55	0.5319	0.53	Q					
20+ 0	0.5162	0.52	Q					
20+ 5	0.6256	0.63	Q					
20+10	0.7525	0.75	Q					
20+15	0.7681	0.77	Q					
20+20	0.7706	0.77	Q					
20+25	0.7706	0.77	Q					
20+30	0.7706	0.77	Q					
20+35	0.7706	0.77	Q					
20+40	0.7706	0.77	Q					
20+45	0.7706	0.77	Q					
20+50	0.6588	0.66	Q					
20+55	0.5319	0.53	Q					
21+ 0	0.5162	0.52	Q					
21+ 5	0.6256	0.63	Q					
21+10	0.7525	0.75	Q					
21+15	0.7681	0.77	Q					
21+20	0.6588	0.66	Q					
21+25	0.5319	0.53	Q					
21+30	0.5162	0.52	Q					
21+35	0.6256	0.63	Q					
21+40	0.7525	0.75	Q					
21+45	0.7681	0.77	Q					
21+50	0.6588	0.66	Q					
21+55	0.5319	0.53	Q					
22+ 0	0.5162	0.52	Q					
22+ 5	0.6256	0.63	Q					
22+10	0.7525	0.75	Q					
22+15	0.7681	0.77	Q					
22+20	0.6588	0.66	Q					
22+25	0.5319	0.53	Q					
22+30	0.5162	0.52	Q					
22+35	0.5137	0.51	Q					
22+40	0.5137	0.51	Q					
22+45	0.5137	0.51	Q					
22+50	0.5137	0.51	Q					
22+55	0.5137	0.51	Q					
23+ 0	0.5137	0.51	Q					
23+ 5	0.5137	0.51	Q					
23+10	0.5137	0.51	Q					
23+15	0.5137	0.51	Q					
23+20	0.5137	0.51	Q					
23+25	0.5137	0.51	Q					
23+30	0.5137	0.51	Q					
23+35	0.5137	0.51	Q					
23+40	0.5137	0.51	Q					
23+45	0.5137	0.51	Q					
23+50	0.5137	0.51	Q					
23+55	0.5137	0.51	Q					
24+ 0	0.5137	0.51	Q					
24+ 5	0.2901	0.29	Q					
24+10	0.0363	0.04	Q					
24+15	0.0050	0.00	Q					

**********HYDROGRAPH DATA**********

Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 11.587 (CFS)
Total volume = 6.242 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	3.000	0.000	0.000	71.328	0.000
Vol (Ac.Ft)	6.076	0.000	0.000	36.132	0.000

****

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Process from Point/Station 5.100 to Point/Station 5.300
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 4 the total
volume of 36.13 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	20.5	41.0	61.5	82.0
0+ 5	0.0000	0.22	Q				
0+10	0.0000	0.48	Q				
0+15	0.0000	0.51	Q				
0+20	0.0000	0.63	Q				
0+25	0.0000	0.75	Q				
0+30	0.0000	0.77	Q				
0+35	0.0000	0.77	Q				
0+40	0.0000	0.77	Q				
0+45	0.0000	0.77	Q				
0+50	0.0000	0.88	Q				
0+55	0.0504	1.06	Q				
1+ 0	0.2009	1.23	Q				
1+ 5	0.3363	1.25	Q				
1+10	0.4585	1.25	Q				
1+15	0.5570	1.33	Q				
1+20	0.6395	1.41	Q				
1+25	0.7134	1.48	Q				
1+30	0.7820	1.55	Q				
1+35	0.8468	1.62	Q				
1+40	0.9089	1.68	Q				
1+45	0.9684	1.74	Q				
1+50	1.0278	1.91	Q				
1+55	1.0998	2.11	qQ				
2+ 0	1.1917	2.22	qQ				
2+ 5	1.2943	2.32	qQ				
2+10	1.3996	2.43	qQ				
2+15	1.5044	2.53	qQ				
2+20	1.5811	2.61	qQ				
2+25	1.6405	2.67	qQ				
2+30	1.6972	2.72	qQ				
2+35	1.7542	2.89	qQ				
2+40	1.8186	3.08	qQ				
2+45	1.8947	3.18	qQ				
2+50	1.9773	3.26	qQ				
2+55	2.0617	3.35	|Q				
3+ 0	2.1463	3.43	|Q				
3+ 5	2.2301	3.51	|Q				
3+10	2.3124	3.60	|Q				
3+15	2.3934	3.68	|Q				
3+20	2.4728	3.76	|Q				
3+25	2.5506	3.83	|Q				
3+30	2.6269	3.91	|Q				
3+35	2.6870	3.97	|Q				
3+40	2.7371	4.02	|Q				
3+45	2.7857	4.07	|Q				
3+50	2.8344	4.23	|qQ				
3+55	2.8882	4.41	|qQ				
4+ 0	2.9499	4.49	|qQ				
4+ 5	3.0161	4.56	|qQ				
4+10	3.0839	4.63	|qQ				
4+15	3.1519	4.69	|qQ				
4+20	3.2205	4.87	|qQ				
4+25	3.2946	5.07	|qQ				
4+30	3.3771	5.17	|qQ				
4+35	3.4645	5.26	|qQ				
4+40	3.5535	5.35	|qQ				
4+45	3.6274	5.43	|qQ				
4+50	3.6965	5.61	|qQ				
4+55	3.7702	5.81	|qQ				
5+ 0	3.8517	5.90	|qQ				
5+ 5	3.9362	5.77	|qQ				
5+10	4.0119	5.59	|qQ				
5+15	4.0722	5.62	|qQ				
5+20	4.1235	5.78	| Q				
5+25	4.1751	5.96	| Q				
5+30	4.2318	6.03	| Q				
5+35	4.2926	6.20	| qQ				
5+40	4.3601	6.40	| qQ				
5+45	4.4362	6.49	| qQ				
5+50	4.5171	6.57	| qQ				
5+55	4.5944	6.65	| qQ				
6+ 0	4.6542	6.71	| qQ				
6+ 5	4.7124	6.88	| qQ				
6+10	4.7742	7.07	| qQ				
6+15	4.8415	7.15	| qQ				
6+20	4.9120	7.22	| qQ				
6+25	4.9838	7.30	| qQ				
6+30	5.0559	7.37	| qQ				
6+35	5.1286	7.55	| qQ				
6+40	5.2047	7.76	| qQ				
6+45	5.2862	7.85	| qQ				
6+50	5.3709	7.94	| qQ				
6+55	5.4460	8.01	| qQ				
7+ 0	5.5145	8.08	| qQ				
7+ 5	5.5822	8.15	| qQ				
7+10	5.6498	8.22	| q Q				
7+15	5.7171	8.29	| q Q				
7+20	5.7846	8.47	| q Q				
7+25	5.8548	8.66	| q Q				
7+30	5.9292	8.75	| q Q				
7+35	6.0065	8.95	| q Q				
7+40	6.0876	9.17	| q Q				
7+45	6.1677	9.27	| qQ				
7+50	6.2404	9.52	| qQ				
7+55	6.3151	9.78	| qQ				
8+ 0	6.3937	9.89	| qQ				
8+ 5	6.4752	10.30	| q Q				
8+10	6.5623	10.75	| q Q				
8+15	6.6569	10.90	| q Q				
8+20	6.7559	11.01	| q Q				
8+25	6.8505	11.11	| q Q				
8+30	6.9383	11.21	| q Q				
8+35	7.0257	11.46	| q Q				
8+40	7.1150	11.74	| q Q				
8+45	7.2073	11.86	| q Q				
8+50	7.3015	12.12	| q Q				

| | | |

19+ 5	12.9936	13.62	Q				
19+10	12.8818	13.63	Q				
19+15	12.7765	13.54	Q				
19+20	12.6764	13.56	Q				
19+25	12.5841	13.59	Q				
19+30	12.5011	13.53	Q				
19+35	12.4235	13.34	Q				
19+40	12.3438	13.13	Q				
19+45	12.2585	13.03	qQ				
19+50	12.1692	12.83	qQ				
19+55	12.0745	12.61	qQ				
20+ 0	11.9733	12.49	qQ				
20+ 5	11.8692	12.49	qQ				
20+10	11.7685	12.52	qQ				
20+15	11.6744	12.44	qQ				
20+20	11.5848	12.36	qQ				
20+25	11.4977	12.27	Q				
20+30	11.4124	12.18	Q				
20+35	11.3027	12.07	Q				
20+40	11.1653	11.94	Q				
20+45	11.0269	11.80	Q				
20+50	10.8899	11.55	Q				
20+55	10.7477	11.28	Q				
21+ 0	10.5964	11.11	Q				
21+ 5	10.4415	11.07	Q				
21+10	10.2937	11.05	Q				
21+15	10.1582	10.93	qQ				
21+20	10.0305	10.69	qQ				
21+25	9.9000	10.43	qQ				
21+30	9.7616	10.28	qQ				
21+35	9.6199	10.25	qQ				
21+40	9.4853	10.24	Q				
21+45	9.3633	10.13	Q				
21+50	9.2488	9.91	Q				
21+55	9.1315	9.66	Q				
22+ 0	9.0058	9.52	Q				
22+ 5	8.8767	9.50	Q				
22+10	8.7544	9.51	Q				
22+15	8.6447	9.41	Q				
22+20	8.5424	9.20	Q				
22+25	8.4369	8.97	Q				
22+30	8.3228	8.84	Q				
22+35	8.2038	8.72	Q				
22+40	8.0836	8.60	qQ				
22+45	8.0348	8.55	qQ				
22+50	8.0094	8.52	qQ				
22+55	7.9859	8.50	qQ				
23+ 0	7.9623	8.48	qQ				
23+ 5	7.9389	8.45	qQ				
23+10	7.9155	8.43	qQ				
23+15	7.8921	8.41	qQ				
23+20	7.8689	8.38	qQ				
23+25	7.8457	8.36	qQ				
23+30	7.8226	8.34	qQ				
23+35	7.7996	8.31	qQ				
23+40	7.7766	8.29	qQ				
23+45	7.7537	8.27	qQ				
23+50	7.7309	8.24	qQ				
23+55	7.7082	8.22	qQ				
24+ 0	7.6855	8.20	qQ				
24+ 5	7.6625	7.95	Q				
24+10	7.6369	7.67	Q				
24+15	7.6072	7.61	Q				
24+20	7.5751	7.58	Q				
24+25	7.5419	7.54	Q				
24+30	7.5082	7.51	Q				
24+35	7.4744	7.47	Q				
24+40	7.4365	7.44	Q				
24+45	7.3963	7.40	Q				
24+50	7.3560	7.36	Q				
24+55	7.3159	7.32	Q				
25+ 0	7.2758	7.28	Q				
25+ 5	7.2360	7.24	Q				
25+10	7.1963	7.20	Q				
25+15	7.1567	7.16	Q				
25+20	7.1173	7.12	Q				
25+25	7.0781	7.08	Q				
25+30	7.0390	7.04	Q				
25+35	7.0000	7.00	Q				
25+40	6.9612	6.96	Q				
25+45	6.9226	6.92	Q				
25+50	6.8841	6.88	Q				
25+55	6.8458	6.85	Q				
26+ 0	6.8051	6.81	Q				
26+ 5	6.7611	6.76	Q				
26+10	6.7169	6.72	Q				
26+15	6.6729	6.67	Q				
26+20	6.6291	6.63	Q				
26+25	6.5855	6.59	Q				
26+30	6.5422	6.54	Q				
26+35	6.4990	6.50	Q				
26+40	6.4560	6.46	Q				
26+45	6.4131	6.41	Q				
26+50	6.3705	6.37	Q				
26+55	6.3281	6.33	Q				
27+ 0	6.2859	6.29	Q				
27+ 5	6.2439	6.24	Q				
27+10	6.2020	6.20	Q				
27+15	6.1603	6.16	Q				
27+20	6.1111	6.11	Q				
27+25	6.0598	6.06	Q				
27+30	6.0087	6.01	Q				
27+35	5.9579	5.96	Q				
27+40	5.9074	5.91	Q				
27+45	5.8572	5.86	Q				
27+50	5.8072	5.81	Q				
27+55	5.7575	5.76	Q				
28+ 0	5.7081	5.71	Q				
28+ 5	5.6590	5.66	Q				
28+10	5.6102	5.61	Q				
28+15	5.5616	5.56	Q				
28+20	5.5133	5.51	Q				
28+25	5.4653	5.47	Q				
28+30	5.4175	5.42	Q				
28+35	5.3592	5.36	Q				
28+40	5.2993	5.30	Q				
28+45	5.2398	5.24	Q				
28+50	5.1808	5.18	Q				
28+55	5.1221	5.12	Q				
29+ 0	5.0639	5.06	Q				
29+ 5	5.0061	5.01	Q				
29+10	4.9487	4.95	Q				

29+15	4.8917	4.89	Q				
29+20	4.8352	4.84	Q				
29+25	4.7790	4.78	Q				
29+30	4.7232	4.72	Q				
29+35	4.6679	4.67	Q				
29+40	4.6129	4.61	Q				
29+45	4.5433	4.54	Q				
29+50	4.4659	4.47	Q				
29+55	4.3884	4.39	Q				
30+ 0	4.3118	4.31	Q				
30+ 5	4.2359	4.24	Q				
30+10	4.1609	4.16	Q				
30+15	4.0866	4.09	Q				
30+20	4.0131	4.01	Q				
30+25	3.9403	3.94	Q				
30+30	3.8683	3.87	Q				
30+35	3.7970	3.80	Q				
30+40	3.7265	3.73	Q				
30+45	3.6567	3.66	Q				
30+50	3.5876	3.59	Q				
30+55	3.5004	3.50	Q				
31+ 0	3.4118	3.41	Q				
31+ 5	3.3245	3.32	Q				
31+10	3.2383	3.24	Q				
31+15	3.1534	3.15	Q				
31+20	3.0695	3.07	Q				
31+25	2.9869	2.99	Q				
31+30	2.9053	2.91	Q				
31+35	2.8249	2.82	Q				
31+40	2.7455	2.75	Q				
31+45	2.6665	2.67	Q				
31+50	2.5556	2.56	Q				
31+55	2.4426	2.44	Q				
32+ 0	2.3319	2.33	Q				
32+ 5	2.2234	2.22	Q				
32+10	2.1172	2.12	Q				
32+15	2.0131	2.01	Q				
32+20	1.9111	1.91	Q				
32+25	1.8112	1.81	Q				
32+30	1.7134	1.71	Q				
32+35	1.6175	1.62	Q				
32+40	1.4992	1.50	Q				
32+45	1.3448	1.34	Q				
32+50	1.1911	1.19	Q				
32+55	1.0428	1.04	Q				
33+ 0	0.8998	0.90	Q				
33+ 5	0.7618	0.76	Q				
33+10	0.6287	0.63	Q				
33+15	0.5003	0.50	Q				
33+20	0.3765	0.38	Q				
33+25	0.2570	0.26	Q				
33+30	0.1418	0.14	Q				
33+35	0.0000	0.00	Q				
33+40	0.0000	0.00	Q				
33+45	0.0000	0.00	Q				
33+50	0.0000	0.00	Q				
33+55	0.0000	0.00	Q				
34+ 0	0.0000	0.00	Q				
34+ 5	0.0000	0.00	Q				
34+10	0.0000	0.00	Q				
34+15	0.0000	0.00	Q				
34+20	0.0000	0.00	Q				
34+25	0.0000	0.00	Q				
34+30	0.0000	0.00	Q				
34+35	0.0000	0.00	Q				
34+40	0.0000	0.00	Q				
34+45	0.0000	0.00	Q				
34+50	0.0000	0.00	Q				
34+55	0.0000	0.00	Q				
35+ 0	0.0000	0.00	Q				
35+ 5	0.0000	0.00	Q				
35+10	0.0000	0.00	Q				
35+15	0.0000	0.00	Q				
35+20	0.0000	0.00	Q				
35+25	0.0000	0.00	Q				
35+30	0.0000	0.00	Q				
35+35	0.0000	0.00	Q				
35+40	0.0000	0.00	Q				
35+45	0.0000	0.00	Q				
35+50	0.0000	0.00	Q				
35+55	0.0000	0.00	Q				
36+ 0	0.0000	0.00	Q				
36+ 5	0.0000	0.00	Q				
36+10	0.0000	0.00	Q				
36+15	0.0000	0.00	Q				
36+20	0.0000	0.00	Q				
36+25	0.0000	0.00	Q				
36+30	0.0000	0.00	Q				
36+35	0.0000	0.00	Q				
36+40	0.0000	0.00	Q				
36+45	0.0000	0.00	Q				
36+50	0.0000	0.00	Q				
36+55	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q				
37+10	0.0000	0.00	Q				
37+15	0.0000	0.00	Q				
37+20	0.0000	0.00	Q				
37+25	0.0000	0.00	Q				
37+30	0.0000	0.00	Q				
37+35	0.0000	0.00	Q				
37+40	0.0000	0.00	Q				
37+45	0.0000	0.00	Q				
37+50	0.0000	0.00	Q				
37+55	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q				
38+10	0.0000	0.00	Q				
38+15	0.0000	0.00	Q				
38+20	0.0000	0.00	Q				
38+25	0.0000	0.00	Q				
38+30	0.0000	0.00	Q				
38+35	0.0000	0.00	Q				
38+40	0.0000	0.00	Q				
38+45	0.0000	0.00	Q				
38+50	0.0000	0.00	Q				
38+55	0.0000	0.00	Q				
39+ 0	0.0000	0.00	Q				
39+ 5	0.0000	0.00	Q				
39+10	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

```
                Number of intervals =   470
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       81.962 (CFS)
                Total volume =      42.374 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      3.000     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)      6.076     0.000     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.200 to Point/Station        5.300
**** RETARDING BASIN ROUTING ****
_______________________________________________________________________________

User entry of depth-outflow-storage data
-------------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 470
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
-------------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.306      0.260      0.305        0.307
  2.000      0.699      1.100      0.695        0.703
  3.000      1.185      1.560      1.180        1.190
  4.000      1.787      1.920      1.780        1.794
  5.000      2.521      2.210      2.513        2.529
  6.000      3.390      2.470      3.381        3.399
  7.000      4.392      2.710      4.383        4.401
  8.000      5.528      2.920      5.518        5.538
  9.000      6.798     15.160      6.746        6.850
 10.000      8.202     23.140      8.122        8.282
 11.000      9.739     37.050      9.611        9.867
 12.000     11.410     46.510     11.250       11.570
 13.000     13.215    115.830     12.816       13.614
-------------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
-------------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
-------------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                        Depth
(Hours)  (CFS)    (CFS)     (Ac.Ft) .0      20.5   40.98   61.47   81.96 (Ft.)
 0.083    0.22    0.00      0.001  O       |       |       |       |     0.00
 0.167    0.48    0.00      0.003  O       |       |       |       |     0.01
 0.250    0.51    0.01      0.007  O       |       |       |       |     0.02
 0.333    0.63    0.01      0.010  O       |       |       |       |     0.03
 0.417    0.75    0.01      0.015  O       |       |       |       |     0.05
 0.500    0.77    0.02      0.020  O       |       |       |       |     0.07
 0.583    0.77    0.02      0.025  O       |       |       |       |     0.08
 0.667    0.77    0.03      0.031  O       |       |       |       |     0.10
 0.750    0.77    0.03      0.036  O       |       |       |       |     0.12
 0.833    0.88    0.03      0.041  O       |       |       |       |     0.13
 0.917    1.06    0.04      0.048  O       |       |       |       |     0.16
 1.000    1.23    0.05      0.055  O       |       |       |       |     0.18
 1.083    1.25    0.05      0.063  O       |       |       |       |     0.21
 1.167    1.25    0.06      0.071  O       |       |       |       |     0.23
 1.250    1.33    0.07      0.080  O       |       |       |       |     0.26
 1.333    1.41    0.08      0.089  O       |       |       |       |     0.29
 1.417    1.48    0.08      0.098  O       |       |       |       |     0.32
 1.500    1.55    0.09      0.108  O       |       |       |       |     0.35
 1.583    1.62    0.10      0.118  O       |       |       |       |     0.39
 1.667    1.68    0.11      0.129  O       |       |       |       |     0.42
 1.750    1.74    0.12      0.140  O       |       |       |       |     0.46
 1.833    1.91    0.13      0.152  O       |       |       |       |     0.50
 1.917    2.11    0.14      0.165  O       |       |       |       |     0.54
 2.000    2.22    0.15      0.179  O       |       |       |       |     0.58
 2.083    2.32    0.16      0.193  O       |       |       |       |     0.63
 2.167    2.43    0.18      0.208  O       |       |       |       |     0.68
 2.250    2.53    0.19      0.224  O       |       |       |       |     0.73
 2.333    2.61    0.20      0.240  OI      |       |       |       |     0.79
 2.417    2.67    0.22      0.257  OI      |       |       |       |     0.84
 2.500    2.72    0.23      0.274  OI      |       |       |       |     0.90
 2.583    2.89    0.25      0.292  OI      |       |       |       |     0.95
 2.667    3.08    0.27      0.311  OI      |       |       |       |     1.01
 2.750    3.18    0.31      0.330  OI      |       |       |       |     1.06
 2.833    3.26    0.35      0.350  OI      |       |       |       |     1.11
 2.917    3.35    0.40      0.370  OI      |       |       |       |     1.16
 3.000    3.43    0.44      0.391  OI      |       |       |       |     1.22
 3.083    3.51    0.49      0.411  OI      |       |       |       |     1.27
 3.167    3.60    0.53      0.432  OI      |       |       |       |     1.32
 3.250    3.68    0.58      0.454  OI      |       |       |       |     1.38
 3.333    3.76    0.62      0.475  OI      |       |       |       |     1.43
 3.417    3.83    0.67      0.497  OI      |       |       |       |     1.49
 3.500    3.91    0.71      0.519  OI      |       |       |       |     1.54
 3.583    3.97    0.76      0.541  OI      |       |       |       |     1.60
 3.667    4.02    0.81      0.563  OI      |       |       |       |     1.65
 3.750    4.07    0.86      0.585  OI      |       |       |       |     1.71
 3.833    4.23    0.90      0.608  OI      |       |       |       |     1.77
 3.917    4.41    0.95      0.631  OI      |       |       |       |     1.83
 4.000    4.49    1.01      0.655  OI      |       |       |       |     1.89
 4.083    4.56    1.06      0.679  OI      |       |       |       |     1.95
 4.167    4.63    1.10      0.703  OI      |       |       |       |     2.01
 4.250    4.69    1.13      0.727  OI      |       |       |       |     2.06
 4.333    4.87    1.15      0.753  OI      |       |       |       |     2.11
 4.417    5.07    1.18      0.779  OI      |       |       |       |     2.16
 4.500    5.17    1.20      0.806  O I     |       |       |       |     2.22
 4.583    5.26    1.23      0.833  O I     |       |       |       |     2.28
 4.667    5.35    1.25      0.861  O I     |       |       |       |     2.33
 4.750    5.43    1.28      0.890  O I     |       |       |       |     2.39
 4.833    5.61    1.31      0.919  O I     |       |       |       |     2.45
 4.917    5.81    1.34      0.949  O I     |       |       |       |     2.51
 5.000    5.90    1.37      0.980  O I     |       |       |       |     2.58
 5.083    5.77    1.40      1.011  O I     |       |       |       |     2.64
 5.167    5.59    1.42      1.040  O I     |       |       |       |     2.70
 5.250    5.62    1.45      1.069  O I     |       |       |       |     2.76
 5.333    5.78    1.48      1.098  O I     |       |       |       |     2.82
 5.417    5.96    1.51      1.128  O I     |       |       |       |     2.88
 5.500    6.03    1.54      1.159  O I     |       |       |       |     2.95
```

5.583	6.20	1.56	1.190	O I	|	|	|	|	3.01	10.667	19.29	2.82	4.972	|O I|	|	|	|	7.51
5.667	6.40	1.58	1.223	O I	|	|	|	|	3.06	10.750	19.64	2.84	5.086	|O I|	|	|	|	7.61
5.750	6.49	1.60	1.256	O I	|	|	|	|	3.12	10.833	19.87	2.86	5.203	|O I|	|	|	|	7.71
5.833	6.57	1.62	1.290	O I	|	|	|	|	3.17	10.917	20.06	2.88	5.320	|O I|	|	|	|	7.82
5.917	6.65	1.64	1.325	O I	|	|	|	|	3.23	11.000	20.26	2.90	5.439	|O I|	|	|	|	7.92
6.000	6.71	1.66	1.359	O I	|	|	|	|	3.29	11.083	20.29	3.21	5.558	|O I|	|	|	|	8.02
6.083	6.88	1.69	1.394	O I	|	|	|	|	3.35	11.167	20.30	4.31	5.672	|O I|	|	|	|	8.11
6.167	7.07	1.71	1.431	O I	|	|	|	|	3.41	11.250	20.46	5.34	5.779	| O I|	|	|	|	8.20
6.250	7.15	1.73	1.468	O I	|	|	|	|	3.47	11.333	20.64	6.32	5.880	| O I	|	|	|	8.28
6.333	7.22	1.75	1.505	O I	|	|	|	|	3.53	11.417	20.82	7.24	5.976	| O I	|	|	|	8.35
6.417	7.30	1.77	1.543	O I	|	|	|	|	3.60	11.500	20.99	8.12	6.067	| O I	|	|	|	8.42
6.500	7.37	1.80	1.581	O I	|	|	|	|	3.66	11.583	23.75	9.03	6.162	| O |I	|	|	|	8.50
6.583	7.55	1.82	1.620	O I	|	|	|	|	3.72	11.667	29.08	10.15	6.278	| O | I	|	|	|	8.59
6.667	7.76	1.84	1.660	O I	|	|	|	|	3.79	11.750	32.95	11.49	6.417	| O | I	|	|	|	8.70
6.750	7.85	1.87	1.701	O I	|	|	|	|	3.86	11.833	35.52	12.95	6.569	| O | I	|	|	|	8.82
6.833	7.94	1.89	1.743	O I	|	|	|	|	3.93	11.917	37.41	14.46	6.726	| O | I	|	|	|	8.94
6.917	8.01	1.92	1.785	O I	|	|	|	|	4.00	12.000	38.79	15.65	6.884	| O |I	|	|	|	9.06
7.000	8.08	1.94	1.827	O I	|	|	|	|	4.05	12.083	41.15	16.58	7.049	| O | I	|	|	|	9.18
7.083	8.15	1.95	1.869	O I	|	|	|	|	4.11	12.167	44.48	17.59	7.226	| O |I	|	|	|	9.30
7.167	8.22	1.97	1.912	O I	|	|	|	|	4.17	12.250	47.81	18.69	7.419	| O| I	|	|	|	9.44
7.250	8.29	1.99	1.955	O I	|	|	|	|	4.23	12.333	51.30	19.87	7.627	| O| I	|	|	|	9.59
7.333	8.47	2.00	1.999	O I	|	|	|	|	4.29	12.417	54.42	21.14	7.850	| O I	|	|	|	9.75
7.417	8.66	2.02	2.044	O I	|	|	|	|	4.35	12.500	56.98	22.47	8.083	| O I	|	|	|	9.92
7.500	8.75	2.04	2.090	O I	|	|	|	|	4.41	12.583	59.38	24.24	8.323	| |O I	|	|	|	10.08
7.583	8.95	2.06	2.137	O I	|	|	|	|	4.48	12.667	61.62	26.43	8.566	| | O I	|	|	|	10.24
7.667	9.17	2.08	2.185	O I	|	|	|	|	4.54	12.750	63.53	28.61	8.807	| | O I	|	|	|	10.39
7.750	9.27	2.10	2.235	O I	|	|	|	|	4.61	12.833	65.36	30.78	9.046	| | O I	|	|	|	10.55
7.833	9.52	2.12	2.285	O I	|	|	|	|	4.68	12.917	67.01	32.92	9.283	| | O I	|	|	|	10.70
7.917	9.78	2.14	2.337	O I	|	|	|	|	4.75	13.000	68.37	35.02	9.515	| | O I	|	|	|	10.85
8.000	9.89	2.16	2.390	O I	|	|	|	|	4.82	13.083	70.42	37.08	9.745	| | O I	|	|	|	11.00
8.083	10.30	2.18	2.444	O I	|	|	|	|	4.90	13.167	73.08	38.41	9.979	| | O I	|	|	|	11.14
8.167	10.75	2.20	2.501	O I	|	|	|	|	4.97	13.250	75.69	39.78	10.222	| | O|	|	|	|	11.29
8.250	10.90	2.22	2.561	O I	|	|	|	|	5.05	13.333	78.23	41.20	10.473	| | O	|	|	|	11.44
8.333	11.01	2.24	2.621	O I	|	|	|	|	5.11	13.417	80.33	42.66	10.730	| | O	|	|	|	11.59
8.417	11.11	2.26	2.682	O I	|	|	|	|	5.18	13.500	81.96	44.13	10.990	| | |O	|	|	|	11.75
8.500	11.21	2.28	2.743	O I	|	|	|	|	5.26	13.583	81.16	45.56	11.243	| | |O	|	|	|	11.90
8.583	11.46	2.30	2.805	O I	|	|	|	|	5.33	13.667	78.07	48.69	11.467	| | O	|	|	|	12.03
8.667	11.74	2.31	2.869	O I	|	|	|	|	5.40	13.750	74.38	55.12	11.634	| | O	|	|	|	12.12
8.750	11.86	2.33	2.934	O I	|	|	|	|	5.48	13.833	70.30	59.14	11.739	| | O| I	|	|	|	12.18
8.833	12.12	2.35	3.001	O I	|	|	|	|	5.55	13.917	66.76	61.34	11.796	| | O| I	|	|	|	12.21
8.917	12.41	2.37	3.069	O I	|	|	|	|	5.63	14.000	63.93	62.27	11.820	| | O	|	|	|	12.23
9.000	12.53	2.39	3.138	O I	|	|	|	|	5.71	14.083	62.54	62.50	11.826	| | O	|	|	|	12.23
9.083	12.94	2.42	3.210	O I	|	|	|	|	5.79	14.167	62.44	62.50	11.826	| | O	|	|	|	12.23
9.167	13.40	2.44	3.284	O I	|	|	|	|	5.88	14.250	62.90	62.54	11.827	| | O	|	|	|	12.23
9.250	13.55	2.46	3.360	O I	|	|	|	|	5.96	14.333	63.57	62.70	11.832	| | O	|	|	|	12.23
9.333	13.82	2.48	3.437	O I	|	|	|	|	6.05	14.417	64.06	62.96	11.838	| | OI	|	|	|	12.24
9.417	14.11	2.50	3.516	O I	|	|	|	|	6.13	14.500	64.40	63.26	11.846	| | OI	|	|	|	12.24
9.500	14.34	2.52	3.597	O I	|	|	|	|	6.21	14.583	64.56	63.54	11.854	| | OI	|	|	|	12.25
9.583	15.02	2.54	3.680	O I	|	|	|	|	6.29	14.667	64.64	63.79	11.860	| | OI	|	|	|	12.25
9.667	15.75	2.56	3.769	O I	|	|	|	|	6.38	14.750	64.68	63.99	11.865	| | OI	|	|	|	12.25
9.750	16.32	2.58	3.861	|O I	|	|	|	|	6.47	14.833	64.52	64.13	11.869	| | |O	|	|	|	12.25
9.833	17.04	2.61	3.958	|O I	|	|	|	|	6.57	14.917	64.18	64.18	11.870	| | |O	|	|	|	12.25
9.917	17.78	2.63	4.060	|O I	|	|	|	|	6.67	15.000	63.80	64.14	11.869	| | IO	|	|	|	12.25
10.000	18.33	2.66	4.166	|O I|	|	|	|	|	6.77	15.083	63.21	63.99	11.865	| | O	|	|	|	12.25
10.083	17.56	2.68	4.272	|O I	|	|	|	|	6.88	15.167	62.51	63.73	11.858	| | O	|	|	|	12.25
10.167	16.58	2.70	4.371	|O I	|	|	|	|	6.98	15.250	61.85	63.36	11.849	| | O	|	|	|	12.24
10.250	16.66	2.72	4.466	|O I	|	|	|	|	7.07	15.333	61.06	62.92	11.837	| | IO	|	|	|	12.24
10.333	16.84	2.74	4.563	|O I	|	|	|	|	7.15	15.417	60.21	62.38	11.823	| | IO	|	|	|	12.23
10.417	17.03	2.76	4.660	|O I	|	|	|	|	7.24	15.500	59.44	61.79	11.808	| | IO	|	|	|	12.22
10.500	17.20	2.78	4.759	|O I	|	|	|	|	7.32	15.583	58.02	61.07	11.789	| | IO|	|	|	|	12.21
10.583	18.18	2.80	4.862	|O I|	|	|	|	|	7.41	15.667	56.03	60.12	11.765	| | I O|	|	|	|	12.20

15.750	54.04	58.94	11.734	|	|	| I O|	|	12.18	20.833	11.55	16.24	6.988	| I O |	|	|	|	9.14
15.833	52.09	57.56	11.698	|	|	| I O |	|	12.16	20.917	11.28	16.06	6.955	| I O |	|	|	|	9.11
15.917	50.47	56.10	11.660	|	|	| I O |	|	12.14	21.000	11.11	15.87	6.923	| I O |	|	|	|	9.09
16.000	49.21	54.64	11.622	|	|	| I O |	|	12.12	21.083	11.07	15.69	6.890	| I O |	|	|	|	9.07
16.083	45.67	52.96	11.578	|	|	|I O |	|	12.09	21.167	11.05	15.51	6.859	| I O |	|	|	|	9.04
16.167	39.75	50.56	11.516	|	|	I| O |	|	12.06	21.250	10.93	15.33	6.829	| IO |	|	|	|	9.02
16.250	33.40	47.29	11.430	|	| I | O |	|	12.01	21.333	10.69	15.16	6.798	| IO |	|	|	|	9.00
16.333	26.87	45.98	11.317	|	| I |	|O |	|	11.94	21.417	10.43	14.86	6.767	| IO |	|	|	|	8.98
16.417	21.36	45.15	11.169	|	| I |	|O |	|	11.86	21.500	10.28	14.57	6.737	| IO |	|	|	|	8.95
16.500	17.02	44.15	10.994	|	| I |	|O |	|	11.75	21.583	10.25	14.30	6.709	| IO |	|	|	|	8.93
16.583	16.06	43.10	10.807	|	| I |	| O |	|	11.64	21.667	10.24	14.04	6.681	| I O |	|	|	|	8.91
16.667	15.82	42.06	10.624	|	| I |	| O |	|	11.53	21.750	10.13	13.79	6.656	| I O |	|	|	|	8.89
16.750	15.73	41.05	10.446	|	| I |	| O |	|	11.42	21.833	9.91	13.55	6.631	| I O |	|	|	|	8.87
16.833	15.64	40.08	10.275	|	| I |	| O|	|	11.32	21.917	9.66	13.31	6.606	| I O |	|	|	|	8.85
16.917	15.56	39.15	10.109	|	| I |	| O|	|	11.22	22.000	9.52	13.07	6.581	| I O |	|	|	|	8.83
17.000	15.47	38.24	9.950	|	| I |	| O |	|	11.13	22.083	9.50	12.84	6.557	| I O |	|	|	|	8.81
17.083	15.61	37.37	9.796	|	| I |	| O |	|	11.03	22.167	9.51	12.62	6.535	| IO |	|	|	|	8.79
17.167	15.79	36.25	9.651	|	| I |	| O |	|	10.94	22.250	9.41	12.42	6.514	| IO |	|	|	|	8.78
17.250	15.76	35.02	9.514	|	| I |	| O |	|	10.85	22.333	9.20	12.22	6.493	| IO |	|	|	|	8.76
17.333	15.71	33.85	9.385	|	| I |	| O |	|	10.77	22.417	8.97	12.02	6.472	| IO |	|	|	|	8.74
17.417	15.65	32.75	9.264	|	| I |	| O |	|	10.69	22.500	8.84	11.82	6.451	| IO |	|	|	|	8.73
17.500	15.60	31.72	9.150	|	| I |	| O |	|	10.62	22.583	8.72	11.62	6.431	| IO |	|	|	|	8.71
17.583	15.55	30.74	9.042	|	| I |	| O |	|	10.55	22.667	8.60	11.43	6.411	| IO |	|	|	|	8.70
17.667	15.50	29.82	8.940	|	| I |	| O |	|	10.48	22.750	8.55	11.25	6.392	| IO |	|	|	|	8.68
17.750	15.45	28.95	8.844	|	| I |	| O |	|	10.42	22.833	8.52	11.08	6.374	| IO |	|	|	|	8.67
17.833	15.29	28.13	8.754	|	| I |	| O |	|	10.36	22.917	8.50	10.91	6.357	| IO |	|	|	|	8.65
17.917	15.11	27.35	8.667	|	| I |	| O |	|	10.30	23.000	8.48	10.76	6.341	| IO |	|	|	|	8.64
18.000	15.04	26.61	8.585	|	| I |	| O |	|	10.25	23.083	8.45	10.61	6.326	| IO |	|	|	|	8.63
18.083	14.98	25.91	8.508	|	| I |	| O |	|	10.20	23.167	8.43	10.47	6.311	| IO |	|	|	|	8.62
18.167	14.91	25.25	8.435	|	| I |	|O |	|	10.15	23.250	8.41	10.34	6.298	| IO |	|	|	|	8.61
18.250	14.85	24.62	8.365	|	| I |	|O |	|	10.11	23.333	8.38	10.21	6.285	| O |	|	|	|	8.60
18.333	14.79	24.03	8.300	|	| I |	|O |	|	10.06	23.417	8.36	10.09	6.272	| O |	|	|	|	8.59
18.417	14.73	23.47	8.238	|	| I |	|O |	|	10.02	23.500	8.34	9.98	6.261	| O |	|	|	|	8.58
18.500	14.67	23.01	8.179	|	| I | O |	|	9.98	23.583	8.31	9.88	6.250	| O |	|	|	|	8.57
18.583	14.49	22.69	8.122	|	| I | O |	|	9.94	23.667	8.29	9.77	6.239	| O |	|	|	|	8.56
18.667	14.30	22.37	8.066	|	| I | O |	|	9.90	23.750	8.27	9.68	6.229	| O |	|	|	|	8.55
18.750	14.20	22.06	8.012	|	| I | O |	|	9.86	23.833	8.24	9.59	6.220	| O |	|	|	|	8.54
18.833	13.99	21.75	7.958	|	| I | O |	|	9.83	23.917	8.22	9.50	6.211	| O |	|	|	|	8.54
18.917	13.75	21.45	7.904	|	| I | O |	|	9.79	24.000	8.20	9.42	6.202	| O |	|	|	|	8.53
19.000	13.63	21.15	7.852	|	| I | O |	|	9.75	24.083	7.95	9.33	6.193	| O |	|	|	|	8.52
19.083	13.62	20.86	7.801	|	| I | O |	|	9.71	24.167	7.67	9.23	6.183	| IO |	|	|	|	8.52
19.167	13.63	20.58	7.752	|	| I | O |	|	9.68	24.250	7.61	9.13	6.172	| IO |	|	|	|	8.51
19.250	13.54	20.32	7.705	|	| I O|	|	9.65	24.333	7.58	9.03	6.162	| IO |	|	|	|	8.50
19.333	13.56	20.06	7.659	|	| I O|	|	9.61	24.417	7.54	8.94	6.152	| IO |	|	|	|	8.49
19.417	13.59	19.81	7.616	|	| I O|	|	9.58	24.500	7.51	8.85	6.143	| IO |	|	|	|	8.48
19.500	13.53	19.57	7.573	|	| I O|	|	9.55	24.583	7.47	8.76	6.134	| IO |	|	|	|	8.48
19.583	13.34	19.33	7.532	|	| I O|	|	9.52	24.667	7.44	8.68	6.125	| IO |	|	|	|	8.47
19.667	13.13	19.10	7.491	|	| I O|	|	9.49	24.750	7.40	8.60	6.117	| IO |	|	|	|	8.46
19.750	13.03	18.87	7.450	|	| I O|	|	9.46	24.833	7.36	8.52	6.109	| IO |	|	|	|	8.46
19.833	12.83	18.64	7.410	|	| I O|	|	9.44	24.917	7.32	8.44	6.101	| IO |	|	|	|	8.45
19.917	12.61	18.41	7.370	|	| I O|	|	9.41	25.000	7.28	8.37	6.093	| IO |	|	|	|	8.45
20.000	12.49	18.19	7.330	|	| I O|	|	9.38	25.083	7.24	8.30	6.086	| IO |	|	|	|	8.44
20.083	12.49	17.97	7.292	|	| I O|	|	9.35	25.167	7.20	8.23	6.079	| IO |	|	|	|	8.43
20.167	12.52	17.76	7.255	|	| I O |	|	9.33	25.250	7.16	8.16	6.072	| IO |	|	|	|	8.43
20.250	12.44	17.56	7.219	|	| I O |	|	9.30	25.333	7.12	8.09	6.065	| IO |	|	|	|	8.42
20.333	12.36	17.36	7.185	|	| I O |	|	9.28	25.417	7.08	8.03	6.058	| IO |	|	|	|	8.42
20.417	12.27	17.16	7.151	|	| I O |	|	9.25	25.500	7.04	7.97	6.052	| IO |	|	|	|	8.41
20.500	12.18	16.97	7.117	|	| I O |	|	9.23	25.583	7.00	7.91	6.045	| IO |	|	|	|	8.41
20.583	12.07	16.79	7.084	|	| I O |	|	9.20	25.667	6.96	7.85	6.039	| IO |	|	|	|	8.40
20.667	11.94	16.60	7.052	|	| I O |	|	9.18	25.750	6.92	7.79	6.033	| IO |	|	|	|	8.40
20.750	11.80	16.42	7.020	|	| I O |	|	9.16	25.833	6.88	7.73	6.027	| IO |	|	|	|	8.39

25.917	6.85	7.68	6.021	| O	|	|	|	|	8.39	31.000	3.41	4.44	5.685	|O	|	|	|	|	8.12
26.000	6.81	7.62	6.016	| O	|	|	|	|	8.38	31.083	3.32	4.37	5.678	|O	|	|	|	|	8.12
26.083	6.76	7.57	6.010	| O	|	|	|	|	8.38	31.167	3.24	4.30	5.671	|O	|	|	|	|	8.11
26.167	6.72	7.51	6.005	| O	|	|	|	|	8.38	31.250	3.15	4.23	5.664	|O	|	|	|	|	8.11
26.250	6.67	7.46	5.999	| O	|	|	|	|	8.37	31.333	3.07	4.16	5.656	|O	|	|	|	|	8.10
26.333	6.63	7.41	5.994	| O	|	|	|	|	8.37	31.417	2.99	4.08	5.649	|O	|	|	|	|	8.10
26.417	6.59	7.36	5.988	| O	|	|	|	|	8.36	31.500	2.91	4.01	5.641	|O	|	|	|	|	8.09
26.500	6.54	7.31	5.983	| O	|	|	|	|	8.36	31.583	2.82	3.94	5.633	|O	|	|	|	|	8.08
26.583	6.50	7.26	5.978	| O	|	|	|	|	8.35	31.667	2.75	3.86	5.626	|O	|	|	|	|	8.08
26.667	6.46	7.21	5.973	| O	|	|	|	|	8.35	31.750	2.67	3.79	5.618	|O	|	|	|	|	8.07
26.750	6.41	7.16	5.968	| O	|	|	|	|	8.35	31.833	2.56	3.71	5.610	IO	|	|	|	|	8.06
26.833	6.37	7.11	5.963	| O	|	|	|	|	8.34	31.917	2.44	3.63	5.602	IO	|	|	|	|	8.06
26.917	6.33	7.06	5.957	| O	|	|	|	|	8.34	32.000	2.33	3.55	5.594	IO	|	|	|	|	8.05
27.000	6.29	7.01	5.952	| O	|	|	|	|	8.33	32.083	2.22	3.47	5.585	IO	|	|	|	|	8.05
27.083	6.24	6.96	5.947	| O	|	|	|	|	8.33	32.167	2.12	3.39	5.577	IO	|	|	|	|	8.04
27.167	6.20	6.92	5.943	| O	|	|	|	|	8.33	32.250	2.01	3.30	5.568	IO	|	|	|	|	8.03
27.250	6.16	6.87	5.938	| O	|	|	|	|	8.32	32.333	1.91	3.22	5.559	IO	|	|	|	|	8.02
27.333	6.11	6.82	5.933	| O	|	|	|	|	8.32	32.417	1.81	3.13	5.550	IO	|	|	|	|	8.02
27.417	6.06	6.77	5.928	| O	|	|	|	|	8.31	32.500	1.71	3.04	5.541	IO	|	|	|	|	8.01
27.500	6.01	6.73	5.923	| O	|	|	|	|	8.31	32.583	1.62	2.95	5.532	IO	|	|	|	|	8.00
27.583	5.96	6.68	5.918	| O	|	|	|	|	8.31	32.667	1.50	2.92	5.522	IO	|	|	|	|	7.99
27.667	5.91	6.63	5.913	| O	|	|	|	|	8.30	32.750	1.34	2.92	5.512	IO	|	|	|	|	7.99
27.750	5.86	6.58	5.908	| O	|	|	|	|	8.30	32.833	1.19	2.91	5.500	IO	|	|	|	|	7.98
27.833	5.81	6.53	5.903	| O	|	|	|	|	8.30	32.917	1.04	2.91	5.488	IO	|	|	|	|	7.96
27.917	5.76	6.49	5.898	| O	|	|	|	|	8.29	33.000	0.90	2.91	5.475	IO	|	|	|	|	7.95
28.000	5.71	6.44	5.893	| O	|	|	|	|	8.29	33.083	0.76	2.91	5.460	IO	|	|	|	|	7.94
28.083	5.66	6.39	5.888	| O	|	|	|	|	8.28	33.167	0.63	2.90	5.445	IO	|	|	|	|	7.93
28.167	5.61	6.34	5.883	| O	|	|	|	|	8.28	33.250	0.50	2.90	5.429	IO	|	|	|	|	7.91
28.250	5.56	6.29	5.878	| O	|	|	|	|	8.28	33.333	0.38	2.90	5.412	IO	|	|	|	|	7.90
28.333	5.51	6.24	5.873	| O	|	|	|	|	8.27	33.417	0.26	2.90	5.394	IO	|	|	|	|	7.88
28.417	5.47	6.20	5.868	| O	|	|	|	|	8.27	33.500	0.14	2.89	5.376	IO	|	|	|	|	7.87
28.500	5.42	6.15	5.863	| O	|	|	|	|	8.26	33.583	0.00	2.89	5.356	IO	|	|	|	|	7.85
28.583	5.36	6.10	5.858	| O	|	|	|	|	8.26	33.667	0.00	2.88	5.336	IO	|	|	|	|	7.83
28.667	5.30	6.05	5.853	| O	|	|	|	|	8.26	33.750	0.00	2.88	5.317	IO	|	|	|	|	7.81
28.750	5.24	6.00	5.847	| O	|	|	|	|	8.25	33.833	0.00	2.88	5.297	IO	|	|	|	|	7.80
28.833	5.18	5.95	5.842	| O	|	|	|	|	8.25	33.917	0.00	2.87	5.277	IO	|	|	|	|	7.78
28.917	5.12	5.90	5.837	|IO	|	|	|	|	8.24	34.000	0.00	2.87	5.257	IO	|	|	|	|	7.76
29.000	5.06	5.85	5.832	|IO	|	|	|	|	8.24	34.083	0.00	2.87	5.237	IO	|	|	|	|	7.74
29.083	5.01	5.79	5.826	|IO	|	|	|	|	8.23	34.167	0.00	2.86	5.218	IO	|	|	|	|	7.73
29.167	4.95	5.74	5.821	|IO	|	|	|	|	8.23	34.250	0.00	2.86	5.198	IO	|	|	|	|	7.71
29.250	4.89	5.69	5.815	|IO	|	|	|	|	8.23	34.333	0.00	2.86	5.178	IO	|	|	|	|	7.69
29.333	4.84	5.64	5.810	|IO	|	|	|	|	8.22	34.417	0.00	2.85	5.159	IO	|	|	|	|	7.67
29.417	4.78	5.58	5.804	|IO	|	|	|	|	8.22	34.500	0.00	2.85	5.139	IO	|	|	|	|	7.66
29.500	4.72	5.53	5.799	|IO	|	|	|	|	8.21	34.583	0.00	2.84	5.119	IO	|	|	|	|	7.64
29.583	4.67	5.47	5.793	|IO	|	|	|	|	8.21	34.667	0.00	2.84	5.100	IO	|	|	|	|	7.62
29.667	4.61	5.42	5.788	|IO	|	|	|	|	8.20	34.750	0.00	2.84	5.080	IO	|	|	|	|	7.61
29.750	4.54	5.37	5.782	|IO	|	|	|	|	8.20	34.833	0.00	2.83	5.061	IO	|	|	|	|	7.59
29.833	4.47	5.31	5.776	|IO	|	|	|	|	8.20	34.917	0.00	2.83	5.041	IO	|	|	|	|	7.57
29.917	4.39	5.25	5.770	|IO	|	|	|	|	8.19	35.000	0.00	2.83	5.022	IO	|	|	|	|	7.55
30.000	4.31	5.20	5.764	|IO	|	|	|	|	8.19	35.083	0.00	2.82	5.002	IO	|	|	|	|	7.54
30.083	4.24	5.14	5.758	|IO	|	|	|	|	8.18	35.167	0.00	2.82	4.983	IO	|	|	|	|	7.52
30.167	4.16	5.08	5.752	|O	|	|	|	|	8.18	35.250	0.00	2.82	4.964	IO	|	|	|	|	7.50
30.250	4.09	5.02	5.745	|O	|	|	|	|	8.17	35.333	0.00	2.81	4.944	IO	|	|	|	|	7.49
30.333	4.01	4.95	5.739	|O	|	|	|	|	8.17	35.417	0.00	2.81	4.925	IO	|	|	|	|	7.47
30.417	3.94	4.89	5.733	|O	|	|	|	|	8.16	35.500	0.00	2.80	4.905	IO	|	|	|	|	7.45
30.500	3.87	4.83	5.726	|O	|	|	|	|	8.16	35.583	0.00	2.80	4.886	IO	|	|	|	|	7.43
30.583	3.80	4.76	5.719	|O	|	|	|	|	8.15	35.667	0.00	2.80	4.867	IO	|	|	|	|	7.42
30.667	3.73	4.70	5.713	|O	|	|	|	|	8.15	35.750	0.00	2.79	4.848	IO	|	|	|	|	7.40
30.750	3.66	4.63	5.706	|O	|	|	|	|	8.14	35.833	0.00	2.79	4.828	IO	|	|	|	|	7.38
30.833	3.59	4.57	5.699	|O	|	|	|	|	8.13	35.917	0.00	2.79	4.809	IO	|	|	|	|	7.37
30.917	3.50	4.50	5.692	|O	|	|	|	|	8.13	36.000	0.00	2.78	4.790	IO	|	|	|	|	7.35

36.083	0.00	2.78	4.771	IO	|	|	|	|	7.33	41.167	0.00	2.53	3.653	O	|	|	|	|	6.26
36.167	0.00	2.78	4.752	IO	|	|	|	|	7.32	41.250	0.00	2.53	3.635	O	|	|	|	|	6.24
36.250	0.00	2.77	4.733	IO	|	|	|	|	7.30	41.333	0.00	2.52	3.618	O	|	|	|	|	6.23
36.333	0.00	2.77	4.713	IO	|	|	|	|	7.28	41.417	0.00	2.52	3.601	O	|	|	|	|	6.21
36.417	0.00	2.77	4.694	IO	|	|	|	|	7.27	41.500	0.00	2.52	3.583	O	|	|	|	|	6.19
36.500	0.00	2.76	4.675	IO	|	|	|	|	7.25	41.583	0.00	2.51	3.566	O	|	|	|	|	6.18
36.583	0.00	2.76	4.656	IO	|	|	|	|	7.23	41.667	0.00	2.51	3.549	O	|	|	|	|	6.16
36.667	0.00	2.76	4.637	IO	|	|	|	|	7.22	41.750	0.00	2.50	3.531	O	|	|	|	|	6.14
36.750	0.00	2.75	4.618	IO	|	|	|	|	7.20	41.833	0.00	2.50	3.514	O	|	|	|	|	6.12
36.833	0.00	2.75	4.599	IO	|	|	|	|	7.18	41.917	0.00	2.50	3.497	O	|	|	|	|	6.11
36.917	0.00	2.74	4.581	IO	|	|	|	|	7.17	42.000	0.00	2.49	3.480	O	|	|	|	|	6.09
37.000	0.00	2.74	4.562	IO	|	|	|	|	7.15	42.083	0.00	2.49	3.463	O	|	|	|	|	6.07
37.083	0.00	2.74	4.543	IO	|	|	|	|	7.13	42.167	0.00	2.48	3.445	O	|	|	|	|	6.06
37.167	0.00	2.73	4.524	IO	|	|	|	|	7.12	42.250	0.00	2.48	3.428	O	|	|	|	|	6.04
37.250	0.00	2.73	4.505	IO	|	|	|	|	7.10	42.333	0.00	2.48	3.411	O	|	|	|	|	6.02
37.333	0.00	2.73	4.486	IO	|	|	|	|	7.08	42.417	0.00	2.47	3.394	O	|	|	|	|	6.00
37.417	0.00	2.72	4.468	IO	|	|	|	|	7.07	42.500	0.00	2.47	3.377	O	|	|	|	|	5.99
37.500	0.00	2.72	4.449	IO	|	|	|	|	7.05	42.583	0.00	2.46	3.360	O	|	|	|	|	5.97
37.583	0.00	2.72	4.430	IO	|	|	|	|	7.03	42.667	0.00	2.46	3.343	O	|	|	|	|	5.95
37.667	0.00	2.71	4.411	IO	|	|	|	|	7.02	42.750	0.00	2.45	3.327	O	|	|	|	|	5.93
37.750	0.00	2.71	4.393	IO	|	|	|	|	7.00	42.833	0.00	2.45	3.310	O	|	|	|	|	5.91
37.833	0.00	2.71	4.374	IO	|	|	|	|	6.98	42.917	0.00	2.44	3.293	O	|	|	|	|	5.89
37.917	0.00	2.70	4.355	IO	|	|	|	|	6.96	43.000	0.00	2.44	3.276	O	|	|	|	|	5.87
38.000	0.00	2.70	4.337	IO	|	|	|	|	6.94	43.083	0.00	2.43	3.259	O	|	|	|	|	5.85
38.083	0.00	2.69	4.318	IO	|	|	|	|	6.93	43.167	0.00	2.43	3.243	O	|	|	|	|	5.83
38.167	0.00	2.69	4.300	IO	|	|	|	|	6.91	43.250	0.00	2.42	3.226	O	|	|	|	|	5.81
38.250	0.00	2.68	4.281	IO	|	|	|	|	6.89	43.333	0.00	2.42	3.209	O	|	|	|	|	5.79
38.333	0.00	2.68	4.263	IO	|	|	|	|	6.87	43.417	0.00	2.41	3.193	O	|	|	|	|	5.77
38.417	0.00	2.67	4.244	IO	|	|	|	|	6.85	43.500	0.00	2.41	3.176	O	|	|	|	|	5.75
38.500	0.00	2.67	4.226	IO	|	|	|	|	6.83	43.583	0.00	2.40	3.159	O	|	|	|	|	5.73
38.583	0.00	2.67	4.208	IO	|	|	|	|	6.82	43.667	0.00	2.40	3.143	O	|	|	|	|	5.72
38.667	0.00	2.66	4.189	IO	|	|	|	|	6.80	43.750	0.00	2.39	3.126	O	|	|	|	|	5.70
38.750	0.00	2.66	4.171	IO	|	|	|	|	6.78	43.833	0.00	2.39	3.110	O	|	|	|	|	5.68
38.833	0.00	2.65	4.153	IO	|	|	|	|	6.76	43.917	0.00	2.38	3.094	O	|	|	|	|	5.66
38.917	0.00	2.65	4.134	IO	|	|	|	|	6.74	44.000	0.00	2.38	3.077	O	|	|	|	|	5.64
39.000	0.00	2.64	4.116	IO	|	|	|	|	6.72	44.083	0.00	2.37	3.061	O	|	|	|	|	5.62
39.083	0.00	2.64	4.098	IO	|	|	|	|	6.71	44.167	0.00	2.37	3.045	O	|	|	|	|	5.60
39.167	0.00	2.64	4.080	IO	|	|	|	|	6.69	44.250	0.00	2.36	3.028	O	|	|	|	|	5.58
39.250	0.00	2.63	4.062	IO	|	|	|	|	6.67	44.333	0.00	2.36	3.012	O	|	|	|	|	5.57
39.333	0.00	2.63	4.044	IO	|	|	|	|	6.65	44.417	0.00	2.35	2.996	O	|	|	|	|	5.55
39.417	0.00	2.62	4.026	IO	|	|	|	|	6.63	44.500	0.00	2.35	2.980	O	|	|	|	|	5.53
39.500	0.00	2.62	4.007	IO	|	|	|	|	6.62	44.583	0.00	2.34	2.963	O	|	|	|	|	5.51
39.583	0.00	2.61	3.989	IO	|	|	|	|	6.60	44.667	0.00	2.34	2.947	O	|	|	|	|	5.49
39.667	0.00	2.61	3.971	IO	|	|	|	|	6.58	44.750	0.00	2.33	2.931	O	|	|	|	|	5.47
39.750	0.00	2.60	3.954	IO	|	|	|	|	6.56	44.833	0.00	2.33	2.915	O	|	|	|	|	5.45
39.833	0.00	2.60	3.936	IO	|	|	|	|	6.54	44.917	0.00	2.32	2.899	O	|	|	|	|	5.44
39.917	0.00	2.60	3.918	IO	|	|	|	|	6.53	45.000	0.00	2.32	2.883	O	|	|	|	|	5.42
40.000	0.00	2.59	3.900	IO	|	|	|	|	6.51	45.083	0.00	2.31	2.867	O	|	|	|	|	5.40
40.083	0.00	2.59	3.882	IO	|	|	|	|	6.49	45.167	0.00	2.31	2.851	O	|	|	|	|	5.38
40.167	0.00	2.58	3.864	IO	|	|	|	|	6.47	45.250	0.00	2.30	2.835	O	|	|	|	|	5.36
40.250	0.00	2.58	3.846	IO	|	|	|	|	6.46	45.333	0.00	2.30	2.820	O	|	|	|	|	5.34
40.333	0.00	2.58	3.829	IO	|	|	|	|	6.44	45.417	0.00	2.29	2.804	O	|	|	|	|	5.33
40.417	0.00	2.57	3.811	IO	|	|	|	|	6.42	45.500	0.00	2.29	2.788	O	|	|	|	|	5.31
40.500	0.00	2.57	3.793	IO	|	|	|	|	6.40	45.583	0.00	2.29	2.772	O	|	|	|	|	5.29
40.583	0.00	2.56	3.776	IO	|	|	|	|	6.38	45.667	0.00	2.28	2.757	O	|	|	|	|	5.27
40.667	0.00	2.56	3.758	O	|	|	|	|	6.37	45.750	0.00	2.28	2.741	O	|	|	|	|	5.25
40.750	0.00	2.55	3.740	O	|	|	|	|	6.35	45.833	0.00	2.27	2.725	O	|	|	|	|	5.23
40.833	0.00	2.55	3.723	O	|	|	|	|	6.33	45.917	0.00	2.27	2.710	O	|	|	|	|	5.22
40.917	0.00	2.55	3.705	O	|	|	|	|	6.31	46.000	0.00	2.26	2.694	O	|	|	|	|	5.20
41.000	0.00	2.54	3.688	O	|	|	|	|	6.30	46.083	0.00	2.26	2.678	O	|	|	|	|	5.18
41.083	0.00	2.54	3.670	O	|	|	|	|	6.28	46.167	0.00	2.25	2.663	O	|	|	|	|	5.16

46.250	0.00	2.25	2.647	O	|	|	|	|	5.15	51.333	0.00	1.91	1.773	O	|	|	|	|	3.98
46.333	0.00	2.24	2.632	O	|	|	|	|	5.13	51.417	0.00	1.90	1.760	O	|	|	|	|	3.95
46.417	0.00	2.24	2.616	O	|	|	|	|	5.11	51.500	0.00	1.90	1.747	O	|	|	|	|	3.93
46.500	0.00	2.23	2.601	O	|	|	|	|	5.09	51.583	0.00	1.89	1.734	O	|	|	|	|	3.91
46.583	0.00	2.23	2.586	O	|	|	|	|	5.07	51.667	0.00	1.88	1.721	O	|	|	|	|	3.89
46.667	0.00	2.22	2.570	O	|	|	|	|	5.06	51.750	0.00	1.87	1.708	O	|	|	|	|	3.87
46.750	0.00	2.22	2.555	O	|	|	|	|	5.04	51.833	0.00	1.86	1.695	O	|	|	|	|	3.85
46.833	0.00	2.22	2.540	O	|	|	|	|	5.02	51.917	0.00	1.86	1.682	O	|	|	|	|	3.83
46.917	0.00	2.21	2.525	O	|	|	|	|	5.00	52.000	0.00	1.85	1.669	O	|	|	|	|	3.80
47.000	0.00	2.21	2.509	O	|	|	|	|	4.98	52.083	0.00	1.84	1.657	O	|	|	|	|	3.78
47.083	0.00	2.20	2.494	O	|	|	|	|	4.96	52.167	0.00	1.83	1.644	O	|	|	|	|	3.76
47.167	0.00	2.19	2.479	O	|	|	|	|	4.94	52.250	0.00	1.83	1.631	O	|	|	|	|	3.74
47.250	0.00	2.19	2.464	O	|	|	|	|	4.92	52.333	0.00	1.82	1.619	O	|	|	|	|	3.72
47.333	0.00	2.18	2.449	O	|	|	|	|	4.90	52.417	0.00	1.81	1.606	O	|	|	|	|	3.70
47.417	0.00	2.18	2.434	O	|	|	|	|	4.88	52.500	0.00	1.80	1.594	O	|	|	|	|	3.68
47.500	0.00	2.17	2.419	O	|	|	|	|	4.86	52.583	0.00	1.80	1.581	O	|	|	|	|	3.66
47.583	0.00	2.16	2.404	O	|	|	|	|	4.84	52.667	0.00	1.79	1.569	O	|	|	|	|	3.64
47.667	0.00	2.16	2.389	O	|	|	|	|	4.82	52.750	0.00	1.78	1.557	O	|	|	|	|	3.62
47.750	0.00	2.15	2.374	O	|	|	|	|	4.80	52.833	0.00	1.77	1.544	O	|	|	|	|	3.60
47.833	0.00	2.15	2.359	O	|	|	|	|	4.78	52.917	0.00	1.77	1.532	O	|	|	|	|	3.58
47.917	0.00	2.14	2.345	O	|	|	|	|	4.76	53.000	0.00	1.76	1.520	O	|	|	|	|	3.56
48.000	0.00	2.13	2.330	O	|	|	|	|	4.74	53.083	0.00	1.75	1.508	O	|	|	|	|	3.54
48.083	0.00	2.13	2.315	O	|	|	|	|	4.72	53.167	0.00	1.75	1.496	O	|	|	|	|	3.52
48.167	0.00	2.12	2.301	O	|	|	|	|	4.70	53.250	0.00	1.74	1.484	O	|	|	|	|	3.50
48.250	0.00	2.12	2.286	O	|	|	|	|	4.68	53.333	0.00	1.73	1.472	O	|	|	|	|	3.48
48.333	0.00	2.11	2.272	O	|	|	|	|	4.66	53.417	0.00	1.72	1.460	O	|	|	|	|	3.46
48.417	0.00	2.11	2.257	O	|	|	|	|	4.64	53.500	0.00	1.72	1.448	O	|	|	|	|	3.44
48.500	0.00	2.10	2.243	O	|	|	|	|	4.62	53.583	0.00	1.71	1.436	O	|	|	|	|	3.42
48.583	0.00	2.09	2.228	O	|	|	|	|	4.60	53.667	0.00	1.70	1.425	O	|	|	|	|	3.40
48.667	0.00	2.09	2.214	O	|	|	|	|	4.58	53.750	0.00	1.70	1.413	O	|	|	|	|	3.38
48.750	0.00	2.08	2.199	O	|	|	|	|	4.56	53.833	0.00	1.69	1.401	O	|	|	|	|	3.36
48.833	0.00	2.08	2.185	O	|	|	|	|	4.54	53.917	0.00	1.68	1.390	O	|	|	|	|	3.34
48.917	0.00	2.07	2.171	O	|	|	|	|	4.52	54.000	0.00	1.68	1.378	O	|	|	|	|	3.32
49.000	0.00	2.07	2.156	O	|	|	|	|	4.50	54.083	0.00	1.67	1.367	O	|	|	|	|	3.30
49.083	0.00	2.06	2.142	O	|	|	|	|	4.48	54.167	0.00	1.66	1.355	O	|	|	|	|	3.28
49.167	0.00	2.05	2.128	O	|	|	|	|	4.46	54.250	0.00	1.65	1.344	O	|	|	|	|	3.26
49.250	0.00	2.05	2.114	O	|	|	|	|	4.45	54.333	0.00	1.65	1.332	O	|	|	|	|	3.24
49.333	0.00	2.04	2.100	O	|	|	|	|	4.43	54.417	0.00	1.64	1.321	O	|	|	|	|	3.23
49.417	0.00	2.04	2.086	O	|	|	|	|	4.41	54.500	0.00	1.63	1.310	O	|	|	|	|	3.21
49.500	0.00	2.03	2.072	O	|	|	|	|	4.39	54.583	0.00	1.63	1.299	O	|	|	|	|	3.19
49.583	0.00	2.03	2.058	O	|	|	|	|	4.37	54.667	0.00	1.62	1.287	O	|	|	|	|	3.17
49.667	0.00	2.02	2.044	O	|	|	|	|	4.35	54.750	0.00	1.61	1.276	O	|	|	|	|	3.15
49.750	0.00	2.02	2.030	O	|	|	|	|	4.33	54.833	0.00	1.61	1.265	O	|	|	|	|	3.13
49.833	0.00	2.01	2.016	O	|	|	|	|	4.31	54.917	0.00	1.60	1.254	O	|	|	|	|	3.11
49.917	0.00	2.01	2.002	O	|	|	|	|	4.29	55.000	0.00	1.59	1.243	O	|	|	|	|	3.10
50.000	0.00	2.00	1.988	O	|	|	|	|	4.27	55.083	0.00	1.59	1.232	O	|	|	|	|	3.08
50.083	0.00	1.99	1.975	O	|	|	|	|	4.26	55.167	0.00	1.58	1.221	O	|	|	|	|	3.06
50.167	0.00	1.99	1.961	O	|	|	|	|	4.24	55.250	0.00	1.58	1.210	O	|	|	|	|	3.04
50.250	0.00	1.98	1.947	O	|	|	|	|	4.22	55.333	0.00	1.57	1.199	O	|	|	|	|	3.02
50.333	0.00	1.98	1.934	O	|	|	|	|	4.20	55.417	0.00	1.56	1.189	O	|	|	|	|	3.01
50.417	0.00	1.97	1.920	O	|	|	|	|	4.18	55.500	0.00	1.55	1.178	O	|	|	|	|	2.99
50.500	0.00	1.97	1.906	O	|	|	|	|	4.16	55.583	0.00	1.54	1.167	O	|	|	|	|	2.96
50.583	0.00	1.96	1.893	O	|	|	|	|	4.14	55.667	0.00	1.53	1.157	O	|	|	|	|	2.94
50.667	0.00	1.96	1.879	O	|	|	|	|	4.13	55.750	0.00	1.52	1.146	O	|	|	|	|	2.92
50.750	0.00	1.95	1.866	O	|	|	|	|	4.11	55.833	0.00	1.51	1.136	O	|	|	|	|	2.90
50.833	0.00	1.95	1.853	O	|	|	|	|	4.09	55.917	0.00	1.50	1.125	O	|	|	|	|	2.88
50.917	0.00	1.94	1.839	O	|	|	|	|	4.07	56.000	0.00	1.49	1.115	O	|	|	|	|	2.86
51.000	0.00	1.94	1.826	O	|	|	|	|	4.05	56.083	0.00	1.48	1.105	O	|	|	|	|	2.83
51.083	0.00	1.93	1.813	O	|	|	|	|	4.03	56.167	0.00	1.47	1.095	O	|	|	|	|	2.81
51.167	0.00	1.92	1.799	O	|	|	|	|	4.02	56.250	0.00	1.46	1.084	O	|	|	|	|	2.79
51.250	0.00	1.92	1.786	O	|	|	|	|	4.00	56.333	0.00	1.46	1.074	O	|	|	|	|	2.77

56.417	0.00	1.45	1.064	O	|	|	|	|	2.75	61.500	0.00	0.83	0.573	O	|	|	|	|	1.68
56.500	0.00	1.44	1.054	O	|	|	|	|	2.73	61.583	0.00	0.82	0.567	O	|	|	|	|	1.67
56.583	0.00	1.43	1.045	O	|	|	|	|	2.71	61.667	0.00	0.81	0.562	O	|	|	|	|	1.65
56.667	0.00	1.42	1.035	O	|	|	|	|	2.69	61.750	0.00	0.79	0.556	O	|	|	|	|	1.64
56.750	0.00	1.41	1.025	O	|	|	|	|	2.67	61.833	0.00	0.78	0.551	O	|	|	|	|	1.62
56.833	0.00	1.40	1.015	O	|	|	|	|	2.65	61.917	0.00	0.77	0.546	O	|	|	|	|	1.61
56.917	0.00	1.39	1.006	O	|	|	|	|	2.63	62.000	0.00	0.76	0.540	O	|	|	|	|	1.60
57.000	0.00	1.38	0.996	O	|	|	|	|	2.61	62.083	0.00	0.75	0.535	O	|	|	|	|	1.58
57.083	0.00	1.37	0.987	O	|	|	|	|	2.59	62.167	0.00	0.74	0.530	O	|	|	|	|	1.57
57.167	0.00	1.36	0.977	O	|	|	|	|	2.57	62.250	0.00	0.73	0.525	O	|	|	|	|	1.56
57.250	0.00	1.35	0.968	O	|	|	|	|	2.55	62.333	0.00	0.72	0.520	O	|	|	|	|	1.54
57.333	0.00	1.35	0.959	O	|	|	|	|	2.53	62.417	0.00	0.71	0.515	O	|	|	|	|	1.53
57.417	0.00	1.34	0.949	O	|	|	|	|	2.52	62.500	0.00	0.70	0.510	O	|	|	|	|	1.52
57.500	0.00	1.33	0.940	O	|	|	|	|	2.50	62.583	0.00	0.69	0.505	O	|	|	|	|	1.51
57.583	0.00	1.32	0.931	O	|	|	|	|	2.48	62.667	0.00	0.68	0.501	O	|	|	|	|	1.50
57.667	0.00	1.31	0.922	O	|	|	|	|	2.46	62.750	0.00	0.67	0.496	O	|	|	|	|	1.48
57.750	0.00	1.30	0.913	O	|	|	|	|	2.44	62.833	0.00	0.66	0.492	O	|	|	|	|	1.47
57.833	0.00	1.29	0.904	O	|	|	|	|	2.42	62.917	0.00	0.65	0.487	O	|	|	|	|	1.46
57.917	0.00	1.29	0.895	O	|	|	|	|	2.40	63.000	0.00	0.64	0.483	O	|	|	|	|	1.45
58.000	0.00	1.28	0.886	O	|	|	|	|	2.39	63.083	0.00	0.63	0.478	O	|	|	|	|	1.44
58.083	0.00	1.27	0.878	O	|	|	|	|	2.37	63.167	0.00	0.62	0.474	O	|	|	|	|	1.43
58.167	0.00	1.26	0.869	O	|	|	|	|	2.35	63.250	0.00	0.61	0.470	O	|	|	|	|	1.42
58.250	0.00	1.25	0.860	O	|	|	|	|	2.33	63.333	0.00	0.60	0.466	O	|	|	|	|	1.41
58.333	0.00	1.24	0.852	O	|	|	|	|	2.31	63.417	0.00	0.59	0.461	O	|	|	|	|	1.40
58.417	0.00	1.24	0.843	O	|	|	|	|	2.30	63.500	0.00	0.58	0.457	O	|	|	|	|	1.39
58.500	0.00	1.23	0.835	O	|	|	|	|	2.28	63.583	0.00	0.58	0.453	O	|	|	|	|	1.38
58.583	0.00	1.22	0.826	O	|	|	|	|	2.26	63.667	0.00	0.57	0.449	O	|	|	|	|	1.37
58.667	0.00	1.21	0.818	O	|	|	|	|	2.24	63.750	0.00	0.56	0.446	O	|	|	|	|	1.36
58.750	0.00	1.20	0.810	O	|	|	|	|	2.23	63.833	0.00	0.55	0.442	O	|	|	|	|	1.35
58.833	0.00	1.20	0.801	O	|	|	|	|	2.21	63.917	0.00	0.54	0.438	O	|	|	|	|	1.34
58.917	0.00	1.19	0.793	O	|	|	|	|	2.19	64.000	0.00	0.53	0.434	O	|	|	|	|	1.33
59.000	0.00	1.18	0.785	O	|	|	|	|	2.18	64.083	0.00	0.53	0.431	O	|	|	|	|	1.32
59.083	0.00	1.17	0.777	O	|	|	|	|	2.16	64.167	0.00	0.52	0.427	O	|	|	|	|	1.31
59.167	0.00	1.17	0.769	O	|	|	|	|	2.14	64.250	0.00	0.51	0.424	O	|	|	|	|	1.30
59.250	0.00	1.16	0.761	O	|	|	|	|	2.13	64.333	0.00	0.50	0.420	O	|	|	|	|	1.29
59.333	0.00	1.15	0.753	O	|	|	|	|	2.11	64.417	0.00	0.50	0.417	O	|	|	|	|	1.28
59.417	0.00	1.14	0.745	O	|	|	|	|	2.09	64.500	0.00	0.49	0.413	O	|	|	|	|	1.27
59.500	0.00	1.14	0.737	O	|	|	|	|	2.08	64.583	0.00	0.48	0.410	O	|	|	|	|	1.26
59.583	0.00	1.13	0.729	O	|	|	|	|	2.06	64.667	0.00	0.47	0.407	O	|	|	|	|	1.26
59.667	0.00	1.12	0.721	O	|	|	|	|	2.05	64.750	0.00	0.47	0.403	O	|	|	|	|	1.25
59.750	0.00	1.11	0.714	O	|	|	|	|	2.03	64.833	0.00	0.46	0.400	O	|	|	|	|	1.24
59.833	0.00	1.11	0.706	O	|	|	|	|	2.01	64.917	0.00	0.45	0.397	O	|	|	|	|	1.23
59.917	0.00	1.10	0.699	O	|	|	|	|	2.00	65.000	0.00	0.45	0.394	O	|	|	|	|	1.22
60.000	0.00	1.08	0.691	O	|	|	|	|	1.98	65.083	0.00	0.44	0.391	O	|	|	|	|	1.22
60.083	0.00	1.07	0.684	O	|	|	|	|	1.96	65.167	0.00	0.43	0.388	O	|	|	|	|	1.21
60.167	0.00	1.05	0.676	O	|	|	|	|	1.94	65.250	0.00	0.43	0.385	O	|	|	|	|	1.20
60.250	0.00	1.04	0.669	O	|	|	|	|	1.92	65.333	0.00	0.42	0.382	O	|	|	|	|	1.19
60.333	0.00	1.02	0.662	O	|	|	|	|	1.91	65.417	0.00	0.42	0.379	O	|	|	|	|	1.19
60.417	0.00	1.01	0.655	O	|	|	|	|	1.89	65.500	0.00	0.41	0.376	O	|	|	|	|	1.18
60.500	0.00	0.99	0.648	O	|	|	|	|	1.87	65.583	0.00	0.40	0.373	O	|	|	|	|	1.17
60.583	0.00	0.98	0.641	O	|	|	|	|	1.85	65.667	0.00	0.40	0.371	O	|	|	|	|	1.16
60.667	0.00	0.96	0.635	O	|	|	|	|	1.84	65.750	0.00	0.39	0.368	O	|	|	|	|	1.16
60.750	0.00	0.95	0.628	O	|	|	|	|	1.82	65.833	0.00	0.39	0.365	O	|	|	|	|	1.15
60.833	0.00	0.93	0.622	O	|	|	|	|	1.80	65.917	0.00	0.38	0.363	O	|	|	|	|	1.14
60.917	0.00	0.92	0.615	O	|	|	|	|	1.79	66.000	0.00	0.38	0.360	O	|	|	|	|	1.14
61.000	0.00	0.91	0.609	O	|	|	|	|	1.77	66.083	0.00	0.37	0.357	O	|	|	|	|	1.13
61.083	0.00	0.89	0.603	O	|	|	|	|	1.76	66.167	0.00	0.36	0.355	O	|	|	|	|	1.12
61.167	0.00	0.88	0.597	O	|	|	|	|	1.74	66.250	0.00	0.36	0.352	O	|	|	|	|	1.12
61.250	0.00	0.87	0.591	O	|	|	|	|	1.72	66.333	0.00	0.35	0.350	O	|	|	|	|	1.11
61.333	0.00	0.86	0.585	O	|	|	|	|	1.71	66.417	0.00	0.35	0.347	O	|	|	|	|	1.11
61.417	0.00	0.84	0.579	O	|	|	|	|	1.69	66.500	0.00	0.34	0.345	O	|	|	|	|	1.10

66.583	0.00	0.34	0.343	O	|	|	|	|	1.09	71.667	0.00	0.20	0.238	O	|	|	|	|	0.78
66.667	0.00	0.33	0.340	O	|	|	|	|	1.09	71.750	0.00	0.20	0.236	O	|	|	|	|	0.77
66.750	0.00	0.33	0.338	O	|	|	|	|	1.08	71.833	0.00	0.20	0.235	O	|	|	|	|	0.77
66.833	0.00	0.32	0.336	O	|	|	|	|	1.08	71.917	0.00	0.20	0.234	O	|	|	|	|	0.76
66.917	0.00	0.32	0.334	O	|	|	|	|	1.07	72.000	0.00	0.20	0.232	O	|	|	|	|	0.76
67.000	0.00	0.31	0.331	O	|	|	|	|	1.06	72.083	0.00	0.20	0.231	O	|	|	|	|	0.75
67.083	0.00	0.31	0.329	O	|	|	|	|	1.06	72.167	0.00	0.20	0.230	O	|	|	|	|	0.75
67.167	0.00	0.31	0.327	O	|	|	|	|	1.05	72.250	0.00	0.19	0.228	O	|	|	|	|	0.75
67.250	0.00	0.30	0.325	O	|	|	|	|	1.05	72.333	0.00	0.19	0.227	O	|	|	|	|	0.74
67.333	0.00	0.30	0.323	O	|	|	|	|	1.04	72.417	0.00	0.19	0.226	O	|	|	|	|	0.74
67.417	0.00	0.29	0.321	O	|	|	|	|	1.04	72.500	0.00	0.19	0.224	O	|	|	|	|	0.73
67.500	0.00	0.29	0.319	O	|	|	|	|	1.03	72.583	0.00	0.19	0.223	O	|	|	|	|	0.73
67.583	0.00	0.28	0.317	O	|	|	|	|	1.03	72.667	0.00	0.19	0.222	O	|	|	|	|	0.72
67.667	0.00	0.28	0.315	O	|	|	|	|	1.02	72.750	0.00	0.19	0.220	O	|	|	|	|	0.72
67.750	0.00	0.28	0.313	O	|	|	|	|	1.02	72.833	0.00	0.19	0.219	O	|	|	|	|	0.72
67.833	0.00	0.27	0.311	O	|	|	|	|	1.01	72.917	0.00	0.19	0.218	O	|	|	|	|	0.71
67.917	0.00	0.27	0.309	O	|	|	|	|	1.01	73.000	0.00	0.18	0.217	O	|	|	|	|	0.71
68.000	0.00	0.26	0.308	O	|	|	|	|	1.00	73.083	0.00	0.18	0.215	O	|	|	|	|	0.70
68.083	0.00	0.26	0.306	O	|	|	|	|	1.00	73.167	0.00	0.18	0.214	O	|	|	|	|	0.70
68.167	0.00	0.26	0.304	O	|	|	|	|	0.99	73.250	0.00	0.18	0.213	O	|	|	|	|	0.70
68.250	0.00	0.26	0.302	O	|	|	|	|	0.99	73.333	0.00	0.18	0.212	O	|	|	|	|	0.69
68.333	0.00	0.26	0.301	O	|	|	|	|	0.98	73.417	0.00	0.18	0.210	O	|	|	|	|	0.69
68.417	0.00	0.25	0.299	O	|	|	|	|	0.98	73.500	0.00	0.18	0.209	O	|	|	|	|	0.68
68.500	0.00	0.25	0.297	O	|	|	|	|	0.97	73.583	0.00	0.18	0.208	O	|	|	|	|	0.68
68.583	0.00	0.25	0.295	O	|	|	|	|	0.97	73.667	0.00	0.18	0.207	O	|	|	|	|	0.68
68.667	0.00	0.25	0.294	O	|	|	|	|	0.96	73.750	0.00	0.17	0.205	O	|	|	|	|	0.67
68.750	0.00	0.25	0.292	O	|	|	|	|	0.95	73.833	0.00	0.17	0.204	O	|	|	|	|	0.67
68.833	0.00	0.25	0.290	O	|	|	|	|	0.95	73.917	0.00	0.17	0.203	O	|	|	|	|	0.66
68.917	0.00	0.25	0.288	O	|	|	|	|	0.94	74.000	0.00	0.17	0.202	O	|	|	|	|	0.66
69.000	0.00	0.24	0.287	O	|	|	|	|	0.94	74.083	0.00	0.17	0.201	O	|	|	|	|	0.66
69.083	0.00	0.24	0.285	O	|	|	|	|	0.93	74.167	0.00	0.17	0.200	O	|	|	|	|	0.65
69.167	0.00	0.24	0.283	O	|	|	|	|	0.93	74.250	0.00	0.17	0.198	O	|	|	|	|	0.65
69.250	0.00	0.24	0.282	O	|	|	|	|	0.92	74.333	0.00	0.17	0.197	O	|	|	|	|	0.64
69.333	0.00	0.24	0.280	O	|	|	|	|	0.92	74.417	0.00	0.17	0.196	O	|	|	|	|	0.64
69.417	0.00	0.24	0.279	O	|	|	|	|	0.91	74.500	0.00	0.17	0.195	O	|	|	|	|	0.64
69.500	0.00	0.24	0.277	O	|	|	|	|	0.90	74.583	0.00	0.16	0.194	O	|	|	|	|	0.63
69.583	0.00	0.23	0.275	O	|	|	|	|	0.90	74.667	0.00	0.16	0.193	O	|	|	|	|	0.63
69.667	0.00	0.23	0.274	O	|	|	|	|	0.89	74.750	0.00	0.16	0.192	O	|	|	|	|	0.63
69.750	0.00	0.23	0.272	O	|	|	|	|	0.89	74.833	0.00	0.16	0.190	O	|	|	|	|	0.62
69.833	0.00	0.23	0.270	O	|	|	|	|	0.88	74.917	0.00	0.16	0.189	O	|	|	|	|	0.62
69.917	0.00	0.23	0.269	O	|	|	|	|	0.88	75.000	0.00	0.16	0.188	O	|	|	|	|	0.61
70.000	0.00	0.23	0.267	O	|	|	|	|	0.87	75.083	0.00	0.16	0.187	O	|	|	|	|	0.61
70.083	0.00	0.23	0.266	O	|	|	|	|	0.87	75.167	0.00	0.16	0.186	O	|	|	|	|	0.61
70.167	0.00	0.22	0.264	O	|	|	|	|	0.86	75.250	0.00	0.16	0.185	O	|	|	|	|	0.60
70.250	0.00	0.22	0.263	O	|	|	|	|	0.86	75.333	0.00	0.16	0.184	O	|	|	|	|	0.60
70.333	0.00	0.22	0.261	O	|	|	|	|	0.85	75.417	0.00	0.16	0.183	O	|	|	|	|	0.60
70.417	0.00	0.22	0.260	O	|	|	|	|	0.85	75.500	0.00	0.15	0.182	O	|	|	|	|	0.59
70.500	0.00	0.22	0.258	O	|	|	|	|	0.84	75.583	0.00	0.15	0.181	O	|	|	|	|	0.59
70.583	0.00	0.22	0.257	O	|	|	|	|	0.84	75.667	0.00	0.15	0.180	O	|	|	|	|	0.59
70.667	0.00	0.22	0.255	O	|	|	|	|	0.83	75.750	0.00	0.15	0.179	O	|	|	|	|	0.58
70.750	0.00	0.22	0.254	O	|	|	|	|	0.83	75.833	0.00	0.15	0.177	O	|	|	|	|	0.58
70.833	0.00	0.21	0.252	O	|	|	|	|	0.82	75.917	0.00	0.15	0.176	O	|	|	|	|	0.58
70.917	0.00	0.21	0.251	O	|	|	|	|	0.82	76.000	0.00	0.15	0.175	O	|	|	|	|	0.57
71.000	0.00	0.21	0.249	O	|	|	|	|	0.81	76.083	0.00	0.15	0.174	O	|	|	|	|	0.57
71.083	0.00	0.21	0.248	O	|	|	|	|	0.81	76.167	0.00	0.15	0.173	O	|	|	|	|	0.57
71.167	0.00	0.21	0.246	O	|	|	|	|	0.80	76.250	0.00	0.15	0.172	O	|	|	|	|	0.56
71.250	0.00	0.21	0.245	O	|	|	|	|	0.80	76.333	0.00	0.15	0.171	O	|	|	|	|	0.56
71.333	0.00	0.21	0.243	O	|	|	|	|	0.80	76.417	0.00	0.14	0.170	O	|	|	|	|	0.56
71.417	0.00	0.21	0.242	O	|	|	|	|	0.79	76.500	0.00	0.14	0.169	O	|	|	|	|	0.55
71.500	0.00	0.20	0.241	O	|	|	|	|	0.79	76.583	0.00	0.14	0.168	O	|	|	|	|	0.55
71.583	0.00	0.20	0.239	O	|	|	|	|	0.78	76.667	0.00	0.14	0.167	O	|	|	|	|	0.55

76.750	0.00	0.14	0.166	O	|	|	|	|	0.54	81.833	0.00	0.10	0.116	O	|	|	|	|	0.38
76.833	0.00	0.14	0.165	O	|	|	|	|	0.54	81.917	0.00	0.10	0.116	O	|	|	|	|	0.38
76.917	0.00	0.14	0.164	O	|	|	|	|	0.54	82.000	0.00	0.10	0.115	O	|	|	|	|	0.38
77.000	0.00	0.14	0.164	O	|	|	|	|	0.53	82.083	0.00	0.10	0.114	O	|	|	|	|	0.37
77.083	0.00	0.14	0.163	O	|	|	|	|	0.53	82.167	0.00	0.10	0.114	O	|	|	|	|	0.37
77.167	0.00	0.14	0.162	O	|	|	|	|	0.53	82.250	0.00	0.10	0.113	O	|	|	|	|	0.37
77.250	0.00	0.14	0.161	O	|	|	|	|	0.53	82.333	0.00	0.10	0.112	O	|	|	|	|	0.37
77.333	0.00	0.14	0.160	O	|	|	|	|	0.52	82.417	0.00	0.09	0.112	O	|	|	|	|	0.37
77.417	0.00	0.13	0.159	O	|	|	|	|	0.52	82.500	0.00	0.09	0.111	O	|	|	|	|	0.36
77.500	0.00	0.13	0.158	O	|	|	|	|	0.52	82.583	0.00	0.09	0.110	O	|	|	|	|	0.36
77.583	0.00	0.13	0.157	O	|	|	|	|	0.51	82.667	0.00	0.09	0.110	O	|	|	|	|	0.36
77.667	0.00	0.13	0.156	O	|	|	|	|	0.51	82.750	0.00	0.09	0.109	O	|	|	|	|	0.36
77.750	0.00	0.13	0.155	O	|	|	|	|	0.51	82.833	0.00	0.09	0.109	O	|	|	|	|	0.35
77.833	0.00	0.13	0.154	O	|	|	|	|	0.50	82.917	0.00	0.09	0.108	O	|	|	|	|	0.35
77.917	0.00	0.13	0.153	O	|	|	|	|	0.50	83.000	0.00	0.09	0.107	O	|	|	|	|	0.35
78.000	0.00	0.13	0.152	O	|	|	|	|	0.50	83.083	0.00	0.09	0.107	O	|	|	|	|	0.35
78.083	0.00	0.13	0.152	O	|	|	|	|	0.50	83.167	0.00	0.09	0.106	O	|	|	|	|	0.35
78.167	0.00	0.13	0.151	O	|	|	|	|	0.49	83.250	0.00	0.09	0.105	O	|	|	|	|	0.34
78.250	0.00	0.13	0.150	O	|	|	|	|	0.49	83.333	0.00	0.09	0.105	O	|	|	|	|	0.34
78.333	0.00	0.13	0.149	O	|	|	|	|	0.49	83.417	0.00	0.09	0.104	O	|	|	|	|	0.34
78.417	0.00	0.13	0.148	O	|	|	|	|	0.48	83.500	0.00	0.09	0.104	O	|	|	|	|	0.34
78.500	0.00	0.13	0.147	O	|	|	|	|	0.48	83.583	0.00	0.09	0.103	O	|	|	|	|	0.34
78.583	0.00	0.12	0.146	O	|	|	|	|	0.48	83.667	0.00	0.09	0.102	O	|	|	|	|	0.33
78.667	0.00	0.12	0.145	O	|	|	|	|	0.48	83.750	0.00	0.09	0.102	O	|	|	|	|	0.33
78.750	0.00	0.12	0.145	O	|	|	|	|	0.47	83.833	0.00	0.09	0.101	O	|	|	|	|	0.33
78.833	0.00	0.12	0.144	O	|	|	|	|	0.47	83.917	0.00	0.09	0.101	O	|	|	|	|	0.33
78.917	0.00	0.12	0.143	O	|	|	|	|	0.47	84.000	0.00	0.08	0.100	O	|	|	|	|	0.33
79.000	0.00	0.12	0.142	O	|	|	|	|	0.46	84.083	0.00	0.08	0.099	O	|	|	|	|	0.32
79.083	0.00	0.12	0.141	O	|	|	|	|	0.46	84.167	0.00	0.08	0.099	O	|	|	|	|	0.32
79.167	0.00	0.12	0.140	O	|	|	|	|	0.46	84.250	0.00	0.08	0.098	O	|	|	|	|	0.32
79.250	0.00	0.12	0.140	O	|	|	|	|	0.46	84.333	0.00	0.08	0.098	O	|	|	|	|	0.32
79.333	0.00	0.12	0.139	O	|	|	|	|	0.45	84.417	0.00	0.08	0.097	O	|	|	|	|	0.32
79.417	0.00	0.12	0.138	O	|	|	|	|	0.45	84.500	0.00	0.08	0.097	O	|	|	|	|	0.32
79.500	0.00	0.12	0.137	O	|	|	|	|	0.45	84.583	0.00	0.08	0.096	O	|	|	|	|	0.31
79.583	0.00	0.12	0.136	O	|	|	|	|	0.45	84.667	0.00	0.08	0.095	O	|	|	|	|	0.31
79.667	0.00	0.12	0.136	O	|	|	|	|	0.44	84.750	0.00	0.08	0.095	O	|	|	|	|	0.31
79.750	0.00	0.11	0.135	O	|	|	|	|	0.44	84.833	0.00	0.08	0.094	O	|	|	|	|	0.31
79.833	0.00	0.11	0.134	O	|	|	|	|	0.44	84.917	0.00	0.08	0.094	O	|	|	|	|	0.31
79.917	0.00	0.11	0.133	O	|	|	|	|	0.44	85.000	0.00	0.08	0.093	O	|	|	|	|	0.30
80.000	0.00	0.11	0.132	O	|	|	|	|	0.43	85.083	0.00	0.08	0.093	O	|	|	|	|	0.30
80.083	0.00	0.11	0.132	O	|	|	|	|	0.43	85.167	0.00	0.08	0.092	O	|	|	|	|	0.30
80.167	0.00	0.11	0.131	O	|	|	|	|	0.43	85.250	0.00	0.08	0.092	O	|	|	|	|	0.30
80.250	0.00	0.11	0.130	O	|	|	|	|	0.43	85.333	0.00	0.08	0.091	O	|	|	|	|	0.30
80.333	0.00	0.11	0.129	O	|	|	|	|	0.42	85.417	0.00	0.08	0.091	O	|	|	|	|	0.30
80.417	0.00	0.11	0.129	O	|	|	|	|	0.42	85.500	0.00	0.08	0.090	O	|	|	|	|	0.29
80.500	0.00	0.11	0.128	O	|	|	|	|	0.42	85.583	0.00	0.08	0.090	O	|	|	|	|	0.29
80.583	0.00	0.11	0.127	O	|	|	|	|	0.42	85.667	0.00	0.08	0.089	O	|	|	|	|	0.29
80.667	0.00	0.11	0.126	O	|	|	|	|	0.41	85.750	0.00	0.08	0.088	O	|	|	|	|	0.29
80.750	0.00	0.11	0.126	O	|	|	|	|	0.41	85.833	0.00	0.07	0.088	O	|	|	|	|	0.29
80.833	0.00	0.11	0.125	O	|	|	|	|	0.41	85.917	0.00	0.07	0.087	O	|	|	|	|	0.29
80.917	0.00	0.11	0.124	O	|	|	|	|	0.41	86.000	0.00	0.07	0.087	O	|	|	|	|	0.28
81.000	0.00	0.10	0.123	O	|	|	|	|	0.40	86.083	0.00	0.07	0.086	O	|	|	|	|	0.28
81.083	0.00	0.10	0.123	O	|	|	|	|	0.40	86.167	0.00	0.07	0.086	O	|	|	|	|	0.28
81.167	0.00	0.10	0.122	O	|	|	|	|	0.40	86.250	0.00	0.07	0.085	O	|	|	|	|	0.28
81.250	0.00	0.10	0.121	O	|	|	|	|	0.40	86.333	0.00	0.07	0.085	O	|	|	|	|	0.28
81.333	0.00	0.10	0.121	O	|	|	|	|	0.39	86.417	0.00	0.07	0.084	O	|	|	|	|	0.28
81.417	0.00	0.10	0.120	O	|	|	|	|	0.39	86.500	0.00	0.07	0.084	O	|	|	|	|	0.27
81.500	0.00	0.10	0.119	O	|	|	|	|	0.39	86.583	0.00	0.07	0.083	O	|	|	|	|	0.27
81.583	0.00	0.10	0.119	O	|	|	|	|	0.39	86.667	0.00	0.07	0.083	O	|	|	|	|	0.27
81.667	0.00	0.10	0.118	O	|	|	|	|	0.39	86.750	0.00	0.07	0.082	O	|	|	|	|	0.27
81.750	0.00	0.10	0.117	O	|	|	|	|	0.38	86.833	0.00	0.07	0.082	O	|	|	|	|	0.27

86.917	0.00	0.07	0.082	O	|	|	|	|	0.27	92.000	0.00	0.05	0.057	O	|	|	|	|	0.19
87.000	0.00	0.07	0.081	O	|	|	|	|	0.26	92.083	0.00	0.05	0.057	O	|	|	|	|	0.19
87.083	0.00	0.07	0.081	O	|	|	|	|	0.26	92.167	0.00	0.05	0.056	O	|	|	|	|	0.18
87.167	0.00	0.07	0.080	O	|	|	|	|	0.26	92.250	0.00	0.05	0.056	O	|	|	|	|	0.18
87.250	0.00	0.07	0.080	O	|	|	|	|	0.26	92.333	0.00	0.05	0.056	O	|	|	|	|	0.18
87.333	0.00	0.07	0.079	O	|	|	|	|	0.26	92.417	0.00	0.05	0.055	O	|	|	|	|	0.18
87.417	0.00	0.07	0.079	O	|	|	|	|	0.26	92.500	0.00	0.05	0.055	O	|	|	|	|	0.18
87.500	0.00	0.07	0.078	O	|	|	|	|	0.26	92.583	0.00	0.05	0.055	O	|	|	|	|	0.18
87.583	0.00	0.07	0.078	O	|	|	|	|	0.25	92.667	0.00	0.05	0.054	O	|	|	|	|	0.18
87.667	0.00	0.07	0.077	O	|	|	|	|	0.25	92.750	0.00	0.05	0.054	O	|	|	|	|	0.18
87.750	0.00	0.07	0.077	O	|	|	|	|	0.25	92.833	0.00	0.05	0.054	O	|	|	|	|	0.18
87.833	0.00	0.06	0.076	O	|	|	|	|	0.25	92.917	0.00	0.05	0.053	O	|	|	|	|	0.17
87.917	0.00	0.06	0.076	O	|	|	|	|	0.25	93.000	0.00	0.05	0.053	O	|	|	|	|	0.17
88.000	0.00	0.06	0.076	O	|	|	|	|	0.25	93.083	0.00	0.04	0.053	O	|	|	|	|	0.17
88.083	0.00	0.06	0.075	O	|	|	|	|	0.25	93.167	0.00	0.04	0.053	O	|	|	|	|	0.17
88.167	0.00	0.06	0.075	O	|	|	|	|	0.24	93.250	0.00	0.04	0.052	O	|	|	|	|	0.17
88.250	0.00	0.06	0.074	O	|	|	|	|	0.24	93.333	0.00	0.04	0.052	O	|	|	|	|	0.17
88.333	0.00	0.06	0.074	O	|	|	|	|	0.24	93.417	0.00	0.04	0.052	O	|	|	|	|	0.17
88.417	0.00	0.06	0.073	O	|	|	|	|	0.24	93.500	0.00	0.04	0.051	O	|	|	|	|	0.17
88.500	0.00	0.06	0.073	O	|	|	|	|	0.24	93.583	0.00	0.04	0.051	O	|	|	|	|	0.17
88.583	0.00	0.06	0.073	O	|	|	|	|	0.24	93.667	0.00	0.04	0.051	O	|	|	|	|	0.17
88.667	0.00	0.06	0.072	O	|	|	|	|	0.24	93.750	0.00	0.04	0.050	O	|	|	|	|	0.16
88.750	0.00	0.06	0.072	O	|	|	|	|	0.23	93.833	0.00	0.04	0.050	O	|	|	|	|	0.16
88.833	0.00	0.06	0.071	O	|	|	|	|	0.23	93.917	0.00	0.04	0.050	O	|	|	|	|	0.16
88.917	0.00	0.06	0.071	O	|	|	|	|	0.23	94.000	0.00	0.04	0.050	O	|	|	|	|	0.16
89.000	0.00	0.06	0.070	O	|	|	|	|	0.23	94.083	0.00	0.04	0.049	O	|	|	|	|	0.16
89.083	0.00	0.06	0.070	O	|	|	|	|	0.23	94.167	0.00	0.04	0.049	O	|	|	|	|	0.16
89.167	0.00	0.06	0.070	O	|	|	|	|	0.23	94.250	0.00	0.04	0.049	O	|	|	|	|	0.16
89.250	0.00	0.06	0.069	O	|	|	|	|	0.23	94.333	0.00	0.04	0.048	O	|	|	|	|	0.16
89.333	0.00	0.06	0.069	O	|	|	|	|	0.22	94.417	0.00	0.04	0.048	O	|	|	|	|	0.16
89.417	0.00	0.06	0.068	O	|	|	|	|	0.22	94.500	0.00	0.04	0.048	O	|	|	|	|	0.16
89.500	0.00	0.06	0.068	O	|	|	|	|	0.22	94.583	0.00	0.04	0.048	O	|	|	|	|	0.16
89.583	0.00	0.06	0.068	O	|	|	|	|	0.22	94.667	0.00	0.04	0.047	O	|	|	|	|	0.15
89.667	0.00	0.06	0.067	O	|	|	|	|	0.22	94.750	0.00	0.04	0.047	O	|	|	|	|	0.15
89.750	0.00	0.06	0.067	O	|	|	|	|	0.22	94.833	0.00	0.04	0.047	O	|	|	|	|	0.15
89.833	0.00	0.06	0.066	O	|	|	|	|	0.22	94.917	0.00	0.04	0.046	O	|	|	|	|	0.15
89.917	0.00	0.06	0.066	O	|	|	|	|	0.22	95.000	0.00	0.04	0.046	O	|	|	|	|	0.15
90.000	0.00	0.06	0.066	O	|	|	|	|	0.21	95.083	0.00	0.04	0.046	O	|	|	|	|	0.15
90.083	0.00	0.06	0.065	O	|	|	|	|	0.21	95.167	0.00	0.04	0.046	O	|	|	|	|	0.15
90.167	0.00	0.06	0.065	O	|	|	|	|	0.21	95.250	0.00	0.04	0.045	O	|	|	|	|	0.15
90.250	0.00	0.05	0.064	O	|	|	|	|	0.21	95.333	0.00	0.04	0.045	O	|	|	|	|	0.15
90.333	0.00	0.05	0.064	O	|	|	|	|	0.21	95.417	0.00	0.04	0.045	O	|	|	|	|	0.15
90.417	0.00	0.05	0.064	O	|	|	|	|	0.21	95.500	0.00	0.04	0.045	O	|	|	|	|	0.15
90.500	0.00	0.05	0.063	O	|	|	|	|	0.21	95.583	0.00	0.04	0.044	O	|	|	|	|	0.14
90.583	0.00	0.05	0.063	O	|	|	|	|	0.21	95.667	0.00	0.04	0.044	O	|	|	|	|	0.14
90.667	0.00	0.05	0.063	O	|	|	|	|	0.20	95.750	0.00	0.04	0.044	O	|	|	|	|	0.14
90.750	0.00	0.05	0.062	O	|	|	|	|	0.20	95.833	0.00	0.04	0.044	O	|	|	|	|	0.14
90.833	0.00	0.05	0.062	O	|	|	|	|	0.20	95.917	0.00	0.04	0.043	O	|	|	|	|	0.14
90.917	0.00	0.05	0.062	O	|	|	|	|	0.20	96.000	0.00	0.04	0.043	O	|	|	|	|	0.14
91.000	0.00	0.05	0.061	O	|	|	|	|	0.20	96.083	0.00	0.04	0.043	O	|	|	|	|	0.14
91.083	0.00	0.05	0.061	O	|	|	|	|	0.20	96.167	0.00	0.04	0.043	O	|	|	|	|	0.14
91.167	0.00	0.05	0.060	O	|	|	|	|	0.20	96.250	0.00	0.04	0.042	O	|	|	|	|	0.14
91.250	0.00	0.05	0.060	O	|	|	|	|	0.20	96.333	0.00	0.04	0.042	O	|	|	|	|	0.14
91.333	0.00	0.05	0.060	O	|	|	|	|	0.20	96.417	0.00	0.04	0.042	O	|	|	|	|	0.14
91.417	0.00	0.05	0.059	O	|	|	|	|	0.19	96.500	0.00	0.04	0.042	O	|	|	|	|	0.14
91.500	0.00	0.05	0.059	O	|	|	|	|	0.19	96.583	0.00	0.04	0.041	O	|	|	|	|	0.14
91.583	0.00	0.05	0.059	O	|	|	|	|	0.19	96.667	0.00	0.03	0.041	O	|	|	|	|	0.13
91.667	0.00	0.05	0.058	O	|	|	|	|	0.19	96.750	0.00	0.03	0.041	O	|	|	|	|	0.13
91.750	0.00	0.05	0.058	O	|	|	|	|	0.19	96.833	0.00	0.03	0.041	O	|	|	|	|	0.13
91.833	0.00	0.05	0.058	O	|	|	|	|	0.19	96.917	0.00	0.03	0.040	O	|	|	|	|	0.13
91.917	0.00	0.05	0.057	O	|	|	|	|	0.19	97.000	0.00	0.03	0.040	O	|	|	|	|	0.13

97.083	0.00	0.03	0.040	O	|	|	|	|	0.13	102.167	0.00	0.02	0.028	O	|	|	|	|	0.09
97.167	0.00	0.03	0.040	O	|	|	|	|	0.13	102.250	0.00	0.02	0.028	O	|	|	|	|	0.09
97.250	0.00	0.03	0.039	O	|	|	|	|	0.13	102.333	0.00	0.02	0.028	O	|	|	|	|	0.09
97.333	0.00	0.03	0.039	O	|	|	|	|	0.13	102.417	0.00	0.02	0.027	O	|	|	|	|	0.09
97.417	0.00	0.03	0.039	O	|	|	|	|	0.13	102.500	0.00	0.02	0.027	O	|	|	|	|	0.09
97.500	0.00	0.03	0.039	O	|	|	|	|	0.13	102.583	0.00	0.02	0.027	O	|	|	|	|	0.09
97.583	0.00	0.03	0.039	O	|	|	|	|	0.13	102.667	0.00	0.02	0.027	O	|	|	|	|	0.09
97.667	0.00	0.03	0.038	O	|	|	|	|	0.13	102.750	0.00	0.02	0.027	O	|	|	|	|	0.09
97.750	0.00	0.03	0.038	O	|	|	|	|	0.12	102.833	0.00	0.02	0.027	O	|	|	|	|	0.09
97.833	0.00	0.03	0.038	O	|	|	|	|	0.12	102.917	0.00	0.02	0.026	O	|	|	|	|	0.09
97.917	0.00	0.03	0.038	O	|	|	|	|	0.12	103.000	0.00	0.02	0.026	O	|	|	|	|	0.09
98.000	0.00	0.03	0.037	O	|	|	|	|	0.12	103.083	0.00	0.02	0.026	O	|	|	|	|	0.09
98.083	0.00	0.03	0.037	O	|	|	|	|	0.12	103.167	0.00	0.02	0.026	O	|	|	|	|	0.09
98.167	0.00	0.03	0.037	O	|	|	|	|	0.12	103.250	0.00	0.02	0.026	O	|	|	|	|	0.08
98.250	0.00	0.03	0.037	O	|	|	|	|	0.12	103.333	0.00	0.02	0.026	O	|	|	|	|	0.08
98.333	0.00	0.03	0.037	O	|	|	|	|	0.12	103.417	0.00	0.02	0.026	O	|	|	|	|	0.08
98.417	0.00	0.03	0.036	O	|	|	|	|	0.12	103.500	0.00	0.02	0.025	O	|	|	|	|	0.08
98.500	0.00	0.03	0.036	O	|	|	|	|	0.12	103.583	0.00	0.02	0.025	O	|	|	|	|	0.08
98.583	0.00	0.03	0.036	O	|	|	|	|	0.12	103.667	0.00	0.02	0.025	O	|	|	|	|	0.08
98.667	0.00	0.03	0.036	O	|	|	|	|	0.12	103.750	0.00	0.02	0.025	O	|	|	|	|	0.08
98.750	0.00	0.03	0.036	O	|	|	|	|	0.12	103.833	0.00	0.02	0.025	O	|	|	|	|	0.08
98.833	0.00	0.03	0.035	O	|	|	|	|	0.12	103.917	0.00	0.02	0.025	O	|	|	|	|	0.08
98.917	0.00	0.03	0.035	O	|	|	|	|	0.11	104.000	0.00	0.02	0.025	O	|	|	|	|	0.08
99.000	0.00	0.03	0.035	O	|	|	|	|	0.11	104.083	0.00	0.02	0.024	O	|	|	|	|	0.08
99.083	0.00	0.03	0.035	O	|	|	|	|	0.11	104.167	0.00	0.02	0.024	O	|	|	|	|	0.08
99.167	0.00	0.03	0.034	O	|	|	|	|	0.11	104.250	0.00	0.02	0.024	O	|	|	|	|	0.08
99.250	0.00	0.03	0.034	O	|	|	|	|	0.11	104.333	0.00	0.02	0.024	O	|	|	|	|	0.08
99.333	0.00	0.03	0.034	O	|	|	|	|	0.11	104.417	0.00	0.02	0.024	O	|	|	|	|	0.08
99.417	0.00	0.03	0.034	O	|	|	|	|	0.11	104.500	0.00	0.02	0.024	O	|	|	|	|	0.08
99.500	0.00	0.03	0.034	O	|	|	|	|	0.11	104.583	0.00	0.02	0.024	O	|	|	|	|	0.08
99.583	0.00	0.03	0.033	O	|	|	|	|	0.11	104.667	0.00	0.02	0.023	O	|	|	|	|	0.08
99.667	0.00	0.03	0.033	O	|	|	|	|	0.11	104.750	0.00	0.02	0.023	O	|	|	|	|	0.08
99.750	0.00	0.03	0.033	O	|	|	|	|	0.11	104.833	0.00	0.02	0.023	O	|	|	|	|	0.08
99.833	0.00	0.03	0.033	O	|	|	|	|	0.11	104.917	0.00	0.02	0.023	O	|	|	|	|	0.08
99.917	0.00	0.03	0.033	O	|	|	|	|	0.11	105.000	0.00	0.02	0.023	O	|	|	|	|	0.07
100.000	0.00	0.03	0.033	O	|	|	|	|	0.11	105.083	0.00	0.02	0.023	O	|	|	|	|	0.07
100.083	0.00	0.03	0.032	O	|	|	|	|	0.11	105.167	0.00	0.02	0.023	O	|	|	|	|	0.07
100.167	0.00	0.03	0.032	O	|	|	|	|	0.11	105.250	0.00	0.02	0.022	O	|	|	|	|	0.07
100.250	0.00	0.03	0.032	O	|	|	|	|	0.10	105.333	0.00	0.02	0.022	O	|	|	|	|	0.07
100.333	0.00	0.03	0.032	O	|	|	|	|	0.10	105.417	0.00	0.02	0.022	O	|	|	|	|	0.07
100.417	0.00	0.03	0.032	O	|	|	|	|	0.10	105.500	0.00	0.02	0.022	O	|	|	|	|	0.07
100.500	0.00	0.03	0.031	O	|	|	|	|	0.10	105.583	0.00	0.02	0.022	O	|	|	|	|	0.07
100.583	0.00	0.03	0.031	O	|	|	|	|	0.10	105.667	0.00	0.02	0.022	O	|	|	|	|	0.07
100.667	0.00	0.03	0.031	O	|	|	|	|	0.10	105.750	0.00	0.02	0.022	O	|	|	|	|	0.07
100.750	0.00	0.03	0.031	O	|	|	|	|	0.10	105.833	0.00	0.02	0.022	O	|	|	|	|	0.07
100.833	0.00	0.03	0.031	O	|	|	|	|	0.10	105.917	0.00	0.02	0.021	O	|	|	|	|	0.07
100.917	0.00	0.03	0.030	O	|	|	|	|	0.10	106.000	0.00	0.02	0.021	O	|	|	|	|	0.07
101.000	0.00	0.03	0.030	O	|	|	|	|	0.10	106.083	0.00	0.02	0.021	O	|	|	|	|	0.07
101.083	0.00	0.03	0.030	O	|	|	|	|	0.10	106.167	0.00	0.02	0.021	O	|	|	|	|	0.07
101.167	0.00	0.03	0.030	O	|	|	|	|	0.10	106.250	0.00	0.02	0.021	O	|	|	|	|	0.07
101.250	0.00	0.03	0.030	O	|	|	|	|	0.10	106.333	0.00	0.02	0.021	O	|	|	|	|	0.07
101.333	0.00	0.03	0.030	O	|	|	|	|	0.10	106.417	0.00	0.02	0.021	O	|	|	|	|	0.07
101.417	0.00	0.03	0.029	O	|	|	|	|	0.10	106.500	0.00	0.02	0.021	O	|	|	|	|	0.07
101.500	0.00	0.02	0.029	O	|	|	|	|	0.10	106.583	0.00	0.02	0.020	O	|	|	|	|	0.07
101.583	0.00	0.02	0.029	O	|	|	|	|	0.10	106.667	0.00	0.02	0.020	O	|	|	|	|	0.07
101.667	0.00	0.02	0.029	O	|	|	|	|	0.09	106.750	0.00	0.02	0.020	O	|	|	|	|	0.07
101.750	0.00	0.02	0.029	O	|	|	|	|	0.09	106.833	0.00	0.02	0.020	O	|	|	|	|	0.07
101.833	0.00	0.02	0.029	O	|	|	|	|	0.09	106.917	0.00	0.02	0.020	O	|	|	|	|	0.07
101.917	0.00	0.02	0.028	O	|	|	|	|	0.09	107.000	0.00	0.02	0.020	O	|	|	|	|	0.07
102.000	0.00	0.02	0.028	O	|	|	|	|	0.09	107.083	0.00	0.02	0.020	O	|	|	|	|	0.06
102.083	0.00	0.02	0.028	O	|	|	|	|	0.09	107.167	0.00	0.02	0.020	O	|	|	|	|	0.06

107.250	0.00	0.02	0.020	O	|	|	|	|	0.06	112.333	0.00	0.01	0.014	O	|	|	|	|	0.04
107.333	0.00	0.02	0.019	O	|	|	|	|	0.06	112.417	0.00	0.01	0.014	O	|	|	|	|	0.04
107.417	0.00	0.02	0.019	O	|	|	|	|	0.06	112.500	0.00	0.01	0.014	O	|	|	|	|	0.04
107.500	0.00	0.02	0.019	O	|	|	|	|	0.06	112.583	0.00	0.01	0.013	O	|	|	|	|	0.04
107.583	0.00	0.02	0.019	O	|	|	|	|	0.06	112.667	0.00	0.01	0.013	O	|	|	|	|	0.04
107.667	0.00	0.02	0.019	O	|	|	|	|	0.06	112.750	0.00	0.01	0.013	O	|	|	|	|	0.04
107.750	0.00	0.02	0.019	O	|	|	|	|	0.06	112.833	0.00	0.01	0.013	O	|	|	|	|	0.04
107.833	0.00	0.02	0.019	O	|	|	|	|	0.06	112.917	0.00	0.01	0.013	O	|	|	|	|	0.04
107.917	0.00	0.02	0.019	O	|	|	|	|	0.06	113.000	0.00	0.01	0.013	O	|	|	|	|	0.04
108.000	0.00	0.02	0.019	O	|	|	|	|	0.06	113.083	0.00	0.01	0.013	O	|	|	|	|	0.04
108.083	0.00	0.02	0.018	O	|	|	|	|	0.06	113.167	0.00	0.01	0.013	O	|	|	|	|	0.04
108.167	0.00	0.02	0.018	O	|	|	|	|	0.06	113.250	0.00	0.01	0.013	O	|	|	|	|	0.04
108.250	0.00	0.02	0.018	O	|	|	|	|	0.06	113.333	0.00	0.01	0.013	O	|	|	|	|	0.04
108.333	0.00	0.02	0.018	O	|	|	|	|	0.06	113.417	0.00	0.01	0.013	O	|	|	|	|	0.04
108.417	0.00	0.02	0.018	O	|	|	|	|	0.06	113.500	0.00	0.01	0.013	O	|	|	|	|	0.04
108.500	0.00	0.02	0.018	O	|	|	|	|	0.06	113.583	0.00	0.01	0.013	O	|	|	|	|	0.04
108.583	0.00	0.02	0.018	O	|	|	|	|	0.06	113.667	0.00	0.01	0.012	O	|	|	|	|	0.04
108.667	0.00	0.02	0.018	O	|	|	|	|	0.06	113.750	0.00	0.01	0.012	O	|	|	|	|	0.04
108.750	0.00	0.01	0.018	O	|	|	|	|	0.06	113.833	0.00	0.01	0.012	O	|	|	|	|	0.04
108.833	0.00	0.01	0.017	O	|	|	|	|	0.06	113.917	0.00	0.01	0.012	O	|	|	|	|	0.04
108.917	0.00	0.01	0.017	O	|	|	|	|	0.06	114.000	0.00	0.01	0.012	O	|	|	|	|	0.04
109.000	0.00	0.01	0.017	O	|	|	|	|	0.06	114.083	0.00	0.01	0.012	O	|	|	|	|	0.04
109.083	0.00	0.01	0.017	O	|	|	|	|	0.06	114.167	0.00	0.01	0.012	O	|	|	|	|	0.04
109.167	0.00	0.01	0.017	O	|	|	|	|	0.06	114.250	0.00	0.01	0.012	O	|	|	|	|	0.04
109.250	0.00	0.01	0.017	O	|	|	|	|	0.06	114.333	0.00	0.01	0.012	O	|	|	|	|	0.04
109.333	0.00	0.01	0.017	O	|	|	|	|	0.06	114.417	0.00	0.01	0.012	O	|	|	|	|	0.04
109.417	0.00	0.01	0.017	O	|	|	|	|	0.05	114.500	0.00	0.01	0.012	O	|	|	|	|	0.04
109.500	0.00	0.01	0.017	O	|	|	|	|	0.05	114.583	0.00	0.01	0.012	O	|	|	|	|	0.04
109.583	0.00	0.01	0.017	O	|	|	|	|	0.05	114.667	0.00	0.01	0.012	O	|	|	|	|	0.04
109.667	0.00	0.01	0.016	O	|	|	|	|	0.05	114.750	0.00	0.01	0.012	O	|	|	|	|	0.04
109.750	0.00	0.01	0.016	O	|	|	|	|	0.05	114.833	0.00	0.01	0.011	O	|	|	|	|	0.04
109.833	0.00	0.01	0.016	O	|	|	|	|	0.05	114.917	0.00	0.01	0.011	O	|	|	|	|	0.04
109.917	0.00	0.01	0.016	O	|	|	|	|	0.05	115.000	0.00	0.01	0.011	O	|	|	|	|	0.04
110.000	0.00	0.01	0.016	O	|	|	|	|	0.05	115.083	0.00	0.01	0.011	O	|	|	|	|	0.04
110.083	0.00	0.01	0.016	O	|	|	|	|	0.05	115.167	0.00	0.01	0.011	O	|	|	|	|	0.04
110.167	0.00	0.01	0.016	O	|	|	|	|	0.05	115.250	0.00	0.01	0.011	O	|	|	|	|	0.04
110.250	0.00	0.01	0.016	O	|	|	|	|	0.05	115.333	0.00	0.01	0.011	O	|	|	|	|	0.04
110.333	0.00	0.01	0.016	O	|	|	|	|	0.05	115.417	0.00	0.01	0.011	O	|	|	|	|	0.04
110.417	0.00	0.01	0.016	O	|	|	|	|	0.05	115.500	0.00	0.01	0.011	O	|	|	|	|	0.04
110.500	0.00	0.01	0.016	O	|	|	|	|	0.05	115.583	0.00	0.01	0.011	O	|	|	|	|	0.04
110.583	0.00	0.01	0.015	O	|	|	|	|	0.05	115.667	0.00	0.01	0.011	O	|	|	|	|	0.04
110.667	0.00	0.01	0.015	O	|	|	|	|	0.05	115.750	0.00	0.01	0.011	O	|	|	|	|	0.04
110.750	0.00	0.01	0.015	O	|	|	|	|	0.05	115.833	0.00	0.01	0.011	O	|	|	|	|	0.03
110.833	0.00	0.01	0.015	O	|	|	|	|	0.05	115.917	0.00	0.01	0.011	O	|	|	|	|	0.03
110.917	0.00	0.01	0.015	O	|	|	|	|	0.05	116.000	0.00	0.01	0.011	O	|	|	|	|	0.03
111.000	0.00	0.01	0.015	O	|	|	|	|	0.05	116.083	0.00	0.01	0.011	O	|	|	|	|	0.03
111.083	0.00	0.01	0.015	O	|	|	|	|	0.05	116.167	0.00	0.01	0.010	O	|	|	|	|	0.03
111.167	0.00	0.01	0.015	O	|	|	|	|	0.05	116.250	0.00	0.01	0.010	O	|	|	|	|	0.03
111.250	0.00	0.01	0.015	O	|	|	|	|	0.05	116.333	0.00	0.01	0.010	O	|	|	|	|	0.03
111.333	0.00	0.01	0.015	O	|	|	|	|	0.05	116.417	0.00	0.01	0.010	O	|	|	|	|	0.03
111.417	0.00	0.01	0.015	O	|	|	|	|	0.05	116.500	0.00	0.01	0.010	O	|	|	|	|	0.03
111.500	0.00	0.01	0.015	O	|	|	|	|	0.05	116.583	0.00	0.01	0.010	O	|	|	|	|	0.03
111.583	0.00	0.01	0.014	O	|	|	|	|	0.05	116.667	0.00	0.01	0.010	O	|	|	|	|	0.03
111.667	0.00	0.01	0.014	O	|	|	|	|	0.05	116.750	0.00	0.01	0.010	O	|	|	|	|	0.03
111.750	0.00	0.01	0.014	O	|	|	|	|	0.05	116.833	0.00	0.01	0.010	O	|	|	|	|	0.03
111.833	0.00	0.01	0.014	O	|	|	|	|	0.05	116.917	0.00	0.01	0.010	O	|	|	|	|	0.03
111.917	0.00	0.01	0.014	O	|	|	|	|	0.05	117.000	0.00	0.01	0.010	O	|	|	|	|	0.03
112.000	0.00	0.01	0.014	O	|	|	|	|	0.05	117.083	0.00	0.01	0.010	O	|	|	|	|	0.03
112.083	0.00	0.01	0.014	O	|	|	|	|	0.05	117.167	0.00	0.01	0.010	O	|	|	|	|	0.03
112.167	0.00	0.01	0.014	O	|	|	|	|	0.05	117.250	0.00	0.01	0.010	O	|	|	|	|	0.03
112.250	0.00	0.01	0.014	O	|	|	|	|	0.04	117.333	0.00	0.01	0.010	O	|	|	|	|	0.03

117.417	0.00	0.01	0.010	O	|	|	|	|	0.03	122.500	0.00	0.01	0.007	O	|	|	|	|	0.02
117.500	0.00	0.01	0.010	O	|	|	|	|	0.03	122.583	0.00	0.01	0.007	O	|	|	|	|	0.02
117.583	0.00	0.01	0.009	O	|	|	|	|	0.03	122.667	0.00	0.01	0.007	O	|	|	|	|	0.02
117.667	0.00	0.01	0.009	O	|	|	|	|	0.03	122.750	0.00	0.01	0.007	O	|	|	|	|	0.02
117.750	0.00	0.01	0.009	O	|	|	|	|	0.03	122.833	0.00	0.01	0.007	O	|	|	|	|	0.02
117.833	0.00	0.01	0.009	O	|	|	|	|	0.03	122.917	0.00	0.01	0.007	O	|	|	|	|	0.02
117.917	0.00	0.01	0.009	O	|	|	|	|	0.03	123.000	0.00	0.01	0.006	O	|	|	|	|	0.02
118.000	0.00	0.01	0.009	O	|	|	|	|	0.03	123.083	0.00	0.01	0.006	O	|	|	|	|	0.02
118.083	0.00	0.01	0.009	O	|	|	|	|	0.03	123.167	0.00	0.01	0.006	O	|	|	|	|	0.02
118.167	0.00	0.01	0.009	O	|	|	|	|	0.03	123.250	0.00	0.01	0.006	O	|	|	|	|	0.02
118.250	0.00	0.01	0.009	O	|	|	|	|	0.03	123.333	0.00	0.01	0.006	O	|	|	|	|	0.02
118.333	0.00	0.01	0.009	O	|	|	|	|	0.03	123.417	0.00	0.01	0.006	O	|	|	|	|	0.02
118.417	0.00	0.01	0.009	O	|	|	|	|	0.03	123.500	0.00	0.01	0.006	O	|	|	|	|	0.02
118.500	0.00	0.01	0.009	O	|	|	|	|	0.03	123.583	0.00	0.01	0.006	O	|	|	|	|	0.02
118.583	0.00	0.01	0.009	O	|	|	|	|	0.03	123.667	0.00	0.01	0.006	O	|	|	|	|	0.02
118.667	0.00	0.01	0.009	O	|	|	|	|	0.03	123.750	0.00	0.01	0.006	O	|	|	|	|	0.02
118.750	0.00	0.01	0.009	O	|	|	|	|	0.03	123.833	0.00	0.01	0.006	O	|	|	|	|	0.02
118.833	0.00	0.01	0.009	O	|	|	|	|	0.03	123.917	0.00	0.01	0.006	O	|	|	|	|	0.02
118.917	0.00	0.01	0.009	O	|	|	|	|	0.03	124.000	0.00	0.01	0.006	O	|	|	|	|	0.02
119.000	0.00	0.01	0.009	O	|	|	|	|	0.03	124.083	0.00	0.01	0.006	O	|	|	|	|	0.02
119.083	0.00	0.01	0.009	O	|	|	|	|	0.03	124.167	0.00	0.01	0.006	O	|	|	|	|	0.02
119.167	0.00	0.01	0.008	O	|	|	|	|	0.03	124.250	0.00	0.01	0.006	O	|	|	|	|	0.02
119.250	0.00	0.01	0.008	O	|	|	|	|	0.03	124.333	0.00	0.01	0.006	O	|	|	|	|	0.02
119.333	0.00	0.01	0.008	O	|	|	|	|	0.03	124.417	0.00	0.00	0.006	O	|	|	|	|	0.02
119.417	0.00	0.01	0.008	O	|	|	|	|	0.03	124.500	0.00	0.00	0.006	O	|	|	|	|	0.02
119.500	0.00	0.01	0.008	O	|	|	|	|	0.03	124.583	0.00	0.00	0.006	O	|	|	|	|	0.02
119.583	0.00	0.01	0.008	O	|	|	|	|	0.03	124.667	0.00	0.00	0.006	O	|	|	|	|	0.02
119.667	0.00	0.01	0.008	O	|	|	|	|	0.03	124.750	0.00	0.00	0.006	O	|	|	|	|	0.02
119.750	0.00	0.01	0.008	O	|	|	|	|	0.03	124.833	0.00	0.00	0.006	O	|	|	|	|	0.02
119.833	0.00	0.01	0.008	O	|	|	|	|	0.03	124.917	0.00	0.00	0.006	O	|	|	|	|	0.02
119.917	0.00	0.01	0.008	O	|	|	|	|	0.03	125.000	0.00	0.00	0.006	O	|	|	|	|	0.02
120.000	0.00	0.01	0.008	O	|	|	|	|	0.03	125.083	0.00	0.00	0.006	O	|	|	|	|	0.02
120.083	0.00	0.01	0.008	O	|	|	|	|	0.03	125.167	0.00	0.00	0.006	O	|	|	|	|	0.02
120.167	0.00	0.01	0.008	O	|	|	|	|	0.03	125.250	0.00	0.00	0.006	O	|	|	|	|	0.02
120.250	0.00	0.01	0.008	O	|	|	|	|	0.03	125.333	0.00	0.00	0.005	O	|	|	|	|	0.02
120.333	0.00	0.01	0.008	O	|	|	|	|	0.03	125.417	0.00	0.00	0.005	O	|	|	|	|	0.02
120.417	0.00	0.01	0.008	O	|	|	|	|	0.03	125.500	0.00	0.00	0.005	O	|	|	|	|	0.02
120.500	0.00	0.01	0.008	O	|	|	|	|	0.03	125.583	0.00	0.00	0.005	O	|	|	|	|	0.02
120.583	0.00	0.01	0.008	O	|	|	|	|	0.03	125.667	0.00	0.00	0.005	O	|	|	|	|	0.02
120.667	0.00	0.01	0.008	O	|	|	|	|	0.02	125.750	0.00	0.00	0.005	O	|	|	|	|	0.02
120.750	0.00	0.01	0.008	O	|	|	|	|	0.02	125.833	0.00	0.00	0.005	O	|	|	|	|	0.02
120.833	0.00	0.01	0.008	O	|	|	|	|	0.02	125.917	0.00	0.00	0.005	O	|	|	|	|	0.02
120.917	0.00	0.01	0.007	O	|	|	|	|	0.02	126.000	0.00	0.00	0.005	O	|	|	|	|	0.02
121.000	0.00	0.01	0.007	O	|	|	|	|	0.02	126.083	0.00	0.00	0.005	O	|	|	|	|	0.02
121.083	0.00	0.01	0.007	O	|	|	|	|	0.02	126.167	0.00	0.00	0.005	O	|	|	|	|	0.02
121.167	0.00	0.01	0.007	O	|	|	|	|	0.02	126.250	0.00	0.00	0.005	O	|	|	|	|	0.02
121.250	0.00	0.01	0.007	O	|	|	|	|	0.02	126.333	0.00	0.00	0.005	O	|	|	|	|	0.02
121.333	0.00	0.01	0.007	O	|	|	|	|	0.02	126.417	0.00	0.00	0.005	O	|	|	|	|	0.02
121.417	0.00	0.01	0.007	O	|	|	|	|	0.02	126.500	0.00	0.00	0.005	O	|	|	|	|	0.02
121.500	0.00	0.01	0.007	O	|	|	|	|	0.02	126.583	0.00	0.00	0.005	O	|	|	|	|	0.02
121.583	0.00	0.01	0.007	O	|	|	|	|	0.02	126.667	0.00	0.00	0.005	O	|	|	|	|	0.02
121.667	0.00	0.01	0.007	O	|	|	|	|	0.02	126.750	0.00	0.00	0.005	O	|	|	|	|	0.02
121.750	0.00	0.01	0.007	O	|	|	|	|	0.02	126.833	0.00	0.00	0.005	O	|	|	|	|	0.02
121.833	0.00	0.01	0.007	O	|	|	|	|	0.02	126.917	0.00	0.00	0.005	O	|	|	|	|	0.02
121.917	0.00	0.01	0.007	O	|	|	|	|	0.02	127.000	0.00	0.00	0.005	O	|	|	|	|	0.02
122.000	0.00	0.01	0.007	O	|	|	|	|	0.02	127.083	0.00	0.00	0.005	O	|	|	|	|	0.02
122.083	0.00	0.01	0.007	O	|	|	|	|	0.02	127.167	0.00	0.00	0.005	O	|	|	|	|	0.02
122.167	0.00	0.01	0.007	O	|	|	|	|	0.02	127.250	0.00	0.00	0.005	O	|	|	|	|	0.02
122.250	0.00	0.01	0.007	O	|	|	|	|	0.02	127.333	0.00	0.00	0.005	O	|	|	|	|	0.02
122.333	0.00	0.01	0.007	O	|	|	|	|	0.02	127.417	0.00	0.00	0.005	O	|	|	|	|	0.02
122.417	0.00	0.01	0.007	O	|	|	|	|	0.02	127.500	0.00	0.00	0.005	O	|	|	|	|	0.02

127.583	0.00	0.00	0.005	O	|	|	|	|	0.02	132.667	0.00	0.00	0.003	O	|	|	|	|	0.01
127.667	0.00	0.00	0.005	O	|	|	|	|	0.02	132.750	0.00	0.00	0.003	O	|	|	|	|	0.01
127.750	0.00	0.00	0.005	O	|	|	|	|	0.02	132.833	0.00	0.00	0.003	O	|	|	|	|	0.01
127.833	0.00	0.00	0.005	O	|	|	|	|	0.02	132.917	0.00	0.00	0.003	O	|	|	|	|	0.01
127.917	0.00	0.00	0.005	O	|	|	|	|	0.01	133.000	0.00	0.00	0.003	O	|	|	|	|	0.01
128.000	0.00	0.00	0.005	O	|	|	|	|	0.01	133.083	0.00	0.00	0.003	O	|	|	|	|	0.01
128.083	0.00	0.00	0.005	O	|	|	|	|	0.01	133.167	0.00	0.00	0.003	O	|	|	|	|	0.01
128.167	0.00	0.00	0.004	O	|	|	|	|	0.01	133.250	0.00	0.00	0.003	O	|	|	|	|	0.01
128.250	0.00	0.00	0.004	O	|	|	|	|	0.01	133.333	0.00	0.00	0.003	O	|	|	|	|	0.01
128.333	0.00	0.00	0.004	O	|	|	|	|	0.01	133.417	0.00	0.00	0.003	O	|	|	|	|	0.01
128.417	0.00	0.00	0.004	O	|	|	|	|	0.01	133.500	0.00	0.00	0.003	O	|	|	|	|	0.01
128.500	0.00	0.00	0.004	O	|	|	|	|	0.01	133.583	0.00	0.00	0.003	O	|	|	|	|	0.01
128.583	0.00	0.00	0.004	O	|	|	|	|	0.01	133.667	0.00	0.00	0.003	O	|	|	|	|	0.01
128.667	0.00	0.00	0.004	O	|	|	|	|	0.01	133.750	0.00	0.00	0.003	O	|	|	|	|	0.01
128.750	0.00	0.00	0.004	O	|	|	|	|	0.01	133.833	0.00	0.00	0.003	O	|	|	|	|	0.01
128.833	0.00	0.00	0.004	O	|	|	|	|	0.01	133.917	0.00	0.00	0.003	O	|	|	|	|	0.01
128.917	0.00	0.00	0.004	O	|	|	|	|	0.01	134.000	0.00	0.00	0.003	O	|	|	|	|	0.01
129.000	0.00	0.00	0.004	O	|	|	|	|	0.01	134.083	0.00	0.00	0.003	O	|	|	|	|	0.01
129.083	0.00	0.00	0.004	O	|	|	|	|	0.01	134.167	0.00	0.00	0.003	O	|	|	|	|	0.01
129.167	0.00	0.00	0.004	O	|	|	|	|	0.01	134.250	0.00	0.00	0.003	O	|	|	|	|	0.01
129.250	0.00	0.00	0.004	O	|	|	|	|	0.01	134.333	0.00	0.00	0.003	O	|	|	|	|	0.01
129.333	0.00	0.00	0.004	O	|	|	|	|	0.01	134.417	0.00	0.00	0.003	O	|	|	|	|	0.01
129.417	0.00	0.00	0.004	O	|	|	|	|	0.01	134.500	0.00	0.00	0.003	O	|	|	|	|	0.01
129.500	0.00	0.00	0.004	O	|	|	|	|	0.01	134.583	0.00	0.00	0.003	O	|	|	|	|	0.01
129.583	0.00	0.00	0.004	O	|	|	|	|	0.01	134.667	0.00	0.00	0.003	O	|	|	|	|	0.01
129.667	0.00	0.00	0.004	O	|	|	|	|	0.01	134.750	0.00	0.00	0.003	O	|	|	|	|	0.01
129.750	0.00	0.00	0.004	O	|	|	|	|	0.01	134.833	0.00	0.00	0.003	O	|	|	|	|	0.01
129.833	0.00	0.00	0.004	O	|	|	|	|	0.01	134.917	0.00	0.00	0.003	O	|	|	|	|	0.01
129.917	0.00	0.00	0.004	O	|	|	|	|	0.01	135.000	0.00	0.00	0.003	O	|	|	|	|	0.01
130.000	0.00	0.00	0.004	O	|	|	|	|	0.01	135.083	0.00	0.00	0.003	O	|	|	|	|	0.01
130.083	0.00	0.00	0.004	O	|	|	|	|	0.01	135.167	0.00	0.00	0.003	O	|	|	|	|	0.01
130.167	0.00	0.00	0.004	O	|	|	|	|	0.01	135.250	0.00	0.00	0.003	O	|	|	|	|	0.01
130.250	0.00	0.00	0.004	O	|	|	|	|	0.01	135.333	0.00	0.00	0.003	O	|	|	|	|	0.01
130.333	0.00	0.00	0.004	O	|	|	|	|	0.01	135.417	0.00	0.00	0.003	O	|	|	|	|	0.01
130.417	0.00	0.00	0.004	O	|	|	|	|	0.01	135.500	0.00	0.00	0.003	O	|	|	|	|	0.01
130.500	0.00	0.00	0.004	O	|	|	|	|	0.01	135.583	0.00	0.00	0.003	O	|	|	|	|	0.01
130.583	0.00	0.00	0.004	O	|	|	|	|	0.01	135.667	0.00	0.00	0.003	O	|	|	|	|	0.01
130.667	0.00	0.00	0.004	O	|	|	|	|	0.01	135.750	0.00	0.00	0.003	O	|	|	|	|	0.01
130.750	0.00	0.00	0.004	O	|	|	|	|	0.01	135.833	0.00	0.00	0.003	O	|	|	|	|	0.01
130.833	0.00	0.00	0.004	O	|	|	|	|	0.01	135.917	0.00	0.00	0.003	O	|	|	|	|	0.01
130.917	0.00	0.00	0.004	O	|	|	|	|	0.01	136.000	0.00	0.00	0.003	O	|	|	|	|	0.01
131.000	0.00	0.00	0.004	O	|	|	|	|	0.01	136.083	0.00	0.00	0.003	O	|	|	|	|	0.01
131.083	0.00	0.00	0.004	O	|	|	|	|	0.01	136.167	0.00	0.00	0.003	O	|	|	|	|	0.01
131.167	0.00	0.00	0.004	O	|	|	|	|	0.01	136.250	0.00	0.00	0.003	O	|	|	|	|	0.01
131.250	0.00	0.00	0.004	O	|	|	|	|	0.01	136.333	0.00	0.00	0.003	O	|	|	|	|	0.01
131.333	0.00	0.00	0.004	O	|	|	|	|	0.01	136.417	0.00	0.00	0.003	O	|	|	|	|	0.01
131.417	0.00	0.00	0.004	O	|	|	|	|	0.01	136.500	0.00	0.00	0.003	O	|	|	|	|	0.01
131.500	0.00	0.00	0.004	O	|	|	|	|	0.01	136.583	0.00	0.00	0.002	O	|	|	|	|	0.01
131.583	0.00	0.00	0.004	O	|	|	|	|	0.01	136.667	0.00	0.00	0.002	O	|	|	|	|	0.01
131.667	0.00	0.00	0.004	O	|	|	|	|	0.01	136.750	0.00	0.00	0.002	O	|	|	|	|	0.01
131.750	0.00	0.00	0.003	O	|	|	|	|	0.01	136.833	0.00	0.00	0.002	O	|	|	|	|	0.01
131.833	0.00	0.00	0.003	O	|	|	|	|	0.01	136.917	0.00	0.00	0.002	O	|	|	|	|	0.01
131.917	0.00	0.00	0.003	O	|	|	|	|	0.01	137.000	0.00	0.00	0.002	O	|	|	|	|	0.01
132.000	0.00	0.00	0.003	O	|	|	|	|	0.01	137.083	0.00	0.00	0.002	O	|	|	|	|	0.01
132.083	0.00	0.00	0.003	O	|	|	|	|	0.01	137.167	0.00	0.00	0.002	O	|	|	|	|	0.01
132.167	0.00	0.00	0.003	O	|	|	|	|	0.01	137.250	0.00	0.00	0.002	O	|	|	|	|	0.01
132.250	0.00	0.00	0.003	O	|	|	|	|	0.01	137.333	0.00	0.00	0.002	O	|	|	|	|	0.01
132.333	0.00	0.00	0.003	O	|	|	|	|	0.01	137.417	0.00	0.00	0.002	O	|	|	|	|	0.01
132.417	0.00	0.00	0.003	O	|	|	|	|	0.01	137.500	0.00	0.00	0.002	O	|	|	|	|	0.01
132.500	0.00	0.00	0.003	O	|	|	|	|	0.01	137.583	0.00	0.00	0.002	O	|	|	|	|	0.01
132.583	0.00	0.00	0.003	O	|	|	|	|	0.01	137.667	0.00	0.00	0.002	O	|	|	|	|	0.01

137.750	0.00	0.00	0.002	O	|	|	|	|	0.01	142.833	0.00	0.00	0.002	O	|	|	|	|	0.01
137.833	0.00	0.00	0.002	O	|	|	|	|	0.01	142.917	0.00	0.00	0.002	O	|	|	|	|	0.01
137.917	0.00	0.00	0.002	O	|	|	|	|	0.01	143.000	0.00	0.00	0.002	O	|	|	|	|	0.01
138.000	0.00	0.00	0.002	O	|	|	|	|	0.01	143.083	0.00	0.00	0.002	O	|	|	|	|	0.01
138.083	0.00	0.00	0.002	O	|	|	|	|	0.01	143.167	0.00	0.00	0.002	O	|	|	|	|	0.01
138.167	0.00	0.00	0.002	O	|	|	|	|	0.01	143.250	0.00	0.00	0.002	O	|	|	|	|	0.01
138.250	0.00	0.00	0.002	O	|	|	|	|	0.01	143.333	0.00	0.00	0.002	O	|	|	|	|	0.01
138.333	0.00	0.00	0.002	O	|	|	|	|	0.01	143.417	0.00	0.00	0.002	O	|	|	|	|	0.01
138.417	0.00	0.00	0.002	O	|	|	|	|	0.01	143.500	0.00	0.00	0.002	O	|	|	|	|	0.01
138.500	0.00	0.00	0.002	O	|	|	|	|	0.01	143.583	0.00	0.00	0.002	O	|	|	|	|	0.00
138.583	0.00	0.00	0.002	O	|	|	|	|	0.01	143.667	0.00	0.00	0.002	O	|	|	|	|	0.00
138.667	0.00	0.00	0.002	O	|	|	|	|	0.01	143.750	0.00	0.00	0.002	O	|	|	|	|	0.00
138.750	0.00	0.00	0.002	O	|	|	|	|	0.01	143.833	0.00	0.00	0.001	O	|	|	|	|	0.00
138.833	0.00	0.00	0.002	O	|	|	|	|	0.01	143.917	0.00	0.00	0.001	O	|	|	|	|	0.00
138.917	0.00	0.00	0.002	O	|	|	|	|	0.01	144.000	0.00	0.00	0.001	O	|	|	|	|	0.00
139.000	0.00	0.00	0.002	O	|	|	|	|	0.01	144.083	0.00	0.00	0.001	O	|	|	|	|	0.00
139.083	0.00	0.00	0.002	O	|	|	|	|	0.01	144.167	0.00	0.00	0.001	O	|	|	|	|	0.00
139.167	0.00	0.00	0.002	O	|	|	|	|	0.01	144.250	0.00	0.00	0.001	O	|	|	|	|	0.00
139.250	0.00	0.00	0.002	O	|	|	|	|	0.01	144.333	0.00	0.00	0.001	O	|	|	|	|	0.00
139.333	0.00	0.00	0.002	O	|	|	|	|	0.01	144.417	0.00	0.00	0.001	O	|	|	|	|	0.00
139.417	0.00	0.00	0.002	O	|	|	|	|	0.01	144.500	0.00	0.00	0.001	O	|	|	|	|	0.00
139.500	0.00	0.00	0.002	O	|	|	|	|	0.01	144.583	0.00	0.00	0.001	O	|	|	|	|	0.00
139.583	0.00	0.00	0.002	O	|	|	|	|	0.01	144.667	0.00	0.00	0.001	O	|	|	|	|	0.00
139.667	0.00	0.00	0.002	O	|	|	|	|	0.01	144.750	0.00	0.00	0.001	O	|	|	|	|	0.00
139.750	0.00	0.00	0.002	O	|	|	|	|	0.01	144.833	0.00	0.00	0.001	O	|	|	|	|	0.00
139.833	0.00	0.00	0.002	O	|	|	|	|	0.01	144.917	0.00	0.00	0.001	O	|	|	|	|	0.00
139.917	0.00	0.00	0.002	O	|	|	|	|	0.01	145.000	0.00	0.00	0.001	O	|	|	|	|	0.00
140.000	0.00	0.00	0.002	O	|	|	|	|	0.01	145.083	0.00	0.00	0.001	O	|	|	|	|	0.00
140.083	0.00	0.00	0.002	O	|	|	|	|	0.01	145.167	0.00	0.00	0.001	O	|	|	|	|	0.00
140.167	0.00	0.00	0.002	O	|	|	|	|	0.01	145.250	0.00	0.00	0.001	O	|	|	|	|	0.00
140.250	0.00	0.00	0.002	O	|	|	|	|	0.01	145.333	0.00	0.00	0.001	O	|	|	|	|	0.00
140.333	0.00	0.00	0.002	O	|	|	|	|	0.01	145.417	0.00	0.00	0.001	O	|	|	|	|	0.00
140.417	0.00	0.00	0.002	O	|	|	|	|	0.01	145.500	0.00	0.00	0.001	O	|	|	|	|	0.00
140.500	0.00	0.00	0.002	O	|	|	|	|	0.01	145.583	0.00	0.00	0.001	O	|	|	|	|	0.00
140.583	0.00	0.00	0.002	O	|	|	|	|	0.01	145.667	0.00	0.00	0.001	O	|	|	|	|	0.00
140.667	0.00	0.00	0.002	O	|	|	|	|	0.01	145.750	0.00	0.00	0.001	O	|	|	|	|	0.00
140.750	0.00	0.00	0.002	O	|	|	|	|	0.01	145.833	0.00	0.00	0.001	O	|	|	|	|	0.00
140.833	0.00	0.00	0.002	O	|	|	|	|	0.01	145.917	0.00	0.00	0.001	O	|	|	|	|	0.00
140.917	0.00	0.00	0.002	O	|	|	|	|	0.01	146.000	0.00	0.00	0.001	O	|	|	|	|	0.00
141.000	0.00	0.00	0.002	O	|	|	|	|	0.01	146.083	0.00	0.00	0.001	O	|	|	|	|	0.00
141.083	0.00	0.00	0.002	O	|	|	|	|	0.01	146.167	0.00	0.00	0.001	O	|	|	|	|	0.00
141.167	0.00	0.00	0.002	O	|	|	|	|	0.01	146.250	0.00	0.00	0.001	O	|	|	|	|	0.00
141.250	0.00	0.00	0.002	O	|	|	|	|	0.01	146.333	0.00	0.00	0.001	O	|	|	|	|	0.00
141.333	0.00	0.00	0.002	O	|	|	|	|	0.01	146.417	0.00	0.00	0.001	O	|	|	|	|	0.00
141.417	0.00	0.00	0.002	O	|	|	|	|	0.01	146.500	0.00	0.00	0.001	O	|	|	|	|	0.00
141.500	0.00	0.00	0.002	O	|	|	|	|	0.01	146.583	0.00	0.00	0.001	O	|	|	|	|	0.00
141.583	0.00	0.00	0.002	O	|	|	|	|	0.01	146.667	0.00	0.00	0.001	O	|	|	|	|	0.00
141.667	0.00	0.00	0.002	O	|	|	|	|	0.01	146.750	0.00	0.00	0.001	O	|	|	|	|	0.00
141.750	0.00	0.00	0.002	O	|	|	|	|	0.01	146.833	0.00	0.00	0.001	O	|	|	|	|	0.00
141.833	0.00	0.00	0.002	O	|	|	|	|	0.01	146.917	0.00	0.00	0.001	O	|	|	|	|	0.00
141.917	0.00	0.00	0.002	O	|	|	|	|	0.01	147.000	0.00	0.00	0.001	O	|	|	|	|	0.00
142.000	0.00	0.00	0.002	O	|	|	|	|	0.01	147.083	0.00	0.00	0.001	O	|	|	|	|	0.00
142.083	0.00	0.00	0.002	O	|	|	|	|	0.01	147.167	0.00	0.00	0.001	O	|	|	|	|	0.00
142.167	0.00	0.00	0.002	O	|	|	|	|	0.01	147.250	0.00	0.00	0.001	O	|	|	|	|	0.00
142.250	0.00	0.00	0.002	O	|	|	|	|	0.01	147.333	0.00	0.00	0.001	O	|	|	|	|	0.00
142.333	0.00	0.00	0.002	O	|	|	|	|	0.01										
142.417	0.00	0.00	0.002	O	|	|	|	|	0.01										
142.500	0.00	0.00	0.002	O	|	|	|	|	0.01										
142.583	0.00	0.00	0.002	O	|	|	|	|	0.01										
142.667	0.00	0.00	0.002	O	|	|	|	|	0.01										
142.750	0.00	0.00	0.002	O	|	|	|	|	0.01										

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

```
                    Number of intervals =  1768
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       64.183 (CFS)
                    Total volume =      42.372 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      3.000     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)     6.076     0.000     0.000     0.000     0.000
      ************************************************************************


      ------------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        5.300 to Point/Station        5.300
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ________________________________________________________________________
      From stored stream number 1 the total
      volume of       6.08 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       P R I N T  O F  S T O R M
                    R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

      ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       16.8      33.6      50.4      67.2
----------------------------------------------------------------------------
  0+ 5       0.0125      0.01  Q         |         |         |         |
  0+10       0.1088      0.11  Q         |         |         |         |
  0+15       0.3243      0.33  Q         |         |         |         |
  0+20       0.6044      0.61  Q         |         |         |         |
  0+25       0.9346      0.95  Q         |         |         |         |
  0+30       1.3140      1.33  Q         |         |         |         |
  0+35       1.7034      1.72  |Q        |         |         |         |
  0+40       2.0749      2.10  |Q        |         |         |         |
  0+45       2.4200      2.45  |Q        |         |         |         |
  0+50       2.7420      2.78  |Q        |         |         |         |
  0+55       3.0000      3.04  |Q        |         |         |         |
  1+ 0       3.0000      3.05  |Q        |         |         |         |
  1+ 5       3.0000      3.05  |Q        |         |         |         |
  1+10       3.0000      3.06  |Q        |         |         |         |
  1+15       3.0000      3.07  |Q        |         |         |         |
  1+20       3.0000      3.08  |Q        |         |         |         |
  1+25       3.0000      3.08  |Q        |         |         |         |
  1+30       3.0000      3.09  |Q        |         |         |         |
  1+35       3.0000      3.10  |Q        |         |         |         |
  1+40       3.0000      3.11  |Q        |         |         |         |
  1+45       3.0000      3.12  |Q        |         |         |         |
  1+50       3.0000      3.13  |Q        |         |         |         |
  1+55       3.0000      3.14  |Q        |         |         |         |
  2+ 0       3.0000      3.15  |Q        |         |         |         |
  2+ 5       3.0000      3.16  |Q        |         |         |         |
  2+10       3.0000      3.18  |Q        |         |         |         |
  2+15       3.0000      3.19  |Q        |         |         |         |
  2+20       3.0000      3.20  |Q        |         |         |         |
  2+25       3.0000      3.22  |Q        |         |         |         |
  2+30       3.0000      3.23  |Q        |         |         |         |
  2+35       3.0000      3.25  |Q        |         |         |         |
  2+40       3.0000      3.27  |Q        |         |         |         |
  2+45       3.0000      3.31  |Q        |         |         |         |
  2+50       3.0000      3.35  |Q        |         |         |         |
  2+55       3.0000      3.40  |qQ       |         |         |         |
  3+ 0       3.0000      3.44  |qQ       |         |         |         |
  3+ 5       3.0000      3.49  |qQ       |         |         |         |
  3+10       3.0000      3.53  |qQ       |         |         |         |
  3+15       3.0000      3.58  |qQ       |         |         |         |
  3+20       3.0000      3.62  |qQ       |         |         |         |
  3+25       3.0000      3.67  |qQ       |         |         |         |
  3+30       3.0000      3.71  |qQ       |         |         |         |
  3+35       3.0000      3.76  |qQ       |         |         |         |
  3+40       3.0000      3.81  |qQ       |         |         |         |
  3+45       3.0000      3.86  |qQ       |         |         |         |
  3+50       3.0000      3.90  |qQ       |         |         |         |
  3+55       3.0000      3.95  |qQ       |         |         |         |
  4+ 0       3.0000      4.01  |qQ       |         |         |         |
  4+ 5       3.0000      4.06  |qQ       |         |         |         |
  4+10       3.0000      4.10  |qQ       |         |         |         |
  4+15       3.0000      4.13  |qQ       |         |         |         |
  4+20       3.0000      4.15  |qQ       |         |         |         |
  4+25       3.0000      4.18  |qQ       |         |         |         |
  4+30       3.0000      4.20  |qQ       |         |         |         |
  4+35       3.0000      4.23  |qQ       |         |         |         |
  4+40       3.0000      4.25  |qQ       |         |         |         |
  4+45       3.0000      4.28  |qQ       |         |         |         |
  4+50       3.0000      4.31  |qQ       |         |         |         |
  4+55       3.0000      4.34  |qQ       |         |         |         |
  5+ 0       3.0000      4.37  |qQ       |         |         |         |
  5+ 5       3.0000      4.40  |qQ       |         |         |         |
  5+10       3.0000      4.42  |qQ       |         |         |         |
  5+15       3.0000      4.45  |qQ       |         |         |         |
  5+20       3.0000      4.48  |qQ       |         |         |         |
  5+25       3.0000      4.51  |qQ       |         |         |         |
  5+30       3.0000      4.54  |qQ       |         |         |         |
  5+35       3.0000      4.56  |qQ       |         |         |         |
  5+40       3.0000      4.58  |qQ       |         |         |         |
  5+45       3.0000      4.60  |qQ       |         |         |         |
  5+50       3.0000      4.62  |qQ       |         |         |         |
  5+55       3.0000      4.64  |qQ       |         |         |         |
  6+ 0       3.0000      4.66  |qQ       |         |         |         |
  6+ 5       3.0000      4.69  |qQ       |         |         |         |
  6+10       3.0000      4.71  |qQ       |         |         |         |
  6+15       3.0000      4.73  |qQ       |         |         |         |
  6+20       3.0000      4.75  |qQ       |         |         |         |
  6+25       3.0000      4.77  |qQ       |         |         |         |
  6+30       3.0000      4.80  |qQ       |         |         |         |
  6+35       3.0000      4.82  |qQ       |         |         |         |
  6+40       3.0000      4.84  |qQ       |         |         |         |
  6+45       3.0000      4.87  |qQ       |         |         |         |
  6+50       3.0000      4.89  |qQ       |         |         |         |
  6+55       3.0000      4.92  |qQ       |         |         |         |
  7+ 0       3.0000      4.94  |qQ       |         |         |         |
  7+ 5       3.0000      4.95  |qQ       |         |         |         |
  7+10       3.0000      4.97  |qQ       |         |         |         |
  7+15       3.0000      4.99  |qQ       |         |         |         |
  7+20       3.0000      5.00  |qQ       |         |         |         |
  7+25       3.0000      5.02  |qQ       |         |         |         |
  7+30       3.0000      5.04  |q Q      |         |         |         |
  7+35       3.0000      5.06  |q Q      |         |         |         |
  7+40       3.0000      5.08  |q Q      |         |         |         |
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 7+45      3.0000      5.10  |q Q      |          |          |          |          |          |          |          |          |          |
 7+50      3.0000      5.12  |q Q      |          |          |          |          |          |          |          |          |          |
 7+55      3.0000      5.14  |q Q      |          |          |          |          |          |          |          |          |          |
 8+ 0      3.0000      5.16  |q Q      |          |          |          |          |          |          |          |          |          |
 8+ 5      3.0000      5.18  |q Q      |          |          |          |          |          |          |          |          |          |
 8+10      3.0000      5.20  |q Q      |          |          |          |          |          |          |          |          |          |
 8+15      3.0000      5.22  |q Q      |          |          |          |          |          |          |          |          |          |
 8+20      3.0000      5.24  |q Q      |          |          |          |          |          |          |          |          |          |
 8+25      3.0000      5.26  |q Q      |          |          |          |          |          |          |          |          |          |
 8+30      3.0000      5.28  |q Q      |          |          |          |          |          |          |          |          |          |
 8+35      3.0000      5.30  |q Q      |          |          |          |          |          |          |          |          |          |
 8+40      3.0000      5.31  |q Q      |          |          |          |          |          |          |          |          |          |
 8+45      3.0000      5.33  |q Q      |          |          |          |          |          |          |          |          |          |
 8+50      3.0000      5.35  |q Q      |          |          |          |          |          |          |          |          |          |
 8+55      3.0000      5.37  |q Q      |          |          |          |          |          |          |          |          |          |
 9+ 0      3.0000      5.39  |q Q      |          |          |          |          |          |          |          |          |          |
 9+ 5      3.0000      5.42  |q Q      |          |          |          |          |          |          |          |          |          |
 9+10      3.0000      5.44  |q Q      |          |          |          |          |          |          |          |          |          |
 9+15      3.0000      5.46  |q Q      |          |          |          |          |          |          |          |          |          |
 9+20      3.0000      5.48  |q Q      |          |          |          |          |          |          |          |          |          |
 9+25      3.0000      5.50  |q Q      |          |          |          |          |          |          |          |          |          |
 9+30      3.0000      5.52  |q Q      |          |          |          |          |          |          |          |          |          |
 9+35      3.0000      5.54  |q Q      |          |          |          |          |          |          |          |          |          |
 9+40      3.0000      5.56  |q Q      |          |          |          |          |          |          |          |          |          |
 9+45      3.0000      5.58  |q Q      |          |          |          |          |          |          |          |          |          |
 9+50      3.0000      5.61  |q Q      |          |          |          |          |          |          |          |          |          |
 9+55      3.0000      5.63  |q Q      |          |          |          |          |          |          |          |          |          |
10+ 0      3.0000      5.66  |q Q      |          |          |          |          |          |          |          |          |          |
10+ 5      3.0000      5.68  |q Q      |          |          |          |          |          |          |          |          |          |
10+10      3.0000      5.70  |q Q      |          |          |          |          |          |          |          |          |          |
10+15      3.0000      5.72  |q Q      |          |          |          |          |          |          |          |          |          |
10+20      3.0000      5.74  |q Q      |          |          |          |          |          |          |          |          |          |
10+25      3.0000      5.76  |q Q      |          |          |          |          |          |          |          |          |          |
10+30      3.0000      5.78  |q Q      |          |          |          |          |          |          |          |          |          |
10+35      3.0000      5.80  |q Q      |          |          |          |          |          |          |          |          |          |
10+40      3.0000      5.82  |q Q      |          |          |          |          |          |          |          |          |          |
10+45      3.0000      5.84  |q Q      |          |          |          |          |          |          |          |          |          |
10+50      3.0000      5.86  |q Q      |          |          |          |          |          |          |          |          |          |
10+55      3.0000      5.88  |q Q      |          |          |          |          |          |          |          |          |          |
11+ 0      3.0000      5.90  |q Q      |          |          |          |          |          |          |          |          |          |
11+ 5      3.0000      6.21  |q Q      |          |          |          |          |          |          |          |          |          |
11+10      3.0000      7.31  |q  Q     |          |          |          |          |          |          |          |          |          |
11+15      3.0000      8.34  |q  Q     |          |          |          |          |          |          |          |          |          |
11+20      3.0000      9.32  |q   Q    |          |          |          |          |          |          |          |          |          |
11+25      3.0000     10.24  |q    Q   |          |          |          |          |          |          |          |          |          |
11+30      3.0000     11.12  |q    Q   |          |          |          |          |          |          |          |          |          |
11+35      3.0000     12.03  |q     Q  |          |          |          |          |          |          |          |          |          |
11+40      3.0000     13.15  |q     Q  |          |          |          |          |          |          |          |          |          |
11+45      3.0000     14.49  |q      Q |          |          |          |          |          |          |          |          |          |
11+50      3.0000     15.95  |q       Q|          |          |          |          |          |          |          |          |          |
11+55      3.0000     17.46  |q        Q          |          |          |          |          |          |          |          |          |
12+ 0      3.0000     18.65  |q        |Q         |          |          |          |          |          |          |          |          |
12+ 5      3.0000     19.58  |q        |Q         |          |          |          |          |          |          |          |          |
12+10      3.0000     20.59  |q        | Q        |          |          |          |          |          |          |          |          |
12+15      3.0000     21.69  |q        | Q        |          |          |          |          |          |          |          |          |
12+20      3.0000     22.87  |q        |  Q       |          |          |          |          |          |          |          |          |
12+25      3.0000     24.14  |q        |   Q      |          |          |          |          |          |          |          |          |
12+30      3.0000     25.47  |q        |    Q     |          |          |          |          |          |          |          |          |
12+35      3.0000     27.24  |q        |     Q    |          |          |          |          |          |          |          |          |
12+40      3.0000     29.43  |q        |      Q   |          |          |          |          |          |          |          |          |
12+45      3.0000     31.61  |q        |       Q  |          |          |          |          |          |          |          |          |
12+50      3.0000     33.78  |q        |          Q          |          |          |          |          |          |          |          |
12+55      3.0000     35.92  |q        |          |Q         |          |          |          |          |          |          |          |
13+ 0      3.0000     38.02  |q        |          | Q        |          |          |          |          |          |          |          |
13+ 5      3.0000     40.08  |q        |          |  Q       |          |          |          |          |          |          |          |
13+10      3.0000     41.41  |q        |          |   Q      |          |          |          |          |          |          |          |
13+15      3.0000     42.78  |q        |          |    Q     |          |          |          |          |          |          |          |
13+20      3.0000     44.20  |q        |          |     Q    |          |          |          |          |          |          |          |
13+25      3.0000     45.66  |q        |          |      Q   |          |          |          |          |          |          |          |
13+30      3.0000     47.13  |q        |          |       Q  |          |          |          |          |          |          |          |
13+35      3.0000     48.56  |q        |          |       Q  |          |          |          |          |          |          |          |
13+40      3.0000     51.69  |q        |          |          Q          |          |          |          |          |          |          |
13+45      3.0000     58.12  |q        |          |          |   Q      |          |          |          |          |          |          |
13+50      3.0000     62.14  |q        |          |          |     Q    |          |          |          |          |          |          |
13+55      3.0000     64.34  |q        |          |          |       Q  |          |          |          |          |          |          |
14+ 0      3.0000     65.27  |q        |          |          |        Q |          |          |          |          |          |          |
14+ 5      3.0000     65.50  |q        |          |          |        Q |          |          |          |          |          |          |
14+10      3.0000     65.50  |q        |          |          |        Q |          |          |          |          |          |          |
14+15      3.0000     65.54  |q        |          |          |         Q|          |          |          |          |          |          |
14+20      3.0000     65.70  |q        |          |          |         Q|          |          |          |          |          |          |
14+25      3.0000     65.96  |q        |          |          |         Q|          |          |          |          |          |          |
14+30      3.0000     66.26  |q        |          |          |         Q|          |          |          |          |          |          |
14+35      3.0000     66.54  |q        |          |          |         Q|          |          |          |          |          |          |
14+40      3.0000     66.79  |q        |          |          |         Q|          |          |          |          |          |          |
14+45      3.0000     66.99  |q        |          |          |         Q|          |          |          |          |          |          |
14+50      3.0000     67.13  |q        |          |          |         Q|          |          |          |          |          |          |
14+55      3.0000     67.18  |q        |          |          |          Q          |          |          |          |          |          |
15+ 0      3.0000     67.14  |q        |          |          |         Q|          |          |          |          |          |          |
15+ 5      3.0000     66.99  |q        |          |          |         Q|          |          |          |          |          |          |
15+10      3.0000     66.73  |q        |          |          |         Q|          |          |          |          |          |          |
15+15      3.0000     66.36  |q        |          |          |         Q|          |          |          |          |          |          |
15+20      3.0000     65.92  |q        |          |          |         Q|          |          |          |          |          |          |
15+25      3.0000     65.38  |q        |          |          |        Q |          |          |          |          |          |          |
15+30      3.0000     64.79  |q        |          |          |        Q |          |          |          |          |          |          |
15+35      3.0000     64.07  |q        |          |          |        Q |          |          |          |          |          |          |
15+40      3.0000     63.12  |q        |          |          |       Q  |          |          |          |          |          |          |
15+45      3.0000     61.94  |q        |          |          |     Q    |          |          |          |          |          |          |
15+50      3.0000     60.56  |q        |          |          |     Q    |          |          |          |          |          |          |
15+55      3.0000     59.10  |q        |          |          |    Q     |          |          |          |          |          |          |
16+ 0      3.0000     57.64  |q        |          |          |   Q      |          |          |          |          |          |          |
16+ 5      3.0000     55.96  |q        |          |          |  Q       |          |          |          |          |          |          |
16+10      3.0000     53.56  |q        |          |          |Q         |          |          |          |          |          |          |
16+15      3.0000     50.29  |q        |          |         Q|          |          |          |          |          |          |          |
16+20      3.0000     48.98  |q        |          |         Q|          |          |          |          |          |          |          |
16+25      3.0000     48.15  |q        |          |        Q |          |          |          |          |          |          |          |
16+30      3.0000     47.15  |q        |          |        Q |          |          |          |          |          |          |          |
16+35      3.0000     46.10  |q        |          |       Q  |          |          |          |          |          |          |          |
16+40      3.0000     45.06  |q        |          |      Q   |          |          |          |          |          |          |          |
16+45      3.0000     44.05  |q        |          |      Q   |          |          |          |          |          |          |          |
16+50      3.0000     43.08  |q        |          |     Q    |          |          |          |          |          |          |          |
16+55      3.0000     42.15  |q        |          |     Q    |          |          |          |          |          |          |          |
17+ 0      3.0000     41.24  |q        |          |    Q     |          |          |          |          |          |          |          |
17+ 5      3.0000     40.37  |q        |          |    Q     |          |          |          |          |          |          |          |
17+10      3.0000     39.25  |q        |          |   Q      |          |          |          |          |          |          |          |
17+15      3.0000     38.02  |q        |          | Q        |          |          |          |          |          |          |          |
17+20      3.0000     36.85  |q        |          |Q         |          |          |          |          |          |          |          |
17+25      3.0000     35.75  |q        |          |Q         |          |          |          |          |          |          |          |
17+30      3.0000     34.72  |q        |          Q          |          |          |          |          |          |          |          |
17+35      3.0000     33.74  |q        |          Q          |          |          |          |          |          |          |          |
17+40      3.0000     32.82  |q        |         Q|          |          |          |          |          |          |          |          |
17+45      3.0000     31.95  |q        |         Q|          |          |          |          |          |          |          |          |
17+50      3.0000     31.13  |q        |        Q |          |          |          |          |          |          |          |          |
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17+55	3.0000	30.35	|q	|	Q |	|	|	|	23+ 0	3.0000	13.76	|q	Q |	|	|	|	|
18+ 0	3.0000	29.61	|q	|	Q |	|	|	|	23+ 5	3.0000	13.61	|q	Q |	|	|	|	|
18+ 5	3.0000	28.91	|q	|	Q |	|	|	|	23+10	3.0000	13.47	|q	Q |	|	|	|	|
18+10	3.0000	28.25	|q	|	Q |	|	|	|	23+15	3.0000	13.34	|q	Q |	|	|	|	|
18+15	3.0000	27.62	|q	|	Q |	|	|	|	23+20	3.0000	13.21	|q	Q |	|	|	|	|
18+20	3.0000	27.03	|q	|	Q |	|	|	|	23+25	3.0000	13.09	|q	Q |	|	|	|	|
18+25	3.0000	26.47	|q	|	Q |	|	|	|	23+30	3.0000	12.98	|q	Q |	|	|	|	|
18+30	3.0000	26.01	|q	|	Q |	|	|	|	23+35	3.0000	12.88	|q	Q |	|	|	|	|
18+35	3.0000	25.69	|q	|	Q |	|	|	|	23+40	3.0000	12.77	|q	Q |	|	|	|	|
18+40	3.0000	25.37	|q	|	Q |	|	|	|	23+45	3.0000	12.68	|q	Q |	|	|	|	|
18+45	3.0000	25.06	|q	|	Q |	|	|	|	23+50	3.0000	12.59	|q	Q |	|	|	|	|
18+50	3.0000	24.75	|q	|	Q |	|	|	|	23+55	3.0000	12.50	|q	Q |	|	|	|	|
18+55	3.0000	24.45	|q	|	Q |	|	|	|	24+ 0	3.0000	12.42	|q	Q |	|	|	|	|
19+ 0	3.0000	24.15	|q	|	Q |	|	|	|	24+ 5	3.0000	12.33	|q	Q |	|	|	|	|
19+ 5	3.0000	23.86	|q	|	Q |	|	|	|	24+10	3.0000	12.23	|q	Q |	|	|	|	|
19+10	3.0000	23.58	|q	|	Q |	|	|	|	24+15	3.0000	12.13	|q	Q |	|	|	|	|
19+15	3.0000	23.32	|q	| Q |	|	|	|	24+20	3.0000	12.03	|q	Q |	|	|	|	|
19+20	3.0000	23.06	|q	| Q |	|	|	|	24+25	3.0000	11.94	|q	Q |	|	|	|	|
19+25	3.0000	22.81	|q	| Q |	|	|	|	24+30	3.0000	11.85	|q	Q |	|	|	|	|
19+30	3.0000	22.57	|q	| Q |	|	|	|	24+35	3.0000	11.76	|q	Q |	|	|	|	|
19+35	3.0000	22.33	|q	| Q |	|	|	|	24+40	3.0000	11.68	|q	Q |	|	|	|	|
19+40	3.0000	22.10	|q	| Q |	|	|	|	24+45	3.0000	11.60	|q	Q |	|	|	|	|
19+45	3.0000	21.87	|q	| Q |	|	|	|	24+50	3.0000	11.52	|q	Q |	|	|	|	|
19+50	3.0000	21.64	|q	| Q |	|	|	|	24+55	3.0000	11.44	|q	Q |	|	|	|	|
19+55	3.0000	21.41	|q	| Q |	|	|	|	25+ 0	3.0000	11.37	|q	Q |	|	|	|	|
20+ 0	3.0000	21.19	|q	| Q |	|	|	|	25+ 5	0.0000	8.30	q	Q |	|	|	|	|
20+ 5	3.0000	20.97	|q	| Q |	|	|	|	25+10	0.0000	8.23	q	Q |	|	|	|	|
20+10	3.0000	20.76	|q	| Q |	|	|	|	25+15	0.0000	8.16	q	Q |	|	|	|	|
20+15	3.0000	20.56	|q	| Q |	|	|	|	25+20	0.0000	8.09	q	Q |	|	|	|	|
20+20	3.0000	20.36	|q	| Q |	|	|	|	25+25	0.0000	8.03	q	Q |	|	|	|	|
20+25	3.0000	20.16	|q	| Q |	|	|	|	25+30	0.0000	7.97	q	Q |	|	|	|	|
20+30	3.0000	19.97	|q	|Q |	|	|	|	25+35	0.0000	7.91	q	Q |	|	|	|	|
20+35	3.0000	19.79	|q	|Q |	|	|	|	25+40	0.0000	7.85	q	Q |	|	|	|	|
20+40	3.0000	19.60	|q	|Q |	|	|	|	25+45	0.0000	7.79	q	Q |	|	|	|	|
20+45	3.0000	19.42	|q	|Q |	|	|	|	25+50	0.0000	7.73	q	Q |	|	|	|	|
20+50	3.0000	19.24	|q	|Q |	|	|	|	25+55	0.0000	7.68	q	Q |	|	|	|	|
20+55	3.0000	19.06	|q	|Q |	|	|	|	26+ 0	0.0000	7.62	q	Q |	|	|	|	|
21+ 0	3.0000	18.87	|q	|Q |	|	|	|	26+ 5	0.0000	7.57	q	Q |	|	|	|	|
21+ 5	3.0000	18.69	|q	|Q |	|	|	|	26+10	0.0000	7.51	q	Q |	|	|	|	|
21+10	3.0000	18.51	|q	|Q |	|	|	|	26+15	0.0000	7.46	q	Q |	|	|	|	|
21+15	3.0000	18.33	|q	Q |	|	|	|	26+20	0.0000	7.41	q	Q |	|	|	|	|
21+20	3.0000	18.16	|q	Q |	|	|	|	26+25	0.0000	7.36	q	Q |	|	|	|	|
21+25	3.0000	17.86	|q	Q |	|	|	|	26+30	0.0000	7.31	q	Q |	|	|	|	|
21+30	3.0000	17.57	|q	Q |	|	|	|	26+35	0.0000	7.26	q	Q |	|	|	|	|
21+35	3.0000	17.30	|q	Q |	|	|	|	26+40	0.0000	7.21	q	Q |	|	|	|	|
21+40	3.0000	17.04	|q	Q |	|	|	|	26+45	0.0000	7.16	q	Q |	|	|	|	|
21+45	3.0000	16.79	|q	Q|	|	|	|	26+50	0.0000	7.11	q	Q |	|	|	|	|
21+50	3.0000	16.55	|q	Q|	|	|	|	26+55	0.0000	7.06	q	Q |	|	|	|	|
21+55	3.0000	16.31	|q	Q|	|	|	|	27+ 0	0.0000	7.01	q	Q |	|	|	|	|
22+ 0	3.0000	16.07	|q	Q|	|	|	|	27+ 5	0.0000	6.96	q	Q |	|	|	|	|
22+ 5	3.0000	15.84	|q	Q|	|	|	|	27+10	0.0000	6.92	q	Q |	|	|	|	|
22+10	3.0000	15.62	|q	Q|	|	|	|	27+15	0.0000	6.87	q	Q |	|	|	|	|
22+15	3.0000	15.42	|q	Q|	|	|	|	27+20	0.0000	6.82	q	Q |	|	|	|	|
22+20	3.0000	15.22	|q	Q|	|	|	|	27+25	0.0000	6.77	q	Q |	|	|	|	|
22+25	3.0000	15.02	|q	Q |	|	|	|	27+30	0.0000	6.73	q	Q |	|	|	|	|
22+30	3.0000	14.82	|q	Q |	|	|	|	27+35	0.0000	6.68	q	Q |	|	|	|	|
22+35	3.0000	14.62	|q	Q |	|	|	|	27+40	0.0000	6.63	q	Q |	|	|	|	|
22+40	3.0000	14.43	|q	Q |	|	|	|	27+45	0.0000	6.58	q	Q |	|	|	|	|
22+45	3.0000	14.25	|q	Q |	|	|	|	27+50	0.0000	6.53	q	Q |	|	|	|	|
22+50	3.0000	14.08	|q	Q |	|	|	|	27+55	0.0000	6.49	q	Q |	|	|	|	|
22+55	3.0000	13.91	|q	Q |	|	|	|	28+ 0	0.0000	6.44	q	Q |	|	|	|	|

28+ 5	0.0000	6.39	q	Q					33+10	0.0000	2.90	qQ				
28+10	0.0000	6.34	q	Q					33+15	0.0000	2.90	qQ				
28+15	0.0000	6.29	q	Q					33+20	0.0000	2.90	qQ				
28+20	0.0000	6.24	q	Q					33+25	0.0000	2.90	qQ				
28+25	0.0000	6.20	q	Q					33+30	0.0000	2.89	qQ				
28+30	0.0000	6.15	q	Q					33+35	0.0000	2.89	qQ				
28+35	0.0000	6.10	q	Q					33+40	0.0000	2.88	qQ				
28+40	0.0000	6.05	q	Q					33+45	0.0000	2.88	qQ				
28+45	0.0000	6.00	q	Q					33+50	0.0000	2.88	qQ				
28+50	0.0000	5.95	q	Q					33+55	0.0000	2.87	qQ				
28+55	0.0000	5.90	q	Q					34+ 0	0.0000	2.87	qQ				
29+ 0	0.0000	5.85	q	Q					34+ 5	0.0000	2.87	qQ				
29+ 5	0.0000	5.79	q	Q					34+10	0.0000	2.86	qQ				
29+10	0.0000	5.74	q	Q					34+15	0.0000	2.86	qQ				
29+15	0.0000	5.69	q	Q					34+20	0.0000	2.86	qQ				
29+20	0.0000	5.64	q	Q					34+25	0.0000	2.85	qQ				
29+25	0.0000	5.58	q	Q					34+30	0.0000	2.85	qQ				
29+30	0.0000	5.53	q	Q					34+35	0.0000	2.84	qQ				
29+35	0.0000	5.47	q	Q					34+40	0.0000	2.84	qQ				
29+40	0.0000	5.42	q	Q					34+45	0.0000	2.84	qQ				
29+45	0.0000	5.37	q	Q					34+50	0.0000	2.83	qQ				
29+50	0.0000	5.31	q	Q					34+55	0.0000	2.83	qQ				
29+55	0.0000	5.25	q	Q					35+ 0	0.0000	2.83	qQ				
30+ 0	0.0000	5.20	q	Q					35+ 5	0.0000	2.82	qQ				
30+ 5	0.0000	5.14	q	Q					35+10	0.0000	2.82	qQ				
30+10	0.0000	5.08	q	Q					35+15	0.0000	2.82	qQ				
30+15	0.0000	5.02	q	Q					35+20	0.0000	2.81	qQ				
30+20	0.0000	4.95	q	Q					35+25	0.0000	2.81	qQ				
30+25	0.0000	4.89	q	Q					35+30	0.0000	2.80	qQ				
30+30	0.0000	4.83	q	Q					35+35	0.0000	2.80	qQ				
30+35	0.0000	4.76	q	Q					35+40	0.0000	2.80	qQ				
30+40	0.0000	4.70	q	Q					35+45	0.0000	2.79	qQ				
30+45	0.0000	4.63	q	Q					35+50	0.0000	2.79	qQ				
30+50	0.0000	4.57	q	Q					35+55	0.0000	2.79	qQ				
30+55	0.0000	4.50	q	Q					36+ 0	0.0000	2.78	qQ				
31+ 0	0.0000	4.44	q	Q					36+ 5	0.0000	2.78	qQ				
31+ 5	0.0000	4.37	q	Q					36+10	0.0000	2.78	qQ				
31+10	0.0000	4.30	q	Q					36+15	0.0000	2.77	qQ				
31+15	0.0000	4.23	q	Q					36+20	0.0000	2.77	qQ				
31+20	0.0000	4.16	q	Q					36+25	0.0000	2.77	qQ				
31+25	0.0000	4.08	q	Q					36+30	0.0000	2.76	qQ				
31+30	0.0000	4.01	q	Q					36+35	0.0000	2.76	qQ				
31+35	0.0000	3.94	q	Q					36+40	0.0000	2.76	qQ				
31+40	0.0000	3.86	q	Q					36+45	0.0000	2.75	qQ				
31+45	0.0000	3.79	q	Q					36+50	0.0000	2.75	qQ				
31+50	0.0000	3.71	q	Q					36+55	0.0000	2.74	qQ				
31+55	0.0000	3.63	q	Q					37+ 0	0.0000	2.74	qQ				
32+ 0	0.0000	3.55	q	Q					37+ 5	0.0000	2.74	qQ				
32+ 5	0.0000	3.47	q	Q					37+10	0.0000	2.73	qQ				
32+10	0.0000	3.39	q	Q					37+15	0.0000	2.73	qQ				
32+15	0.0000	3.30	qQ						37+20	0.0000	2.73	qQ				
32+20	0.0000	3.22	qQ						37+25	0.0000	2.72	qQ				
32+25	0.0000	3.13	qQ						37+30	0.0000	2.72	qQ				
32+30	0.0000	3.04	qQ						37+35	0.0000	2.72	qQ				
32+35	0.0000	2.95	qQ						37+40	0.0000	2.71	qQ				
32+40	0.0000	2.92	qQ						37+45	0.0000	2.71	qQ				
32+45	0.0000	2.92	qQ						37+50	0.0000	2.71	qQ				
32+50	0.0000	2.91	qQ						37+55	0.0000	2.70	qQ				
32+55	0.0000	2.91	qQ						38+ 0	0.0000	2.70	qQ				
33+ 0	0.0000	2.91	qQ						38+ 5	0.0000	2.69	qQ				
33+ 5	0.0000	2.91	qQ						38+10	0.0000	2.69	qQ				

38+15	0.0000	2.68	qQ	|	|	|	|	43+20	0.0000	2.42	qQ	|	|	|	|
38+20	0.0000	2.68	qQ	|	|	|	|	43+25	0.0000	2.41	qQ	|	|	|	|
38+25	0.0000	2.67	qQ	|	|	|	|	43+30	0.0000	2.41	qQ	|	|	|	|
38+30	0.0000	2.67	qQ	|	|	|	|	43+35	0.0000	2.40	qQ	|	|	|	|
38+35	0.0000	2.67	qQ	|	|	|	|	43+40	0.0000	2.40	qQ	|	|	|	|
38+40	0.0000	2.66	qQ	|	|	|	|	43+45	0.0000	2.39	qQ	|	|	|	|
38+45	0.0000	2.66	qQ	|	|	|	|	43+50	0.0000	2.39	qQ	|	|	|	|
38+50	0.0000	2.65	qQ	|	|	|	|	43+55	0.0000	2.38	qQ	|	|	|	|
38+55	0.0000	2.65	qQ	|	|	|	|	44+ 0	0.0000	2.38	qQ	|	|	|	|
39+ 0	0.0000	2.64	qQ	|	|	|	|	44+ 5	0.0000	2.37	qQ	|	|	|	|
39+ 5	0.0000	2.64	qQ	|	|	|	|	44+10	0.0000	2.37	qQ	|	|	|	|
39+10	0.0000	2.64	qQ	|	|	|	|	44+15	0.0000	2.36	qQ	|	|	|	|
39+15	0.0000	2.63	qQ	|	|	|	|	44+20	0.0000	2.36	qQ	|	|	|	|
39+20	0.0000	2.63	qQ	|	|	|	|	44+25	0.0000	2.35	qQ	|	|	|	|
39+25	0.0000	2.62	qQ	|	|	|	|	44+30	0.0000	2.35	qQ	|	|	|	|
39+30	0.0000	2.62	qQ	|	|	|	|	44+35	0.0000	2.34	qQ	|	|	|	|
39+35	0.0000	2.61	qQ	|	|	|	|	44+40	0.0000	2.34	qQ	|	|	|	|
39+40	0.0000	2.61	qQ	|	|	|	|	44+45	0.0000	2.33	qQ	|	|	|	|
39+45	0.0000	2.60	qQ	|	|	|	|	44+50	0.0000	2.33	qQ	|	|	|	|
39+50	0.0000	2.60	qQ	|	|	|	|	44+55	0.0000	2.32	qQ	|	|	|	|
39+55	0.0000	2.60	qQ	|	|	|	|	45+ 0	0.0000	2.32	qQ	|	|	|	|
40+ 0	0.0000	2.59	qQ	|	|	|	|	45+ 5	0.0000	2.31	qQ	|	|	|	|
40+ 5	0.0000	2.59	qQ	|	|	|	|	45+10	0.0000	2.31	qQ	|	|	|	|
40+10	0.0000	2.58	qQ	|	|	|	|	45+15	0.0000	2.30	qQ	|	|	|	|
40+15	0.0000	2.58	qQ	|	|	|	|	45+20	0.0000	2.30	qQ	|	|	|	|
40+20	0.0000	2.58	qQ	|	|	|	|	45+25	0.0000	2.29	qQ	|	|	|	|
40+25	0.0000	2.57	qQ	|	|	|	|	45+30	0.0000	2.29	qQ	|	|	|	|
40+30	0.0000	2.57	qQ	|	|	|	|	45+35	0.0000	2.29	qQ	|	|	|	|
40+35	0.0000	2.56	qQ	|	|	|	|	45+40	0.0000	2.28	qQ	|	|	|	|
40+40	0.0000	2.56	qQ	|	|	|	|	45+45	0.0000	2.28	qQ	|	|	|	|
40+45	0.0000	2.55	qQ	|	|	|	|	45+50	0.0000	2.27	qQ	|	|	|	|
40+50	0.0000	2.55	qQ	|	|	|	|	45+55	0.0000	2.27	qQ	|	|	|	|
40+55	0.0000	2.55	qQ	|	|	|	|	46+ 0	0.0000	2.26	qQ	|	|	|	|
41+ 0	0.0000	2.54	qQ	|	|	|	|	46+ 5	0.0000	2.26	qQ	|	|	|	|
41+ 5	0.0000	2.54	qQ	|	|	|	|	46+10	0.0000	2.25	qQ	|	|	|	|
41+10	0.0000	2.53	qQ	|	|	|	|	46+15	0.0000	2.25	qQ	|	|	|	|
41+15	0.0000	2.53	qQ	|	|	|	|	46+20	0.0000	2.24	qQ	|	|	|	|
41+20	0.0000	2.52	qQ	|	|	|	|	46+25	0.0000	2.24	qQ	|	|	|	|
41+25	0.0000	2.52	qQ	|	|	|	|	46+30	0.0000	2.23	qQ	|	|	|	|
41+30	0.0000	2.52	qQ	|	|	|	|	46+35	0.0000	2.23	qQ	|	|	|	|
41+35	0.0000	2.51	qQ	|	|	|	|	46+40	0.0000	2.22	qQ	|	|	|	|
41+40	0.0000	2.51	qQ	|	|	|	|	46+45	0.0000	2.22	qQ	|	|	|	|
41+45	0.0000	2.50	qQ	|	|	|	|	46+50	0.0000	2.22	qQ	|	|	|	|
41+50	0.0000	2.50	qQ	|	|	|	|	46+55	0.0000	2.21	qQ	|	|	|	|
41+55	0.0000	2.50	qQ	|	|	|	|	47+ 0	0.0000	2.21	qQ	|	|	|	|
42+ 0	0.0000	2.49	qQ	|	|	|	|	47+ 5	0.0000	2.20	qQ	|	|	|	|
42+ 5	0.0000	2.49	qQ	|	|	|	|	47+10	0.0000	2.19	qQ	|	|	|	|
42+10	0.0000	2.48	qQ	|	|	|	|	47+15	0.0000	2.19	qQ	|	|	|	|
42+15	0.0000	2.48	qQ	|	|	|	|	47+20	0.0000	2.18	qQ	|	|	|	|
42+20	0.0000	2.48	qQ	|	|	|	|	47+25	0.0000	2.18	qQ	|	|	|	|
42+25	0.0000	2.47	qQ	|	|	|	|	47+30	0.0000	2.17	qQ	|	|	|	|
42+30	0.0000	2.47	qQ	|	|	|	|	47+35	0.0000	2.16	qQ	|	|	|	|
42+35	0.0000	2.46	qQ	|	|	|	|	47+40	0.0000	2.16	qQ	|	|	|	|
42+40	0.0000	2.46	qQ	|	|	|	|	47+45	0.0000	2.15	qQ	|	|	|	|
42+45	0.0000	2.45	qQ	|	|	|	|	47+50	0.0000	2.15	qQ	|	|	|	|
42+50	0.0000	2.45	qQ	|	|	|	|	47+55	0.0000	2.14	qQ	|	|	|	|
42+55	0.0000	2.44	qQ	|	|	|	|	48+ 0	0.0000	2.13	qQ	|	|	|	|
43+ 0	0.0000	2.44	qQ	|	|	|	|	48+ 5	0.0000	2.13	qQ	|	|	|	|
43+ 5	0.0000	2.43	qQ	|	|	|	|	48+10	0.0000	2.12	qQ	|	|	|	|
43+10	0.0000	2.43	qQ	|	|	|	|	48+15	0.0000	2.12	qQ	|	|	|	|
43+15	0.0000	2.42	qQ	|	|	|	|	48+20	0.0000	2.11	qQ	|	|	|	|

48+25	0.0000	2.11	qQ				
48+30	0.0000	2.10	qQ				
48+35	0.0000	2.09	qQ				
48+40	0.0000	2.09	qQ				
48+45	0.0000	2.08	qQ				
48+50	0.0000	2.08	qQ				
48+55	0.0000	2.07	qQ				
49+ 0	0.0000	2.07	qQ				
49+ 5	0.0000	2.06	qQ				
49+10	0.0000	2.05	qQ				
49+15	0.0000	2.05	qQ				
49+20	0.0000	2.04	qQ				
49+25	0.0000	2.04	qQ				
49+30	0.0000	2.03	qQ				
49+35	0.0000	2.03	qQ				
49+40	0.0000	2.02	qQ				
49+45	0.0000	2.02	qQ				
49+50	0.0000	2.01	qQ				
49+55	0.0000	2.01	qQ				
50+ 0	0.0000	2.00	qQ				
50+ 5	0.0000	1.99	qQ				
50+10	0.0000	1.99	qQ				
50+15	0.0000	1.98	qQ				
50+20	0.0000	1.98	qQ				
50+25	0.0000	1.97	qQ				
50+30	0.0000	1.97	qQ				
50+35	0.0000	1.96	qQ				
50+40	0.0000	1.96	qQ				
50+45	0.0000	1.95	qQ				
50+50	0.0000	1.95	qQ				
50+55	0.0000	1.94	qQ				
51+ 0	0.0000	1.94	qQ				
51+ 5	0.0000	1.93	qQ				
51+10	0.0000	1.92	qQ				
51+15	0.0000	1.92	qQ				
51+20	0.0000	1.91	qQ				
51+25	0.0000	1.90	qQ				
51+30	0.0000	1.90	qQ				
51+35	0.0000	1.89	qQ				
51+40	0.0000	1.88	qQ				
51+45	0.0000	1.87	qQ				
51+50	0.0000	1.86	qQ				
51+55	0.0000	1.86	qQ				
52+ 0	0.0000	1.85	qQ				
52+ 5	0.0000	1.84	qQ				
52+10	0.0000	1.83	qQ				
52+15	0.0000	1.83	qQ				
52+20	0.0000	1.82	qQ				
52+25	0.0000	1.81	qQ				
52+30	0.0000	1.80	qQ				
52+35	0.0000	1.80	qQ				
52+40	0.0000	1.79	qQ				
52+45	0.0000	1.78	qQ				
52+50	0.0000	1.77	qQ				
52+55	0.0000	1.77	qQ				
53+ 0	0.0000	1.76	qQ				
53+ 5	0.0000	1.75	qQ				
53+10	0.0000	1.75	qQ				
53+15	0.0000	1.74	qQ				
53+20	0.0000	1.73	qQ				
53+25	0.0000	1.72	qQ				
53+30	0.0000	1.72	qQ				
53+35	0.0000	1.71	qQ				
53+40	0.0000	1.70	qQ				
53+45	0.0000	1.70	qQ				
53+50	0.0000	1.69	qQ				
53+55	0.0000	1.68	qQ				
54+ 0	0.0000	1.68	Q				
54+ 5	0.0000	1.67	Q				
54+10	0.0000	1.66	Q				
54+15	0.0000	1.65	Q				
54+20	0.0000	1.65	Q				
54+25	0.0000	1.64	Q				
54+30	0.0000	1.63	Q				
54+35	0.0000	1.63	Q				
54+40	0.0000	1.62	Q				
54+45	0.0000	1.61	Q				
54+50	0.0000	1.61	Q				
54+55	0.0000	1.60	Q				
55+ 0	0.0000	1.59	Q				
55+ 5	0.0000	1.59	Q				
55+10	0.0000	1.58	Q				
55+15	0.0000	1.58	Q				
55+20	0.0000	1.57	Q				
55+25	0.0000	1.56	Q				
55+30	0.0000	1.55	Q				
55+35	0.0000	1.54	Q				
55+40	0.0000	1.53	Q				
55+45	0.0000	1.52	Q				
55+50	0.0000	1.51	Q				
55+55	0.0000	1.50	Q				
56+ 0	0.0000	1.49	Q				
56+ 5	0.0000	1.48	Q				
56+10	0.0000	1.47	Q				
56+15	0.0000	1.46	Q				
56+20	0.0000	1.46	Q				
56+25	0.0000	1.45	Q				
56+30	0.0000	1.44	Q				
56+35	0.0000	1.43	Q				
56+40	0.0000	1.42	Q				
56+45	0.0000	1.41	Q				
56+50	0.0000	1.40	Q				
56+55	0.0000	1.39	Q				
57+ 0	0.0000	1.38	Q				
57+ 5	0.0000	1.37	Q				
57+10	0.0000	1.36	Q				
57+15	0.0000	1.35	Q				
57+20	0.0000	1.35	Q				
57+25	0.0000	1.34	Q				
57+30	0.0000	1.33	Q				
57+35	0.0000	1.32	Q				
57+40	0.0000	1.31	Q				
57+45	0.0000	1.30	Q				
57+50	0.0000	1.29	Q				
57+55	0.0000	1.29	Q				
58+ 0	0.0000	1.28	Q				
58+ 5	0.0000	1.27	Q				
58+10	0.0000	1.26	Q				
58+15	0.0000	1.25	Q				
58+20	0.0000	1.24	Q				
58+25	0.0000	1.24	Q				
58+30	0.0000	1.23	Q				

58+35	0.0000	1.22	Q					63+40	0.0000	0.57	Q				
58+40	0.0000	1.21	Q					63+45	0.0000	0.56	Q				
58+45	0.0000	1.20	Q					63+50	0.0000	0.55	Q				
58+50	0.0000	1.20	Q					63+55	0.0000	0.54	Q				
58+55	0.0000	1.19	Q					64+ 0	0.0000	0.53	Q				
59+ 0	0.0000	1.18	Q					64+ 5	0.0000	0.53	Q				
59+ 5	0.0000	1.17	Q					64+10	0.0000	0.52	Q				
59+10	0.0000	1.17	Q					64+15	0.0000	0.51	Q				
59+15	0.0000	1.16	Q					64+20	0.0000	0.50	Q				
59+20	0.0000	1.15	Q					64+25	0.0000	0.50	Q				
59+25	0.0000	1.14	Q					64+30	0.0000	0.49	Q				
59+30	0.0000	1.14	Q					64+35	0.0000	0.48	Q				
59+35	0.0000	1.13	Q					64+40	0.0000	0.47	Q				
59+40	0.0000	1.12	Q					64+45	0.0000	0.47	Q				
59+45	0.0000	1.11	Q					64+50	0.0000	0.46	Q				
59+50	0.0000	1.11	Q					64+55	0.0000	0.45	Q				
59+55	0.0000	1.10	Q					65+ 0	0.0000	0.45	Q				
60+ 0	0.0000	1.08	Q					65+ 5	0.0000	0.44	Q				
60+ 5	0.0000	1.07	Q					65+10	0.0000	0.43	Q				
60+10	0.0000	1.05	Q					65+15	0.0000	0.43	Q				
60+15	0.0000	1.04	Q					65+20	0.0000	0.42	Q				
60+20	0.0000	1.02	Q					65+25	0.0000	0.42	Q				
60+25	0.0000	1.01	Q					65+30	0.0000	0.41	Q				
60+30	0.0000	0.99	Q					65+35	0.0000	0.40	Q				
60+35	0.0000	0.98	Q					65+40	0.0000	0.40	Q				
60+40	0.0000	0.96	Q					65+45	0.0000	0.39	Q				
60+45	0.0000	0.95	Q					65+50	0.0000	0.39	Q				
60+50	0.0000	0.93	Q					65+55	0.0000	0.38	Q				
60+55	0.0000	0.92	Q					66+ 0	0.0000	0.38	Q				
61+ 0	0.0000	0.91	Q					66+ 5	0.0000	0.37	Q				
61+ 5	0.0000	0.89	Q					66+10	0.0000	0.36	Q				
61+10	0.0000	0.88	Q					66+15	0.0000	0.36	Q				
61+15	0.0000	0.87	Q					66+20	0.0000	0.35	Q				
61+20	0.0000	0.86	Q					66+25	0.0000	0.35	Q				
61+25	0.0000	0.84	Q					66+30	0.0000	0.34	Q				
61+30	0.0000	0.83	Q					66+35	0.0000	0.34	Q				
61+35	0.0000	0.82	Q					66+40	0.0000	0.33	Q				
61+40	0.0000	0.81	Q					66+45	0.0000	0.33	Q				
61+45	0.0000	0.79	Q					66+50	0.0000	0.32	Q				
61+50	0.0000	0.78	Q					66+55	0.0000	0.32	Q				
61+55	0.0000	0.77	Q					67+ 0	0.0000	0.31	Q				
62+ 0	0.0000	0.76	Q					67+ 5	0.0000	0.31	Q				
62+ 5	0.0000	0.75	Q					67+10	0.0000	0.31	Q				
62+10	0.0000	0.74	Q					67+15	0.0000	0.30	Q				
62+15	0.0000	0.73	Q					67+20	0.0000	0.30	Q				
62+20	0.0000	0.72	Q					67+25	0.0000	0.29	Q				
62+25	0.0000	0.71	Q					67+30	0.0000	0.29	Q				
62+30	0.0000	0.70	Q					67+35	0.0000	0.28	Q				
62+35	0.0000	0.69	Q					67+40	0.0000	0.28	Q				
62+40	0.0000	0.68	Q					67+45	0.0000	0.28	Q				
62+45	0.0000	0.67	Q					67+50	0.0000	0.27	Q				
62+50	0.0000	0.66	Q					67+55	0.0000	0.27	Q				
62+55	0.0000	0.65	Q					68+ 0	0.0000	0.26	Q				
63+ 0	0.0000	0.64	Q					68+ 5	0.0000	0.26	Q				
63+ 5	0.0000	0.63	Q					68+10	0.0000	0.26	Q				
63+10	0.0000	0.62	Q					68+15	0.0000	0.26	Q				
63+15	0.0000	0.61	Q					68+20	0.0000	0.26	Q				
63+20	0.0000	0.60	Q					68+25	0.0000	0.25	Q				
63+25	0.0000	0.59	Q					68+30	0.0000	0.25	Q				
63+30	0.0000	0.58	Q					68+35	0.0000	0.25	Q				
63+35	0.0000	0.58	Q					68+40	0.0000	0.25	Q				

68+45	0.0000	0.25	Q					73+50	0.0000	0.17	Q								
68+50	0.0000	0.25	Q					73+55	0.0000	0.17	Q								
68+55	0.0000	0.25	Q					74+ 0	0.0000	0.17	Q								
69+ 0	0.0000	0.24	Q					74+ 5	0.0000	0.17	Q								
69+ 5	0.0000	0.24	Q					74+10	0.0000	0.17	Q								
69+10	0.0000	0.24	Q					74+15	0.0000	0.17	Q								
69+15	0.0000	0.24	Q					74+20	0.0000	0.17	Q								
69+20	0.0000	0.24	Q					74+25	0.0000	0.17	Q								
69+25	0.0000	0.24	Q					74+30	0.0000	0.17	Q								
69+30	0.0000	0.24	Q					74+35	0.0000	0.16	Q								
69+35	0.0000	0.23	Q					74+40	0.0000	0.16	Q								
69+40	0.0000	0.23	Q					74+45	0.0000	0.16	Q								
69+45	0.0000	0.23	Q					74+50	0.0000	0.16	Q								
69+50	0.0000	0.23	Q					74+55	0.0000	0.16	Q								
69+55	0.0000	0.23	Q					75+ 0	0.0000	0.16	Q								
70+ 0	0.0000	0.23	Q					75+ 5	0.0000	0.16	Q								
70+ 5	0.0000	0.23	Q					75+10	0.0000	0.16	Q								
70+10	0.0000	0.22	Q					75+15	0.0000	0.16	Q								
70+15	0.0000	0.22	Q					75+20	0.0000	0.16	Q								
70+20	0.0000	0.22	Q					75+25	0.0000	0.16	Q								
70+25	0.0000	0.22	Q					75+30	0.0000	0.15	Q								
70+30	0.0000	0.22	Q					75+35	0.0000	0.15	Q								
70+35	0.0000	0.22	Q					75+40	0.0000	0.15	Q								
70+40	0.0000	0.22	Q					75+45	0.0000	0.15	Q								
70+45	0.0000	0.22	Q					75+50	0.0000	0.15	Q								
70+50	0.0000	0.21	Q					75+55	0.0000	0.15	Q								
70+55	0.0000	0.21	Q					76+ 0	0.0000	0.15	Q								
71+ 0	0.0000	0.21	Q					76+ 5	0.0000	0.15	Q								
71+ 5	0.0000	0.21	Q					76+10	0.0000	0.15	Q								
71+10	0.0000	0.21	Q					76+15	0.0000	0.15	Q								
71+15	0.0000	0.21	Q					76+20	0.0000	0.15	Q								
71+20	0.0000	0.21	Q					76+25	0.0000	0.14	Q								
71+25	0.0000	0.21	Q					76+30	0.0000	0.14	Q								
71+30	0.0000	0.20	Q					76+35	0.0000	0.14	Q								
71+35	0.0000	0.20	Q					76+40	0.0000	0.14	Q								
71+40	0.0000	0.20	Q					76+45	0.0000	0.14	Q								
71+45	0.0000	0.20	Q					76+50	0.0000	0.14	Q								
71+50	0.0000	0.20	Q					76+55	0.0000	0.14	Q								
71+55	0.0000	0.20	Q					77+ 0	0.0000	0.14	Q								
72+ 0	0.0000	0.20	Q					77+ 5	0.0000	0.14	Q								
72+ 5	0.0000	0.20	Q					77+10	0.0000	0.14	Q								
72+10	0.0000	0.20	Q					77+15	0.0000	0.14	Q								
72+15	0.0000	0.19	Q					77+20	0.0000	0.14	Q								
72+20	0.0000	0.19	Q					77+25	0.0000	0.13	Q								
72+25	0.0000	0.19	Q					77+30	0.0000	0.13	Q								
72+30	0.0000	0.19	Q					77+35	0.0000	0.13	Q								
72+35	0.0000	0.19	Q					77+40	0.0000	0.13	Q								
72+40	0.0000	0.19	Q					77+45	0.0000	0.13	Q								
72+45	0.0000	0.19	Q					77+50	0.0000	0.13	Q								
72+50	0.0000	0.19	Q					77+55	0.0000	0.13	Q								
72+55	0.0000	0.19	Q					78+ 0	0.0000	0.13	Q								
73+ 0	0.0000	0.18	Q					78+ 5	0.0000	0.13	Q								
73+ 5	0.0000	0.18	Q					78+10	0.0000	0.13	Q								
73+10	0.0000	0.18	Q					78+15	0.0000	0.13	Q								
73+15	0.0000	0.18	Q					78+20	0.0000	0.13	Q								
73+20	0.0000	0.18	Q					78+25	0.0000	0.13	Q								
73+25	0.0000	0.18	Q					78+30	0.0000	0.13	Q								
73+30	0.0000	0.18	Q					78+35	0.0000	0.12	Q								
73+35	0.0000	0.18	Q					78+40	0.0000	0.12	Q								
73+40	0.0000	0.18	Q					78+45	0.0000	0.12	Q								
73+45	0.0000	0.17	Q					78+50	0.0000	0.12	Q								

78+55	0.0000	0.12	Q					84+ 0	0.0000	0.08	Q				
79+ 0	0.0000	0.12	Q					84+ 5	0.0000	0.08	Q				
79+ 5	0.0000	0.12	Q					84+10	0.0000	0.08	Q				
79+10	0.0000	0.12	Q					84+15	0.0000	0.08	Q				
79+15	0.0000	0.12	Q					84+20	0.0000	0.08	Q				
79+20	0.0000	0.12	Q					84+25	0.0000	0.08	Q				
79+25	0.0000	0.12	Q					84+30	0.0000	0.08	Q				
79+30	0.0000	0.12	Q					84+35	0.0000	0.08	Q				
79+35	0.0000	0.12	Q					84+40	0.0000	0.08	Q				
79+40	0.0000	0.12	Q					84+45	0.0000	0.08	Q				
79+45	0.0000	0.11	Q					84+50	0.0000	0.08	Q				
79+50	0.0000	0.11	Q					84+55	0.0000	0.08	Q				
79+55	0.0000	0.11	Q					85+ 0	0.0000	0.08	Q				
80+ 0	0.0000	0.11	Q					85+ 5	0.0000	0.08	Q				
80+ 5	0.0000	0.11	Q					85+10	0.0000	0.08	Q				
80+10	0.0000	0.11	Q					85+15	0.0000	0.08	Q				
80+15	0.0000	0.11	Q					85+20	0.0000	0.08	Q				
80+20	0.0000	0.11	Q					85+25	0.0000	0.08	Q				
80+25	0.0000	0.11	Q					85+30	0.0000	0.08	Q				
80+30	0.0000	0.11	Q					85+35	0.0000	0.08	Q				
80+35	0.0000	0.11	Q					85+40	0.0000	0.08	Q				
80+40	0.0000	0.11	Q					85+45	0.0000	0.08	Q				
80+45	0.0000	0.11	Q					85+50	0.0000	0.07	Q				
80+50	0.0000	0.11	Q					85+55	0.0000	0.07	Q				
80+55	0.0000	0.11	Q					86+ 0	0.0000	0.07	Q				
81+ 0	0.0000	0.10	Q					86+ 5	0.0000	0.07	Q				
81+ 5	0.0000	0.10	Q					86+10	0.0000	0.07	Q				
81+10	0.0000	0.10	Q					86+15	0.0000	0.07	Q				
81+15	0.0000	0.10	Q					86+20	0.0000	0.07	Q				
81+20	0.0000	0.10	Q					86+25	0.0000	0.07	Q				
81+25	0.0000	0.10	Q					86+30	0.0000	0.07	Q				
81+30	0.0000	0.10	Q					86+35	0.0000	0.07	Q				
81+35	0.0000	0.10	Q					86+40	0.0000	0.07	Q				
81+40	0.0000	0.10	Q					86+45	0.0000	0.07	Q				
81+45	0.0000	0.10	Q					86+50	0.0000	0.07	Q				
81+50	0.0000	0.10	Q					86+55	0.0000	0.07	Q				
81+55	0.0000	0.10	Q					87+ 0	0.0000	0.07	Q				
82+ 0	0.0000	0.10	Q					87+ 5	0.0000	0.07	Q				
82+ 5	0.0000	0.10	Q					87+10	0.0000	0.07	Q				
82+10	0.0000	0.10	Q					87+15	0.0000	0.07	Q				
82+15	0.0000	0.10	Q					87+20	0.0000	0.07	Q				
82+20	0.0000	0.10	Q					87+25	0.0000	0.07	Q				
82+25	0.0000	0.09	Q					87+30	0.0000	0.07	Q				
82+30	0.0000	0.09	Q					87+35	0.0000	0.07	Q				
82+35	0.0000	0.09	Q					87+40	0.0000	0.07	Q				
82+40	0.0000	0.09	Q					87+45	0.0000	0.07	Q				
82+45	0.0000	0.09	Q					87+50	0.0000	0.06	Q				
82+50	0.0000	0.09	Q					87+55	0.0000	0.06	Q				
82+55	0.0000	0.09	Q					88+ 0	0.0000	0.06	Q				
83+ 0	0.0000	0.09	Q					88+ 5	0.0000	0.06	Q				
83+ 5	0.0000	0.09	Q					88+10	0.0000	0.06	Q				
83+10	0.0000	0.09	Q					88+15	0.0000	0.06	Q				
83+15	0.0000	0.09	Q					88+20	0.0000	0.06	Q				
83+20	0.0000	0.09	Q					88+25	0.0000	0.06	Q				
83+25	0.0000	0.09	Q					88+30	0.0000	0.06	Q				
83+30	0.0000	0.09	Q					88+35	0.0000	0.06	Q				
83+35	0.0000	0.09	Q					88+40	0.0000	0.06	Q				
83+40	0.0000	0.09	Q					88+45	0.0000	0.06	Q				
83+45	0.0000	0.09	Q					88+50	0.0000	0.06	Q				
83+50	0.0000	0.09	Q					88+55	0.0000	0.06	Q				
83+55	0.0000	0.09	Q					89+ 0	0.0000	0.06	Q				

89+ 5	0.0000	0.06	Q					94+10	0.0000	0.04	Q				
89+10	0.0000	0.06	Q					94+15	0.0000	0.04	Q				
89+15	0.0000	0.06	Q					94+20	0.0000	0.04	Q				
89+20	0.0000	0.06	Q					94+25	0.0000	0.04	Q				
89+25	0.0000	0.06	Q					94+30	0.0000	0.04	Q				
89+30	0.0000	0.06	Q					94+35	0.0000	0.04	Q				
89+35	0.0000	0.06	Q					94+40	0.0000	0.04	Q				
89+40	0.0000	0.06	Q					94+45	0.0000	0.04	Q				
89+45	0.0000	0.06	Q					94+50	0.0000	0.04	Q				
89+50	0.0000	0.06	Q					94+55	0.0000	0.04	Q				
89+55	0.0000	0.06	Q					95+ 0	0.0000	0.04	Q				
90+ 0	0.0000	0.06	Q					95+ 5	0.0000	0.04	Q				
90+ 5	0.0000	0.06	Q					95+10	0.0000	0.04	Q				
90+10	0.0000	0.06	Q					95+15	0.0000	0.04	Q				
90+15	0.0000	0.05	Q					95+20	0.0000	0.04	Q				
90+20	0.0000	0.05	Q					95+25	0.0000	0.04	Q				
90+25	0.0000	0.05	Q					95+30	0.0000	0.04	Q				
90+30	0.0000	0.05	Q					95+35	0.0000	0.04	Q				
90+35	0.0000	0.05	Q					95+40	0.0000	0.04	Q				
90+40	0.0000	0.05	Q					95+45	0.0000	0.04	Q				
90+45	0.0000	0.05	Q					95+50	0.0000	0.04	Q				
90+50	0.0000	0.05	Q					95+55	0.0000	0.04	Q				
90+55	0.0000	0.05	Q					96+ 0	0.0000	0.04	Q				
91+ 0	0.0000	0.05	Q					96+ 5	0.0000	0.04	Q				
91+ 5	0.0000	0.05	Q					96+10	0.0000	0.04	Q				
91+10	0.0000	0.05	Q					96+15	0.0000	0.04	Q				
91+15	0.0000	0.05	Q					96+20	0.0000	0.04	Q				
91+20	0.0000	0.05	Q					96+25	0.0000	0.04	Q				
91+25	0.0000	0.05	Q					96+30	0.0000	0.04	Q				
91+30	0.0000	0.05	Q					96+35	0.0000	0.04	Q				
91+35	0.0000	0.05	Q					96+40	0.0000	0.03	Q				
91+40	0.0000	0.05	Q					96+45	0.0000	0.03	Q				
91+45	0.0000	0.05	Q					96+50	0.0000	0.03	Q				
91+50	0.0000	0.05	Q					96+55	0.0000	0.03	Q				
91+55	0.0000	0.05	Q					97+ 0	0.0000	0.03	Q				
92+ 0	0.0000	0.05	Q					97+ 5	0.0000	0.03	Q				
92+ 5	0.0000	0.05	Q					97+10	0.0000	0.03	Q				
92+10	0.0000	0.05	Q					97+15	0.0000	0.03	Q				
92+15	0.0000	0.05	Q					97+20	0.0000	0.03	Q				
92+20	0.0000	0.05	Q					97+25	0.0000	0.03	Q				
92+25	0.0000	0.05	Q					97+30	0.0000	0.03	Q				
92+30	0.0000	0.05	Q					97+35	0.0000	0.03	Q				
92+35	0.0000	0.05	Q					97+40	0.0000	0.03	Q				
92+40	0.0000	0.05	Q					97+45	0.0000	0.03	Q				
92+45	0.0000	0.05	Q					97+50	0.0000	0.03	Q				
92+50	0.0000	0.05	Q					97+55	0.0000	0.03	Q				
92+55	0.0000	0.05	Q					98+ 0	0.0000	0.03	Q				
93+ 0	0.0000	0.05	Q					98+ 5	0.0000	0.03	Q				
93+ 5	0.0000	0.04	Q					98+10	0.0000	0.03	Q				
93+10	0.0000	0.04	Q					98+15	0.0000	0.03	Q				
93+15	0.0000	0.04	Q					98+20	0.0000	0.03	Q				
93+20	0.0000	0.04	Q					98+25	0.0000	0.03	Q				
93+25	0.0000	0.04	Q					98+30	0.0000	0.03	Q				
93+30	0.0000	0.04	Q					98+35	0.0000	0.03	Q				
93+35	0.0000	0.04	Q					98+40	0.0000	0.03	Q				
93+40	0.0000	0.04	Q					98+45	0.0000	0.03	Q				
93+45	0.0000	0.04	Q					98+50	0.0000	0.03	Q				
93+50	0.0000	0.04	Q					98+55	0.0000	0.03	Q				
93+55	0.0000	0.04	Q					99+ 0	0.0000	0.03	Q				
94+ 0	0.0000	0.04	Q					99+ 5	0.0000	0.03	Q				
94+ 5	0.0000	0.04	Q					99+10	0.0000	0.03	Q				

99+15	0.0000	0.03	Q					104+20	0.0000	0.02	Q				
99+20	0.0000	0.03	Q					104+25	0.0000	0.02	Q				
99+25	0.0000	0.03	Q					104+30	0.0000	0.02	Q				
99+30	0.0000	0.03	Q					104+35	0.0000	0.02	Q				
99+35	0.0000	0.03	Q					104+40	0.0000	0.02	Q				
99+40	0.0000	0.03	Q					104+45	0.0000	0.02	Q				
99+45	0.0000	0.03	Q					104+50	0.0000	0.02	Q				
99+50	0.0000	0.03	Q					104+55	0.0000	0.02	Q				
99+55	0.0000	0.03	Q					105+ 0	0.0000	0.02	Q				
100+ 0	0.0000	0.03	Q					105+ 5	0.0000	0.02	Q				
100+ 5	0.0000	0.03	Q					105+10	0.0000	0.02	Q				
100+10	0.0000	0.03	Q					105+15	0.0000	0.02	Q				
100+15	0.0000	0.03	Q					105+20	0.0000	0.02	Q				
100+20	0.0000	0.03	Q					105+25	0.0000	0.02	Q				
100+25	0.0000	0.03	Q					105+30	0.0000	0.02	Q				
100+30	0.0000	0.03	Q					105+35	0.0000	0.02	Q				
100+35	0.0000	0.03	Q					105+40	0.0000	0.02	Q				
100+40	0.0000	0.03	Q					105+45	0.0000	0.02	Q				
100+45	0.0000	0.03	Q					105+50	0.0000	0.02	Q				
100+50	0.0000	0.03	Q					105+55	0.0000	0.02	Q				
100+55	0.0000	0.03	Q					106+ 0	0.0000	0.02	Q				
101+ 0	0.0000	0.03	Q					106+ 5	0.0000	0.02	Q				
101+ 5	0.0000	0.03	Q					106+10	0.0000	0.02	Q				
101+10	0.0000	0.03	Q					106+15	0.0000	0.02	Q				
101+15	0.0000	0.03	Q					106+20	0.0000	0.02	Q				
101+20	0.0000	0.03	Q					106+25	0.0000	0.02	Q				
101+25	0.0000	0.03	Q					106+30	0.0000	0.02	Q				
101+30	0.0000	0.02	Q					106+35	0.0000	0.02	Q				
101+35	0.0000	0.02	Q					106+40	0.0000	0.02	Q				
101+40	0.0000	0.02	Q					106+45	0.0000	0.02	Q				
101+45	0.0000	0.02	Q					106+50	0.0000	0.02	Q				
101+50	0.0000	0.02	Q					106+55	0.0000	0.02	Q				
101+55	0.0000	0.02	Q					107+ 0	0.0000	0.02	Q				
102+ 0	0.0000	0.02	Q					107+ 5	0.0000	0.02	Q				
102+ 5	0.0000	0.02	Q					107+10	0.0000	0.02	Q				
102+10	0.0000	0.02	Q					107+15	0.0000	0.02	Q				
102+15	0.0000	0.02	Q					107+20	0.0000	0.02	Q				
102+20	0.0000	0.02	Q					107+25	0.0000	0.02	Q				
102+25	0.0000	0.02	Q					107+30	0.0000	0.02	Q				
102+30	0.0000	0.02	Q					107+35	0.0000	0.02	Q				
102+35	0.0000	0.02	Q					107+40	0.0000	0.02	Q				
102+40	0.0000	0.02	Q					107+45	0.0000	0.02	Q				
102+45	0.0000	0.02	Q					107+50	0.0000	0.02	Q				
102+50	0.0000	0.02	Q					107+55	0.0000	0.02	Q				
102+55	0.0000	0.02	Q					108+ 0	0.0000	0.02	Q				
103+ 0	0.0000	0.02	Q					108+ 5	0.0000	0.02	Q				
103+ 5	0.0000	0.02	Q					108+10	0.0000	0.02	Q				
103+10	0.0000	0.02	Q					108+15	0.0000	0.02	Q				
103+15	0.0000	0.02	Q					108+20	0.0000	0.02	Q				
103+20	0.0000	0.02	Q					108+25	0.0000	0.02	Q				
103+25	0.0000	0.02	Q					108+30	0.0000	0.02	Q				
103+30	0.0000	0.02	Q					108+35	0.0000	0.02	Q				
103+35	0.0000	0.02	Q					108+40	0.0000	0.02	Q				
103+40	0.0000	0.02	Q					108+45	0.0000	0.01	Q				
103+45	0.0000	0.02	Q					108+50	0.0000	0.01	Q				
103+50	0.0000	0.02	Q					108+55	0.0000	0.01	Q				
103+55	0.0000	0.02	Q					109+ 0	0.0000	0.01	Q				
104+ 0	0.0000	0.02	Q					109+ 5	0.0000	0.01	Q				
104+ 5	0.0000	0.02	Q					109+10	0.0000	0.01	Q				
104+10	0.0000	0.02	Q					109+15	0.0000	0.01	Q				
104+15	0.0000	0.02	Q					109+20	0.0000	0.01	Q				

109+25	0.0000	0.01	Q	|	|	|	|	114+30	0.0000	0.01	Q	|	|	|	|
109+30	0.0000	0.01	Q	|	|	|	|	114+35	0.0000	0.01	Q	|	|	|	|
109+35	0.0000	0.01	Q	|	|	|	|	114+40	0.0000	0.01	Q	|	|	|	|
109+40	0.0000	0.01	Q	|	|	|	|	114+45	0.0000	0.01	Q	|	|	|	|
109+45	0.0000	0.01	Q	|	|	|	|	114+50	0.0000	0.01	Q	|	|	|	|
109+50	0.0000	0.01	Q	|	|	|	|	114+55	0.0000	0.01	Q	|	|	|	|
109+55	0.0000	0.01	Q	|	|	|	|	115+ 0	0.0000	0.01	Q	|	|	|	|
110+ 0	0.0000	0.01	Q	|	|	|	|	115+ 5	0.0000	0.01	Q	|	|	|	|
110+ 5	0.0000	0.01	Q	|	|	|	|	115+10	0.0000	0.01	Q	|	|	|	|
110+10	0.0000	0.01	Q	|	|	|	|	115+15	0.0000	0.01	Q	|	|	|	|
110+15	0.0000	0.01	Q	|	|	|	|	115+20	0.0000	0.01	Q	|	|	|	|
110+20	0.0000	0.01	Q	|	|	|	|	115+25	0.0000	0.01	Q	|	|	|	|
110+25	0.0000	0.01	Q	|	|	|	|	115+30	0.0000	0.01	Q	|	|	|	|
110+30	0.0000	0.01	Q	|	|	|	|	115+35	0.0000	0.01	Q	|	|	|	|
110+35	0.0000	0.01	Q	|	|	|	|	115+40	0.0000	0.01	Q	|	|	|	|
110+40	0.0000	0.01	Q	|	|	|	|	115+45	0.0000	0.01	Q	|	|	|	|
110+45	0.0000	0.01	Q	|	|	|	|	115+50	0.0000	0.01	Q	|	|	|	|
110+50	0.0000	0.01	Q	|	|	|	|	115+55	0.0000	0.01	Q	|	|	|	|
110+55	0.0000	0.01	Q	|	|	|	|	116+ 0	0.0000	0.01	Q	|	|	|	|
111+ 0	0.0000	0.01	Q	|	|	|	|	116+ 5	0.0000	0.01	Q	|	|	|	|
111+ 5	0.0000	0.01	Q	|	|	|	|	116+10	0.0000	0.01	Q	|	|	|	|
111+10	0.0000	0.01	Q	|	|	|	|	116+15	0.0000	0.01	Q	|	|	|	|
111+15	0.0000	0.01	Q	|	|	|	|	116+20	0.0000	0.01	Q	|	|	|	|
111+20	0.0000	0.01	Q	|	|	|	|	116+25	0.0000	0.01	Q	|	|	|	|
111+25	0.0000	0.01	Q	|	|	|	|	116+30	0.0000	0.01	Q	|	|	|	|
111+30	0.0000	0.01	Q	|	|	|	|	116+35	0.0000	0.01	Q	|	|	|	|
111+35	0.0000	0.01	Q	|	|	|	|	116+40	0.0000	0.01	Q	|	|	|	|
111+40	0.0000	0.01	Q	|	|	|	|	116+45	0.0000	0.01	Q	|	|	|	|
111+45	0.0000	0.01	Q	|	|	|	|	116+50	0.0000	0.01	Q	|	|	|	|
111+50	0.0000	0.01	Q	|	|	|	|	116+55	0.0000	0.01	Q	|	|	|	|
111+55	0.0000	0.01	Q	|	|	|	|	117+ 0	0.0000	0.01	Q	|	|	|	|
112+ 0	0.0000	0.01	Q	|	|	|	|	117+ 5	0.0000	0.01	Q	|	|	|	|
112+ 5	0.0000	0.01	Q	|	|	|	|	117+10	0.0000	0.01	Q	|	|	|	|
112+10	0.0000	0.01	Q	|	|	|	|	117+15	0.0000	0.01	Q	|	|	|	|
112+15	0.0000	0.01	Q	|	|	|	|	117+20	0.0000	0.01	Q	|	|	|	|
112+20	0.0000	0.01	Q	|	|	|	|	117+25	0.0000	0.01	Q	|	|	|	|
112+25	0.0000	0.01	Q	|	|	|	|	117+30	0.0000	0.01	Q	|	|	|	|
112+30	0.0000	0.01	Q	|	|	|	|	117+35	0.0000	0.01	Q	|	|	|	|
112+35	0.0000	0.01	Q	|	|	|	|	117+40	0.0000	0.01	Q	|	|	|	|
112+40	0.0000	0.01	Q	|	|	|	|	117+45	0.0000	0.01	Q	|	|	|	|
112+45	0.0000	0.01	Q	|	|	|	|	117+50	0.0000	0.01	Q	|	|	|	|
112+50	0.0000	0.01	Q	|	|	|	|	117+55	0.0000	0.01	Q	|	|	|	|
112+55	0.0000	0.01	Q	|	|	|	|	118+ 0	0.0000	0.01	Q	|	|	|	|
113+ 0	0.0000	0.01	Q	|	|	|	|	118+ 5	0.0000	0.01	Q	|	|	|	|
113+ 5	0.0000	0.01	Q	|	|	|	|	118+10	0.0000	0.01	Q	|	|	|	|
113+10	0.0000	0.01	Q	|	|	|	|	118+15	0.0000	0.01	Q	|	|	|	|
113+15	0.0000	0.01	Q	|	|	|	|	118+20	0.0000	0.01	Q	|	|	|	|
113+20	0.0000	0.01	Q	|	|	|	|	118+25	0.0000	0.01	Q	|	|	|	|
113+25	0.0000	0.01	Q	|	|	|	|	118+30	0.0000	0.01	Q	|	|	|	|
113+30	0.0000	0.01	Q	|	|	|	|	118+35	0.0000	0.01	Q	|	|	|	|
113+35	0.0000	0.01	Q	|	|	|	|	118+40	0.0000	0.01	Q	|	|	|	|
113+40	0.0000	0.01	Q	|	|	|	|	118+45	0.0000	0.01	Q	|	|	|	|
113+45	0.0000	0.01	Q	|	|	|	|	118+50	0.0000	0.01	Q	|	|	|	|
113+50	0.0000	0.01	Q	|	|	|	|	118+55	0.0000	0.01	Q	|	|	|	|
113+55	0.0000	0.01	Q	|	|	|	|	119+ 0	0.0000	0.01	Q	|	|	|	|
114+ 0	0.0000	0.01	Q	|	|	|	|	119+ 5	0.0000	0.01	Q	|	|	|	|
114+ 5	0.0000	0.01	Q	|	|	|	|	119+10	0.0000	0.01	Q	|	|	|	|
114+10	0.0000	0.01	Q	|	|	|	|	119+15	0.0000	0.01	Q	|	|	|	|
114+15	0.0000	0.01	Q	|	|	|	|	119+20	0.0000	0.01	Q	|	|	|	|
114+20	0.0000	0.01	Q	|	|	|	|	119+25	0.0000	0.01	Q	|	|	|	|
114+25	0.0000	0.01	Q	|	|	|	|	119+30	0.0000	0.01	Q	|	|	|	|

119+35	0.0000	0.01	Q					124+40	0.0000	0.00	Q				
119+40	0.0000	0.01	Q					124+45	0.0000	0.00	Q				
119+45	0.0000	0.01	Q					124+50	0.0000	0.00	Q				
119+50	0.0000	0.01	Q					124+55	0.0000	0.00	Q				
119+55	0.0000	0.01	Q					125+ 0	0.0000	0.00	Q				
120+ 0	0.0000	0.01	Q					125+ 5	0.0000	0.00	Q				
120+ 5	0.0000	0.01	Q					125+10	0.0000	0.00	Q				
120+10	0.0000	0.01	Q					125+15	0.0000	0.00	Q				
120+15	0.0000	0.01	Q					125+20	0.0000	0.00	Q				
120+20	0.0000	0.01	Q					125+25	0.0000	0.00	Q				
120+25	0.0000	0.01	Q					125+30	0.0000	0.00	Q				
120+30	0.0000	0.01	Q					125+35	0.0000	0.00	Q				
120+35	0.0000	0.01	Q					125+40	0.0000	0.00	Q				
120+40	0.0000	0.01	Q					125+45	0.0000	0.00	Q				
120+45	0.0000	0.01	Q					125+50	0.0000	0.00	Q				
120+50	0.0000	0.01	Q					125+55	0.0000	0.00	Q				
120+55	0.0000	0.01	Q					126+ 0	0.0000	0.00	Q				
121+ 0	0.0000	0.01	Q					126+ 5	0.0000	0.00	Q				
121+ 5	0.0000	0.01	Q					126+10	0.0000	0.00	Q				
121+10	0.0000	0.01	Q					126+15	0.0000	0.00	Q				
121+15	0.0000	0.01	Q					126+20	0.0000	0.00	Q				
121+20	0.0000	0.01	Q					126+25	0.0000	0.00	Q				
121+25	0.0000	0.01	Q					126+30	0.0000	0.00	Q				
121+30	0.0000	0.01	Q					126+35	0.0000	0.00	Q				
121+35	0.0000	0.01	Q					126+40	0.0000	0.00	Q				
121+40	0.0000	0.01	Q					126+45	0.0000	0.00	Q				
121+45	0.0000	0.01	Q					126+50	0.0000	0.00	Q				
121+50	0.0000	0.01	Q					126+55	0.0000	0.00	Q				
121+55	0.0000	0.01	Q					127+ 0	0.0000	0.00	Q				
122+ 0	0.0000	0.01	Q					127+ 5	0.0000	0.00	Q				
122+ 5	0.0000	0.01	Q					127+10	0.0000	0.00	Q				
122+10	0.0000	0.01	Q					127+15	0.0000	0.00	Q				
122+15	0.0000	0.01	Q					127+20	0.0000	0.00	Q				
122+20	0.0000	0.01	Q					127+25	0.0000	0.00	Q				
122+25	0.0000	0.01	Q					127+30	0.0000	0.00	Q				
122+30	0.0000	0.01	Q					127+35	0.0000	0.00	Q				
122+35	0.0000	0.01	Q					127+40	0.0000	0.00	Q				
122+40	0.0000	0.01	Q					127+45	0.0000	0.00	Q				
122+45	0.0000	0.01	Q					127+50	0.0000	0.00	Q				
122+50	0.0000	0.01	Q					127+55	0.0000	0.00	Q				
122+55	0.0000	0.01	Q					128+ 0	0.0000	0.00	Q				
123+ 0	0.0000	0.01	Q					128+ 5	0.0000	0.00	Q				
123+ 5	0.0000	0.01	Q					128+10	0.0000	0.00	Q				
123+10	0.0000	0.01	Q					128+15	0.0000	0.00	Q				
123+15	0.0000	0.01	Q					128+20	0.0000	0.00	Q				
123+20	0.0000	0.01	Q					128+25	0.0000	0.00	Q				
123+25	0.0000	0.01	Q					128+30	0.0000	0.00	Q				
123+30	0.0000	0.01	Q					128+35	0.0000	0.00	Q				
123+35	0.0000	0.01	Q					128+40	0.0000	0.00	Q				
123+40	0.0000	0.01	Q					128+45	0.0000	0.00	Q				
123+45	0.0000	0.01	Q					128+50	0.0000	0.00	Q				
123+50	0.0000	0.01	Q					128+55	0.0000	0.00	Q				
123+55	0.0000	0.01	Q					129+ 0	0.0000	0.00	Q				
124+ 0	0.0000	0.01	Q					129+ 5	0.0000	0.00	Q				
124+ 5	0.0000	0.01	Q					129+10	0.0000	0.00	Q				
124+10	0.0000	0.01	Q					129+15	0.0000	0.00	Q				
124+15	0.0000	0.01	Q					129+20	0.0000	0.00	Q				
124+20	0.0000	0.01	Q					129+25	0.0000	0.00	Q				
124+25	0.0000	0.00	Q					129+30	0.0000	0.00	Q				
124+30	0.0000	0.00	Q					129+35	0.0000	0.00	Q				
124+35	0.0000	0.00	Q					129+40	0.0000	0.00	Q				

129+45	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+10	0.0000	0.00	Q				
133+10	0.0000	0.00	Q					138+15	0.0000	0.00	Q				
133+15	0.0000	0.00	Q					138+20	0.0000	0.00	Q				
133+20	0.0000	0.00	Q					138+25	0.0000	0.00	Q				
133+25	0.0000	0.00	Q					138+30	0.0000	0.00	Q				
133+30	0.0000	0.00	Q					138+35	0.0000	0.00	Q				
133+35	0.0000	0.00	Q					138+40	0.0000	0.00	Q				
133+40	0.0000	0.00	Q					138+45	0.0000	0.00	Q				
133+45	0.0000	0.00	Q					138+50	0.0000	0.00	Q				
133+50	0.0000	0.00	Q					138+55	0.0000	0.00	Q				
133+55	0.0000	0.00	Q					139+ 0	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q					139+ 5	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q					139+10	0.0000	0.00	Q				
134+10	0.0000	0.00	Q					139+15	0.0000	0.00	Q				
134+15	0.0000	0.00	Q					139+20	0.0000	0.00	Q				
134+20	0.0000	0.00	Q					139+25	0.0000	0.00	Q				
134+25	0.0000	0.00	Q					139+30	0.0000	0.00	Q				
134+30	0.0000	0.00	Q					139+35	0.0000	0.00	Q				
134+35	0.0000	0.00	Q					139+40	0.0000	0.00	Q				
134+40	0.0000	0.00	Q					139+45	0.0000	0.00	Q				
134+45	0.0000	0.00	Q					139+50	0.0000	0.00	Q				

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 139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------
       ****************************HYDROGRAPH DATA****************************
                      Number of intervals =  1768
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =       67.183 (CFS)
                      Total volume =      48.448 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
       ***********************************************************************

       -----------------------------------------------------------------------



       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
       Process from Point/Station        5.300 to Point/Station        5.700
       **** STORE OR DELETE CURRENT HYDROGRAPH ****
       _______________________________________________________________________
       Current stream hydrograph of   5.0 minute
       intervals has been stored as stream number 2 with
       a starting time of   0.00 hours and ending time of  25.00 hours
       With a total volume of      39.21(Ac.Ft)
       ****************************HYDROGRAPH DATA****************************
                      Number of intervals =     0
                      Time interval =    0.0 (Min.)
                      Maximum/Peak flow rate =        0.000 (CFS)
                      Total volume =       0.000 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000    67.183     0.000     0.000     0.000
              Vol (Ac.Ft)     0.000    39.211     0.000     0.000     0.000
       ***********************************************************************

       -----------------------------------------------------------------------



       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
       Process from Point/Station        5.600 to Point/Station        5.700
       **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
       _______________________________________________________________________
       ********************* HYDROGRAPH INFORMATION **********************

                      From study/file name: MESAP5A10024100.rte
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
       -----------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

       -----------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0       38.7      77.3     116.0     154.7
 -------------------------------------------------------------------------
   0+ 5       0.0332      0.03  Q         |         |         |         |
   0+10       0.1208      0.12  Q         |         |         |         |
   0+15       0.2475      0.25  Q         |         |         |         |
   0+20       0.4405      0.44  Q         |         |         |         |
   0+25       0.7516      0.75  Q         |         |         |         |
   0+30       1.3041      1.30  Q         |         |         |         |
   0+35       1.9465      1.95  Q         |         |         |         |
   0+40       2.3362      2.34  Q         |         |         |         |
   0+45       2.7647      2.76  Q         |         |         |         |
   0+50       3.1989      3.20  Q         |         |         |         |
   0+55       3.4908      3.49  Q         |         |         |         |
   1+ 0       3.7458      3.75  Q         |         |         |         |
   1+ 5       3.9739      3.97  |Q        |         |         |         |
   1+10       4.1976      4.20  |Q        |         |         |         |
   1+15       4.4931      4.49  |Q        |         |         |         |
   1+20       4.7819      4.78  |Q        |         |         |         |
   1+25       4.8624      4.86  |Q        |         |         |         |
   1+30       4.7849      4.78  |Q        |         |         |         |
   1+35       4.6445      4.64  |Q        |         |         |         |
   1+40       4.6337      4.63  |Q        |         |         |         |
   1+45       4.6394      4.64  |Q        |         |         |         |
   1+50       4.6710      4.67  |Q        |         |         |         |
   1+55       4.7282      4.73  |Q        |         |         |         |
   2+ 0       4.8026      4.80  |Q        |         |         |         |
   2+ 5       4.8986      4.90  |Q        |         |         |         |
   2+10       5.0364      5.04  |Q        |         |         |         |
   2+15       5.2844      5.28  |Q        |         |         |         |
   2+20       5.5633      5.56  |Q        |         |         |         |
   2+25       5.6913      5.69  |Q        |         |         |         |
   2+30       5.7833      5.78  |Q        |         |         |         |
   2+35       5.8700      5.87  |Q        |         |         |         |
   2+40       5.9734      5.97  |Q        |         |         |         |
   2+45       6.0870      6.09  |Q        |         |         |         |
   2+50       6.2180      6.22  |Q        |         |         |         |
   2+55       6.3873      6.39  |Q        |         |         |         |
   3+ 0       6.6651      6.67  |Q        |         |         |         |
   3+ 5       6.9731      6.97  |Q        |         |         |         |
   3+10       7.1294      7.13  |Q        |         |         |         |
   3+15       7.2465      7.25  |Q        |         |         |         |
   3+20       7.3383      7.34  |Q        |         |         |         |
   3+25       7.4157      7.42  |Q        |         |         |         |
   3+30       7.4798      7.48  |Q        |         |         |         |
   3+35       7.5356      7.54  |Q        |         |         |         |
   3+40       7.5836      7.58  |Q        |         |         |         |
   3+45       7.6247      7.62  |Q        |         |         |         |
   3+50       7.6754      7.68  |Q        |         |         |         |
   3+55       7.7459      7.75  | Q       |         |         |         |
   4+ 0       7.8328      7.83  | Q       |         |         |         |
   4+ 5       7.9421      7.94  | Q       |         |         |         |
   4+10       8.0941      8.09  | Q       |         |         |         |
   4+15       8.3539      8.35  | Q       |         |         |         |
   4+20       8.6608      8.66  | Q       |         |         |         |
   4+25       8.8438      8.84  | Q       |         |         |         |
   4+30       9.0080      9.01  | Q       |         |         |         |
   4+35       9.1734      9.17  | Q       |         |         |         |
   4+40       9.3723      9.37  | Q       |         |         |         |
   4+45       9.6720      9.67  | Q       |         |         |         |
   4+50      10.0133     10.01  | Q       |         |         |         |
   4+55      10.2257     10.23  | Q       |         |         |         |
   5+ 0      10.4168     10.42  | Q       |         |         |         |
   5+ 5      10.5735     10.57  | Q       |         |         |         |
   5+10      10.7063     10.71  | Q       |         |         |         |
   5+15      10.8977     10.90  | Q       |         |         |         |
   5+20      11.0791     11.08  | Q       |         |         |         |
   5+25      11.0388     11.04  | Q       |         |         |         |
   5+30      10.7524     10.75  | Q       |         |         |         |
   5+35      10.4150     10.42  | Q       |         |         |         |
   5+40      10.4322     10.43  | Q       |         |         |         |
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5+45	10.6365	10.64	Q
5+50	10.9296	10.93	Q
5+55	11.1281	11.13	Q
6+ 0	11.4138	11.41	Q
6+ 5	11.7348	11.73	Q
6+10	11.9302	11.93	Q
6+15	12.1029	12.10	Q
6+20	12.2743	12.27	Q
6+25	12.4766	12.48	Q
6+30	12.7782	12.78	Q
6+35	13.1217	13.12	Q
6+40	13.3373	13.34	Q
6+45	13.5324	13.53	Q
6+50	13.7244	13.72	Q
6+55	13.9445	13.94	Q
7+ 0	14.2637	14.26	Q
7+ 5	14.6091	14.61	Q
7+10	14.7993	14.80	Q
7+15	14.9434	14.94	Q
7+20	15.0740	15.07	Q
7+25	15.2132	15.21	Q
7+30	15.3562	15.36	Q
7+35	15.5297	15.53	Q
7+40	15.7656	15.77	Q
7+45	16.1241	16.12	Q
7+50	16.5495	16.55	Q
7+55	16.8908	16.89	Q
8+ 0	17.3210	17.32	Q
8+ 5	17.8156	17.82	Q
8+10	18.2464	18.25	Q
8+15	18.7779	18.78	Q
8+20	19.3613	19.36	Q
8+25	19.8685	19.87	Q
8+30	20.5442	20.54	Q
8+35	21.2661	21.27	Q
8+40	21.6938	21.69	Q
8+45	22.0509	22.05	Q
8+50	22.4282	22.43	Q
8+55	22.9076	22.91	Q
9+ 0	23.5409	23.54	Q
9+ 5	24.4390	24.44	Q
9+10	25.5938	25.59	Q
9+15	27.2686	27.27	Q
9+20	29.3970	29.40	Q
9+25	31.6750	31.67	Q
9+30	35.0034	35.00	Q
9+35	38.7800	38.78	Q
9+40	41.4540	41.45	Q
9+45	44.3768	44.38	Q
9+50	47.4271	47.43	Q
9+55	49.9982	50.00	Q
10+ 0	52.9089	52.91	Q
10+ 5	55.3782	55.38	Q
10+10	56.3518	56.35	Q
10+15	56.9390	56.94	Q
10+20	56.6841	56.68	Q
10+25	54.1081	54.11	Q
10+30	47.6433	47.64	Q
10+35	40.2870	40.29	Q
10+40	38.1959	38.20	Q
10+45	37.6026	37.60	Q
10+50	38.2310	38.23	Q
10+55	40.2370	40.24	Q
11+ 0	45.1936	45.19	Q
11+ 5	51.0219	51.02	Q
11+10	53.3216	53.32	Q
11+15	54.7878	54.79	Q
11+20	55.7132	55.71	Q
11+25	56.2708	56.27	Q
11+30	56.1370	56.14	Q
11+35	55.5891	55.59	Q
11+40	55.4080	55.41	Q
11+45	55.1928	55.19	Q
11+50	54.8720	54.87	Q
11+55	54.2398	54.24	Q
12+ 0	52.6950	52.69	Q
12+ 5	51.5537	51.55	Q
12+10	52.9865	52.99	Q
12+15	55.8918	55.89	Q
12+20	60.0494	60.05	Q
12+25	65.2239	65.22	Q
12+30	74.0714	74.07	Q
12+35	84.2055	84.21	Q
12+40	89.8272	89.83	Q
12+45	94.9702	94.97	Q
12+50	99.8541	99.85	Q
12+55	104.2403	104.24	Q
13+ 0	109.2820	109.28	Q
13+ 5	114.8339	114.83	Q
13+10	119.5944	119.59	Q
13+15	124.8136	124.81	Q
13+20	130.4284	130.43	Q
13+25	136.1791	136.18	Q
13+30	144.1813	144.18	Q
13+35	151.8299	151.83	Q
13+40	154.3024	154.30	Q
13+45	154.6670	154.67	Q
13+50	153.0631	153.06	Q
13+55	148.6896	148.69	Q
14+ 0	138.1184	138.12	Q
14+ 5	125.8719	125.87	Q
14+10	121.6713	121.67	Q
14+15	119.5639	119.56	Q
14+20	118.8477	118.85	Q
14+25	119.2580	119.26	Q
14+30	122.1067	122.11	Q
14+35	125.7103	125.71	Q
14+40	126.4766	126.48	Q
14+45	126.1859	126.19	Q
14+50	125.3993	125.40	Q
14+55	125.1548	125.15	Q
15+ 0	124.9017	124.90	Q
15+ 5	124.4824	124.48	Q
15+10	123.7067	123.71	Q
15+15	122.4304	122.43	Q
15+20	120.8270	120.83	Q
15+25	119.5973	119.60	Q
15+30	118.0016	118.00	Q
15+35	115.9887	115.99	Q
15+40	114.0561	114.06	Q
15+45	111.3974	111.40	Q
15+50	108.2380	108.24	Q

| | | |

Time(h+m)	Add q(CFS)	Tot. Q	0	53.8	107.6	161.4	215.2
26+ 5	0.0632	0.06	Q				
26+10	0.0569	0.06	Q				
26+15	0.0507	0.05	Q				
26+20	0.0448	0.04	Q				
26+25	0.0396	0.04	Q				
26+30	0.0344	0.03	Q				
26+35	0.0301	0.03	Q				
26+40	0.0269	0.03	Q				
26+45	0.0238	0.02	Q				
26+50	0.0202	0.02	Q				
26+55	0.0161	0.02	Q				
27+ 0	0.0119	0.01	Q				
27+ 5	0.0086	0.01	Q				
27+10	0.0065	0.01	Q				
27+15	0.0044	0.00	Q				
27+20	0.0027	0.00	Q				
27+25	0.0017	0.00	Q				
27+30	0.0006	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 330
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 154.667 (CFS)
Total volume = 64.714 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	67.183	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	39.211	0.000	0.000	0.000

****

Process from Point/Station 5.700 to Point/Station 5.700
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 2 the total
volume of 39.21 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	53.8	107.6	161.4	215.2
0+ 5	0.0131	0.05	Q				
0+10	0.1115	0.23	Q				
0+15	0.3299	0.58	Q				
0+20	0.6132	1.05	Q				
0+25	0.9474	1.70	Q				
0+30	1.3311	2.64	Q				
0+35	1.7250	3.67	Q				
0+40	2.1009	4.44	Q				
0+45	2.4503	5.21	Q				
0+50	2.7769	5.98	qQ				
0+55	3.0404	6.53	qQ				
1+ 0	3.0468	6.79	qQ				
1+ 5	3.0538	7.03	qQ				
1+10	3.0607	7.26	qQ				
1+15	3.0679	7.56	qQ				
1+20	3.0755	7.86	qQ				
1+25	3.0835	7.95	qQ				
1+30	3.0919	7.88	qQ				
1+35	3.1006	7.75	qQ				
1+40	3.1096	7.74	qQ				
1+45	3.1190	7.76	qQ				
1+50	3.1289	7.80	qQ				
1+55	3.1399	7.87	qQ				
2+ 0	3.1517	7.95	qQ				
2+ 5	3.1640	8.06	qQ				
2+10	3.1769	8.21	qQ				
2+15	3.1904	8.47	qQ				
2+20	3.2043	8.77	qQ				
2+25	3.2185	8.91	qQ				
2+30	3.2329	9.02	qQ				
2+35	3.2479	9.12	qQ				
2+40	3.2699	9.24	qQ				
2+45	3.3117	9.40	qQ				
2+50	3.3542	9.57	qQ				
2+55	3.3973	9.78	qQ				
3+ 0	3.4410	10.11	qQ				
3+ 5	3.4853	10.46	qQ				
3+10	3.5301	10.66	qQ				
3+15	3.5755	10.82	q Q				
3+20	3.6214	10.96	q Q				
3+25	3.6678	11.08	q Q				
3+30	3.7147	11.19	q Q				
3+35	3.7618	11.30	q Q				
3+40	3.8091	11.39	q Q				
3+45	3.8564	11.48	q Q				
3+50	3.9045	11.58	q Q				
3+55	3.9544	11.70	q Q				
4+ 0	4.0055	11.84	q Q				
4+ 5	4.0569	12.00	q Q				
4+10	4.1038	12.20	q Q				
4+15	4.1269	12.48	q Q				
4+20	4.1507	12.81	q Q				
4+25	4.1755	13.02	q Q				
4+30	4.2012	13.21	q Q				
4+35	4.2273	13.40	q Q				
4+40	4.2538	13.63	q Q				
4+45	4.2806	13.95	q Q				
4+50	4.3082	14.32	q Q				
4+55	4.3367	14.56	q Q				
5+ 0	4.3661	14.78	q Q				
5+ 5	4.3951	14.97	q Q				
5+10	4.4230	15.13	q Q				
5+15	4.4501	15.35	q Q				
5+20	4.4777	15.56	q Q				
5+25	4.5062	15.55	q Q				
5+30	4.5354	15.29	q Q				
5+35	4.5632	14.98	q Q				
5+40	4.5827	15.01	q Q				
5+45	4.6027	15.24	q Q				
5+50	4.6229	15.55	q Q				
5+55	4.6434	15.77	q Q				
6+ 0	4.6641	16.08	q Q				

6+ 5	4.6852	16.42	q	Q	|	|	|	|	11+10	7.3051	60.63	|q	|Q	|	|	|
6+10	4.7070	16.64	q	Q	|	|	|	|	11+15	8.3378	63.13	|q	|Q	|	|	|
6+15	4.7292	16.83	q	Q	|	|	|	|	11+20	9.3150	65.03	|q	Q	|	|	|
6+20	4.7516	17.03	q	Q	|	|	|	|	11+25	10.2409	66.51	|q	Q	|	|	|
6+25	4.7742	17.25	q	Q	|	|	|	|	11+30	11.1186	67.26	q	Q	|	|	|
6+30	4.7971	17.58	q	Q	|	|	|	|	11+35	12.0341	67.62	q	Q	|	|	|
6+35	4.8203	17.94	q	Q	|	|	|	|	11+40	13.1508	68.56	q	Q	|	|	|
6+40	4.8443	18.18	q	Q	|	|	|	|	11+45	14.4912	69.68	q	Q	|	|	|
6+45	4.8688	18.40	q	Q	|	|	|	|	11+50	15.9522	70.82	q	Q	|	|	|
6+50	4.8936	18.62	q	Q	|	|	|	|	11+55	17.4627	71.70	q	Q	|	|	|
6+55	4.9186	18.86	q	Q	|	|	|	|	12+ 0	18.6508	71.35	q	Q	|	|	|
7+ 0	4.9357	19.20	q	Q	|	|	|	|	12+ 5	19.5845	71.14	q	Q	|	|	|
7+ 5	4.9525	19.56	q	Q	|	|	|	|	12+10	20.5915	73.58	q	Q	|	|	|
7+10	4.9695	19.77	q	Q	|	|	|	|	12+15	21.6877	77.58	q	Q	|	|	|
7+15	4.9865	19.93	q	Q	|	|	|	|	12+20	22.8728	82.92	q	Q	|	|	|
7+20	5.0039	20.08	q	Q	|	|	|	|	12+25	24.1394	89.36	q	Q	|	|	|
7+25	5.0217	20.23	q	Q	|	|	|	|	12+30	25.4664	99.54	q	Q	|	|	|
7+30	5.0399	20.40	q	Q	|	|	|	|	12+35	27.2381	111.44	q	Q	|	|	|
7+35	5.0584	20.59	q	Q	|	|	|	|	12+40	29.4300	119.26	q	Q	|	|	|
7+40	5.0774	20.84	q	Q	|	|	|	|	12+45	31.6149	126.59	q	Q	|	|	|
7+45	5.0968	21.22	q	Q	|	|	|	|	12+50	33.7806	133.63	q	Q	|	|	|
7+50	5.1167	21.67	q	Q	|	|	|	|	12+55	35.9204	140.16	q	Q	|	|	|
7+55	5.1371	22.03	q	Q	|	|	|	|	13+ 0	38.0220	147.30	q	Q	|	|	|
8+ 0	5.1581	22.48	q	Q	|	|	|	|	13+ 5	40.0813	154.92	q	Q	|	|	|
8+ 5	5.1796	23.00	q	Q	|	|	|	|	13+10	41.4072	161.00	q	Q	|	|	|
8+10	5.2023	23.45	q	Q	|	|	|	|	13+15	42.7832	167.60	q	Q	|	|	|
8+15	5.2219	24.00	q	Q	|	|	|	|	13+20	44.2050	174.63	q	Q	|	|	|
8+20	5.2399	24.60	q	Q	|	|	|	|	13+25	45.6610	181.84	q	Q	|	|	|
8+25	5.2581	25.13	q	Q	|	|	|	|	13+30	47.1328	191.31	q	Q	|	|	|
8+30	5.2764	25.82	q	Q	|	|	|	|	13+35	48.5641	200.39	q	Q	|	|	|
8+35	5.2950	26.56	q	Q	|	|	|	|	13+40	51.6858	205.99	q	Q	|	|	|
8+40	5.3142	27.01	q	Q	|	|	|	|	13+45	58.1192	212.79	q	Q	|	|	|
8+45	5.3337	27.38	q	Q	|	|	|	|	13+50	62.1429	215.21	|q	Q	|	|	|
8+50	5.3536	27.78	q	Q	|	|	|	|	13+55	64.3360	213.03	|q	Q	|	|	|
8+55	5.3740	28.28	q	Q	|	|	|	|	14+ 0	65.2726	203.39	q	Q	|	|	|
9+ 0	5.3947	28.94	|q	Q	|	|	|	|	14+ 5	65.4974	191.37	q	Q	|	|	|
9+ 5	5.4160	29.86	|q	Q	|	|	|	|	14+10	65.4954	187.17	q	Q	|	|	|
9+10	5.4382	31.03	|q	Q	|	|	|	|	14+15	65.5363	185.10	q	Q	|	|	|
9+15	5.4609	32.73	|q	Q	|	|	|	|	14+20	65.7002	184.55	q	Q	|	|	|
9+20	5.4812	34.88	|q	Q	|	|	|	|	14+25	65.9615	185.22	q	Q	|	|	|
9+25	5.5001	37.18	|q	Q	|	|	|	|	14+30	66.2581	188.36	q	Q	|	|	|
9+30	5.5195	40.52	|q	Q	|	|	|	|	14+35	66.5436	192.25	q	Q	|	|	|
9+35	5.5395	44.32	|q	Q	|	|	|	|	14+40	66.7901	193.27	q	Q	|	|	|
9+40	5.5607	47.01	|q	Q	|	|	|	|	14+45	66.9923	193.18	q	Q	|	|	|
9+45	5.5829	49.96	|q	Q|	|	|	|	|	14+50	67.1333	192.53	q	Q	|	|	|
9+50	5.6061	53.03	|q	Q|	|	|	|	|	14+55	67.1831	192.34	q	Q	|	|	|
9+55	5.6305	55.63	|q	Q	|	|	|	|	15+ 0	67.1373	192.04	q	Q	|	|	|
10+ 0	5.6560	58.56	|q	Q	|	|	|	|	15+ 5	66.9896	191.47	q	Q	|	|	|
10+ 5	5.6811	61.06	|q	|Q	|	|	|	|	15+10	66.7260	190.43	q	Q	|	|	|
10+10	5.7049	62.06	|q	|Q	|	|	|	|	15+15	66.3650	188.80	q	Q	|	|	|
10+15	5.7237	62.66	|q	|Q	|	|	|	|	15+20	65.9185	186.75	q	Q	|	|	|
10+20	5.7416	62.43	|q	|Q	|	|	|	|	15+25	65.3842	184.98	q	Q	|	|	|
10+25	5.7596	59.87	|q	|Q	|	|	|	|	15+30	64.7857	182.79	q	Q	|	|	|
10+30	5.7779	53.42	|q	Q|	|	|	|	|	15+35	64.0711	180.06	|q	Q	|	|	|
10+35	5.7969	46.08	|q	Q	|	|	|	|	15+40	63.1249	177.18	|q	Q	|	|	|
10+40	5.8172	44.01	|q	Q	|	|	|	|	15+45	61.9357	173.33	|q	Q	|	|	|
10+45	5.8383	43.44	|q	Q	|	|	|	|	15+50	60.5649	168.80	|q	Q	|	|	|
10+50	5.8598	44.09	|q	Q	|	|	|	|	15+55	59.0972	164.10	q	Q	|	|	|
10+55	5.8816	46.12	|q	Q	|	|	|	|	16+ 0	57.6361	157.50	q	Q	|	|	|
11+ 0	5.9036	51.10	|q	Q|	|	|	|	|	16+ 5	55.9552	149.41	q	Q	|	|	|
11+ 5	6.2073	57.23	|q	Q	|	|	|	|	16+10	53.5617	142.25	q	Q	|	|	|

16+15	50.2950	134.08	|	q|	|	Q	|	|	|	21+20	18.1600	22.16	|	qQ	|	|	|	|
16+20	48.9824	127.16	|	q|	|	Q	|	|	|	21+25	17.8645	21.82	|	qQ	|	|	|	|
16+25	48.1461	118.82	|	q |	|	Q	|	|	|	21+30	17.5748	21.63	|	qQ	|	|	|	|
16+30	47.1534	105.39	|	q |	|	Q|	|	|	|	21+35	17.2977	21.49	|	Q	|	|	|	|
16+35	46.0974	90.49	|	q |	|	Q	|	|	|	21+40	17.0371	21.21	|	Q	|	|	|	|
16+40	45.0588	82.62	|	q |	|	Q	|	|	|	21+45	16.7896	20.83	|	Q	|	|	|	|
16+45	44.0535	76.55	|	q |	|	Q	|	|	|	21+50	16.5474	20.41	|	Q	|	|	|	|
16+50	43.0833	71.59	|	q |	|	Q	|	|	|	21+55	16.3057	20.16	|	Q	|	|	|	|
16+55	42.1468	67.21	|	q |	Q	|	|	|	|	22+ 0	16.0672	20.03	|	qQ	|	|	|	|
17+ 0	41.2430	63.30	|	q |	Q	|	|	|	|	22+ 5	15.8388	19.96	|	qQ	|	|	|	|
17+ 5	40.3748	59.80	|	q |	Q	|	|	|	|	22+10	15.6246	19.73	|	qQ	|	|	|	|
17+10	39.2533	56.60	|	q |	Q	|	|	|	|	22+15	15.4213	19.40	|	qQ	|	|	|	|
17+15	38.0155	53.64	|	q |	Q	|	|	|	|	22+20	15.2212	19.04	|	qQ	|	|	|	|
17+20	36.8499	51.04	|	q |	Q	|	|	|	|	22+25	15.0197	18.83	|	qQ	|	|	|	|
17+25	35.7515	48.81	|	q |	Q	|	|	|	|	22+30	14.8195	18.74	|	qQ	|	|	|	|
17+30	34.7164	47.07	|	q |	Q	|	|	|	|	22+35	14.6242	18.69	|	qQ	|	|	|	|
17+35	33.7408	45.61	|	q |	Q	|	|	|	|	22+40	14.4336	18.45	|	qQ	|	|	|	|
17+40	32.8211	44.08	|	q |	Q	|	|	|	|	22+45	14.2498	18.08	|	qQ	|	|	|	|
17+45	31.9540	42.68	|	q |	Q	|	|	|	|	22+50	14.0754	17.67	|	qQ	|	|	|	|
17+50	31.1330	41.35	|	q |	Q	|	|	|	|	22+55	13.9107	17.42	|	qQ	|	|	|	|
17+55	30.3514	40.09	|	q |	Q	|	|	|	|	23+ 0	13.7550	17.20	|	qQ	|	|	|	|
18+ 0	29.6093	38.93	|	q |	Q	|	|	|	|	23+ 5	13.6079	17.01	|	qQ	|	|	|	|
18+ 5	28.9080	37.90	|	q |	Q	|	|	|	|	23+10	13.4687	16.83	|	qQ	|	|	|	|
18+10	28.2454	36.98	|	qQ	|	|	|	|	|	23+15	13.3369	16.66	|	qQ	|	|	|	|
18+15	27.6190	35.97	|	qQ	|	|	|	|	|	23+20	13.2121	16.51	|	qQ	|	|	|	|
18+20	27.0268	34.97	|	qQ	|	|	|	|	|	23+25	13.0938	16.37	|	qQ	|	|	|	|
18+25	26.4666	34.16	|	q Q	|	|	|	|	|	23+30	12.9816	16.24	|	qQ	|	|	|	|
18+30	26.0108	33.48	|	q Q	|	|	|	|	|	23+35	12.8752	16.12	|	Q	|	|	|	|
18+35	25.6872	32.97	|	q Q	|	|	|	|	|	23+40	12.7741	16.00	|	Q	|	|	|	|
18+40	25.3690	32.48	|	q Q	|	|	|	|	|	23+45	12.6781	15.89	|	Q	|	|	|	|
18+45	25.0574	31.99	|	qQ	|	|	|	|	|	23+50	12.5867	15.78	|	Q	|	|	|	|
18+50	24.7516	31.46	|	qQ	|	|	|	|	|	23+55	12.4998	15.69	|	Q	|	|	|	|
18+55	24.4490	30.86	|	qQ	|	|	|	|	|	24+ 0	12.4169	15.60	|	Q	|	|	|	|
19+ 0	24.1511	30.13	|	qQ	|	|	|	|	|	24+ 5	12.3308	15.47	|	Q	|	|	|	|
19+ 5	23.8620	29.39	|	qQ	|	|	|	|	|	24+10	12.2333	15.28	|	Q	|	|	|	|
19+10	23.5842	28.82	|	qQ	|	|	|	|	|	24+15	12.1311	15.04	|	Q	|	|	|	|
19+15	23.3157	28.22	|	qQ	|	|	|	|	|	24+20	12.0323	14.76	|	Q	|	|	|	|
19+20	23.0560	27.66	|	qQ	|	|	|	|	|	24+25	11.9376	14.40	|	Q	|	|	|	|
19+25	22.8072	27.36	|	qQ	|	|	|	|	|	24+30	11.8469	13.82	|	Q	|	|	|	|
19+30	22.5674	27.26	|	qQ	|	|	|	|	|	24+35	11.7598	13.18	|	Q	|	|	|	|
19+35	22.3318	27.23	|	qQ	|	|	|	|	|	24+40	11.6760	12.84	|	Q	|	|	|	|
19+40	22.0978	27.11	|	qQ	|	|	|	|	|	24+45	11.5951	12.57	|	Q	|	|	|	|
19+45	21.8668	27.07	|	qQ	|	|	|	|	|	24+50	11.5168	12.35	|	Q	|	|	|	|
19+50	21.6389	27.01	|	qQ	|	|	|	|	|	24+55	11.4409	12.15	|	Q	|	|	|	|
19+55	21.4115	26.73	|	qQ	|	|	|	|	|	25+ 0	11.3673	11.98	|	Q	|	|	|	|
20+ 0	21.1864	26.28	|	qQ	|	|	|	|	|	25+ 5	0.0000	0.52	Q	|	|	|	|	|
20+ 5	20.9678	25.78	|	qQ	|	|	|	|	|	25+10	0.0000	0.45	Q	|	|	|	|	|
20+10	20.7582	25.41	|	qQ	|	|	|	|	|	25+15	0.0000	0.38	Q	|	|	|	|	|
20+15	20.5556	24.98	|	qQ	|	|	|	|	|	25+20	0.0000	0.33	Q	|	|	|	|	|
20+20	20.3576	24.56	|	qQ	|	|	|	|	|	25+25	0.0000	0.28	Q	|	|	|	|	|
20+25	20.1639	24.35	|	qQ	|	|	|	|	|	25+30	0.0000	0.23	Q	|	|	|	|	|
20+30	19.9743	24.30	|	qQ	|	|	|	|	|	25+35	0.0000	0.19	Q	|	|	|	|	|
20+35	19.7882	24.30	|	qQ	|	|	|	|	|	25+40	0.0000	0.16	Q	|	|	|	|	|
20+40	19.6046	24.18	|	qQ	|	|	|	|	|	25+45	0.0000	0.13	Q	|	|	|	|	|
20+45	19.4227	24.03	|	qQ	|	|	|	|	|	25+50	0.0000	0.11	Q	|	|	|	|	|
20+50	19.2403	23.85	|	qQ	|	|	|	|	|	25+55	0.0000	0.09	Q	|	|	|	|	|
20+55	19.0550	23.64	|	qQ	|	|	|	|	|	26+ 0	0.0000	0.07	Q	|	|	|	|	|
21+ 0	18.8685	23.40	|	qQ	|	|	|	|	|	26+ 5	0.0000	0.06	Q	|	|	|	|	|
21+ 5	18.6850	23.15	|	qQ	|	|	|	|	|	26+10	0.0000	0.06	Q	|	|	|	|	|
21+10	18.5073	22.88	|	qQ	|	|	|	|	|	26+15	0.0000	0.05	Q	|	|	|	|	|
21+15	18.3337	22.53	|	qQ	|	|	|	|	|	26+20	0.0000	0.04	Q	|	|	|	|	|

26+25	0.0000	0.04	Q					31+30	0.0000	0.00	Q				
26+30	0.0000	0.03	Q					31+35	0.0000	0.00	Q				
26+35	0.0000	0.03	Q					31+40	0.0000	0.00	Q				
26+40	0.0000	0.03	Q					31+45	0.0000	0.00	Q				
26+45	0.0000	0.02	Q					31+50	0.0000	0.00	Q				
26+50	0.0000	0.02	Q					31+55	0.0000	0.00	Q				
26+55	0.0000	0.02	Q					32+ 0	0.0000	0.00	Q				
27+ 0	0.0000	0.01	Q					32+ 5	0.0000	0.00	Q				
27+ 5	0.0000	0.01	Q					32+10	0.0000	0.00	Q				
27+10	0.0000	0.01	Q					32+15	0.0000	0.00	Q				
27+15	0.0000	0.00	Q					32+20	0.0000	0.00	Q				
27+20	0.0000	0.00	Q					32+25	0.0000	0.00	Q				
27+25	0.0000	0.00	Q					32+30	0.0000	0.00	Q				
27+30	0.0000	0.00	Q					32+35	0.0000	0.00	Q				
27+35	0.0000	0.00	Q					32+40	0.0000	0.00	Q				
27+40	0.0000	0.00	Q					32+45	0.0000	0.00	Q				
27+45	0.0000	0.00	Q					32+50	0.0000	0.00	Q				
27+50	0.0000	0.00	Q					32+55	0.0000	0.00	Q				
27+55	0.0000	0.00	Q					33+ 0	0.0000	0.00	Q				
28+ 0	0.0000	0.00	Q					33+ 5	0.0000	0.00	Q				
28+ 5	0.0000	0.00	Q					33+10	0.0000	0.00	Q				
28+10	0.0000	0.00	Q					33+15	0.0000	0.00	Q				
28+15	0.0000	0.00	Q					33+20	0.0000	0.00	Q				
28+20	0.0000	0.00	Q					33+25	0.0000	0.00	Q				
28+25	0.0000	0.00	Q					33+30	0.0000	0.00	Q				
28+30	0.0000	0.00	Q					33+35	0.0000	0.00	Q				
28+35	0.0000	0.00	Q					33+40	0.0000	0.00	Q				
28+40	0.0000	0.00	Q					33+45	0.0000	0.00	Q				
28+45	0.0000	0.00	Q					33+50	0.0000	0.00	Q				
28+50	0.0000	0.00	Q					33+55	0.0000	0.00	Q				
28+55	0.0000	0.00	Q					34+ 0	0.0000	0.00	Q				
29+ 0	0.0000	0.00	Q					34+ 5	0.0000	0.00	Q				
29+ 5	0.0000	0.00	Q					34+10	0.0000	0.00	Q				
29+10	0.0000	0.00	Q					34+15	0.0000	0.00	Q				
29+15	0.0000	0.00	Q					34+20	0.0000	0.00	Q				
29+20	0.0000	0.00	Q					34+25	0.0000	0.00	Q				
29+25	0.0000	0.00	Q					34+30	0.0000	0.00	Q				
29+30	0.0000	0.00	Q					34+35	0.0000	0.00	Q				
29+35	0.0000	0.00	Q					34+40	0.0000	0.00	Q				
29+40	0.0000	0.00	Q					34+45	0.0000	0.00	Q				
29+45	0.0000	0.00	Q					34+50	0.0000	0.00	Q				
29+50	0.0000	0.00	Q					34+55	0.0000	0.00	Q				
29+55	0.0000	0.00	Q					35+ 0	0.0000	0.00	Q				
30+ 0	0.0000	0.00	Q					35+ 5	0.0000	0.00	Q				
30+ 5	0.0000	0.00	Q					35+10	0.0000	0.00	Q				
30+10	0.0000	0.00	Q					35+15	0.0000	0.00	Q				
30+15	0.0000	0.00	Q					35+20	0.0000	0.00	Q				
30+20	0.0000	0.00	Q					35+25	0.0000	0.00	Q				
30+25	0.0000	0.00	Q					35+30	0.0000	0.00	Q				
30+30	0.0000	0.00	Q					35+35	0.0000	0.00	Q				
30+35	0.0000	0.00	Q					35+40	0.0000	0.00	Q				
30+40	0.0000	0.00	Q					35+45	0.0000	0.00	Q				
30+45	0.0000	0.00	Q					35+50	0.0000	0.00	Q				
30+50	0.0000	0.00	Q					35+55	0.0000	0.00	Q				
30+55	0.0000	0.00	Q					36+ 0	0.0000	0.00	Q				
31+ 0	0.0000	0.00	Q					36+ 5	0.0000	0.00	Q				
31+ 5	0.0000	0.00	Q					36+10	0.0000	0.00	Q				
31+10	0.0000	0.00	Q					36+15	0.0000	0.00	Q				
31+15	0.0000	0.00	Q					36+20	0.0000	0.00	Q				
31+20	0.0000	0.00	Q					36+25	0.0000	0.00	Q				
31+25	0.0000	0.00	Q					36+30	0.0000	0.00	Q				

36+35	0.0000	0.00	Q					41+40	0.0000	0.00	Q				
36+40	0.0000	0.00	Q					41+45	0.0000	0.00	Q				
36+45	0.0000	0.00	Q					41+50	0.0000	0.00	Q				
36+50	0.0000	0.00	Q					41+55	0.0000	0.00	Q				
36+55	0.0000	0.00	Q					42+ 0	0.0000	0.00	Q				
37+ 0	0.0000	0.00	Q					42+ 5	0.0000	0.00	Q				
37+ 5	0.0000	0.00	Q					42+10	0.0000	0.00	Q				
37+10	0.0000	0.00	Q					42+15	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+15	0.0000	0.00	Q					43+20	0.0000	0.00	Q				
38+20	0.0000	0.00	Q					43+25	0.0000	0.00	Q				
38+25	0.0000	0.00	Q					43+30	0.0000	0.00	Q				
38+30	0.0000	0.00	Q					43+35	0.0000	0.00	Q				
38+35	0.0000	0.00	Q					43+40	0.0000	0.00	Q				
38+40	0.0000	0.00	Q					43+45	0.0000	0.00	Q				
38+45	0.0000	0.00	Q					43+50	0.0000	0.00	Q				
38+50	0.0000	0.00	Q					43+55	0.0000	0.00	Q				
38+55	0.0000	0.00	Q					44+ 0	0.0000	0.00	Q				
39+ 0	0.0000	0.00	Q					44+ 5	0.0000	0.00	Q				
39+ 5	0.0000	0.00	Q					44+10	0.0000	0.00	Q				
39+10	0.0000	0.00	Q					44+15	0.0000	0.00	Q				
39+15	0.0000	0.00	Q					44+20	0.0000	0.00	Q				
39+20	0.0000	0.00	Q					44+25	0.0000	0.00	Q				
39+25	0.0000	0.00	Q					44+30	0.0000	0.00	Q				
39+30	0.0000	0.00	Q					44+35	0.0000	0.00	Q				
39+35	0.0000	0.00	Q					44+40	0.0000	0.00	Q				
39+40	0.0000	0.00	Q					44+45	0.0000	0.00	Q				
39+45	0.0000	0.00	Q					44+50	0.0000	0.00	Q				
39+50	0.0000	0.00	Q					44+55	0.0000	0.00	Q				
39+55	0.0000	0.00	Q					45+ 0	0.0000	0.00	Q				
40+ 0	0.0000	0.00	Q					45+ 5	0.0000	0.00	Q				
40+ 5	0.0000	0.00	Q					45+10	0.0000	0.00	Q				
40+10	0.0000	0.00	Q					45+15	0.0000	0.00	Q				
40+15	0.0000	0.00	Q					45+20	0.0000	0.00	Q				
40+20	0.0000	0.00	Q					45+25	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+15	0.0000	0.00	Q					46+20	0.0000	0.00	Q				
41+20	0.0000	0.00	Q					46+25	0.0000	0.00	Q				
41+25	0.0000	0.00	Q					46+30	0.0000	0.00	Q				
41+30	0.0000	0.00	Q					46+35	0.0000	0.00	Q				
41+35	0.0000	0.00	Q					46+40	0.0000	0.00	Q				

46+45	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+45	0.0000	0.00	Q					52+50	0.0000	0.00	Q				
47+50	0.0000	0.00	Q					52+55	0.0000	0.00	Q				
47+55	0.0000	0.00	Q					53+ 0	0.0000	0.00	Q				
48+ 0	0.0000	0.00	Q					53+ 5	0.0000	0.00	Q				
48+ 5	0.0000	0.00	Q					53+10	0.0000	0.00	Q				
48+10	0.0000	0.00	Q					53+15	0.0000	0.00	Q				
48+15	0.0000	0.00	Q					53+20	0.0000	0.00	Q				
48+20	0.0000	0.00	Q					53+25	0.0000	0.00	Q				
48+25	0.0000	0.00	Q					53+30	0.0000	0.00	Q				
48+30	0.0000	0.00	Q					53+35	0.0000	0.00	Q				
48+35	0.0000	0.00	Q					53+40	0.0000	0.00	Q				
48+40	0.0000	0.00	Q					53+45	0.0000	0.00	Q				
48+45	0.0000	0.00	Q					53+50	0.0000	0.00	Q				
48+50	0.0000	0.00	Q					53+55	0.0000	0.00	Q				
48+55	0.0000	0.00	Q					54+ 0	0.0000	0.00	Q				
49+ 0	0.0000	0.00	Q					54+ 5	0.0000	0.00	Q				
49+ 5	0.0000	0.00	Q					54+10	0.0000	0.00	Q				
49+10	0.0000	0.00	Q					54+15	0.0000	0.00	Q				
49+15	0.0000	0.00	Q					54+20	0.0000	0.00	Q				
49+20	0.0000	0.00	Q					54+25	0.0000	0.00	Q				
49+25	0.0000	0.00	Q					54+30	0.0000	0.00	Q				
49+30	0.0000	0.00	Q					54+35	0.0000	0.00	Q				
49+35	0.0000	0.00	Q					54+40	0.0000	0.00	Q				
49+40	0.0000	0.00	Q					54+45	0.0000	0.00	Q				
49+45	0.0000	0.00	Q					54+50	0.0000	0.00	Q				
49+50	0.0000	0.00	Q					54+55	0.0000	0.00	Q				
49+55	0.0000	0.00	Q					55+ 0	0.0000	0.00	Q				
50+ 0	0.0000	0.00	Q					55+ 5	0.0000	0.00	Q				
50+ 5	0.0000	0.00	Q					55+10	0.0000	0.00	Q				
50+10	0.0000	0.00	Q					55+15	0.0000	0.00	Q				
50+15	0.0000	0.00	Q					55+20	0.0000	0.00	Q				
50+20	0.0000	0.00	Q					55+25	0.0000	0.00	Q				
50+25	0.0000	0.00	Q					55+30	0.0000	0.00	Q				
50+30	0.0000	0.00	Q					55+35	0.0000	0.00	Q				
50+35	0.0000	0.00	Q					55+40	0.0000	0.00	Q				
50+40	0.0000	0.00	Q					55+45	0.0000	0.00	Q				
50+45	0.0000	0.00	Q					55+50	0.0000	0.00	Q				
50+50	0.0000	0.00	Q					55+55	0.0000	0.00	Q				
50+55	0.0000	0.00	Q					56+ 0	0.0000	0.00	Q				
51+ 0	0.0000	0.00	Q					56+ 5	0.0000	0.00	Q				
51+ 5	0.0000	0.00	Q					56+10	0.0000	0.00	Q				
51+10	0.0000	0.00	Q					56+15	0.0000	0.00	Q				
51+15	0.0000	0.00	Q					56+20	0.0000	0.00	Q				
51+20	0.0000	0.00	Q					56+25	0.0000	0.00	Q				
51+25	0.0000	0.00	Q					56+30	0.0000	0.00	Q				
51+30	0.0000	0.00	Q					56+35	0.0000	0.00	Q				
51+35	0.0000	0.00	Q					56+40	0.0000	0.00	Q				
51+40	0.0000	0.00	Q					56+45	0.0000	0.00	Q				
51+45	0.0000	0.00	Q					56+50	0.0000	0.00	Q				

56+55	0.0000	0.00	Q					62+ 0	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+55	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				
59+ 0	0.0000	0.00	Q					64+ 5	0.0000	0.00	Q				
59+ 5	0.0000	0.00	Q					64+10	0.0000	0.00	Q				
59+10	0.0000	0.00	Q					64+15	0.0000	0.00	Q				
59+15	0.0000	0.00	Q					64+20	0.0000	0.00	Q				
59+20	0.0000	0.00	Q					64+25	0.0000	0.00	Q				
59+25	0.0000	0.00	Q					64+30	0.0000	0.00	Q				
59+30	0.0000	0.00	Q					64+35	0.0000	0.00	Q				
59+35	0.0000	0.00	Q					64+40	0.0000	0.00	Q				
59+40	0.0000	0.00	Q					64+45	0.0000	0.00	Q				
59+45	0.0000	0.00	Q					64+50	0.0000	0.00	Q				
59+50	0.0000	0.00	Q					64+55	0.0000	0.00	Q				
59+55	0.0000	0.00	Q					65+ 0	0.0000	0.00	Q				
60+ 0	0.0000	0.00	Q					65+ 5	0.0000	0.00	Q				
60+ 5	0.0000	0.00	Q					65+10	0.0000	0.00	Q				
60+10	0.0000	0.00	Q					65+15	0.0000	0.00	Q				
60+15	0.0000	0.00	Q					65+20	0.0000	0.00	Q				
60+20	0.0000	0.00	Q					65+25	0.0000	0.00	Q				
60+25	0.0000	0.00	Q					65+30	0.0000	0.00	Q				
60+30	0.0000	0.00	Q					65+35	0.0000	0.00	Q				
60+35	0.0000	0.00	Q					65+40	0.0000	0.00	Q				
60+40	0.0000	0.00	Q					65+45	0.0000	0.00	Q				
60+45	0.0000	0.00	Q					65+50	0.0000	0.00	Q				
60+50	0.0000	0.00	Q					65+55	0.0000	0.00	Q				
60+55	0.0000	0.00	Q					66+ 0	0.0000	0.00	Q				
61+ 0	0.0000	0.00	Q					66+ 5	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+55	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				

67+ 5	0.0000	0.00	Q					72+10	0.0000	0.00	Q				
67+10	0.0000	0.00	Q					72+15	0.0000	0.00	Q				
67+15	0.0000	0.00	Q					72+20	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+25	0.0000	0.00	Q					73+30	0.0000	0.00	Q				
68+30	0.0000	0.00	Q					73+35	0.0000	0.00	Q				
68+35	0.0000	0.00	Q					73+40	0.0000	0.00	Q				
68+40	0.0000	0.00	Q					73+45	0.0000	0.00	Q				
68+45	0.0000	0.00	Q					73+50	0.0000	0.00	Q				
68+50	0.0000	0.00	Q					73+55	0.0000	0.00	Q				
68+55	0.0000	0.00	Q					74+ 0	0.0000	0.00	Q				
69+ 0	0.0000	0.00	Q					74+ 5	0.0000	0.00	Q				
69+ 5	0.0000	0.00	Q					74+10	0.0000	0.00	Q				
69+10	0.0000	0.00	Q					74+15	0.0000	0.00	Q				
69+15	0.0000	0.00	Q					74+20	0.0000	0.00	Q				
69+20	0.0000	0.00	Q					74+25	0.0000	0.00	Q				
69+25	0.0000	0.00	Q					74+30	0.0000	0.00	Q				
69+30	0.0000	0.00	Q					74+35	0.0000	0.00	Q				
69+35	0.0000	0.00	Q					74+40	0.0000	0.00	Q				
69+40	0.0000	0.00	Q					74+45	0.0000	0.00	Q				
69+45	0.0000	0.00	Q					74+50	0.0000	0.00	Q				
69+50	0.0000	0.00	Q					74+55	0.0000	0.00	Q				
69+55	0.0000	0.00	Q					75+ 0	0.0000	0.00	Q				
70+ 0	0.0000	0.00	Q					75+ 5	0.0000	0.00	Q				
70+ 5	0.0000	0.00	Q					75+10	0.0000	0.00	Q				
70+10	0.0000	0.00	Q					75+15	0.0000	0.00	Q				
70+15	0.0000	0.00	Q					75+20	0.0000	0.00	Q				
70+20	0.0000	0.00	Q					75+25	0.0000	0.00	Q				
70+25	0.0000	0.00	Q					75+30	0.0000	0.00	Q				
70+30	0.0000	0.00	Q					75+35	0.0000	0.00	Q				
70+35	0.0000	0.00	Q					75+40	0.0000	0.00	Q				
70+40	0.0000	0.00	Q					75+45	0.0000	0.00	Q				
70+45	0.0000	0.00	Q					75+50	0.0000	0.00	Q				
70+50	0.0000	0.00	Q					75+55	0.0000	0.00	Q				
70+55	0.0000	0.00	Q					76+ 0	0.0000	0.00	Q				
71+ 0	0.0000	0.00	Q					76+ 5	0.0000	0.00	Q				
71+ 5	0.0000	0.00	Q					76+10	0.0000	0.00	Q				
71+10	0.0000	0.00	Q					76+15	0.0000	0.00	Q				
71+15	0.0000	0.00	Q					76+20	0.0000	0.00	Q				
71+20	0.0000	0.00	Q					76+25	0.0000	0.00	Q				
71+25	0.0000	0.00	Q					76+30	0.0000	0.00	Q				
71+30	0.0000	0.00	Q					76+35	0.0000	0.00	Q				
71+35	0.0000	0.00	Q					76+40	0.0000	0.00	Q				
71+40	0.0000	0.00	Q					76+45	0.0000	0.00	Q				
71+45	0.0000	0.00	Q					76+50	0.0000	0.00	Q				
71+50	0.0000	0.00	Q					76+55	0.0000	0.00	Q				
71+55	0.0000	0.00	Q					77+ 0	0.0000	0.00	Q				
72+ 0	0.0000	0.00	Q					77+ 5	0.0000	0.00	Q				
72+ 5	0.0000	0.00	Q					77+10	0.0000	0.00	Q				

77+15	0.0000	0.00	Q					82+20	0.0000	0.00	Q					
77+20	0.0000	0.00	Q					82+25	0.0000	0.00	Q					
77+25	0.0000	0.00	Q					82+30	0.0000	0.00	Q					
77+30	0.0000	0.00	Q					82+35	0.0000	0.00	Q					
77+35	0.0000	0.00	Q					82+40	0.0000	0.00	Q					
77+40	0.0000	0.00	Q					82+45	0.0000	0.00	Q					
77+45	0.0000	0.00	Q					82+50	0.0000	0.00	Q					
77+50	0.0000	0.00	Q					82+55	0.0000	0.00	Q					
77+55	0.0000	0.00	Q					83+ 0	0.0000	0.00	Q					
78+ 0	0.0000	0.00	Q					83+ 5	0.0000	0.00	Q					
78+ 5	0.0000	0.00	Q					83+10	0.0000	0.00	Q					
78+10	0.0000	0.00	Q					83+15	0.0000	0.00	Q					
78+15	0.0000	0.00	Q					83+20	0.0000	0.00	Q					
78+20	0.0000	0.00	Q					83+25	0.0000	0.00	Q					
78+25	0.0000	0.00	Q					83+30	0.0000	0.00	Q					
78+30	0.0000	0.00	Q					83+35	0.0000	0.00	Q					
78+35	0.0000	0.00	Q					83+40	0.0000	0.00	Q					
78+40	0.0000	0.00	Q					83+45	0.0000	0.00	Q					
78+45	0.0000	0.00	Q					83+50	0.0000	0.00	Q					
78+50	0.0000	0.00	Q					83+55	0.0000	0.00	Q					
78+55	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q					
79+ 0	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q					
79+ 5	0.0000	0.00	Q					84+10	0.0000	0.00	Q					
79+10	0.0000	0.00	Q					84+15	0.0000	0.00	Q					
79+15	0.0000	0.00	Q					84+20	0.0000	0.00	Q					
79+20	0.0000	0.00	Q					84+25	0.0000	0.00	Q					
79+25	0.0000	0.00	Q					84+30	0.0000	0.00	Q					
79+30	0.0000	0.00	Q					84+35	0.0000	0.00	Q					
79+35	0.0000	0.00	Q					84+40	0.0000	0.00	Q					
79+40	0.0000	0.00	Q					84+45	0.0000	0.00	Q					
79+45	0.0000	0.00	Q					84+50	0.0000	0.00	Q					
79+50	0.0000	0.00	Q					84+55	0.0000	0.00	Q					
79+55	0.0000	0.00	Q					85+ 0	0.0000	0.00	Q					
80+ 0	0.0000	0.00	Q					85+ 5	0.0000	0.00	Q					
80+ 5	0.0000	0.00	Q					85+10	0.0000	0.00	Q					
80+10	0.0000	0.00	Q					85+15	0.0000	0.00	Q					
80+15	0.0000	0.00	Q					85+20	0.0000	0.00	Q					
80+20	0.0000	0.00	Q					85+25	0.0000	0.00	Q					
80+25	0.0000	0.00	Q					85+30	0.0000	0.00	Q					
80+30	0.0000	0.00	Q					85+35	0.0000	0.00	Q					
80+35	0.0000	0.00	Q					85+40	0.0000	0.00	Q					
80+40	0.0000	0.00	Q					85+45	0.0000	0.00	Q					
80+45	0.0000	0.00	Q					85+50	0.0000	0.00	Q					
80+50	0.0000	0.00	Q					85+55	0.0000	0.00	Q					
80+55	0.0000	0.00	Q					86+ 0	0.0000	0.00	Q					
81+ 0	0.0000	0.00	Q					86+ 5	0.0000	0.00	Q					
81+ 5	0.0000	0.00	Q					86+10	0.0000	0.00	Q					
81+10	0.0000	0.00	Q					86+15	0.0000	0.00	Q					
81+15	0.0000	0.00	Q					86+20	0.0000	0.00	Q					
81+20	0.0000	0.00	Q					86+25	0.0000	0.00	Q					
81+25	0.0000	0.00	Q					86+30	0.0000	0.00	Q					
81+30	0.0000	0.00	Q					86+35	0.0000	0.00	Q					
81+35	0.0000	0.00	Q					86+40	0.0000	0.00	Q					
81+40	0.0000	0.00	Q					86+45	0.0000	0.00	Q					
81+45	0.0000	0.00	Q					86+50	0.0000	0.00	Q					
81+50	0.0000	0.00	Q					86+55	0.0000	0.00	Q					
81+55	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q					
82+ 0	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q					
82+ 5	0.0000	0.00	Q					87+10	0.0000	0.00	Q					
82+10	0.0000	0.00	Q					87+15	0.0000	0.00	Q					
82+15	0.0000	0.00	Q					87+20	0.0000	0.00	Q					

87+25	0.0000	0.00	Q					92+30	0.0000	0.00	Q				
87+30	0.0000	0.00	Q					92+35	0.0000	0.00	Q				
87+35	0.0000	0.00	Q					92+40	0.0000	0.00	Q				
87+40	0.0000	0.00	Q					92+45	0.0000	0.00	Q				
87+45	0.0000	0.00	Q					92+50	0.0000	0.00	Q				
87+50	0.0000	0.00	Q					92+55	0.0000	0.00	Q				
87+55	0.0000	0.00	Q					93+ 0	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 5	0.0000	0.00	Q					94+10	0.0000	0.00	Q				
89+10	0.0000	0.00	Q					94+15	0.0000	0.00	Q				
89+15	0.0000	0.00	Q					94+20	0.0000	0.00	Q				
89+20	0.0000	0.00	Q					94+25	0.0000	0.00	Q				
89+25	0.0000	0.00	Q					94+30	0.0000	0.00	Q				
89+30	0.0000	0.00	Q					94+35	0.0000	0.00	Q				
89+35	0.0000	0.00	Q					94+40	0.0000	0.00	Q				
89+40	0.0000	0.00	Q					94+45	0.0000	0.00	Q				
89+45	0.0000	0.00	Q					94+50	0.0000	0.00	Q				
89+50	0.0000	0.00	Q					94+55	0.0000	0.00	Q				
89+55	0.0000	0.00	Q					95+ 0	0.0000	0.00	Q				
90+ 0	0.0000	0.00	Q					95+ 5	0.0000	0.00	Q				
90+ 5	0.0000	0.00	Q					95+10	0.0000	0.00	Q				
90+10	0.0000	0.00	Q					95+15	0.0000	0.00	Q				
90+15	0.0000	0.00	Q					95+20	0.0000	0.00	Q				
90+20	0.0000	0.00	Q					95+25	0.0000	0.00	Q				
90+25	0.0000	0.00	Q					95+30	0.0000	0.00	Q				
90+30	0.0000	0.00	Q					95+35	0.0000	0.00	Q				
90+35	0.0000	0.00	Q					95+40	0.0000	0.00	Q				
90+40	0.0000	0.00	Q					95+45	0.0000	0.00	Q				
90+45	0.0000	0.00	Q					95+50	0.0000	0.00	Q				
90+50	0.0000	0.00	Q					95+55	0.0000	0.00	Q				
90+55	0.0000	0.00	Q					96+ 0	0.0000	0.00	Q				
91+ 0	0.0000	0.00	Q					96+ 5	0.0000	0.00	Q				
91+ 5	0.0000	0.00	Q					96+10	0.0000	0.00	Q				
91+10	0.0000	0.00	Q					96+15	0.0000	0.00	Q				
91+15	0.0000	0.00	Q					96+20	0.0000	0.00	Q				
91+20	0.0000	0.00	Q					96+25	0.0000	0.00	Q				
91+25	0.0000	0.00	Q					96+30	0.0000	0.00	Q				
91+30	0.0000	0.00	Q					96+35	0.0000	0.00	Q				
91+35	0.0000	0.00	Q					96+40	0.0000	0.00	Q				
91+40	0.0000	0.00	Q					96+45	0.0000	0.00	Q				
91+45	0.0000	0.00	Q					96+50	0.0000	0.00	Q				
91+50	0.0000	0.00	Q					96+55	0.0000	0.00	Q				
91+55	0.0000	0.00	Q					97+ 0	0.0000	0.00	Q				
92+ 0	0.0000	0.00	Q					97+ 5	0.0000	0.00	Q				
92+ 5	0.0000	0.00	Q					97+10	0.0000	0.00	Q				
92+10	0.0000	0.00	Q					97+15	0.0000	0.00	Q				
92+15	0.0000	0.00	Q					97+20	0.0000	0.00	Q				
92+20	0.0000	0.00	Q					97+25	0.0000	0.00	Q				
92+25	0.0000	0.00	Q					97+30	0.0000	0.00	Q				

97+35	0.0000	0.00	Q					102+40	0.0000	0.00	Q				
97+40	0.0000	0.00	Q					102+45	0.0000	0.00	Q				
97+45	0.0000	0.00	Q					102+50	0.0000	0.00	Q				
97+50	0.0000	0.00	Q					102+55	0.0000	0.00	Q				
97+55	0.0000	0.00	Q					103+ 0	0.0000	0.00	Q				
98+ 0	0.0000	0.00	Q					103+ 5	0.0000	0.00	Q				
98+ 5	0.0000	0.00	Q					103+10	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+40	0.0000	0.00	Q				

107+45	0.0000	0.00	Q					112+50	0.0000	0.00	Q				
107+50	0.0000	0.00	Q					112+55	0.0000	0.00	Q				
107+55	0.0000	0.00	Q					113+ 0	0.0000	0.00	Q				
108+ 0	0.0000	0.00	Q					113+ 5	0.0000	0.00	Q				
108+ 5	0.0000	0.00	Q					113+10	0.0000	0.00	Q				
108+10	0.0000	0.00	Q					113+15	0.0000	0.00	Q				
108+15	0.0000	0.00	Q					113+20	0.0000	0.00	Q				
108+20	0.0000	0.00	Q					113+25	0.0000	0.00	Q				
108+25	0.0000	0.00	Q					113+30	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+50	0.0000	0.00	Q				

117+55	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				

128+ 5	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+10	0.0000	0.00	Q				

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 138+15       0.0000      0.00  Q         |         |         |         |
 138+20       0.0000      0.00  Q         |         |         |         |
 138+25       0.0000      0.00  Q         |         |         |         |
 138+30       0.0000      0.00  Q         |         |         |         |
 138+35       0.0000      0.00  Q         |         |         |         |
 138+40       0.0000      0.00  Q         |         |         |         |
 138+45       0.0000      0.00  Q         |         |         |         |
 138+50       0.0000      0.00  Q         |         |         |         |
 138+55       0.0000      0.00  Q         |         |         |         |
 139+ 0       0.0000      0.00  Q         |         |         |         |
 139+ 5       0.0000      0.00  Q         |         |         |         |
 139+10       0.0000      0.00  Q         |         |         |         |
 139+15       0.0000      0.00  Q         |         |         |         |
 139+20       0.0000      0.00  Q         |         |         |         |
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------

        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1769
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      215.206 (CFS)
                    Total volume =     103.925 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)       0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.700 to Point/Station        5.700
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ________________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 3 with
        a starting time of   0.00 hours and ending time of  25.00 hours
        With a total volume of     103.90(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)       0.000     0.000   215.206     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000   103.902     0.000     0.000
        ************************************************************************

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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.400 to Point/Station        5.500
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
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        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP5B10024100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                     Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       20.1      40.2      60.3      80.5
------------------------------------------------------------------------------
  0+ 5       0.1685      0.17  Q         |         |         |         |
  0+10       1.1367      1.14  Q         |         |         |         |
  0+15       2.0616      2.06  |Q        |         |         |         |
  0+20       2.4843      2.48  |Q        |         |         |         |
  0+25       3.1621      3.16  |Q        |         |         |         |
  0+30       3.7384      3.74  |Q        |         |         |         |
  0+35       3.9653      3.97  |Q        |         |         |         |
  0+40       4.0844      4.08  | Q       |         |         |         |
  0+45       4.1556      4.16  | Q       |         |         |         |
  0+50       4.2811      4.28  | Q       |         |         |         |
  0+55       4.7840      4.78  | Q       |         |         |         |
  1+ 0       5.2562      5.26  | Q       |         |         |         |
  1+ 5       5.3474      5.35  | Q       |         |         |         |
  1+10       4.9639      4.96  | Q       |         |         |         |
  1+15       4.5598      4.56  | Q       |         |         |         |
  1+20       4.4194      4.42  | Q       |         |         |         |
  1+25       4.3337      4.33  | Q       |         |         |         |
  1+30       4.2838      4.28  | Q       |         |         |         |
  1+35       4.2612      4.26  | Q       |         |         |         |
  1+40       4.2539      4.25  | Q       |         |         |         |
  1+45       4.2481      4.25  | Q       |         |         |         |
  1+50       4.3262      4.33  | Q       |         |         |         |
  1+55       4.8065      4.81  | Q       |         |         |         |
  2+ 0       5.2676      5.27  | Q       |         |         |         |
  2+ 5       5.4368      5.44  | Q       |         |         |         |
  2+10       5.5337      5.53  | Q       |         |         |         |
  2+15       5.5906      5.59  | Q       |         |         |         |
  2+20       5.6194      5.62  | Q       |         |         |         |
  2+25       5.6305      5.63  | Q       |         |         |         |
  2+30       5.6376      5.64  | Q       |         |         |         |
  2+35       5.7281      5.73  | Q       |         |         |         |
  2+40       6.2161      6.22  |  Q      |         |         |         |
  2+45       6.6798      6.68  |  Q      |         |         |         |
  2+50       6.8490      6.85  |  Q      |         |         |         |
  2+55       6.9459      6.95  |  Q      |         |         |         |
  3+ 0       7.0028      7.00  |  Q      |         |         |         |
  3+ 5       7.0317      7.03  |  Q      |         |         |         |
  3+10       7.0428      7.04  |  Q      |         |         |         |
  3+15       7.0499      7.05  |  Q      |         |         |         |
  3+20       7.0561      7.06  |  Q      |         |         |         |
  3+25       7.0599      7.06  |  Q      |         |         |         |
  3+30       7.0613      7.06  |  Q      |         |         |         |
  3+35       7.0613      7.06  |  Q      |         |         |         |
  3+40       7.0613      7.06  |  Q      |         |         |         |
  3+45       7.0613      7.06  |  Q      |         |         |         |
  3+50       7.1455      7.15  |  Q      |         |         |         |
  3+55       7.6297      7.63  |  Q      |         |         |         |
  4+ 0       8.0921      8.09  |   Q     |         |         |         |
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| | | |

| | | |

24+25	0.2307	0.23	Q				
24+30	0.1169	0.12	Q				
24+35	0.0592	0.06	Q				
24+40	0.0370	0.04	Q				
24+45	0.0228	0.02	Q				
24+50	0.0103	0.01	Q				
24+55	0.0027	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 299
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 80.452 (CFS)
Total volume = 41.110 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	215.206	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	103.902	0.000	0.000

****

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Process from Point/Station 5.400 to Point/Station 5.500

**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 299
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.279	0.400	0.278	0.280
3.000	0.967	0.720	0.965	0.969
5.000	1.839	0.930	1.836	1.842
7.000	2.907	1.110	2.903	2.911
9.000	4.184	1.250	4.180	4.188
11.000	5.689	1.390	5.684	5.694
12.000	6.528	1.450	6.523	6.533
13.000	7.427	1.510	7.422	7.432
14.000	8.387	1.570	8.382	8.392
15.000	9.413	1.620	9.407	9.419
16.000	10.507	6.350	10.485	10.529
17.000	11.669	8.760	11.639	11.699
18.000	12.901	10.550	12.865	12.937
19.000	14.204	12.050	14.163	14.245
20.000	15.581	13.370	15.535	15.627
21.000	17.033	24.990	16.947	17.119
22.000	18.563	33.620	18.447	18.679
23.000	20.173	39.840	20.036	20.310
24.000	21.866	106.820	21.498	22.234

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 20.1 40.23 60.34 80.45	Depth (Ft.)
0.083	0.17	0.00	0.001	O	0.00
0.167	1.14	0.01	0.005	O	0.02
0.250	2.06	0.02	0.016	O	0.06
0.333	2.48	0.04	0.031	O	0.11
0.417	3.16	0.07	0.050	OI	0.18
0.500	3.74	0.11	0.074	OI	0.26
0.583	3.97	0.14	0.099	OI	0.36
0.667	4.08	0.18	0.126	OI	0.45
0.750	4.16	0.22	0.153	OI	0.55
0.833	4.28	0.26	0.180	OI	0.65
0.917	4.78	0.30	0.210	OI	0.75
1.000	5.26	0.35	0.242	O I	0.87
1.083	5.35	0.40	0.276	O I	0.99
1.167	4.96	0.41	0.309	OI	1.09
1.250	4.56	0.43	0.338	OI	1.17
1.333	4.42	0.44	0.366	OI	1.25
1.417	4.33	0.45	0.393	OI	1.33
1.500	4.28	0.47	0.420	OI	1.41
1.583	4.26	0.48	0.446	OI	1.49
1.667	4.25	0.49	0.472	OI	1.56
1.750	4.25	0.50	0.498	OI	1.64
1.833	4.33	0.51	0.524	OI	1.71
1.917	4.81	0.53	0.552	OI	1.79
2.000	5.27	0.54	0.583	O I	1.88
2.083	5.44	0.56	0.616	O I	1.98
2.167	5.53	0.57	0.650	O I	2.08
2.250	5.59	0.59	0.684	O I	2.18
2.333	5.62	0.60	0.719	O I	2.28
2.417	5.63	0.62	0.753	O I	2.38
2.500	5.64	0.64	0.788	O I	2.48
2.583	5.73	0.65	0.822	O I	2.58
2.667	6.22	0.67	0.859	O I	2.69
2.750	6.68	0.69	0.899	O I	2.80
2.833	6.85	0.71	0.940	O I	2.92
2.917	6.95	0.72	0.983	O I	3.04
3.000	7.00	0.73	1.026	O I	3.14
3.083	7.03	0.74	1.069	O I	3.23
3.167	7.04	0.76	1.113	O I	3.33
3.250	7.05	0.77	1.156	O I	3.43
3.333	7.06	0.78	1.199	O I	3.53
3.417	7.06	0.79	1.242	O I	3.63
3.500	7.06	0.80	1.286	O I	3.73
3.583	7.06	0.81	1.329	O I	3.83
3.667	7.06	0.82	1.372	O I	3.93
3.750	7.06	0.83	1.415	O I	4.03
3.833	7.15	0.84	1.458	O I	4.13
3.917	7.63	0.85	1.503	O I	4.23
4.000	8.09	0.86	1.551	O I	4.34
4.083	8.26	0.87	1.602	O I	4.46
4.167	8.36	0.89	1.653	O I	4.57
4.250	8.42	0.90	1.704	O I	4.69

4.333	8.53	0.91	1.756	O	I					4.81	9.417	40.21	1.59	8.716	O			I				14.32
4.417	9.02	0.92	1.811	O	I					4.93	9.500	41.34	1.60	8.986	O			I				14.58
4.500	9.49	0.93	1.868	O	I					5.05	9.583	41.97	1.61	9.262	O			I				14.85
4.583	9.67	0.94	1.927	O	I					5.17	9.667	43.14	2.18	9.542	O			I				15.12
4.667	9.77	0.96	1.988	O	I					5.28	9.750	44.18	3.40	9.824	O			I				15.38
4.750	9.83	0.97	2.049	O	I					5.39	9.833	44.77	4.60	10.102	O			I				15.63
4.833	9.94	0.98	2.110	O	I					5.51	9.917	45.93	5.80	10.379	O			I				15.88
4.917	10.44	0.99	2.173	O	I					5.63	10.000	46.96	6.66	10.656	O			I				16.13
5.000	10.91	1.00	2.240	O	I					5.75	10.083	46.29	7.23	10.929	O			I				16.36
5.083	10.91	1.01	2.308	O	I					5.88	10.167	40.27	7.74	11.176	O			I				16.58
5.167	10.04	1.02	2.374	O	I					6.00	10.250	34.44	8.16	11.378	O		I					16.75
5.250	9.18	1.03	2.433	O	I					6.11	10.333	32.36	8.52	11.551	O		I					16.90
5.333	8.95	1.04	2.488	O	I					6.22	10.417	31.18	8.82	11.710	O		I					17.03
5.417	9.25	1.05	2.543	O	I					6.32	10.500	30.50	9.04	11.861	O		I					17.16
5.500	9.61	1.06	2.601	O	I					6.43	10.583	30.97	9.26	12.010	O		I					17.28
5.583	9.81	1.07	2.661	O	I					6.54	10.667	35.36	9.49	12.174	O		I					17.41
5.667	10.37	1.08	2.723	O	I					6.66	10.750	39.60	9.77	12.365	O		I					17.57
5.750	10.88	1.09	2.789	O	I					6.78	10.833	41.13	10.08	12.575	O		I					17.74
5.833	11.07	1.10	2.857	O	I					6.91	10.917	42.02	10.39	12.791	O		I					17.91
5.917	11.17	1.11	2.926	O	I					7.03	11.000	42.58	10.68	13.010	O		I					18.08
6.000	11.23	1.12	2.995	O	I					7.14	11.083	42.73	10.93	13.229	O		I					18.25
6.083	11.35	1.13	3.065	O	I					7.25	11.167	41.98	11.18	13.445	O		I					18.42
6.167	11.85	1.14	3.137	O	I					7.36	11.250	41.24	11.42	13.653	O		I					18.58
6.250	12.32	1.14	3.212	O	I					7.48	11.333	41.03	11.65	13.857	O		I					18.73
6.333	12.49	1.15	3.290	O	I					7.60	11.417	40.93	11.88	14.058	O		I					18.89
6.417	12.59	1.16	3.368	O	I					7.72	11.500	40.88	12.10	14.258	O		I					19.04
6.500	12.65	1.17	3.447	O	I					7.85	11.583	40.56	12.29	14.454	O		I					19.18
6.583	12.79	1.18	3.527	O	I					7.97	11.667	38.79	12.47	14.642	O		I					19.32
6.667	13.40	1.19	3.609	O	I					8.10	11.750	37.11	12.64	14.817	O		I					19.45
6.750	14.01	1.20	3.695	O	I					8.23	11.833	36.67	12.80	14.983	O		I					19.57
6.833	14.27	1.21	3.784	O	I					8.37	11.917	37.24	12.96	15.149	O		I					19.69
6.917	14.44	1.22	3.875	O	I					8.52	12.000	37.93	13.12	15.318	O		I					19.81
7.000	14.56	1.23	3.966	O	I					8.66	12.083	39.27	13.29	15.493	O		I					19.94
7.083	14.64	1.24	4.058	O	I					8.80	12.167	45.73	14.25	15.691	O			I				20.08
7.167	14.71	1.25	4.151	O	I					8.95	12.250	51.84	16.10	15.922	O			I				20.24
7.250	14.77	1.26	4.243	O	I					9.08	12.333	54.27	18.08	16.170	O			I				20.41
7.333	14.98	1.26	4.337	O	I					9.20	12.417	56.47	20.08	16.420	O			I				20.58
7.417	15.93	1.27	4.435	O	I					9.33	12.500	58.11	22.08	16.669	O			I				20.75
7.500	16.84	1.28	4.539	O	I					9.47	12.583	59.17	24.04	16.914	O			I				20.92
7.583	17.36	1.29	4.648	O	I					9.62	12.667	61.33	25.70	17.158	O			I				21.08
7.667	18.49	1.30	4.763	O	I					9.77	12.750	63.29	27.09	17.405	O			I				21.24
7.750	19.50	1.32	4.884	O	I					9.93	12.833	64.24	28.49	17.653	O			I				21.41
7.833	20.08	1.33	5.012	O	I					10.10	12.917	65.61	29.88	17.899	O			I				21.57
7.917	21.23	1.34	5.145	O	I					10.28	13.000	66.75	31.26	18.145	O			I				21.73
8.000	22.25	1.35	5.285	O	I					10.46	13.083	68.00	32.64	18.389	O			I				21.89
8.083	22.99	1.37	5.431	O	I					10.66	13.167	72.75	33.93	18.644	O			I				22.05
8.167	25.04	1.38	5.587	O	I					10.86	13.250	77.21	35.01	18.923	O			I				22.22
8.250	26.93	1.39	5.757	O	I					11.08	13.333	78.89	36.14	19.216	O			I				22.41
8.333	27.67	1.41	5.935	O	I					11.29	13.417	79.87	37.28	19.509	O			I				22.59
8.417	28.10	1.42	6.117	O	I					11.51	13.500	80.45	38.40	19.801	O			I				22.77
8.500	28.38	1.43	6.302	O	I					11.73	13.583	79.05	39.49	20.082	O			I				22.94
8.583	28.70	1.45	6.489	O	I					11.95	13.667	69.34	44.95	20.302	O			I				23.08
8.667	29.70	1.46	6.680	O	I					12.17	13.750	60.03	49.68	20.422	O			I				23.15
8.750	30.63	1.47	6.878	O	I					12.39	13.833	56.68	51.76	20.474	O			I				23.18
8.833	31.17	1.49	7.080	O	I					12.61	13.917	54.78	52.72	20.498	O			I				23.19
8.917	32.31	1.50	7.289	O	I					12.85	14.000	53.68	53.08	20.508	O			I				23.20
9.000	33.33	1.51	7.504	O	I					13.08	14.083	53.75	53.23	20.511	O			I				23.20
9.083	34.06	1.53	7.726	O	I					13.31	14.167	57.15	53.76	20.525	O			I				23.21
9.167	36.10	1.54	7.957	O	I					13.55	14.250	60.47	54.97	20.556	O			I				23.23
9.250	37.98	1.56	8.201	O	I					13.81	14.333	61.48	56.41	20.592	O			I				23.25
9.333	38.87	1.57	8.455	O	I					14.07	14.417	61.26	57.60	20.622	O			I				23.27

14.500	60.84	58.43	20.643	|	|	|	OI	|	23.28	19.583	5.33	12.99	15.183	| I O |	|	|	|	19.71
14.583	60.77	59.00	20.657	|	|	|	OI	|	23.29	19.667	4.95	12.94	15.129	|I O |	|	|	|	19.67
14.667	60.72	59.42	20.668	|	|	|	OI	|	23.29	19.750	4.55	12.88	15.073	|I O |	|	|	|	19.63
14.750	60.70	59.73	20.676	|	|	|	OI	|	23.30	19.833	4.33	12.83	15.015	|I O |	|	|	|	19.59
14.833	60.57	59.94	20.681	|	|	|	OI	|	23.30	19.917	3.76	12.77	14.954	|I O |	|	|	|	19.54
14.917	59.72	59.99	20.682	|	|	|	O|	|	23.30	20.000	3.25	12.71	14.891	|I O |	|	|	|	19.50
15.000	58.90	59.83	20.678	|	|	|	O|	|	23.30	20.083	3.15	12.65	14.825	|I O |	|	|	|	19.45
15.083	58.46	59.55	20.671	|	|	|	O|	|	23.29	20.167	3.53	12.58	14.762	|I O |	|	|	|	19.40
15.167	57.41	59.17	20.661	|	|	|	IO|	|	23.29	20.250	3.93	12.53	14.701	|I O |	|	|	|	19.36
15.250	56.48	58.63	20.648	|	|	|	IO|	|	23.28	20.333	4.06	12.47	14.642	|I O |	|	|	|	19.32
15.333	56.00	58.06	20.634	|	|	|	IO|	|	23.27	20.417	4.14	12.41	14.585	|I O |	|	|	|	19.28
15.417	54.94	57.44	20.618	|	|	|	IO |	|	23.26	20.500	4.19	12.36	14.528	|I O |	|	|	|	19.24
15.500	54.00	56.72	20.600	|	|	|	IO |	|	23.25	20.583	4.21	12.31	14.472	|I O |	|	|	|	19.19
15.583	53.03	55.95	20.580	|	|	|	IO |	|	23.24	20.667	4.22	12.25	14.417	|I O |	|	|	|	19.15
15.667	49.27	54.80	20.551	|	|	|	I O |	|	23.22	20.750	4.23	12.20	14.361	|I O |	|	|	|	19.11
15.750	45.76	53.06	20.507	|	|	|	I O |	|	23.20	20.833	4.15	12.15	14.306	|I O |	|	|	|	19.07
15.833	44.48	51.15	20.459	|	|	|I O |	|	23.17	20.917	3.67	12.09	14.250	|I O |	|	|	|	19.03
15.917	43.77	49.47	20.416	|	|	|I O |	|	23.14	21.000	3.21	12.03	14.190	|I O |	|	|	|	18.99
16.000	43.37	48.05	20.381	|	|	|I O |	|	23.12	21.083	3.12	11.96	14.130	|I O |	|	|	|	18.94
16.083	40.95	46.64	20.345	|	|	I O |	|	23.10	21.167	3.51	11.90	14.070	|I O |	|	|	|	18.90
16.167	28.08	43.73	20.271	|	| I |	O |	|	23.06	21.250	3.91	11.83	14.014	|I O |	|	|	|	18.85
16.250	15.81	39.69	20.135	| I |	O|	|	|	22.98	21.333	3.97	11.77	13.960	|I O |	|	|	|	18.81
16.333	11.29	39.01	19.957	| I |	O|	|	|	22.87	21.417	3.57	11.71	13.905	|I O |	|	|	|	18.77
16.417	8.71	38.25	19.760	| I |	O|	|	|	22.74	21.500	3.16	11.64	13.848	|I O |	|	|	|	18.73
16.500	7.19	37.45	19.554	| I |	O |	|	|	22.62	21.583	3.10	11.57	13.789	|I O |	|	|	|	18.68
16.583	6.35	36.64	19.346	| I |	O |	|	|	22.49	21.667	3.49	11.51	13.733	|I O |	|	|	|	18.64
16.667	5.57	35.84	19.137	| I |	O |	|	|	22.36	21.750	3.90	11.45	13.679	|I O |	|	|	|	18.60
16.750	4.92	35.04	18.929	|I |	O |	|	|	22.23	21.833	3.96	11.39	13.628	|I O |	|	|	|	18.56
16.833	4.59	34.24	18.724	|I |	O |	|	|	22.10	21.917	3.57	11.33	13.575	|I O |	|	|	|	18.52
16.917	4.39	33.39	18.522	|I |	O |	|	|	21.97	22.000	3.16	11.26	13.521	|I O |	|	|	|	18.48
17.000	4.30	32.28	18.325	|I |	O |	|	|	21.84	22.083	3.10	11.20	13.465	|I O |	|	|	|	18.43
17.083	4.43	31.22	18.137	|I |	O |	|	|	21.72	22.167	3.49	11.14	13.411	|I O |	|	|	|	18.39
17.167	5.39	30.21	17.959	| I |	O |	|	|	21.61	22.250	3.90	11.08	13.360	|I O |	|	|	|	18.35
17.250	6.31	29.29	17.794	| I |	O |	|	|	21.50	22.333	3.96	11.02	13.311	|I O |	|	|	|	18.31
17.333	6.64	28.42	17.640	| I |	O |	|	|	21.40	22.417	3.57	10.96	13.261	|I O |	|	|	|	18.28
17.417	6.83	27.59	17.494	| I |	O |	|	|	21.30	22.500	3.16	10.90	13.209	|I O |	|	|	|	18.24
17.500	6.94	26.80	17.354	| I |	O |	|	|	21.21	22.583	3.01	10.84	13.155	|I O |	|	|	|	18.19
17.583	7.00	26.05	17.220	| I |	O |	|	|	21.12	22.667	2.92	10.78	13.101	|I O |	|	|	|	18.15
17.667	7.02	25.32	17.092	| I |	O |	|	|	21.04	22.750	2.87	10.72	13.047	|I O |	|	|	|	18.11
17.750	7.04	24.47	16.969	| I |	O |	|	|	20.96	22.833	2.85	10.66	12.993	|I O |	|	|	|	18.07
17.833	6.97	23.54	16.851	| I |	O |	|	|	20.87	22.917	2.84	10.59	12.939	|I O |	|	|	|	18.03
17.917	6.49	22.64	16.739	| I |	O |	|	|	20.80	23.000	2.84	10.53	12.886	|I O |	|	|	|	17.99
18.000	6.03	21.76	16.629	| I | O |	|	|	20.72	23.083	2.83	10.45	12.834	|I O |	|	|	|	17.95
18.083	5.86	20.91	16.523	| I | O |	|	|	20.65	23.167	2.83	10.38	12.781	|I O |	|	|	|	17.90
18.167	5.76	20.10	16.422	| I | O|	|	|	20.58	23.250	2.82	10.30	12.730	|I O |	|	|	|	17.86
18.250	5.71	19.33	16.326	| I | O|	|	|	20.51	23.333	2.82	10.23	12.678	|I O |	|	|	|	17.82
18.333	5.68	18.60	16.234	| I | O|	|	|	20.45	23.417	2.82	10.15	12.628	|I O |	|	|	|	17.78
18.417	5.67	17.90	16.148	| I | O|	|	|	20.39	23.500	2.82	10.08	12.577	|I O |	|	|	|	17.74
18.500	5.66	17.25	16.066	| I | O |	|	|	20.33	23.583	2.82	10.01	12.528	|I O |	|	|	|	17.70
18.583	5.57	16.62	15.988	| I | O |	|	|	20.28	23.667	2.82	9.94	12.478	|I O |	|	|	|	17.66
18.667	5.08	16.02	15.912	| I | O |	|	|	20.23	23.750	2.82	9.87	12.430	|I O |	|	|	|	17.62
18.750	4.62	15.42	15.837	|I | O |	|	|	20.18	23.833	2.82	9.80	12.381	|I O |	|	|	|	17.58
18.833	4.36	14.83	15.764	|I | O |	|	|	20.13	23.917	2.82	9.73	12.334	|I O |	|	|	|	17.54
18.917	3.78	14.26	15.692	|I | O |	|	|	20.08	24.000	2.82	9.66	12.286	|I O |	|	|	|	17.50
19.000	3.26	13.68	15.620	|I | O |	|	|	20.03	24.083	2.66	9.59	12.239	|I O |	|	|	|	17.46
19.083	3.15	13.34	15.549	|I | O |	|	|	19.98	24.167	1.69	9.51	12.188	I O |	|	|	|	17.42
19.167	3.53	13.27	15.480	|I | O |	|	|	19.93	24.250	0.76	9.43	12.131	I O |	|	|	|	17.38
19.250	3.93	13.21	15.415	|I | O |	|	|	19.88	24.333	0.42	9.34	12.071	I O |	|	|	|	17.33
19.333	4.14	13.15	15.352	|I | O |	|	|	19.83	24.417	0.23	9.25	12.009	I O |	|	|	|	17.28
19.417	4.71	13.09	15.292	|I | O |	|	|	19.79	24.500	0.12	9.16	11.947	I O |	|	|	|	17.23
19.500	5.22	13.04	15.236	| I | O |	|	|	19.75	24.583	0.06	9.07	11.885	I O |	|	|	|	17.18

24.667	0.04	8.98	11.823	I	O	|	|	|	|	17.12	29.750	0.00	2.18	9.542	O	|	|	|	|	15.12
24.750	0.02	8.89	11.761	I	O	|	|	|	|	17.08	29.833	0.00	2.11	9.527	O	|	|	|	|	15.10
24.833	0.01	8.81	11.701	I	O	|	|	|	|	17.03	29.917	0.00	2.05	9.513	O	|	|	|	|	15.09
24.917	0.00	8.70	11.640	I	O	|	|	|	|	16.98	30.000	0.00	1.99	9.499	O	|	|	|	|	15.08
25.000	0.00	8.58	11.581	I	O	|	|	|	|	16.92	30.083	0.00	1.93	9.485	O	|	|	|	|	15.07
25.083	0.00	8.46	11.522	I	O	|	|	|	|	16.87	30.167	0.00	1.88	9.472	O	|	|	|	|	15.05
25.167	0.00	8.34	11.464	I	O	|	|	|	|	16.82	30.250	0.00	1.82	9.459	O	|	|	|	|	15.04
25.250	0.00	8.22	11.407	I	O	|	|	|	|	16.77	30.333	0.00	1.77	9.447	O	|	|	|	|	15.03
25.333	0.00	8.10	11.351	I	O	|	|	|	|	16.73	30.417	0.00	1.72	9.435	O	|	|	|	|	15.02
25.417	0.00	7.99	11.296	I	O	|	|	|	|	16.68	30.500	0.00	1.67	9.423	O	|	|	|	|	15.01
25.500	0.00	7.87	11.241	I	O	|	|	|	|	16.63	30.583	0.00	1.62	9.412	O	|	|	|	|	15.00
25.583	0.00	7.76	11.187	I	O	|	|	|	|	16.59	30.667	0.00	1.62	9.401	O	|	|	|	|	14.99
25.667	0.00	7.65	11.134	I	O	|	|	|	|	16.54	30.750	0.00	1.62	9.390	O	|	|	|	|	14.98
25.750	0.00	7.54	11.082	I	O	|	|	|	|	16.49	30.833	0.00	1.62	9.379	O	|	|	|	|	14.97
25.833	0.00	7.44	11.030	I	O	|	|	|	|	16.45	30.917	0.00	1.62	9.368	O	|	|	|	|	14.96
25.917	0.00	7.33	10.980	I	O	|	|	|	|	16.41	31.000	0.00	1.62	9.356	O	|	|	|	|	14.94
26.000	0.00	7.23	10.929	I	O	|	|	|	|	16.36	31.083	0.00	1.62	9.345	O	|	|	|	|	14.93
26.083	0.00	7.12	10.880	I	O	|	|	|	|	16.32	31.167	0.00	1.62	9.334	O	|	|	|	|	14.92
26.167	0.00	7.02	10.831	I	O	|	|	|	|	16.28	31.250	0.00	1.62	9.323	O	|	|	|	|	14.91
26.250	0.00	6.92	10.783	I	O	|	|	|	|	16.24	31.333	0.00	1.62	9.312	O	|	|	|	|	14.90
26.333	0.00	6.82	10.736	I	O	|	|	|	|	16.20	31.417	0.00	1.61	9.301	O	|	|	|	|	14.89
26.417	0.00	6.73	10.689	I	O	|	|	|	|	16.16	31.500	0.00	1.61	9.290	O	|	|	|	|	14.88
26.500	0.00	6.63	10.643	I	O	|	|	|	|	16.12	31.583	0.00	1.61	9.278	O	|	|	|	|	14.87
26.583	0.00	6.54	10.598	I	O	|	|	|	|	16.08	31.667	0.00	1.61	9.267	O	|	|	|	|	14.86
26.667	0.00	6.45	10.553	I	O	|	|	|	|	16.04	31.750	0.00	1.61	9.256	O	|	|	|	|	14.85
26.750	0.00	6.35	10.509	I	O	|	|	|	|	16.00	31.833	0.00	1.61	9.245	O	|	|	|	|	14.84
26.833	0.00	6.17	10.466	I	O	|	|	|	|	15.96	31.917	0.00	1.61	9.234	O	|	|	|	|	14.83
26.917	0.00	5.99	10.424	I	O	|	|	|	|	15.92	32.000	0.00	1.61	9.223	O	|	|	|	|	14.81
27.000	0.00	5.82	10.383	I	O	|	|	|	|	15.89	32.083	0.00	1.61	9.212	O	|	|	|	|	14.80
27.083	0.00	5.65	10.344	I	O	|	|	|	|	15.85	32.167	0.00	1.61	9.201	O	|	|	|	|	14.79
27.167	0.00	5.48	10.306	I	O	|	|	|	|	15.82	32.250	0.00	1.61	9.190	O	|	|	|	|	14.78
27.250	0.00	5.32	10.268	I	O	|	|	|	|	15.78	32.333	0.00	1.61	9.179	O	|	|	|	|	14.77
27.333	0.00	5.16	10.232	I	O	|	|	|	|	15.75	32.417	0.00	1.61	9.168	O	|	|	|	|	14.76
27.417	0.00	5.01	10.197	I	O	|	|	|	|	15.72	32.500	0.00	1.61	9.156	O	|	|	|	|	14.75
27.500	0.00	4.86	10.163	I	O	|	|	|	|	15.69	32.583	0.00	1.61	9.145	O	|	|	|	|	14.74
27.583	0.00	4.72	10.130	I	O	|	|	|	|	15.66	32.667	0.00	1.61	9.134	O	|	|	|	|	14.73
27.667	0.00	4.58	10.098	I	O	|	|	|	|	15.63	32.750	0.00	1.61	9.123	O	|	|	|	|	14.72
27.750	0.00	4.45	10.067	I	O	|	|	|	|	15.60	32.833	0.00	1.61	9.112	O	|	|	|	|	14.71
27.833	0.00	4.32	10.037	I	O	|	|	|	|	15.57	32.917	0.00	1.60	9.101	O	|	|	|	|	14.70
27.917	0.00	4.19	10.008	I	O	|	|	|	|	15.54	33.000	0.00	1.60	9.090	O	|	|	|	|	14.69
28.000	0.00	4.07	9.979	I	O	|	|	|	|	15.52	33.083	0.00	1.60	9.079	O	|	|	|	|	14.67
28.083	0.00	3.95	9.952	I	O	|	|	|	|	15.49	33.167	0.00	1.60	9.068	O	|	|	|	|	14.66
28.167	0.00	3.83	9.925	I	O	|	|	|	|	15.47	33.250	0.00	1.60	9.057	O	|	|	|	|	14.65
28.250	0.00	3.72	9.899	I	O	|	|	|	|	15.44	33.333	0.00	1.60	9.046	O	|	|	|	|	14.64
28.333	0.00	3.61	9.874	I	O	|	|	|	|	15.42	33.417	0.00	1.60	9.035	O	|	|	|	|	14.63
28.417	0.00	3.51	9.849	I	O	|	|	|	|	15.40	33.500	0.00	1.60	9.024	O	|	|	|	|	14.62
28.500	0.00	3.40	9.825	I	O	|	|	|	|	15.38	33.583	0.00	1.60	9.013	O	|	|	|	|	14.61
28.583	0.00	3.30	9.802	I	O	|	|	|	|	15.36	33.667	0.00	1.60	9.002	O	|	|	|	|	14.60
28.667	0.00	3.21	9.780	I	O	|	|	|	|	15.34	33.750	0.00	1.60	8.991	O	|	|	|	|	14.59
28.750	0.00	3.11	9.758	I	O	|	|	|	|	15.32	33.833	0.00	1.60	8.980	O	|	|	|	|	14.58
28.833	0.00	3.02	9.737	I	O	|	|	|	|	15.30	33.917	0.00	1.60	8.969	O	|	|	|	|	14.57
28.917	0.00	2.93	9.716	I	O	|	|	|	|	15.28	34.000	0.00	1.60	8.958	O	|	|	|	|	14.56
29.000	0.00	2.85	9.697	I	O	|	|	|	|	15.26	34.083	0.00	1.60	8.947	O	|	|	|	|	14.55
29.083	0.00	2.76	9.677	I	O	|	|	|	|	15.24	34.167	0.00	1.60	8.936	O	|	|	|	|	14.53
29.167	0.00	2.68	9.658	I	O	|	|	|	|	15.22	34.250	0.00	1.60	8.925	O	|	|	|	|	14.52
29.250	0.00	2.60	9.640	I	O	|	|	|	|	15.21	34.333	0.00	1.60	8.914	O	|	|	|	|	14.51
29.333	0.00	2.53	9.623	I	O	|	|	|	|	15.19	34.417	0.00	1.60	8.903	O	|	|	|	|	14.50
29.417	0.00	2.45	9.605	O		|	|	|	|	15.18	34.500	0.00	1.59	8.892	O	|	|	|	|	14.49
29.500	0.00	2.38	9.589	O		|	|	|	|	15.16	34.583	0.00	1.59	8.881	O	|	|	|	|	14.48
29.583	0.00	2.31	9.573	O		|	|	|	|	15.15	34.667	0.00	1.59	8.870	O	|	|	|	|	14.47
29.667	0.00	2.24	9.557	O		|	|	|	|	15.13	34.750	0.00	1.59	8.859	O	|	|	|	|	14.46

34.833	0.00	1.59	8.848	O	|	|	|	|	14.45	39.917	0.00	1.56	8.186	O	|	|	|	|	13.79
34.917	0.00	1.59	8.837	O	|	|	|	|	14.44	40.000	0.00	1.56	8.175	O	|	|	|	|	13.78
35.000	0.00	1.59	8.826	O	|	|	|	|	14.43	40.083	0.00	1.56	8.164	O	|	|	|	|	13.77
35.083	0.00	1.59	8.815	O	|	|	|	|	14.42	40.167	0.00	1.56	8.154	O	|	|	|	|	13.76
35.167	0.00	1.59	8.804	O	|	|	|	|	14.41	40.250	0.00	1.55	8.143	O	|	|	|	|	13.75
35.250	0.00	1.59	8.793	O	|	|	|	|	14.40	40.333	0.00	1.55	8.132	O	|	|	|	|	13.73
35.333	0.00	1.59	8.782	O	|	|	|	|	14.39	40.417	0.00	1.55	8.122	O	|	|	|	|	13.72
35.417	0.00	1.59	8.771	O	|	|	|	|	14.37	40.500	0.00	1.55	8.111	O	|	|	|	|	13.71
35.500	0.00	1.59	8.760	O	|	|	|	|	14.36	40.583	0.00	1.55	8.100	O	|	|	|	|	13.70
35.583	0.00	1.59	8.749	O	|	|	|	|	14.35	40.667	0.00	1.55	8.090	O	|	|	|	|	13.69
35.667	0.00	1.59	8.738	O	|	|	|	|	14.34	40.750	0.00	1.55	8.079	O	|	|	|	|	13.68
35.750	0.00	1.59	8.728	O	|	|	|	|	14.33	40.833	0.00	1.55	8.068	O	|	|	|	|	13.67
35.833	0.00	1.59	8.717	O	|	|	|	|	14.32	40.917	0.00	1.55	8.058	O	|	|	|	|	13.66
35.917	0.00	1.59	8.706	O	|	|	|	|	14.31	41.000	0.00	1.55	8.047	O	|	|	|	|	13.65
36.000	0.00	1.58	8.695	O	|	|	|	|	14.30	41.083	0.00	1.55	8.036	O	|	|	|	|	13.63
36.083	0.00	1.58	8.684	O	|	|	|	|	14.29	41.167	0.00	1.55	8.026	O	|	|	|	|	13.62
36.167	0.00	1.58	8.673	O	|	|	|	|	14.28	41.250	0.00	1.55	8.015	O	|	|	|	|	13.61
36.250	0.00	1.58	8.662	O	|	|	|	|	14.27	41.333	0.00	1.55	8.004	O	|	|	|	|	13.60
36.333	0.00	1.58	8.651	O	|	|	|	|	14.26	41.417	0.00	1.55	7.994	O	|	|	|	|	13.59
36.417	0.00	1.58	8.640	O	|	|	|	|	14.25	41.500	0.00	1.54	7.983	O	|	|	|	|	13.58
36.500	0.00	1.58	8.629	O	|	|	|	|	14.24	41.583	0.00	1.54	7.972	O	|	|	|	|	13.57
36.583	0.00	1.58	8.618	O	|	|	|	|	14.23	41.667	0.00	1.54	7.962	O	|	|	|	|	13.56
36.667	0.00	1.58	8.608	O	|	|	|	|	14.21	41.750	0.00	1.54	7.951	O	|	|	|	|	13.55
36.750	0.00	1.58	8.597	O	|	|	|	|	14.20	41.833	0.00	1.54	7.940	O	|	|	|	|	13.53
36.833	0.00	1.58	8.586	O	|	|	|	|	14.19	41.917	0.00	1.54	7.930	O	|	|	|	|	13.52
36.917	0.00	1.58	8.575	O	|	|	|	|	14.18	42.000	0.00	1.54	7.919	O	|	|	|	|	13.51
37.000	0.00	1.58	8.564	O	|	|	|	|	14.17	42.083	0.00	1.54	7.909	O	|	|	|	|	13.50
37.083	0.00	1.58	8.553	O	|	|	|	|	14.16	42.167	0.00	1.54	7.898	O	|	|	|	|	13.49
37.167	0.00	1.58	8.542	O	|	|	|	|	14.15	42.250	0.00	1.54	7.887	O	|	|	|	|	13.48
37.250	0.00	1.58	8.531	O	|	|	|	|	14.14	42.333	0.00	1.54	7.877	O	|	|	|	|	13.47
37.333	0.00	1.58	8.521	O	|	|	|	|	14.13	42.417	0.00	1.54	7.866	O	|	|	|	|	13.46
37.417	0.00	1.58	8.510	O	|	|	|	|	14.12	42.500	0.00	1.54	7.856	O	|	|	|	|	13.45
37.500	0.00	1.58	8.499	O	|	|	|	|	14.11	42.583	0.00	1.54	7.845	O	|	|	|	|	13.44
37.583	0.00	1.57	8.488	O	|	|	|	|	14.10	42.667	0.00	1.54	7.834	O	|	|	|	|	13.42
37.667	0.00	1.57	8.477	O	|	|	|	|	14.09	42.750	0.00	1.53	7.824	O	|	|	|	|	13.41
37.750	0.00	1.57	8.466	O	|	|	|	|	14.08	42.833	0.00	1.53	7.813	O	|	|	|	|	13.40
37.833	0.00	1.57	8.455	O	|	|	|	|	14.07	42.917	0.00	1.53	7.803	O	|	|	|	|	13.39
37.917	0.00	1.57	8.445	O	|	|	|	|	14.06	43.000	0.00	1.53	7.792	O	|	|	|	|	13.38
38.000	0.00	1.57	8.434	O	|	|	|	|	14.05	43.083	0.00	1.53	7.782	O	|	|	|	|	13.37
38.083	0.00	1.57	8.423	O	|	|	|	|	14.04	43.167	0.00	1.53	7.771	O	|	|	|	|	13.36
38.167	0.00	1.57	8.412	O	|	|	|	|	14.02	43.250	0.00	1.53	7.761	O	|	|	|	|	13.35
38.250	0.00	1.57	8.401	O	|	|	|	|	14.01	43.333	0.00	1.53	7.750	O	|	|	|	|	13.34
38.333	0.00	1.57	8.391	O	|	|	|	|	14.00	43.417	0.00	1.53	7.739	O	|	|	|	|	13.33
38.417	0.00	1.57	8.380	O	|	|	|	|	13.99	43.500	0.00	1.53	7.729	O	|	|	|	|	13.31
38.500	0.00	1.57	8.369	O	|	|	|	|	13.98	43.583	0.00	1.53	7.718	O	|	|	|	|	13.30
38.583	0.00	1.57	8.358	O	|	|	|	|	13.97	43.667	0.00	1.53	7.708	O	|	|	|	|	13.29
38.667	0.00	1.57	8.347	O	|	|	|	|	13.96	43.750	0.00	1.53	7.697	O	|	|	|	|	13.28
38.750	0.00	1.57	8.337	O	|	|	|	|	13.95	43.833	0.00	1.53	7.687	O	|	|	|	|	13.27
38.833	0.00	1.57	8.326	O	|	|	|	|	13.94	43.917	0.00	1.53	7.676	O	|	|	|	|	13.26
38.917	0.00	1.57	8.315	O	|	|	|	|	13.92	44.000	0.00	1.52	7.666	O	|	|	|	|	13.25
39.000	0.00	1.56	8.304	O	|	|	|	|	13.91	44.083	0.00	1.52	7.655	O	|	|	|	|	13.24
39.083	0.00	1.56	8.293	O	|	|	|	|	13.90	44.167	0.00	1.52	7.645	O	|	|	|	|	13.23
39.167	0.00	1.56	8.283	O	|	|	|	|	13.89	44.250	0.00	1.52	7.634	O	|	|	|	|	13.22
39.250	0.00	1.56	8.272	O	|	|	|	|	13.88	44.333	0.00	1.52	7.624	O	|	|	|	|	13.21
39.333	0.00	1.56	8.261	O	|	|	|	|	13.87	44.417	0.00	1.52	7.613	O	|	|	|	|	13.19
39.417	0.00	1.56	8.250	O	|	|	|	|	13.86	44.500	0.00	1.52	7.603	O	|	|	|	|	13.18
39.500	0.00	1.56	8.240	O	|	|	|	|	13.85	44.583	0.00	1.52	7.592	O	|	|	|	|	13.17
39.583	0.00	1.56	8.229	O	|	|	|	|	13.84	44.667	0.00	1.52	7.582	O	|	|	|	|	13.16
39.667	0.00	1.56	8.218	O	|	|	|	|	13.82	44.750	0.00	1.52	7.572	O	|	|	|	|	13.15
39.750	0.00	1.56	8.207	O	|	|	|	|	13.81	44.833	0.00	1.52	7.561	O	|	|	|	|	13.14
39.833	0.00	1.56	8.197	O	|	|	|	|	13.80	44.917	0.00	1.52	7.551	O	|	|	|	|	13.13

45.000	0.00	1.52	7.540	O	|	|	|	|	13.12	50.083	0.00	1.48	6.911	O	|	|	|	|	12.43
45.083	0.00	1.52	7.530	O	|	|	|	|	13.11	50.167	0.00	1.47	6.901	O	|	|	|	|	12.42
45.167	0.00	1.52	7.519	O	|	|	|	|	13.10	50.250	0.00	1.47	6.891	O	|	|	|	|	12.40
45.250	0.00	1.52	7.509	O	|	|	|	|	13.09	50.333	0.00	1.47	6.881	O	|	|	|	|	12.39
45.333	0.00	1.51	7.498	O	|	|	|	|	13.07	50.417	0.00	1.47	6.871	O	|	|	|	|	12.38
45.417	0.00	1.51	7.488	O	|	|	|	|	13.06	50.500	0.00	1.47	6.861	O	|	|	|	|	12.37
45.500	0.00	1.51	7.478	O	|	|	|	|	13.05	50.583	0.00	1.47	6.851	O	|	|	|	|	12.36
45.583	0.00	1.51	7.467	O	|	|	|	|	13.04	50.667	0.00	1.47	6.840	O	|	|	|	|	12.35
45.667	0.00	1.51	7.457	O	|	|	|	|	13.03	50.750	0.00	1.47	6.830	O	|	|	|	|	12.34
45.750	0.00	1.51	7.446	O	|	|	|	|	13.02	50.833	0.00	1.47	6.820	O	|	|	|	|	12.33
45.833	0.00	1.51	7.436	O	|	|	|	|	13.01	50.917	0.00	1.47	6.810	O	|	|	|	|	12.31
45.917	0.00	1.51	7.425	O	|	|	|	|	13.00	51.000	0.00	1.47	6.800	O	|	|	|	|	12.30
46.000	0.00	1.51	7.415	O	|	|	|	|	12.99	51.083	0.00	1.47	6.790	O	|	|	|	|	12.29
46.083	0.00	1.51	7.405	O	|	|	|	|	12.98	51.167	0.00	1.47	6.780	O	|	|	|	|	12.28
46.167	0.00	1.51	7.394	O	|	|	|	|	12.96	51.250	0.00	1.47	6.770	O	|	|	|	|	12.27
46.250	0.00	1.51	7.384	O	|	|	|	|	12.95	51.333	0.00	1.47	6.760	O	|	|	|	|	12.26
46.333	0.00	1.51	7.374	O	|	|	|	|	12.94	51.417	0.00	1.46	6.749	O	|	|	|	|	12.25
46.417	0.00	1.51	7.363	O	|	|	|	|	12.93	51.500	0.00	1.46	6.739	O	|	|	|	|	12.24
46.500	0.00	1.51	7.353	O	|	|	|	|	12.92	51.583	0.00	1.46	6.729	O	|	|	|	|	12.22
46.583	0.00	1.50	7.342	O	|	|	|	|	12.91	51.667	0.00	1.46	6.719	O	|	|	|	|	12.21
46.667	0.00	1.50	7.332	O	|	|	|	|	12.89	51.750	0.00	1.46	6.709	O	|	|	|	|	12.20
46.750	0.00	1.50	7.322	O	|	|	|	|	12.88	51.833	0.00	1.46	6.699	O	|	|	|	|	12.19
46.833	0.00	1.50	7.311	O	|	|	|	|	12.87	51.917	0.00	1.46	6.689	O	|	|	|	|	12.18
46.917	0.00	1.50	7.301	O	|	|	|	|	12.86	52.000	0.00	1.46	6.679	O	|	|	|	|	12.17
47.000	0.00	1.50	7.291	O	|	|	|	|	12.85	52.083	0.00	1.46	6.669	O	|	|	|	|	12.16
47.083	0.00	1.50	7.280	O	|	|	|	|	12.84	52.167	0.00	1.46	6.659	O	|	|	|	|	12.15
47.167	0.00	1.50	7.270	O	|	|	|	|	12.83	52.250	0.00	1.46	6.649	O	|	|	|	|	12.13
47.250	0.00	1.50	7.260	O	|	|	|	|	12.81	52.333	0.00	1.46	6.639	O	|	|	|	|	12.12
47.333	0.00	1.50	7.249	O	|	|	|	|	12.80	52.417	0.00	1.46	6.629	O	|	|	|	|	12.11
47.417	0.00	1.50	7.239	O	|	|	|	|	12.79	52.500	0.00	1.46	6.619	O	|	|	|	|	12.10
47.500	0.00	1.50	7.229	O	|	|	|	|	12.78	52.583	0.00	1.46	6.609	O	|	|	|	|	12.09
47.583	0.00	1.50	7.218	O	|	|	|	|	12.77	52.667	0.00	1.45	6.599	O	|	|	|	|	12.08
47.667	0.00	1.50	7.208	O	|	|	|	|	12.76	52.750	0.00	1.45	6.589	O	|	|	|	|	12.07
47.750	0.00	1.49	7.198	O	|	|	|	|	12.75	52.833	0.00	1.45	6.579	O	|	|	|	|	12.06
47.833	0.00	1.49	7.188	O	|	|	|	|	12.73	52.917	0.00	1.45	6.569	O	|	|	|	|	12.05
47.917	0.00	1.49	7.177	O	|	|	|	|	12.72	53.000	0.00	1.45	6.559	O	|	|	|	|	12.03
48.000	0.00	1.49	7.167	O	|	|	|	|	12.71	53.083	0.00	1.45	6.549	O	|	|	|	|	12.02
48.083	0.00	1.49	7.157	O	|	|	|	|	12.70	53.167	0.00	1.45	6.539	O	|	|	|	|	12.01
48.167	0.00	1.49	7.146	O	|	|	|	|	12.69	53.250	0.00	1.45	6.529	O	|	|	|	|	12.00
48.250	0.00	1.49	7.136	O	|	|	|	|	12.68	53.333	0.00	1.45	6.519	O	|	|	|	|	11.99
48.333	0.00	1.49	7.126	O	|	|	|	|	12.67	53.417	0.00	1.45	6.509	O	|	|	|	|	11.98
48.417	0.00	1.49	7.116	O	|	|	|	|	12.65	53.500	0.00	1.45	6.499	O	|	|	|	|	11.97
48.500	0.00	1.49	7.105	O	|	|	|	|	12.64	53.583	0.00	1.45	6.489	O	|	|	|	|	11.95
48.583	0.00	1.49	7.095	O	|	|	|	|	12.63	53.667	0.00	1.45	6.479	O	|	|	|	|	11.94
48.667	0.00	1.49	7.085	O	|	|	|	|	12.62	53.750	0.00	1.45	6.469	O	|	|	|	|	11.93
48.750	0.00	1.49	7.075	O	|	|	|	|	12.61	53.833	0.00	1.45	6.459	O	|	|	|	|	11.92
48.833	0.00	1.49	7.064	O	|	|	|	|	12.60	53.917	0.00	1.44	6.449	O	|	|	|	|	11.91
48.917	0.00	1.49	7.054	O	|	|	|	|	12.59	54.000	0.00	1.44	6.439	O	|	|	|	|	11.89
49.000	0.00	1.48	7.044	O	|	|	|	|	12.57	54.083	0.00	1.44	6.429	O	|	|	|	|	11.88
49.083	0.00	1.48	7.034	O	|	|	|	|	12.56	54.167	0.00	1.44	6.419	O	|	|	|	|	11.87
49.167	0.00	1.48	7.024	O	|	|	|	|	12.55	54.250	0.00	1.44	6.409	O	|	|	|	|	11.86
49.250	0.00	1.48	7.013	O	|	|	|	|	12.54	54.333	0.00	1.44	6.399	O	|	|	|	|	11.85
49.333	0.00	1.48	7.003	O	|	|	|	|	12.53	54.417	0.00	1.44	6.389	O	|	|	|	|	11.83
49.417	0.00	1.48	6.993	O	|	|	|	|	12.52	54.500	0.00	1.44	6.379	O	|	|	|	|	11.82
49.500	0.00	1.48	6.983	O	|	|	|	|	12.51	54.583	0.00	1.44	6.369	O	|	|	|	|	11.81
49.583	0.00	1.48	6.973	O	|	|	|	|	12.49	54.667	0.00	1.44	6.360	O	|	|	|	|	11.80
49.667	0.00	1.48	6.962	O	|	|	|	|	12.48	54.750	0.00	1.44	6.350	O	|	|	|	|	11.79
49.750	0.00	1.48	6.952	O	|	|	|	|	12.47	54.833	0.00	1.44	6.340	O	|	|	|	|	11.78
49.833	0.00	1.48	6.942	O	|	|	|	|	12.46	54.917	0.00	1.44	6.330	O	|	|	|	|	11.76
49.917	0.00	1.48	6.932	O	|	|	|	|	12.45	55.000	0.00	1.44	6.320	O	|	|	|	|	11.75
50.000	0.00	1.48	6.922	O	|	|	|	|	12.44	55.083	0.00	1.43	6.310	O	|	|	|	|	11.74

55.167	0.00	1.43	6.300	O	|	|	|	|	11.73	60.250	0.00	1.39	5.707	O	|	|	|	|	11.02
55.250	0.00	1.43	6.290	O	|	|	|	|	11.72	60.333	0.00	1.39	5.697	O	|	|	|	|	11.01
55.333	0.00	1.43	6.281	O	|	|	|	|	11.71	60.417	0.00	1.39	5.688	O	|	|	|	|	11.00
55.417	0.00	1.43	6.271	O	|	|	|	|	11.69	60.500	0.00	1.39	5.678	O	|	|	|	|	10.99
55.500	0.00	1.43	6.261	O	|	|	|	|	11.68	60.583	0.00	1.39	5.669	O	|	|	|	|	10.97
55.583	0.00	1.43	6.251	O	|	|	|	|	11.67	60.667	0.00	1.39	5.659	O	|	|	|	|	10.96
55.667	0.00	1.43	6.241	O	|	|	|	|	11.66	60.750	0.00	1.39	5.650	O	|	|	|	|	10.95
55.750	0.00	1.43	6.231	O	|	|	|	|	11.65	60.833	0.00	1.39	5.640	O	|	|	|	|	10.93
55.833	0.00	1.43	6.221	O	|	|	|	|	11.63	60.917	0.00	1.38	5.630	O	|	|	|	|	10.92
55.917	0.00	1.43	6.212	O	|	|	|	|	11.62	61.000	0.00	1.38	5.621	O	|	|	|	|	10.91
56.000	0.00	1.43	6.202	O	|	|	|	|	11.61	61.083	0.00	1.38	5.611	O	|	|	|	|	10.90
56.083	0.00	1.43	6.192	O	|	|	|	|	11.60	61.167	0.00	1.38	5.602	O	|	|	|	|	10.88
56.167	0.00	1.43	6.182	O	|	|	|	|	11.59	61.250	0.00	1.38	5.592	O	|	|	|	|	10.87
56.250	0.00	1.42	6.172	O	|	|	|	|	11.58	61.333	0.00	1.38	5.583	O	|	|	|	|	10.86
56.333	0.00	1.42	6.162	O	|	|	|	|	11.56	61.417	0.00	1.38	5.573	O	|	|	|	|	10.85
56.417	0.00	1.42	6.153	O	|	|	|	|	11.55	61.500	0.00	1.38	5.564	O	|	|	|	|	10.83
56.500	0.00	1.42	6.143	O	|	|	|	|	11.54	61.583	0.00	1.38	5.554	O	|	|	|	|	10.82
56.583	0.00	1.42	6.133	O	|	|	|	|	11.53	61.667	0.00	1.38	5.545	O	|	|	|	|	10.81
56.667	0.00	1.42	6.123	O	|	|	|	|	11.52	61.750	0.00	1.38	5.535	O	|	|	|	|	10.80
56.750	0.00	1.42	6.114	O	|	|	|	|	11.51	61.833	0.00	1.37	5.526	O	|	|	|	|	10.78
56.833	0.00	1.42	6.104	O	|	|	|	|	11.49	61.917	0.00	1.37	5.516	O	|	|	|	|	10.77
56.917	0.00	1.42	6.094	O	|	|	|	|	11.48	62.000	0.00	1.37	5.507	O	|	|	|	|	10.76
57.000	0.00	1.42	6.084	O	|	|	|	|	11.47	62.083	0.00	1.37	5.498	O	|	|	|	|	10.75
57.083	0.00	1.42	6.074	O	|	|	|	|	11.46	62.167	0.00	1.37	5.488	O	|	|	|	|	10.73
57.167	0.00	1.42	6.065	O	|	|	|	|	11.45	62.250	0.00	1.37	5.479	O	|	|	|	|	10.72
57.250	0.00	1.42	6.055	O	|	|	|	|	11.44	62.333	0.00	1.37	5.469	O	|	|	|	|	10.71
57.333	0.00	1.42	6.045	O	|	|	|	|	11.42	62.417	0.00	1.37	5.460	O	|	|	|	|	10.70
57.417	0.00	1.41	6.035	O	|	|	|	|	11.41	62.500	0.00	1.37	5.450	O	|	|	|	|	10.68
57.500	0.00	1.41	6.026	O	|	|	|	|	11.40	62.583	0.00	1.37	5.441	O	|	|	|	|	10.67
57.583	0.00	1.41	6.016	O	|	|	|	|	11.39	62.667	0.00	1.37	5.432	O	|	|	|	|	10.66
57.667	0.00	1.41	6.006	O	|	|	|	|	11.38	62.750	0.00	1.37	5.422	O	|	|	|	|	10.65
57.750	0.00	1.41	5.996	O	|	|	|	|	11.37	62.833	0.00	1.36	5.413	O	|	|	|	|	10.63
57.833	0.00	1.41	5.987	O	|	|	|	|	11.35	62.917	0.00	1.36	5.403	O	|	|	|	|	10.62
57.917	0.00	1.41	5.977	O	|	|	|	|	11.34	63.000	0.00	1.36	5.394	O	|	|	|	|	10.61
58.000	0.00	1.41	5.967	O	|	|	|	|	11.33	63.083	0.00	1.36	5.385	O	|	|	|	|	10.60
58.083	0.00	1.41	5.958	O	|	|	|	|	11.32	63.167	0.00	1.36	5.375	O	|	|	|	|	10.58
58.167	0.00	1.41	5.948	O	|	|	|	|	11.31	63.250	0.00	1.36	5.366	O	|	|	|	|	10.57
58.250	0.00	1.41	5.938	O	|	|	|	|	11.30	63.333	0.00	1.36	5.356	O	|	|	|	|	10.56
58.333	0.00	1.41	5.929	O	|	|	|	|	11.29	63.417	0.00	1.36	5.347	O	|	|	|	|	10.55
58.417	0.00	1.41	5.919	O	|	|	|	|	11.27	63.500	0.00	1.36	5.338	O	|	|	|	|	10.53
58.500	0.00	1.41	5.909	O	|	|	|	|	11.26	63.583	0.00	1.36	5.328	O	|	|	|	|	10.52
58.583	0.00	1.41	5.899	O	|	|	|	|	11.25	63.667	0.00	1.36	5.319	O	|	|	|	|	10.51
58.667	0.00	1.40	5.890	O	|	|	|	|	11.24	63.750	0.00	1.35	5.310	O	|	|	|	|	10.50
58.750	0.00	1.40	5.880	O	|	|	|	|	11.23	63.833	0.00	1.35	5.300	O	|	|	|	|	10.48
58.833	0.00	1.40	5.870	O	|	|	|	|	11.22	63.917	0.00	1.35	5.291	O	|	|	|	|	10.47
58.917	0.00	1.40	5.861	O	|	|	|	|	11.20	64.000	0.00	1.35	5.282	O	|	|	|	|	10.46
59.000	0.00	1.40	5.851	O	|	|	|	|	11.19	64.083	0.00	1.35	5.272	O	|	|	|	|	10.45
59.083	0.00	1.40	5.842	O	|	|	|	|	11.18	64.167	0.00	1.35	5.263	O	|	|	|	|	10.43
59.167	0.00	1.40	5.832	O	|	|	|	|	11.17	64.250	0.00	1.35	5.254	O	|	|	|	|	10.42
59.250	0.00	1.40	5.822	O	|	|	|	|	11.16	64.333	0.00	1.35	5.245	O	|	|	|	|	10.41
59.333	0.00	1.40	5.813	O	|	|	|	|	11.15	64.417	0.00	1.35	5.235	O	|	|	|	|	10.40
59.417	0.00	1.40	5.803	O	|	|	|	|	11.14	64.500	0.00	1.35	5.226	O	|	|	|	|	10.38
59.500	0.00	1.40	5.793	O	|	|	|	|	11.12	64.583	0.00	1.35	5.217	O	|	|	|	|	10.37
59.583	0.00	1.40	5.784	O	|	|	|	|	11.11	64.667	0.00	1.35	5.207	O	|	|	|	|	10.36
59.667	0.00	1.40	5.774	O	|	|	|	|	11.10	64.750	0.00	1.34	5.198	O	|	|	|	|	10.35
59.750	0.00	1.40	5.764	O	|	|	|	|	11.09	64.833	0.00	1.34	5.189	O	|	|	|	|	10.34
59.833	0.00	1.39	5.755	O	|	|	|	|	11.08	64.917	0.00	1.34	5.180	O	|	|	|	|	10.32
59.917	0.00	1.39	5.745	O	|	|	|	|	11.07	65.000	0.00	1.34	5.170	O	|	|	|	|	10.31
60.000	0.00	1.39	5.736	O	|	|	|	|	11.06	65.083	0.00	1.34	5.161	O	|	|	|	|	10.30
60.083	0.00	1.39	5.726	O	|	|	|	|	11.04	65.167	0.00	1.34	5.152	O	|	|	|	|	10.29
60.167	0.00	1.39	5.716	O	|	|	|	|	11.03	65.250	0.00	1.34	5.143	O	|	|	|	|	10.27

65.333	0.00	1.34	5.134	O	|	|	|	|	10.26	70.417	0.00	1.29	4.582	O	|	|	|	|	9.53
65.417	0.00	1.34	5.124	O	|	|	|	|	10.25	70.500	0.00	1.29	4.573	O	|	|	|	|	9.52
65.500	0.00	1.34	5.115	O	|	|	|	|	10.24	70.583	0.00	1.29	4.564	O	|	|	|	|	9.51
65.583	0.00	1.34	5.106	O	|	|	|	|	10.23	70.667	0.00	1.28	4.556	O	|	|	|	|	9.49
65.667	0.00	1.33	5.097	O	|	|	|	|	10.21	70.750	0.00	1.28	4.547	O	|	|	|	|	9.48
65.750	0.00	1.33	5.088	O	|	|	|	|	10.20	70.833	0.00	1.28	4.538	O	|	|	|	|	9.47
65.833	0.00	1.33	5.078	O	|	|	|	|	10.19	70.917	0.00	1.28	4.529	O	|	|	|	|	9.46
65.917	0.00	1.33	5.069	O	|	|	|	|	10.18	71.000	0.00	1.28	4.520	O	|	|	|	|	9.45
66.000	0.00	1.33	5.060	O	|	|	|	|	10.16	71.083	0.00	1.28	4.511	O	|	|	|	|	9.44
66.083	0.00	1.33	5.051	O	|	|	|	|	10.15	71.167	0.00	1.28	4.503	O	|	|	|	|	9.42
66.167	0.00	1.33	5.042	O	|	|	|	|	10.14	71.250	0.00	1.28	4.494	O	|	|	|	|	9.41
66.250	0.00	1.33	5.032	O	|	|	|	|	10.13	71.333	0.00	1.28	4.485	O	|	|	|	|	9.40
66.333	0.00	1.33	5.023	O	|	|	|	|	10.12	71.417	0.00	1.28	4.476	O	|	|	|	|	9.39
66.417	0.00	1.33	5.014	O	|	|	|	|	10.10	71.500	0.00	1.28	4.467	O	|	|	|	|	9.38
66.500	0.00	1.33	5.005	O	|	|	|	|	10.09	71.583	0.00	1.28	4.459	O	|	|	|	|	9.36
66.583	0.00	1.33	4.996	O	|	|	|	|	10.08	71.667	0.00	1.27	4.450	O	|	|	|	|	9.35
66.667	0.00	1.32	4.987	O	|	|	|	|	10.07	71.750	0.00	1.27	4.441	O	|	|	|	|	9.34
66.750	0.00	1.32	4.978	O	|	|	|	|	10.05	71.833	0.00	1.27	4.432	O	|	|	|	|	9.33
66.833	0.00	1.32	4.969	O	|	|	|	|	10.04	71.917	0.00	1.27	4.423	O	|	|	|	|	9.32
66.917	0.00	1.32	4.959	O	|	|	|	|	10.03	72.000	0.00	1.27	4.415	O	|	|	|	|	9.31
67.000	0.00	1.32	4.950	O	|	|	|	|	10.02	72.083	0.00	1.27	4.406	O	|	|	|	|	9.29
67.083	0.00	1.32	4.941	O	|	|	|	|	10.01	72.167	0.00	1.27	4.397	O	|	|	|	|	9.28
67.167	0.00	1.32	4.932	O	|	|	|	|	9.99	72.250	0.00	1.27	4.388	O	|	|	|	|	9.27
67.250	0.00	1.32	4.923	O	|	|	|	|	9.98	72.333	0.00	1.27	4.380	O	|	|	|	|	9.26
67.333	0.00	1.32	4.914	O	|	|	|	|	9.97	72.417	0.00	1.27	4.371	O	|	|	|	|	9.25
67.417	0.00	1.32	4.905	O	|	|	|	|	9.96	72.500	0.00	1.27	4.362	O	|	|	|	|	9.24
67.500	0.00	1.32	4.896	O	|	|	|	|	9.95	72.583	0.00	1.27	4.354	O	|	|	|	|	9.23
67.583	0.00	1.32	4.887	O	|	|	|	|	9.93	72.667	0.00	1.26	4.345	O	|	|	|	|	9.21
67.667	0.00	1.31	4.878	O	|	|	|	|	9.92	72.750	0.00	1.26	4.336	O	|	|	|	|	9.20
67.750	0.00	1.31	4.869	O	|	|	|	|	9.91	72.833	0.00	1.26	4.327	O	|	|	|	|	9.19
67.833	0.00	1.31	4.860	O	|	|	|	|	9.90	72.917	0.00	1.26	4.319	O	|	|	|	|	9.18
67.917	0.00	1.31	4.851	O	|	|	|	|	9.89	73.000	0.00	1.26	4.310	O	|	|	|	|	9.17
68.000	0.00	1.31	4.842	O	|	|	|	|	9.87	73.083	0.00	1.26	4.301	O	|	|	|	|	9.16
68.083	0.00	1.31	4.833	O	|	|	|	|	9.86	73.167	0.00	1.26	4.293	O	|	|	|	|	9.14
68.167	0.00	1.31	4.824	O	|	|	|	|	9.85	73.250	0.00	1.26	4.284	O	|	|	|	|	9.13
68.250	0.00	1.31	4.815	O	|	|	|	|	9.84	73.333	0.00	1.26	4.275	O	|	|	|	|	9.12
68.333	0.00	1.31	4.806	O	|	|	|	|	9.83	73.417	0.00	1.26	4.267	O	|	|	|	|	9.11
68.417	0.00	1.31	4.797	O	|	|	|	|	9.81	73.500	0.00	1.26	4.258	O	|	|	|	|	9.10
68.500	0.00	1.31	4.788	O	|	|	|	|	9.80	73.583	0.00	1.26	4.249	O	|	|	|	|	9.09
68.583	0.00	1.31	4.779	O	|	|	|	|	9.79	73.667	0.00	1.26	4.241	O	|	|	|	|	9.08
68.667	0.00	1.30	4.770	O	|	|	|	|	9.78	73.750	0.00	1.25	4.232	O	|	|	|	|	9.06
68.750	0.00	1.30	4.761	O	|	|	|	|	9.77	73.833	0.00	1.25	4.223	O	|	|	|	|	9.05
68.833	0.00	1.30	4.752	O	|	|	|	|	9.75	73.917	0.00	1.25	4.215	O	|	|	|	|	9.04
68.917	0.00	1.30	4.743	O	|	|	|	|	9.74	74.000	0.00	1.25	4.206	O	|	|	|	|	9.03
69.000	0.00	1.30	4.734	O	|	|	|	|	9.73	74.083	0.00	1.25	4.198	O	|	|	|	|	9.02
69.083	0.00	1.30	4.725	O	|	|	|	|	9.72	74.167	0.00	1.25	4.189	O	|	|	|	|	9.01
69.167	0.00	1.30	4.716	O	|	|	|	|	9.71	74.250	0.00	1.25	4.180	O	|	|	|	|	8.99
69.250	0.00	1.30	4.707	O	|	|	|	|	9.69	74.333	0.00	1.25	4.172	O	|	|	|	|	8.98
69.333	0.00	1.30	4.698	O	|	|	|	|	9.68	74.417	0.00	1.25	4.163	O	|	|	|	|	8.97
69.417	0.00	1.30	4.689	O	|	|	|	|	9.67	74.500	0.00	1.25	4.155	O	|	|	|	|	8.95
69.500	0.00	1.30	4.680	O	|	|	|	|	9.66	74.583	0.00	1.25	4.146	O	|	|	|	|	8.94
69.583	0.00	1.30	4.671	O	|	|	|	|	9.65	74.667	0.00	1.24	4.137	O	|	|	|	|	8.93
69.667	0.00	1.29	4.662	O	|	|	|	|	9.64	74.750	0.00	1.24	4.129	O	|	|	|	|	8.91
69.750	0.00	1.29	4.653	O	|	|	|	|	9.62	74.833	0.00	1.24	4.120	O	|	|	|	|	8.90
69.833	0.00	1.29	4.644	O	|	|	|	|	9.61	74.917	0.00	1.24	4.112	O	|	|	|	|	8.89
69.917	0.00	1.29	4.635	O	|	|	|	|	9.60	75.000	0.00	1.24	4.103	O	|	|	|	|	8.87
70.000	0.00	1.29	4.627	O	|	|	|	|	9.59	75.083	0.00	1.24	4.095	O	|	|	|	|	8.86
70.083	0.00	1.29	4.618	O	|	|	|	|	9.58	75.167	0.00	1.24	4.086	O	|	|	|	|	8.85
70.167	0.00	1.29	4.609	O	|	|	|	|	9.56	75.250	0.00	1.24	4.078	O	|	|	|	|	8.83
70.250	0.00	1.29	4.600	O	|	|	|	|	9.55	75.333	0.00	1.24	4.069	O	|	|	|	|	8.82
70.333	0.00	1.29	4.591	O	|	|	|	|	9.54	75.417	0.00	1.24	4.060	O	|	|	|	|	8.81

75.500	0.00	1.24	4.052	O	|	|	|	|	8.79	80.583	0.00	1.18	3.545	O	|	|	|	|	8.00
75.583	0.00	1.23	4.043	O	|	|	|	|	8.78	80.667	0.00	1.18	3.537	O	|	|	|	|	7.99
75.667	0.00	1.23	4.035	O	|	|	|	|	8.77	80.750	0.00	1.18	3.528	O	|	|	|	|	7.97
75.750	0.00	1.23	4.026	O	|	|	|	|	8.75	80.833	0.00	1.18	3.520	O	|	|	|	|	7.96
75.833	0.00	1.23	4.018	O	|	|	|	|	8.74	80.917	0.00	1.18	3.512	O	|	|	|	|	7.95
75.917	0.00	1.23	4.010	O	|	|	|	|	8.73	81.000	0.00	1.18	3.504	O	|	|	|	|	7.94
76.000	0.00	1.23	4.001	O	|	|	|	|	8.71	81.083	0.00	1.17	3.496	O	|	|	|	|	7.92
76.083	0.00	1.23	3.993	O	|	|	|	|	8.70	81.167	0.00	1.17	3.488	O	|	|	|	|	7.91
76.167	0.00	1.23	3.984	O	|	|	|	|	8.69	81.250	0.00	1.17	3.480	O	|	|	|	|	7.90
76.250	0.00	1.23	3.976	O	|	|	|	|	8.67	81.333	0.00	1.17	3.472	O	|	|	|	|	7.88
76.333	0.00	1.23	3.967	O	|	|	|	|	8.66	81.417	0.00	1.17	3.464	O	|	|	|	|	7.87
76.417	0.00	1.23	3.959	O	|	|	|	|	8.65	81.500	0.00	1.17	3.456	O	|	|	|	|	7.86
76.500	0.00	1.22	3.950	O	|	|	|	|	8.63	81.583	0.00	1.17	3.448	O	|	|	|	|	7.85
76.583	0.00	1.22	3.942	O	|	|	|	|	8.62	81.667	0.00	1.17	3.440	O	|	|	|	|	7.83
76.667	0.00	1.22	3.933	O	|	|	|	|	8.61	81.750	0.00	1.17	3.432	O	|	|	|	|	7.82
76.750	0.00	1.22	3.925	O	|	|	|	|	8.59	81.833	0.00	1.17	3.423	O	|	|	|	|	7.81
76.833	0.00	1.22	3.917	O	|	|	|	|	8.58	81.917	0.00	1.17	3.415	O	|	|	|	|	7.80
76.917	0.00	1.22	3.908	O	|	|	|	|	8.57	82.000	0.00	1.16	3.407	O	|	|	|	|	7.78
77.000	0.00	1.22	3.900	O	|	|	|	|	8.55	82.083	0.00	1.16	3.399	O	|	|	|	|	7.77
77.083	0.00	1.22	3.891	O	|	|	|	|	8.54	82.167	0.00	1.16	3.391	O	|	|	|	|	7.76
77.167	0.00	1.22	3.883	O	|	|	|	|	8.53	82.250	0.00	1.16	3.383	O	|	|	|	|	7.75
77.250	0.00	1.22	3.875	O	|	|	|	|	8.52	82.333	0.00	1.16	3.375	O	|	|	|	|	7.73
77.333	0.00	1.22	3.866	O	|	|	|	|	8.50	82.417	0.00	1.16	3.367	O	|	|	|	|	7.72
77.417	0.00	1.21	3.858	O	|	|	|	|	8.49	82.500	0.00	1.16	3.359	O	|	|	|	|	7.71
77.500	0.00	1.21	3.850	O	|	|	|	|	8.48	82.583	0.00	1.16	3.351	O	|	|	|	|	7.70
77.583	0.00	1.21	3.841	O	|	|	|	|	8.46	82.667	0.00	1.16	3.343	O	|	|	|	|	7.68
77.667	0.00	1.21	3.833	O	|	|	|	|	8.45	82.750	0.00	1.16	3.335	O	|	|	|	|	7.67
77.750	0.00	1.21	3.825	O	|	|	|	|	8.44	82.833	0.00	1.16	3.328	O	|	|	|	|	7.66
77.833	0.00	1.21	3.816	O	|	|	|	|	8.42	82.917	0.00	1.16	3.320	O	|	|	|	|	7.65
77.917	0.00	1.21	3.808	O	|	|	|	|	8.41	83.000	0.00	1.15	3.312	O	|	|	|	|	7.63
78.000	0.00	1.21	3.800	O	|	|	|	|	8.40	83.083	0.00	1.15	3.304	O	|	|	|	|	7.62
78.083	0.00	1.21	3.791	O	|	|	|	|	8.38	83.167	0.00	1.15	3.296	O	|	|	|	|	7.61
78.167	0.00	1.21	3.783	O	|	|	|	|	8.37	83.250	0.00	1.15	3.288	O	|	|	|	|	7.60
78.250	0.00	1.21	3.775	O	|	|	|	|	8.36	83.333	0.00	1.15	3.280	O	|	|	|	|	7.58
78.333	0.00	1.20	3.766	O	|	|	|	|	8.35	83.417	0.00	1.15	3.272	O	|	|	|	|	7.57
78.417	0.00	1.20	3.758	O	|	|	|	|	8.33	83.500	0.00	1.15	3.264	O	|	|	|	|	7.56
78.500	0.00	1.20	3.750	O	|	|	|	|	8.32	83.583	0.00	1.15	3.256	O	|	|	|	|	7.55
78.583	0.00	1.20	3.741	O	|	|	|	|	8.31	83.667	0.00	1.15	3.248	O	|	|	|	|	7.53
78.667	0.00	1.20	3.733	O	|	|	|	|	8.29	83.750	0.00	1.15	3.240	O	|	|	|	|	7.52
78.750	0.00	1.20	3.725	O	|	|	|	|	8.28	83.833	0.00	1.15	3.232	O	|	|	|	|	7.51
78.833	0.00	1.20	3.717	O	|	|	|	|	8.27	83.917	0.00	1.14	3.225	O	|	|	|	|	7.50
78.917	0.00	1.20	3.708	O	|	|	|	|	8.26	84.000	0.00	1.14	3.217	O	|	|	|	|	7.48
79.000	0.00	1.20	3.700	O	|	|	|	|	8.24	84.083	0.00	1.14	3.209	O	|	|	|	|	7.47
79.083	0.00	1.20	3.692	O	|	|	|	|	8.23	84.167	0.00	1.14	3.201	O	|	|	|	|	7.46
79.167	0.00	1.20	3.684	O	|	|	|	|	8.22	84.250	0.00	1.14	3.193	O	|	|	|	|	7.45
79.250	0.00	1.19	3.675	O	|	|	|	|	8.20	84.333	0.00	1.14	3.185	O	|	|	|	|	7.44
79.333	0.00	1.19	3.667	O	|	|	|	|	8.19	84.417	0.00	1.14	3.177	O	|	|	|	|	7.42
79.417	0.00	1.19	3.659	O	|	|	|	|	8.18	84.500	0.00	1.14	3.169	O	|	|	|	|	7.41
79.500	0.00	1.19	3.651	O	|	|	|	|	8.16	84.583	0.00	1.14	3.162	O	|	|	|	|	7.40
79.583	0.00	1.19	3.643	O	|	|	|	|	8.15	84.667	0.00	1.14	3.154	O	|	|	|	|	7.39
79.667	0.00	1.19	3.634	O	|	|	|	|	8.14	84.750	0.00	1.14	3.146	O	|	|	|	|	7.37
79.750	0.00	1.19	3.626	O	|	|	|	|	8.13	84.833	0.00	1.14	3.138	O	|	|	|	|	7.36
79.833	0.00	1.19	3.618	O	|	|	|	|	8.11	84.917	0.00	1.13	3.130	O	|	|	|	|	7.35
79.917	0.00	1.19	3.610	O	|	|	|	|	8.10	85.000	0.00	1.13	3.123	O	|	|	|	|	7.34
80.000	0.00	1.19	3.602	O	|	|	|	|	8.09	85.083	0.00	1.13	3.115	O	|	|	|	|	7.33
80.083	0.00	1.19	3.594	O	|	|	|	|	8.08	85.167	0.00	1.13	3.107	O	|	|	|	|	7.31
80.167	0.00	1.18	3.585	O	|	|	|	|	8.06	85.250	0.00	1.13	3.099	O	|	|	|	|	7.30
80.250	0.00	1.18	3.577	O	|	|	|	|	8.05	85.333	0.00	1.13	3.091	O	|	|	|	|	7.29
80.333	0.00	1.18	3.569	O	|	|	|	|	8.04	85.417	0.00	1.13	3.084	O	|	|	|	|	7.28
80.417	0.00	1.18	3.561	O	|	|	|	|	8.02	85.500	0.00	1.13	3.076	O	|	|	|	|	7.26
80.500	0.00	1.18	3.553	O	|	|	|	|	8.01	85.583	0.00	1.13	3.068	O	|	|	|	|	7.25

85.667	0.00	1.13	3.060	O	|	|	|	|	7.24	90.750	0.00	1.06	2.600	O	|	|	|	|	6.43
85.750	0.00	1.13	3.052	O	|	|	|	|	7.23	90.833	0.00	1.06	2.593	O	|	|	|	|	6.41
85.833	0.00	1.13	3.045	O	|	|	|	|	7.22	90.917	0.00	1.06	2.586	O	|	|	|	|	6.40
85.917	0.00	1.12	3.037	O	|	|	|	|	7.20	91.000	0.00	1.05	2.578	O	|	|	|	|	6.38
86.000	0.00	1.12	3.029	O	|	|	|	|	7.19	91.083	0.00	1.05	2.571	O	|	|	|	|	6.37
86.083	0.00	1.12	3.022	O	|	|	|	|	7.18	91.167	0.00	1.05	2.564	O	|	|	|	|	6.36
86.167	0.00	1.12	3.014	O	|	|	|	|	7.17	91.250	0.00	1.05	2.557	O	|	|	|	|	6.34
86.250	0.00	1.12	3.006	O	|	|	|	|	7.16	91.333	0.00	1.05	2.549	O	|	|	|	|	6.33
86.333	0.00	1.12	2.998	O	|	|	|	|	7.14	91.417	0.00	1.05	2.542	O	|	|	|	|	6.32
86.417	0.00	1.12	2.991	O	|	|	|	|	7.13	91.500	0.00	1.05	2.535	O	|	|	|	|	6.30
86.500	0.00	1.12	2.983	O	|	|	|	|	7.12	91.583	0.00	1.05	2.528	O	|	|	|	|	6.29
86.583	0.00	1.12	2.975	O	|	|	|	|	7.11	91.667	0.00	1.04	2.520	O	|	|	|	|	6.28
86.667	0.00	1.12	2.968	O	|	|	|	|	7.09	91.750	0.00	1.04	2.513	O	|	|	|	|	6.26
86.750	0.00	1.12	2.960	O	|	|	|	|	7.08	91.833	0.00	1.04	2.506	O	|	|	|	|	6.25
86.833	0.00	1.11	2.952	O	|	|	|	|	7.07	91.917	0.00	1.04	2.499	O	|	|	|	|	6.24
86.917	0.00	1.11	2.944	O	|	|	|	|	7.06	92.000	0.00	1.04	2.492	O	|	|	|	|	6.22
87.000	0.00	1.11	2.937	O	|	|	|	|	7.05	92.083	0.00	1.04	2.485	O	|	|	|	|	6.21
87.083	0.00	1.11	2.929	O	|	|	|	|	7.03	92.167	0.00	1.04	2.477	O	|	|	|	|	6.20
87.167	0.00	1.11	2.921	O	|	|	|	|	7.02	92.250	0.00	1.04	2.470	O	|	|	|	|	6.18
87.250	0.00	1.11	2.914	O	|	|	|	|	7.01	92.333	0.00	1.04	2.463	O	|	|	|	|	6.17
87.333	0.00	1.11	2.906	O	|	|	|	|	7.00	92.417	0.00	1.03	2.456	O	|	|	|	|	6.16
87.417	0.00	1.11	2.899	O	|	|	|	|	6.98	92.500	0.00	1.03	2.449	O	|	|	|	|	6.14
87.500	0.00	1.11	2.891	O	|	|	|	|	6.97	92.583	0.00	1.03	2.442	O	|	|	|	|	6.13
87.583	0.00	1.11	2.883	O	|	|	|	|	6.96	92.667	0.00	1.03	2.435	O	|	|	|	|	6.12
87.667	0.00	1.10	2.876	O	|	|	|	|	6.94	92.750	0.00	1.03	2.428	O	|	|	|	|	6.10
87.750	0.00	1.10	2.868	O	|	|	|	|	6.93	92.833	0.00	1.03	2.421	O	|	|	|	|	6.09
87.833	0.00	1.10	2.860	O	|	|	|	|	6.91	92.917	0.00	1.03	2.413	O	|	|	|	|	6.08
87.917	0.00	1.10	2.853	O	|	|	|	|	6.90	93.000	0.00	1.03	2.406	O	|	|	|	|	6.06
88.000	0.00	1.10	2.845	O	|	|	|	|	6.88	93.083	0.00	1.02	2.399	O	|	|	|	|	6.05
88.083	0.00	1.10	2.838	O	|	|	|	|	6.87	93.167	0.00	1.02	2.392	O	|	|	|	|	6.04
88.167	0.00	1.10	2.830	O	|	|	|	|	6.86	93.250	0.00	1.02	2.385	O	|	|	|	|	6.02
88.250	0.00	1.10	2.823	O	|	|	|	|	6.84	93.333	0.00	1.02	2.378	O	|	|	|	|	6.01
88.333	0.00	1.09	2.815	O	|	|	|	|	6.83	93.417	0.00	1.02	2.371	O	|	|	|	|	6.00
88.417	0.00	1.09	2.808	O	|	|	|	|	6.81	93.500	0.00	1.02	2.364	O	|	|	|	|	5.98
88.500	0.00	1.09	2.800	O	|	|	|	|	6.80	93.583	0.00	1.02	2.357	O	|	|	|	|	5.97
88.583	0.00	1.09	2.793	O	|	|	|	|	6.79	93.667	0.00	1.02	2.350	O	|	|	|	|	5.96
88.667	0.00	1.09	2.785	O	|	|	|	|	6.77	93.750	0.00	1.01	2.343	O	|	|	|	|	5.94
88.750	0.00	1.09	2.778	O	|	|	|	|	6.76	93.833	0.00	1.01	2.336	O	|	|	|	|	5.93
88.833	0.00	1.09	2.770	O	|	|	|	|	6.74	93.917	0.00	1.01	2.329	O	|	|	|	|	5.92
88.917	0.00	1.09	2.763	O	|	|	|	|	6.73	94.000	0.00	1.01	2.322	O	|	|	|	|	5.90
89.000	0.00	1.08	2.755	O	|	|	|	|	6.72	94.083	0.00	1.01	2.315	O	|	|	|	|	5.89
89.083	0.00	1.08	2.748	O	|	|	|	|	6.70	94.167	0.00	1.01	2.308	O	|	|	|	|	5.88
89.167	0.00	1.08	2.740	O	|	|	|	|	6.69	94.250	0.00	1.01	2.301	O	|	|	|	|	5.87
89.250	0.00	1.08	2.733	O	|	|	|	|	6.67	94.333	0.00	1.01	2.294	O	|	|	|	|	5.85
89.333	0.00	1.08	2.725	O	|	|	|	|	6.66	94.417	0.00	1.01	2.288	O	|	|	|	|	5.84
89.417	0.00	1.08	2.718	O	|	|	|	|	6.65	94.500	0.00	1.00	2.281	O	|	|	|	|	5.83
89.500	0.00	1.08	2.710	O	|	|	|	|	6.63	94.583	0.00	1.00	2.274	O	|	|	|	|	5.81
89.583	0.00	1.08	2.703	O	|	|	|	|	6.62	94.667	0.00	1.00	2.267	O	|	|	|	|	5.80
89.667	0.00	1.07	2.696	O	|	|	|	|	6.60	94.750	0.00	1.00	2.260	O	|	|	|	|	5.79
89.750	0.00	1.07	2.688	O	|	|	|	|	6.59	94.833	0.00	1.00	2.253	O	|	|	|	|	5.78
89.833	0.00	1.07	2.681	O	|	|	|	|	6.58	94.917	0.00	1.00	2.246	O	|	|	|	|	5.76
89.917	0.00	1.07	2.673	O	|	|	|	|	6.56	95.000	0.00	1.00	2.239	O	|	|	|	|	5.75
90.000	0.00	1.07	2.666	O	|	|	|	|	6.55	95.083	0.00	1.00	2.232	O	|	|	|	|	5.74
90.083	0.00	1.07	2.659	O	|	|	|	|	6.54	95.167	0.00	1.00	2.226	O	|	|	|	|	5.72
90.167	0.00	1.07	2.651	O	|	|	|	|	6.52	95.250	0.00	0.99	2.219	O	|	|	|	|	5.71
90.250	0.00	1.07	2.644	O	|	|	|	|	6.51	95.333	0.00	0.99	2.212	O	|	|	|	|	5.70
90.333	0.00	1.06	2.637	O	|	|	|	|	6.49	95.417	0.00	0.99	2.205	O	|	|	|	|	5.69
90.417	0.00	1.06	2.629	O	|	|	|	|	6.48	95.500	0.00	0.99	2.198	O	|	|	|	|	5.67
90.500	0.00	1.06	2.622	O	|	|	|	|	6.47	95.583	0.00	0.99	2.191	O	|	|	|	|	5.66
90.583	0.00	1.06	2.615	O	|	|	|	|	6.45	95.667	0.00	0.99	2.185	O	|	|	|	|	5.65
90.667	0.00	1.06	2.607	O	|	|	|	|	6.44	95.750	0.00	0.99	2.178	O	|	|	|	|	5.63

95.833	0.00	0.99	2.171	O	|	|	|	|	5.62	100.917	0.00	0.91	1.771	O	|	|	|	|	4.84
95.917	0.00	0.98	2.164	O	|	|	|	|	5.61	101.000	0.00	0.91	1.765	O	|	|	|	|	4.83
96.000	0.00	0.98	2.157	O	|	|	|	|	5.60	101.083	0.00	0.91	1.759	O	|	|	|	|	4.82
96.083	0.00	0.98	2.151	O	|	|	|	|	5.58	101.167	0.00	0.91	1.752	O	|	|	|	|	4.80
96.167	0.00	0.98	2.144	O	|	|	|	|	5.57	101.250	0.00	0.91	1.746	O	|	|	|	|	4.79
96.250	0.00	0.98	2.137	O	|	|	|	|	5.56	101.333	0.00	0.91	1.740	O	|	|	|	|	4.77
96.333	0.00	0.98	2.130	O	|	|	|	|	5.55	101.417	0.00	0.90	1.734	O	|	|	|	|	4.76
96.417	0.00	0.98	2.124	O	|	|	|	|	5.53	101.500	0.00	0.90	1.727	O	|	|	|	|	4.74
96.500	0.00	0.98	2.117	O	|	|	|	|	5.52	101.583	0.00	0.90	1.721	O	|	|	|	|	4.73
96.583	0.00	0.98	2.110	O	|	|	|	|	5.51	101.667	0.00	0.90	1.715	O	|	|	|	|	4.72
96.667	0.00	0.97	2.103	O	|	|	|	|	5.50	101.750	0.00	0.90	1.709	O	|	|	|	|	4.70
96.750	0.00	0.97	2.097	O	|	|	|	|	5.48	101.833	0.00	0.90	1.703	O	|	|	|	|	4.69
96.833	0.00	0.97	2.090	O	|	|	|	|	5.47	101.917	0.00	0.90	1.696	O	|	|	|	|	4.67
96.917	0.00	0.97	2.083	O	|	|	|	|	5.46	102.000	0.00	0.89	1.690	O	|	|	|	|	4.66
97.000	0.00	0.97	2.077	O	|	|	|	|	5.45	102.083	0.00	0.89	1.684	O	|	|	|	|	4.64
97.083	0.00	0.97	2.070	O	|	|	|	|	5.43	102.167	0.00	0.89	1.678	O	|	|	|	|	4.63
97.167	0.00	0.97	2.063	O	|	|	|	|	5.42	102.250	0.00	0.89	1.672	O	|	|	|	|	4.62
97.250	0.00	0.97	2.057	O	|	|	|	|	5.41	102.333	0.00	0.89	1.666	O	|	|	|	|	4.60
97.333	0.00	0.97	2.050	O	|	|	|	|	5.40	102.417	0.00	0.89	1.660	O	|	|	|	|	4.59
97.417	0.00	0.96	2.043	O	|	|	|	|	5.38	102.500	0.00	0.89	1.654	O	|	|	|	|	4.57
97.500	0.00	0.96	2.037	O	|	|	|	|	5.37	102.583	0.00	0.88	1.647	O	|	|	|	|	4.56
97.583	0.00	0.96	2.030	O	|	|	|	|	5.36	102.667	0.00	0.88	1.641	O	|	|	|	|	4.55
97.667	0.00	0.96	2.023	O	|	|	|	|	5.35	102.750	0.00	0.88	1.635	O	|	|	|	|	4.53
97.750	0.00	0.96	2.017	O	|	|	|	|	5.33	102.833	0.00	0.88	1.629	O	|	|	|	|	4.52
97.833	0.00	0.96	2.010	O	|	|	|	|	5.32	102.917	0.00	0.88	1.623	O	|	|	|	|	4.50
97.917	0.00	0.96	2.004	O	|	|	|	|	5.31	103.000	0.00	0.88	1.617	O	|	|	|	|	4.49
98.000	0.00	0.96	1.997	O	|	|	|	|	5.30	103.083	0.00	0.88	1.611	O	|	|	|	|	4.48
98.083	0.00	0.96	1.990	O	|	|	|	|	5.28	103.167	0.00	0.87	1.605	O	|	|	|	|	4.46
98.167	0.00	0.95	1.984	O	|	|	|	|	5.27	103.250	0.00	0.87	1.599	O	|	|	|	|	4.45
98.250	0.00	0.95	1.977	O	|	|	|	|	5.26	103.333	0.00	0.87	1.593	O	|	|	|	|	4.44
98.333	0.00	0.95	1.971	O	|	|	|	|	5.25	103.417	0.00	0.87	1.587	O	|	|	|	|	4.42
98.417	0.00	0.95	1.964	O	|	|	|	|	5.23	103.500	0.00	0.87	1.581	O	|	|	|	|	4.41
98.500	0.00	0.95	1.958	O	|	|	|	|	5.22	103.583	0.00	0.87	1.575	O	|	|	|	|	4.39
98.583	0.00	0.95	1.951	O	|	|	|	|	5.21	103.667	0.00	0.87	1.569	O	|	|	|	|	4.38
98.667	0.00	0.95	1.945	O	|	|	|	|	5.20	103.750	0.00	0.86	1.563	O	|	|	|	|	4.37
98.750	0.00	0.95	1.938	O	|	|	|	|	5.19	103.833	0.00	0.86	1.557	O	|	|	|	|	4.35
98.833	0.00	0.95	1.932	O	|	|	|	|	5.17	103.917	0.00	0.86	1.551	O	|	|	|	|	4.34
98.917	0.00	0.94	1.925	O	|	|	|	|	5.16	104.000	0.00	0.86	1.545	O	|	|	|	|	4.33
99.000	0.00	0.94	1.919	O	|	|	|	|	5.15	104.083	0.00	0.86	1.539	O	|	|	|	|	4.31
99.083	0.00	0.94	1.912	O	|	|	|	|	5.14	104.167	0.00	0.86	1.534	O	|	|	|	|	4.30
99.167	0.00	0.94	1.906	O	|	|	|	|	5.12	104.250	0.00	0.86	1.528	O	|	|	|	|	4.29
99.250	0.00	0.94	1.899	O	|	|	|	|	5.11	104.333	0.00	0.85	1.522	O	|	|	|	|	4.27
99.333	0.00	0.94	1.893	O	|	|	|	|	5.10	104.417	0.00	0.85	1.516	O	|	|	|	|	4.26
99.417	0.00	0.94	1.886	O	|	|	|	|	5.09	104.500	0.00	0.85	1.510	O	|	|	|	|	4.25
99.500	0.00	0.94	1.880	O	|	|	|	|	5.08	104.583	0.00	0.85	1.504	O	|	|	|	|	4.23
99.583	0.00	0.94	1.873	O	|	|	|	|	5.06	104.667	0.00	0.85	1.498	O	|	|	|	|	4.22
99.667	0.00	0.93	1.867	O	|	|	|	|	5.05	104.750	0.00	0.85	1.493	O	|	|	|	|	4.21
99.750	0.00	0.93	1.860	O	|	|	|	|	5.04	104.833	0.00	0.85	1.487	O	|	|	|	|	4.19
99.833	0.00	0.93	1.854	O	|	|	|	|	5.03	104.917	0.00	0.84	1.481	O	|	|	|	|	4.18
99.917	0.00	0.93	1.847	O	|	|	|	|	5.02	105.000	0.00	0.84	1.475	O	|	|	|	|	4.17
100.000	0.00	0.93	1.841	O	|	|	|	|	5.00	105.083	0.00	0.84	1.469	O	|	|	|	|	4.15
100.083	0.00	0.93	1.835	O	|	|	|	|	4.99	105.167	0.00	0.84	1.464	O	|	|	|	|	4.14
100.167	0.00	0.93	1.828	O	|	|	|	|	4.98	105.250	0.00	0.84	1.458	O	|	|	|	|	4.13
100.250	0.00	0.93	1.822	O	|	|	|	|	4.96	105.333	0.00	0.84	1.452	O	|	|	|	|	4.11
100.333	0.00	0.92	1.816	O	|	|	|	|	4.95	105.417	0.00	0.84	1.446	O	|	|	|	|	4.10
100.417	0.00	0.92	1.809	O	|	|	|	|	4.93	105.500	0.00	0.83	1.440	O	|	|	|	|	4.09
100.500	0.00	0.92	1.803	O	|	|	|	|	4.92	105.583	0.00	0.83	1.435	O	|	|	|	|	4.07
100.583	0.00	0.92	1.796	O	|	|	|	|	4.90	105.667	0.00	0.83	1.429	O	|	|	|	|	4.06
100.667	0.00	0.92	1.790	O	|	|	|	|	4.89	105.750	0.00	0.83	1.423	O	|	|	|	|	4.05
100.750	0.00	0.92	1.784	O	|	|	|	|	4.87	105.833	0.00	0.83	1.418	O	|	|	|	|	4.03
100.833	0.00	0.92	1.778	O	|	|	|	|	4.86	105.917	0.00	0.83	1.412	O	|	|	|	|	4.02

106.000	0.00	0.83	1.406	O					4.01	111.083	0.00	0.75	1.076	O					3.25
106.083	0.00	0.82	1.400	O					3.99	111.167	0.00	0.75	1.071	O					3.24
106.167	0.00	0.82	1.395	O					3.98	111.250	0.00	0.74	1.066	O					3.23
106.250	0.00	0.82	1.389	O					3.97	111.333	0.00	0.74	1.061	O					3.22
106.333	0.00	0.82	1.383	O					3.96	111.417	0.00	0.74	1.056	O					3.20
106.417	0.00	0.82	1.378	O					3.94	111.500	0.00	0.74	1.051	O					3.19
106.500	0.00	0.82	1.372	O					3.93	111.583	0.00	0.74	1.046	O					3.18
106.583	0.00	0.82	1.367	O					3.92	111.667	0.00	0.74	1.040	O					3.17
106.667	0.00	0.81	1.361	O					3.90	111.750	0.00	0.74	1.035	O					3.16
106.750	0.00	0.81	1.355	O					3.89	111.833	0.00	0.74	1.030	O					3.15
106.833	0.00	0.81	1.350	O					3.88	111.917	0.00	0.73	1.025	O					3.13
106.917	0.00	0.81	1.344	O					3.87	112.000	0.00	0.73	1.020	O					3.12
107.000	0.00	0.81	1.339	O					3.85	112.083	0.00	0.73	1.015	O					3.11
107.083	0.00	0.81	1.333	O					3.84	112.167	0.00	0.73	1.010	O					3.10
107.167	0.00	0.81	1.327	O					3.83	112.250	0.00	0.73	1.005	O					3.09
107.250	0.00	0.81	1.322	O					3.81	112.333	0.00	0.73	1.000	O					3.08
107.333	0.00	0.80	1.316	O					3.80	112.417	0.00	0.73	0.995	O					3.06
107.417	0.00	0.80	1.311	O					3.79	112.500	0.00	0.73	0.990	O					3.05
107.500	0.00	0.80	1.305	O					3.78	112.583	0.00	0.72	0.985	O					3.04
107.583	0.00	0.80	1.300	O					3.76	112.667	0.00	0.72	0.980	O					3.03
107.667	0.00	0.80	1.294	O					3.75	112.750	0.00	0.72	0.975	O					3.02
107.750	0.00	0.80	1.289	O					3.74	112.833	0.00	0.72	0.970	O					3.01
107.833	0.00	0.80	1.283	O					3.73	112.917	0.00	0.72	0.965	O					2.99
107.917	0.00	0.79	1.278	O					3.71	113.000	0.00	0.72	0.960	O					2.98
108.000	0.00	0.79	1.272	O					3.70	113.083	0.00	0.71	0.955	O					2.97
108.083	0.00	0.79	1.267	O					3.69	113.167	0.00	0.71	0.950	O					2.95
108.167	0.00	0.79	1.261	O					3.68	113.250	0.00	0.71	0.945	O					2.94
108.250	0.00	0.79	1.256	O					3.66	113.333	0.00	0.71	0.941	O					2.92
108.333	0.00	0.79	1.251	O					3.65	113.417	0.00	0.71	0.936	O					2.91
108.417	0.00	0.79	1.245	O					3.64	113.500	0.00	0.70	0.931	O					2.90
108.500	0.00	0.79	1.240	O					3.63	113.583	0.00	0.70	0.926	O					2.88
108.583	0.00	0.78	1.234	O					3.61	113.667	0.00	0.70	0.921	O					2.87
108.667	0.00	0.78	1.229	O					3.60	113.750	0.00	0.70	0.916	O					2.85
108.750	0.00	0.78	1.224	O					3.59	113.833	0.00	0.69	0.912	O					2.84
108.833	0.00	0.78	1.218	O					3.58	113.917	0.00	0.69	0.907	O					2.83
108.917	0.00	0.78	1.213	O					3.56	114.000	0.00	0.69	0.902	O					2.81
109.000	0.00	0.78	1.207	O					3.55	114.083	0.00	0.69	0.897	O					2.80
109.083	0.00	0.78	1.202	O					3.54	114.167	0.00	0.69	0.893	O					2.78
109.167	0.00	0.78	1.197	O					3.53	114.250	0.00	0.68	0.888	O					2.77
109.250	0.00	0.77	1.191	O					3.51	114.333	0.00	0.68	0.883	O					2.76
109.333	0.00	0.77	1.186	O					3.50	114.417	0.00	0.68	0.879	O					2.74
109.417	0.00	0.77	1.181	O					3.49	114.500	0.00	0.68	0.874	O					2.73
109.500	0.00	0.77	1.175	O					3.48	114.583	0.00	0.67	0.869	O					2.72
109.583	0.00	0.77	1.170	O					3.47	114.667	0.00	0.67	0.865	O					2.70
109.667	0.00	0.77	1.165	O					3.45	114.750	0.00	0.67	0.860	O					2.69
109.750	0.00	0.77	1.160	O					3.44	114.833	0.00	0.67	0.855	O					2.68
109.833	0.00	0.77	1.154	O					3.43	114.917	0.00	0.67	0.851	O					2.66
109.917	0.00	0.76	1.149	O					3.42	115.000	0.00	0.66	0.846	O					2.65
110.000	0.00	0.76	1.144	O					3.41	115.083	0.00	0.66	0.842	O					2.64
110.083	0.00	0.76	1.139	O					3.39	115.167	0.00	0.66	0.837	O					2.62
110.167	0.00	0.76	1.133	O					3.38	115.250	0.00	0.66	0.833	O					2.61
110.250	0.00	0.76	1.128	O					3.37	115.333	0.00	0.66	0.828	O					2.60
110.333	0.00	0.76	1.123	O					3.36	115.417	0.00	0.65	0.824	O					2.58
110.417	0.00	0.76	1.118	O					3.35	115.500	0.00	0.65	0.819	O					2.57
110.500	0.00	0.76	1.112	O					3.33	115.583	0.00	0.65	0.815	O					2.56
110.583	0.00	0.75	1.107	O					3.32	115.667	0.00	0.65	0.810	O					2.54
110.667	0.00	0.75	1.102	O					3.31	115.750	0.00	0.64	0.806	O					2.53
110.750	0.00	0.75	1.097	O					3.30	115.833	0.00	0.64	0.801	O					2.52
110.833	0.00	0.75	1.092	O					3.29	115.917	0.00	0.64	0.797	O					2.51
110.917	0.00	0.75	1.087	O					3.27	116.000	0.00	0.64	0.792	O					2.49
111.000	0.00	0.75	1.081	O					3.26	116.083	0.00	0.64	0.788	O					2.48

116.167	0.00	0.63	0.784	O					2.47	121.250	0.00	0.52	0.541	O					1.76
116.250	0.00	0.63	0.779	O					2.45	121.333	0.00	0.52	0.538	O					1.75
116.333	0.00	0.63	0.775	O					2.44	121.417	0.00	0.52	0.534	O					1.74
116.417	0.00	0.63	0.771	O					2.43	121.500	0.00	0.52	0.531	O					1.73
116.500	0.00	0.63	0.766	O					2.42	121.583	0.00	0.52	0.527	O					1.72
116.583	0.00	0.62	0.762	O					2.40	121.667	0.00	0.51	0.524	O					1.71
116.667	0.00	0.62	0.758	O					2.39	121.750	0.00	0.51	0.520	O					1.70
116.750	0.00	0.62	0.753	O					2.38	121.833	0.00	0.51	0.517	O					1.69
116.833	0.00	0.62	0.749	O					2.37	121.917	0.00	0.51	0.513	O					1.68
116.917	0.00	0.62	0.745	O					2.35	122.000	0.00	0.51	0.509	O					1.67
117.000	0.00	0.61	0.741	O					2.34	122.083	0.00	0.51	0.506	O					1.66
117.083	0.00	0.61	0.736	O					2.33	122.167	0.00	0.50	0.503	O					1.65
117.167	0.00	0.61	0.732	O					2.32	122.250	0.00	0.50	0.499	O					1.64
117.250	0.00	0.61	0.728	O					2.31	122.333	0.00	0.50	0.496	O					1.63
117.333	0.00	0.61	0.724	O					2.29	122.417	0.00	0.50	0.492	O					1.62
117.417	0.00	0.60	0.720	O					2.28	122.500	0.00	0.50	0.489	O					1.61
117.500	0.00	0.60	0.715	O					2.27	122.583	0.00	0.50	0.485	O					1.60
117.583	0.00	0.60	0.711	O					2.26	122.667	0.00	0.49	0.482	O					1.59
117.667	0.00	0.60	0.707	O					2.24	122.750	0.00	0.49	0.479	O					1.58
117.750	0.00	0.60	0.703	O					2.23	122.833	0.00	0.49	0.475	O					1.57
117.833	0.00	0.60	0.699	O					2.22	122.917	0.00	0.49	0.472	O					1.56
117.917	0.00	0.59	0.695	O					2.21	123.000	0.00	0.49	0.468	O					1.55
118.000	0.00	0.59	0.691	O					2.20	123.083	0.00	0.49	0.465	O					1.54
118.083	0.00	0.59	0.687	O					2.19	123.167	0.00	0.48	0.462	O					1.53
118.167	0.00	0.59	0.683	O					2.17	123.250	0.00	0.48	0.458	O					1.52
118.250	0.00	0.59	0.679	O					2.16	123.333	0.00	0.48	0.455	O					1.51
118.333	0.00	0.58	0.675	O					2.15	123.417	0.00	0.48	0.452	O					1.50
118.417	0.00	0.58	0.671	O					2.14	123.500	0.00	0.48	0.448	O					1.49
118.500	0.00	0.58	0.667	O					2.13	123.583	0.00	0.48	0.445	O					1.48
118.583	0.00	0.58	0.663	O					2.11	123.667	0.00	0.48	0.442	O					1.47
118.667	0.00	0.58	0.659	O					2.10	123.750	0.00	0.47	0.439	O					1.46
118.750	0.00	0.57	0.655	O					2.09	123.833	0.00	0.47	0.435	O					1.45
118.833	0.00	0.57	0.651	O					2.08	123.917	0.00	0.47	0.432	O					1.44
118.917	0.00	0.57	0.647	O					2.07	124.000	0.00	0.47	0.429	O					1.44
119.000	0.00	0.57	0.643	O					2.06	124.083	0.00	0.47	0.426	O					1.43
119.083	0.00	0.57	0.639	O					2.05	124.167	0.00	0.47	0.422	O					1.42
119.167	0.00	0.57	0.635	O					2.03	124.250	0.00	0.47	0.419	O					1.41
119.250	0.00	0.56	0.631	O					2.02	124.333	0.00	0.46	0.416	O					1.40
119.333	0.00	0.56	0.627	O					2.01	124.417	0.00	0.46	0.413	O					1.39
119.417	0.00	0.56	0.623	O					2.00	124.500	0.00	0.46	0.410	O					1.38
119.500	0.00	0.56	0.619	O					1.99	124.583	0.00	0.46	0.406	O					1.37
119.583	0.00	0.56	0.616	O					1.98	124.667	0.00	0.46	0.403	O					1.36
119.667	0.00	0.55	0.612	O					1.97	124.750	0.00	0.46	0.400	O					1.35
119.750	0.00	0.55	0.608	O					1.96	124.833	0.00	0.45	0.397	O					1.34
119.833	0.00	0.55	0.604	O					1.95	124.917	0.00	0.45	0.394	O					1.33
119.917	0.00	0.55	0.600	O					1.93	125.000	0.00	0.45	0.391	O					1.32
120.000	0.00	0.55	0.597	O					1.92	125.083	0.00	0.45	0.388	O					1.32
120.083	0.00	0.55	0.593	O					1.91	125.167	0.00	0.45	0.385	O					1.31
120.167	0.00	0.54	0.589	O					1.90	125.250	0.00	0.45	0.381	O					1.30
120.250	0.00	0.54	0.585	O					1.89	125.333	0.00	0.45	0.378	O					1.29
120.333	0.00	0.54	0.582	O					1.88	125.417	0.00	0.44	0.375	O					1.28
120.417	0.00	0.54	0.578	O					1.87	125.500	0.00	0.44	0.372	O					1.27
120.500	0.00	0.54	0.574	O					1.86	125.583	0.00	0.44	0.369	O					1.26
120.583	0.00	0.54	0.571	O					1.85	125.667	0.00	0.44	0.366	O					1.25
120.667	0.00	0.53	0.567	O					1.84	125.750	0.00	0.44	0.363	O					1.24
120.750	0.00	0.53	0.563	O					1.83	125.833	0.00	0.44	0.360	O					1.24
120.833	0.00	0.53	0.560	O					1.82	125.917	0.00	0.44	0.357	O					1.23
120.917	0.00	0.53	0.556	O					1.80	126.000	0.00	0.43	0.354	O					1.22
121.000	0.00	0.53	0.552	O					1.79	126.083	0.00	0.43	0.351	O					1.21
121.083	0.00	0.53	0.549	O					1.78	126.167	0.00	0.43	0.348	O					1.20
121.167	0.00	0.52	0.545	O					1.77	126.250	0.00	0.43	0.345	O					1.19

126.333	0.00	0.43	0.342	O	|	|	|	|	1.18	131.417	0.00	0.27	0.190	O	|	|	|	|	0.68
126.417	0.00	0.43	0.339	O	|	|	|	|	1.18	131.500	0.00	0.27	0.188	O	|	|	|	|	0.67
126.500	0.00	0.43	0.336	O	|	|	|	|	1.17	131.583	0.00	0.27	0.186	O	|	|	|	|	0.67
126.583	0.00	0.43	0.333	O	|	|	|	|	1.16	131.667	0.00	0.26	0.185	O	|	|	|	|	0.66
126.667	0.00	0.42	0.330	O	|	|	|	|	1.15	131.750	0.00	0.26	0.183	O	|	|	|	|	0.65
126.750	0.00	0.42	0.328	O	|	|	|	|	1.14	131.833	0.00	0.26	0.181	O	|	|	|	|	0.65
126.833	0.00	0.42	0.325	O	|	|	|	|	1.13	131.917	0.00	0.26	0.179	O	|	|	|	|	0.64
126.917	0.00	0.42	0.322	O	|	|	|	|	1.12	132.000	0.00	0.25	0.177	O	|	|	|	|	0.64
127.000	0.00	0.42	0.319	O	|	|	|	|	1.12	132.083	0.00	0.25	0.176	O	|	|	|	|	0.63
127.083	0.00	0.42	0.316	O	|	|	|	|	1.11	132.167	0.00	0.25	0.174	O	|	|	|	|	0.62
127.167	0.00	0.42	0.313	O	|	|	|	|	1.10	132.250	0.00	0.25	0.172	O	|	|	|	|	0.62
127.250	0.00	0.41	0.310	O	|	|	|	|	1.09	132.333	0.00	0.24	0.171	O	|	|	|	|	0.61
127.333	0.00	0.41	0.307	O	|	|	|	|	1.08	132.417	0.00	0.24	0.169	O	|	|	|	|	0.61
127.417	0.00	0.41	0.305	O	|	|	|	|	1.07	132.500	0.00	0.24	0.167	O	|	|	|	|	0.60
127.500	0.00	0.41	0.302	O	|	|	|	|	1.07	132.583	0.00	0.24	0.166	O	|	|	|	|	0.59
127.583	0.00	0.41	0.299	O	|	|	|	|	1.06	132.667	0.00	0.23	0.164	O	|	|	|	|	0.59
127.667	0.00	0.41	0.296	O	|	|	|	|	1.05	132.750	0.00	0.23	0.162	O	|	|	|	|	0.58
127.750	0.00	0.41	0.293	O	|	|	|	|	1.04	132.833	0.00	0.23	0.161	O	|	|	|	|	0.58
127.833	0.00	0.41	0.290	O	|	|	|	|	1.03	132.917	0.00	0.23	0.159	O	|	|	|	|	0.57
127.917	0.00	0.40	0.288	O	|	|	|	|	1.03	133.000	0.00	0.23	0.158	O	|	|	|	|	0.56
128.000	0.00	0.40	0.285	O	|	|	|	|	1.02	133.083	0.00	0.22	0.156	O	|	|	|	|	0.56
128.083	0.00	0.40	0.282	O	|	|	|	|	1.01	133.167	0.00	0.22	0.154	O	|	|	|	|	0.55
128.167	0.00	0.40	0.279	O	|	|	|	|	1.00	133.250	0.00	0.22	0.153	O	|	|	|	|	0.55
128.250	0.00	0.40	0.277	O	|	|	|	|	0.99	133.333	0.00	0.22	0.151	O	|	|	|	|	0.54
128.333	0.00	0.39	0.274	O	|	|	|	|	0.98	133.417	0.00	0.22	0.150	O	|	|	|	|	0.54
128.417	0.00	0.39	0.271	O	|	|	|	|	0.97	133.500	0.00	0.21	0.148	O	|	|	|	|	0.53
128.500	0.00	0.38	0.269	O	|	|	|	|	0.96	133.583	0.00	0.21	0.147	O	|	|	|	|	0.53
128.583	0.00	0.38	0.266	O	|	|	|	|	0.95	133.667	0.00	0.21	0.146	O	|	|	|	|	0.52
128.667	0.00	0.38	0.263	O	|	|	|	|	0.94	133.750	0.00	0.21	0.144	O	|	|	|	|	0.52
128.750	0.00	0.37	0.261	O	|	|	|	|	0.93	133.833	0.00	0.20	0.143	O	|	|	|	|	0.51
128.833	0.00	0.37	0.258	O	|	|	|	|	0.93	133.917	0.00	0.20	0.141	O	|	|	|	|	0.51
128.917	0.00	0.37	0.256	O	|	|	|	|	0.92	134.000	0.00	0.20	0.140	O	|	|	|	|	0.50
129.000	0.00	0.36	0.253	O	|	|	|	|	0.91	134.083	0.00	0.20	0.139	O	|	|	|	|	0.50
129.083	0.00	0.36	0.251	O	|	|	|	|	0.90	134.167	0.00	0.20	0.137	O	|	|	|	|	0.49
129.167	0.00	0.36	0.248	O	|	|	|	|	0.89	134.250	0.00	0.19	0.136	O	|	|	|	|	0.49
129.250	0.00	0.35	0.246	O	|	|	|	|	0.88	134.333	0.00	0.19	0.135	O	|	|	|	|	0.48
129.333	0.00	0.35	0.243	O	|	|	|	|	0.87	134.417	0.00	0.19	0.133	O	|	|	|	|	0.48
129.417	0.00	0.35	0.241	O	|	|	|	|	0.86	134.500	0.00	0.19	0.132	O	|	|	|	|	0.47
129.500	0.00	0.34	0.239	O	|	|	|	|	0.85	134.583	0.00	0.19	0.131	O	|	|	|	|	0.47
129.583	0.00	0.34	0.236	O	|	|	|	|	0.85	134.667	0.00	0.19	0.129	O	|	|	|	|	0.46
129.667	0.00	0.34	0.234	O	|	|	|	|	0.84	134.750	0.00	0.18	0.128	O	|	|	|	|	0.46
129.750	0.00	0.33	0.232	O	|	|	|	|	0.83	134.833	0.00	0.18	0.127	O	|	|	|	|	0.45
129.833	0.00	0.33	0.229	O	|	|	|	|	0.82	134.917	0.00	0.18	0.126	O	|	|	|	|	0.45
129.917	0.00	0.33	0.227	O	|	|	|	|	0.81	135.000	0.00	0.18	0.124	O	|	|	|	|	0.45
130.000	0.00	0.32	0.225	O	|	|	|	|	0.81	135.083	0.00	0.18	0.123	O	|	|	|	|	0.44
130.083	0.00	0.32	0.223	O	|	|	|	|	0.80	135.167	0.00	0.17	0.122	O	|	|	|	|	0.44
130.167	0.00	0.32	0.220	O	|	|	|	|	0.79	135.250	0.00	0.17	0.121	O	|	|	|	|	0.43
130.250	0.00	0.31	0.218	O	|	|	|	|	0.78	135.333	0.00	0.17	0.120	O	|	|	|	|	0.43
130.333	0.00	0.31	0.216	O	|	|	|	|	0.77	135.417	0.00	0.17	0.118	O	|	|	|	|	0.42
130.417	0.00	0.31	0.214	O	|	|	|	|	0.77	135.500	0.00	0.17	0.117	O	|	|	|	|	0.42
130.500	0.00	0.30	0.212	O	|	|	|	|	0.76	135.583	0.00	0.17	0.116	O	|	|	|	|	0.42
130.583	0.00	0.30	0.210	O	|	|	|	|	0.75	135.667	0.00	0.16	0.115	O	|	|	|	|	0.41
130.667	0.00	0.30	0.208	O	|	|	|	|	0.74	135.750	0.00	0.16	0.114	O	|	|	|	|	0.41
130.750	0.00	0.29	0.206	O	|	|	|	|	0.74	135.833	0.00	0.16	0.113	O	|	|	|	|	0.40
130.833	0.00	0.29	0.204	O	|	|	|	|	0.73	135.917	0.00	0.16	0.112	O	|	|	|	|	0.40
130.917	0.00	0.29	0.202	O	|	|	|	|	0.72	136.000	0.00	0.16	0.110	O	|	|	|	|	0.40
131.000	0.00	0.29	0.200	O	|	|	|	|	0.72	136.083	0.00	0.16	0.109	O	|	|	|	|	0.39
131.083	0.00	0.28	0.198	O	|	|	|	|	0.71	136.167	0.00	0.16	0.108	O	|	|	|	|	0.39
131.167	0.00	0.28	0.196	O	|	|	|	|	0.70	136.250	0.00	0.15	0.107	O	|	|	|	|	0.38
131.250	0.00	0.28	0.194	O	|	|	|	|	0.69	136.333	0.00	0.15	0.106	O	|	|	|	|	0.38
131.333	0.00	0.28	0.192	O	|	|	|	|	0.69	136.417	0.00	0.15	0.105	O	|	|	|	|	0.38

136.500	0.00	0.15	0.104	O	|	|	|	|	0.37	141.583	0.00	0.08	0.057	O	|	|	|	|	0.20
136.583	0.00	0.15	0.103	O	|	|	|	|	0.37	141.667	0.00	0.08	0.056	O	|	|	|	|	0.20
136.667	0.00	0.15	0.102	O	|	|	|	|	0.37	141.750	0.00	0.08	0.056	O	|	|	|	|	0.20
136.750	0.00	0.14	0.101	O	|	|	|	|	0.36	141.833	0.00	0.08	0.055	O	|	|	|	|	0.20
136.833	0.00	0.14	0.100	O	|	|	|	|	0.36	141.917	0.00	0.08	0.055	O	|	|	|	|	0.20
136.917	0.00	0.14	0.099	O	|	|	|	|	0.36	142.000	0.00	0.08	0.054	O	|	|	|	|	0.19
137.000	0.00	0.14	0.098	O	|	|	|	|	0.35	142.083	0.00	0.08	0.054	O	|	|	|	|	0.19
137.083	0.00	0.14	0.097	O	|	|	|	|	0.35	142.167	0.00	0.08	0.053	O	|	|	|	|	0.19
137.167	0.00	0.14	0.096	O	|	|	|	|	0.34	142.250	0.00	0.08	0.053	O	|	|	|	|	0.19
137.250	0.00	0.14	0.095	O	|	|	|	|	0.34	142.333	0.00	0.07	0.052	O	|	|	|	|	0.19
137.333	0.00	0.14	0.094	O	|	|	|	|	0.34	142.417	0.00	0.07	0.052	O	|	|	|	|	0.19
137.417	0.00	0.13	0.093	O	|	|	|	|	0.33	142.500	0.00	0.07	0.051	O	|	|	|	|	0.18
137.500	0.00	0.13	0.092	O	|	|	|	|	0.33	142.583	0.00	0.07	0.051	O	|	|	|	|	0.18
137.583	0.00	0.13	0.092	O	|	|	|	|	0.33	142.667	0.00	0.07	0.050	O	|	|	|	|	0.18
137.667	0.00	0.13	0.091	O	|	|	|	|	0.32	142.750	0.00	0.07	0.050	O	|	|	|	|	0.18
137.750	0.00	0.13	0.090	O	|	|	|	|	0.32	142.833	0.00	0.07	0.049	O	|	|	|	|	0.18
137.833	0.00	0.13	0.089	O	|	|	|	|	0.32	142.917	0.00	0.07	0.049	O	|	|	|	|	0.17
137.917	0.00	0.13	0.088	O	|	|	|	|	0.32	143.000	0.00	0.07	0.048	O	|	|	|	|	0.17
138.000	0.00	0.12	0.087	O	|	|	|	|	0.31	143.083	0.00	0.07	0.048	O	|	|	|	|	0.17
138.083	0.00	0.12	0.086	O	|	|	|	|	0.31	143.167	0.00	0.07	0.047	O	|	|	|	|	0.17
138.167	0.00	0.12	0.085	O	|	|	|	|	0.31	143.250	0.00	0.07	0.047	O	|	|	|	|	0.17
138.250	0.00	0.12	0.085	O	|	|	|	|	0.30	143.333	0.00	0.07	0.046	O	|	|	|	|	0.17
138.333	0.00	0.12	0.084	O	|	|	|	|	0.30	143.417	0.00	0.07	0.046	O	|	|	|	|	0.16
138.417	0.00	0.12	0.083	O	|	|	|	|	0.30	143.500	0.00	0.07	0.045	O	|	|	|	|	0.16
138.500	0.00	0.12	0.082	O	|	|	|	|	0.29	143.583	0.00	0.06	0.045	O	|	|	|	|	0.16
138.583	0.00	0.12	0.081	O	|	|	|	|	0.29	143.667	0.00	0.06	0.045	O	|	|	|	|	0.16
138.667	0.00	0.12	0.081	O	|	|	|	|	0.29	143.750	0.00	0.06	0.044	O	|	|	|	|	0.16
138.750	0.00	0.11	0.080	O	|	|	|	|	0.29	143.833	0.00	0.06	0.044	O	|	|	|	|	0.16
138.833	0.00	0.11	0.079	O	|	|	|	|	0.28	143.917	0.00	0.06	0.043	O	|	|	|	|	0.15
138.917	0.00	0.11	0.078	O	|	|	|	|	0.28	144.000	0.00	0.06	0.043	O	|	|	|	|	0.15
139.000	0.00	0.11	0.077	O	|	|	|	|	0.28	144.083	0.00	0.06	0.042	O	|	|	|	|	0.15
139.083	0.00	0.11	0.077	O	|	|	|	|	0.27	144.167	0.00	0.06	0.042	O	|	|	|	|	0.15
139.167	0.00	0.11	0.076	O	|	|	|	|	0.27	144.250	0.00	0.06	0.042	O	|	|	|	|	0.15
139.250	0.00	0.11	0.075	O	|	|	|	|	0.27	144.333	0.00	0.06	0.041	O	|	|	|	|	0.15
139.333	0.00	0.11	0.074	O	|	|	|	|	0.27	144.417	0.00	0.06	0.041	O	|	|	|	|	0.15
139.417	0.00	0.11	0.074	O	|	|	|	|	0.26	144.500	0.00	0.06	0.040	O	|	|	|	|	0.14
139.500	0.00	0.10	0.073	O	|	|	|	|	0.26	144.583	0.00	0.06	0.040	O	|	|	|	|	0.14
139.583	0.00	0.10	0.072	O	|	|	|	|	0.26	144.667	0.00	0.06	0.040	O	|	|	|	|	0.14
139.667	0.00	0.10	0.072	O	|	|	|	|	0.26	144.750	0.00	0.06	0.039	O	|	|	|	|	0.14
139.750	0.00	0.10	0.071	O	|	|	|	|	0.25	144.833	0.00	0.06	0.039	O	|	|	|	|	0.14
139.833	0.00	0.10	0.070	O	|	|	|	|	0.25	144.917	0.00	0.06	0.038	O	|	|	|	|	0.14
139.917	0.00	0.10	0.069	O	|	|	|	|	0.25	145.000	0.00	0.05	0.038	O	|	|	|	|	0.14
140.000	0.00	0.10	0.069	O	|	|	|	|	0.25	145.083	0.00	0.05	0.038	O	|	|	|	|	0.13
140.083	0.00	0.10	0.068	O	|	|	|	|	0.24	145.167	0.00	0.05	0.037	O	|	|	|	|	0.13
140.167	0.00	0.10	0.067	O	|	|	|	|	0.24	145.250	0.00	0.05	0.037	O	|	|	|	|	0.13
140.250	0.00	0.10	0.067	O	|	|	|	|	0.24	145.333	0.00	0.05	0.037	O	|	|	|	|	0.13
140.333	0.00	0.09	0.066	O	|	|	|	|	0.24	145.417	0.00	0.05	0.036	O	|	|	|	|	0.13
140.417	0.00	0.09	0.065	O	|	|	|	|	0.23	145.500	0.00	0.05	0.036	O	|	|	|	|	0.13
140.500	0.00	0.09	0.065	O	|	|	|	|	0.23	145.583	0.00	0.05	0.035	O	|	|	|	|	0.13
140.583	0.00	0.09	0.064	O	|	|	|	|	0.23	145.667	0.00	0.05	0.035	O	|	|	|	|	0.13
140.667	0.00	0.09	0.064	O	|	|	|	|	0.23	145.750	0.00	0.05	0.035	O	|	|	|	|	0.12
140.750	0.00	0.09	0.063	O	|	|	|	|	0.23	145.833	0.00	0.05	0.034	O	|	|	|	|	0.12
140.833	0.00	0.09	0.062	O	|	|	|	|	0.22	145.917	0.00	0.05	0.034	O	|	|	|	|	0.12
140.917	0.00	0.09	0.062	O	|	|	|	|	0.22	146.000	0.00	0.05	0.034	O	|	|	|	|	0.12
141.000	0.00	0.09	0.061	O	|	|	|	|	0.22	146.083	0.00	0.05	0.033	O	|	|	|	|	0.12
141.083	0.00	0.09	0.060	O	|	|	|	|	0.22	146.167	0.00	0.05	0.033	O	|	|	|	|	0.12
141.167	0.00	0.09	0.060	O	|	|	|	|	0.21	146.250	0.00	0.05	0.033	O	|	|	|	|	0.12
141.250	0.00	0.08	0.059	O	|	|	|	|	0.21	146.333	0.00	0.05	0.032	O	|	|	|	|	0.12
141.333	0.00	0.08	0.059	O	|	|	|	|	0.21	146.417	0.00	0.05	0.032	O	|	|	|	|	0.12
141.417	0.00	0.08	0.058	O	|	|	|	|	0.21	146.500	0.00	0.05	0.032	O	|	|	|	|	0.11
141.500	0.00	0.08	0.058	O	|	|	|	|	0.21	146.583	0.00	0.05	0.032	O	|	|	|	|	0.11

146.667	0.00	0.04	0.031	O	|	|	|	|	0.11	151.750	0.00	0.02	0.017	O	|	|	|	|	0.06
146.750	0.00	0.04	0.031	O	|	|	|	|	0.11	151.833	0.00	0.02	0.017	O	|	|	|	|	0.06
146.833	0.00	0.04	0.031	O	|	|	|	|	0.11	151.917	0.00	0.02	0.017	O	|	|	|	|	0.06
146.917	0.00	0.04	0.030	O	|	|	|	|	0.11	152.000	0.00	0.02	0.017	O	|	|	|	|	0.06
147.000	0.00	0.04	0.030	O	|	|	|	|	0.11	152.083	0.00	0.02	0.016	O	|	|	|	|	0.06
147.083	0.00	0.04	0.030	O	|	|	|	|	0.11	152.167	0.00	0.02	0.016	O	|	|	|	|	0.06
147.167	0.00	0.04	0.029	O	|	|	|	|	0.11	152.250	0.00	0.02	0.016	O	|	|	|	|	0.06
147.250	0.00	0.04	0.029	O	|	|	|	|	0.10	152.333	0.00	0.02	0.016	O	|	|	|	|	0.06
147.333	0.00	0.04	0.029	O	|	|	|	|	0.10	152.417	0.00	0.02	0.016	O	|	|	|	|	0.06
147.417	0.00	0.04	0.029	O	|	|	|	|	0.10	152.500	0.00	0.02	0.016	O	|	|	|	|	0.06
147.500	0.00	0.04	0.028	O	|	|	|	|	0.10	152.583	0.00	0.02	0.015	O	|	|	|	|	0.06
147.583	0.00	0.04	0.028	O	|	|	|	|	0.10	152.667	0.00	0.02	0.015	O	|	|	|	|	0.05
147.667	0.00	0.04	0.028	O	|	|	|	|	0.10	152.750	0.00	0.02	0.015	O	|	|	|	|	0.05
147.750	0.00	0.04	0.027	O	|	|	|	|	0.10	152.833	0.00	0.02	0.015	O	|	|	|	|	0.05
147.833	0.00	0.04	0.027	O	|	|	|	|	0.10	152.917	0.00	0.02	0.015	O	|	|	|	|	0.05
147.917	0.00	0.04	0.027	O	|	|	|	|	0.10	153.000	0.00	0.02	0.015	O	|	|	|	|	0.05
148.000	0.00	0.04	0.027	O	|	|	|	|	0.10	153.083	0.00	0.02	0.015	O	|	|	|	|	0.05
148.083	0.00	0.04	0.026	O	|	|	|	|	0.09	153.167	0.00	0.02	0.014	O	|	|	|	|	0.05
148.167	0.00	0.04	0.026	O	|	|	|	|	0.09	153.250	0.00	0.02	0.014	O	|	|	|	|	0.05
148.250	0.00	0.04	0.026	O	|	|	|	|	0.09	153.333	0.00	0.02	0.014	O	|	|	|	|	0.05
148.333	0.00	0.04	0.026	O	|	|	|	|	0.09	153.417	0.00	0.02	0.014	O	|	|	|	|	0.05
148.417	0.00	0.04	0.025	O	|	|	|	|	0.09	153.500	0.00	0.02	0.014	O	|	|	|	|	0.05
148.500	0.00	0.04	0.025	O	|	|	|	|	0.09	153.583	0.00	0.02	0.014	O	|	|	|	|	0.05
148.583	0.00	0.04	0.025	O	|	|	|	|	0.09	153.667	0.00	0.02	0.014	O	|	|	|	|	0.05
148.667	0.00	0.04	0.025	O	|	|	|	|	0.09	153.750	0.00	0.02	0.013	O	|	|	|	|	0.05
148.750	0.00	0.03	0.024	O	|	|	|	|	0.09	153.833	0.00	0.02	0.013	O	|	|	|	|	0.05
148.833	0.00	0.03	0.024	O	|	|	|	|	0.09	153.917	0.00	0.02	0.013	O	|	|	|	|	0.05
148.917	0.00	0.03	0.024	O	|	|	|	|	0.09	154.000	0.00	0.02	0.013	O	|	|	|	|	0.05
149.000	0.00	0.03	0.024	O	|	|	|	|	0.08	154.083	0.00	0.02	0.013	O	|	|	|	|	0.05
149.083	0.00	0.03	0.023	O	|	|	|	|	0.08	154.167	0.00	0.02	0.013	O	|	|	|	|	0.05
149.167	0.00	0.03	0.023	O	|	|	|	|	0.08	154.250	0.00	0.02	0.013	O	|	|	|	|	0.05
149.250	0.00	0.03	0.023	O	|	|	|	|	0.08	154.333	0.00	0.02	0.013	O	|	|	|	|	0.05
149.333	0.00	0.03	0.023	O	|	|	|	|	0.08	154.417	0.00	0.02	0.012	O	|	|	|	|	0.04
149.417	0.00	0.03	0.023	O	|	|	|	|	0.08	154.500	0.00	0.02	0.012	O	|	|	|	|	0.04
149.500	0.00	0.03	0.022	O	|	|	|	|	0.08	154.583	0.00	0.02	0.012	O	|	|	|	|	0.04
149.583	0.00	0.03	0.022	O	|	|	|	|	0.08	154.667	0.00	0.02	0.012	O	|	|	|	|	0.04
149.667	0.00	0.03	0.022	O	|	|	|	|	0.08	154.750	0.00	0.02	0.012	O	|	|	|	|	0.04
149.750	0.00	0.03	0.022	O	|	|	|	|	0.08	154.833	0.00	0.02	0.012	O	|	|	|	|	0.04
149.833	0.00	0.03	0.021	O	|	|	|	|	0.08	154.917	0.00	0.02	0.012	O	|	|	|	|	0.04
149.917	0.00	0.03	0.021	O	|	|	|	|	0.08	155.000	0.00	0.02	0.012	O	|	|	|	|	0.04
150.000	0.00	0.03	0.021	O	|	|	|	|	0.08	155.083	0.00	0.02	0.012	O	|	|	|	|	0.04
150.083	0.00	0.03	0.021	O	|	|	|	|	0.07	155.167	0.00	0.02	0.011	O	|	|	|	|	0.04
150.167	0.00	0.03	0.021	O	|	|	|	|	0.07	155.250	0.00	0.02	0.011	O	|	|	|	|	0.04
150.250	0.00	0.03	0.020	O	|	|	|	|	0.07	155.333	0.00	0.02	0.011	O	|	|	|	|	0.04
150.333	0.00	0.03	0.020	O	|	|	|	|	0.07	155.417	0.00	0.02	0.011	O	|	|	|	|	0.04
150.417	0.00	0.03	0.020	O	|	|	|	|	0.07	155.500	0.00	0.02	0.011	O	|	|	|	|	0.04
150.500	0.00	0.03	0.020	O	|	|	|	|	0.07	155.583	0.00	0.02	0.011	O	|	|	|	|	0.04
150.583	0.00	0.03	0.020	O	|	|	|	|	0.07	155.667	0.00	0.02	0.011	O	|	|	|	|	0.04
150.667	0.00	0.03	0.019	O	|	|	|	|	0.07	155.750	0.00	0.02	0.011	O	|	|	|	|	0.04
150.750	0.00	0.03	0.019	O	|	|	|	|	0.07	155.833	0.00	0.02	0.011	O	|	|	|	|	0.04
150.833	0.00	0.03	0.019	O	|	|	|	|	0.07	155.917	0.00	0.01	0.010	O	|	|	|	|	0.04
150.917	0.00	0.03	0.019	O	|	|	|	|	0.07	156.000	0.00	0.01	0.010	O	|	|	|	|	0.04
151.000	0.00	0.03	0.019	O	|	|	|	|	0.07	156.083	0.00	0.01	0.010	O	|	|	|	|	0.04
151.083	0.00	0.03	0.018	O	|	|	|	|	0.07	156.167	0.00	0.01	0.010	O	|	|	|	|	0.04
151.167	0.00	0.03	0.018	O	|	|	|	|	0.07	156.250	0.00	0.01	0.010	O	|	|	|	|	0.04
151.250	0.00	0.03	0.018	O	|	|	|	|	0.06	156.333	0.00	0.01	0.010	O	|	|	|	|	0.04
151.333	0.00	0.03	0.018	O	|	|	|	|	0.06	156.417	0.00	0.01	0.010	O	|	|	|	|	0.04
151.417	0.00	0.03	0.018	O	|	|	|	|	0.06	156.500	0.00	0.01	0.010	O	|	|	|	|	0.03
151.500	0.00	0.03	0.018	O	|	|	|	|	0.06	156.583	0.00	0.01	0.010	O	|	|	|	|	0.03
151.583	0.00	0.02	0.017	O	|	|	|	|	0.06	156.667	0.00	0.01	0.010	O	|	|	|	|	0.03
151.667	0.00	0.02	0.017	O	|	|	|	|	0.06	156.750	0.00	0.01	0.009	O	|	|	|	|	0.03

156.833	0.00	0.01	0.009	O	|	|	|	|	0.03	161.917	0.00	0.01	0.005	O	|	|	|	|	0.02
156.917	0.00	0.01	0.009	O	|	|	|	|	0.03	162.000	0.00	0.01	0.005	O	|	|	|	|	0.02
157.000	0.00	0.01	0.009	O	|	|	|	|	0.03	162.083	0.00	0.01	0.005	O	|	|	|	|	0.02
157.083	0.00	0.01	0.009	O	|	|	|	|	0.03	162.167	0.00	0.01	0.005	O	|	|	|	|	0.02
157.167	0.00	0.01	0.009	O	|	|	|	|	0.03	162.250	0.00	0.01	0.005	O	|	|	|	|	0.02
157.250	0.00	0.01	0.009	O	|	|	|	|	0.03	162.333	0.00	0.01	0.005	O	|	|	|	|	0.02
157.333	0.00	0.01	0.009	O	|	|	|	|	0.03	162.417	0.00	0.01	0.005	O	|	|	|	|	0.02
157.417	0.00	0.01	0.009	O	|	|	|	|	0.03	162.500	0.00	0.01	0.005	O	|	|	|	|	0.02
157.500	0.00	0.01	0.009	O	|	|	|	|	0.03	162.583	0.00	0.01	0.005	O	|	|	|	|	0.02
157.583	0.00	0.01	0.009	O	|	|	|	|	0.03	162.667	0.00	0.01	0.005	O	|	|	|	|	0.02
157.667	0.00	0.01	0.008	O	|	|	|	|	0.03	162.750	0.00	0.01	0.005	O	|	|	|	|	0.02
157.750	0.00	0.01	0.008	O	|	|	|	|	0.03	162.833	0.00	0.01	0.005	O	|	|	|	|	0.02
157.833	0.00	0.01	0.008	O	|	|	|	|	0.03	162.917	0.00	0.01	0.005	O	|	|	|	|	0.02
157.917	0.00	0.01	0.008	O	|	|	|	|	0.03	163.000	0.00	0.01	0.005	O	|	|	|	|	0.02
158.000	0.00	0.01	0.008	O	|	|	|	|	0.03	163.083	0.00	0.01	0.004	O	|	|	|	|	0.02
158.083	0.00	0.01	0.008	O	|	|	|	|	0.03	163.167	0.00	0.01	0.004	O	|	|	|	|	0.02
158.167	0.00	0.01	0.008	O	|	|	|	|	0.03	163.250	0.00	0.01	0.004	O	|	|	|	|	0.02
158.250	0.00	0.01	0.008	O	|	|	|	|	0.03	163.333	0.00	0.01	0.004	O	|	|	|	|	0.02
158.333	0.00	0.01	0.008	O	|	|	|	|	0.03	163.417	0.00	0.01	0.004	O	|	|	|	|	0.02
158.417	0.00	0.01	0.008	O	|	|	|	|	0.03	163.500	0.00	0.01	0.004	O	|	|	|	|	0.02
158.500	0.00	0.01	0.008	O	|	|	|	|	0.03	163.583	0.00	0.01	0.004	O	|	|	|	|	0.02
158.583	0.00	0.01	0.008	O	|	|	|	|	0.03	163.667	0.00	0.01	0.004	O	|	|	|	|	0.01
158.667	0.00	0.01	0.008	O	|	|	|	|	0.03	163.750	0.00	0.01	0.004	O	|	|	|	|	0.01
158.750	0.00	0.01	0.007	O	|	|	|	|	0.03	163.833	0.00	0.01	0.004	O	|	|	|	|	0.01
158.833	0.00	0.01	0.007	O	|	|	|	|	0.03	163.917	0.00	0.01	0.004	O	|	|	|	|	0.01
158.917	0.00	0.01	0.007	O	|	|	|	|	0.03	164.000	0.00	0.01	0.004	O	|	|	|	|	0.01
159.000	0.00	0.01	0.007	O	|	|	|	|	0.03	164.083	0.00	0.01	0.004	O	|	|	|	|	0.01
159.083	0.00	0.01	0.007	O	|	|	|	|	0.03	164.167	0.00	0.01	0.004	O	|	|	|	|	0.01
159.167	0.00	0.01	0.007	O	|	|	|	|	0.03	164.250	0.00	0.01	0.004	O	|	|	|	|	0.01
159.250	0.00	0.01	0.007	O	|	|	|	|	0.03	164.333	0.00	0.01	0.004	O	|	|	|	|	0.01
159.333	0.00	0.01	0.007	O	|	|	|	|	0.02	164.417	0.00	0.01	0.004	O	|	|	|	|	0.01
159.417	0.00	0.01	0.007	O	|	|	|	|	0.02	164.500	0.00	0.01	0.004	O	|	|	|	|	0.01
159.500	0.00	0.01	0.007	O	|	|	|	|	0.02	164.583	0.00	0.01	0.004	O	|	|	|	|	0.01
159.583	0.00	0.01	0.007	O	|	|	|	|	0.02	164.667	0.00	0.01	0.004	O	|	|	|	|	0.01
159.667	0.00	0.01	0.007	O	|	|	|	|	0.02	164.750	0.00	0.01	0.004	O	|	|	|	|	0.01
159.750	0.00	0.01	0.007	O	|	|	|	|	0.02	164.833	0.00	0.01	0.004	O	|	|	|	|	0.01
159.833	0.00	0.01	0.007	O	|	|	|	|	0.02	164.917	0.00	0.01	0.004	O	|	|	|	|	0.01
159.917	0.00	0.01	0.006	O	|	|	|	|	0.02	165.000	0.00	0.01	0.004	O	|	|	|	|	0.01
160.000	0.00	0.01	0.006	O	|	|	|	|	0.02	165.083	0.00	0.01	0.004	O	|	|	|	|	0.01
160.083	0.00	0.01	0.006	O	|	|	|	|	0.02	165.167	0.00	0.00	0.003	O	|	|	|	|	0.01
160.167	0.00	0.01	0.006	O	|	|	|	|	0.02	165.250	0.00	0.00	0.003	O	|	|	|	|	0.01
160.250	0.00	0.01	0.006	O	|	|	|	|	0.02	165.333	0.00	0.00	0.003	O	|	|	|	|	0.01
160.333	0.00	0.01	0.006	O	|	|	|	|	0.02	165.417	0.00	0.00	0.003	O	|	|	|	|	0.01
160.417	0.00	0.01	0.006	O	|	|	|	|	0.02	165.500	0.00	0.00	0.003	O	|	|	|	|	0.01
160.500	0.00	0.01	0.006	O	|	|	|	|	0.02	165.583	0.00	0.00	0.003	O	|	|	|	|	0.01
160.583	0.00	0.01	0.006	O	|	|	|	|	0.02	165.667	0.00	0.00	0.003	O	|	|	|	|	0.01
160.667	0.00	0.01	0.006	O	|	|	|	|	0.02	165.750	0.00	0.00	0.003	O	|	|	|	|	0.01
160.750	0.00	0.01	0.006	O	|	|	|	|	0.02	165.833	0.00	0.00	0.003	O	|	|	|	|	0.01
160.833	0.00	0.01	0.006	O	|	|	|	|	0.02	165.917	0.00	0.00	0.003	O	|	|	|	|	0.01
160.917	0.00	0.01	0.006	O	|	|	|	|	0.02	166.000	0.00	0.00	0.003	O	|	|	|	|	0.01
161.000	0.00	0.01	0.006	O	|	|	|	|	0.02	166.083	0.00	0.00	0.003	O	|	|	|	|	0.01
161.083	0.00	0.01	0.006	O	|	|	|	|	0.02	166.167	0.00	0.00	0.003	O	|	|	|	|	0.01
161.167	0.00	0.01	0.006	O	|	|	|	|	0.02	166.250	0.00	0.00	0.003	O	|	|	|	|	0.01
161.250	0.00	0.01	0.006	O	|	|	|	|	0.02	166.333	0.00	0.00	0.003	O	|	|	|	|	0.01
161.333	0.00	0.01	0.005	O	|	|	|	|	0.02	166.417	0.00	0.00	0.003	O	|	|	|	|	0.01
161.417	0.00	0.01	0.005	O	|	|	|	|	0.02	166.500	0.00	0.00	0.003	O	|	|	|	|	0.01
161.500	0.00	0.01	0.005	O	|	|	|	|	0.02	166.583	0.00	0.00	0.003	O	|	|	|	|	0.01
161.583	0.00	0.01	0.005	O	|	|	|	|	0.02	166.667	0.00	0.00	0.003	O	|	|	|	|	0.01
161.667	0.00	0.01	0.005	O	|	|	|	|	0.02	166.750	0.00	0.00	0.003	O	|	|	|	|	0.01
161.750	0.00	0.01	0.005	O	|	|	|	|	0.02	166.833	0.00	0.00	0.003	O	|	|	|	|	0.01
161.833	0.00	0.01	0.005	O	|	|	|	|	0.02	166.917	0.00	0.00	0.003	O	|	|	|	|	0.01

167.000	0.00	0.00	0.003	O	|	|	|	|	0.01	172.083	0.00	0.00	0.002	O	|	|	|	|	0.01
167.083	0.00	0.00	0.003	O	|	|	|	|	0.01	172.167	0.00	0.00	0.002	O	|	|	|	|	0.01
167.167	0.00	0.00	0.003	O	|	|	|	|	0.01	172.250	0.00	0.00	0.002	O	|	|	|	|	0.01
167.250	0.00	0.00	0.003	O	|	|	|	|	0.01	172.333	0.00	0.00	0.001	O	|	|	|	|	0.01
167.333	0.00	0.00	0.003	O	|	|	|	|	0.01	172.417	0.00	0.00	0.001	O	|	|	|	|	0.01
167.417	0.00	0.00	0.003	O	|	|	|	|	0.01	172.500	0.00	0.00	0.001	O	|	|	|	|	0.01
167.500	0.00	0.00	0.003	O	|	|	|	|	0.01	172.583	0.00	0.00	0.001	O	|	|	|	|	0.01
167.583	0.00	0.00	0.003	O	|	|	|	|	0.01	172.667	0.00	0.00	0.001	O	|	|	|	|	0.01
167.667	0.00	0.00	0.003	O	|	|	|	|	0.01	172.750	0.00	0.00	0.001	O	|	|	|	|	0.01
167.750	0.00	0.00	0.003	O	|	|	|	|	0.01	172.833	0.00	0.00	0.001	O	|	|	|	|	0.01
167.833	0.00	0.00	0.003	O	|	|	|	|	0.01	172.917	0.00	0.00	0.001	O	|	|	|	|	0.00
167.917	0.00	0.00	0.003	O	|	|	|	|	0.01	173.000	0.00	0.00	0.001	O	|	|	|	|	0.00
168.000	0.00	0.00	0.002	O	|	|	|	|	0.01	173.083	0.00	0.00	0.001	O	|	|	|	|	0.00
168.083	0.00	0.00	0.002	O	|	|	|	|	0.01	173.167	0.00	0.00	0.001	O	|	|	|	|	0.00
168.167	0.00	0.00	0.002	O	|	|	|	|	0.01	173.250	0.00	0.00	0.001	O	|	|	|	|	0.00
168.250	0.00	0.00	0.002	O	|	|	|	|	0.01	173.333	0.00	0.00	0.001	O	|	|	|	|	0.00
168.333	0.00	0.00	0.002	O	|	|	|	|	0.01	173.417	0.00	0.00	0.001	O	|	|	|	|	0.00
168.417	0.00	0.00	0.002	O	|	|	|	|	0.01	173.500	0.00	0.00	0.001	O	|	|	|	|	0.00
168.500	0.00	0.00	0.002	O	|	|	|	|	0.01	173.583	0.00	0.00	0.001	O	|	|	|	|	0.00
168.583	0.00	0.00	0.002	O	|	|	|	|	0.01	173.667	0.00	0.00	0.001	O	|	|	|	|	0.00
168.667	0.00	0.00	0.002	O	|	|	|	|	0.01	173.750	0.00	0.00	0.001	O	|	|	|	|	0.00
168.750	0.00	0.00	0.002	O	|	|	|	|	0.01	173.833	0.00	0.00	0.001	O	|	|	|	|	0.00
168.833	0.00	0.00	0.002	O	|	|	|	|	0.01	173.917	0.00	0.00	0.001	O	|	|	|	|	0.00
168.917	0.00	0.00	0.002	O	|	|	|	|	0.01	174.000	0.00	0.00	0.001	O	|	|	|	|	0.00
169.000	0.00	0.00	0.002	O	|	|	|	|	0.01	174.083	0.00	0.00	0.001	O	|	|	|	|	0.00
169.083	0.00	0.00	0.002	O	|	|	|	|	0.01	174.167	0.00	0.00	0.001	O	|	|	|	|	0.00
169.167	0.00	0.00	0.002	O	|	|	|	|	0.01	174.250	0.00	0.00	0.001	O	|	|	|	|	0.00
169.250	0.00	0.00	0.002	O	|	|	|	|	0.01	174.333	0.00	0.00	0.001	O	|	|	|	|	0.00
169.333	0.00	0.00	0.002	O	|	|	|	|	0.01	174.417	0.00	0.00	0.001	O	|	|	|	|	0.00
169.417	0.00	0.00	0.002	O	|	|	|	|	0.01	174.500	0.00	0.00	0.001	O	|	|	|	|	0.00
169.500	0.00	0.00	0.002	O	|	|	|	|	0.01	174.583	0.00	0.00	0.001	O	|	|	|	|	0.00
169.583	0.00	0.00	0.002	O	|	|	|	|	0.01	174.667	0.00	0.00	0.001	O	|	|	|	|	0.00
169.667	0.00	0.00	0.002	O	|	|	|	|	0.01	174.750	0.00	0.00	0.001	O	|	|	|	|	0.00
169.750	0.00	0.00	0.002	O	|	|	|	|	0.01	174.833	0.00	0.00	0.001	O	|	|	|	|	0.00
169.833	0.00	0.00	0.002	O	|	|	|	|	0.01	174.917	0.00	0.00	0.001	O	|	|	|	|	0.00
169.917	0.00	0.00	0.002	O	|	|	|	|	0.01	175.000	0.00	0.00	0.001	O	|	|	|	|	0.00
170.000	0.00	0.00	0.002	O	|	|	|	|	0.01	175.083	0.00	0.00	0.001	O	|	|	|	|	0.00
170.083	0.00	0.00	0.002	O	|	|	|	|	0.01	175.167	0.00	0.00	0.001	O	|	|	|	|	0.00
170.167	0.00	0.00	0.002	O	|	|	|	|	0.01	175.250	0.00	0.00	0.001	O	|	|	|	|	0.00
170.250	0.00	0.00	0.002	O	|	|	|	|	0.01	175.333	0.00	0.00	0.001	O	|	|	|	|	0.00
170.333	0.00	0.00	0.002	O	|	|	|	|	0.01	175.417	0.00	0.00	0.001	O	|	|	|	|	0.00
170.417	0.00	0.00	0.002	O	|	|	|	|	0.01	175.500	0.00	0.00	0.001	O	|	|	|	|	0.00
170.500	0.00	0.00	0.002	O	|	|	|	|	0.01	175.583	0.00	0.00	0.001	O	|	|	|	|	0.00
170.583	0.00	0.00	0.002	O	|	|	|	|	0.01	175.667	0.00	0.00	0.001	O	|	|	|	|	0.00
170.667	0.00	0.00	0.002	O	|	|	|	|	0.01	175.750	0.00	0.00	0.001	O	|	|	|	|	0.00
170.750	0.00	0.00	0.002	O	|	|	|	|	0.01	175.833	0.00	0.00	0.001	O	|	|	|	|	0.00
170.833	0.00	0.00	0.002	O	|	|	|	|	0.01	175.917	0.00	0.00	0.001	O	|	|	|	|	0.00
170.917	0.00	0.00	0.002	O	|	|	|	|	0.01	176.000	0.00	0.00	0.001	O	|	|	|	|	0.00
171.000	0.00	0.00	0.002	O	|	|	|	|	0.01	176.083	0.00	0.00	0.001	O	|	|	|	|	0.00
171.083	0.00	0.00	0.002	O	|	|	|	|	0.01	176.167	0.00	0.00	0.001	O	|	|	|	|	0.00
171.167	0.00	0.00	0.002	O	|	|	|	|	0.01	176.250	0.00	0.00	0.001	O	|	|	|	|	0.00
171.250	0.00	0.00	0.002	O	|	|	|	|	0.01	176.333	0.00	0.00	0.001	O	|	|	|	|	0.00
171.333	0.00	0.00	0.002	O	|	|	|	|	0.01	176.417	0.00	0.00	0.001	O	|	|	|	|	0.00
171.417	0.00	0.00	0.002	O	|	|	|	|	0.01	176.500	0.00	0.00	0.001	O	|	|	|	|	0.00
171.500	0.00	0.00	0.002	O	|	|	|	|	0.01	176.583	0.00	0.00	0.001	O	|	|	|	|	0.00
171.583	0.00	0.00	0.002	O	|	|	|	|	0.01	176.667	0.00	0.00	0.001	O	|	|	|	|	0.00
171.667	0.00	0.00	0.002	O	|	|	|	|	0.01	176.750	0.00	0.00	0.001	O	|	|	|	|	0.00
171.750	0.00	0.00	0.002	O	|	|	|	|	0.01	176.833	0.00	0.00	0.001	O	|	|	|	|	0.00
171.833	0.00	0.00	0.002	O	|	|	|	|	0.01	176.917	0.00	0.00	0.001	O	|	|	|	|	0.00
171.917	0.00	0.00	0.002	O	|	|	|	|	0.01	177.000	0.00	0.00	0.001	O	|	|	|	|	0.00
172.000	0.00	0.00	0.002	O	|	|	|	|	0.01	177.083	0.00	0.00	0.001	O	|	|	|	|	0.00

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177.167    0.00    0.00      0.001  O       |       |       |       |     0.00
177.250    0.00    0.00      0.001  O       |       |       |       |     0.00
177.333    0.00    0.00      0.001  O       |       |       |       |     0.00
177.417    0.00    0.00      0.001  O       |       |       |       |     0.00
177.500    0.00    0.00      0.001  O       |       |       |       |     0.00
177.583    0.00    0.00      0.001  O       |       |       |       |     0.00
177.667    0.00    0.00      0.001  O       |       |       |       |     0.00
177.750    0.00    0.00      0.001  O       |       |       |       |     0.00
177.833    0.00    0.00      0.001  O       |       |       |       |     0.00
177.917    0.00    0.00      0.001  O       |       |       |       |     0.00
178.000    0.00    0.00      0.001  O       |       |       |       |     0.00
178.083    0.00    0.00      0.001  O       |       |       |       |     0.00
178.167    0.00    0.00      0.001  O       |       |       |       |     0.00
178.250    0.00    0.00      0.001  O       |       |       |       |     0.00
178.333    0.00    0.00      0.001  O       |       |       |       |     0.00
178.417    0.00    0.00      0.001  O       |       |       |       |     0.00
178.500    0.00    0.00      0.001  O       |       |       |       |     0.00
178.583    0.00    0.00      0.001  O       |       |       |       |     0.00
178.667    0.00    0.00      0.001  O       |       |       |       |     0.00
178.750    0.00    0.00      0.001  O       |       |       |       |     0.00

        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  2145
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       59.994 (CFS)
                        Total volume =      41.109 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000   215.206     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000   103.902     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        5.700 to Point/Station        5.700
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        From stored stream number 3 the total
        volume of     103.90 (Ac.Ft) is being added to the
        current hydrograph at its original rate from user
        with a delay time to start of addition of    0.00 hours.
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
  Time(h+m) Add q(CFS)  Tot. Q   0       66.7     133.5     200.2     267.0
  ---------------------------------------------------------------------------
    0+ 5       0.0463      0.05  Q         |         |         |         |
    0+10       0.2323      0.24  Q         |         |         |         |
    0+15       0.5773      0.60  Q         |         |         |         |
    0+20       1.0537      1.10  Q         |         |         |         |
    0+25       1.6991      1.77  Q         |         |         |         |
    0+30       2.6353      2.74  Q         |         |         |         |
    0+35       3.6715      3.81  Q         |         |         |         |
    0+40       4.4371      4.62  Q         |         |         |         |
    0+45       5.2150      5.43  Q         |         |         |         |
    0+50       5.9758      6.23  Q         |         |         |         |
    0+55       6.5312      6.83  qQ        |         |         |         |
    1+ 0       6.7927      7.14  |Q        |         |         |         |
    1+ 5       7.0277      7.42  |Q        |         |         |         |
    1+10       7.2584      7.67  |Q        |         |         |         |
    1+15       7.5610      7.99  |Q        |         |         |         |
    1+20       7.8574      8.30  |Q        |         |         |         |
    1+25       7.9459      8.40  |Q        |         |         |         |
    1+30       7.8768      8.34  |Q        |         |         |         |
    1+35       7.7451      8.22  |Q        |         |         |         |
    1+40       7.7433      8.23  |Q        |         |         |         |
    1+45       7.7583      8.26  |Q        |         |         |         |
    1+50       7.7999      8.31  |Q        |         |         |         |
    1+55       7.8680      8.39  |Q        |         |         |         |
    2+ 0       7.9543      8.50  |Q        |         |         |         |
    2+ 5       8.0627      8.62  |Q        |         |         |         |
    2+10       8.2134      8.79  |Q        |         |         |         |
    2+15       8.4747      9.06  |Q        |         |         |         |
    2+20       8.7675      9.37  |Q        |         |         |         |
    2+25       8.9098      9.53  |Q        |         |         |         |
    2+30       9.0162      9.65  |Q        |         |         |         |
    2+35       9.1179      9.77  |Q        |         |         |         |
    2+40       9.2433      9.91  |Q        |         |         |         |
    2+45       9.3987     10.09  |Q        |         |         |         |
    2+50       9.5721     10.28  |Q        |         |         |         |
    2+55       9.7845     10.51  |Q        |         |         |         |
    3+ 0      10.1061     10.84  |Q        |         |         |         |
    3+ 5      10.4584     11.20  |Q        |         |         |         |
    3+10      10.6596     11.41  |Q        |         |         |         |
    3+15      10.8221     11.59  |Q        |         |         |         |
    3+20      10.9598     11.74  |Q        |         |         |         |
    3+25      11.0836     11.87  |Q        |         |         |         |
    3+30      11.1945     11.99  |Q        |         |         |         |
    3+35      11.2974     12.10  |Q        |         |         |         |
    3+40      11.3927     12.21  |Q        |         |         |         |
    3+45      11.4811     12.31  |Q        |         |         |         |
    3+50      11.5799     12.42  |Q        |         |         |         |
    3+55      11.7003     12.55  |Q        |         |         |         |
    4+ 0      11.8383     12.70  |Q        |         |         |         |
    4+ 5      11.9990     12.87  |Q        |         |         |         |
    4+10      12.1979     13.08  |Q        |         |         |         |
    4+15      12.4808     13.38  |qQ       |         |         |         |
    4+20      12.8115     13.72  |qQ       |         |         |         |
    4+25      13.0193     13.94  |qQ       |         |         |         |
    4+30      13.2091     14.14  |qQ       |         |         |         |
    4+35      13.4006     14.35  | Q       |         |         |         |
    4+40      13.6261     14.58  | Q       |         |         |         |
    4+45      13.9526     14.92  | Q       |         |         |         |
    4+50      14.3215     15.30  | Q       |         |         |         |
    4+55      14.5624     15.55  | Q       |         |         |         |
    5+ 0      14.7829     15.78  | Q       |         |         |         |
    5+ 5      14.9686     15.98  | Q       |         |         |         |
    5+10      15.1293     16.15  | Q       |         |         |         |
    5+15      15.3478     16.38  | Q       |         |         |         |
    5+20      15.5568     16.60  | Q       |         |         |         |
    5+25      15.5451     16.59  | Q       |         |         |         |
    5+30      15.2878     16.35  | Q       |         |         |         |
    5+35      14.9783     16.05  | Q       |         |         |         |
    5+40      15.0150     16.09  | Q       |         |         |         |
    5+45      15.2392     16.33  | Q       |         |         |         |
    5+50      15.5526     16.65  | Q       |         |         |         |
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 5+55    15.7715    16.88  | Q       |         |         |         |
 6+ 0    16.0780    17.20  | Q       |         |         |         |
 6+ 5    16.4200    17.55  | Q       |         |         |         |
 6+10    16.6372    17.77  | Q       |         |         |         |
 6+15    16.8321    17.98  | Q       |         |         |         |
 6+20    17.0258    18.18  | Q       |         |         |         |
 6+25    17.2509    18.41  | Q       |         |         |         |
 6+30    17.5752    18.74  | Q       |         |         |         |
 6+35    17.9420    19.12  | Q       |         |         |         |
 6+40    18.1816    19.37  | Q       |         |         |         |
 6+45    18.4012    19.60  | Q       |         |         |         |
 6+50    18.6180    19.82  | Q       |         |         |         |
 6+55    18.8631    20.08  | qQ      |         |         |         |
 7+ 0    19.1995    20.43  | qQ      |         |         |         |
 7+ 5    19.5616    20.80  | qQ      |         |         |         |
 7+10    19.7688    21.02  | qQ      |         |         |         |
 7+15    19.9299    21.19  | qQ      |         |         |         |
 7+20    20.0779    21.34  |  Q      |         |         |         |
 7+25    20.2349    21.51  |  Q      |         |         |         |
 7+30    20.3961    21.68  |  Q      |         |         |         |
 7+35    20.5881    21.88  |  Q      |         |         |         |
 7+40    20.8430    22.15  |  Q      |         |         |         |
 7+45    21.2209    22.54  |  Q      |         |         |         |
 7+50    21.6661    22.99  |  Q      |         |         |         |
 7+55    22.0279    23.37  |  Q      |         |         |         |
 8+ 0    22.4790    23.83  |  Q      |         |         |         |
 8+ 5    22.9952    24.36  |  Q      |         |         |         |
 8+10    23.4487    24.83  |  Q      |         |         |         |
 8+15    23.9998    25.39  |  Q      |         |         |         |
 8+20    24.6012    26.01  |  Q      |         |         |         |
 8+25    25.1265    26.55  |  Q      |         |         |         |
 8+30    25.8205    27.25  |  qQ     |         |         |         |
 8+35    26.5612    28.01  |  qQ     |         |         |         |
 8+40    27.0080    28.47  |   Q     |         |         |         |
 8+45    27.3846    28.86  |   Q     |         |         |         |
 8+50    27.7817    29.27  |   Q     |         |         |         |
 8+55    28.2816    29.78  |   Q     |         |         |         |
 9+ 0    28.9356    30.45  |   Q     |         |         |         |
 9+ 5    29.8550    31.38  |   Q     |         |         |         |
 9+10    31.0320    32.58  |   Q     |         |         |         |
 9+15    32.7295    34.29  |   qQ    |         |         |         |
 9+20    34.8782    36.45  |    Q    |         |         |         |
 9+25    37.1751    38.76  |    Q    |         |         |         |
 9+30    40.5229    42.12  |     Q   |         |         |         |
 9+35    44.3195    45.93  |     Q   |         |         |         |
 9+40    47.0147    49.19  |      Q  |         |         |         |
 9+45    49.9597    53.36  |      Q  |         |         |         |
 9+50    53.0332    57.63  |      qQ |         |         |         |
 9+55    55.6288    61.43  |       qQ|         |         |         |
10+ 0    58.5649    65.22  |       qQ|         |         |         |
10+ 5    61.0593    68.29  |        qQ         |         |         |
10+10    62.0567    69.79  |        qQ         |         |         |
10+15    62.6628    70.82  |        qQ         |         |         |
10+20    62.4257    70.94  |        qQ         |         |         |
10+25    59.8678    68.69  |       q Q         |         |         |
10+30    53.4212    62.46  |       qQ|         |         |         |
10+35    46.0839    55.34  |     q Q |         |         |         |
10+40    44.0130    53.51  |     q Q |         |         |         |
10+45    43.4410    53.21  |     qQ  |         |         |         |
10+50    44.0909    54.17  |     q Q |         |         |         |
10+55    46.1187    56.51  |     q Q |         |         |         |
11+ 0    51.0972    61.77  |     q Q|         |         |         |
11+ 5    57.2292    68.16  |      q Q         |         |         |
11+10    60.6267    71.80  |       qQ         |         |         |
11+15    63.1255    74.54  |       q|Q        |         |         |
11+20    65.0283    76.68  |       q|Q        |         |         |
11+25    66.5117    78.39  |       q|Q        |         |         |
11+30    67.2556    79.36  |        qQ        |         |         |
11+35    67.6232    79.91  |        qQ        |         |         |
11+40    68.5589    81.03  |        q Q       |         |         |
11+45    69.6840    82.32  |        q Q       |         |         |
11+50    70.8243    83.62  |        q Q       |         |         |
11+55    71.7025    84.66  |        q Q       |         |         |
12+ 0    71.3457    84.46  |        q Q       |         |         |
12+ 5    71.1382    84.42  |        q Q       |         |         |
12+10    73.5780    87.83  |       |q Q       |         |         |
12+15    77.5795    93.68  |       |q  Q      |         |         |
12+20    82.9222   101.01  |       | q  Q     |         |         |
12+25    89.3633   109.45  |       |  q  Q    |         |         |
12+30    99.5378   121.62  |       |   q   Q  |         |         |
12+35   111.4436   135.48  |       |     q   Q|         |         |
12+40   119.2572   144.95  |       |      q  |Q         |         |
12+45   126.5851   153.68  |       |       q |  Q       |         |
12+50   133.6347   162.12  |       |         q   Q      |         |
12+55   140.1607   170.04  |       |         |q   Q     |         |
13+ 0   147.3039   178.56  |       |         | q   Q    |         |
13+ 5   154.9152   187.55  |       |         |  q    Q  |         |
13+10   161.0016   194.93  |       |         |   q    Q|         |
13+15   167.5968   202.61  |       |         |    q   Q |         |
13+20   174.6333   210.77  |       |         |     q  |Q        |
13+25   181.8401   219.12  |       |         |      q | Q       |
13+30   191.3141   229.72  |       |         |       q|   Q     |
13+35   200.3940   239.88  |       |         |        q    Q    |
13+40   205.9882   250.94  |       |         |        q      Q  |
13+45   212.7862   262.47  |       |         |        |q      Q|
13+50   215.2060   266.97  |       |         |        | q      Q
13+55   213.0256   265.74  |       |         |        |q      Q|
14+ 0   203.3911   256.47  |       |         |        q      Q |
14+ 5   191.3694   244.60  |       |         |       q|     Q  |
14+10   187.1668   240.93  |       |         |       q|     Q  |
14+15   185.1002   240.07  |       |         |      q |    Q   |
14+20   184.5479   240.96  |       |         |      q |     Q  |
14+25   185.2195   242.82  |       |         |      q |     Q  |
14+30   188.3648   246.79  |       |         |       q|     Q  |
14+35   192.2539   251.25  |       |         |       q|      Q |
14+40   193.2667   252.68  |       |         |       q|      Q |
14+45   193.1783   252.90  |       |         |       q|      Q |
14+50   192.5326   252.48  |       |         |       q|      Q |
14+55   192.3379   252.33  |       |         |       q|      Q |
15+ 0   192.0390   251.87  |       |         |       q|      Q |
15+ 5   191.4720   251.03  |       |         |       q|      Q |
15+10   190.4328   249.60  |       |         |       q|      Q |
15+15   188.7954   247.43  |       |         |       q|      Q |
15+20   186.7455   244.80  |       |         |      q |     Q  |
15+25   184.9815   242.42  |       |         |      q |     Q  |
15+30   182.7873   239.51  |       |         |      q |    Q   |
15+35   180.0598   236.01  |       |         |     q  |    Q   |
15+40   177.1810   231.98  |       |         |     q  |   Q    |
15+45   173.3331   226.39  |       |         |    q   |  Q     |
15+50   168.8029   219.96  |       |         |    q   | Q      |
15+55   164.0965   213.56  |       |         |   q    |Q       |
16+ 0   157.4955   205.55  |       |         |  q     Q        |
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16+ 5    149.4093    196.05  |          |          | q       Q|          |          |
16+10    142.2508    185.98  |          |          |q      Q  |          |          |
16+15    134.0835    173.78  |          |          q       Q  |          |          |
16+20    127.1643    166.17  |          |          q|    Q     |          |          |
16+25    118.8242    157.07  |          |        q  |   Q      |          |          |
16+30    105.3889    142.84  |          |      q    |Q         |          |          |
16+35     90.4884    127.13  |          |    q      Q|         |          |          |
16+40     82.6193    118.46  |          |  q      Q  |         |          |          |
16+45     76.5451    111.58  |          |q      Q    |         |          |          |
16+50     71.5901    105.83  |          |q     Q     |         |          |          |
16+55     67.2110    100.60  |          |q     Q     |         |          |          |
17+ 0     63.2993     95.58  |          | q|    Q     |         |          |          |
17+ 5     59.7972     91.01  |        q |  Q       |         |          |          |
17+10     56.5994     86.81  |        q |  Q       |         |          |          |
17+15     53.6413     82.93  |        q | Q        |         |          |          |
17+20     51.0381     79.45  |       q  |Q         |         |          |          |
17+25     48.8142     76.40  |       q  |Q         |         |          |          |
17+30     47.0702     73.87  |       q  |Q         |         |          |          |
17+35     45.6130     71.66  |     q    Q         |         |          |          |
17+40     44.0839     69.40  |     q    Q         |         |          |          |
17+45     42.6820     67.16  |     q    Q         |         |          |          |
17+50     41.3482     64.88  |     q   Q|         |         |          |          |
17+55     40.0867     62.72  |     q   Q|         |         |          |          |
18+ 0     38.9348     60.69  |    q    Q|         |         |          |          |
18+ 5     37.9042     58.81  |    q   Q |         |         |          |          |
18+10     36.9789     57.08  |    q   Q |         |         |          |          |
18+15     35.9726     55.30  |    q   Q |         |         |          |          |
18+20     34.9715     53.57  |    q   Q |         |         |          |          |
18+25     34.1586     52.06  |    q  Q  |         |         |          |          |
18+30     33.4817     50.73  |    q  Q  |         |         |          |          |
18+35     32.9695     49.59  |   q   Q  |         |         |          |          |
18+40     32.4847     48.50  |   q   Q  |         |         |          |          |
18+45     31.9907     47.41  |   q   Q  |         |         |          |          |
18+50     31.4596     46.29  |   q  Q   |         |         |          |          |
18+55     30.8555     45.11  |   q  Q   |         |         |          |          |
19+ 0     30.1252     43.81  |   q  Q   |         |         |          |          |
19+ 5     29.3858     42.72  |   q  Q   |         |         |          |          |
19+10     28.8223     42.10  |   q  Q   |         |         |          |          |
19+15     28.2160     41.43  |   q  Q   |         |         |          |          |
19+20     27.6605     40.81  |   q  Q   |         |         |          |          |
19+25     27.3639     40.46  |   q  Q   |         |         |          |          |
19+30     27.2560     40.30  |   q  Q   |         |         |          |          |
19+35     27.2321     40.22  |   q  Q   |         |         |          |          |
19+40     27.1110     40.05  |   q  Q   |         |         |          |          |
19+45     27.0655     39.95  |   qQ     |         |         |          |          |
19+50     27.0057     39.83  |   qQ     |         |         |          |          |
19+55     26.7280     39.50  |   qQ     |         |         |          |          |
20+ 0     26.2837     38.99  | q Q      |         |         |          |          |
20+ 5     25.7824     38.43  | q Q      |         |         |          |          |
20+10     25.4104     37.99  | q Q      |         |         |          |          |
20+15     24.9816     37.51  | q Q      |         |         |          |          |
20+20     24.5649     37.03  | q Q      |         |         |          |          |
20+25     24.3514     36.77  | q Q      |         |         |          |          |
20+30     24.2967     36.66  | q Q      |         |         |          |          |
20+35     24.3036     36.61  | q Q      |         |         |          |          |
20+40     24.1765     36.43  | q Q      |         |         |          |          |
20+45     24.0261     36.23  | q Q      |         |         |          |          |
20+50     23.8465     35.99  | q Q      |         |         |          |          |
20+55     23.6355     35.73  | q Q      |         |         |          |          |
21+ 0     23.3960     35.43  | q Q      |         |         |          |          |
21+ 5     23.1478     35.11  | q Q      |         |         |          |          |
21+10     22.8848     34.78  |  q Q     |         |         |          |          |
21+15     22.5338     34.37  |  q Q     |         |         |          |          |
21+20     22.1565     33.93  |  q Q     |         |         |          |          |
21+25     21.8232     33.53  |  q Q     |         |         |          |          |
21+30     21.6253     33.27  |  qQ      |         |         |          |          |
21+35     21.4870     33.06  |  qQ      |         |         |          |          |
21+40     21.2086     32.72  |  qQ      |         |         |          |          |
21+45     20.8252     32.27  |  qQ      |         |         |          |          |
21+50     20.4093     31.80  |  qQ      |         |         |          |          |
21+55     20.1591     31.49  |  qQ      |         |         |          |          |
22+ 0     20.0317     31.30  |  qQ      |         |         |          |          |
22+ 5     19.9559     31.15  | q Q      |         |         |          |          |
22+10     19.7336     30.87  | q Q      |         |         |          |          |
22+15     19.4034     30.48  | q Q      |         |         |          |          |
22+20     19.0356     30.06  | q Q      |         |         |          |          |
22+25     18.8280     29.79  | q Q      |         |         |          |          |
22+30     18.7437     29.65  | q Q      |         |         |          |          |
22+35     18.6888     29.53  | q Q      |         |         |          |          |
22+40     18.4499     29.23  | q Q      |         |         |          |          |
22+45     18.0787     28.80  | q Q      |         |         |          |          |
22+50     17.6696     28.33  | q Q      |         |         |          |          |
22+55     17.4158     28.01  | q Q      |         |         |          |          |
23+ 0     17.1994     27.73  | q Q      |         |         |          |          |
23+ 5     17.0071     27.46  | q Q      |         |         |          |          |
23+10     16.8273     27.20  | q Q      |         |         |          |          |
23+15     16.6628     26.96  | q Q      |         |         |          |          |
23+20     16.5117     26.74  | q Q      |         |         |          |          |
23+25     16.3734     26.53  | qQ       |         |         |          |          |
23+30     16.2436     26.32  | qQ       |         |         |          |          |
23+35     16.1194     26.13  | qQ       |         |         |          |          |
23+40     15.9999     25.94  | qQ       |         |         |          |          |
23+45     15.8877     25.75  | qQ       |         |         |          |          |
23+50     15.7844     25.58  | qQ       |         |         |          |          |
23+55     15.6902     25.42  | qQ       |         |         |          |          |
24+ 0     15.6010     25.26  | qQ       |         |         |          |          |
24+ 5     15.4738     25.06  | qQ       |         |         |          |          |
24+10     15.2791     24.79  | qQ       |         |         |          |          |
24+15     15.0430     24.47  | qQ       |         |         |          |          |
24+20     14.7637     24.11  | qQ       |         |         |          |          |
24+25     14.4011     23.66  | qQ       |         |         |          |          |
24+30     13.8207     22.98  | qQ       |         |         |          |          |
24+35     13.1781     22.25  |q Q       |         |         |          |          |
24+40     12.8356     21.82  |q Q       |         |         |          |          |
24+45     12.5682     21.46  |q Q       |         |         |          |          |
24+50     12.3479     21.15  |q Q       |         |         |          |          |
24+55     12.1519     20.85  |q Q       |         |         |          |          |
25+ 0     11.9786     20.56  |q Q       |         |         |          |          |
25+ 5      0.0000      8.46  qQ         |         |         |          |          |
25+10      0.0000      8.34  qQ         |         |         |          |          |
25+15      0.0000      8.22  qQ         |         |         |          |          |
25+20      0.0000      8.10  qQ         |         |         |          |          |
25+25      0.0000      7.99  qQ         |         |         |          |          |
25+30      0.0000      7.87  qQ         |         |         |          |          |
25+35      0.0000      7.76  qQ         |         |         |          |          |
25+40      0.0000      7.65  qQ         |         |         |          |          |
25+45      0.0000      7.54  qQ         |         |         |          |          |
25+50      0.0000      7.44  qQ         |         |         |          |          |
25+55      0.0000      7.33  qQ         |         |         |          |          |
26+ 0      0.0000      7.23  qQ         |         |         |          |          |
26+ 5      0.0000      7.12  qQ         |         |         |          |          |
26+10      0.0000      7.02  qQ         |         |         |          |          |
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26+15	0.0000	6.92	qQ	|	|	|	|	31+20	0.0000	1.62	Q	|	|	|	|
26+20	0.0000	6.82	qQ	|	|	|	|	31+25	0.0000	1.61	Q	|	|	|	|
26+25	0.0000	6.73	qQ	|	|	|	|	31+30	0.0000	1.61	Q	|	|	|	|
26+30	0.0000	6.63	Q	|	|	|	|	31+35	0.0000	1.61	Q	|	|	|	|
26+35	0.0000	6.54	Q	|	|	|	|	31+40	0.0000	1.61	Q	|	|	|	|
26+40	0.0000	6.45	Q	|	|	|	|	31+45	0.0000	1.61	Q	|	|	|	|
26+45	0.0000	6.35	Q	|	|	|	|	31+50	0.0000	1.61	Q	|	|	|	|
26+50	0.0000	6.17	Q	|	|	|	|	31+55	0.0000	1.61	Q	|	|	|	|
26+55	0.0000	5.99	Q	|	|	|	|	32+ 0	0.0000	1.61	Q	|	|	|	|
27+ 0	0.0000	5.82	Q	|	|	|	|	32+ 5	0.0000	1.61	Q	|	|	|	|
27+ 5	0.0000	5.65	Q	|	|	|	|	32+10	0.0000	1.61	Q	|	|	|	|
27+10	0.0000	5.48	Q	|	|	|	|	32+15	0.0000	1.61	Q	|	|	|	|
27+15	0.0000	5.32	Q	|	|	|	|	32+20	0.0000	1.61	Q	|	|	|	|
27+20	0.0000	5.16	Q	|	|	|	|	32+25	0.0000	1.61	Q	|	|	|	|
27+25	0.0000	5.01	Q	|	|	|	|	32+30	0.0000	1.61	Q	|	|	|	|
27+30	0.0000	4.86	Q	|	|	|	|	32+35	0.0000	1.61	Q	|	|	|	|
27+35	0.0000	4.72	Q	|	|	|	|	32+40	0.0000	1.61	Q	|	|	|	|
27+40	0.0000	4.58	Q	|	|	|	|	32+45	0.0000	1.61	Q	|	|	|	|
27+45	0.0000	4.45	Q	|	|	|	|	32+50	0.0000	1.61	Q	|	|	|	|
27+50	0.0000	4.32	Q	|	|	|	|	32+55	0.0000	1.60	Q	|	|	|	|
27+55	0.0000	4.19	Q	|	|	|	|	33+ 0	0.0000	1.60	Q	|	|	|	|
28+ 0	0.0000	4.07	Q	|	|	|	|	33+ 5	0.0000	1.60	Q	|	|	|	|
28+ 5	0.0000	3.95	Q	|	|	|	|	33+10	0.0000	1.60	Q	|	|	|	|
28+10	0.0000	3.83	Q	|	|	|	|	33+15	0.0000	1.60	Q	|	|	|	|
28+15	0.0000	3.72	Q	|	|	|	|	33+20	0.0000	1.60	Q	|	|	|	|
28+20	0.0000	3.61	Q	|	|	|	|	33+25	0.0000	1.60	Q	|	|	|	|
28+25	0.0000	3.51	Q	|	|	|	|	33+30	0.0000	1.60	Q	|	|	|	|
28+30	0.0000	3.40	Q	|	|	|	|	33+35	0.0000	1.60	Q	|	|	|	|
28+35	0.0000	3.30	Q	|	|	|	|	33+40	0.0000	1.60	Q	|	|	|	|
28+40	0.0000	3.21	Q	|	|	|	|	33+45	0.0000	1.60	Q	|	|	|	|
28+45	0.0000	3.11	Q	|	|	|	|	33+50	0.0000	1.60	Q	|	|	|	|
28+50	0.0000	3.02	Q	|	|	|	|	33+55	0.0000	1.60	Q	|	|	|	|
28+55	0.0000	2.93	Q	|	|	|	|	34+ 0	0.0000	1.60	Q	|	|	|	|
29+ 0	0.0000	2.85	Q	|	|	|	|	34+ 5	0.0000	1.60	Q	|	|	|	|
29+ 5	0.0000	2.76	Q	|	|	|	|	34+10	0.0000	1.60	Q	|	|	|	|
29+10	0.0000	2.68	Q	|	|	|	|	34+15	0.0000	1.60	Q	|	|	|	|
29+15	0.0000	2.60	Q	|	|	|	|	34+20	0.0000	1.60	Q	|	|	|	|
29+20	0.0000	2.53	Q	|	|	|	|	34+25	0.0000	1.60	Q	|	|	|	|
29+25	0.0000	2.45	Q	|	|	|	|	34+30	0.0000	1.59	Q	|	|	|	|
29+30	0.0000	2.38	Q	|	|	|	|	34+35	0.0000	1.59	Q	|	|	|	|
29+35	0.0000	2.31	Q	|	|	|	|	34+40	0.0000	1.59	Q	|	|	|	|
29+40	0.0000	2.24	Q	|	|	|	|	34+45	0.0000	1.59	Q	|	|	|	|
29+45	0.0000	2.18	Q	|	|	|	|	34+50	0.0000	1.59	Q	|	|	|	|
29+50	0.0000	2.11	Q	|	|	|	|	34+55	0.0000	1.59	Q	|	|	|	|
29+55	0.0000	2.05	Q	|	|	|	|	35+ 0	0.0000	1.59	Q	|	|	|	|
30+ 0	0.0000	1.99	Q	|	|	|	|	35+ 5	0.0000	1.59	Q	|	|	|	|
30+ 5	0.0000	1.93	Q	|	|	|	|	35+10	0.0000	1.59	Q	|	|	|	|
30+10	0.0000	1.88	Q	|	|	|	|	35+15	0.0000	1.59	Q	|	|	|	|
30+15	0.0000	1.82	Q	|	|	|	|	35+20	0.0000	1.59	Q	|	|	|	|
30+20	0.0000	1.77	Q	|	|	|	|	35+25	0.0000	1.59	Q	|	|	|	|
30+25	0.0000	1.72	Q	|	|	|	|	35+30	0.0000	1.59	Q	|	|	|	|
30+30	0.0000	1.67	Q	|	|	|	|	35+35	0.0000	1.59	Q	|	|	|	|
30+35	0.0000	1.62	Q	|	|	|	|	35+40	0.0000	1.59	Q	|	|	|	|
30+40	0.0000	1.62	Q	|	|	|	|	35+45	0.0000	1.59	Q	|	|	|	|
30+45	0.0000	1.62	Q	|	|	|	|	35+50	0.0000	1.59	Q	|	|	|	|
30+50	0.0000	1.62	Q	|	|	|	|	35+55	0.0000	1.59	Q	|	|	|	|
30+55	0.0000	1.62	Q	|	|	|	|	36+ 0	0.0000	1.58	Q	|	|	|	|
31+ 0	0.0000	1.62	Q	|	|	|	|	36+ 5	0.0000	1.58	Q	|	|	|	|
31+ 5	0.0000	1.62	Q	|	|	|	|	36+10	0.0000	1.58	Q	|	|	|	|
31+10	0.0000	1.62	Q	|	|	|	|	36+15	0.0000	1.58	Q	|	|	|	|
31+15	0.0000	1.62	Q	|	|	|	|	36+20	0.0000	1.58	Q	|	|	|	|

36+25	0.0000	1.58	Q					41+30	0.0000	1.54	Q				
36+30	0.0000	1.58	Q					41+35	0.0000	1.54	Q				
36+35	0.0000	1.58	Q					41+40	0.0000	1.54	Q				
36+40	0.0000	1.58	Q					41+45	0.0000	1.54	Q				
36+45	0.0000	1.58	Q					41+50	0.0000	1.54	Q				
36+50	0.0000	1.58	Q					41+55	0.0000	1.54	Q				
36+55	0.0000	1.58	Q					42+ 0	0.0000	1.54	Q				
37+ 0	0.0000	1.58	Q					42+ 5	0.0000	1.54	Q				
37+ 5	0.0000	1.58	Q					42+10	0.0000	1.54	Q				
37+10	0.0000	1.58	Q					42+15	0.0000	1.54	Q				
37+15	0.0000	1.58	Q					42+20	0.0000	1.54	Q				
37+20	0.0000	1.58	Q					42+25	0.0000	1.54	Q				
37+25	0.0000	1.58	Q					42+30	0.0000	1.54	Q				
37+30	0.0000	1.58	Q					42+35	0.0000	1.54	Q				
37+35	0.0000	1.57	Q					42+40	0.0000	1.54	Q				
37+40	0.0000	1.57	Q					42+45	0.0000	1.53	Q				
37+45	0.0000	1.57	Q					42+50	0.0000	1.53	Q				
37+50	0.0000	1.57	Q					42+55	0.0000	1.53	Q				
37+55	0.0000	1.57	Q					43+ 0	0.0000	1.53	Q				
38+ 0	0.0000	1.57	Q					43+ 5	0.0000	1.53	Q				
38+ 5	0.0000	1.57	Q					43+10	0.0000	1.53	Q				
38+10	0.0000	1.57	Q					43+15	0.0000	1.53	Q				
38+15	0.0000	1.57	Q					43+20	0.0000	1.53	Q				
38+20	0.0000	1.57	Q					43+25	0.0000	1.53	Q				
38+25	0.0000	1.57	Q					43+30	0.0000	1.53	Q				
38+30	0.0000	1.57	Q					43+35	0.0000	1.53	Q				
38+35	0.0000	1.57	Q					43+40	0.0000	1.53	Q				
38+40	0.0000	1.57	Q					43+45	0.0000	1.53	Q				
38+45	0.0000	1.57	Q					43+50	0.0000	1.53	Q				
38+50	0.0000	1.57	Q					43+55	0.0000	1.53	Q				
38+55	0.0000	1.57	Q					44+ 0	0.0000	1.52	Q				
39+ 0	0.0000	1.56	Q					44+ 5	0.0000	1.52	Q				
39+ 5	0.0000	1.56	Q					44+10	0.0000	1.52	Q				
39+10	0.0000	1.56	Q					44+15	0.0000	1.52	Q				
39+15	0.0000	1.56	Q					44+20	0.0000	1.52	Q				
39+20	0.0000	1.56	Q					44+25	0.0000	1.52	Q				
39+25	0.0000	1.56	Q					44+30	0.0000	1.52	Q				
39+30	0.0000	1.56	Q					44+35	0.0000	1.52	Q				
39+35	0.0000	1.56	Q					44+40	0.0000	1.52	Q				
39+40	0.0000	1.56	Q					44+45	0.0000	1.52	Q				
39+45	0.0000	1.56	Q					44+50	0.0000	1.52	Q				
39+50	0.0000	1.56	Q					44+55	0.0000	1.52	Q				
39+55	0.0000	1.56	Q					45+ 0	0.0000	1.52	Q				
40+ 0	0.0000	1.56	Q					45+ 5	0.0000	1.52	Q				
40+ 5	0.0000	1.56	Q					45+10	0.0000	1.52	Q				
40+10	0.0000	1.56	Q					45+15	0.0000	1.52	Q				
40+15	0.0000	1.55	Q					45+20	0.0000	1.51	Q				
40+20	0.0000	1.55	Q					45+25	0.0000	1.51	Q				
40+25	0.0000	1.55	Q					45+30	0.0000	1.51	Q				
40+30	0.0000	1.55	Q					45+35	0.0000	1.51	Q				
40+35	0.0000	1.55	Q					45+40	0.0000	1.51	Q				
40+40	0.0000	1.55	Q					45+45	0.0000	1.51	Q				
40+45	0.0000	1.55	Q					45+50	0.0000	1.51	Q				
40+50	0.0000	1.55	Q					45+55	0.0000	1.51	Q				
40+55	0.0000	1.55	Q					46+ 0	0.0000	1.51	Q				
41+ 0	0.0000	1.55	Q					46+ 5	0.0000	1.51	Q				
41+ 5	0.0000	1.55	Q					46+10	0.0000	1.51	Q				
41+10	0.0000	1.55	Q					46+15	0.0000	1.51	Q				
41+15	0.0000	1.55	Q					46+20	0.0000	1.51	Q				
41+20	0.0000	1.55	Q					46+25	0.0000	1.51	Q				
41+25	0.0000	1.55	Q					46+30	0.0000	1.51	Q				

46+35	0.0000	1.50	Q					51+40	0.0000	1.46	Q								
46+40	0.0000	1.50	Q					51+45	0.0000	1.46	Q								
46+45	0.0000	1.50	Q					51+50	0.0000	1.46	Q								
46+50	0.0000	1.50	Q					51+55	0.0000	1.46	Q								
46+55	0.0000	1.50	Q					52+ 0	0.0000	1.46	Q								
47+ 0	0.0000	1.50	Q					52+ 5	0.0000	1.46	Q								
47+ 5	0.0000	1.50	Q					52+10	0.0000	1.46	Q								
47+10	0.0000	1.50	Q					52+15	0.0000	1.46	Q								
47+15	0.0000	1.50	Q					52+20	0.0000	1.46	Q								
47+20	0.0000	1.50	Q					52+25	0.0000	1.46	Q								
47+25	0.0000	1.50	Q					52+30	0.0000	1.46	Q								
47+30	0.0000	1.50	Q					52+35	0.0000	1.46	Q								
47+35	0.0000	1.50	Q					52+40	0.0000	1.45	Q								
47+40	0.0000	1.50	Q					52+45	0.0000	1.45	Q								
47+45	0.0000	1.49	Q					52+50	0.0000	1.45	Q								
47+50	0.0000	1.49	Q					52+55	0.0000	1.45	Q								
47+55	0.0000	1.49	Q					53+ 0	0.0000	1.45	Q								
48+ 0	0.0000	1.49	Q					53+ 5	0.0000	1.45	Q								
48+ 5	0.0000	1.49	Q					53+10	0.0000	1.45	Q								
48+10	0.0000	1.49	Q					53+15	0.0000	1.45	Q								
48+15	0.0000	1.49	Q					53+20	0.0000	1.45	Q								
48+20	0.0000	1.49	Q					53+25	0.0000	1.45	Q								
48+25	0.0000	1.49	Q					53+30	0.0000	1.45	Q								
48+30	0.0000	1.49	Q					53+35	0.0000	1.45	Q								
48+35	0.0000	1.49	Q					53+40	0.0000	1.45	Q								
48+40	0.0000	1.49	Q					53+45	0.0000	1.45	Q								
48+45	0.0000	1.49	Q					53+50	0.0000	1.45	Q								
48+50	0.0000	1.49	Q					53+55	0.0000	1.44	Q								
48+55	0.0000	1.49	Q					54+ 0	0.0000	1.44	Q								
49+ 0	0.0000	1.48	Q					54+ 5	0.0000	1.44	Q								
49+ 5	0.0000	1.48	Q					54+10	0.0000	1.44	Q								
49+10	0.0000	1.48	Q					54+15	0.0000	1.44	Q								
49+15	0.0000	1.48	Q					54+20	0.0000	1.44	Q								
49+20	0.0000	1.48	Q					54+25	0.0000	1.44	Q								
49+25	0.0000	1.48	Q					54+30	0.0000	1.44	Q								
49+30	0.0000	1.48	Q					54+35	0.0000	1.44	Q								
49+35	0.0000	1.48	Q					54+40	0.0000	1.44	Q								
49+40	0.0000	1.48	Q					54+45	0.0000	1.44	Q								
49+45	0.0000	1.48	Q					54+50	0.0000	1.44	Q								
49+50	0.0000	1.48	Q					54+55	0.0000	1.44	Q								
49+55	0.0000	1.48	Q					55+ 0	0.0000	1.44	Q								
50+ 0	0.0000	1.48	Q					55+ 5	0.0000	1.43	Q								
50+ 5	0.0000	1.48	Q					55+10	0.0000	1.43	Q								
50+10	0.0000	1.47	Q					55+15	0.0000	1.43	Q								
50+15	0.0000	1.47	Q					55+20	0.0000	1.43	Q								
50+20	0.0000	1.47	Q					55+25	0.0000	1.43	Q								
50+25	0.0000	1.47	Q					55+30	0.0000	1.43	Q								
50+30	0.0000	1.47	Q					55+35	0.0000	1.43	Q								
50+35	0.0000	1.47	Q					55+40	0.0000	1.43	Q								
50+40	0.0000	1.47	Q					55+45	0.0000	1.43	Q								
50+45	0.0000	1.47	Q					55+50	0.0000	1.43	Q								
50+50	0.0000	1.47	Q					55+55	0.0000	1.43	Q								
50+55	0.0000	1.47	Q					56+ 0	0.0000	1.43	Q								
51+ 0	0.0000	1.47	Q					56+ 5	0.0000	1.43	Q								
51+ 5	0.0000	1.47	Q					56+10	0.0000	1.43	Q								
51+10	0.0000	1.47	Q					56+15	0.0000	1.42	Q								
51+15	0.0000	1.47	Q					56+20	0.0000	1.42	Q								
51+20	0.0000	1.47	Q					56+25	0.0000	1.42	Q								
51+25	0.0000	1.46	Q					56+30	0.0000	1.42	Q								
51+30	0.0000	1.46	Q					56+35	0.0000	1.42	Q								
51+35	0.0000	1.46	Q					56+40	0.0000	1.42	Q								

56+45	0.0000	1.42	Q					61+50	0.0000	1.37	Q				
56+50	0.0000	1.42	Q					61+55	0.0000	1.37	Q				
56+55	0.0000	1.42	Q					62+ 0	0.0000	1.37	Q				
57+ 0	0.0000	1.42	Q					62+ 5	0.0000	1.37	Q				
57+ 5	0.0000	1.42	Q					62+10	0.0000	1.37	Q				
57+10	0.0000	1.42	Q					62+15	0.0000	1.37	Q				
57+15	0.0000	1.42	Q					62+20	0.0000	1.37	Q				
57+20	0.0000	1.42	Q					62+25	0.0000	1.37	Q				
57+25	0.0000	1.41	Q					62+30	0.0000	1.37	Q				
57+30	0.0000	1.41	Q					62+35	0.0000	1.37	Q				
57+35	0.0000	1.41	Q					62+40	0.0000	1.37	Q				
57+40	0.0000	1.41	Q					62+45	0.0000	1.37	Q				
57+45	0.0000	1.41	Q					62+50	0.0000	1.36	Q				
57+50	0.0000	1.41	Q					62+55	0.0000	1.36	Q				
57+55	0.0000	1.41	Q					63+ 0	0.0000	1.36	Q				
58+ 0	0.0000	1.41	Q					63+ 5	0.0000	1.36	Q				
58+ 5	0.0000	1.41	Q					63+10	0.0000	1.36	Q				
58+10	0.0000	1.41	Q					63+15	0.0000	1.36	Q				
58+15	0.0000	1.41	Q					63+20	0.0000	1.36	Q				
58+20	0.0000	1.41	Q					63+25	0.0000	1.36	Q				
58+25	0.0000	1.41	Q					63+30	0.0000	1.36	Q				
58+30	0.0000	1.41	Q					63+35	0.0000	1.36	Q				
58+35	0.0000	1.41	Q					63+40	0.0000	1.36	Q				
58+40	0.0000	1.40	Q					63+45	0.0000	1.35	Q				
58+45	0.0000	1.40	Q					63+50	0.0000	1.35	Q				
58+50	0.0000	1.40	Q					63+55	0.0000	1.35	Q				
58+55	0.0000	1.40	Q					64+ 0	0.0000	1.35	Q				
59+ 0	0.0000	1.40	Q					64+ 5	0.0000	1.35	Q				
59+ 5	0.0000	1.40	Q					64+10	0.0000	1.35	Q				
59+10	0.0000	1.40	Q					64+15	0.0000	1.35	Q				
59+15	0.0000	1.40	Q					64+20	0.0000	1.35	Q				
59+20	0.0000	1.40	Q					64+25	0.0000	1.35	Q				
59+25	0.0000	1.40	Q					64+30	0.0000	1.35	Q				
59+30	0.0000	1.40	Q					64+35	0.0000	1.35	Q				
59+35	0.0000	1.40	Q					64+40	0.0000	1.35	Q				
59+40	0.0000	1.40	Q					64+45	0.0000	1.34	Q				
59+45	0.0000	1.40	Q					64+50	0.0000	1.34	Q				
59+50	0.0000	1.39	Q					64+55	0.0000	1.34	Q				
59+55	0.0000	1.39	Q					65+ 0	0.0000	1.34	Q				
60+ 0	0.0000	1.39	Q					65+ 5	0.0000	1.34	Q				
60+ 5	0.0000	1.39	Q					65+10	0.0000	1.34	Q				
60+10	0.0000	1.39	Q					65+15	0.0000	1.34	Q				
60+15	0.0000	1.39	Q					65+20	0.0000	1.34	Q				
60+20	0.0000	1.39	Q					65+25	0.0000	1.34	Q				
60+25	0.0000	1.39	Q					65+30	0.0000	1.34	Q				
60+30	0.0000	1.39	Q					65+35	0.0000	1.34	Q				
60+35	0.0000	1.39	Q					65+40	0.0000	1.33	Q				
60+40	0.0000	1.39	Q					65+45	0.0000	1.33	Q				
60+45	0.0000	1.39	Q					65+50	0.0000	1.33	Q				
60+50	0.0000	1.39	Q					65+55	0.0000	1.33	Q				
60+55	0.0000	1.38	Q					66+ 0	0.0000	1.33	Q				
61+ 0	0.0000	1.38	Q					66+ 5	0.0000	1.33	Q				
61+ 5	0.0000	1.38	Q					66+10	0.0000	1.33	Q				
61+10	0.0000	1.38	Q					66+15	0.0000	1.33	Q				
61+15	0.0000	1.38	Q					66+20	0.0000	1.33	Q				
61+20	0.0000	1.38	Q					66+25	0.0000	1.33	Q				
61+25	0.0000	1.38	Q					66+30	0.0000	1.33	Q				
61+30	0.0000	1.38	Q					66+35	0.0000	1.33	Q				
61+35	0.0000	1.38	Q					66+40	0.0000	1.32	Q				
61+40	0.0000	1.38	Q					66+45	0.0000	1.32	Q				
61+45	0.0000	1.38	Q					66+50	0.0000	1.32	Q				

66+55	0.0000	1.32	Q					72+ 0	0.0000	1.27	Q				
67+ 0	0.0000	1.32	Q					72+ 5	0.0000	1.27	Q				
67+ 5	0.0000	1.32	Q					72+10	0.0000	1.27	Q				
67+10	0.0000	1.32	Q					72+15	0.0000	1.27	Q				
67+15	0.0000	1.32	Q					72+20	0.0000	1.27	Q				
67+20	0.0000	1.32	Q					72+25	0.0000	1.27	Q				
67+25	0.0000	1.32	Q					72+30	0.0000	1.27	Q				
67+30	0.0000	1.32	Q					72+35	0.0000	1.27	Q				
67+35	0.0000	1.32	Q					72+40	0.0000	1.26	Q				
67+40	0.0000	1.31	Q					72+45	0.0000	1.26	Q				
67+45	0.0000	1.31	Q					72+50	0.0000	1.26	Q				
67+50	0.0000	1.31	Q					72+55	0.0000	1.26	Q				
67+55	0.0000	1.31	Q					73+ 0	0.0000	1.26	Q				
68+ 0	0.0000	1.31	Q					73+ 5	0.0000	1.26	Q				
68+ 5	0.0000	1.31	Q					73+10	0.0000	1.26	Q				
68+10	0.0000	1.31	Q					73+15	0.0000	1.26	Q				
68+15	0.0000	1.31	Q					73+20	0.0000	1.26	Q				
68+20	0.0000	1.31	Q					73+25	0.0000	1.26	Q				
68+25	0.0000	1.31	Q					73+30	0.0000	1.26	Q				
68+30	0.0000	1.31	Q					73+35	0.0000	1.26	Q				
68+35	0.0000	1.31	Q					73+40	0.0000	1.26	Q				
68+40	0.0000	1.30	Q					73+45	0.0000	1.25	Q				
68+45	0.0000	1.30	Q					73+50	0.0000	1.25	Q				
68+50	0.0000	1.30	Q					73+55	0.0000	1.25	Q				
68+55	0.0000	1.30	Q					74+ 0	0.0000	1.25	Q				
69+ 0	0.0000	1.30	Q					74+ 5	0.0000	1.25	Q				
69+ 5	0.0000	1.30	Q					74+10	0.0000	1.25	Q				
69+10	0.0000	1.30	Q					74+15	0.0000	1.25	Q				
69+15	0.0000	1.30	Q					74+20	0.0000	1.25	Q				
69+20	0.0000	1.30	Q					74+25	0.0000	1.25	Q				
69+25	0.0000	1.30	Q					74+30	0.0000	1.25	Q				
69+30	0.0000	1.30	Q					74+35	0.0000	1.25	Q				
69+35	0.0000	1.30	Q					74+40	0.0000	1.24	Q				
69+40	0.0000	1.29	Q					74+45	0.0000	1.24	Q				
69+45	0.0000	1.29	Q					74+50	0.0000	1.24	Q				
69+50	0.0000	1.29	Q					74+55	0.0000	1.24	Q				
69+55	0.0000	1.29	Q					75+ 0	0.0000	1.24	Q				
70+ 0	0.0000	1.29	Q					75+ 5	0.0000	1.24	Q				
70+ 5	0.0000	1.29	Q					75+10	0.0000	1.24	Q				
70+10	0.0000	1.29	Q					75+15	0.0000	1.24	Q				
70+15	0.0000	1.29	Q					75+20	0.0000	1.24	Q				
70+20	0.0000	1.29	Q					75+25	0.0000	1.24	Q				
70+25	0.0000	1.29	Q					75+30	0.0000	1.24	Q				
70+30	0.0000	1.29	Q					75+35	0.0000	1.23	Q				
70+35	0.0000	1.29	Q					75+40	0.0000	1.23	Q				
70+40	0.0000	1.28	Q					75+45	0.0000	1.23	Q				
70+45	0.0000	1.28	Q					75+50	0.0000	1.23	Q				
70+50	0.0000	1.28	Q					75+55	0.0000	1.23	Q				
70+55	0.0000	1.28	Q					76+ 0	0.0000	1.23	Q				
71+ 0	0.0000	1.28	Q					76+ 5	0.0000	1.23	Q				
71+ 5	0.0000	1.28	Q					76+10	0.0000	1.23	Q				
71+10	0.0000	1.28	Q					76+15	0.0000	1.23	Q				
71+15	0.0000	1.28	Q					76+20	0.0000	1.23	Q				
71+20	0.0000	1.28	Q					76+25	0.0000	1.23	Q				
71+25	0.0000	1.28	Q					76+30	0.0000	1.22	Q				
71+30	0.0000	1.28	Q					76+35	0.0000	1.22	Q				
71+35	0.0000	1.28	Q					76+40	0.0000	1.22	Q				
71+40	0.0000	1.27	Q					76+45	0.0000	1.22	Q				
71+45	0.0000	1.27	Q					76+50	0.0000	1.22	Q				
71+50	0.0000	1.27	Q					76+55	0.0000	1.22	Q				
71+55	0.0000	1.27	Q					77+ 0	0.0000	1.22	Q				

77+ 5	0.0000	1.22	Q					82+10	0.0000	1.16	Q				
77+10	0.0000	1.22	Q					82+15	0.0000	1.16	Q				
77+15	0.0000	1.22	Q					82+20	0.0000	1.16	Q				
77+20	0.0000	1.22	Q					82+25	0.0000	1.16	Q				
77+25	0.0000	1.21	Q					82+30	0.0000	1.16	Q				
77+30	0.0000	1.21	Q					82+35	0.0000	1.16	Q				
77+35	0.0000	1.21	Q					82+40	0.0000	1.16	Q				
77+40	0.0000	1.21	Q					82+45	0.0000	1.16	Q				
77+45	0.0000	1.21	Q					82+50	0.0000	1.16	Q				
77+50	0.0000	1.21	Q					82+55	0.0000	1.16	Q				
77+55	0.0000	1.21	Q					83+ 0	0.0000	1.15	Q				
78+ 0	0.0000	1.21	Q					83+ 5	0.0000	1.15	Q				
78+ 5	0.0000	1.21	Q					83+10	0.0000	1.15	Q				
78+10	0.0000	1.21	Q					83+15	0.0000	1.15	Q				
78+15	0.0000	1.21	Q					83+20	0.0000	1.15	Q				
78+20	0.0000	1.20	Q					83+25	0.0000	1.15	Q				
78+25	0.0000	1.20	Q					83+30	0.0000	1.15	Q				
78+30	0.0000	1.20	Q					83+35	0.0000	1.15	Q				
78+35	0.0000	1.20	Q					83+40	0.0000	1.15	Q				
78+40	0.0000	1.20	Q					83+45	0.0000	1.15	Q				
78+45	0.0000	1.20	Q					83+50	0.0000	1.15	Q				
78+50	0.0000	1.20	Q					83+55	0.0000	1.14	Q				
78+55	0.0000	1.20	Q					84+ 0	0.0000	1.14	Q				
79+ 0	0.0000	1.20	Q					84+ 5	0.0000	1.14	Q				
79+ 5	0.0000	1.20	Q					84+10	0.0000	1.14	Q				
79+10	0.0000	1.20	Q					84+15	0.0000	1.14	Q				
79+15	0.0000	1.19	Q					84+20	0.0000	1.14	Q				
79+20	0.0000	1.19	Q					84+25	0.0000	1.14	Q				
79+25	0.0000	1.19	Q					84+30	0.0000	1.14	Q				
79+30	0.0000	1.19	Q					84+35	0.0000	1.14	Q				
79+35	0.0000	1.19	Q					84+40	0.0000	1.14	Q				
79+40	0.0000	1.19	Q					84+45	0.0000	1.14	Q				
79+45	0.0000	1.19	Q					84+50	0.0000	1.14	Q				
79+50	0.0000	1.19	Q					84+55	0.0000	1.13	Q				
79+55	0.0000	1.19	Q					85+ 0	0.0000	1.13	Q				
80+ 0	0.0000	1.19	Q					85+ 5	0.0000	1.13	Q				
80+ 5	0.0000	1.19	Q					85+10	0.0000	1.13	Q				
80+10	0.0000	1.18	Q					85+15	0.0000	1.13	Q				
80+15	0.0000	1.18	Q					85+20	0.0000	1.13	Q				
80+20	0.0000	1.18	Q					85+25	0.0000	1.13	Q				
80+25	0.0000	1.18	Q					85+30	0.0000	1.13	Q				
80+30	0.0000	1.18	Q					85+35	0.0000	1.13	Q				
80+35	0.0000	1.18	Q					85+40	0.0000	1.13	Q				
80+40	0.0000	1.18	Q					85+45	0.0000	1.13	Q				
80+45	0.0000	1.18	Q					85+50	0.0000	1.13	Q				
80+50	0.0000	1.18	Q					85+55	0.0000	1.12	Q				
80+55	0.0000	1.18	Q					86+ 0	0.0000	1.12	Q				
81+ 0	0.0000	1.18	Q					86+ 5	0.0000	1.12	Q				
81+ 5	0.0000	1.17	Q					86+10	0.0000	1.12	Q				
81+10	0.0000	1.17	Q					86+15	0.0000	1.12	Q				
81+15	0.0000	1.17	Q					86+20	0.0000	1.12	Q				
81+20	0.0000	1.17	Q					86+25	0.0000	1.12	Q				
81+25	0.0000	1.17	Q					86+30	0.0000	1.12	Q				
81+30	0.0000	1.17	Q					86+35	0.0000	1.12	Q				
81+35	0.0000	1.17	Q					86+40	0.0000	1.12	Q				
81+40	0.0000	1.17	Q					86+45	0.0000	1.12	Q				
81+45	0.0000	1.17	Q					86+50	0.0000	1.11	Q				
81+50	0.0000	1.17	Q					86+55	0.0000	1.11	Q				
81+55	0.0000	1.17	Q					87+ 0	0.0000	1.11	Q				
82+ 0	0.0000	1.16	Q					87+ 5	0.0000	1.11	Q				
82+ 5	0.0000	1.16	Q					87+10	0.0000	1.11	Q				

87+15	0.0000	1.11	Q					92+20	0.0000	1.04	Q				
87+20	0.0000	1.11	Q					92+25	0.0000	1.03	Q				
87+25	0.0000	1.11	Q					92+30	0.0000	1.03	Q				
87+30	0.0000	1.11	Q					92+35	0.0000	1.03	Q				
87+35	0.0000	1.11	Q					92+40	0.0000	1.03	Q				
87+40	0.0000	1.10	Q					92+45	0.0000	1.03	Q				
87+45	0.0000	1.10	Q					92+50	0.0000	1.03	Q				
87+50	0.0000	1.10	Q					92+55	0.0000	1.03	Q				
87+55	0.0000	1.10	Q					93+ 0	0.0000	1.03	Q				
88+ 0	0.0000	1.10	Q					93+ 5	0.0000	1.02	Q				
88+ 5	0.0000	1.10	Q					93+10	0.0000	1.02	Q				
88+10	0.0000	1.10	Q					93+15	0.0000	1.02	Q				
88+15	0.0000	1.10	Q					93+20	0.0000	1.02	Q				
88+20	0.0000	1.09	Q					93+25	0.0000	1.02	Q				
88+25	0.0000	1.09	Q					93+30	0.0000	1.02	Q				
88+30	0.0000	1.09	Q					93+35	0.0000	1.02	Q				
88+35	0.0000	1.09	Q					93+40	0.0000	1.02	Q				
88+40	0.0000	1.09	Q					93+45	0.0000	1.01	Q				
88+45	0.0000	1.09	Q					93+50	0.0000	1.01	Q				
88+50	0.0000	1.09	Q					93+55	0.0000	1.01	Q				
88+55	0.0000	1.09	Q					94+ 0	0.0000	1.01	Q				
89+ 0	0.0000	1.08	Q					94+ 5	0.0000	1.01	Q				
89+ 5	0.0000	1.08	Q					94+10	0.0000	1.01	Q				
89+10	0.0000	1.08	Q					94+15	0.0000	1.01	Q				
89+15	0.0000	1.08	Q					94+20	0.0000	1.01	Q				
89+20	0.0000	1.08	Q					94+25	0.0000	1.01	Q				
89+25	0.0000	1.08	Q					94+30	0.0000	1.00	Q				
89+30	0.0000	1.08	Q					94+35	0.0000	1.00	Q				
89+35	0.0000	1.08	Q					94+40	0.0000	1.00	Q				
89+40	0.0000	1.07	Q					94+45	0.0000	1.00	Q				
89+45	0.0000	1.07	Q					94+50	0.0000	1.00	Q				
89+50	0.0000	1.07	Q					94+55	0.0000	1.00	Q				
89+55	0.0000	1.07	Q					95+ 0	0.0000	1.00	Q				
90+ 0	0.0000	1.07	Q					95+ 5	0.0000	1.00	Q				
90+ 5	0.0000	1.07	Q					95+10	0.0000	1.00	Q				
90+10	0.0000	1.07	Q					95+15	0.0000	0.99	Q				
90+15	0.0000	1.07	Q					95+20	0.0000	0.99	Q				
90+20	0.0000	1.06	Q					95+25	0.0000	0.99	Q				
90+25	0.0000	1.06	Q					95+30	0.0000	0.99	Q				
90+30	0.0000	1.06	Q					95+35	0.0000	0.99	Q				
90+35	0.0000	1.06	Q					95+40	0.0000	0.99	Q				
90+40	0.0000	1.06	Q					95+45	0.0000	0.99	Q				
90+45	0.0000	1.06	Q					95+50	0.0000	0.99	Q				
90+50	0.0000	1.06	Q					95+55	0.0000	0.98	Q				
90+55	0.0000	1.06	Q					96+ 0	0.0000	0.98	Q				
91+ 0	0.0000	1.05	Q					96+ 5	0.0000	0.98	Q				
91+ 5	0.0000	1.05	Q					96+10	0.0000	0.98	Q				
91+10	0.0000	1.05	Q					96+15	0.0000	0.98	Q				
91+15	0.0000	1.05	Q					96+20	0.0000	0.98	Q				
91+20	0.0000	1.05	Q					96+25	0.0000	0.98	Q				
91+25	0.0000	1.05	Q					96+30	0.0000	0.98	Q				
91+30	0.0000	1.05	Q					96+35	0.0000	0.98	Q				
91+35	0.0000	1.05	Q					96+40	0.0000	0.97	Q				
91+40	0.0000	1.04	Q					96+45	0.0000	0.97	Q				
91+45	0.0000	1.04	Q					96+50	0.0000	0.97	Q				
91+50	0.0000	1.04	Q					96+55	0.0000	0.97	Q				
91+55	0.0000	1.04	Q					97+ 0	0.0000	0.97	Q				
92+ 0	0.0000	1.04	Q					97+ 5	0.0000	0.97	Q				
92+ 5	0.0000	1.04	Q					97+10	0.0000	0.97	Q				
92+10	0.0000	1.04	Q					97+15	0.0000	0.97	Q				
92+15	0.0000	1.04	Q					97+20	0.0000	0.97	Q				

97+25	0.0000	0.96	Q					102+30	0.0000	0.89	Q				
97+30	0.0000	0.96	Q					102+35	0.0000	0.88	Q				
97+35	0.0000	0.96	Q					102+40	0.0000	0.88	Q				
97+40	0.0000	0.96	Q					102+45	0.0000	0.88	Q				
97+45	0.0000	0.96	Q					102+50	0.0000	0.88	Q				
97+50	0.0000	0.96	Q					102+55	0.0000	0.88	Q				
97+55	0.0000	0.96	Q					103+ 0	0.0000	0.88	Q				
98+ 0	0.0000	0.96	Q					103+ 5	0.0000	0.88	Q				
98+ 5	0.0000	0.96	Q					103+10	0.0000	0.87	Q				
98+10	0.0000	0.95	Q					103+15	0.0000	0.87	Q				
98+15	0.0000	0.95	Q					103+20	0.0000	0.87	Q				
98+20	0.0000	0.95	Q					103+25	0.0000	0.87	Q				
98+25	0.0000	0.95	Q					103+30	0.0000	0.87	Q				
98+30	0.0000	0.95	Q					103+35	0.0000	0.87	Q				
98+35	0.0000	0.95	Q					103+40	0.0000	0.87	Q				
98+40	0.0000	0.95	Q					103+45	0.0000	0.86	Q				
98+45	0.0000	0.95	Q					103+50	0.0000	0.86	Q				
98+50	0.0000	0.95	Q					103+55	0.0000	0.86	Q				
98+55	0.0000	0.94	Q					104+ 0	0.0000	0.86	Q				
99+ 0	0.0000	0.94	Q					104+ 5	0.0000	0.86	Q				
99+ 5	0.0000	0.94	Q					104+10	0.0000	0.86	Q				
99+10	0.0000	0.94	Q					104+15	0.0000	0.86	Q				
99+15	0.0000	0.94	Q					104+20	0.0000	0.85	Q				
99+20	0.0000	0.94	Q					104+25	0.0000	0.85	Q				
99+25	0.0000	0.94	Q					104+30	0.0000	0.85	Q				
99+30	0.0000	0.94	Q					104+35	0.0000	0.85	Q				
99+35	0.0000	0.94	Q					104+40	0.0000	0.85	Q				
99+40	0.0000	0.93	Q					104+45	0.0000	0.85	Q				
99+45	0.0000	0.93	Q					104+50	0.0000	0.85	Q				
99+50	0.0000	0.93	Q					104+55	0.0000	0.84	Q				
99+55	0.0000	0.93	Q					105+ 0	0.0000	0.84	Q				
100+ 0	0.0000	0.93	Q					105+ 5	0.0000	0.84	Q				
100+ 5	0.0000	0.93	Q					105+10	0.0000	0.84	Q				
100+10	0.0000	0.93	Q					105+15	0.0000	0.84	Q				
100+15	0.0000	0.93	Q					105+20	0.0000	0.84	Q				
100+20	0.0000	0.92	Q					105+25	0.0000	0.84	Q				
100+25	0.0000	0.92	Q					105+30	0.0000	0.83	Q				
100+30	0.0000	0.92	Q					105+35	0.0000	0.83	Q				
100+35	0.0000	0.92	Q					105+40	0.0000	0.83	Q				
100+40	0.0000	0.92	Q					105+45	0.0000	0.83	Q				
100+45	0.0000	0.92	Q					105+50	0.0000	0.83	Q				
100+50	0.0000	0.92	Q					105+55	0.0000	0.83	Q				
100+55	0.0000	0.91	Q					106+ 0	0.0000	0.83	Q				
101+ 0	0.0000	0.91	Q					106+ 5	0.0000	0.82	Q				
101+ 5	0.0000	0.91	Q					106+10	0.0000	0.82	Q				
101+10	0.0000	0.91	Q					106+15	0.0000	0.82	Q				
101+15	0.0000	0.91	Q					106+20	0.0000	0.82	Q				
101+20	0.0000	0.91	Q					106+25	0.0000	0.82	Q				
101+25	0.0000	0.90	Q					106+30	0.0000	0.82	Q				
101+30	0.0000	0.90	Q					106+35	0.0000	0.82	Q				
101+35	0.0000	0.90	Q					106+40	0.0000	0.81	Q				
101+40	0.0000	0.90	Q					106+45	0.0000	0.81	Q				
101+45	0.0000	0.90	Q					106+50	0.0000	0.81	Q				
101+50	0.0000	0.90	Q					106+55	0.0000	0.81	Q				
101+55	0.0000	0.90	Q					107+ 0	0.0000	0.81	Q				
102+ 0	0.0000	0.89	Q					107+ 5	0.0000	0.81	Q				
102+ 5	0.0000	0.89	Q					107+10	0.0000	0.81	Q				
102+10	0.0000	0.89	Q					107+15	0.0000	0.81	Q				
102+15	0.0000	0.89	Q					107+20	0.0000	0.80	Q				
102+20	0.0000	0.89	Q					107+25	0.0000	0.80	Q				
102+25	0.0000	0.89	Q					107+30	0.0000	0.80	Q				

107+35	0.0000	0.80	Q					112+40	0.0000	0.72	Q				
107+40	0.0000	0.80	Q					112+45	0.0000	0.72	Q				
107+45	0.0000	0.80	Q					112+50	0.0000	0.72	Q				
107+50	0.0000	0.80	Q					112+55	0.0000	0.72	Q				
107+55	0.0000	0.79	Q					113+ 0	0.0000	0.72	Q				
108+ 0	0.0000	0.79	Q					113+ 5	0.0000	0.71	Q				
108+ 5	0.0000	0.79	Q					113+10	0.0000	0.71	Q				
108+10	0.0000	0.79	Q					113+15	0.0000	0.71	Q				
108+15	0.0000	0.79	Q					113+20	0.0000	0.71	Q				
108+20	0.0000	0.79	Q					113+25	0.0000	0.71	Q				
108+25	0.0000	0.79	Q					113+30	0.0000	0.70	Q				
108+30	0.0000	0.79	Q					113+35	0.0000	0.70	Q				
108+35	0.0000	0.78	Q					113+40	0.0000	0.70	Q				
108+40	0.0000	0.78	Q					113+45	0.0000	0.70	Q				
108+45	0.0000	0.78	Q					113+50	0.0000	0.69	Q				
108+50	0.0000	0.78	Q					113+55	0.0000	0.69	Q				
108+55	0.0000	0.78	Q					114+ 0	0.0000	0.69	Q				
109+ 0	0.0000	0.78	Q					114+ 5	0.0000	0.69	Q				
109+ 5	0.0000	0.78	Q					114+10	0.0000	0.69	Q				
109+10	0.0000	0.78	Q					114+15	0.0000	0.68	Q				
109+15	0.0000	0.77	Q					114+20	0.0000	0.68	Q				
109+20	0.0000	0.77	Q					114+25	0.0000	0.68	Q				
109+25	0.0000	0.77	Q					114+30	0.0000	0.68	Q				
109+30	0.0000	0.77	Q					114+35	0.0000	0.67	Q				
109+35	0.0000	0.77	Q					114+40	0.0000	0.67	Q				
109+40	0.0000	0.77	Q					114+45	0.0000	0.67	Q				
109+45	0.0000	0.77	Q					114+50	0.0000	0.67	Q				
109+50	0.0000	0.77	Q					114+55	0.0000	0.67	Q				
109+55	0.0000	0.76	Q					115+ 0	0.0000	0.66	Q				
110+ 0	0.0000	0.76	Q					115+ 5	0.0000	0.66	Q				
110+ 5	0.0000	0.76	Q					115+10	0.0000	0.66	Q				
110+10	0.0000	0.76	Q					115+15	0.0000	0.66	Q				
110+15	0.0000	0.76	Q					115+20	0.0000	0.66	Q				
110+20	0.0000	0.76	Q					115+25	0.0000	0.65	Q				
110+25	0.0000	0.76	Q					115+30	0.0000	0.65	Q				
110+30	0.0000	0.76	Q					115+35	0.0000	0.65	Q				
110+35	0.0000	0.75	Q					115+40	0.0000	0.65	Q				
110+40	0.0000	0.75	Q					115+45	0.0000	0.64	Q				
110+45	0.0000	0.75	Q					115+50	0.0000	0.64	Q				
110+50	0.0000	0.75	Q					115+55	0.0000	0.64	Q				
110+55	0.0000	0.75	Q					116+ 0	0.0000	0.64	Q				
111+ 0	0.0000	0.75	Q					116+ 5	0.0000	0.64	Q				
111+ 5	0.0000	0.75	Q					116+10	0.0000	0.63	Q				
111+10	0.0000	0.75	Q					116+15	0.0000	0.63	Q				
111+15	0.0000	0.74	Q					116+20	0.0000	0.63	Q				
111+20	0.0000	0.74	Q					116+25	0.0000	0.63	Q				
111+25	0.0000	0.74	Q					116+30	0.0000	0.63	Q				
111+30	0.0000	0.74	Q					116+35	0.0000	0.62	Q				
111+35	0.0000	0.74	Q					116+40	0.0000	0.62	Q				
111+40	0.0000	0.74	Q					116+45	0.0000	0.62	Q				
111+45	0.0000	0.74	Q					116+50	0.0000	0.62	Q				
111+50	0.0000	0.74	Q					116+55	0.0000	0.62	Q				
111+55	0.0000	0.73	Q					117+ 0	0.0000	0.61	Q				
112+ 0	0.0000	0.73	Q					117+ 5	0.0000	0.61	Q				
112+ 5	0.0000	0.73	Q					117+10	0.0000	0.61	Q				
112+10	0.0000	0.73	Q					117+15	0.0000	0.61	Q				
112+15	0.0000	0.73	Q					117+20	0.0000	0.61	Q				
112+20	0.0000	0.73	Q					117+25	0.0000	0.60	Q				
112+25	0.0000	0.73	Q					117+30	0.0000	0.60	Q				
112+30	0.0000	0.73	Q					117+35	0.0000	0.60	Q				
112+35	0.0000	0.72	Q					117+40	0.0000	0.60	Q				

117+45	0.0000	0.60	Q					122+50	0.0000	0.49	Q				
117+50	0.0000	0.60	Q					122+55	0.0000	0.49	Q				
117+55	0.0000	0.59	Q					123+ 0	0.0000	0.49	Q				
118+ 0	0.0000	0.59	Q					123+ 5	0.0000	0.49	Q				
118+ 5	0.0000	0.59	Q					123+10	0.0000	0.48	Q				
118+10	0.0000	0.59	Q					123+15	0.0000	0.48	Q				
118+15	0.0000	0.59	Q					123+20	0.0000	0.48	Q				
118+20	0.0000	0.58	Q					123+25	0.0000	0.48	Q				
118+25	0.0000	0.58	Q					123+30	0.0000	0.48	Q				
118+30	0.0000	0.58	Q					123+35	0.0000	0.48	Q				
118+35	0.0000	0.58	Q					123+40	0.0000	0.48	Q				
118+40	0.0000	0.58	Q					123+45	0.0000	0.47	Q				
118+45	0.0000	0.57	Q					123+50	0.0000	0.47	Q				
118+50	0.0000	0.57	Q					123+55	0.0000	0.47	Q				
118+55	0.0000	0.57	Q					124+ 0	0.0000	0.47	Q				
119+ 0	0.0000	0.57	Q					124+ 5	0.0000	0.47	Q				
119+ 5	0.0000	0.57	Q					124+10	0.0000	0.47	Q				
119+10	0.0000	0.57	Q					124+15	0.0000	0.47	Q				
119+15	0.0000	0.56	Q					124+20	0.0000	0.46	Q				
119+20	0.0000	0.56	Q					124+25	0.0000	0.46	Q				
119+25	0.0000	0.56	Q					124+30	0.0000	0.46	Q				
119+30	0.0000	0.56	Q					124+35	0.0000	0.46	Q				
119+35	0.0000	0.56	Q					124+40	0.0000	0.46	Q				
119+40	0.0000	0.55	Q					124+45	0.0000	0.46	Q				
119+45	0.0000	0.55	Q					124+50	0.0000	0.45	Q				
119+50	0.0000	0.55	Q					124+55	0.0000	0.45	Q				
119+55	0.0000	0.55	Q					125+ 0	0.0000	0.45	Q				
120+ 0	0.0000	0.55	Q					125+ 5	0.0000	0.45	Q				
120+ 5	0.0000	0.55	Q					125+10	0.0000	0.45	Q				
120+10	0.0000	0.54	Q					125+15	0.0000	0.45	Q				
120+15	0.0000	0.54	Q					125+20	0.0000	0.45	Q				
120+20	0.0000	0.54	Q					125+25	0.0000	0.44	Q				
120+25	0.0000	0.54	Q					125+30	0.0000	0.44	Q				
120+30	0.0000	0.54	Q					125+35	0.0000	0.44	Q				
120+35	0.0000	0.54	Q					125+40	0.0000	0.44	Q				
120+40	0.0000	0.53	Q					125+45	0.0000	0.44	Q				
120+45	0.0000	0.53	Q					125+50	0.0000	0.44	Q				
120+50	0.0000	0.53	Q					125+55	0.0000	0.44	Q				
120+55	0.0000	0.53	Q					126+ 0	0.0000	0.43	Q				
121+ 0	0.0000	0.53	Q					126+ 5	0.0000	0.43	Q				
121+ 5	0.0000	0.53	Q					126+10	0.0000	0.43	Q				
121+10	0.0000	0.52	Q					126+15	0.0000	0.43	Q				
121+15	0.0000	0.52	Q					126+20	0.0000	0.43	Q				
121+20	0.0000	0.52	Q					126+25	0.0000	0.43	Q				
121+25	0.0000	0.52	Q					126+30	0.0000	0.43	Q				
121+30	0.0000	0.52	Q					126+35	0.0000	0.43	Q				
121+35	0.0000	0.52	Q					126+40	0.0000	0.42	Q				
121+40	0.0000	0.51	Q					126+45	0.0000	0.42	Q				
121+45	0.0000	0.51	Q					126+50	0.0000	0.42	Q				
121+50	0.0000	0.51	Q					126+55	0.0000	0.42	Q				
121+55	0.0000	0.51	Q					127+ 0	0.0000	0.42	Q				
122+ 0	0.0000	0.51	Q					127+ 5	0.0000	0.42	Q				
122+ 5	0.0000	0.51	Q					127+10	0.0000	0.42	Q				
122+10	0.0000	0.50	Q					127+15	0.0000	0.41	Q				
122+15	0.0000	0.50	Q					127+20	0.0000	0.41	Q				
122+20	0.0000	0.50	Q					127+25	0.0000	0.41	Q				
122+25	0.0000	0.50	Q					127+30	0.0000	0.41	Q				
122+30	0.0000	0.50	Q					127+35	0.0000	0.41	Q				
122+35	0.0000	0.50	Q					127+40	0.0000	0.41	Q				
122+40	0.0000	0.49	Q					127+45	0.0000	0.41	Q				
122+45	0.0000	0.49	Q					127+50	0.0000	0.41	Q				

127+55	0.0000	0.40	Q					133+ 0	0.0000	0.23	Q				
128+ 0	0.0000	0.40	Q					133+ 5	0.0000	0.22	Q				
128+ 5	0.0000	0.40	Q					133+10	0.0000	0.22	Q				
128+10	0.0000	0.40	Q					133+15	0.0000	0.22	Q				
128+15	0.0000	0.40	Q					133+20	0.0000	0.22	Q				
128+20	0.0000	0.39	Q					133+25	0.0000	0.22	Q				
128+25	0.0000	0.39	Q					133+30	0.0000	0.21	Q				
128+30	0.0000	0.38	Q					133+35	0.0000	0.21	Q				
128+35	0.0000	0.38	Q					133+40	0.0000	0.21	Q				
128+40	0.0000	0.38	Q					133+45	0.0000	0.21	Q				
128+45	0.0000	0.37	Q					133+50	0.0000	0.20	Q				
128+50	0.0000	0.37	Q					133+55	0.0000	0.20	Q				
128+55	0.0000	0.37	Q					134+ 0	0.0000	0.20	Q				
129+ 0	0.0000	0.36	Q					134+ 5	0.0000	0.20	Q				
129+ 5	0.0000	0.36	Q					134+10	0.0000	0.20	Q				
129+10	0.0000	0.36	Q					134+15	0.0000	0.19	Q				
129+15	0.0000	0.35	Q					134+20	0.0000	0.19	Q				
129+20	0.0000	0.35	Q					134+25	0.0000	0.19	Q				
129+25	0.0000	0.35	Q					134+30	0.0000	0.19	Q				
129+30	0.0000	0.34	Q					134+35	0.0000	0.19	Q				
129+35	0.0000	0.34	Q					134+40	0.0000	0.19	Q				
129+40	0.0000	0.34	Q					134+45	0.0000	0.18	Q				
129+45	0.0000	0.33	Q					134+50	0.0000	0.18	Q				
129+50	0.0000	0.33	Q					134+55	0.0000	0.18	Q				
129+55	0.0000	0.33	Q					135+ 0	0.0000	0.18	Q				
130+ 0	0.0000	0.32	Q					135+ 5	0.0000	0.18	Q				
130+ 5	0.0000	0.32	Q					135+10	0.0000	0.17	Q				
130+10	0.0000	0.32	Q					135+15	0.0000	0.17	Q				
130+15	0.0000	0.31	Q					135+20	0.0000	0.17	Q				
130+20	0.0000	0.31	Q					135+25	0.0000	0.17	Q				
130+25	0.0000	0.31	Q					135+30	0.0000	0.17	Q				
130+30	0.0000	0.30	Q					135+35	0.0000	0.17	Q				
130+35	0.0000	0.30	Q					135+40	0.0000	0.16	Q				
130+40	0.0000	0.30	Q					135+45	0.0000	0.16	Q				
130+45	0.0000	0.29	Q					135+50	0.0000	0.16	Q				
130+50	0.0000	0.29	Q					135+55	0.0000	0.16	Q				
130+55	0.0000	0.29	Q					136+ 0	0.0000	0.16	Q				
131+ 0	0.0000	0.29	Q					136+ 5	0.0000	0.16	Q				
131+ 5	0.0000	0.28	Q					136+10	0.0000	0.16	Q				
131+10	0.0000	0.28	Q					136+15	0.0000	0.15	Q				
131+15	0.0000	0.28	Q					136+20	0.0000	0.15	Q				
131+20	0.0000	0.28	Q					136+25	0.0000	0.15	Q				
131+25	0.0000	0.27	Q					136+30	0.0000	0.15	Q				
131+30	0.0000	0.27	Q					136+35	0.0000	0.15	Q				
131+35	0.0000	0.27	Q					136+40	0.0000	0.15	Q				
131+40	0.0000	0.26	Q					136+45	0.0000	0.14	Q				
131+45	0.0000	0.26	Q					136+50	0.0000	0.14	Q				
131+50	0.0000	0.26	Q					136+55	0.0000	0.14	Q				
131+55	0.0000	0.26	Q					137+ 0	0.0000	0.14	Q				
132+ 0	0.0000	0.25	Q					137+ 5	0.0000	0.14	Q				
132+ 5	0.0000	0.25	Q					137+10	0.0000	0.14	Q				
132+10	0.0000	0.25	Q					137+15	0.0000	0.14	Q				
132+15	0.0000	0.25	Q					137+20	0.0000	0.14	Q				
132+20	0.0000	0.24	Q					137+25	0.0000	0.13	Q				
132+25	0.0000	0.24	Q					137+30	0.0000	0.13	Q				
132+30	0.0000	0.24	Q					137+35	0.0000	0.13	Q				
132+35	0.0000	0.24	Q					137+40	0.0000	0.13	Q				
132+40	0.0000	0.23	Q					137+45	0.0000	0.13	Q				
132+45	0.0000	0.23	Q					137+50	0.0000	0.13	Q				
132+50	0.0000	0.23	Q					137+55	0.0000	0.13	Q				
132+55	0.0000	0.23	Q					138+ 0	0.0000	0.12	Q				

```
 138+ 5       0.0000      0.12  Q         |         |         |         |
 138+10       0.0000      0.12  Q         |         |         |         |
 138+15       0.0000      0.12  Q         |         |         |         |
 138+20       0.0000      0.12  Q         |         |         |         |
 138+25       0.0000      0.12  Q         |         |         |         |
 138+30       0.0000      0.12  Q         |         |         |         |
 138+35       0.0000      0.12  Q         |         |         |         |
 138+40       0.0000      0.12  Q         |         |         |         |
 138+45       0.0000      0.11  Q         |         |         |         |
 138+50       0.0000      0.11  Q         |         |         |         |
 138+55       0.0000      0.11  Q         |         |         |         |
 139+ 0       0.0000      0.11  Q         |         |         |         |
 139+ 5       0.0000      0.11  Q         |         |         |         |
 139+10       0.0000      0.11  Q         |         |         |         |
 139+15       0.0000      0.11  Q         |         |         |         |
 139+20       0.0000      0.11  Q         |         |         |         |
 139+25       0.0000      0.11  Q         |         |         |         |
 139+30       0.0000      0.10  Q         |         |         |         |
 139+35       0.0000      0.10  Q         |         |         |         |
 139+40       0.0000      0.10  Q         |         |         |         |
 139+45       0.0000      0.10  Q         |         |         |         |
 139+50       0.0000      0.10  Q         |         |         |         |
 139+55       0.0000      0.10  Q         |         |         |         |
--------------------------------------------------------------------------

        ***************************HYDROGRAPH DATA**************************
                    Number of intervals =  2145
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      266.970 (CFS)
                    Total volume =     145.011 (Ac.Ft)
              Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ********************************************************************

        ------------------------------------------------------------------
```

ROUTING TO CP9
AREAS 9A, 9B, AND 9C
BASINS 6 AND 7

```
                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                    Study date: 02/15/24

----------------------------------------------------------------------


MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 3 HOUR
AREAS 9A, 9B & 9C
2/09/24
----------------------------------------------------------------------

Program License Serial Number 6406

----------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP9A1003100.rte
**************************HYDROGRAPH DATA**************************
                Number of intervals =    41
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       35.338 (CFS)
                Total volume =       3.184 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
**********************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.000 to Point/Station        9.100
**** RETARDING BASIN ROUTING ****
______________________________________________________________________


User entry of depth-outflow-storage data
----------------------------------------------------------------------
Total number of inflow hydrograph intervals = 41
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
----------------------------------------------------------------------
----------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
----------------------------------------------------------------------
----------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
----------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  0.500      0.052      0.310      0.051        0.053
  1.000      0.113      0.450      0.111        0.115
  1.500      0.184      0.560      0.182        0.186
  2.000      0.266      0.650      0.264        0.268
  2.500      0.360      0.730      0.357        0.363
  3.000      0.466      0.810      0.463        0.469
  3.500      0.586      0.870      0.583        0.589
  4.000      0.721      0.930      0.718        0.724
  4.500      0.881      0.990      0.878        0.884
  5.000      1.059      1.050      1.055        1.063
  5.500      1.247      1.100      1.243        1.251
  6.000      1.455      1.150      1.451        1.459
  6.500      1.685      1.190      1.681        1.689
  7.000      1.938      1.240      1.934        1.942
  7.500      2.218      1.280      2.214        2.222
  8.000      2.525      1.330      2.520        2.530
  8.500      2.868     13.380      2.822        2.914
  9.000      3.257     35.380      3.135        3.379
----------------------------------------------------------------------
                    Hydrograph Detention Basin Routing
----------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
----------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0       8.8   17.67   26.50   35.34 (Ft.)
 0.083    1.49    0.03      0.005  OI      |       |       |       |     0.05
 0.167    4.58    0.15      0.025  O   I   |       |       |       |     0.24
 0.250    5.07    0.32      0.057  O   I   |       |       |       |     0.54
 0.333    5.24    0.40      0.090  O   I   |       |       |       |     0.81
 0.417    6.25    0.47      0.127  O    I  |       |       |       |     1.10
 0.500    6.89    0.54      0.168  O     I |       |       |       |     1.39
 0.583    7.36    0.59      0.214  O     I |       |       |       |     1.68
 0.667    7.16    0.64      0.259  O     I |       |       |       |     1.96
 0.750    7.83    0.68      0.306  O      I|       |       |       |     2.21
 0.833    7.60    0.73      0.355  O     I |       |       |       |     2.47
 0.917    6.96    0.76      0.400  O     I |       |       |       |     2.69
 1.000    7.30    0.79      0.443  O     I |       |       |       |     2.89
 1.083    8.39    0.82      0.492  O      I|       |       |       |     3.11
 1.167    9.61    0.85      0.548  O       I       |       |       |     3.34
 1.250    9.90    0.88      0.609  O       I       |       |       |     3.59
 1.333    9.72    0.91      0.671  O       I       |       |       |     3.81
 1.417    9.98    0.93      0.732  O       |I      |       |       |     4.03
 1.500   11.61    0.96      0.800  O       | I     |       |       |     4.25
 1.583   11.86    0.99      0.874  O       | I     |       |       |     4.48
 1.667   11.59    1.01      0.948  O       | I     |       |       |     4.69
 1.750   13.03    1.04      1.026  O       |  I    |       |       |     4.91
 1.833   14.56    1.06      1.113  O       |    I  |       |       |     5.14
 1.917   14.19    1.09      1.205  O       |   I   |       |       |     5.39
 2.000   13.75    1.11      1.294  |O      |   I   |       |       |     5.61
 2.083   14.02    1.13      1.382  |O      |   I   |       |       |     5.82
 2.167   15.76    1.15      1.476  |O      |     I |       |       |     6.05
 2.250   19.86    1.17      1.591  |O      |       |I      |       |     6.30
 2.333   20.82    1.20      1.723  |O      |       | I     |       |     6.57
 2.417   21.78    1.22      1.861  |O      |       |  I    |       |     6.85
 2.500   30.57    1.25      2.033  |O      |       |       |  I    |     7.17
 2.583   35.10    1.29      2.250  |O      |       |       |     I|     7.55
 2.667   35.34    1.32      2.484  |O      |       |       |      I     7.93
 2.750   24.82    6.25      2.665  |    O  |       |     I |       |     8.20
 2.833   12.68    8.94      2.742  |       O  I    |       |       |     8.32
 2.917    9.23    9.38      2.754  |       O       |       |       |     8.33
 3.000    6.82    9.08      2.746  |     I O       |       |       |     8.32
 3.083    2.76    8.16      2.719  | I    O|       |       |       |     8.28
 3.167    0.67    6.77      2.680  I     O |       |       |       |     8.23
 3.250    0.18    5.40      2.641  I   O   |       |       |       |     8.17
 3.333    0.05    4.26      2.608  I  O    |       |       |       |     8.12
 3.417    0.01    3.34      2.582  I  O    |       |       |       |     8.08
```

3.500	0.00	2.62	2.562	I O					8.05	8.667	0.00	1.25	2.000	IO					7.11
3.583	0.00	2.06	2.546	IO					8.03	8.750	0.00	1.25	1.991	IO					7.09
3.667	0.00	1.61	2.533	IO					8.01	8.833	0.00	1.25	1.983	IO					7.08
3.750	0.00	1.33	2.523	IO					8.00	8.917	0.00	1.25	1.974	IO					7.06
3.833	0.00	1.33	2.514	IO					7.98	9.000	0.00	1.24	1.965	IO					7.05
3.917	0.00	1.33	2.505	IO					7.97	9.083	0.00	1.24	1.957	IO					7.03
4.000	0.00	1.33	2.495	IO					7.95	9.167	0.00	1.24	1.948	IO					7.02
4.083	0.00	1.32	2.486	IO					7.94	9.250	0.00	1.24	1.940	IO					7.00
4.167	0.00	1.32	2.477	IO					7.92	9.333	0.00	1.24	1.931	IO					6.99
4.250	0.00	1.32	2.468	IO					7.91	9.417	0.00	1.24	1.923	IO					6.97
4.333	0.00	1.32	2.459	IO					7.89	9.500	0.00	1.24	1.914	IO					6.95
4.417	0.00	1.32	2.450	IO					7.88	9.583	0.00	1.23	1.906	IO					6.94
4.500	0.00	1.32	2.441	IO					7.86	9.667	0.00	1.23	1.897	IO					6.92
4.583	0.00	1.31	2.432	IO					7.85	9.750	0.00	1.23	1.889	IO					6.90
4.667	0.00	1.31	2.423	IO					7.83	9.833	0.00	1.23	1.880	IO					6.89
4.750	0.00	1.31	2.414	IO					7.82	9.917	0.00	1.23	1.872	IO					6.87
4.833	0.00	1.31	2.405	IO					7.80	10.000	0.00	1.23	1.863	IO					6.85
4.917	0.00	1.31	2.396	IO					7.79	10.083	0.00	1.22	1.855	IO					6.84
5.000	0.00	1.31	2.387	IO					7.77	10.167	0.00	1.22	1.846	IO					6.82
5.083	0.00	1.31	2.378	IO					7.76	10.250	0.00	1.22	1.838	IO					6.80
5.167	0.00	1.30	2.369	IO					7.75	10.333	0.00	1.22	1.830	IO					6.79
5.250	0.00	1.30	2.360	IO					7.73	10.417	0.00	1.22	1.821	IO					6.77
5.333	0.00	1.30	2.351	IO					7.72	10.500	0.00	1.22	1.813	IO					6.75
5.417	0.00	1.30	2.342	IO					7.70	10.583	0.00	1.21	1.805	IO					6.74
5.500	0.00	1.30	2.333	IO					7.69	10.667	0.00	1.21	1.796	IO					6.72
5.583	0.00	1.30	2.324	IO					7.67	10.750	0.00	1.21	1.788	IO					6.70
5.667	0.00	1.30	2.315	IO					7.66	10.833	0.00	1.21	1.780	IO					6.69
5.750	0.00	1.29	2.306	IO					7.64	10.917	0.00	1.21	1.771	IO					6.67
5.833	0.00	1.29	2.297	IO					7.63	11.000	0.00	1.21	1.763	IO					6.65
5.917	0.00	1.29	2.288	IO					7.61	11.083	0.00	1.20	1.755	IO					6.64
6.000	0.00	1.29	2.279	IO					7.60	11.167	0.00	1.20	1.746	IO					6.62
6.083	0.00	1.29	2.270	IO					7.59	11.250	0.00	1.20	1.738	IO					6.60
6.167	0.00	1.29	2.262	IO					7.57	11.333	0.00	1.20	1.730	IO					6.59
6.250	0.00	1.29	2.253	IO					7.56	11.417	0.00	1.20	1.722	IO					6.57
6.333	0.00	1.28	2.244	IO					7.54	11.500	0.00	1.20	1.713	IO					6.56
6.417	0.00	1.28	2.235	IO					7.53	11.583	0.00	1.19	1.705	IO					6.54
6.500	0.00	1.28	2.226	IO					7.51	11.667	0.00	1.19	1.697	IO					6.52
6.583	0.00	1.28	2.217	IO					7.50	11.750	0.00	1.19	1.689	IO					6.51
6.667	0.00	1.28	2.209	IO					7.48	11.833	0.00	1.19	1.680	IO					6.49
6.750	0.00	1.28	2.200	IO					7.47	11.917	0.00	1.19	1.672	IO					6.47
6.833	0.00	1.28	2.191	IO					7.45	12.000	0.00	1.19	1.664	IO					6.45
6.917	0.00	1.27	2.182	IO					7.44	12.083	0.00	1.18	1.656	IO					6.44
7.000	0.00	1.27	2.173	IO					7.42	12.167	0.00	1.18	1.648	IO					6.42
7.083	0.00	1.27	2.165	IO					7.40	12.250	0.00	1.18	1.640	IO					6.40
7.167	0.00	1.27	2.156	IO					7.39	12.333	0.00	1.18	1.631	IO					6.38
7.250	0.00	1.27	2.147	IO					7.37	12.417	0.00	1.18	1.623	IO					6.37
7.333	0.00	1.27	2.138	IO					7.36	12.500	0.00	1.18	1.615	IO					6.35
7.417	0.00	1.27	2.130	IO					7.34	12.583	0.00	1.18	1.607	IO					6.33
7.500	0.00	1.27	2.121	IO					7.33	12.667	0.00	1.18	1.599	IO					6.31
7.583	0.00	1.26	2.112	IO					7.31	12.750	0.00	1.17	1.591	IO					6.30
7.667	0.00	1.26	2.104	IO					7.30	12.833	0.00	1.17	1.583	IO					6.28
7.750	0.00	1.26	2.095	IO					7.28	12.917	0.00	1.17	1.575	IO					6.26
7.833	0.00	1.26	2.086	IO					7.26	13.000	0.00	1.17	1.567	IO					6.24
7.917	0.00	1.26	2.077	IO					7.25	13.083	0.00	1.17	1.559	IO					6.23
8.000	0.00	1.26	2.069	IO					7.23	13.167	0.00	1.17	1.551	IO					6.21
8.083	0.00	1.26	2.060	IO					7.22	13.250	0.00	1.17	1.543	IO					6.19
8.167	0.00	1.26	2.051	IO					7.20	13.333	0.00	1.16	1.535	IO					6.17
8.250	0.00	1.25	2.043	IO					7.19	13.417	0.00	1.16	1.527	IO					6.16
8.333	0.00	1.25	2.034	IO					7.17	13.500	0.00	1.16	1.519	IO					6.14
8.417	0.00	1.25	2.026	IO					7.16	13.583	0.00	1.16	1.511	IO					6.12
8.500	0.00	1.25	2.017	IO					7.14	13.667	0.00	1.16	1.503	IO					6.10
8.583	0.00	1.25	2.008	IO					7.13	13.750	0.00	1.16	1.495	IO					6.09

13.833	0.00	1.16	1.487	IO	|	|	|	|	6.07	19.000	0.00	1.04	1.018	O	|	|	|	|	4.88
13.917	0.00	1.15	1.479	IO	|	|	|	|	6.05	19.083	0.00	1.03	1.010	O	|	|	|	|	4.86
14.000	0.00	1.15	1.471	IO	|	|	|	|	6.03	19.167	0.00	1.03	1.003	O	|	|	|	|	4.84
14.083	0.00	1.15	1.463	IO	|	|	|	|	6.02	19.250	0.00	1.03	0.996	O	|	|	|	|	4.82
14.167	0.00	1.15	1.455	IO	|	|	|	|	6.00	19.333	0.00	1.03	0.989	O	|	|	|	|	4.80
14.250	0.00	1.15	1.447	IO	|	|	|	|	5.98	19.417	0.00	1.02	0.982	O	|	|	|	|	4.78
14.333	0.00	1.15	1.439	IO	|	|	|	|	5.96	19.500	0.00	1.02	0.975	O	|	|	|	|	4.76
14.417	0.00	1.14	1.431	IO	|	|	|	|	5.94	19.583	0.00	1.02	0.968	O	|	|	|	|	4.74
14.500	0.00	1.14	1.423	IO	|	|	|	|	5.92	19.667	0.00	1.02	0.961	O	|	|	|	|	4.72
14.583	0.00	1.14	1.415	IO	|	|	|	|	5.91	19.750	0.00	1.01	0.954	O	|	|	|	|	4.71
14.667	0.00	1.14	1.408	IO	|	|	|	|	5.89	19.833	0.00	1.01	0.947	O	|	|	|	|	4.69
14.750	0.00	1.14	1.400	IO	|	|	|	|	5.87	19.917	0.00	1.01	0.940	O	|	|	|	|	4.67
14.833	0.00	1.13	1.392	IO	|	|	|	|	5.85	20.000	0.00	1.01	0.933	O	|	|	|	|	4.65
14.917	0.00	1.13	1.384	IO	|	|	|	|	5.83	20.083	0.00	1.01	0.926	O	|	|	|	|	4.63
15.000	0.00	1.13	1.376	IO	|	|	|	|	5.81	20.167	0.00	1.00	0.919	O	|	|	|	|	4.61
15.083	0.00	1.13	1.369	IO	|	|	|	|	5.79	20.250	0.00	1.00	0.912	O	|	|	|	|	4.59
15.167	0.00	1.13	1.361	IO	|	|	|	|	5.77	20.333	0.00	1.00	0.906	O	|	|	|	|	4.57
15.250	0.00	1.13	1.353	IO	|	|	|	|	5.75	20.417	0.00	1.00	0.899	O	|	|	|	|	4.55
15.333	0.00	1.12	1.345	IO	|	|	|	|	5.74	20.500	0.00	0.99	0.892	O	|	|	|	|	4.53
15.417	0.00	1.12	1.338	IO	|	|	|	|	5.72	20.583	0.00	0.99	0.885	O	|	|	|	|	4.51
15.500	0.00	1.12	1.330	IO	|	|	|	|	5.70	20.667	0.00	0.99	0.878	O	|	|	|	|	4.49
15.583	0.00	1.12	1.322	IO	|	|	|	|	5.68	20.750	0.00	0.99	0.871	O	|	|	|	|	4.47
15.667	0.00	1.12	1.314	IO	|	|	|	|	5.66	20.833	0.00	0.98	0.865	O	|	|	|	|	4.45
15.750	0.00	1.11	1.307	IO	|	|	|	|	5.64	20.917	0.00	0.98	0.858	O	|	|	|	|	4.43
15.833	0.00	1.11	1.299	IO	|	|	|	|	5.63	21.000	0.00	0.98	0.851	O	|	|	|	|	4.41
15.917	0.00	1.11	1.291	IO	|	|	|	|	5.61	21.083	0.00	0.98	0.844	O	|	|	|	|	4.39
16.000	0.00	1.11	1.284	IO	|	|	|	|	5.59	21.167	0.00	0.97	0.838	O	|	|	|	|	4.36
16.083	0.00	1.11	1.276	IO	|	|	|	|	5.57	21.250	0.00	0.97	0.831	O	|	|	|	|	4.34
16.167	0.00	1.11	1.269	IO	|	|	|	|	5.55	21.333	0.00	0.97	0.824	O	|	|	|	|	4.32
16.250	0.00	1.10	1.261	O	|	|	|	|	5.53	21.417	0.00	0.97	0.818	O	|	|	|	|	4.30
16.333	0.00	1.10	1.253	O	|	|	|	|	5.52	21.500	0.00	0.96	0.811	O	|	|	|	|	4.28
16.417	0.00	1.10	1.246	O	|	|	|	|	5.50	21.583	0.00	0.96	0.804	O	|	|	|	|	4.26
16.500	0.00	1.10	1.238	O	|	|	|	|	5.48	21.667	0.00	0.96	0.798	O	|	|	|	|	4.24
16.583	0.00	1.10	1.231	O	|	|	|	|	5.46	21.750	0.00	0.96	0.791	O	|	|	|	|	4.22
16.667	0.00	1.09	1.223	O	|	|	|	|	5.44	21.833	0.00	0.95	0.785	O	|	|	|	|	4.20
16.750	0.00	1.09	1.216	O	|	|	|	|	5.42	21.917	0.00	0.95	0.778	O	|	|	|	|	4.18
16.833	0.00	1.09	1.208	O	|	|	|	|	5.40	22.000	0.00	0.95	0.771	O	|	|	|	|	4.16
16.917	0.00	1.09	1.201	O	|	|	|	|	5.38	22.083	0.00	0.95	0.765	O	|	|	|	|	4.14
17.000	0.00	1.09	1.193	O	|	|	|	|	5.36	22.167	0.00	0.94	0.758	O	|	|	|	|	4.12
17.083	0.00	1.08	1.186	O	|	|	|	|	5.34	22.250	0.00	0.94	0.752	O	|	|	|	|	4.10
17.167	0.00	1.08	1.178	O	|	|	|	|	5.32	22.333	0.00	0.94	0.745	O	|	|	|	|	4.08
17.250	0.00	1.08	1.171	O	|	|	|	|	5.30	22.417	0.00	0.94	0.739	O	|	|	|	|	4.06
17.333	0.00	1.08	1.163	O	|	|	|	|	5.28	22.500	0.00	0.93	0.733	O	|	|	|	|	4.04
17.417	0.00	1.08	1.156	O	|	|	|	|	5.26	22.583	0.00	0.93	0.726	O	|	|	|	|	4.02
17.500	0.00	1.07	1.148	O	|	|	|	|	5.24	22.667	0.00	0.93	0.720	O	|	|	|	|	4.00
17.583	0.00	1.07	1.141	O	|	|	|	|	5.22	22.750	0.00	0.93	0.713	O	|	|	|	|	3.97
17.667	0.00	1.07	1.134	O	|	|	|	|	5.20	22.833	0.00	0.92	0.707	O	|	|	|	|	3.95
17.750	0.00	1.07	1.126	O	|	|	|	|	5.18	22.917	0.00	0.92	0.701	O	|	|	|	|	3.92
17.833	0.00	1.07	1.119	O	|	|	|	|	5.16	23.000	0.00	0.92	0.694	O	|	|	|	|	3.90
17.917	0.00	1.06	1.112	O	|	|	|	|	5.14	23.083	0.00	0.92	0.688	O	|	|	|	|	3.88
18.000	0.00	1.06	1.104	O	|	|	|	|	5.12	23.167	0.00	0.91	0.682	O	|	|	|	|	3.85
18.083	0.00	1.06	1.097	O	|	|	|	|	5.10	23.250	0.00	0.91	0.675	O	|	|	|	|	3.83
18.167	0.00	1.06	1.090	O	|	|	|	|	5.08	23.333	0.00	0.91	0.669	O	|	|	|	|	3.81
18.250	0.00	1.06	1.082	O	|	|	|	|	5.06	23.417	0.00	0.90	0.663	O	|	|	|	|	3.78
18.333	0.00	1.05	1.075	O	|	|	|	|	5.04	23.500	0.00	0.90	0.657	O	|	|	|	|	3.76
18.417	0.00	1.05	1.068	O	|	|	|	|	5.02	23.583	0.00	0.90	0.650	O	|	|	|	|	3.74
18.500	0.00	1.05	1.061	O	|	|	|	|	5.00	23.667	0.00	0.90	0.644	O	|	|	|	|	3.72
18.583	0.00	1.05	1.053	O	|	|	|	|	4.98	23.750	0.00	0.89	0.638	O	|	|	|	|	3.69
18.667	0.00	1.05	1.046	O	|	|	|	|	4.96	23.833	0.00	0.89	0.632	O	|	|	|	|	3.67
18.750	0.00	1.04	1.039	O	|	|	|	|	4.94	23.917	0.00	0.89	0.626	O	|	|	|	|	3.65
18.833	0.00	1.04	1.032	O	|	|	|	|	4.92	24.000	0.00	0.88	0.620	O	|	|	|	|	3.62
18.917	0.00	1.04	1.025	O	|	|	|	|	4.90	24.083	0.00	0.88	0.614	O	|	|	|	|	3.60

24.167	0.00	0.88	0.608	O	|	|	|	|	3.58	29.333	0.00	0.66	0.276	O	|	|	|	|	2.05
24.250	0.00	0.88	0.602	O	|	|	|	|	3.56	29.417	0.00	0.65	0.271	O	|	|	|	|	2.03
24.333	0.00	0.87	0.595	O	|	|	|	|	3.54	29.500	0.00	0.65	0.267	O	|	|	|	|	2.00
24.417	0.00	0.87	0.589	O	|	|	|	|	3.51	29.583	0.00	0.65	0.262	O	|	|	|	|	1.98
24.500	0.00	0.87	0.583	O	|	|	|	|	3.49	29.667	0.00	0.64	0.258	O	|	|	|	|	1.95
24.583	0.00	0.87	0.578	O	|	|	|	|	3.46	29.750	0.00	0.64	0.253	O	|	|	|	|	1.92
24.667	0.00	0.86	0.572	O	|	|	|	|	3.44	29.833	0.00	0.63	0.249	O	|	|	|	|	1.90
24.750	0.00	0.86	0.566	O	|	|	|	|	3.42	29.917	0.00	0.63	0.245	O	|	|	|	|	1.87
24.833	0.00	0.86	0.560	O	|	|	|	|	3.39	30.000	0.00	0.62	0.240	O	|	|	|	|	1.84
24.917	0.00	0.85	0.554	O	|	|	|	|	3.37	30.083	0.00	0.62	0.236	O	|	|	|	|	1.82
25.000	0.00	0.85	0.548	O	|	|	|	|	3.34	30.167	0.00	0.61	0.232	O	|	|	|	|	1.79
25.083	0.00	0.85	0.542	O	|	|	|	|	3.32	30.250	0.00	0.61	0.228	O	|	|	|	|	1.77
25.167	0.00	0.85	0.536	O	|	|	|	|	3.29	30.333	0.00	0.60	0.223	O	|	|	|	|	1.74
25.250	0.00	0.84	0.530	O	|	|	|	|	3.27	30.417	0.00	0.60	0.219	O	|	|	|	|	1.72
25.333	0.00	0.84	0.525	O	|	|	|	|	3.24	30.500	0.00	0.59	0.215	O	|	|	|	|	1.69
25.417	0.00	0.84	0.519	O	|	|	|	|	3.22	30.583	0.00	0.59	0.211	O	|	|	|	|	1.67
25.500	0.00	0.83	0.513	O	|	|	|	|	3.20	30.667	0.00	0.59	0.207	O	|	|	|	|	1.64
25.583	0.00	0.83	0.507	O	|	|	|	|	3.17	30.750	0.00	0.58	0.203	O	|	|	|	|	1.62
25.667	0.00	0.83	0.502	O	|	|	|	|	3.15	30.833	0.00	0.58	0.199	O	|	|	|	|	1.59
25.750	0.00	0.83	0.496	O	|	|	|	|	3.13	30.917	0.00	0.57	0.195	O	|	|	|	|	1.57
25.833	0.00	0.82	0.490	O	|	|	|	|	3.10	31.000	0.00	0.57	0.191	O	|	|	|	|	1.54
25.917	0.00	0.82	0.485	O	|	|	|	|	3.08	31.083	0.00	0.56	0.187	O	|	|	|	|	1.52
26.000	0.00	0.82	0.479	O	|	|	|	|	3.05	31.167	0.00	0.56	0.183	O	|	|	|	|	1.50
26.083	0.00	0.81	0.473	O	|	|	|	|	3.03	31.250	0.00	0.55	0.180	O	|	|	|	|	1.47
26.167	0.00	0.81	0.468	O	|	|	|	|	3.01	31.333	0.00	0.55	0.176	O	|	|	|	|	1.44
26.250	0.00	0.81	0.462	O	|	|	|	|	2.98	31.417	0.00	0.54	0.172	O	|	|	|	|	1.42
26.333	0.00	0.80	0.457	O	|	|	|	|	2.96	31.500	0.00	0.54	0.168	O	|	|	|	|	1.39
26.417	0.00	0.80	0.451	O	|	|	|	|	2.93	31.583	0.00	0.53	0.165	O	|	|	|	|	1.36
26.500	0.00	0.79	0.446	O	|	|	|	|	2.90	31.667	0.00	0.52	0.161	O	|	|	|	|	1.34
26.583	0.00	0.79	0.440	O	|	|	|	|	2.88	31.750	0.00	0.52	0.157	O	|	|	|	|	1.31
26.667	0.00	0.79	0.435	O	|	|	|	|	2.85	31.833	0.00	0.51	0.154	O	|	|	|	|	1.29
26.750	0.00	0.78	0.429	O	|	|	|	|	2.83	31.917	0.00	0.51	0.150	O	|	|	|	|	1.26
26.833	0.00	0.78	0.424	O	|	|	|	|	2.80	32.000	0.00	0.50	0.147	O	|	|	|	|	1.24
26.917	0.00	0.77	0.419	O	|	|	|	|	2.78	32.083	0.00	0.50	0.143	O	|	|	|	|	1.21
27.000	0.00	0.77	0.413	O	|	|	|	|	2.75	32.167	0.00	0.49	0.140	O	|	|	|	|	1.19
27.083	0.00	0.77	0.408	O	|	|	|	|	2.73	32.250	0.00	0.49	0.137	O	|	|	|	|	1.17
27.167	0.00	0.76	0.403	O	|	|	|	|	2.70	32.333	0.00	0.48	0.133	O	|	|	|	|	1.14
27.250	0.00	0.76	0.398	O	|	|	|	|	2.68	32.417	0.00	0.48	0.130	O	|	|	|	|	1.12
27.333	0.00	0.75	0.392	O	|	|	|	|	2.65	32.500	0.00	0.47	0.127	O	|	|	|	|	1.10
27.417	0.00	0.75	0.387	O	|	|	|	|	2.63	32.583	0.00	0.47	0.124	O	|	|	|	|	1.07
27.500	0.00	0.75	0.382	O	|	|	|	|	2.60	32.667	0.00	0.46	0.120	O	|	|	|	|	1.05
27.583	0.00	0.74	0.377	O	|	|	|	|	2.58	32.750	0.00	0.46	0.117	O	|	|	|	|	1.03
27.667	0.00	0.74	0.372	O	|	|	|	|	2.56	32.833	0.00	0.45	0.114	O	|	|	|	|	1.01
27.750	0.00	0.74	0.367	O	|	|	|	|	2.53	32.917	0.00	0.45	0.111	O	|	|	|	|	0.98
27.833	0.00	0.73	0.362	O	|	|	|	|	2.51	33.000	0.00	0.44	0.108	O	|	|	|	|	0.96
27.917	0.00	0.73	0.357	O	|	|	|	|	2.48	33.083	0.00	0.43	0.105	O	|	|	|	|	0.93
28.000	0.00	0.72	0.352	O	|	|	|	|	2.46	33.167	0.00	0.42	0.102	O	|	|	|	|	0.91
28.083	0.00	0.72	0.347	O	|	|	|	|	2.43	33.250	0.00	0.42	0.099	O	|	|	|	|	0.89
28.167	0.00	0.71	0.342	O	|	|	|	|	2.40	33.333	0.00	0.41	0.096	O	|	|	|	|	0.86
28.250	0.00	0.71	0.337	O	|	|	|	|	2.38	33.417	0.00	0.41	0.093	O	|	|	|	|	0.84
28.333	0.00	0.71	0.332	O	|	|	|	|	2.35	33.500	0.00	0.40	0.091	O	|	|	|	|	0.82
28.417	0.00	0.70	0.327	O	|	|	|	|	2.33	33.583	0.00	0.39	0.088	O	|	|	|	|	0.79
28.500	0.00	0.70	0.322	O	|	|	|	|	2.30	33.667	0.00	0.39	0.085	O	|	|	|	|	0.77
28.583	0.00	0.69	0.318	O	|	|	|	|	2.27	33.750	0.00	0.38	0.083	O	|	|	|	|	0.75
28.667	0.00	0.69	0.313	O	|	|	|	|	2.25	33.833	0.00	0.37	0.080	O	|	|	|	|	0.73
28.750	0.00	0.69	0.308	O	|	|	|	|	2.22	33.917	0.00	0.37	0.077	O	|	|	|	|	0.71
28.833	0.00	0.68	0.303	O	|	|	|	|	2.20	34.000	0.00	0.36	0.075	O	|	|	|	|	0.69
28.917	0.00	0.68	0.299	O	|	|	|	|	2.17	34.083	0.00	0.36	0.072	O	|	|	|	|	0.67
29.000	0.00	0.67	0.294	O	|	|	|	|	2.15	34.167	0.00	0.35	0.070	O	|	|	|	|	0.65
29.083	0.00	0.67	0.289	O	|	|	|	|	2.12	34.250	0.00	0.35	0.068	O	|	|	|	|	0.63
29.167	0.00	0.67	0.285	O	|	|	|	|	2.10	34.333	0.00	0.34	0.065	O	|	|	|	|	0.61
29.250	0.00	0.66	0.280	O	|	|	|	|	2.08	34.417	0.00	0.34	0.063	O	|	|	|	|	0.59

34.500	0.00	0.33	0.061	O	|	|	|	|	0.57	39.667	0.00	0.03	0.005	O	|	|	|	|	0.05
34.583	0.00	0.32	0.058	O	|	|	|	|	0.55	39.750	0.00	0.03	0.005	O	|	|	|	|	0.04
34.667	0.00	0.32	0.056	O	|	|	|	|	0.53	39.833	0.00	0.03	0.004	O	|	|	|	|	0.04
34.750	0.00	0.31	0.054	O	|	|	|	|	0.52	39.917	0.00	0.03	0.004	O	|	|	|	|	0.04
34.833	0.00	0.31	0.052	O	|	|	|	|	0.50	40.000	0.00	0.02	0.004	O	|	|	|	|	0.04
34.917	0.00	0.30	0.050	O	|	|	|	|	0.48	40.083	0.00	0.02	0.004	O	|	|	|	|	0.04
35.000	0.00	0.28	0.048	O	|	|	|	|	0.46	40.167	0.00	0.02	0.004	O	|	|	|	|	0.04
35.083	0.00	0.27	0.046	O	|	|	|	|	0.44	40.250	0.00	0.02	0.004	O	|	|	|	|	0.03
35.167	0.00	0.26	0.044	O	|	|	|	|	0.42	40.333	0.00	0.02	0.003	O	|	|	|	|	0.03
35.250	0.00	0.25	0.042	O	|	|	|	|	0.41	40.417	0.00	0.02	0.003	O	|	|	|	|	0.03
35.333	0.00	0.24	0.041	O	|	|	|	|	0.39	40.500	0.00	0.02	0.003	O	|	|	|	|	0.03
35.417	0.00	0.23	0.039	O	|	|	|	|	0.37	40.583	0.00	0.02	0.003	O	|	|	|	|	0.03
35.500	0.00	0.22	0.037	O	|	|	|	|	0.36	40.667	0.00	0.02	0.003	O	|	|	|	|	0.03
35.583	0.00	0.21	0.036	O	|	|	|	|	0.34	40.750	0.00	0.02	0.003	O	|	|	|	|	0.03
35.667	0.00	0.21	0.034	O	|	|	|	|	0.33	40.833	0.00	0.02	0.003	O	|	|	|	|	0.03
35.750	0.00	0.20	0.033	O	|	|	|	|	0.32	40.917	0.00	0.02	0.003	O	|	|	|	|	0.02
35.833	0.00	0.19	0.032	O	|	|	|	|	0.30	41.000	0.00	0.01	0.002	O	|	|	|	|	0.02
35.917	0.00	0.18	0.030	O	|	|	|	|	0.29	41.083	0.00	0.01	0.002	O	|	|	|	|	0.02
36.000	0.00	0.17	0.029	O	|	|	|	|	0.28	41.167	0.00	0.01	0.002	O	|	|	|	|	0.02
36.083	0.00	0.17	0.028	O	|	|	|	|	0.27	41.250	0.00	0.01	0.002	O	|	|	|	|	0.02
36.167	0.00	0.16	0.027	O	|	|	|	|	0.26	41.333	0.00	0.01	0.002	O	|	|	|	|	0.02
36.250	0.00	0.15	0.026	O	|	|	|	|	0.25	41.417	0.00	0.01	0.002	O	|	|	|	|	0.02
36.333	0.00	0.15	0.025	O	|	|	|	|	0.24	41.500	0.00	0.01	0.002	O	|	|	|	|	0.02
36.417	0.00	0.14	0.024	O	|	|	|	|	0.23	41.583	0.00	0.01	0.002	O	|	|	|	|	0.02
36.500	0.00	0.14	0.023	O	|	|	|	|	0.22	41.667	0.00	0.01	0.002	O	|	|	|	|	0.02
36.583	0.00	0.13	0.022	O	|	|	|	|	0.21	41.750	0.00	0.01	0.002	O	|	|	|	|	0.02
36.667	0.00	0.13	0.021	O	|	|	|	|	0.20	41.833	0.00	0.01	0.002	O	|	|	|	|	0.02
36.750	0.00	0.12	0.020	O	|	|	|	|	0.19	41.917	0.00	0.01	0.002	O	|	|	|	|	0.02
36.833	0.00	0.12	0.019	O	|	|	|	|	0.19	42.000	0.00	0.01	0.002	O	|	|	|	|	0.01
36.917	0.00	0.11	0.019	O	|	|	|	|	0.18	42.083	0.00	0.01	0.001	O	|	|	|	|	0.01
37.000	0.00	0.11	0.018	O	|	|	|	|	0.17	42.167	0.00	0.01	0.001	O	|	|	|	|	0.01
37.083	0.00	0.10	0.017	O	|	|	|	|	0.16	42.250	0.00	0.01	0.001	O	|	|	|	|	0.01
37.167	0.00	0.10	0.016	O	|	|	|	|	0.16	42.333	0.00	0.01	0.001	O	|	|	|	|	0.01
37.250	0.00	0.09	0.016	O	|	|	|	|	0.15	42.417	0.00	0.01	0.001	O	|	|	|	|	0.01
37.333	0.00	0.09	0.015	O	|	|	|	|	0.15	42.500	0.00	0.01	0.001	O	|	|	|	|	0.01
37.417	0.00	0.09	0.015	O	|	|	|	|	0.14	42.583	0.00	0.01	0.001	O	|	|	|	|	0.01
37.500	0.00	0.08	0.014	O	|	|	|	|	0.13	42.667	0.00	0.01	0.001	O	|	|	|	|	0.01
37.583	0.00	0.08	0.013	O	|	|	|	|	0.13	42.750	0.00	0.01	0.001	O	|	|	|	|	0.01
37.667	0.00	0.08	0.013	O	|	|	|	|	0.12	42.833	0.00	0.01	0.001	O	|	|	|	|	0.01
37.750	0.00	0.07	0.012	O	|	|	|	|	0.12	42.917	0.00	0.01	0.001	O	|	|	|	|	0.01
37.833	0.00	0.07	0.012	O	|	|	|	|	0.11	43.000	0.00	0.01	0.001	O	|	|	|	|	0.01
37.917	0.00	0.07	0.011	O	|	|	|	|	0.11	43.083	0.00	0.01	0.001	O	|	|	|	|	0.01
38.000	0.00	0.06	0.011	O	|	|	|	|	0.10	43.167	0.00	0.01	0.001	O	|	|	|	|	0.01
38.083	0.00	0.06	0.010	O	|	|	|	|	0.10	43.250	0.00	0.00	0.001	O	|	|	|	|	0.01
38.167	0.00	0.06	0.010	O	|	|	|	|	0.10	43.333	0.00	0.00	0.001	O	|	|	|	|	0.01
38.250	0.00	0.06	0.010	O	|	|	|	|	0.09	43.417	0.00	0.00	0.001	O	|	|	|	|	0.01
38.333	0.00	0.06	0.009	O	|	|	|	|	0.09	43.500	0.00	0.00	0.001	O	|	|	|	|	0.01
38.417	0.00	0.05	0.009	O	|	|	|	|	0.09	43.583	0.00	0.00	0.001	O	|	|	|	|	0.01
38.500	0.00	0.05	0.009	O	|	|	|	|	0.08	43.667	0.00	0.00	0.001	O	|	|	|	|	0.01
38.583	0.00	0.05	0.008	O	|	|	|	|	0.08	43.750	0.00	0.00	0.001	O	|	|	|	|	0.01
38.667	0.00	0.05	0.008	O	|	|	|	|	0.08	43.833	0.00	0.00	0.001	O	|	|	|	|	0.01
38.750	0.00	0.04	0.008	O	|	|	|	|	0.07	43.917	0.00	0.00	0.001	O	|	|	|	|	0.01
38.833	0.00	0.04	0.007	O	|	|	|	|	0.07	44.000	0.00	0.00	0.001	O	|	|	|	|	0.01
38.917	0.00	0.04	0.007	O	|	|	|	|	0.07	44.083	0.00	0.00	0.001	O	|	|	|	|	0.01
39.000	0.00	0.04	0.007	O	|	|	|	|	0.06	44.167	0.00	0.00	0.001	O	|	|	|	|	0.01
39.083	0.00	0.04	0.006	O	|	|	|	|	0.06	44.250	0.00	0.00	0.001	O	|	|	|	|	0.00
39.167	0.00	0.04	0.006	O	|	|	|	|	0.06	44.333	0.00	0.00	0.000	O	|	|	|	|	0.00
39.250	0.00	0.04	0.006	O	|	|	|	|	0.06	44.417	0.00	0.00	0.000	O	|	|	|	|	0.00
39.333	0.00	0.03	0.006	O	|	|	|	|	0.05	44.500	0.00	0.00	0.000	O	|	|	|	|	0.00
39.417	0.00	0.03	0.005	O	|	|	|	|	0.05	44.583	0.00	0.00	0.000	O	|	|	|	|	0.00
39.500	0.00	0.03	0.005	O	|	|	|	|	0.05	44.667	0.00	0.00	0.000	O	|	|	|	|	0.00
39.583	0.00	0.03	0.005	O	|	|	|	|	0.05	44.750	0.00	0.00	0.000	O	|	|	|	|	0.00

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44.833    0.00    0.00      0.000  O       |       |       |       |     0.00
44.917    0.00    0.00      0.000  O       |       |       |       |     0.00
45.000    0.00    0.00      0.000  O       |       |       |       |     0.00
45.083    0.00    0.00      0.000  O       |       |       |       |     0.00
45.167    0.00    0.00      0.000  O       |       |       |       |     0.00
45.250    0.00    0.00      0.000  O       |       |       |       |     0.00
45.333    0.00    0.00      0.000  O       |       |       |       |     0.00
45.417    0.00    0.00      0.000  O       |       |       |       |     0.00
45.500    0.00    0.00      0.000  O       |       |       |       |     0.00
45.583    0.00    0.00      0.000  O       |       |       |       |     0.00
45.667    0.00    0.00      0.000  O       |       |       |       |     0.00
45.750    0.00    0.00      0.000  O       |       |       |       |     0.00
45.833    0.00    0.00      0.000  O       |       |       |       |     0.00
45.917    0.00    0.00      0.000  O       |       |       |       |     0.00
46.000    0.00    0.00      0.000  O       |       |       |       |     0.00
46.083    0.00    0.00      0.000  O       |       |       |       |     0.00
46.167    0.00    0.00      0.000  O       |       |       |       |     0.00
46.250    0.00    0.00      0.000  O       |       |       |       |     0.00
46.333    0.00    0.00      0.000  O       |       |       |       |     0.00
46.417    0.00    0.00      0.000  O       |       |       |       |     0.00
46.500    0.00    0.00      0.000  O       |       |       |       |     0.00

****************************HYDROGRAPH DATA****************************
                Number of intervals =   558
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        9.377 (CFS)
                Total volume =       3.184 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
**********************************************************************

----------------------------------------------------------------------


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Process from Point/Station        9.100 to Point/Station        9.200
**** STREAM ROUTING SCS CONVEX METHOD ****
______________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    558.00 (Ft.)
Elevation difference =    5.60 (Ft.)
Slope of channel =  0.010036 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   558.00(Ft.)   Elevation difference =   5.60(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     2.089(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     2.089(CFS)
Normal flow depth in pipe =    6.60(In.)
Flow top width inside pipe =   11.94(In.)
Critical Depth =    0.62(Ft.)
Pipe flow velocity =      4.72(Ft/s)
Travel time through pipe =    1.97 min.


Pipe length  =   558.00(Ft.)   Elevation difference =   5.60(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =     9.377(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     9.377(CFS)
Normal flow depth in pipe =   13.24(In.)
Flow top width inside pipe =   15.87(In.)
Critical Depth =    1.18(Ft.)
Pipe flow velocity =      6.73(Ft/s)
Travel time through pipe =    1.38 min.


********************** SCS CONVEX CHANNEL ROUTING ********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.7984   Travel time =   1.38 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   3.3551
        dt(routing time-step) =   1.10 (min.),   c* =   0.9954

Output hydrograph delayed by 0  unit time increments


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                    P R I N T  O F  S T O R M
                  R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
                Hydrograph in   5   Minute intervals (CFS)
------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        2.3       4.7       7.0       9.4
------------------------------------------------------------------------
  0+ 5       0.0233      0.03  O       |         |         |         |
  0+10       0.1238      0.15  O       |         |         |         |
  0+15       0.2830      0.32  |O       |         |         |         |
  0+20       0.3800      0.40  |O       |         |         |         |
  0+25       0.4544      0.47  |OI      |         |         |         |
  0+30       0.5211      0.54  | O      |         |         |         |
  0+35       0.5796      0.59  | O      |         |         |         |
  0+40       0.6313      0.64  | O      |         |         |         |
  0+45       0.6749      0.68  | O      |         |         |         |
  0+50       0.7161      0.73  |  O     |         |         |         |
  0+55       0.7521      0.76  |  O     |         |         |         |
  1+ 0       0.7855      0.79  |  O     |         |         |         |
  1+ 5       0.8161      0.82  |  O     |         |         |         |
  1+10       0.8447      0.85  |  O     |         |         |         |
  1+15       0.8737      0.88  |  O     |         |         |         |
  1+20       0.9015      0.91  |  O     |         |         |         |
  1+25       0.9282      0.93  |  O     |         |         |         |
  1+30       0.9539      0.96  |   O    |         |         |         |
  1+35       0.9811      0.99  |   O    |         |         |         |
  1+40       1.0069      1.01  |   O    |         |         |         |
  1+45       1.0329      1.04  |   O    |         |         |         |
  1+50       1.0587      1.06  |   O    |         |         |         |
  1+55       1.0833      1.09  |   O    |         |         |         |
  2+ 0       1.1062      1.11  |   O    |         |         |         |
  2+ 5       1.1276      1.13  |   O    |         |         |         |
  2+10       1.1489      1.15  |   O    |         |         |         |
  2+15       1.1691      1.17  |   OI   |         |         |         |
  2+20       1.1921      1.20  |    O   |         |         |         |
  2+25       1.2187      1.22  |    O   |         |         |         |
  2+30       1.2471      1.25  |    O   |         |         |         |
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2+35	1.2781	1.29	O						7+45	1.2627	1.26	O						
2+40	1.3147	1.32	O						7+50	1.2614	1.26	O						
2+45	5.1419	6.25			O I				7+55	1.2602	1.26	O						
2+50	8.3336	8.94				O I			8+ 0	1.2590	1.26	O						
2+55	9.2772	9.38				O			8+ 5	1.2577	1.26	O						
3+ 0	9.1500	9.08				IO			8+10	1.2565	1.26	O						
3+ 5	8.3657	8.16				IO			8+15	1.2553	1.25	O						
3+10	7.0798	6.77			I O				8+20	1.2540	1.25	O						
3+15	5.7066	5.40			IO				8+25	1.2528	1.25	O						
3+20	4.5142	4.26		IO					8+30	1.2516	1.25	O						
3+25	3.5497	3.34		IO					8+35	1.2503	1.25	O						
3+30	2.7853	2.62	O						8+40	1.2491	1.25	O						
3+35	2.1843	2.06		IO					8+45	1.2479	1.25	O						
3+40	1.7128	1.61	IO						8+50	1.2466	1.25	O						
3+45	1.3936	1.33	O						8+55	1.2454	1.25	O						
3+50	1.3288	1.33	O						9+ 0	1.2442	1.24	O						
3+55	1.3270	1.33	O						9+ 5	1.2430	1.24	O						
4+ 0	1.3255	1.33	O						9+10	1.2417	1.24	O						
4+ 5	1.3240	1.32	O						9+15	1.2405	1.24	O						
4+10	1.3226	1.32	O						9+20	1.2390	1.24	O						
4+15	1.3211	1.32	O						9+25	1.2374	1.24	O						
4+20	1.3196	1.32	O						9+30	1.2357	1.24	O						
4+25	1.3181	1.32	O						9+35	1.2340	1.23	O						
4+30	1.3166	1.32	O						9+40	1.2323	1.23	O						
4+35	1.3152	1.31	O						9+45	1.2306	1.23	O						
4+40	1.3137	1.31	O						9+50	1.2290	1.23	O						
4+45	1.3122	1.31	O						9+55	1.2273	1.23	O						
4+50	1.3107	1.31	O						10+ 0	1.2256	1.23	O						
4+55	1.3093	1.31	O						10+ 5	1.2240	1.22	O						
5+ 0	1.3078	1.31	O						10+10	1.2223	1.22	O						
5+ 5	1.3063	1.31	O						10+15	1.2206	1.22	O						
5+10	1.3049	1.30	O						10+20	1.2190	1.22	O						
5+15	1.3034	1.30	O						10+25	1.2173	1.22	O						
5+20	1.3020	1.30	O						10+30	1.2157	1.22	O						
5+25	1.3005	1.30	O						10+35	1.2140	1.21	O						
5+30	1.2990	1.30	O						10+40	1.2123	1.21	O						
5+35	1.2976	1.30	O						10+45	1.2107	1.21	O						
5+40	1.2961	1.30	O						10+50	1.2091	1.21	O						
5+45	1.2947	1.29	O						10+55	1.2074	1.21	O						
5+50	1.2932	1.29	O						11+ 0	1.2058	1.21	O						
5+55	1.2918	1.29	O						11+ 5	1.2041	1.20	O						
6+ 0	1.2903	1.29	O						11+10	1.2025	1.20	O						
6+ 5	1.2889	1.29	O						11+15	1.2009	1.20	O						
6+10	1.2874	1.29	O						11+20	1.1992	1.20	O						
6+15	1.2860	1.29	O						11+25	1.1976	1.20	O						
6+20	1.2845	1.28	O						11+30	1.1960	1.20	O						
6+25	1.2831	1.28	O						11+35	1.1943	1.19	O						
6+30	1.2817	1.28	O						11+40	1.1927	1.19	O						
6+35	1.2802	1.28	O						11+45	1.1911	1.19	O						
6+40	1.2789	1.28	O						11+50	1.1895	1.19	O						
6+45	1.2777	1.28	O						11+55	1.1881	1.19	O						
6+50	1.2764	1.28	O						12+ 0	1.1867	1.19	O						
6+55	1.2752	1.27	O						12+ 5	1.1853	1.18	O						
7+ 0	1.2739	1.27	O						12+10	1.1838	1.18	O						
7+ 5	1.2727	1.27	O						12+15	1.1824	1.18	O						
7+10	1.2714	1.27	O						12+20	1.1810	1.18	O						
7+15	1.2702	1.27	O						12+25	1.1796	1.18	O						
7+20	1.2689	1.27	O						12+30	1.1782	1.18	O						
7+25	1.2677	1.27	O						12+35	1.1768	1.18	O						
7+30	1.2664	1.27	O						12+40	1.1754	1.18	O						
7+35	1.2652	1.26	O						12+45	1.1740	1.17	O						
7+40	1.2639	1.26	O						12+50	1.1726	1.17	O						

12+55	1.1711	1.17	O					18+ 5	1.0606	1.06	O					
13+ 0	1.1697	1.17	O					18+10	1.0586	1.06	O					
13+ 5	1.1683	1.17	O					18+15	1.0567	1.06	O					
13+10	1.1669	1.17	O					18+20	1.0547	1.05	O					
13+15	1.1656	1.17	O					18+25	1.0528	1.05	O					
13+20	1.1642	1.16	O					18+30	1.0509	1.05	O					
13+25	1.1628	1.16	O					18+35	1.0487	1.05	O					
13+30	1.1614	1.16	O					18+40	1.0463	1.05	O					
13+35	1.1600	1.16	O					18+45	1.0438	1.04	O					
13+40	1.1586	1.16	O					18+50	1.0414	1.04	O					
13+45	1.1572	1.16	O					18+55	1.0390	1.04	O					
13+50	1.1558	1.16	O					19+ 0	1.0366	1.04	O					
13+55	1.1544	1.15	O					19+ 5	1.0342	1.03	O					
14+ 0	1.1531	1.15	O					19+10	1.0318	1.03	O					
14+ 5	1.1517	1.15	O					19+15	1.0294	1.03	O					
14+10	1.1503	1.15	O					19+20	1.0270	1.03	O					
14+15	1.1485	1.15	O					19+25	1.0246	1.02	O					
14+20	1.1466	1.15	O					19+30	1.0223	1.02	O					
14+25	1.1447	1.14	O					19+35	1.0199	1.02	O					
14+30	1.1428	1.14	O					19+40	1.0175	1.02	O					
14+35	1.1409	1.14	O					19+45	1.0152	1.01	O					
14+40	1.1390	1.14	O					19+50	1.0128	1.01	O					
14+45	1.1372	1.14	O					19+55	1.0105	1.01	O					
14+50	1.1353	1.13	O					20+ 0	1.0081	1.01	O					
14+55	1.1334	1.13	O					20+ 5	1.0058	1.01	O					
15+ 0	1.1315	1.13	O					20+10	1.0034	1.00	O					
15+ 5	1.1296	1.13	O					20+15	1.0011	1.00	O					
15+10	1.1278	1.13	O					20+20	0.9988	1.00	O					
15+15	1.1259	1.13	O					20+25	0.9965	1.00	O					
15+20	1.1241	1.12	O					20+30	0.9942	0.99	O					
15+25	1.1222	1.12	O					20+35	0.9919	0.99	O					
15+30	1.1203	1.12	O					20+40	0.9895	0.99	O					
15+35	1.1185	1.12	O					20+45	0.9870	0.99	O					
15+40	1.1166	1.12	O					20+50	0.9844	0.98	O					
15+45	1.1148	1.11	O					20+55	0.9819	0.98	O					
15+50	1.1129	1.11	O					21+ 0	0.9793	0.98	O					
15+55	1.1111	1.11	O					21+ 5	0.9768	0.98	O					
16+ 0	1.1093	1.11	O					21+10	0.9743	0.97	O					
16+ 5	1.1074	1.11	O					21+15	0.9718	0.97	O					
16+10	1.1056	1.11	O					21+20	0.9693	0.97	O					
16+15	1.1038	1.10	O					21+25	0.9668	0.97	O					
16+20	1.1019	1.10	O					21+30	0.9643	0.96	O					
16+25	1.1001	1.10	O					21+35	0.9618	0.96	O					
16+30	1.0981	1.10	O					21+40	0.9593	0.96	O					
16+35	1.0961	1.10	O					21+45	0.9568	0.96	O					
16+40	1.0941	1.09	O					21+50	0.9544	0.95	O					
16+45	1.0921	1.09	O					21+55	0.9519	0.95	O					
16+50	1.0901	1.09	O					22+ 0	0.9495	0.95	O					
16+55	1.0881	1.09	O					22+ 5	0.9470	0.95	O					
17+ 0	1.0861	1.09	O					22+10	0.9446	0.94	O					
17+ 5	1.0841	1.08	O					22+15	0.9421	0.94	O					
17+10	1.0821	1.08	O					22+20	0.9397	0.94	O					
17+15	1.0802	1.08	O					22+25	0.9373	0.94	O					
17+20	1.0782	1.08	O					22+30	0.9349	0.93	O					
17+25	1.0762	1.08	O					22+35	0.9324	0.93	O					
17+30	1.0742	1.07	O					22+40	0.9300	0.93	O					
17+35	1.0723	1.07	O					22+45	0.9272	0.93	O					
17+40	1.0703	1.07	O					22+50	0.9244	0.92	O					
17+45	1.0684	1.07	O					22+55	0.9215	0.92	O					
17+50	1.0664	1.07	O					23+ 0	0.9187	0.92	O					
17+55	1.0645	1.06	O					23+ 5	0.9159	0.92	O					
18+ 0	1.0625	1.06	O					23+10	0.9131	0.91	O					

23+15	0.9103	0.91	O					28+25	0.7030	0.70	O				
23+20	0.9076	0.91	O					28+30	0.6989	0.70	O				
23+25	0.9048	0.90	O					28+35	0.6948	0.69	O				
23+30	0.9020	0.90	O					28+40	0.6907	0.69	O				
23+35	0.8993	0.90	O					28+45	0.6867	0.69	O				
23+40	0.8965	0.90	O					28+50	0.6827	0.68	O				
23+45	0.8938	0.89	O					28+55	0.6787	0.68	O				
23+50	0.8910	0.89	O					29+ 0	0.6747	0.67	O				
23+55	0.8883	0.89	O					29+ 5	0.6708	0.67	O				
24+ 0	0.8856	0.88	O					29+10	0.6669	0.67	O				
24+ 5	0.8829	0.88	O					29+15	0.6630	0.66	O				
24+10	0.8802	0.88	O					29+20	0.6591	0.66	O				
24+15	0.8775	0.88	O					29+25	0.6552	0.65	O				
24+20	0.8748	0.87	O					29+30	0.6514	0.65	O				
24+25	0.8721	0.87	O					29+35	0.6469	0.65	O				
24+30	0.8694	0.87	O					29+40	0.6420	0.64	O				
24+35	0.8664	0.87	O					29+45	0.6372	0.64	O				
24+40	0.8635	0.86	O					29+50	0.6324	0.63	O				
24+45	0.8605	0.86	O					29+55	0.6276	0.63	O				
24+50	0.8575	0.86	O					30+ 0	0.6229	0.62	O				
24+55	0.8546	0.85	O					30+ 5	0.6182	0.62	O				
25+ 0	0.8516	0.85	O					30+10	0.6136	0.61	O				
25+ 5	0.8487	0.85	O					30+15	0.6089	0.61	O				
25+10	0.8458	0.85	O					30+20	0.6044	0.60	O				
25+15	0.8429	0.84	O					30+25	0.5998	0.60	O				
25+20	0.8400	0.84	O					30+30	0.5953	0.59	O				
25+25	0.8371	0.84	O					30+35	0.5908	0.59	O				
25+30	0.8342	0.83	O					30+40	0.5864	0.59	O				
25+35	0.8314	0.83	O					30+45	0.5819	0.58	O				
25+40	0.8285	0.83	O					30+50	0.5776	0.58	O				
25+45	0.8256	0.83	O					30+55	0.5732	0.57	O				
25+50	0.8228	0.82	O					31+ 0	0.5689	0.57	O				
25+55	0.8200	0.82	O					31+ 5	0.5646	0.56	O				
26+ 0	0.8172	0.82	O					31+10	0.5602	0.56	O				
26+ 5	0.8144	0.81	O					31+15	0.5546	0.55	O				
26+10	0.8116	0.81	O					31+20	0.5487	0.55	O				
26+15	0.8080	0.81	O					31+25	0.5428	0.54	O				
26+20	0.8039	0.80	O					31+30	0.5371	0.54	O				
26+25	0.7998	0.80	O					31+35	0.5314	0.53	O				
26+30	0.7956	0.79	O					31+40	0.5257	0.52	O				
26+35	0.7915	0.79	O					31+45	0.5202	0.52	O				
26+40	0.7874	0.79	O					31+50	0.5146	0.51	O				
26+45	0.7833	0.78	O					31+55	0.5092	0.51	O				
26+50	0.7793	0.78	O					32+ 0	0.5038	0.50	O				
26+55	0.7752	0.77	O					32+ 5	0.4984	0.50	O				
27+ 0	0.7712	0.77	O					32+10	0.4931	0.49	O				
27+ 5	0.7672	0.77	O					32+15	0.4879	0.49	O				
27+10	0.7632	0.76	O					32+20	0.4827	0.48	O				
27+15	0.7593	0.76	O					32+25	0.4776	0.48	O				
27+20	0.7553	0.75	O					32+30	0.4725	0.47	O				
27+25	0.7514	0.75	O					32+35	0.4675	0.47	O				
27+30	0.7475	0.75	O					32+40	0.4626	0.46	O				
27+35	0.7436	0.74	O					32+45	0.4576	0.46	O				
27+40	0.7398	0.74	O					32+50	0.4528	0.45	O				
27+45	0.7360	0.74	O					32+55	0.4468	0.45	O				
27+50	0.7321	0.73	O					33+ 0	0.4400	0.44	O				
27+55	0.7281	0.73	O					33+ 5	0.4331	0.43	O				
28+ 0	0.7239	0.72	O					33+10	0.4263	0.42	O				
28+ 5	0.7197	0.72	O					33+15	0.4196	0.42	O				
28+10	0.7154	0.71	O					33+20	0.4131	0.41	O				
28+15	0.7113	0.71	O					33+25	0.4066	0.41	O				
28+20	0.7071	0.71	O					33+30	0.4002	0.40	O				

33+35	0.3939	0.39	|O	|	|	|	|	38+45	0.0453	0.04	O	|	|	|	|
33+40	0.3877	0.39	|O	|	|	|	|	38+50	0.0435	0.04	O	|	|	|	|
33+45	0.3817	0.38	|O	|	|	|	|	38+55	0.0417	0.04	O	|	|	|	|
33+50	0.3757	0.37	|O	|	|	|	|	39+ 0	0.0400	0.04	O	|	|	|	|
33+55	0.3698	0.37	|O	|	|	|	|	39+ 5	0.0384	0.04	O	|	|	|	|
34+ 0	0.3640	0.36	|O	|	|	|	|	39+10	0.0369	0.04	O	|	|	|	|
34+ 5	0.3583	0.36	|O	|	|	|	|	39+15	0.0354	0.04	O	|	|	|	|
34+10	0.3527	0.35	|O	|	|	|	|	39+20	0.0340	0.03	O	|	|	|	|
34+15	0.3471	0.35	|O	|	|	|	|	39+25	0.0326	0.03	O	|	|	|	|
34+20	0.3417	0.34	|O	|	|	|	|	39+30	0.0313	0.03	O	|	|	|	|
34+25	0.3363	0.34	|O	|	|	|	|	39+35	0.0300	0.03	O	|	|	|	|
34+30	0.3311	0.33	|O	|	|	|	|	39+40	0.0288	0.03	O	|	|	|	|
34+35	0.3259	0.32	|O	|	|	|	|	39+45	0.0277	0.03	O	|	|	|	|
34+40	0.3208	0.32	|O	|	|	|	|	39+50	0.0266	0.03	O	|	|	|	|
34+45	0.3157	0.31	|O	|	|	|	|	39+55	0.0255	0.03	O	|	|	|	|
34+50	0.3104	0.31	|O	|	|	|	|	40+ 0	0.0245	0.02	O	|	|	|	|
34+55	0.2995	0.30	|O	|	|	|	|	40+ 5	0.0235	0.02	O	|	|	|	|
35+ 0	0.2875	0.28	|O	|	|	|	|	40+10	0.0225	0.02	O	|	|	|	|
35+ 5	0.2759	0.27	|O	|	|	|	|	40+15	0.0216	0.02	O	|	|	|	|
35+10	0.2648	0.26	|O	|	|	|	|	40+20	0.0208	0.02	O	|	|	|	|
35+15	0.2541	0.25	|O	|	|	|	|	40+25	0.0199	0.02	O	|	|	|	|
35+20	0.2439	0.24	|O	|	|	|	|	40+30	0.0191	0.02	O	|	|	|	|
35+25	0.2341	0.23	O	|	|	|	|	40+35	0.0184	0.02	O	|	|	|	|
35+30	0.2247	0.22	O	|	|	|	|	40+40	0.0176	0.02	O	|	|	|	|
35+35	0.2156	0.21	O	|	|	|	|	40+45	0.0169	0.02	O	|	|	|	|
35+40	0.2070	0.21	O	|	|	|	|	40+50	0.0162	0.02	O	|	|	|	|
35+45	0.1986	0.20	O	|	|	|	|	40+55	0.0156	0.02	O	|	|	|	|
35+50	0.1906	0.19	O	|	|	|	|	41+ 0	0.0149	0.01	O	|	|	|	|
35+55	0.1830	0.18	O	|	|	|	|	41+ 5	0.0143	0.01	O	|	|	|	|
36+ 0	0.1756	0.17	O	|	|	|	|	41+10	0.0138	0.01	O	|	|	|	|
36+ 5	0.1685	0.17	O	|	|	|	|	41+15	0.0132	0.01	O	|	|	|	|
36+10	0.1618	0.16	O	|	|	|	|	41+20	0.0127	0.01	O	|	|	|	|
36+15	0.1553	0.15	O	|	|	|	|	41+25	0.0122	0.01	O	|	|	|	|
36+20	0.1490	0.15	O	|	|	|	|	41+30	0.0117	0.01	O	|	|	|	|
36+25	0.1430	0.14	O	|	|	|	|	41+35	0.0112	0.01	O	|	|	|	|
36+30	0.1373	0.14	O	|	|	|	|	41+40	0.0108	0.01	O	|	|	|	|
36+35	0.1317	0.13	O	|	|	|	|	41+45	0.0103	0.01	O	|	|	|	|
36+40	0.1264	0.13	O	|	|	|	|	41+50	0.0099	0.01	O	|	|	|	|
36+45	0.1214	0.12	O	|	|	|	|	41+55	0.0095	0.01	O	|	|	|	|
36+50	0.1165	0.12	O	|	|	|	|	42+ 0	0.0091	0.01	O	|	|	|	|
36+55	0.1118	0.11	O	|	|	|	|	42+ 5	0.0088	0.01	O	|	|	|	|
37+ 0	0.1073	0.11	O	|	|	|	|	42+10	0.0084	0.01	O	|	|	|	|
37+ 5	0.1030	0.10	O	|	|	|	|	42+15	0.0081	0.01	O	|	|	|	|
37+10	0.0988	0.10	O	|	|	|	|	42+20	0.0077	0.01	O	|	|	|	|
37+15	0.0949	0.09	O	|	|	|	|	42+25	0.0074	0.01	O	|	|	|	|
37+20	0.0910	0.09	O	|	|	|	|	42+30	0.0071	0.01	O	|	|	|	|
37+25	0.0874	0.09	O	|	|	|	|	42+35	0.0069	0.01	O	|	|	|	|
37+30	0.0839	0.08	O	|	|	|	|	42+40	0.0066	0.01	O	|	|	|	|
37+35	0.0805	0.08	O	|	|	|	|	42+45	0.0063	0.01	O	|	|	|	|
37+40	0.0772	0.08	O	|	|	|	|	42+50	0.0061	0.01	O	|	|	|	|
37+45	0.0741	0.07	O	|	|	|	|	42+55	0.0058	0.01	O	|	|	|	|
37+50	0.0712	0.07	O	|	|	|	|	43+ 0	0.0056	0.01	O	|	|	|	|
37+55	0.0683	0.07	O	|	|	|	|	43+ 5	0.0054	0.01	O	|	|	|	|
38+ 0	0.0655	0.06	O	|	|	|	|	43+10	0.0051	0.01	O	|	|	|	|
38+ 5	0.0629	0.06	O	|	|	|	|	43+15	0.0049	0.00	O	|	|	|	|
38+10	0.0604	0.06	O	|	|	|	|	43+20	0.0047	0.00	O	|	|	|	|
38+15	0.0580	0.06	O	|	|	|	|	43+25	0.0045	0.00	O	|	|	|	|
38+20	0.0556	0.06	O	|	|	|	|	43+30	0.0044	0.00	O	|	|	|	|
38+25	0.0534	0.05	O	|	|	|	|	43+35	0.0042	0.00	O	|	|	|	|
38+30	0.0512	0.05	O	|	|	|	|	43+40	0.0040	0.00	O	|	|	|	|
38+35	0.0492	0.05	O	|	|	|	|	43+45	0.0039	0.00	O	|	|	|	|
38+40	0.0472	0.05	O	|	|	|	|	43+50	0.0037	0.00	O	|	|	|	|

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 43+55      0.0036      0.00  O         |         |         |         |
 44+ 0      0.0034      0.00  O         |         |         |         |
 44+ 5      0.0033      0.00  O         |         |         |         |
 44+10      0.0031      0.00  O         |         |         |         |
 44+15      0.0030      0.00  O         |         |         |         |
 44+20      0.0029      0.00  O         |         |         |         |
 44+25      0.0028      0.00  O         |         |         |         |
 44+30      0.0027      0.00  O         |         |         |         |
 44+35      0.0026      0.00  O         |         |         |         |
 44+40      0.0025      0.00  O         |         |         |         |
 44+45      0.0024      0.00  O         |         |         |         |
 44+50      0.0023      0.00  O         |         |         |         |
 44+55      0.0022      0.00  O         |         |         |         |
 45+ 0      0.0021      0.00  O         |         |         |         |
 45+ 5      0.0020      0.00  O         |         |         |         |
 45+10      0.0019      0.00  O         |         |         |         |
 45+15      0.0018      0.00  O         |         |         |         |
 45+20      0.0018      0.00  O         |         |         |         |
 45+25      0.0017      0.00  O         |         |         |         |
 45+30      0.0016      0.00  O         |         |         |         |
 45+35      0.0016      0.00  O         |         |         |         |
 45+40      0.0015      0.00  O         |         |         |         |
 45+45      0.0014      0.00  O         |         |         |         |
 45+50      0.0014      0.00  O         |         |         |         |
 45+55      0.0013      0.00  O         |         |         |         |
 46+ 0      0.0013      0.00  O         |         |         |         |
 46+ 5      0.0012      0.00  O         |         |         |         |
 46+10      0.0012      0.00  O         |         |         |         |
 46+15      0.0011      0.00  O         |         |         |         |
 46+20      0.0011      0.00  O         |         |         |         |
 46+25      0.0010      0.00  O         |         |         |         |
 46+30      0.0010      0.00  O         |         |         |         |
 46+35      0.0000      0.00  O         |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   559
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        9.277 (CFS)
                  Total volume =       3.184 (Ac.Ft)
            Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***************************************************************************


      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        9.100 to Point/Station        9.200
      **** STORE OR DELETE CURRENT HYDROGRAPH ****
      ___________________________________________________________________________
      Current stream hydrograph of   5.0 minute
      intervals has been stored as stream number 1 with
      a starting time of   0.00 hours and ending time of  25.00 hours
      With a total volume of       2.64(Ac.Ft)
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =     0
                  Time interval =    0.0 (Min.)
                  Maximum/Peak flow rate =        0.000 (CFS)
                  Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
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```
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      9.277     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      2.638     0.000     0.000     0.000     0.000
      ***************************************************************************


      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        9.300 to Point/Station        9.400
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ___________________________________________________________________________
      ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP9B1003100.rte
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals (CFS)

      ---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       25.8      51.6      77.4      103.2
---------------------------------------------------------------------------
  0+ 5       3.1722      3.17  |Q        |         |         |         |
  0+10      12.0353     12.04  |   Q     |         |         |         |
  0+15      13.9902     13.99  |    Q    |         |         |         |
  0+20      14.4005     14.40  |    Q    |         |         |         |
  0+25      17.3654     17.37  |     Q   |         |         |         |
  0+30      19.0962     19.10  |      Q  |         |         |         |
  0+35      20.9416     20.94  |       Q |         |         |         |
  0+40      20.1413     20.14  |      Q  |         |         |         |
  0+45      22.1307     22.13  |       Q |         |         |         |
  0+50      21.7894     21.79  |       Q |         |         |         |
  0+55      19.8780     19.88  |      Q  |         |         |         |
  1+ 0      20.6029     20.60  |      Q  |         |         |         |
  1+ 5      23.3707     23.37  |        Q|         |         |         |
  1+10      27.0620     27.06  |         Q         |         |         |
  1+15      28.1228     28.12  |         Q         |         |         |
  1+20      27.9040     27.90  |         Q         |         |         |
  1+25      28.1229     28.12  |         Q         |         |         |
  1+30      32.8077     32.81  |          | Q      |         |         |
  1+35      33.9740     33.97  |          |  Q     |         |         |
  1+40      33.0895     33.09  |          | Q      |         |         |
  1+45      36.7051     36.71  |          |   Q    |         |         |
  1+50      41.4677     41.47  |          |     Q  |         |         |
  1+55      40.8640     40.86  |          |    Q   |         |         |
  2+ 0      39.5908     39.59  |          |    Q   |         |         |
  2+ 5      40.2053     40.21  |          |    Q   |         |         |
  2+10      44.2642     44.26  |          |      Q |         |         |
  2+15      55.6404     55.64  |          |        |Q        |         |
  2+20      60.3387     60.34  |          |        |  Q      |         |
  2+25      60.4984     60.50  |          |        |  Q      |         |
  2+30      85.8111     85.81  |          |        |         |  Q      |
  2+35      99.0446     99.04  |          |        |         |       Q |
  2+40     103.2038    103.20  |          |        |         |         Q
  2+45      76.5368     76.54  |          |        |        Q|         |
  2+50      40.5362     40.54  |          |    Q   |         |         |
  2+55      28.5172     28.52  |         Q|        |         |         |
  3+ 0      21.3266     21.33  |       Q  |        |         |         |
  3+ 5       9.6127      9.61  |  Q       |        |         |         |
  3+10       2.9075      2.91  |Q         |        |         |         |
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    3+15       0.8671      0.87  Q         |         |         |         |
    3+20       0.2878      0.29  Q         |         |         |         |
    3+25       0.0839      0.08  Q         |         |         |         |
    3+30       0.0108      0.01  Q         |         |         |         |
-------------------------------------------------------------------------
      ***************************HYDROGRAPH DATA**************************
                    Number of intervals =    42
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      103.204 (CFS)
                    Total volume =       9.148 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      9.277     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)     2.638     0.000     0.000     0.000     0.000
      *************************************************************************


      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        9.300 to Point/Station        9.400
      **** RETARDING BASIN ROUTING ****
      _____________________________________________________________________

      User entry of depth-outflow-storage data
      ---------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 42
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
           (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
      ---------------------------------------------------------------------
        0.000      0.000      0.000      0.000        0.000
        1.000      0.397      0.260      0.396        0.398
        2.000      0.868      0.370      0.867        0.869
        4.000      2.045      0.530      2.043        2.047
        5.000      2.757      0.600      2.755        2.759
        6.000      3.557      0.660      3.555        3.559
        7.000      4.453      0.710      4.451        4.455
        8.000      5.448      0.760      5.445        5.451
        9.000      6.547      0.800      6.544        6.550
       10.000      7.753      0.850      7.750        7.756
       11.000      9.071      0.890      9.068        9.074
       12.000     10.507      6.420     10.485       10.529
       13.000     12.066      9.650     12.033       12.099
       14.000     13.753     11.980     13.712       13.794
       15.000     15.571     18.830     15.506       15.636
       16.000     17.528     23.100     17.448       17.608
       17.000     19.626     26.520     19.535       19.717
       18.000     21.873     53.750     21.688       22.058
       19.000     24.271    100.790     23.924       24.618
       20.000     26.831    160.700     26.278       27.384
      ---------------------------------------------------------------------
                    Hydrograph Detention Basin Routing
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      ---------------------------------------------------------------------

      Graph values: 'I'= unit inflow; 'O'=outflow at time shown
      ---------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0      25.8   51.60   77.40  103.20 (Ft.)
 0.083    3.17    0.01      0.011  O       |       |       |       |     0.03
 0.167   12.04    0.04      0.063  O  I    |       |       |       |     0.16
 0.250   13.99    0.10      0.152  O   I   |       |       |       |     0.38
 0.333   14.40    0.16      0.249  O   I   |       |       |       |     0.63
 0.417   17.37    0.23      0.357  O    I  |       |       |       |     0.90
 0.500   19.10    0.28      0.481  O    I  |       |       |       |     1.18
 0.583   20.94    0.31      0.617  O     I |       |       |       |     1.47
 0.667   20.14    0.34      0.756  O     I |       |       |       |     1.76
 0.750   22.13    0.37      0.899  O     I |       |       |       |     2.05
 0.833   21.79    0.39      1.048  O     I |       |       |       |     2.31
 0.917   19.88    0.41      1.188  O     I |       |       |       |     2.54
 1.000   20.60    0.43      1.325  O     I |       |       |       |     2.78
 1.083   23.37    0.45      1.473  O      I|       |       |       |     3.03
 1.167   27.06    0.48      1.644  O       I       |       |       |     3.32
 1.250   28.12    0.50      1.830  O       I       |       |       |     3.64
 1.333   27.90    0.53      2.020  O       I       |       |       |     3.96
 1.417   28.12    0.55      2.209  O       I       |       |       |     4.23
 1.500   32.81    0.57      2.415  O        | I     |       |       |     4.52
 1.583   33.97    0.59      2.641  O        | I     |       |       |     4.84
 1.667   33.09    0.61      2.868  O        | I     |       |       |     5.14
 1.750   36.71    0.63      3.104  O        |  I    |       |       |     5.43
 1.833   41.47    0.65      3.369  O        |   I   |       |       |     5.76
 1.917   40.86    0.67      3.648  O        |   I   |       |       |     6.10
 2.000   39.59    0.68      3.920  O        |   I   |       |       |     6.41
 2.083   40.21    0.70      4.190  O        |   I   |       |       |     6.71
 2.167   44.26    0.71      4.476  O        |    I  |       |       |     7.02
 2.250   55.64    0.73      4.815  O        |       |I      |       |     7.36
 2.333   60.34    0.75      5.210  O        |       | I     |       |     7.76
 2.417   60.50    0.77      5.620  O        |       | I     |       |     8.16
 2.500   85.81    0.78      6.119  O        |       |       | I     |     8.61
 2.583   99.04    0.81      6.750  O        |       |       |     I |     9.17
 2.667  103.20    0.84      7.441  O        |       |       |      I|     9.74
 2.750   76.54    0.86      8.054  O        |       |      I|       |    10.23
 2.833   40.54    0.87      8.451  O        |   I   |       |       |    10.53
 2.917   28.52    0.88      8.683  O       I|       |       |       |    10.71
 3.000   21.33    0.88      8.848  O     I  |       |       |       |    10.83
 3.083    9.61    0.89      8.949  O I      |       |       |       |    10.91
 3.167    2.91    0.89      8.986  O        |       |       |       |    10.94
 3.250    0.87    0.89      8.993  O        |       |       |       |    10.94
 3.333    0.29    0.89      8.991  O        |       |       |       |    10.94
 3.417    0.08    0.89      8.986  O        |       |       |       |    10.94
 3.500    0.01    0.89      8.980  O        |       |       |       |    10.93
 3.583    0.00    0.89      8.974  O        |       |       |       |    10.93
 3.667    0.00    0.89      8.968  O        |       |       |       |    10.92
 3.750    0.00    0.89      8.962  O        |       |       |       |    10.92
 3.833    0.00    0.89      8.956  O        |       |       |       |    10.91
 3.917    0.00    0.89      8.949  O        |       |       |       |    10.91
 4.000    0.00    0.89      8.943  O        |       |       |       |    10.90
 4.083    0.00    0.89      8.937  O        |       |       |       |    10.90
 4.167    0.00    0.89      8.931  O        |       |       |       |    10.89
 4.250    0.00    0.89      8.925  O        |       |       |       |    10.89
 4.333    0.00    0.89      8.919  O        |       |       |       |    10.88
 4.417    0.00    0.89      8.913  O        |       |       |       |    10.88
 4.500    0.00    0.89      8.907  O        |       |       |       |    10.88
 4.583    0.00    0.88      8.901  O        |       |       |       |    10.87
 4.667    0.00    0.88      8.895  O        |       |       |       |    10.87
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4.750	0.00	0.88	8.888	O	|	|	|	|	10.86	9.917	0.00	0.87	8.513	O	|	|	|	|	10.58
4.833	0.00	0.88	8.882	O	|	|	|	|	10.86	10.000	0.00	0.87	8.507	O	|	|	|	|	10.57
4.917	0.00	0.88	8.876	O	|	|	|	|	10.85	10.083	0.00	0.87	8.501	O	|	|	|	|	10.57
5.000	0.00	0.88	8.870	O	|	|	|	|	10.85	10.167	0.00	0.87	8.495	O	|	|	|	|	10.56
5.083	0.00	0.88	8.864	O	|	|	|	|	10.84	10.250	0.00	0.87	8.489	O	|	|	|	|	10.56
5.167	0.00	0.88	8.858	O	|	|	|	|	10.84	10.333	0.00	0.87	8.483	O	|	|	|	|	10.55
5.250	0.00	0.88	8.852	O	|	|	|	|	10.83	10.417	0.00	0.87	8.477	O	|	|	|	|	10.55
5.333	0.00	0.88	8.846	O	|	|	|	|	10.83	10.500	0.00	0.87	8.471	O	|	|	|	|	10.54
5.417	0.00	0.88	8.840	O	|	|	|	|	10.82	10.583	0.00	0.87	8.465	O	|	|	|	|	10.54
5.500	0.00	0.88	8.834	O	|	|	|	|	10.82	10.667	0.00	0.87	8.459	O	|	|	|	|	10.54
5.583	0.00	0.88	8.828	O	|	|	|	|	10.82	10.750	0.00	0.87	8.453	O	|	|	|	|	10.53
5.667	0.00	0.88	8.822	O	|	|	|	|	10.81	10.833	0.00	0.87	8.447	O	|	|	|	|	10.53
5.750	0.00	0.88	8.815	O	|	|	|	|	10.81	10.917	0.00	0.87	8.441	O	|	|	|	|	10.52
5.833	0.00	0.88	8.809	O	|	|	|	|	10.80	11.000	0.00	0.87	8.435	O	|	|	|	|	10.52
5.917	0.00	0.88	8.803	O	|	|	|	|	10.80	11.083	0.00	0.87	8.429	O	|	|	|	|	10.51
6.000	0.00	0.88	8.797	O	|	|	|	|	10.79	11.167	0.00	0.87	8.423	O	|	|	|	|	10.51
6.083	0.00	0.88	8.791	O	|	|	|	|	10.79	11.250	0.00	0.87	8.417	O	|	|	|	|	10.50
6.167	0.00	0.88	8.785	O	|	|	|	|	10.78	11.333	0.00	0.87	8.411	O	|	|	|	|	10.50
6.250	0.00	0.88	8.779	O	|	|	|	|	10.78	11.417	0.00	0.87	8.405	O	|	|	|	|	10.49
6.333	0.00	0.88	8.773	O	|	|	|	|	10.77	11.500	0.00	0.87	8.399	O	|	|	|	|	10.49
6.417	0.00	0.88	8.767	O	|	|	|	|	10.77	11.583	0.00	0.87	8.393	O	|	|	|	|	10.49
6.500	0.00	0.88	8.761	O	|	|	|	|	10.76	11.667	0.00	0.87	8.387	O	|	|	|	|	10.48
6.583	0.00	0.88	8.755	O	|	|	|	|	10.76	11.750	0.00	0.87	8.381	O	|	|	|	|	10.48
6.667	0.00	0.88	8.749	O	|	|	|	|	10.76	11.833	0.00	0.87	8.375	O	|	|	|	|	10.47
6.750	0.00	0.88	8.743	O	|	|	|	|	10.75	11.917	0.00	0.87	8.369	O	|	|	|	|	10.47
6.833	0.00	0.88	8.737	O	|	|	|	|	10.75	12.000	0.00	0.87	8.363	O	|	|	|	|	10.46
6.917	0.00	0.88	8.731	O	|	|	|	|	10.74	12.083	0.00	0.87	8.357	O	|	|	|	|	10.46
7.000	0.00	0.88	8.724	O	|	|	|	|	10.74	12.167	0.00	0.87	8.351	O	|	|	|	|	10.45
7.083	0.00	0.88	8.718	O	|	|	|	|	10.73	12.250	0.00	0.87	8.345	O	|	|	|	|	10.45
7.167	0.00	0.88	8.712	O	|	|	|	|	10.73	12.333	0.00	0.87	8.339	O	|	|	|	|	10.44
7.250	0.00	0.88	8.706	O	|	|	|	|	10.72	12.417	0.00	0.87	8.333	O	|	|	|	|	10.44
7.333	0.00	0.88	8.700	O	|	|	|	|	10.72	12.500	0.00	0.87	8.327	O	|	|	|	|	10.44
7.417	0.00	0.88	8.694	O	|	|	|	|	10.71	12.583	0.00	0.87	8.321	O	|	|	|	|	10.43
7.500	0.00	0.88	8.688	O	|	|	|	|	10.71	12.667	0.00	0.87	8.315	O	|	|	|	|	10.43
7.583	0.00	0.88	8.682	O	|	|	|	|	10.70	12.750	0.00	0.87	8.310	O	|	|	|	|	10.42
7.667	0.00	0.88	8.676	O	|	|	|	|	10.70	12.833	0.00	0.87	8.304	O	|	|	|	|	10.42
7.750	0.00	0.88	8.670	O	|	|	|	|	10.70	12.917	0.00	0.87	8.298	O	|	|	|	|	10.41
7.833	0.00	0.88	8.664	O	|	|	|	|	10.69	13.000	0.00	0.87	8.292	O	|	|	|	|	10.41
7.917	0.00	0.88	8.658	O	|	|	|	|	10.69	13.083	0.00	0.87	8.286	O	|	|	|	|	10.40
8.000	0.00	0.88	8.652	O	|	|	|	|	10.68	13.167	0.00	0.87	8.280	O	|	|	|	|	10.40
8.083	0.00	0.88	8.646	O	|	|	|	|	10.68	13.250	0.00	0.87	8.274	O	|	|	|	|	10.40
8.167	0.00	0.88	8.640	O	|	|	|	|	10.67	13.333	0.00	0.87	8.268	O	|	|	|	|	10.39
8.250	0.00	0.88	8.634	O	|	|	|	|	10.67	13.417	0.00	0.87	8.262	O	|	|	|	|	10.39
8.333	0.00	0.88	8.628	O	|	|	|	|	10.66	13.500	0.00	0.87	8.256	O	|	|	|	|	10.38
8.417	0.00	0.88	8.622	O	|	|	|	|	10.66	13.583	0.00	0.87	8.250	O	|	|	|	|	10.38
8.500	0.00	0.88	8.616	O	|	|	|	|	10.65	13.667	0.00	0.86	8.244	O	|	|	|	|	10.37
8.583	0.00	0.88	8.610	O	|	|	|	|	10.65	13.750	0.00	0.86	8.238	O	|	|	|	|	10.37
8.667	0.00	0.88	8.604	O	|	|	|	|	10.65	13.833	0.00	0.86	8.232	O	|	|	|	|	10.36
8.750	0.00	0.88	8.598	O	|	|	|	|	10.64	13.917	0.00	0.86	8.226	O	|	|	|	|	10.36
8.833	0.00	0.88	8.592	O	|	|	|	|	10.64	14.000	0.00	0.86	8.220	O	|	|	|	|	10.35
8.917	0.00	0.88	8.585	O	|	|	|	|	10.63	14.083	0.00	0.86	8.214	O	|	|	|	|	10.35
9.000	0.00	0.88	8.579	O	|	|	|	|	10.63	14.167	0.00	0.86	8.208	O	|	|	|	|	10.35
9.083	0.00	0.87	8.573	O	|	|	|	|	10.62	14.250	0.00	0.86	8.202	O	|	|	|	|	10.34
9.167	0.00	0.87	8.567	O	|	|	|	|	10.62	14.333	0.00	0.86	8.196	O	|	|	|	|	10.34
9.250	0.00	0.87	8.561	O	|	|	|	|	10.61	14.417	0.00	0.86	8.190	O	|	|	|	|	10.33
9.333	0.00	0.87	8.555	O	|	|	|	|	10.61	14.500	0.00	0.86	8.184	O	|	|	|	|	10.33
9.417	0.00	0.87	8.549	O	|	|	|	|	10.60	14.583	0.00	0.86	8.178	O	|	|	|	|	10.32
9.500	0.00	0.87	8.543	O	|	|	|	|	10.60	14.667	0.00	0.86	8.173	O	|	|	|	|	10.32
9.583	0.00	0.87	8.537	O	|	|	|	|	10.60	14.750	0.00	0.86	8.167	O	|	|	|	|	10.31
9.667	0.00	0.87	8.531	O	|	|	|	|	10.59	14.833	0.00	0.86	8.161	O	|	|	|	|	10.31
9.750	0.00	0.87	8.525	O	|	|	|	|	10.59	14.917	0.00	0.86	8.155	O	|	|	|	|	10.30
9.833	0.00	0.87	8.519	O	|	|	|	|	10.58	15.000	0.00	0.86	8.149	O	|	|	|	|	10.30

15.083	0.00	0.86	8.143	O					10.30	20.250	0.00	0.85	7.777	O					10.02
15.167	0.00	0.86	8.137	O					10.29	20.333	0.00	0.85	7.771	O					10.01
15.250	0.00	0.86	8.131	O					10.29	20.417	0.00	0.85	7.765	O					10.01
15.333	0.00	0.86	8.125	O					10.28	20.500	0.00	0.85	7.760	O					10.01
15.417	0.00	0.86	8.119	O					10.28	20.583	0.00	0.85	7.754	O					10.00
15.500	0.00	0.86	8.113	O					10.27	20.667	0.00	0.85	7.748	O					10.00
15.583	0.00	0.86	8.107	O					10.27	20.750	0.00	0.85	7.742	O					9.99
15.667	0.00	0.86	8.101	O					10.26	20.833	0.00	0.85	7.736	O					9.99
15.750	0.00	0.86	8.095	O					10.26	20.917	0.00	0.85	7.730	O					9.98
15.833	0.00	0.86	8.089	O					10.26	21.000	0.00	0.85	7.725	O					9.98
15.917	0.00	0.86	8.084	O					10.25	21.083	0.00	0.85	7.719	O					9.97
16.000	0.00	0.86	8.078	O					10.25	21.167	0.00	0.85	7.713	O					9.97
16.083	0.00	0.86	8.072	O					10.24	21.250	0.00	0.85	7.707	O					9.96
16.167	0.00	0.86	8.066	O					10.24	21.333	0.00	0.85	7.701	O					9.96
16.250	0.00	0.86	8.060	O					10.23	21.417	0.00	0.85	7.695	O					9.95
16.333	0.00	0.86	8.054	O					10.23	21.500	0.00	0.85	7.689	O					9.95
16.417	0.00	0.86	8.048	O					10.22	21.583	0.00	0.85	7.684	O					9.94
16.500	0.00	0.86	8.042	O					10.22	21.667	0.00	0.85	7.678	O					9.94
16.583	0.00	0.86	8.036	O					10.21	21.750	0.00	0.85	7.672	O					9.93
16.667	0.00	0.86	8.030	O					10.21	21.833	0.00	0.85	7.666	O					9.93
16.750	0.00	0.86	8.024	O					10.21	21.917	0.00	0.85	7.660	O					9.92
16.833	0.00	0.86	8.018	O					10.20	22.000	0.00	0.85	7.655	O					9.92
16.917	0.00	0.86	8.013	O					10.20	22.083	0.00	0.85	7.649	O					9.91
17.000	0.00	0.86	8.007	O					10.19	22.167	0.00	0.85	7.643	O					9.91
17.083	0.00	0.86	8.001	O					10.19	22.250	0.00	0.85	7.637	O					9.90
17.167	0.00	0.86	7.995	O					10.18	22.333	0.00	0.84	7.631	O					9.90
17.250	0.00	0.86	7.989	O					10.18	22.417	0.00	0.84	7.625	O					9.89
17.333	0.00	0.86	7.983	O					10.17	22.500	0.00	0.84	7.620	O					9.89
17.417	0.00	0.86	7.977	O					10.17	22.583	0.00	0.84	7.614	O					9.88
17.500	0.00	0.86	7.971	O					10.17	22.667	0.00	0.84	7.608	O					9.88
17.583	0.00	0.86	7.965	O					10.16	22.750	0.00	0.84	7.602	O					9.87
17.667	0.00	0.86	7.959	O					10.16	22.833	0.00	0.84	7.596	O					9.87
17.750	0.00	0.86	7.954	O					10.15	22.917	0.00	0.84	7.591	O					9.87
17.833	0.00	0.86	7.948	O					10.15	23.000	0.00	0.84	7.585	O					9.86
17.917	0.00	0.86	7.942	O					10.14	23.083	0.00	0.84	7.579	O					9.86
18.000	0.00	0.86	7.936	O					10.14	23.167	0.00	0.84	7.573	O					9.85
18.083	0.00	0.86	7.930	O					10.13	23.250	0.00	0.84	7.567	O					9.85
18.167	0.00	0.86	7.924	O					10.13	23.333	0.00	0.84	7.562	O					9.84
18.250	0.00	0.86	7.918	O					10.13	23.417	0.00	0.84	7.556	O					9.84
18.333	0.00	0.85	7.912	O					10.12	23.500	0.00	0.84	7.550	O					9.83
18.417	0.00	0.85	7.906	O					10.12	23.583	0.00	0.84	7.544	O					9.83
18.500	0.00	0.85	7.901	O					10.11	23.667	0.00	0.84	7.538	O					9.82
18.583	0.00	0.85	7.895	O					10.11	23.750	0.00	0.84	7.533	O					9.82
18.667	0.00	0.85	7.889	O					10.10	23.833	0.00	0.84	7.527	O					9.81
18.750	0.00	0.85	7.883	O					10.10	23.917	0.00	0.84	7.521	O					9.81
18.833	0.00	0.85	7.877	O					10.09	24.000	0.00	0.84	7.515	O					9.80
18.917	0.00	0.85	7.871	O					10.09	24.083	0.00	0.84	7.509	O					9.80
19.000	0.00	0.85	7.865	O					10.09	24.167	0.00	0.84	7.504	O					9.79
19.083	0.00	0.85	7.859	O					10.08	24.250	0.00	0.84	7.498	O					9.79
19.167	0.00	0.85	7.853	O					10.08	24.333	0.00	0.84	7.492	O					9.78
19.250	0.00	0.85	7.848	O					10.07	24.417	0.00	0.84	7.486	O					9.78
19.333	0.00	0.85	7.842	O					10.07	24.500	0.00	0.84	7.480	O					9.77
19.417	0.00	0.85	7.836	O					10.06	24.583	0.00	0.84	7.475	O					9.77
19.500	0.00	0.85	7.830	O					10.06	24.667	0.00	0.84	7.469	O					9.76
19.583	0.00	0.85	7.824	O					10.05	24.750	0.00	0.84	7.463	O					9.76
19.667	0.00	0.85	7.818	O					10.05	24.833	0.00	0.84	7.457	O					9.75
19.750	0.00	0.85	7.812	O					10.05	24.917	0.00	0.84	7.452	O					9.75
19.833	0.00	0.85	7.807	O					10.04	25.000	0.00	0.84	7.446	O					9.75
19.917	0.00	0.85	7.801	O					10.04	25.083	0.00	0.84	7.440	O					9.74
20.000	0.00	0.85	7.795	O					10.03	25.167	0.00	0.84	7.434	O					9.74
20.083	0.00	0.85	7.789	O					10.03	25.250	0.00	0.84	7.429	O					9.73
20.167	0.00	0.85	7.783	O					10.02	25.333	0.00	0.84	7.423	O					9.73

25.417	0.00	0.84	7.417	O	|	|	|	|	9.72	30.583	0.00	0.82	7.063	O	|	|	|	|	9.43
25.500	0.00	0.84	7.411	O	|	|	|	|	9.72	30.667	0.00	0.82	7.058	O	|	|	|	|	9.42
25.583	0.00	0.84	7.406	O	|	|	|	|	9.71	30.750	0.00	0.82	7.052	O	|	|	|	|	9.42
25.667	0.00	0.84	7.400	O	|	|	|	|	9.71	30.833	0.00	0.82	7.046	O	|	|	|	|	9.41
25.750	0.00	0.84	7.394	O	|	|	|	|	9.70	30.917	0.00	0.82	7.041	O	|	|	|	|	9.41
25.833	0.00	0.83	7.388	O	|	|	|	|	9.70	31.000	0.00	0.82	7.035	O	|	|	|	|	9.40
25.917	0.00	0.83	7.383	O	|	|	|	|	9.69	31.083	0.00	0.82	7.029	O	|	|	|	|	9.40
26.000	0.00	0.83	7.377	O	|	|	|	|	9.69	31.167	0.00	0.82	7.024	O	|	|	|	|	9.40
26.083	0.00	0.83	7.371	O	|	|	|	|	9.68	31.250	0.00	0.82	7.018	O	|	|	|	|	9.39
26.167	0.00	0.83	7.365	O	|	|	|	|	9.68	31.333	0.00	0.82	7.012	O	|	|	|	|	9.39
26.250	0.00	0.83	7.360	O	|	|	|	|	9.67	31.417	0.00	0.82	7.007	O	|	|	|	|	9.38
26.333	0.00	0.83	7.354	O	|	|	|	|	9.67	31.500	0.00	0.82	7.001	O	|	|	|	|	9.38
26.417	0.00	0.83	7.348	O	|	|	|	|	9.66	31.583	0.00	0.82	6.995	O	|	|	|	|	9.37
26.500	0.00	0.83	7.342	O	|	|	|	|	9.66	31.667	0.00	0.82	6.990	O	|	|	|	|	9.37
26.583	0.00	0.83	7.337	O	|	|	|	|	9.65	31.750	0.00	0.82	6.984	O	|	|	|	|	9.36
26.667	0.00	0.83	7.331	O	|	|	|	|	9.65	31.833	0.00	0.82	6.979	O	|	|	|	|	9.36
26.750	0.00	0.83	7.325	O	|	|	|	|	9.65	31.917	0.00	0.82	6.973	O	|	|	|	|	9.35
26.833	0.00	0.83	7.319	O	|	|	|	|	9.64	32.000	0.00	0.82	6.967	O	|	|	|	|	9.35
26.917	0.00	0.83	7.314	O	|	|	|	|	9.64	32.083	0.00	0.82	6.962	O	|	|	|	|	9.34
27.000	0.00	0.83	7.308	O	|	|	|	|	9.63	32.167	0.00	0.82	6.956	O	|	|	|	|	9.34
27.083	0.00	0.83	7.302	O	|	|	|	|	9.63	32.250	0.00	0.82	6.950	O	|	|	|	|	9.33
27.167	0.00	0.83	7.296	O	|	|	|	|	9.62	32.333	0.00	0.82	6.945	O	|	|	|	|	9.33
27.250	0.00	0.83	7.291	O	|	|	|	|	9.62	32.417	0.00	0.82	6.939	O	|	|	|	|	9.33
27.333	0.00	0.83	7.285	O	|	|	|	|	9.61	32.500	0.00	0.82	6.933	O	|	|	|	|	9.32
27.417	0.00	0.83	7.279	O	|	|	|	|	9.61	32.583	0.00	0.82	6.928	O	|	|	|	|	9.32
27.500	0.00	0.83	7.274	O	|	|	|	|	9.60	32.667	0.00	0.82	6.922	O	|	|	|	|	9.31
27.583	0.00	0.83	7.268	O	|	|	|	|	9.60	32.750	0.00	0.82	6.917	O	|	|	|	|	9.31
27.667	0.00	0.83	7.262	O	|	|	|	|	9.59	32.833	0.00	0.82	6.911	O	|	|	|	|	9.30
27.750	0.00	0.83	7.256	O	|	|	|	|	9.59	32.917	0.00	0.81	6.905	O	|	|	|	|	9.30
27.833	0.00	0.83	7.251	O	|	|	|	|	9.58	33.000	0.00	0.81	6.900	O	|	|	|	|	9.29
27.917	0.00	0.83	7.245	O	|	|	|	|	9.58	33.083	0.00	0.81	6.894	O	|	|	|	|	9.29
28.000	0.00	0.83	7.239	O	|	|	|	|	9.57	33.167	0.00	0.81	6.889	O	|	|	|	|	9.28
28.083	0.00	0.83	7.234	O	|	|	|	|	9.57	33.250	0.00	0.81	6.883	O	|	|	|	|	9.28
28.167	0.00	0.83	7.228	O	|	|	|	|	9.56	33.333	0.00	0.81	6.877	O	|	|	|	|	9.27
28.250	0.00	0.83	7.222	O	|	|	|	|	9.56	33.417	0.00	0.81	6.872	O	|	|	|	|	9.27
28.333	0.00	0.83	7.217	O	|	|	|	|	9.56	33.500	0.00	0.81	6.866	O	|	|	|	|	9.26
28.417	0.00	0.83	7.211	O	|	|	|	|	9.55	33.583	0.00	0.81	6.861	O	|	|	|	|	9.26
28.500	0.00	0.83	7.205	O	|	|	|	|	9.55	33.667	0.00	0.81	6.855	O	|	|	|	|	9.26
28.583	0.00	0.83	7.199	O	|	|	|	|	9.54	33.750	0.00	0.81	6.849	O	|	|	|	|	9.25
28.667	0.00	0.83	7.194	O	|	|	|	|	9.54	33.833	0.00	0.81	6.844	O	|	|	|	|	9.25
28.750	0.00	0.83	7.188	O	|	|	|	|	9.53	33.917	0.00	0.81	6.838	O	|	|	|	|	9.24
28.833	0.00	0.83	7.182	O	|	|	|	|	9.53	34.000	0.00	0.81	6.833	O	|	|	|	|	9.24
28.917	0.00	0.83	7.177	O	|	|	|	|	9.52	34.083	0.00	0.81	6.827	O	|	|	|	|	9.23
29.000	0.00	0.83	7.171	O	|	|	|	|	9.52	34.167	0.00	0.81	6.821	O	|	|	|	|	9.23
29.083	0.00	0.83	7.165	O	|	|	|	|	9.51	34.250	0.00	0.81	6.816	O	|	|	|	|	9.22
29.167	0.00	0.83	7.160	O	|	|	|	|	9.51	34.333	0.00	0.81	6.810	O	|	|	|	|	9.22
29.250	0.00	0.83	7.154	O	|	|	|	|	9.50	34.417	0.00	0.81	6.805	O	|	|	|	|	9.21
29.333	0.00	0.82	7.148	O	|	|	|	|	9.50	34.500	0.00	0.81	6.799	O	|	|	|	|	9.21
29.417	0.00	0.82	7.143	O	|	|	|	|	9.49	34.583	0.00	0.81	6.793	O	|	|	|	|	9.20
29.500	0.00	0.82	7.137	O	|	|	|	|	9.49	34.667	0.00	0.81	6.788	O	|	|	|	|	9.20
29.583	0.00	0.82	7.131	O	|	|	|	|	9.48	34.750	0.00	0.81	6.782	O	|	|	|	|	9.20
29.667	0.00	0.82	7.126	O	|	|	|	|	9.48	34.833	0.00	0.81	6.777	O	|	|	|	|	9.19
29.750	0.00	0.82	7.120	O	|	|	|	|	9.47	34.917	0.00	0.81	6.771	O	|	|	|	|	9.19
29.833	0.00	0.82	7.114	O	|	|	|	|	9.47	35.000	0.00	0.81	6.766	O	|	|	|	|	9.18
29.917	0.00	0.82	7.108	O	|	|	|	|	9.47	35.083	0.00	0.81	6.760	O	|	|	|	|	9.18
30.000	0.00	0.82	7.103	O	|	|	|	|	9.46	35.167	0.00	0.81	6.754	O	|	|	|	|	9.17
30.083	0.00	0.82	7.097	O	|	|	|	|	9.46	35.250	0.00	0.81	6.749	O	|	|	|	|	9.17
30.167	0.00	0.82	7.091	O	|	|	|	|	9.45	35.333	0.00	0.81	6.743	O	|	|	|	|	9.16
30.250	0.00	0.82	7.086	O	|	|	|	|	9.45	35.417	0.00	0.81	6.738	O	|	|	|	|	9.16
30.333	0.00	0.82	7.080	O	|	|	|	|	9.44	35.500	0.00	0.81	6.732	O	|	|	|	|	9.15
30.417	0.00	0.82	7.074	O	|	|	|	|	9.44	35.583	0.00	0.81	6.727	O	|	|	|	|	9.15
30.500	0.00	0.82	7.069	O	|	|	|	|	9.43	35.667	0.00	0.81	6.721	O	|	|	|	|	9.14

35.750	0.00	0.81	6.716	O	|	|	|	|	9.14	40.917	0.00	0.79	6.374	O	|	|	|	|	8.84
35.833	0.00	0.81	6.710	O	|	|	|	|	9.14	41.000	0.00	0.79	6.368	O	|	|	|	|	8.84
35.917	0.00	0.81	6.704	O	|	|	|	|	9.13	41.083	0.00	0.79	6.363	O	|	|	|	|	8.83
36.000	0.00	0.81	6.699	O	|	|	|	|	9.13	41.167	0.00	0.79	6.357	O	|	|	|	|	8.83
36.083	0.00	0.81	6.693	O	|	|	|	|	9.12	41.250	0.00	0.79	6.352	O	|	|	|	|	8.82
36.167	0.00	0.81	6.688	O	|	|	|	|	9.12	41.333	0.00	0.79	6.347	O	|	|	|	|	8.82
36.250	0.00	0.81	6.682	O	|	|	|	|	9.11	41.417	0.00	0.79	6.341	O	|	|	|	|	8.81
36.333	0.00	0.81	6.677	O	|	|	|	|	9.11	41.500	0.00	0.79	6.336	O	|	|	|	|	8.81
36.417	0.00	0.81	6.671	O	|	|	|	|	9.10	41.583	0.00	0.79	6.330	O	|	|	|	|	8.80
36.500	0.00	0.80	6.666	O	|	|	|	|	9.10	41.667	0.00	0.79	6.325	O	|	|	|	|	8.80
36.583	0.00	0.80	6.660	O	|	|	|	|	9.09	41.750	0.00	0.79	6.319	O	|	|	|	|	8.79
36.667	0.00	0.80	6.654	O	|	|	|	|	9.09	41.833	0.00	0.79	6.314	O	|	|	|	|	8.79
36.750	0.00	0.80	6.649	O	|	|	|	|	9.08	41.917	0.00	0.79	6.308	O	|	|	|	|	8.78
36.833	0.00	0.80	6.643	O	|	|	|	|	9.08	42.000	0.00	0.79	6.303	O	|	|	|	|	8.78
36.917	0.00	0.80	6.638	O	|	|	|	|	9.08	42.083	0.00	0.79	6.297	O	|	|	|	|	8.77
37.000	0.00	0.80	6.632	O	|	|	|	|	9.07	42.167	0.00	0.79	6.292	O	|	|	|	|	8.77
37.083	0.00	0.80	6.627	O	|	|	|	|	9.07	42.250	0.00	0.79	6.287	O	|	|	|	|	8.76
37.167	0.00	0.80	6.621	O	|	|	|	|	9.06	42.333	0.00	0.79	6.281	O	|	|	|	|	8.76
37.250	0.00	0.80	6.616	O	|	|	|	|	9.06	42.417	0.00	0.79	6.276	O	|	|	|	|	8.75
37.333	0.00	0.80	6.610	O	|	|	|	|	9.05	42.500	0.00	0.79	6.270	O	|	|	|	|	8.75
37.417	0.00	0.80	6.605	O	|	|	|	|	9.05	42.583	0.00	0.79	6.265	O	|	|	|	|	8.74
37.500	0.00	0.80	6.599	O	|	|	|	|	9.04	42.667	0.00	0.79	6.259	O	|	|	|	|	8.74
37.583	0.00	0.80	6.594	O	|	|	|	|	9.04	42.750	0.00	0.79	6.254	O	|	|	|	|	8.73
37.667	0.00	0.80	6.588	O	|	|	|	|	9.03	42.833	0.00	0.79	6.249	O	|	|	|	|	8.73
37.750	0.00	0.80	6.583	O	|	|	|	|	9.03	42.917	0.00	0.79	6.243	O	|	|	|	|	8.72
37.833	0.00	0.80	6.577	O	|	|	|	|	9.02	43.000	0.00	0.79	6.238	O	|	|	|	|	8.72
37.917	0.00	0.80	6.572	O	|	|	|	|	9.02	43.083	0.00	0.79	6.232	O	|	|	|	|	8.71
38.000	0.00	0.80	6.566	O	|	|	|	|	9.02	43.167	0.00	0.79	6.227	O	|	|	|	|	8.71
38.083	0.00	0.80	6.561	O	|	|	|	|	9.01	43.250	0.00	0.79	6.221	O	|	|	|	|	8.70
38.167	0.00	0.80	6.555	O	|	|	|	|	9.01	43.333	0.00	0.79	6.216	O	|	|	|	|	8.70
38.250	0.00	0.80	6.550	O	|	|	|	|	9.00	43.417	0.00	0.79	6.211	O	|	|	|	|	8.69
38.333	0.00	0.80	6.544	O	|	|	|	|	9.00	43.500	0.00	0.79	6.205	O	|	|	|	|	8.69
38.417	0.00	0.80	6.538	O	|	|	|	|	8.99	43.583	0.00	0.79	6.200	O	|	|	|	|	8.68
38.500	0.00	0.80	6.533	O	|	|	|	|	8.99	43.667	0.00	0.79	6.194	O	|	|	|	|	8.68
38.583	0.00	0.80	6.527	O	|	|	|	|	8.98	43.750	0.00	0.79	6.189	O	|	|	|	|	8.67
38.667	0.00	0.80	6.522	O	|	|	|	|	8.98	43.833	0.00	0.79	6.183	O	|	|	|	|	8.67
38.750	0.00	0.80	6.516	O	|	|	|	|	8.97	43.917	0.00	0.79	6.178	O	|	|	|	|	8.66
38.833	0.00	0.80	6.511	O	|	|	|	|	8.97	44.000	0.00	0.79	6.173	O	|	|	|	|	8.66
38.917	0.00	0.80	6.505	O	|	|	|	|	8.96	44.083	0.00	0.79	6.167	O	|	|	|	|	8.65
39.000	0.00	0.80	6.500	O	|	|	|	|	8.96	44.167	0.00	0.79	6.162	O	|	|	|	|	8.65
39.083	0.00	0.80	6.494	O	|	|	|	|	8.95	44.250	0.00	0.79	6.156	O	|	|	|	|	8.64
39.167	0.00	0.80	6.489	O	|	|	|	|	8.95	44.333	0.00	0.79	6.151	O	|	|	|	|	8.64
39.250	0.00	0.80	6.483	O	|	|	|	|	8.94	44.417	0.00	0.79	6.146	O	|	|	|	|	8.63
39.333	0.00	0.80	6.478	O	|	|	|	|	8.94	44.500	0.00	0.79	6.140	O	|	|	|	|	8.63
39.417	0.00	0.80	6.472	O	|	|	|	|	8.93	44.583	0.00	0.78	6.135	O	|	|	|	|	8.62
39.500	0.00	0.80	6.467	O	|	|	|	|	8.93	44.667	0.00	0.78	6.129	O	|	|	|	|	8.62
39.583	0.00	0.80	6.462	O	|	|	|	|	8.92	44.750	0.00	0.78	6.124	O	|	|	|	|	8.61
39.667	0.00	0.80	6.456	O	|	|	|	|	8.92	44.833	0.00	0.78	6.118	O	|	|	|	|	8.61
39.750	0.00	0.80	6.451	O	|	|	|	|	8.91	44.917	0.00	0.78	6.113	O	|	|	|	|	8.61
39.833	0.00	0.80	6.445	O	|	|	|	|	8.91	45.000	0.00	0.78	6.108	O	|	|	|	|	8.60
39.917	0.00	0.80	6.440	O	|	|	|	|	8.90	45.083	0.00	0.78	6.102	O	|	|	|	|	8.60
40.000	0.00	0.80	6.434	O	|	|	|	|	8.90	45.167	0.00	0.78	6.097	O	|	|	|	|	8.59
40.083	0.00	0.80	6.429	O	|	|	|	|	8.89	45.250	0.00	0.78	6.091	O	|	|	|	|	8.59
40.167	0.00	0.80	6.423	O	|	|	|	|	8.89	45.333	0.00	0.78	6.086	O	|	|	|	|	8.58
40.250	0.00	0.80	6.418	O	|	|	|	|	8.88	45.417	0.00	0.78	6.081	O	|	|	|	|	8.58
40.333	0.00	0.80	6.412	O	|	|	|	|	8.88	45.500	0.00	0.78	6.075	O	|	|	|	|	8.57
40.417	0.00	0.79	6.407	O	|	|	|	|	8.87	45.583	0.00	0.78	6.070	O	|	|	|	|	8.57
40.500	0.00	0.79	6.401	O	|	|	|	|	8.87	45.667	0.00	0.78	6.065	O	|	|	|	|	8.56
40.583	0.00	0.79	6.396	O	|	|	|	|	8.86	45.750	0.00	0.78	6.059	O	|	|	|	|	8.56
40.667	0.00	0.79	6.390	O	|	|	|	|	8.86	45.833	0.00	0.78	6.054	O	|	|	|	|	8.55
40.750	0.00	0.79	6.385	O	|	|	|	|	8.85	45.917	0.00	0.78	6.048	O	|	|	|	|	8.55
40.833	0.00	0.79	6.379	O	|	|	|	|	8.85	46.000	0.00	0.78	6.043	O	|	|	|	|	8.54

46.083	0.00	0.78	6.038	O	|	|	|	|	8.54	51.250	0.00	0.77	5.706	O	|	|	|	|	8.24
46.167	0.00	0.78	6.032	O	|	|	|	|	8.53	51.333	0.00	0.77	5.701	O	|	|	|	|	8.23
46.250	0.00	0.78	6.027	O	|	|	|	|	8.53	51.417	0.00	0.77	5.696	O	|	|	|	|	8.23
46.333	0.00	0.78	6.021	O	|	|	|	|	8.52	51.500	0.00	0.77	5.691	O	|	|	|	|	8.22
46.417	0.00	0.78	6.016	O	|	|	|	|	8.52	51.583	0.00	0.77	5.685	O	|	|	|	|	8.22
46.500	0.00	0.78	6.011	O	|	|	|	|	8.51	51.667	0.00	0.77	5.680	O	|	|	|	|	8.21
46.583	0.00	0.78	6.005	O	|	|	|	|	8.51	51.750	0.00	0.77	5.675	O	|	|	|	|	8.21
46.667	0.00	0.78	6.000	O	|	|	|	|	8.50	51.833	0.00	0.77	5.669	O	|	|	|	|	8.20
46.750	0.00	0.78	5.995	O	|	|	|	|	8.50	51.917	0.00	0.77	5.664	O	|	|	|	|	8.20
46.833	0.00	0.78	5.989	O	|	|	|	|	8.49	52.000	0.00	0.77	5.659	O	|	|	|	|	8.19
46.917	0.00	0.78	5.984	O	|	|	|	|	8.49	52.083	0.00	0.77	5.654	O	|	|	|	|	8.19
47.000	0.00	0.78	5.978	O	|	|	|	|	8.48	52.167	0.00	0.77	5.648	O	|	|	|	|	8.18
47.083	0.00	0.78	5.973	O	|	|	|	|	8.48	52.250	0.00	0.77	5.643	O	|	|	|	|	8.18
47.167	0.00	0.78	5.968	O	|	|	|	|	8.47	52.333	0.00	0.77	5.638	O	|	|	|	|	8.17
47.250	0.00	0.78	5.962	O	|	|	|	|	8.47	52.417	0.00	0.77	5.632	O	|	|	|	|	8.17
47.333	0.00	0.78	5.957	O	|	|	|	|	8.46	52.500	0.00	0.77	5.627	O	|	|	|	|	8.16
47.417	0.00	0.78	5.952	O	|	|	|	|	8.46	52.583	0.00	0.77	5.622	O	|	|	|	|	8.16
47.500	0.00	0.78	5.946	O	|	|	|	|	8.45	52.667	0.00	0.77	5.617	O	|	|	|	|	8.15
47.583	0.00	0.78	5.941	O	|	|	|	|	8.45	52.750	0.00	0.77	5.611	O	|	|	|	|	8.15
47.667	0.00	0.78	5.936	O	|	|	|	|	8.44	52.833	0.00	0.77	5.606	O	|	|	|	|	8.14
47.750	0.00	0.78	5.930	O	|	|	|	|	8.44	52.917	0.00	0.77	5.601	O	|	|	|	|	8.14
47.833	0.00	0.78	5.925	O	|	|	|	|	8.43	53.000	0.00	0.77	5.596	O	|	|	|	|	8.13
47.917	0.00	0.78	5.920	O	|	|	|	|	8.43	53.083	0.00	0.77	5.590	O	|	|	|	|	8.13
48.000	0.00	0.78	5.914	O	|	|	|	|	8.42	53.167	0.00	0.76	5.585	O	|	|	|	|	8.12
48.083	0.00	0.78	5.909	O	|	|	|	|	8.42	53.250	0.00	0.76	5.580	O	|	|	|	|	8.12
48.167	0.00	0.78	5.903	O	|	|	|	|	8.41	53.333	0.00	0.76	5.574	O	|	|	|	|	8.12
48.250	0.00	0.78	5.898	O	|	|	|	|	8.41	53.417	0.00	0.76	5.569	O	|	|	|	|	8.11
48.333	0.00	0.78	5.893	O	|	|	|	|	8.40	53.500	0.00	0.76	5.564	O	|	|	|	|	8.11
48.417	0.00	0.78	5.887	O	|	|	|	|	8.40	53.583	0.00	0.76	5.559	O	|	|	|	|	8.10
48.500	0.00	0.78	5.882	O	|	|	|	|	8.39	53.667	0.00	0.76	5.553	O	|	|	|	|	8.10
48.583	0.00	0.78	5.877	O	|	|	|	|	8.39	53.750	0.00	0.76	5.548	O	|	|	|	|	8.09
48.667	0.00	0.78	5.871	O	|	|	|	|	8.39	53.833	0.00	0.76	5.543	O	|	|	|	|	8.09
48.750	0.00	0.78	5.866	O	|	|	|	|	8.38	53.917	0.00	0.76	5.538	O	|	|	|	|	8.08
48.833	0.00	0.78	5.861	O	|	|	|	|	8.38	54.000	0.00	0.76	5.532	O	|	|	|	|	8.08
48.917	0.00	0.77	5.855	O	|	|	|	|	8.37	54.083	0.00	0.76	5.527	O	|	|	|	|	8.07
49.000	0.00	0.77	5.850	O	|	|	|	|	8.37	54.167	0.00	0.76	5.522	O	|	|	|	|	8.07
49.083	0.00	0.77	5.845	O	|	|	|	|	8.36	54.250	0.00	0.76	5.517	O	|	|	|	|	8.06
49.167	0.00	0.77	5.839	O	|	|	|	|	8.36	54.333	0.00	0.76	5.511	O	|	|	|	|	8.06
49.250	0.00	0.77	5.834	O	|	|	|	|	8.35	54.417	0.00	0.76	5.506	O	|	|	|	|	8.05
49.333	0.00	0.77	5.829	O	|	|	|	|	8.35	54.500	0.00	0.76	5.501	O	|	|	|	|	8.05
49.417	0.00	0.77	5.823	O	|	|	|	|	8.34	54.583	0.00	0.76	5.496	O	|	|	|	|	8.04
49.500	0.00	0.77	5.818	O	|	|	|	|	8.34	54.667	0.00	0.76	5.490	O	|	|	|	|	8.04
49.583	0.00	0.77	5.813	O	|	|	|	|	8.33	54.750	0.00	0.76	5.485	O	|	|	|	|	8.03
49.667	0.00	0.77	5.807	O	|	|	|	|	8.33	54.833	0.00	0.76	5.480	O	|	|	|	|	8.03
49.750	0.00	0.77	5.802	O	|	|	|	|	8.32	54.917	0.00	0.76	5.475	O	|	|	|	|	8.02
49.833	0.00	0.77	5.797	O	|	|	|	|	8.32	55.000	0.00	0.76	5.469	O	|	|	|	|	8.02
49.917	0.00	0.77	5.791	O	|	|	|	|	8.31	55.083	0.00	0.76	5.464	O	|	|	|	|	8.01
50.000	0.00	0.77	5.786	O	|	|	|	|	8.31	55.167	0.00	0.76	5.459	O	|	|	|	|	8.01
50.083	0.00	0.77	5.781	O	|	|	|	|	8.30	55.250	0.00	0.76	5.454	O	|	|	|	|	8.01
50.167	0.00	0.77	5.775	O	|	|	|	|	8.30	55.333	0.00	0.76	5.448	O	|	|	|	|	8.00
50.250	0.00	0.77	5.770	O	|	|	|	|	8.29	55.417	0.00	0.76	5.443	O	|	|	|	|	8.00
50.333	0.00	0.77	5.765	O	|	|	|	|	8.29	55.500	0.00	0.76	5.438	O	|	|	|	|	7.99
50.417	0.00	0.77	5.760	O	|	|	|	|	8.28	55.583	0.00	0.76	5.433	O	|	|	|	|	7.98
50.500	0.00	0.77	5.754	O	|	|	|	|	8.28	55.667	0.00	0.76	5.428	O	|	|	|	|	7.98
50.583	0.00	0.77	5.749	O	|	|	|	|	8.27	55.750	0.00	0.76	5.422	O	|	|	|	|	7.97
50.667	0.00	0.77	5.744	O	|	|	|	|	8.27	55.833	0.00	0.76	5.417	O	|	|	|	|	7.97
50.750	0.00	0.77	5.738	O	|	|	|	|	8.26	55.917	0.00	0.76	5.412	O	|	|	|	|	7.96
50.833	0.00	0.77	5.733	O	|	|	|	|	8.26	56.000	0.00	0.76	5.407	O	|	|	|	|	7.96
50.917	0.00	0.77	5.728	O	|	|	|	|	8.25	56.083	0.00	0.76	5.401	O	|	|	|	|	7.95
51.000	0.00	0.77	5.722	O	|	|	|	|	8.25	56.167	0.00	0.76	5.396	O	|	|	|	|	7.95
51.083	0.00	0.77	5.717	O	|	|	|	|	8.24	56.250	0.00	0.76	5.391	O	|	|	|	|	7.94
51.167	0.00	0.77	5.712	O	|	|	|	|	8.24	56.333	0.00	0.76	5.386	O	|	|	|	|	7.94

56.417	0.00	0.76	5.381	O	|	|	|	|	7.93	61.583	0.00	0.74	5.061	O	|	|	|	|	7.61
56.500	0.00	0.76	5.375	O	|	|	|	|	7.93	61.667	0.00	0.74	5.056	O	|	|	|	|	7.61
56.583	0.00	0.76	5.370	O	|	|	|	|	7.92	61.750	0.00	0.74	5.051	O	|	|	|	|	7.60
56.667	0.00	0.76	5.365	O	|	|	|	|	7.92	61.833	0.00	0.74	5.046	O	|	|	|	|	7.60
56.750	0.00	0.76	5.360	O	|	|	|	|	7.91	61.917	0.00	0.74	5.041	O	|	|	|	|	7.59
56.833	0.00	0.76	5.355	O	|	|	|	|	7.91	62.000	0.00	0.74	5.035	O	|	|	|	|	7.59
56.917	0.00	0.76	5.349	O	|	|	|	|	7.90	62.083	0.00	0.74	5.030	O	|	|	|	|	7.58
57.000	0.00	0.75	5.344	O	|	|	|	|	7.90	62.167	0.00	0.74	5.025	O	|	|	|	|	7.58
57.083	0.00	0.75	5.339	O	|	|	|	|	7.89	62.250	0.00	0.74	5.020	O	|	|	|	|	7.57
57.167	0.00	0.75	5.334	O	|	|	|	|	7.89	62.333	0.00	0.74	5.015	O	|	|	|	|	7.56
57.250	0.00	0.75	5.329	O	|	|	|	|	7.88	62.417	0.00	0.74	5.010	O	|	|	|	|	7.56
57.333	0.00	0.75	5.323	O	|	|	|	|	7.87	62.500	0.00	0.74	5.005	O	|	|	|	|	7.55
57.417	0.00	0.75	5.318	O	|	|	|	|	7.87	62.583	0.00	0.74	5.000	O	|	|	|	|	7.55
57.500	0.00	0.75	5.313	O	|	|	|	|	7.86	62.667	0.00	0.74	4.995	O	|	|	|	|	7.54
57.583	0.00	0.75	5.308	O	|	|	|	|	7.86	62.750	0.00	0.74	4.990	O	|	|	|	|	7.54
57.667	0.00	0.75	5.303	O	|	|	|	|	7.85	62.833	0.00	0.74	4.985	O	|	|	|	|	7.53
57.750	0.00	0.75	5.297	O	|	|	|	|	7.85	62.917	0.00	0.74	4.980	O	|	|	|	|	7.53
57.833	0.00	0.75	5.292	O	|	|	|	|	7.84	63.000	0.00	0.74	4.974	O	|	|	|	|	7.52
57.917	0.00	0.75	5.287	O	|	|	|	|	7.84	63.083	0.00	0.74	4.969	O	|	|	|	|	7.52
58.000	0.00	0.75	5.282	O	|	|	|	|	7.83	63.167	0.00	0.74	4.964	O	|	|	|	|	7.51
58.083	0.00	0.75	5.277	O	|	|	|	|	7.83	63.250	0.00	0.74	4.959	O	|	|	|	|	7.51
58.167	0.00	0.75	5.272	O	|	|	|	|	7.82	63.333	0.00	0.74	4.954	O	|	|	|	|	7.50
58.250	0.00	0.75	5.266	O	|	|	|	|	7.82	63.417	0.00	0.73	4.949	O	|	|	|	|	7.50
58.333	0.00	0.75	5.261	O	|	|	|	|	7.81	63.500	0.00	0.73	4.944	O	|	|	|	|	7.49
58.417	0.00	0.75	5.256	O	|	|	|	|	7.81	63.583	0.00	0.73	4.939	O	|	|	|	|	7.49
58.500	0.00	0.75	5.251	O	|	|	|	|	7.80	63.667	0.00	0.73	4.934	O	|	|	|	|	7.48
58.583	0.00	0.75	5.246	O	|	|	|	|	7.80	63.750	0.00	0.73	4.929	O	|	|	|	|	7.48
58.667	0.00	0.75	5.241	O	|	|	|	|	7.79	63.833	0.00	0.73	4.924	O	|	|	|	|	7.47
58.750	0.00	0.75	5.235	O	|	|	|	|	7.79	63.917	0.00	0.73	4.919	O	|	|	|	|	7.47
58.833	0.00	0.75	5.230	O	|	|	|	|	7.78	64.000	0.00	0.73	4.914	O	|	|	|	|	7.46
58.917	0.00	0.75	5.225	O	|	|	|	|	7.78	64.083	0.00	0.73	4.909	O	|	|	|	|	7.46
59.000	0.00	0.75	5.220	O	|	|	|	|	7.77	64.167	0.00	0.73	4.904	O	|	|	|	|	7.45
59.083	0.00	0.75	5.215	O	|	|	|	|	7.77	64.250	0.00	0.73	4.899	O	|	|	|	|	7.45
59.167	0.00	0.75	5.210	O	|	|	|	|	7.76	64.333	0.00	0.73	4.894	O	|	|	|	|	7.44
59.250	0.00	0.75	5.204	O	|	|	|	|	7.76	64.417	0.00	0.73	4.889	O	|	|	|	|	7.44
59.333	0.00	0.75	5.199	O	|	|	|	|	7.75	64.500	0.00	0.73	4.883	O	|	|	|	|	7.43
59.417	0.00	0.75	5.194	O	|	|	|	|	7.74	64.583	0.00	0.73	4.878	O	|	|	|	|	7.43
59.500	0.00	0.75	5.189	O	|	|	|	|	7.74	64.667	0.00	0.73	4.873	O	|	|	|	|	7.42
59.583	0.00	0.75	5.184	O	|	|	|	|	7.73	64.750	0.00	0.73	4.868	O	|	|	|	|	7.42
59.667	0.00	0.75	5.179	O	|	|	|	|	7.73	64.833	0.00	0.73	4.863	O	|	|	|	|	7.41
59.750	0.00	0.75	5.174	O	|	|	|	|	7.72	64.917	0.00	0.73	4.858	O	|	|	|	|	7.41
59.833	0.00	0.75	5.168	O	|	|	|	|	7.72	65.000	0.00	0.73	4.853	O	|	|	|	|	7.40
59.917	0.00	0.75	5.163	O	|	|	|	|	7.71	65.083	0.00	0.73	4.848	O	|	|	|	|	7.40
60.000	0.00	0.75	5.158	O	|	|	|	|	7.71	65.167	0.00	0.73	4.843	O	|	|	|	|	7.39
60.083	0.00	0.75	5.153	O	|	|	|	|	7.70	65.250	0.00	0.73	4.838	O	|	|	|	|	7.39
60.167	0.00	0.74	5.148	O	|	|	|	|	7.70	65.333	0.00	0.73	4.833	O	|	|	|	|	7.38
60.250	0.00	0.74	5.143	O	|	|	|	|	7.69	65.417	0.00	0.73	4.828	O	|	|	|	|	7.38
60.333	0.00	0.74	5.138	O	|	|	|	|	7.69	65.500	0.00	0.73	4.823	O	|	|	|	|	7.37
60.417	0.00	0.74	5.132	O	|	|	|	|	7.68	65.583	0.00	0.73	4.818	O	|	|	|	|	7.37
60.500	0.00	0.74	5.127	O	|	|	|	|	7.68	65.667	0.00	0.73	4.813	O	|	|	|	|	7.36
60.583	0.00	0.74	5.122	O	|	|	|	|	7.67	65.750	0.00	0.73	4.808	O	|	|	|	|	7.36
60.667	0.00	0.74	5.117	O	|	|	|	|	7.67	65.833	0.00	0.73	4.803	O	|	|	|	|	7.35
60.750	0.00	0.74	5.112	O	|	|	|	|	7.66	65.917	0.00	0.73	4.798	O	|	|	|	|	7.35
60.833	0.00	0.74	5.107	O	|	|	|	|	7.66	66.000	0.00	0.73	4.793	O	|	|	|	|	7.34
60.917	0.00	0.74	5.102	O	|	|	|	|	7.65	66.083	0.00	0.73	4.788	O	|	|	|	|	7.34
61.000	0.00	0.74	5.097	O	|	|	|	|	7.65	66.167	0.00	0.73	4.783	O	|	|	|	|	7.33
61.083	0.00	0.74	5.092	O	|	|	|	|	7.64	66.250	0.00	0.73	4.778	O	|	|	|	|	7.33
61.167	0.00	0.74	5.086	O	|	|	|	|	7.64	66.333	0.00	0.73	4.773	O	|	|	|	|	7.32
61.250	0.00	0.74	5.081	O	|	|	|	|	7.63	66.417	0.00	0.73	4.768	O	|	|	|	|	7.32
61.333	0.00	0.74	5.076	O	|	|	|	|	7.63	66.500	0.00	0.73	4.763	O	|	|	|	|	7.31
61.417	0.00	0.74	5.071	O	|	|	|	|	7.62	66.583	0.00	0.73	4.758	O	|	|	|	|	7.31
61.500	0.00	0.74	5.066	O	|	|	|	|	7.62	66.667	0.00	0.73	4.753	O	|	|	|	|	7.30

66.750	0.00	0.72	4.748	O	|	|	|	|	7.30	71.917	0.00	0.71	4.442	O	|	|	|	|	6.99
66.833	0.00	0.72	4.743	O	|	|	|	|	7.29	72.000	0.00	0.71	4.437	O	|	|	|	|	6.98
66.917	0.00	0.72	4.738	O	|	|	|	|	7.29	72.083	0.00	0.71	4.432	O	|	|	|	|	6.98
67.000	0.00	0.72	4.733	O	|	|	|	|	7.28	72.167	0.00	0.71	4.427	O	|	|	|	|	6.97
67.083	0.00	0.72	4.728	O	|	|	|	|	7.28	72.250	0.00	0.71	4.422	O	|	|	|	|	6.97
67.167	0.00	0.72	4.723	O	|	|	|	|	7.27	72.333	0.00	0.71	4.417	O	|	|	|	|	6.96
67.250	0.00	0.72	4.718	O	|	|	|	|	7.27	72.417	0.00	0.71	4.413	O	|	|	|	|	6.95
67.333	0.00	0.72	4.713	O	|	|	|	|	7.26	72.500	0.00	0.71	4.408	O	|	|	|	|	6.95
67.417	0.00	0.72	4.708	O	|	|	|	|	7.26	72.583	0.00	0.71	4.403	O	|	|	|	|	6.94
67.500	0.00	0.72	4.703	O	|	|	|	|	7.25	72.667	0.00	0.71	4.398	O	|	|	|	|	6.94
67.583	0.00	0.72	4.698	O	|	|	|	|	7.25	72.750	0.00	0.71	4.393	O	|	|	|	|	6.93
67.667	0.00	0.72	4.693	O	|	|	|	|	7.24	72.833	0.00	0.71	4.388	O	|	|	|	|	6.93
67.750	0.00	0.72	4.688	O	|	|	|	|	7.24	72.917	0.00	0.71	4.383	O	|	|	|	|	6.92
67.833	0.00	0.72	4.683	O	|	|	|	|	7.23	73.000	0.00	0.71	4.379	O	|	|	|	|	6.92
67.917	0.00	0.72	4.678	O	|	|	|	|	7.23	73.083	0.00	0.71	4.374	O	|	|	|	|	6.91
68.000	0.00	0.72	4.673	O	|	|	|	|	7.22	73.167	0.00	0.71	4.369	O	|	|	|	|	6.91
68.083	0.00	0.72	4.668	O	|	|	|	|	7.22	73.250	0.00	0.71	4.364	O	|	|	|	|	6.90
68.167	0.00	0.72	4.663	O	|	|	|	|	7.21	73.333	0.00	0.70	4.359	O	|	|	|	|	6.90
68.250	0.00	0.72	4.658	O	|	|	|	|	7.21	73.417	0.00	0.70	4.354	O	|	|	|	|	6.89
68.333	0.00	0.72	4.654	O	|	|	|	|	7.20	73.500	0.00	0.70	4.349	O	|	|	|	|	6.88
68.417	0.00	0.72	4.649	O	|	|	|	|	7.20	73.583	0.00	0.70	4.345	O	|	|	|	|	6.88
68.500	0.00	0.72	4.644	O	|	|	|	|	7.19	73.667	0.00	0.70	4.340	O	|	|	|	|	6.87
68.583	0.00	0.72	4.639	O	|	|	|	|	7.19	73.750	0.00	0.70	4.335	O	|	|	|	|	6.87
68.667	0.00	0.72	4.634	O	|	|	|	|	7.18	73.833	0.00	0.70	4.330	O	|	|	|	|	6.86
68.750	0.00	0.72	4.629	O	|	|	|	|	7.18	73.917	0.00	0.70	4.325	O	|	|	|	|	6.86
68.833	0.00	0.72	4.624	O	|	|	|	|	7.17	74.000	0.00	0.70	4.320	O	|	|	|	|	6.85
68.917	0.00	0.72	4.619	O	|	|	|	|	7.17	74.083	0.00	0.70	4.315	O	|	|	|	|	6.85
69.000	0.00	0.72	4.614	O	|	|	|	|	7.16	74.167	0.00	0.70	4.311	O	|	|	|	|	6.84
69.083	0.00	0.72	4.609	O	|	|	|	|	7.16	74.250	0.00	0.70	4.306	O	|	|	|	|	6.84
69.167	0.00	0.72	4.604	O	|	|	|	|	7.15	74.333	0.00	0.70	4.301	O	|	|	|	|	6.83
69.250	0.00	0.72	4.599	O	|	|	|	|	7.15	74.417	0.00	0.70	4.296	O	|	|	|	|	6.82
69.333	0.00	0.72	4.594	O	|	|	|	|	7.14	74.500	0.00	0.70	4.291	O	|	|	|	|	6.82
69.417	0.00	0.72	4.589	O	|	|	|	|	7.14	74.583	0.00	0.70	4.286	O	|	|	|	|	6.81
69.500	0.00	0.72	4.584	O	|	|	|	|	7.13	74.667	0.00	0.70	4.282	O	|	|	|	|	6.81
69.583	0.00	0.72	4.579	O	|	|	|	|	7.13	74.750	0.00	0.70	4.277	O	|	|	|	|	6.80
69.667	0.00	0.72	4.574	O	|	|	|	|	7.12	74.833	0.00	0.70	4.272	O	|	|	|	|	6.80
69.750	0.00	0.72	4.569	O	|	|	|	|	7.12	74.917	0.00	0.70	4.267	O	|	|	|	|	6.79
69.833	0.00	0.72	4.565	O	|	|	|	|	7.11	75.000	0.00	0.70	4.262	O	|	|	|	|	6.79
69.917	0.00	0.72	4.560	O	|	|	|	|	7.11	75.083	0.00	0.70	4.258	O	|	|	|	|	6.78
70.000	0.00	0.72	4.555	O	|	|	|	|	7.10	75.167	0.00	0.70	4.253	O	|	|	|	|	6.78
70.083	0.00	0.71	4.550	O	|	|	|	|	7.10	75.250	0.00	0.70	4.248	O	|	|	|	|	6.77
70.167	0.00	0.71	4.545	O	|	|	|	|	7.09	75.333	0.00	0.70	4.243	O	|	|	|	|	6.77
70.250	0.00	0.71	4.540	O	|	|	|	|	7.09	75.417	0.00	0.70	4.238	O	|	|	|	|	6.76
70.333	0.00	0.71	4.535	O	|	|	|	|	7.08	75.500	0.00	0.70	4.234	O	|	|	|	|	6.76
70.417	0.00	0.71	4.530	O	|	|	|	|	7.08	75.583	0.00	0.70	4.229	O	|	|	|	|	6.75
70.500	0.00	0.71	4.525	O	|	|	|	|	7.07	75.667	0.00	0.70	4.224	O	|	|	|	|	6.74
70.583	0.00	0.71	4.520	O	|	|	|	|	7.07	75.750	0.00	0.70	4.219	O	|	|	|	|	6.74
70.667	0.00	0.71	4.515	O	|	|	|	|	7.06	75.833	0.00	0.70	4.214	O	|	|	|	|	6.73
70.750	0.00	0.71	4.510	O	|	|	|	|	7.06	75.917	0.00	0.70	4.210	O	|	|	|	|	6.73
70.833	0.00	0.71	4.506	O	|	|	|	|	7.05	76.000	0.00	0.70	4.205	O	|	|	|	|	6.72
70.917	0.00	0.71	4.501	O	|	|	|	|	7.05	76.083	0.00	0.70	4.200	O	|	|	|	|	6.72
71.000	0.00	0.71	4.496	O	|	|	|	|	7.04	76.167	0.00	0.70	4.195	O	|	|	|	|	6.71
71.083	0.00	0.71	4.491	O	|	|	|	|	7.04	76.250	0.00	0.70	4.190	O	|	|	|	|	6.71
71.167	0.00	0.71	4.486	O	|	|	|	|	7.03	76.333	0.00	0.70	4.186	O	|	|	|	|	6.70
71.250	0.00	0.71	4.481	O	|	|	|	|	7.03	76.417	0.00	0.69	4.181	O	|	|	|	|	6.70
71.333	0.00	0.71	4.476	O	|	|	|	|	7.02	76.500	0.00	0.69	4.176	O	|	|	|	|	6.69
71.417	0.00	0.71	4.471	O	|	|	|	|	7.02	76.583	0.00	0.69	4.171	O	|	|	|	|	6.69
71.500	0.00	0.71	4.466	O	|	|	|	|	7.01	76.667	0.00	0.69	4.166	O	|	|	|	|	6.68
71.583	0.00	0.71	4.461	O	|	|	|	|	7.01	76.750	0.00	0.69	4.162	O	|	|	|	|	6.67
71.667	0.00	0.71	4.457	O	|	|	|	|	7.00	76.833	0.00	0.69	4.157	O	|	|	|	|	6.67
71.750	0.00	0.71	4.452	O	|	|	|	|	7.00	76.917	0.00	0.69	4.152	O	|	|	|	|	6.66
71.833	0.00	0.71	4.447	O	|	|	|	|	6.99	77.000	0.00	0.69	4.147	O	|	|	|	|	6.66

77.083	0.00	0.69	4.143	O	|	|	|	|	6.65	82.250	0.00	0.68	3.850	O	|	|	|	|	6.33
77.167	0.00	0.69	4.138	O	|	|	|	|	6.65	82.333	0.00	0.68	3.846	O	|	|	|	|	6.32
77.250	0.00	0.69	4.133	O	|	|	|	|	6.64	82.417	0.00	0.68	3.841	O	|	|	|	|	6.32
77.333	0.00	0.69	4.128	O	|	|	|	|	6.64	82.500	0.00	0.68	3.836	O	|	|	|	|	6.31
77.417	0.00	0.69	4.123	O	|	|	|	|	6.63	82.583	0.00	0.68	3.832	O	|	|	|	|	6.31
77.500	0.00	0.69	4.119	O	|	|	|	|	6.63	82.667	0.00	0.68	3.827	O	|	|	|	|	6.30
77.583	0.00	0.69	4.114	O	|	|	|	|	6.62	82.750	0.00	0.67	3.822	O	|	|	|	|	6.30
77.667	0.00	0.69	4.109	O	|	|	|	|	6.62	82.833	0.00	0.67	3.818	O	|	|	|	|	6.29
77.750	0.00	0.69	4.104	O	|	|	|	|	6.61	82.917	0.00	0.67	3.813	O	|	|	|	|	6.29
77.833	0.00	0.69	4.100	O	|	|	|	|	6.61	83.000	0.00	0.67	3.808	O	|	|	|	|	6.28
77.917	0.00	0.69	4.095	O	|	|	|	|	6.60	83.083	0.00	0.67	3.804	O	|	|	|	|	6.28
78.000	0.00	0.69	4.090	O	|	|	|	|	6.60	83.167	0.00	0.67	3.799	O	|	|	|	|	6.27
78.083	0.00	0.69	4.085	O	|	|	|	|	6.59	83.250	0.00	0.67	3.795	O	|	|	|	|	6.27
78.167	0.00	0.69	4.081	O	|	|	|	|	6.58	83.333	0.00	0.67	3.790	O	|	|	|	|	6.26
78.250	0.00	0.69	4.076	O	|	|	|	|	6.58	83.417	0.00	0.67	3.785	O	|	|	|	|	6.25
78.333	0.00	0.69	4.071	O	|	|	|	|	6.57	83.500	0.00	0.67	3.781	O	|	|	|	|	6.25
78.417	0.00	0.69	4.066	O	|	|	|	|	6.57	83.583	0.00	0.67	3.776	O	|	|	|	|	6.24
78.500	0.00	0.69	4.062	O	|	|	|	|	6.56	83.667	0.00	0.67	3.771	O	|	|	|	|	6.24
78.583	0.00	0.69	4.057	O	|	|	|	|	6.56	83.750	0.00	0.67	3.767	O	|	|	|	|	6.23
78.667	0.00	0.69	4.052	O	|	|	|	|	6.55	83.833	0.00	0.67	3.762	O	|	|	|	|	6.23
78.750	0.00	0.69	4.048	O	|	|	|	|	6.55	83.917	0.00	0.67	3.757	O	|	|	|	|	6.22
78.833	0.00	0.69	4.043	O	|	|	|	|	6.54	84.000	0.00	0.67	3.753	O	|	|	|	|	6.22
78.917	0.00	0.69	4.038	O	|	|	|	|	6.54	84.083	0.00	0.67	3.748	O	|	|	|	|	6.21
79.000	0.00	0.69	4.033	O	|	|	|	|	6.53	84.167	0.00	0.67	3.744	O	|	|	|	|	6.21
79.083	0.00	0.69	4.029	O	|	|	|	|	6.53	84.250	0.00	0.67	3.739	O	|	|	|	|	6.20
79.167	0.00	0.69	4.024	O	|	|	|	|	6.52	84.333	0.00	0.67	3.734	O	|	|	|	|	6.20
79.250	0.00	0.69	4.019	O	|	|	|	|	6.52	84.417	0.00	0.67	3.730	O	|	|	|	|	6.19
79.333	0.00	0.69	4.014	O	|	|	|	|	6.51	84.500	0.00	0.67	3.725	O	|	|	|	|	6.19
79.417	0.00	0.69	4.010	O	|	|	|	|	6.51	84.583	0.00	0.67	3.721	O	|	|	|	|	6.18
79.500	0.00	0.68	4.005	O	|	|	|	|	6.50	84.667	0.00	0.67	3.716	O	|	|	|	|	6.18
79.583	0.00	0.68	4.000	O	|	|	|	|	6.49	84.750	0.00	0.67	3.711	O	|	|	|	|	6.17
79.667	0.00	0.68	3.996	O	|	|	|	|	6.49	84.833	0.00	0.67	3.707	O	|	|	|	|	6.17
79.750	0.00	0.68	3.991	O	|	|	|	|	6.48	84.917	0.00	0.67	3.702	O	|	|	|	|	6.16
79.833	0.00	0.68	3.986	O	|	|	|	|	6.48	85.000	0.00	0.67	3.698	O	|	|	|	|	6.16
79.917	0.00	0.68	3.981	O	|	|	|	|	6.47	85.083	0.00	0.67	3.693	O	|	|	|	|	6.15
80.000	0.00	0.68	3.977	O	|	|	|	|	6.47	85.167	0.00	0.67	3.688	O	|	|	|	|	6.15
80.083	0.00	0.68	3.972	O	|	|	|	|	6.46	85.250	0.00	0.67	3.684	O	|	|	|	|	6.14
80.167	0.00	0.68	3.967	O	|	|	|	|	6.46	85.333	0.00	0.67	3.679	O	|	|	|	|	6.14
80.250	0.00	0.68	3.963	O	|	|	|	|	6.45	85.417	0.00	0.67	3.675	O	|	|	|	|	6.13
80.333	0.00	0.68	3.958	O	|	|	|	|	6.45	85.500	0.00	0.67	3.670	O	|	|	|	|	6.13
80.417	0.00	0.68	3.953	O	|	|	|	|	6.44	85.583	0.00	0.67	3.665	O	|	|	|	|	6.12
80.500	0.00	0.68	3.948	O	|	|	|	|	6.44	85.667	0.00	0.67	3.661	O	|	|	|	|	6.12
80.583	0.00	0.68	3.944	O	|	|	|	|	6.43	85.750	0.00	0.67	3.656	O	|	|	|	|	6.11
80.667	0.00	0.68	3.939	O	|	|	|	|	6.43	85.833	0.00	0.67	3.652	O	|	|	|	|	6.11
80.750	0.00	0.68	3.934	O	|	|	|	|	6.42	85.917	0.00	0.67	3.647	O	|	|	|	|	6.10
80.833	0.00	0.68	3.930	O	|	|	|	|	6.42	86.000	0.00	0.66	3.642	O	|	|	|	|	6.10
80.917	0.00	0.68	3.925	O	|	|	|	|	6.41	86.083	0.00	0.66	3.638	O	|	|	|	|	6.09
81.000	0.00	0.68	3.920	O	|	|	|	|	6.41	86.167	0.00	0.66	3.633	O	|	|	|	|	6.09
81.083	0.00	0.68	3.916	O	|	|	|	|	6.40	86.250	0.00	0.66	3.629	O	|	|	|	|	6.08
81.167	0.00	0.68	3.911	O	|	|	|	|	6.40	86.333	0.00	0.66	3.624	O	|	|	|	|	6.07
81.250	0.00	0.68	3.906	O	|	|	|	|	6.39	86.417	0.00	0.66	3.620	O	|	|	|	|	6.07
81.333	0.00	0.68	3.902	O	|	|	|	|	6.38	86.500	0.00	0.66	3.615	O	|	|	|	|	6.06
81.417	0.00	0.68	3.897	O	|	|	|	|	6.38	86.583	0.00	0.66	3.610	O	|	|	|	|	6.06
81.500	0.00	0.68	3.892	O	|	|	|	|	6.37	86.667	0.00	0.66	3.606	O	|	|	|	|	6.05
81.583	0.00	0.68	3.888	O	|	|	|	|	6.37	86.750	0.00	0.66	3.601	O	|	|	|	|	6.05
81.667	0.00	0.68	3.883	O	|	|	|	|	6.36	86.833	0.00	0.66	3.597	O	|	|	|	|	6.04
81.750	0.00	0.68	3.878	O	|	|	|	|	6.36	86.917	0.00	0.66	3.592	O	|	|	|	|	6.04
81.833	0.00	0.68	3.874	O	|	|	|	|	6.35	87.000	0.00	0.66	3.588	O	|	|	|	|	6.03
81.917	0.00	0.68	3.869	O	|	|	|	|	6.35	87.083	0.00	0.66	3.583	O	|	|	|	|	6.03
82.000	0.00	0.68	3.864	O	|	|	|	|	6.34	87.167	0.00	0.66	3.579	O	|	|	|	|	6.02
82.083	0.00	0.68	3.860	O	|	|	|	|	6.34	87.250	0.00	0.66	3.574	O	|	|	|	|	6.02
82.167	0.00	0.68	3.855	O	|	|	|	|	6.33	87.333	0.00	0.66	3.569	O	|	|	|	|	6.01

87.417	0.00	0.66	3.565	O	|	|	|	|	6.01	92.583	0.00	0.64	3.287	O	|	|	|	|	5.66
87.500	0.00	0.66	3.560	O	|	|	|	|	6.00	92.667	0.00	0.64	3.283	O	|	|	|	|	5.66
87.583	0.00	0.66	3.556	O	|	|	|	|	6.00	92.750	0.00	0.64	3.278	O	|	|	|	|	5.65
87.667	0.00	0.66	3.551	O	|	|	|	|	5.99	92.833	0.00	0.64	3.274	O	|	|	|	|	5.65
87.750	0.00	0.66	3.547	O	|	|	|	|	5.99	92.917	0.00	0.64	3.270	O	|	|	|	|	5.64
87.833	0.00	0.66	3.542	O	|	|	|	|	5.98	93.000	0.00	0.64	3.265	O	|	|	|	|	5.64
87.917	0.00	0.66	3.538	O	|	|	|	|	5.98	93.083	0.00	0.64	3.261	O	|	|	|	|	5.63
88.000	0.00	0.66	3.533	O	|	|	|	|	5.97	93.167	0.00	0.64	3.256	O	|	|	|	|	5.62
88.083	0.00	0.66	3.529	O	|	|	|	|	5.96	93.250	0.00	0.64	3.252	O	|	|	|	|	5.62
88.167	0.00	0.66	3.524	O	|	|	|	|	5.96	93.333	0.00	0.64	3.248	O	|	|	|	|	5.61
88.250	0.00	0.66	3.520	O	|	|	|	|	5.95	93.417	0.00	0.64	3.243	O	|	|	|	|	5.61
88.333	0.00	0.66	3.515	O	|	|	|	|	5.95	93.500	0.00	0.64	3.239	O	|	|	|	|	5.60
88.417	0.00	0.66	3.510	O	|	|	|	|	5.94	93.583	0.00	0.64	3.235	O	|	|	|	|	5.60
88.500	0.00	0.66	3.506	O	|	|	|	|	5.94	93.667	0.00	0.64	3.230	O	|	|	|	|	5.59
88.583	0.00	0.66	3.501	O	|	|	|	|	5.93	93.750	0.00	0.64	3.226	O	|	|	|	|	5.59
88.667	0.00	0.66	3.497	O	|	|	|	|	5.92	93.833	0.00	0.63	3.221	O	|	|	|	|	5.58
88.750	0.00	0.66	3.492	O	|	|	|	|	5.92	93.917	0.00	0.63	3.217	O	|	|	|	|	5.58
88.833	0.00	0.65	3.488	O	|	|	|	|	5.91	94.000	0.00	0.63	3.213	O	|	|	|	|	5.57
88.917	0.00	0.65	3.483	O	|	|	|	|	5.91	94.083	0.00	0.63	3.208	O	|	|	|	|	5.56
89.000	0.00	0.65	3.479	O	|	|	|	|	5.90	94.167	0.00	0.63	3.204	O	|	|	|	|	5.56
89.083	0.00	0.65	3.474	O	|	|	|	|	5.90	94.250	0.00	0.63	3.200	O	|	|	|	|	5.55
89.167	0.00	0.65	3.470	O	|	|	|	|	5.89	94.333	0.00	0.63	3.195	O	|	|	|	|	5.55
89.250	0.00	0.65	3.465	O	|	|	|	|	5.89	94.417	0.00	0.63	3.191	O	|	|	|	|	5.54
89.333	0.00	0.65	3.461	O	|	|	|	|	5.88	94.500	0.00	0.63	3.187	O	|	|	|	|	5.54
89.417	0.00	0.65	3.456	O	|	|	|	|	5.87	94.583	0.00	0.63	3.182	O	|	|	|	|	5.53
89.500	0.00	0.65	3.452	O	|	|	|	|	5.87	94.667	0.00	0.63	3.178	O	|	|	|	|	5.53
89.583	0.00	0.65	3.447	O	|	|	|	|	5.86	94.750	0.00	0.63	3.173	O	|	|	|	|	5.52
89.667	0.00	0.65	3.443	O	|	|	|	|	5.86	94.833	0.00	0.63	3.169	O	|	|	|	|	5.52
89.750	0.00	0.65	3.438	O	|	|	|	|	5.85	94.917	0.00	0.63	3.165	O	|	|	|	|	5.51
89.833	0.00	0.65	3.434	O	|	|	|	|	5.85	95.000	0.00	0.63	3.160	O	|	|	|	|	5.50
89.917	0.00	0.65	3.429	O	|	|	|	|	5.84	95.083	0.00	0.63	3.156	O	|	|	|	|	5.50
90.000	0.00	0.65	3.425	O	|	|	|	|	5.83	95.167	0.00	0.63	3.152	O	|	|	|	|	5.49
90.083	0.00	0.65	3.420	O	|	|	|	|	5.83	95.250	0.00	0.63	3.147	O	|	|	|	|	5.49
90.167	0.00	0.65	3.416	O	|	|	|	|	5.82	95.333	0.00	0.63	3.143	O	|	|	|	|	5.48
90.250	0.00	0.65	3.412	O	|	|	|	|	5.82	95.417	0.00	0.63	3.139	O	|	|	|	|	5.48
90.333	0.00	0.65	3.407	O	|	|	|	|	5.81	95.500	0.00	0.63	3.134	O	|	|	|	|	5.47
90.417	0.00	0.65	3.403	O	|	|	|	|	5.81	95.583	0.00	0.63	3.130	O	|	|	|	|	5.47
90.500	0.00	0.65	3.398	O	|	|	|	|	5.80	95.667	0.00	0.63	3.126	O	|	|	|	|	5.46
90.583	0.00	0.65	3.394	O	|	|	|	|	5.80	95.750	0.00	0.63	3.121	O	|	|	|	|	5.46
90.667	0.00	0.65	3.389	O	|	|	|	|	5.79	95.833	0.00	0.63	3.117	O	|	|	|	|	5.45
90.750	0.00	0.65	3.385	O	|	|	|	|	5.78	95.917	0.00	0.63	3.113	O	|	|	|	|	5.44
90.833	0.00	0.65	3.380	O	|	|	|	|	5.78	96.000	0.00	0.63	3.109	O	|	|	|	|	5.44
90.917	0.00	0.65	3.376	O	|	|	|	|	5.77	96.083	0.00	0.63	3.104	O	|	|	|	|	5.43
91.000	0.00	0.65	3.371	O	|	|	|	|	5.77	96.167	0.00	0.63	3.100	O	|	|	|	|	5.43
91.083	0.00	0.65	3.367	O	|	|	|	|	5.76	96.250	0.00	0.63	3.096	O	|	|	|	|	5.42
91.167	0.00	0.65	3.363	O	|	|	|	|	5.76	96.333	0.00	0.63	3.091	O	|	|	|	|	5.42
91.250	0.00	0.65	3.358	O	|	|	|	|	5.75	96.417	0.00	0.62	3.087	O	|	|	|	|	5.41
91.333	0.00	0.64	3.354	O	|	|	|	|	5.75	96.500	0.00	0.62	3.083	O	|	|	|	|	5.41
91.417	0.00	0.64	3.349	O	|	|	|	|	5.74	96.583	0.00	0.62	3.078	O	|	|	|	|	5.40
91.500	0.00	0.64	3.345	O	|	|	|	|	5.73	96.667	0.00	0.62	3.074	O	|	|	|	|	5.40
91.583	0.00	0.64	3.340	O	|	|	|	|	5.73	96.750	0.00	0.62	3.070	O	|	|	|	|	5.39
91.667	0.00	0.64	3.336	O	|	|	|	|	5.72	96.833	0.00	0.62	3.065	O	|	|	|	|	5.39
91.750	0.00	0.64	3.331	O	|	|	|	|	5.72	96.917	0.00	0.62	3.061	O	|	|	|	|	5.38
91.833	0.00	0.64	3.327	O	|	|	|	|	5.71	97.000	0.00	0.62	3.057	O	|	|	|	|	5.37
91.917	0.00	0.64	3.323	O	|	|	|	|	5.71	97.083	0.00	0.62	3.053	O	|	|	|	|	5.37
92.000	0.00	0.64	3.318	O	|	|	|	|	5.70	97.167	0.00	0.62	3.048	O	|	|	|	|	5.36
92.083	0.00	0.64	3.314	O	|	|	|	|	5.70	97.250	0.00	0.62	3.044	O	|	|	|	|	5.36
92.167	0.00	0.64	3.309	O	|	|	|	|	5.69	97.333	0.00	0.62	3.040	O	|	|	|	|	5.35
92.250	0.00	0.64	3.305	O	|	|	|	|	5.68	97.417	0.00	0.62	3.036	O	|	|	|	|	5.35
92.333	0.00	0.64	3.301	O	|	|	|	|	5.68	97.500	0.00	0.62	3.031	O	|	|	|	|	5.34
92.417	0.00	0.64	3.296	O	|	|	|	|	5.67	97.583	0.00	0.62	3.027	O	|	|	|	|	5.34
92.500	0.00	0.64	3.292	O	|	|	|	|	5.67	97.667	0.00	0.62	3.023	O	|	|	|	|	5.33

97.750	0.00	0.62	3.018	O	|	|	|	|	5.33	102.917	0.00	0.60	2.758	O	|	|	|	|	5.00
97.833	0.00	0.62	3.014	O	|	|	|	|	5.32	103.000	0.00	0.60	2.754	O	|	|	|	|	5.00
97.917	0.00	0.62	3.010	O	|	|	|	|	5.32	103.083	0.00	0.60	2.750	O	|	|	|	|	4.99
98.000	0.00	0.62	3.006	O	|	|	|	|	5.31	103.167	0.00	0.60	2.746	O	|	|	|	|	4.98
98.083	0.00	0.62	3.001	O	|	|	|	|	5.31	103.250	0.00	0.60	2.742	O	|	|	|	|	4.98
98.167	0.00	0.62	2.997	O	|	|	|	|	5.30	103.333	0.00	0.60	2.737	O	|	|	|	|	4.97
98.250	0.00	0.62	2.993	O	|	|	|	|	5.29	103.417	0.00	0.60	2.733	O	|	|	|	|	4.97
98.333	0.00	0.62	2.989	O	|	|	|	|	5.29	103.500	0.00	0.60	2.729	O	|	|	|	|	4.96
98.417	0.00	0.62	2.984	O	|	|	|	|	5.28	103.583	0.00	0.60	2.725	O	|	|	|	|	4.96
98.500	0.00	0.62	2.980	O	|	|	|	|	5.28	103.667	0.00	0.60	2.721	O	|	|	|	|	4.95
98.583	0.00	0.62	2.976	O	|	|	|	|	5.27	103.750	0.00	0.60	2.717	O	|	|	|	|	4.94
98.667	0.00	0.62	2.972	O	|	|	|	|	5.27	103.833	0.00	0.60	2.713	O	|	|	|	|	4.94
98.750	0.00	0.62	2.967	O	|	|	|	|	5.26	103.917	0.00	0.60	2.709	O	|	|	|	|	4.93
98.833	0.00	0.62	2.963	O	|	|	|	|	5.26	104.000	0.00	0.59	2.705	O	|	|	|	|	4.93
98.917	0.00	0.62	2.959	O	|	|	|	|	5.25	104.083	0.00	0.59	2.700	O	|	|	|	|	4.92
99.000	0.00	0.61	2.955	O	|	|	|	|	5.25	104.167	0.00	0.59	2.696	O	|	|	|	|	4.91
99.083	0.00	0.61	2.950	O	|	|	|	|	5.24	104.250	0.00	0.59	2.692	O	|	|	|	|	4.91
99.167	0.00	0.61	2.946	O	|	|	|	|	5.24	104.333	0.00	0.59	2.688	O	|	|	|	|	4.90
99.250	0.00	0.61	2.942	O	|	|	|	|	5.23	104.417	0.00	0.59	2.684	O	|	|	|	|	4.90
99.333	0.00	0.61	2.938	O	|	|	|	|	5.23	104.500	0.00	0.59	2.680	O	|	|	|	|	4.89
99.417	0.00	0.61	2.934	O	|	|	|	|	5.22	104.583	0.00	0.59	2.676	O	|	|	|	|	4.89
99.500	0.00	0.61	2.929	O	|	|	|	|	5.22	104.667	0.00	0.59	2.672	O	|	|	|	|	4.88
99.583	0.00	0.61	2.925	O	|	|	|	|	5.21	104.750	0.00	0.59	2.668	O	|	|	|	|	4.87
99.667	0.00	0.61	2.921	O	|	|	|	|	5.20	104.833	0.00	0.59	2.664	O	|	|	|	|	4.87
99.750	0.00	0.61	2.917	O	|	|	|	|	5.20	104.917	0.00	0.59	2.660	O	|	|	|	|	4.86
99.833	0.00	0.61	2.912	O	|	|	|	|	5.19	105.000	0.00	0.59	2.656	O	|	|	|	|	4.86
99.917	0.00	0.61	2.908	O	|	|	|	|	5.19	105.083	0.00	0.59	2.652	O	|	|	|	|	4.85
100.000	0.00	0.61	2.904	O	|	|	|	|	5.18	105.167	0.00	0.59	2.647	O	|	|	|	|	4.85
100.083	0.00	0.61	2.900	O	|	|	|	|	5.18	105.250	0.00	0.59	2.643	O	|	|	|	|	4.84
100.167	0.00	0.61	2.896	O	|	|	|	|	5.17	105.333	0.00	0.59	2.639	O	|	|	|	|	4.83
100.250	0.00	0.61	2.891	O	|	|	|	|	5.17	105.417	0.00	0.59	2.635	O	|	|	|	|	4.83
100.333	0.00	0.61	2.887	O	|	|	|	|	5.16	105.500	0.00	0.59	2.631	O	|	|	|	|	4.82
100.417	0.00	0.61	2.883	O	|	|	|	|	5.16	105.583	0.00	0.59	2.627	O	|	|	|	|	4.82
100.500	0.00	0.61	2.879	O	|	|	|	|	5.15	105.667	0.00	0.59	2.623	O	|	|	|	|	4.81
100.583	0.00	0.61	2.875	O	|	|	|	|	5.15	105.750	0.00	0.59	2.619	O	|	|	|	|	4.81
100.667	0.00	0.61	2.870	O	|	|	|	|	5.14	105.833	0.00	0.59	2.615	O	|	|	|	|	4.80
100.750	0.00	0.61	2.866	O	|	|	|	|	5.14	105.917	0.00	0.59	2.611	O	|	|	|	|	4.80
100.833	0.00	0.61	2.862	O	|	|	|	|	5.13	106.000	0.00	0.59	2.607	O	|	|	|	|	4.79
100.917	0.00	0.61	2.858	O	|	|	|	|	5.13	106.083	0.00	0.58	2.603	O	|	|	|	|	4.78
101.000	0.00	0.61	2.854	O	|	|	|	|	5.12	106.167	0.00	0.58	2.599	O	|	|	|	|	4.78
101.083	0.00	0.61	2.849	O	|	|	|	|	5.12	106.250	0.00	0.58	2.595	O	|	|	|	|	4.77
101.167	0.00	0.61	2.845	O	|	|	|	|	5.11	106.333	0.00	0.58	2.591	O	|	|	|	|	4.77
101.250	0.00	0.61	2.841	O	|	|	|	|	5.11	106.417	0.00	0.58	2.587	O	|	|	|	|	4.76
101.333	0.00	0.61	2.837	O	|	|	|	|	5.10	106.500	0.00	0.58	2.583	O	|	|	|	|	4.76
101.417	0.00	0.61	2.833	O	|	|	|	|	5.09	106.583	0.00	0.58	2.579	O	|	|	|	|	4.75
101.500	0.00	0.61	2.829	O	|	|	|	|	5.09	106.667	0.00	0.58	2.575	O	|	|	|	|	4.74
101.583	0.00	0.61	2.824	O	|	|	|	|	5.08	106.750	0.00	0.58	2.571	O	|	|	|	|	4.74
101.667	0.00	0.60	2.820	O	|	|	|	|	5.08	106.833	0.00	0.58	2.567	O	|	|	|	|	4.73
101.750	0.00	0.60	2.816	O	|	|	|	|	5.07	106.917	0.00	0.58	2.563	O	|	|	|	|	4.73
101.833	0.00	0.60	2.812	O	|	|	|	|	5.07	107.000	0.00	0.58	2.559	O	|	|	|	|	4.72
101.917	0.00	0.60	2.808	O	|	|	|	|	5.06	107.083	0.00	0.58	2.555	O	|	|	|	|	4.72
102.000	0.00	0.60	2.804	O	|	|	|	|	5.06	107.167	0.00	0.58	2.551	O	|	|	|	|	4.71
102.083	0.00	0.60	2.799	O	|	|	|	|	5.05	107.250	0.00	0.58	2.547	O	|	|	|	|	4.70
102.167	0.00	0.60	2.795	O	|	|	|	|	5.05	107.333	0.00	0.58	2.543	O	|	|	|	|	4.70
102.250	0.00	0.60	2.791	O	|	|	|	|	5.04	107.417	0.00	0.58	2.539	O	|	|	|	|	4.69
102.333	0.00	0.60	2.787	O	|	|	|	|	5.04	107.500	0.00	0.58	2.535	O	|	|	|	|	4.69
102.417	0.00	0.60	2.783	O	|	|	|	|	5.03	107.583	0.00	0.58	2.531	O	|	|	|	|	4.68
102.500	0.00	0.60	2.779	O	|	|	|	|	5.03	107.667	0.00	0.58	2.527	O	|	|	|	|	4.68
102.583	0.00	0.60	2.775	O	|	|	|	|	5.02	107.750	0.00	0.58	2.523	O	|	|	|	|	4.67
102.667	0.00	0.60	2.770	O	|	|	|	|	5.02	107.833	0.00	0.58	2.519	O	|	|	|	|	4.67
102.750	0.00	0.60	2.766	O	|	|	|	|	5.01	107.917	0.00	0.58	2.515	O	|	|	|	|	4.66
102.833	0.00	0.60	2.762	O	|	|	|	|	5.01	108.000	0.00	0.58	2.511	O	|	|	|	|	4.65

108.083	0.00	0.58	2.507	O	|	|	|	|	4.65	113.250	0.00	0.55	2.266	O	|	|	|	|	4.31
108.167	0.00	0.58	2.503	O	|	|	|	|	4.64	113.333	0.00	0.55	2.263	O	|	|	|	|	4.31
108.250	0.00	0.57	2.499	O	|	|	|	|	4.64	113.417	0.00	0.55	2.259	O	|	|	|	|	4.30
108.333	0.00	0.57	2.495	O	|	|	|	|	4.63	113.500	0.00	0.55	2.255	O	|	|	|	|	4.30
108.417	0.00	0.57	2.491	O	|	|	|	|	4.63	113.583	0.00	0.55	2.251	O	|	|	|	|	4.29
108.500	0.00	0.57	2.487	O	|	|	|	|	4.62	113.667	0.00	0.55	2.248	O	|	|	|	|	4.28
108.583	0.00	0.57	2.483	O	|	|	|	|	4.62	113.750	0.00	0.55	2.244	O	|	|	|	|	4.28
108.667	0.00	0.57	2.479	O	|	|	|	|	4.61	113.833	0.00	0.55	2.240	O	|	|	|	|	4.27
108.750	0.00	0.57	2.475	O	|	|	|	|	4.60	113.917	0.00	0.55	2.236	O	|	|	|	|	4.27
108.833	0.00	0.57	2.472	O	|	|	|	|	4.60	114.000	0.00	0.55	2.232	O	|	|	|	|	4.26
108.917	0.00	0.57	2.468	O	|	|	|	|	4.59	114.083	0.00	0.55	2.229	O	|	|	|	|	4.26
109.000	0.00	0.57	2.464	O	|	|	|	|	4.59	114.167	0.00	0.55	2.225	O	|	|	|	|	4.25
109.083	0.00	0.57	2.460	O	|	|	|	|	4.58	114.250	0.00	0.55	2.221	O	|	|	|	|	4.25
109.167	0.00	0.57	2.456	O	|	|	|	|	4.58	114.333	0.00	0.55	2.217	O	|	|	|	|	4.24
109.250	0.00	0.57	2.452	O	|	|	|	|	4.57	114.417	0.00	0.55	2.214	O	|	|	|	|	4.24
109.333	0.00	0.57	2.448	O	|	|	|	|	4.57	114.500	0.00	0.55	2.210	O	|	|	|	|	4.23
109.417	0.00	0.57	2.444	O	|	|	|	|	4.56	114.583	0.00	0.55	2.206	O	|	|	|	|	4.23
109.500	0.00	0.57	2.440	O	|	|	|	|	4.55	114.667	0.00	0.55	2.202	O	|	|	|	|	4.22
109.583	0.00	0.57	2.436	O	|	|	|	|	4.55	114.750	0.00	0.55	2.198	O	|	|	|	|	4.22
109.667	0.00	0.57	2.432	O	|	|	|	|	4.54	114.833	0.00	0.54	2.195	O	|	|	|	|	4.21
109.750	0.00	0.57	2.428	O	|	|	|	|	4.54	114.917	0.00	0.54	2.191	O	|	|	|	|	4.21
109.833	0.00	0.57	2.424	O	|	|	|	|	4.53	115.000	0.00	0.54	2.187	O	|	|	|	|	4.20
109.917	0.00	0.57	2.421	O	|	|	|	|	4.53	115.083	0.00	0.54	2.184	O	|	|	|	|	4.19
110.000	0.00	0.57	2.417	O	|	|	|	|	4.52	115.167	0.00	0.54	2.180	O	|	|	|	|	4.19
110.083	0.00	0.57	2.413	O	|	|	|	|	4.52	115.250	0.00	0.54	2.176	O	|	|	|	|	4.18
110.167	0.00	0.57	2.409	O	|	|	|	|	4.51	115.333	0.00	0.54	2.172	O	|	|	|	|	4.18
110.250	0.00	0.57	2.405	O	|	|	|	|	4.51	115.417	0.00	0.54	2.169	O	|	|	|	|	4.17
110.333	0.00	0.57	2.401	O	|	|	|	|	4.50	115.500	0.00	0.54	2.165	O	|	|	|	|	4.17
110.417	0.00	0.56	2.397	O	|	|	|	|	4.49	115.583	0.00	0.54	2.161	O	|	|	|	|	4.16
110.500	0.00	0.56	2.393	O	|	|	|	|	4.49	115.667	0.00	0.54	2.157	O	|	|	|	|	4.16
110.583	0.00	0.56	2.389	O	|	|	|	|	4.48	115.750	0.00	0.54	2.154	O	|	|	|	|	4.15
110.667	0.00	0.56	2.386	O	|	|	|	|	4.48	115.833	0.00	0.54	2.150	O	|	|	|	|	4.15
110.750	0.00	0.56	2.382	O	|	|	|	|	4.47	115.917	0.00	0.54	2.146	O	|	|	|	|	4.14
110.833	0.00	0.56	2.378	O	|	|	|	|	4.47	116.000	0.00	0.54	2.142	O	|	|	|	|	4.14
110.917	0.00	0.56	2.374	O	|	|	|	|	4.46	116.083	0.00	0.54	2.139	O	|	|	|	|	4.13
111.000	0.00	0.56	2.370	O	|	|	|	|	4.46	116.167	0.00	0.54	2.135	O	|	|	|	|	4.13
111.083	0.00	0.56	2.366	O	|	|	|	|	4.45	116.250	0.00	0.54	2.131	O	|	|	|	|	4.12
111.167	0.00	0.56	2.362	O	|	|	|	|	4.45	116.333	0.00	0.54	2.128	O	|	|	|	|	4.12
111.250	0.00	0.56	2.358	O	|	|	|	|	4.44	116.417	0.00	0.54	2.124	O	|	|	|	|	4.11
111.333	0.00	0.56	2.355	O	|	|	|	|	4.43	116.500	0.00	0.54	2.120	O	|	|	|	|	4.11
111.417	0.00	0.56	2.351	O	|	|	|	|	4.43	116.583	0.00	0.54	2.117	O	|	|	|	|	4.10
111.500	0.00	0.56	2.347	O	|	|	|	|	4.42	116.667	0.00	0.54	2.113	O	|	|	|	|	4.10
111.583	0.00	0.56	2.343	O	|	|	|	|	4.42	116.750	0.00	0.54	2.109	O	|	|	|	|	4.09
111.667	0.00	0.56	2.339	O	|	|	|	|	4.41	116.833	0.00	0.54	2.105	O	|	|	|	|	4.08
111.750	0.00	0.56	2.335	O	|	|	|	|	4.41	116.917	0.00	0.54	2.102	O	|	|	|	|	4.08
111.833	0.00	0.56	2.331	O	|	|	|	|	4.40	117.000	0.00	0.54	2.098	O	|	|	|	|	4.07
111.917	0.00	0.56	2.328	O	|	|	|	|	4.40	117.083	0.00	0.53	2.094	O	|	|	|	|	4.07
112.000	0.00	0.56	2.324	O	|	|	|	|	4.39	117.167	0.00	0.53	2.091	O	|	|	|	|	4.06
112.083	0.00	0.56	2.320	O	|	|	|	|	4.39	117.250	0.00	0.53	2.087	O	|	|	|	|	4.06
112.167	0.00	0.56	2.316	O	|	|	|	|	4.38	117.333	0.00	0.53	2.083	O	|	|	|	|	4.05
112.250	0.00	0.56	2.312	O	|	|	|	|	4.38	117.417	0.00	0.53	2.080	O	|	|	|	|	4.05
112.333	0.00	0.56	2.308	O	|	|	|	|	4.37	117.500	0.00	0.53	2.076	O	|	|	|	|	4.04
112.417	0.00	0.56	2.305	O	|	|	|	|	4.36	117.583	0.00	0.53	2.072	O	|	|	|	|	4.04
112.500	0.00	0.56	2.301	O	|	|	|	|	4.36	117.667	0.00	0.53	2.069	O	|	|	|	|	4.03
112.583	0.00	0.55	2.297	O	|	|	|	|	4.35	117.750	0.00	0.53	2.065	O	|	|	|	|	4.03
112.667	0.00	0.55	2.293	O	|	|	|	|	4.35	117.833	0.00	0.53	2.061	O	|	|	|	|	4.02
112.750	0.00	0.55	2.289	O	|	|	|	|	4.34	117.917	0.00	0.53	2.058	O	|	|	|	|	4.02
112.833	0.00	0.55	2.286	O	|	|	|	|	4.34	118.000	0.00	0.53	2.054	O	|	|	|	|	4.01
112.917	0.00	0.55	2.282	O	|	|	|	|	4.33	118.083	0.00	0.53	2.050	O	|	|	|	|	4.01
113.000	0.00	0.55	2.278	O	|	|	|	|	4.33	118.167	0.00	0.53	2.047	O	|	|	|	|	4.00
113.083	0.00	0.55	2.274	O	|	|	|	|	4.32	118.250	0.00	0.53	2.043	O	|	|	|	|	4.00
113.167	0.00	0.55	2.270	O	|	|	|	|	4.32	118.333	0.00	0.53	2.039	O	|	|	|	|	3.99

118.417	0.00	0.53	2.036	O	|	|	|	|	3.98	123.583	0.00	0.50	1.816	O	|	|	|	|	3.61
118.500	0.00	0.53	2.032	O	|	|	|	|	3.98	123.667	0.00	0.50	1.813	O	|	|	|	|	3.61
118.583	0.00	0.53	2.028	O	|	|	|	|	3.97	123.750	0.00	0.50	1.810	O	|	|	|	|	3.60
118.667	0.00	0.53	2.025	O	|	|	|	|	3.97	123.833	0.00	0.50	1.806	O	|	|	|	|	3.59
118.750	0.00	0.53	2.021	O	|	|	|	|	3.96	123.917	0.00	0.50	1.803	O	|	|	|	|	3.59
118.833	0.00	0.53	2.018	O	|	|	|	|	3.95	124.000	0.00	0.50	1.799	O	|	|	|	|	3.58
118.917	0.00	0.53	2.014	O	|	|	|	|	3.95	124.083	0.00	0.50	1.796	O	|	|	|	|	3.58
119.000	0.00	0.53	2.010	O	|	|	|	|	3.94	124.167	0.00	0.50	1.792	O	|	|	|	|	3.57
119.083	0.00	0.52	2.007	O	|	|	|	|	3.93	124.250	0.00	0.50	1.789	O	|	|	|	|	3.57
119.167	0.00	0.52	2.003	O	|	|	|	|	3.93	124.333	0.00	0.49	1.786	O	|	|	|	|	3.56
119.250	0.00	0.52	2.000	O	|	|	|	|	3.92	124.417	0.00	0.49	1.782	O	|	|	|	|	3.55
119.333	0.00	0.52	1.996	O	|	|	|	|	3.92	124.500	0.00	0.49	1.779	O	|	|	|	|	3.55
119.417	0.00	0.52	1.992	O	|	|	|	|	3.91	124.583	0.00	0.49	1.775	O	|	|	|	|	3.54
119.500	0.00	0.52	1.989	O	|	|	|	|	3.90	124.667	0.00	0.49	1.772	O	|	|	|	|	3.54
119.583	0.00	0.52	1.985	O	|	|	|	|	3.90	124.750	0.00	0.49	1.769	O	|	|	|	|	3.53
119.667	0.00	0.52	1.982	O	|	|	|	|	3.89	124.833	0.00	0.49	1.765	O	|	|	|	|	3.52
119.750	0.00	0.52	1.978	O	|	|	|	|	3.89	124.917	0.00	0.49	1.762	O	|	|	|	|	3.52
119.833	0.00	0.52	1.974	O	|	|	|	|	3.88	125.000	0.00	0.49	1.758	O	|	|	|	|	3.51
119.917	0.00	0.52	1.971	O	|	|	|	|	3.87	125.083	0.00	0.49	1.755	O	|	|	|	|	3.51
120.000	0.00	0.52	1.967	O	|	|	|	|	3.87	125.167	0.00	0.49	1.752	O	|	|	|	|	3.50
120.083	0.00	0.52	1.964	O	|	|	|	|	3.86	125.250	0.00	0.49	1.748	O	|	|	|	|	3.50
120.167	0.00	0.52	1.960	O	|	|	|	|	3.86	125.333	0.00	0.49	1.745	O	|	|	|	|	3.49
120.250	0.00	0.52	1.956	O	|	|	|	|	3.85	125.417	0.00	0.49	1.742	O	|	|	|	|	3.48
120.333	0.00	0.52	1.953	O	|	|	|	|	3.84	125.500	0.00	0.49	1.738	O	|	|	|	|	3.48
120.417	0.00	0.52	1.949	O	|	|	|	|	3.84	125.583	0.00	0.49	1.735	O	|	|	|	|	3.47
120.500	0.00	0.52	1.946	O	|	|	|	|	3.83	125.667	0.00	0.49	1.732	O	|	|	|	|	3.47
120.583	0.00	0.52	1.942	O	|	|	|	|	3.83	125.750	0.00	0.49	1.728	O	|	|	|	|	3.46
120.667	0.00	0.52	1.939	O	|	|	|	|	3.82	125.833	0.00	0.49	1.725	O	|	|	|	|	3.46
120.750	0.00	0.52	1.935	O	|	|	|	|	3.81	125.917	0.00	0.49	1.721	O	|	|	|	|	3.45
120.833	0.00	0.51	1.932	O	|	|	|	|	3.81	126.000	0.00	0.49	1.718	O	|	|	|	|	3.44
120.917	0.00	0.51	1.928	O	|	|	|	|	3.80	126.083	0.00	0.49	1.715	O	|	|	|	|	3.44
121.000	0.00	0.51	1.924	O	|	|	|	|	3.80	126.167	0.00	0.48	1.711	O	|	|	|	|	3.43
121.083	0.00	0.51	1.921	O	|	|	|	|	3.79	126.250	0.00	0.48	1.708	O	|	|	|	|	3.43
121.167	0.00	0.51	1.917	O	|	|	|	|	3.78	126.333	0.00	0.48	1.705	O	|	|	|	|	3.42
121.250	0.00	0.51	1.914	O	|	|	|	|	3.78	126.417	0.00	0.48	1.701	O	|	|	|	|	3.42
121.333	0.00	0.51	1.910	O	|	|	|	|	3.77	126.500	0.00	0.48	1.698	O	|	|	|	|	3.41
121.417	0.00	0.51	1.907	O	|	|	|	|	3.77	126.583	0.00	0.48	1.695	O	|	|	|	|	3.40
121.500	0.00	0.51	1.903	O	|	|	|	|	3.76	126.667	0.00	0.48	1.691	O	|	|	|	|	3.40
121.583	0.00	0.51	1.900	O	|	|	|	|	3.75	126.750	0.00	0.48	1.688	O	|	|	|	|	3.39
121.667	0.00	0.51	1.896	O	|	|	|	|	3.75	126.833	0.00	0.48	1.685	O	|	|	|	|	3.39
121.750	0.00	0.51	1.893	O	|	|	|	|	3.74	126.917	0.00	0.48	1.682	O	|	|	|	|	3.38
121.833	0.00	0.51	1.889	O	|	|	|	|	3.74	127.000	0.00	0.48	1.678	O	|	|	|	|	3.38
121.917	0.00	0.51	1.886	O	|	|	|	|	3.73	127.083	0.00	0.48	1.675	O	|	|	|	|	3.37
122.000	0.00	0.51	1.882	O	|	|	|	|	3.72	127.167	0.00	0.48	1.672	O	|	|	|	|	3.37
122.083	0.00	0.51	1.879	O	|	|	|	|	3.72	127.250	0.00	0.48	1.668	O	|	|	|	|	3.36
122.167	0.00	0.51	1.875	O	|	|	|	|	3.71	127.333	0.00	0.48	1.665	O	|	|	|	|	3.35
122.250	0.00	0.51	1.872	O	|	|	|	|	3.71	127.417	0.00	0.48	1.662	O	|	|	|	|	3.35
122.333	0.00	0.51	1.868	O	|	|	|	|	3.70	127.500	0.00	0.48	1.658	O	|	|	|	|	3.34
122.417	0.00	0.51	1.865	O	|	|	|	|	3.69	127.583	0.00	0.48	1.655	O	|	|	|	|	3.34
122.500	0.00	0.51	1.861	O	|	|	|	|	3.69	127.667	0.00	0.48	1.652	O	|	|	|	|	3.33
122.583	0.00	0.50	1.858	O	|	|	|	|	3.68	127.750	0.00	0.48	1.649	O	|	|	|	|	3.33
122.667	0.00	0.50	1.854	O	|	|	|	|	3.68	127.833	0.00	0.48	1.645	O	|	|	|	|	3.32
122.750	0.00	0.50	1.851	O	|	|	|	|	3.67	127.917	0.00	0.48	1.642	O	|	|	|	|	3.32
122.833	0.00	0.50	1.847	O	|	|	|	|	3.66	128.000	0.00	0.47	1.639	O	|	|	|	|	3.31
122.917	0.00	0.50	1.844	O	|	|	|	|	3.66	128.083	0.00	0.47	1.635	O	|	|	|	|	3.30
123.000	0.00	0.50	1.841	O	|	|	|	|	3.65	128.167	0.00	0.47	1.632	O	|	|	|	|	3.30
123.083	0.00	0.50	1.837	O	|	|	|	|	3.65	128.250	0.00	0.47	1.629	O	|	|	|	|	3.29
123.167	0.00	0.50	1.834	O	|	|	|	|	3.64	128.333	0.00	0.47	1.626	O	|	|	|	|	3.29
123.250	0.00	0.50	1.830	O	|	|	|	|	3.63	128.417	0.00	0.47	1.622	O	|	|	|	|	3.28
123.333	0.00	0.50	1.827	O	|	|	|	|	3.63	128.500	0.00	0.47	1.619	O	|	|	|	|	3.28
123.417	0.00	0.50	1.823	O	|	|	|	|	3.62	128.583	0.00	0.47	1.616	O	|	|	|	|	3.27
123.500	0.00	0.50	1.820	O	|	|	|	|	3.62	128.667	0.00	0.47	1.613	O	|	|	|	|	3.27

128.750	0.00	0.47	1.609	O	|	|	|	|	3.26	133.917	0.00	0.44	1.414	O	|	|	|	|	2.93
128.833	0.00	0.47	1.606	O	|	|	|	|	3.25	134.000	0.00	0.44	1.411	O	|	|	|	|	2.92
128.917	0.00	0.47	1.603	O	|	|	|	|	3.25	134.083	0.00	0.44	1.408	O	|	|	|	|	2.92
129.000	0.00	0.47	1.600	O	|	|	|	|	3.24	134.167	0.00	0.44	1.405	O	|	|	|	|	2.91
129.083	0.00	0.47	1.596	O	|	|	|	|	3.24	134.250	0.00	0.44	1.402	O	|	|	|	|	2.91
129.167	0.00	0.47	1.593	O	|	|	|	|	3.23	134.333	0.00	0.44	1.399	O	|	|	|	|	2.90
129.250	0.00	0.47	1.590	O	|	|	|	|	3.23	134.417	0.00	0.44	1.396	O	|	|	|	|	2.90
129.333	0.00	0.47	1.587	O	|	|	|	|	3.22	134.500	0.00	0.44	1.393	O	|	|	|	|	2.89
129.417	0.00	0.47	1.584	O	|	|	|	|	3.22	134.583	0.00	0.44	1.390	O	|	|	|	|	2.89
129.500	0.00	0.47	1.580	O	|	|	|	|	3.21	134.667	0.00	0.44	1.387	O	|	|	|	|	2.88
129.583	0.00	0.47	1.577	O	|	|	|	|	3.21	134.750	0.00	0.44	1.384	O	|	|	|	|	2.88
129.667	0.00	0.47	1.574	O	|	|	|	|	3.20	134.833	0.00	0.44	1.381	O	|	|	|	|	2.87
129.750	0.00	0.47	1.571	O	|	|	|	|	3.19	134.917	0.00	0.44	1.378	O	|	|	|	|	2.87
129.833	0.00	0.47	1.568	O	|	|	|	|	3.19	135.000	0.00	0.44	1.375	O	|	|	|	|	2.86
129.917	0.00	0.46	1.564	O	|	|	|	|	3.18	135.083	0.00	0.44	1.372	O	|	|	|	|	2.86
130.000	0.00	0.46	1.561	O	|	|	|	|	3.18	135.167	0.00	0.44	1.369	O	|	|	|	|	2.85
130.083	0.00	0.46	1.558	O	|	|	|	|	3.17	135.250	0.00	0.44	1.366	O	|	|	|	|	2.85
130.167	0.00	0.46	1.555	O	|	|	|	|	3.17	135.333	0.00	0.44	1.363	O	|	|	|	|	2.84
130.250	0.00	0.46	1.552	O	|	|	|	|	3.16	135.417	0.00	0.44	1.360	O	|	|	|	|	2.84
130.333	0.00	0.46	1.548	O	|	|	|	|	3.16	135.500	0.00	0.44	1.357	O	|	|	|	|	2.83
130.417	0.00	0.46	1.545	O	|	|	|	|	3.15	135.583	0.00	0.44	1.354	O	|	|	|	|	2.83
130.500	0.00	0.46	1.542	O	|	|	|	|	3.15	135.667	0.00	0.44	1.351	O	|	|	|	|	2.82
130.583	0.00	0.46	1.539	O	|	|	|	|	3.14	135.750	0.00	0.44	1.348	O	|	|	|	|	2.81
130.667	0.00	0.46	1.536	O	|	|	|	|	3.13	135.833	0.00	0.43	1.345	O	|	|	|	|	2.81
130.750	0.00	0.46	1.532	O	|	|	|	|	3.13	135.917	0.00	0.43	1.342	O	|	|	|	|	2.80
130.833	0.00	0.46	1.529	O	|	|	|	|	3.12	136.000	0.00	0.43	1.339	O	|	|	|	|	2.80
130.917	0.00	0.46	1.526	O	|	|	|	|	3.12	136.083	0.00	0.43	1.336	O	|	|	|	|	2.79
131.000	0.00	0.46	1.523	O	|	|	|	|	3.11	136.167	0.00	0.43	1.333	O	|	|	|	|	2.79
131.083	0.00	0.46	1.520	O	|	|	|	|	3.11	136.250	0.00	0.43	1.330	O	|	|	|	|	2.78
131.167	0.00	0.46	1.517	O	|	|	|	|	3.10	136.333	0.00	0.43	1.327	O	|	|	|	|	2.78
131.250	0.00	0.46	1.514	O	|	|	|	|	3.10	136.417	0.00	0.43	1.324	O	|	|	|	|	2.77
131.333	0.00	0.46	1.510	O	|	|	|	|	3.09	136.500	0.00	0.43	1.321	O	|	|	|	|	2.77
131.417	0.00	0.46	1.507	O	|	|	|	|	3.09	136.583	0.00	0.43	1.318	O	|	|	|	|	2.76
131.500	0.00	0.46	1.504	O	|	|	|	|	3.08	136.667	0.00	0.43	1.315	O	|	|	|	|	2.76
131.583	0.00	0.46	1.501	O	|	|	|	|	3.08	136.750	0.00	0.43	1.312	O	|	|	|	|	2.75
131.667	0.00	0.46	1.498	O	|	|	|	|	3.07	136.833	0.00	0.43	1.309	O	|	|	|	|	2.75
131.750	0.00	0.46	1.495	O	|	|	|	|	3.06	136.917	0.00	0.43	1.306	O	|	|	|	|	2.74
131.833	0.00	0.45	1.492	O	|	|	|	|	3.06	137.000	0.00	0.43	1.303	O	|	|	|	|	2.74
131.917	0.00	0.45	1.488	O	|	|	|	|	3.05	137.083	0.00	0.43	1.300	O	|	|	|	|	2.73
132.000	0.00	0.45	1.485	O	|	|	|	|	3.05	137.167	0.00	0.43	1.297	O	|	|	|	|	2.73
132.083	0.00	0.45	1.482	O	|	|	|	|	3.04	137.250	0.00	0.43	1.294	O	|	|	|	|	2.72
132.167	0.00	0.45	1.479	O	|	|	|	|	3.04	137.333	0.00	0.43	1.291	O	|	|	|	|	2.72
132.250	0.00	0.45	1.476	O	|	|	|	|	3.03	137.417	0.00	0.43	1.288	O	|	|	|	|	2.71
132.333	0.00	0.45	1.473	O	|	|	|	|	3.03	137.500	0.00	0.43	1.285	O	|	|	|	|	2.71
132.417	0.00	0.45	1.470	O	|	|	|	|	3.02	137.583	0.00	0.43	1.282	O	|	|	|	|	2.70
132.500	0.00	0.45	1.467	O	|	|	|	|	3.02	137.667	0.00	0.43	1.279	O	|	|	|	|	2.70
132.583	0.00	0.45	1.463	O	|	|	|	|	3.01	137.750	0.00	0.43	1.276	O	|	|	|	|	2.69
132.667	0.00	0.45	1.460	O	|	|	|	|	3.01	137.833	0.00	0.43	1.273	O	|	|	|	|	2.69
132.750	0.00	0.45	1.457	O	|	|	|	|	3.00	137.917	0.00	0.42	1.271	O	|	|	|	|	2.68
132.833	0.00	0.45	1.454	O	|	|	|	|	3.00	138.000	0.00	0.42	1.268	O	|	|	|	|	2.68
132.917	0.00	0.45	1.451	O	|	|	|	|	2.99	138.083	0.00	0.42	1.265	O	|	|	|	|	2.67
133.000	0.00	0.45	1.448	O	|	|	|	|	2.99	138.167	0.00	0.42	1.262	O	|	|	|	|	2.67
133.083	0.00	0.45	1.445	O	|	|	|	|	2.98	138.250	0.00	0.42	1.259	O	|	|	|	|	2.66
133.167	0.00	0.45	1.442	O	|	|	|	|	2.98	138.333	0.00	0.42	1.256	O	|	|	|	|	2.66
133.250	0.00	0.45	1.439	O	|	|	|	|	2.97	138.417	0.00	0.42	1.253	O	|	|	|	|	2.65
133.333	0.00	0.45	1.436	O	|	|	|	|	2.96	138.500	0.00	0.42	1.250	O	|	|	|	|	2.65
133.417	0.00	0.45	1.433	O	|	|	|	|	2.96	138.583	0.00	0.42	1.247	O	|	|	|	|	2.64
133.500	0.00	0.45	1.429	O	|	|	|	|	2.95	138.667	0.00	0.42	1.244	O	|	|	|	|	2.64
133.583	0.00	0.45	1.426	O	|	|	|	|	2.95	138.750	0.00	0.42	1.241	O	|	|	|	|	2.63
133.667	0.00	0.45	1.423	O	|	|	|	|	2.94	138.833	0.00	0.42	1.239	O	|	|	|	|	2.63
133.750	0.00	0.45	1.420	O	|	|	|	|	2.94	138.917	0.00	0.42	1.236	O	|	|	|	|	2.62
133.833	0.00	0.44	1.417	O	|	|	|	|	2.93	139.000	0.00	0.42	1.233	O	|	|	|	|	2.62

139.083	0.00	0.42	1.230	O	|	|	|	|	2.61	144.250	0.00	0.40	1.056	O	|	|	|	|	2.32
139.167	0.00	0.42	1.227	O	|	|	|	|	2.61	144.333	0.00	0.40	1.053	O	|	|	|	|	2.31
139.250	0.00	0.42	1.224	O	|	|	|	|	2.61	144.417	0.00	0.39	1.051	O	|	|	|	|	2.31
139.333	0.00	0.42	1.221	O	|	|	|	|	2.60	144.500	0.00	0.39	1.048	O	|	|	|	|	2.31
139.417	0.00	0.42	1.218	O	|	|	|	|	2.60	144.583	0.00	0.39	1.045	O	|	|	|	|	2.30
139.500	0.00	0.42	1.215	O	|	|	|	|	2.59	144.667	0.00	0.39	1.042	O	|	|	|	|	2.30
139.583	0.00	0.42	1.213	O	|	|	|	|	2.59	144.750	0.00	0.39	1.040	O	|	|	|	|	2.29
139.667	0.00	0.42	1.210	O	|	|	|	|	2.58	144.833	0.00	0.39	1.037	O	|	|	|	|	2.29
139.750	0.00	0.42	1.207	O	|	|	|	|	2.58	144.917	0.00	0.39	1.034	O	|	|	|	|	2.28
139.833	0.00	0.42	1.204	O	|	|	|	|	2.57	145.000	0.00	0.39	1.032	O	|	|	|	|	2.28
139.917	0.00	0.42	1.201	O	|	|	|	|	2.57	145.083	0.00	0.39	1.029	O	|	|	|	|	2.27
140.000	0.00	0.41	1.198	O	|	|	|	|	2.56	145.167	0.00	0.39	1.026	O	|	|	|	|	2.27
140.083	0.00	0.41	1.195	O	|	|	|	|	2.56	145.250	0.00	0.39	1.023	O	|	|	|	|	2.26
140.167	0.00	0.41	1.193	O	|	|	|	|	2.55	145.333	0.00	0.39	1.021	O	|	|	|	|	2.26
140.250	0.00	0.41	1.190	O	|	|	|	|	2.55	145.417	0.00	0.39	1.018	O	|	|	|	|	2.25
140.333	0.00	0.41	1.187	O	|	|	|	|	2.54	145.500	0.00	0.39	1.015	O	|	|	|	|	2.25
140.417	0.00	0.41	1.184	O	|	|	|	|	2.54	145.583	0.00	0.39	1.013	O	|	|	|	|	2.25
140.500	0.00	0.41	1.181	O	|	|	|	|	2.53	145.667	0.00	0.39	1.010	O	|	|	|	|	2.24
140.583	0.00	0.41	1.178	O	|	|	|	|	2.53	145.750	0.00	0.39	1.007	O	|	|	|	|	2.24
140.667	0.00	0.41	1.175	O	|	|	|	|	2.52	145.833	0.00	0.39	1.005	O	|	|	|	|	2.23
140.750	0.00	0.41	1.173	O	|	|	|	|	2.52	145.917	0.00	0.39	1.002	O	|	|	|	|	2.23
140.833	0.00	0.41	1.170	O	|	|	|	|	2.51	146.000	0.00	0.39	0.999	O	|	|	|	|	2.22
140.917	0.00	0.41	1.167	O	|	|	|	|	2.51	146.083	0.00	0.39	0.997	O	|	|	|	|	2.22
141.000	0.00	0.41	1.164	O	|	|	|	|	2.50	146.167	0.00	0.39	0.994	O	|	|	|	|	2.21
141.083	0.00	0.41	1.161	O	|	|	|	|	2.50	146.250	0.00	0.39	0.991	O	|	|	|	|	2.21
141.167	0.00	0.41	1.159	O	|	|	|	|	2.49	146.333	0.00	0.39	0.989	O	|	|	|	|	2.20
141.250	0.00	0.41	1.156	O	|	|	|	|	2.49	146.417	0.00	0.39	0.986	O	|	|	|	|	2.20
141.333	0.00	0.41	1.153	O	|	|	|	|	2.48	146.500	0.00	0.39	0.983	O	|	|	|	|	2.20
141.417	0.00	0.41	1.150	O	|	|	|	|	2.48	146.583	0.00	0.39	0.981	O	|	|	|	|	2.19
141.500	0.00	0.41	1.147	O	|	|	|	|	2.47	146.667	0.00	0.38	0.978	O	|	|	|	|	2.19
141.583	0.00	0.41	1.144	O	|	|	|	|	2.47	146.750	0.00	0.38	0.975	O	|	|	|	|	2.18
141.667	0.00	0.41	1.142	O	|	|	|	|	2.46	146.833	0.00	0.38	0.973	O	|	|	|	|	2.18
141.750	0.00	0.41	1.139	O	|	|	|	|	2.46	146.917	0.00	0.38	0.970	O	|	|	|	|	2.17
141.833	0.00	0.41	1.136	O	|	|	|	|	2.46	147.000	0.00	0.38	0.967	O	|	|	|	|	2.17
141.917	0.00	0.41	1.133	O	|	|	|	|	2.45	147.083	0.00	0.38	0.965	O	|	|	|	|	2.16
142.000	0.00	0.41	1.130	O	|	|	|	|	2.45	147.167	0.00	0.38	0.962	O	|	|	|	|	2.16
142.083	0.00	0.41	1.128	O	|	|	|	|	2.44	147.250	0.00	0.38	0.960	O	|	|	|	|	2.16
142.167	0.00	0.40	1.125	O	|	|	|	|	2.44	147.333	0.00	0.38	0.957	O	|	|	|	|	2.15
142.250	0.00	0.40	1.122	O	|	|	|	|	2.43	147.417	0.00	0.38	0.954	O	|	|	|	|	2.15
142.333	0.00	0.40	1.119	O	|	|	|	|	2.43	147.500	0.00	0.38	0.952	O	|	|	|	|	2.14
142.417	0.00	0.40	1.117	O	|	|	|	|	2.42	147.583	0.00	0.38	0.949	O	|	|	|	|	2.14
142.500	0.00	0.40	1.114	O	|	|	|	|	2.42	147.667	0.00	0.38	0.946	O	|	|	|	|	2.13
142.583	0.00	0.40	1.111	O	|	|	|	|	2.41	147.750	0.00	0.38	0.944	O	|	|	|	|	2.13
142.667	0.00	0.40	1.108	O	|	|	|	|	2.41	147.833	0.00	0.38	0.941	O	|	|	|	|	2.12
142.750	0.00	0.40	1.105	O	|	|	|	|	2.40	147.917	0.00	0.38	0.939	O	|	|	|	|	2.12
142.833	0.00	0.40	1.103	O	|	|	|	|	2.40	148.000	0.00	0.38	0.936	O	|	|	|	|	2.12
142.917	0.00	0.40	1.100	O	|	|	|	|	2.39	148.083	0.00	0.38	0.933	O	|	|	|	|	2.11
143.000	0.00	0.40	1.097	O	|	|	|	|	2.39	148.167	0.00	0.38	0.931	O	|	|	|	|	2.11
143.083	0.00	0.40	1.094	O	|	|	|	|	2.38	148.250	0.00	0.38	0.928	O	|	|	|	|	2.10
143.167	0.00	0.40	1.092	O	|	|	|	|	2.38	148.333	0.00	0.38	0.925	O	|	|	|	|	2.10
143.250	0.00	0.40	1.089	O	|	|	|	|	2.38	148.417	0.00	0.38	0.923	O	|	|	|	|	2.09
143.333	0.00	0.40	1.086	O	|	|	|	|	2.37	148.500	0.00	0.38	0.920	O	|	|	|	|	2.09
143.417	0.00	0.40	1.083	O	|	|	|	|	2.37	148.583	0.00	0.38	0.918	O	|	|	|	|	2.08
143.500	0.00	0.40	1.081	O	|	|	|	|	2.36	148.667	0.00	0.38	0.915	O	|	|	|	|	2.08
143.583	0.00	0.40	1.078	O	|	|	|	|	2.36	148.750	0.00	0.38	0.913	O	|	|	|	|	2.08
143.667	0.00	0.40	1.075	O	|	|	|	|	2.35	148.833	0.00	0.38	0.910	O	|	|	|	|	2.07
143.750	0.00	0.40	1.072	O	|	|	|	|	2.35	148.917	0.00	0.38	0.907	O	|	|	|	|	2.07
143.833	0.00	0.40	1.070	O	|	|	|	|	2.34	149.000	0.00	0.37	0.905	O	|	|	|	|	2.06
143.917	0.00	0.40	1.067	O	|	|	|	|	2.34	149.083	0.00	0.37	0.902	O	|	|	|	|	2.06
144.000	0.00	0.40	1.064	O	|	|	|	|	2.33	149.167	0.00	0.37	0.900	O	|	|	|	|	2.05
144.083	0.00	0.40	1.061	O	|	|	|	|	2.33	149.250	0.00	0.37	0.897	O	|	|	|	|	2.05
144.167	0.00	0.40	1.059	O	|	|	|	|	2.32	149.333	0.00	0.37	0.894	O	|	|	|	|	2.04

149.417	0.00	0.37	0.892	O	|	|	|	|	2.04	154.583	0.00	0.34	0.739	O	|	|	|	|	1.73
149.500	0.00	0.37	0.889	O	|	|	|	|	2.04	154.667	0.00	0.34	0.737	O	|	|	|	|	1.72
149.583	0.00	0.37	0.887	O	|	|	|	|	2.03	154.750	0.00	0.34	0.735	O	|	|	|	|	1.72
149.667	0.00	0.37	0.884	O	|	|	|	|	2.03	154.833	0.00	0.34	0.732	O	|	|	|	|	1.71
149.750	0.00	0.37	0.882	O	|	|	|	|	2.02	154.917	0.00	0.34	0.730	O	|	|	|	|	1.71
149.833	0.00	0.37	0.879	O	|	|	|	|	2.02	155.000	0.00	0.34	0.728	O	|	|	|	|	1.70
149.917	0.00	0.37	0.876	O	|	|	|	|	2.01	155.083	0.00	0.34	0.725	O	|	|	|	|	1.70
150.000	0.00	0.37	0.874	O	|	|	|	|	2.01	155.167	0.00	0.34	0.723	O	|	|	|	|	1.69
150.083	0.00	0.37	0.871	O	|	|	|	|	2.01	155.250	0.00	0.34	0.721	O	|	|	|	|	1.69
150.167	0.00	0.37	0.869	O	|	|	|	|	2.00	155.333	0.00	0.34	0.718	O	|	|	|	|	1.68
150.250	0.00	0.37	0.866	O	|	|	|	|	2.00	155.417	0.00	0.33	0.716	O	|	|	|	|	1.68
150.333	0.00	0.37	0.864	O	|	|	|	|	1.99	155.500	0.00	0.33	0.714	O	|	|	|	|	1.67
150.417	0.00	0.37	0.861	O	|	|	|	|	1.99	155.583	0.00	0.33	0.711	O	|	|	|	|	1.67
150.500	0.00	0.37	0.859	O	|	|	|	|	1.98	155.667	0.00	0.33	0.709	O	|	|	|	|	1.66
150.583	0.00	0.37	0.856	O	|	|	|	|	1.97	155.750	0.00	0.33	0.707	O	|	|	|	|	1.66
150.667	0.00	0.37	0.854	O	|	|	|	|	1.97	155.833	0.00	0.33	0.705	O	|	|	|	|	1.65
150.750	0.00	0.37	0.851	O	|	|	|	|	1.96	155.917	0.00	0.33	0.702	O	|	|	|	|	1.65
150.833	0.00	0.37	0.849	O	|	|	|	|	1.96	156.000	0.00	0.33	0.700	O	|	|	|	|	1.64
150.917	0.00	0.36	0.846	O	|	|	|	|	1.95	156.083	0.00	0.33	0.698	O	|	|	|	|	1.64
151.000	0.00	0.36	0.844	O	|	|	|	|	1.95	156.167	0.00	0.33	0.695	O	|	|	|	|	1.63
151.083	0.00	0.36	0.841	O	|	|	|	|	1.94	156.250	0.00	0.33	0.693	O	|	|	|	|	1.63
151.167	0.00	0.36	0.839	O	|	|	|	|	1.94	156.333	0.00	0.33	0.691	O	|	|	|	|	1.62
151.250	0.00	0.36	0.836	O	|	|	|	|	1.93	156.417	0.00	0.33	0.689	O	|	|	|	|	1.62
151.333	0.00	0.36	0.834	O	|	|	|	|	1.93	156.500	0.00	0.33	0.686	O	|	|	|	|	1.61
151.417	0.00	0.36	0.831	O	|	|	|	|	1.92	156.583	0.00	0.33	0.684	O	|	|	|	|	1.61
151.500	0.00	0.36	0.829	O	|	|	|	|	1.92	156.667	0.00	0.33	0.682	O	|	|	|	|	1.60
151.583	0.00	0.36	0.826	O	|	|	|	|	1.91	156.750	0.00	0.33	0.680	O	|	|	|	|	1.60
151.667	0.00	0.36	0.824	O	|	|	|	|	1.91	156.833	0.00	0.33	0.677	O	|	|	|	|	1.60
151.750	0.00	0.36	0.821	O	|	|	|	|	1.90	156.917	0.00	0.32	0.675	O	|	|	|	|	1.59
151.833	0.00	0.36	0.819	O	|	|	|	|	1.90	157.000	0.00	0.32	0.673	O	|	|	|	|	1.59
151.917	0.00	0.36	0.816	O	|	|	|	|	1.89	157.083	0.00	0.32	0.671	O	|	|	|	|	1.58
152.000	0.00	0.36	0.814	O	|	|	|	|	1.88	157.167	0.00	0.32	0.668	O	|	|	|	|	1.58
152.083	0.00	0.36	0.811	O	|	|	|	|	1.88	157.250	0.00	0.32	0.666	O	|	|	|	|	1.57
152.167	0.00	0.36	0.809	O	|	|	|	|	1.87	157.333	0.00	0.32	0.664	O	|	|	|	|	1.57
152.250	0.00	0.36	0.806	O	|	|	|	|	1.87	157.417	0.00	0.32	0.662	O	|	|	|	|	1.56
152.333	0.00	0.36	0.804	O	|	|	|	|	1.86	157.500	0.00	0.32	0.660	O	|	|	|	|	1.56
152.417	0.00	0.35	0.801	O	|	|	|	|	1.86	157.583	0.00	0.32	0.657	O	|	|	|	|	1.55
152.500	0.00	0.35	0.799	O	|	|	|	|	1.85	157.667	0.00	0.32	0.655	O	|	|	|	|	1.55
152.583	0.00	0.35	0.797	O	|	|	|	|	1.85	157.750	0.00	0.32	0.653	O	|	|	|	|	1.54
152.667	0.00	0.35	0.794	O	|	|	|	|	1.84	157.833	0.00	0.32	0.651	O	|	|	|	|	1.54
152.750	0.00	0.35	0.792	O	|	|	|	|	1.84	157.917	0.00	0.32	0.649	O	|	|	|	|	1.53
152.833	0.00	0.35	0.789	O	|	|	|	|	1.83	158.000	0.00	0.32	0.646	O	|	|	|	|	1.53
152.917	0.00	0.35	0.787	O	|	|	|	|	1.83	158.083	0.00	0.32	0.644	O	|	|	|	|	1.52
153.000	0.00	0.35	0.784	O	|	|	|	|	1.82	158.167	0.00	0.32	0.642	O	|	|	|	|	1.52
153.083	0.00	0.35	0.782	O	|	|	|	|	1.82	158.250	0.00	0.32	0.640	O	|	|	|	|	1.52
153.167	0.00	0.35	0.780	O	|	|	|	|	1.81	158.333	0.00	0.32	0.638	O	|	|	|	|	1.51
153.250	0.00	0.35	0.777	O	|	|	|	|	1.81	158.417	0.00	0.32	0.635	O	|	|	|	|	1.51
153.333	0.00	0.35	0.775	O	|	|	|	|	1.80	158.500	0.00	0.32	0.633	O	|	|	|	|	1.50
153.417	0.00	0.35	0.772	O	|	|	|	|	1.80	158.583	0.00	0.31	0.631	O	|	|	|	|	1.50
153.500	0.00	0.35	0.770	O	|	|	|	|	1.79	158.667	0.00	0.31	0.629	O	|	|	|	|	1.49
153.583	0.00	0.35	0.768	O	|	|	|	|	1.79	158.750	0.00	0.31	0.627	O	|	|	|	|	1.49
153.667	0.00	0.35	0.765	O	|	|	|	|	1.78	158.833	0.00	0.31	0.625	O	|	|	|	|	1.48
153.750	0.00	0.35	0.763	O	|	|	|	|	1.78	158.917	0.00	0.31	0.623	O	|	|	|	|	1.48
153.833	0.00	0.34	0.761	O	|	|	|	|	1.77	159.000	0.00	0.31	0.620	O	|	|	|	|	1.47
153.917	0.00	0.34	0.758	O	|	|	|	|	1.77	159.083	0.00	0.31	0.618	O	|	|	|	|	1.47
154.000	0.00	0.34	0.756	O	|	|	|	|	1.76	159.167	0.00	0.31	0.616	O	|	|	|	|	1.47
154.083	0.00	0.34	0.753	O	|	|	|	|	1.76	159.250	0.00	0.31	0.614	O	|	|	|	|	1.46
154.167	0.00	0.34	0.751	O	|	|	|	|	1.75	159.333	0.00	0.31	0.612	O	|	|	|	|	1.46
154.250	0.00	0.34	0.749	O	|	|	|	|	1.75	159.417	0.00	0.31	0.610	O	|	|	|	|	1.45
154.333	0.00	0.34	0.746	O	|	|	|	|	1.74	159.500	0.00	0.31	0.608	O	|	|	|	|	1.45
154.417	0.00	0.34	0.744	O	|	|	|	|	1.74	159.583	0.00	0.31	0.605	O	|	|	|	|	1.44
154.500	0.00	0.34	0.742	O	|	|	|	|	1.73	159.667	0.00	0.31	0.603	O	|	|	|	|	1.44

159.750	0.00	0.31	0.601	O	|	|	|	|	1.43	164.917	0.00	0.28	0.476	O	|	|	|	|	1.17
159.833	0.00	0.31	0.599	O	|	|	|	|	1.43	165.000	0.00	0.28	0.474	O	|	|	|	|	1.16
159.917	0.00	0.31	0.597	O	|	|	|	|	1.42	165.083	0.00	0.28	0.472	O	|	|	|	|	1.16
160.000	0.00	0.31	0.595	O	|	|	|	|	1.42	165.167	0.00	0.28	0.470	O	|	|	|	|	1.16
160.083	0.00	0.31	0.593	O	|	|	|	|	1.42	165.250	0.00	0.28	0.468	O	|	|	|	|	1.15
160.167	0.00	0.31	0.591	O	|	|	|	|	1.41	165.333	0.00	0.28	0.467	O	|	|	|	|	1.15
160.250	0.00	0.30	0.588	O	|	|	|	|	1.41	165.417	0.00	0.28	0.465	O	|	|	|	|	1.14
160.333	0.00	0.30	0.586	O	|	|	|	|	1.40	165.500	0.00	0.28	0.463	O	|	|	|	|	1.14
160.417	0.00	0.30	0.584	O	|	|	|	|	1.40	165.583	0.00	0.27	0.461	O	|	|	|	|	1.14
160.500	0.00	0.30	0.582	O	|	|	|	|	1.39	165.667	0.00	0.27	0.459	O	|	|	|	|	1.13
160.583	0.00	0.30	0.580	O	|	|	|	|	1.39	165.750	0.00	0.27	0.457	O	|	|	|	|	1.13
160.667	0.00	0.30	0.578	O	|	|	|	|	1.38	165.833	0.00	0.27	0.455	O	|	|	|	|	1.12
160.750	0.00	0.30	0.576	O	|	|	|	|	1.38	165.917	0.00	0.27	0.453	O	|	|	|	|	1.12
160.833	0.00	0.30	0.574	O	|	|	|	|	1.38	166.000	0.00	0.27	0.451	O	|	|	|	|	1.12
160.917	0.00	0.30	0.572	O	|	|	|	|	1.37	166.083	0.00	0.27	0.450	O	|	|	|	|	1.11
161.000	0.00	0.30	0.570	O	|	|	|	|	1.37	166.167	0.00	0.27	0.448	O	|	|	|	|	1.11
161.083	0.00	0.30	0.568	O	|	|	|	|	1.36	166.250	0.00	0.27	0.446	O	|	|	|	|	1.10
161.167	0.00	0.30	0.566	O	|	|	|	|	1.36	166.333	0.00	0.27	0.444	O	|	|	|	|	1.10
161.250	0.00	0.30	0.564	O	|	|	|	|	1.35	166.417	0.00	0.27	0.442	O	|	|	|	|	1.10
161.333	0.00	0.30	0.561	O	|	|	|	|	1.35	166.500	0.00	0.27	0.440	O	|	|	|	|	1.09
161.417	0.00	0.30	0.559	O	|	|	|	|	1.34	166.583	0.00	0.27	0.438	O	|	|	|	|	1.09
161.500	0.00	0.30	0.557	O	|	|	|	|	1.34	166.667	0.00	0.27	0.437	O	|	|	|	|	1.08
161.583	0.00	0.30	0.555	O	|	|	|	|	1.34	166.750	0.00	0.27	0.435	O	|	|	|	|	1.08
161.667	0.00	0.30	0.553	O	|	|	|	|	1.33	166.833	0.00	0.27	0.433	O	|	|	|	|	1.08
161.750	0.00	0.30	0.551	O	|	|	|	|	1.33	166.917	0.00	0.27	0.431	O	|	|	|	|	1.07
161.833	0.00	0.30	0.549	O	|	|	|	|	1.32	167.000	0.00	0.27	0.429	O	|	|	|	|	1.07
161.917	0.00	0.30	0.547	O	|	|	|	|	1.32	167.083	0.00	0.27	0.427	O	|	|	|	|	1.06
162.000	0.00	0.29	0.545	O	|	|	|	|	1.31	167.167	0.00	0.27	0.425	O	|	|	|	|	1.06
162.083	0.00	0.29	0.543	O	|	|	|	|	1.31	167.250	0.00	0.27	0.424	O	|	|	|	|	1.06
162.167	0.00	0.29	0.541	O	|	|	|	|	1.31	167.333	0.00	0.27	0.422	O	|	|	|	|	1.05
162.250	0.00	0.29	0.539	O	|	|	|	|	1.30	167.417	0.00	0.27	0.420	O	|	|	|	|	1.05
162.333	0.00	0.29	0.537	O	|	|	|	|	1.30	167.500	0.00	0.26	0.418	O	|	|	|	|	1.04
162.417	0.00	0.29	0.535	O	|	|	|	|	1.29	167.583	0.00	0.26	0.416	O	|	|	|	|	1.04
162.500	0.00	0.29	0.533	O	|	|	|	|	1.29	167.667	0.00	0.26	0.414	O	|	|	|	|	1.04
162.583	0.00	0.29	0.531	O	|	|	|	|	1.28	167.750	0.00	0.26	0.413	O	|	|	|	|	1.03
162.667	0.00	0.29	0.529	O	|	|	|	|	1.28	167.833	0.00	0.26	0.411	O	|	|	|	|	1.03
162.750	0.00	0.29	0.527	O	|	|	|	|	1.28	167.917	0.00	0.26	0.409	O	|	|	|	|	1.03
162.833	0.00	0.29	0.525	O	|	|	|	|	1.27	168.000	0.00	0.26	0.407	O	|	|	|	|	1.02
162.917	0.00	0.29	0.523	O	|	|	|	|	1.27	168.083	0.00	0.26	0.405	O	|	|	|	|	1.02
163.000	0.00	0.29	0.521	O	|	|	|	|	1.26	168.167	0.00	0.26	0.404	O	|	|	|	|	1.01
163.083	0.00	0.29	0.519	O	|	|	|	|	1.26	168.250	0.00	0.26	0.402	O	|	|	|	|	1.01
163.167	0.00	0.29	0.517	O	|	|	|	|	1.25	168.333	0.00	0.26	0.400	O	|	|	|	|	1.01
163.250	0.00	0.29	0.515	O	|	|	|	|	1.25	168.417	0.00	0.26	0.398	O	|	|	|	|	1.00
163.333	0.00	0.29	0.513	O	|	|	|	|	1.25	168.500	0.00	0.26	0.396	O	|	|	|	|	1.00
163.417	0.00	0.29	0.511	O	|	|	|	|	1.24	168.583	0.00	0.26	0.395	O	|	|	|	|	0.99
163.500	0.00	0.29	0.509	O	|	|	|	|	1.24	168.667	0.00	0.26	0.393	O	|	|	|	|	0.99
163.583	0.00	0.29	0.507	O	|	|	|	|	1.23	168.750	0.00	0.26	0.391	O	|	|	|	|	0.99
163.667	0.00	0.29	0.505	O	|	|	|	|	1.23	168.833	0.00	0.25	0.389	O	|	|	|	|	0.98
163.750	0.00	0.28	0.503	O	|	|	|	|	1.23	168.917	0.00	0.25	0.388	O	|	|	|	|	0.98
163.833	0.00	0.28	0.501	O	|	|	|	|	1.22	169.000	0.00	0.25	0.386	O	|	|	|	|	0.97
163.917	0.00	0.28	0.499	O	|	|	|	|	1.22	169.083	0.00	0.25	0.384	O	|	|	|	|	0.97
164.000	0.00	0.28	0.497	O	|	|	|	|	1.21	169.167	0.00	0.25	0.382	O	|	|	|	|	0.96
164.083	0.00	0.28	0.495	O	|	|	|	|	1.21	169.250	0.00	0.25	0.381	O	|	|	|	|	0.96
164.167	0.00	0.28	0.493	O	|	|	|	|	1.20	169.333	0.00	0.25	0.379	O	|	|	|	|	0.95
164.250	0.00	0.28	0.492	O	|	|	|	|	1.20	169.417	0.00	0.25	0.377	O	|	|	|	|	0.95
164.333	0.00	0.28	0.490	O	|	|	|	|	1.20	169.500	0.00	0.25	0.376	O	|	|	|	|	0.95
164.417	0.00	0.28	0.488	O	|	|	|	|	1.19	169.583	0.00	0.24	0.374	O	|	|	|	|	0.94
164.500	0.00	0.28	0.486	O	|	|	|	|	1.19	169.667	0.00	0.24	0.372	O	|	|	|	|	0.94
164.583	0.00	0.28	0.484	O	|	|	|	|	1.18	169.750	0.00	0.24	0.370	O	|	|	|	|	0.93
164.667	0.00	0.28	0.482	O	|	|	|	|	1.18	169.833	0.00	0.24	0.369	O	|	|	|	|	0.93
164.750	0.00	0.28	0.480	O	|	|	|	|	1.18	169.917	0.00	0.24	0.367	O	|	|	|	|	0.92
164.833	0.00	0.28	0.478	O	|	|	|	|	1.17	170.000	0.00	0.24	0.366	O	|	|	|	|	0.92

170.083	0.00	0.24	0.364	O	|	|	|	|	0.92	175.250	0.00	0.18	0.275	O	|	|	|	|	0.69
170.167	0.00	0.24	0.362	O	|	|	|	|	0.91	175.333	0.00	0.18	0.274	O	|	|	|	|	0.69
170.250	0.00	0.24	0.361	O	|	|	|	|	0.91	175.417	0.00	0.18	0.273	O	|	|	|	|	0.69
170.333	0.00	0.24	0.359	O	|	|	|	|	0.90	175.500	0.00	0.18	0.271	O	|	|	|	|	0.68
170.417	0.00	0.23	0.357	O	|	|	|	|	0.90	175.583	0.00	0.18	0.270	O	|	|	|	|	0.68
170.500	0.00	0.23	0.356	O	|	|	|	|	0.90	175.667	0.00	0.18	0.269	O	|	|	|	|	0.68
170.583	0.00	0.23	0.354	O	|	|	|	|	0.89	175.750	0.00	0.18	0.268	O	|	|	|	|	0.67
170.667	0.00	0.23	0.353	O	|	|	|	|	0.89	175.833	0.00	0.17	0.267	O	|	|	|	|	0.67
170.750	0.00	0.23	0.351	O	|	|	|	|	0.88	175.917	0.00	0.17	0.265	O	|	|	|	|	0.67
170.833	0.00	0.23	0.349	O	|	|	|	|	0.88	176.000	0.00	0.17	0.264	O	|	|	|	|	0.67
170.917	0.00	0.23	0.348	O	|	|	|	|	0.88	176.083	0.00	0.17	0.263	O	|	|	|	|	0.66
171.000	0.00	0.23	0.346	O	|	|	|	|	0.87	176.167	0.00	0.17	0.262	O	|	|	|	|	0.66
171.083	0.00	0.23	0.345	O	|	|	|	|	0.87	176.250	0.00	0.17	0.261	O	|	|	|	|	0.66
171.167	0.00	0.22	0.343	O	|	|	|	|	0.86	176.333	0.00	0.17	0.259	O	|	|	|	|	0.65
171.250	0.00	0.22	0.342	O	|	|	|	|	0.86	176.417	0.00	0.17	0.258	O	|	|	|	|	0.65
171.333	0.00	0.22	0.340	O	|	|	|	|	0.86	176.500	0.00	0.17	0.257	O	|	|	|	|	0.65
171.417	0.00	0.22	0.339	O	|	|	|	|	0.85	176.583	0.00	0.17	0.256	O	|	|	|	|	0.64
171.500	0.00	0.22	0.337	O	|	|	|	|	0.85	176.667	0.00	0.17	0.255	O	|	|	|	|	0.64
171.583	0.00	0.22	0.335	O	|	|	|	|	0.85	176.750	0.00	0.17	0.254	O	|	|	|	|	0.64
171.667	0.00	0.22	0.334	O	|	|	|	|	0.84	176.833	0.00	0.17	0.253	O	|	|	|	|	0.64
171.750	0.00	0.22	0.332	O	|	|	|	|	0.84	176.917	0.00	0.16	0.251	O	|	|	|	|	0.63
171.833	0.00	0.22	0.331	O	|	|	|	|	0.83	177.000	0.00	0.16	0.250	O	|	|	|	|	0.63
171.917	0.00	0.22	0.329	O	|	|	|	|	0.83	177.083	0.00	0.16	0.249	O	|	|	|	|	0.63
172.000	0.00	0.21	0.328	O	|	|	|	|	0.83	177.167	0.00	0.16	0.248	O	|	|	|	|	0.62
172.083	0.00	0.21	0.327	O	|	|	|	|	0.82	177.250	0.00	0.16	0.247	O	|	|	|	|	0.62
172.167	0.00	0.21	0.325	O	|	|	|	|	0.82	177.333	0.00	0.16	0.246	O	|	|	|	|	0.62
172.250	0.00	0.21	0.324	O	|	|	|	|	0.82	177.417	0.00	0.16	0.245	O	|	|	|	|	0.62
172.333	0.00	0.21	0.322	O	|	|	|	|	0.81	177.500	0.00	0.16	0.244	O	|	|	|	|	0.61
172.417	0.00	0.21	0.321	O	|	|	|	|	0.81	177.583	0.00	0.16	0.242	O	|	|	|	|	0.61
172.500	0.00	0.21	0.319	O	|	|	|	|	0.80	177.667	0.00	0.16	0.241	O	|	|	|	|	0.61
172.583	0.00	0.21	0.318	O	|	|	|	|	0.80	177.750	0.00	0.16	0.240	O	|	|	|	|	0.61
172.667	0.00	0.21	0.316	O	|	|	|	|	0.80	177.833	0.00	0.16	0.239	O	|	|	|	|	0.60
172.750	0.00	0.21	0.315	O	|	|	|	|	0.79	177.917	0.00	0.16	0.238	O	|	|	|	|	0.60
172.833	0.00	0.21	0.314	O	|	|	|	|	0.79	178.000	0.00	0.16	0.237	O	|	|	|	|	0.60
172.917	0.00	0.20	0.312	O	|	|	|	|	0.79	178.083	0.00	0.15	0.236	O	|	|	|	|	0.59
173.000	0.00	0.20	0.311	O	|	|	|	|	0.78	178.167	0.00	0.15	0.235	O	|	|	|	|	0.59
173.083	0.00	0.20	0.309	O	|	|	|	|	0.78	178.250	0.00	0.15	0.234	O	|	|	|	|	0.59
173.167	0.00	0.20	0.308	O	|	|	|	|	0.78	178.333	0.00	0.15	0.233	O	|	|	|	|	0.59
173.250	0.00	0.20	0.307	O	|	|	|	|	0.77	178.417	0.00	0.15	0.232	O	|	|	|	|	0.58
173.333	0.00	0.20	0.305	O	|	|	|	|	0.77	178.500	0.00	0.15	0.231	O	|	|	|	|	0.58
173.417	0.00	0.20	0.304	O	|	|	|	|	0.77	178.583	0.00	0.15	0.230	O	|	|	|	|	0.58
173.500	0.00	0.20	0.302	O	|	|	|	|	0.76	178.667	0.00	0.15	0.229	O	|	|	|	|	0.58
173.583	0.00	0.20	0.301	O	|	|	|	|	0.76	178.750	0.00	0.15	0.228	O	|	|	|	|	0.57
173.667	0.00	0.20	0.300	O	|	|	|	|	0.75	178.833	0.00	0.15	0.227	O	|	|	|	|	0.57
173.750	0.00	0.20	0.298	O	|	|	|	|	0.75	178.917	0.00	0.15	0.226	O	|	|	|	|	0.57
173.833	0.00	0.19	0.297	O	|	|	|	|	0.75	179.000	0.00	0.15	0.225	O	|	|	|	|	0.57
173.917	0.00	0.19	0.296	O	|	|	|	|	0.74	179.083	0.00	0.15	0.224	O	|	|	|	|	0.56
174.000	0.00	0.19	0.294	O	|	|	|	|	0.74	179.167	0.00	0.15	0.223	O	|	|	|	|	0.56
174.083	0.00	0.19	0.293	O	|	|	|	|	0.74	179.250	0.00	0.15	0.222	O	|	|	|	|	0.56
174.167	0.00	0.19	0.292	O	|	|	|	|	0.73	179.333	0.00	0.14	0.221	O	|	|	|	|	0.56
174.250	0.00	0.19	0.290	O	|	|	|	|	0.73	179.417	0.00	0.14	0.220	O	|	|	|	|	0.55
174.333	0.00	0.19	0.289	O	|	|	|	|	0.73	179.500	0.00	0.14	0.219	O	|	|	|	|	0.55
174.417	0.00	0.19	0.288	O	|	|	|	|	0.72	179.583	0.00	0.14	0.218	O	|	|	|	|	0.55
174.500	0.00	0.19	0.286	O	|	|	|	|	0.72	179.667	0.00	0.14	0.217	O	|	|	|	|	0.55
174.583	0.00	0.19	0.285	O	|	|	|	|	0.72	179.750	0.00	0.14	0.216	O	|	|	|	|	0.54
174.667	0.00	0.19	0.284	O	|	|	|	|	0.72	179.833	0.00	0.14	0.215	O	|	|	|	|	0.54
174.750	0.00	0.19	0.283	O	|	|	|	|	0.71	179.917	0.00	0.14	0.214	O	|	|	|	|	0.54
174.833	0.00	0.18	0.281	O	|	|	|	|	0.71	180.000	0.00	0.14	0.213	O	|	|	|	|	0.54
174.917	0.00	0.18	0.280	O	|	|	|	|	0.71	180.083	0.00	0.14	0.212	O	|	|	|	|	0.53
175.000	0.00	0.18	0.279	O	|	|	|	|	0.70	180.167	0.00	0.14	0.211	O	|	|	|	|	0.53
175.083	0.00	0.18	0.278	O	|	|	|	|	0.70	180.250	0.00	0.14	0.210	O	|	|	|	|	0.53
175.167	0.00	0.18	0.276	O	|	|	|	|	0.70	180.333	0.00	0.14	0.209	O	|	|	|	|	0.53

180.417	0.00	0.14	0.208	O	|	|	|	|	0.52	185.583	0.00	0.10	0.157	O	|	|	|	|	0.40
180.500	0.00	0.14	0.207	O	|	|	|	|	0.52	185.667	0.00	0.10	0.157	O	|	|	|	|	0.39
180.583	0.00	0.13	0.206	O	|	|	|	|	0.52	185.750	0.00	0.10	0.156	O	|	|	|	|	0.39
180.667	0.00	0.13	0.205	O	|	|	|	|	0.52	185.833	0.00	0.10	0.155	O	|	|	|	|	0.39
180.750	0.00	0.13	0.204	O	|	|	|	|	0.51	185.917	0.00	0.10	0.154	O	|	|	|	|	0.39
180.833	0.00	0.13	0.203	O	|	|	|	|	0.51	186.000	0.00	0.10	0.154	O	|	|	|	|	0.39
180.917	0.00	0.13	0.202	O	|	|	|	|	0.51	186.083	0.00	0.10	0.153	O	|	|	|	|	0.39
181.000	0.00	0.13	0.202	O	|	|	|	|	0.51	186.167	0.00	0.10	0.152	O	|	|	|	|	0.38
181.083	0.00	0.13	0.201	O	|	|	|	|	0.51	186.250	0.00	0.10	0.152	O	|	|	|	|	0.38
181.167	0.00	0.13	0.200	O	|	|	|	|	0.50	186.333	0.00	0.10	0.151	O	|	|	|	|	0.38
181.250	0.00	0.13	0.199	O	|	|	|	|	0.50	186.417	0.00	0.10	0.150	O	|	|	|	|	0.38
181.333	0.00	0.13	0.198	O	|	|	|	|	0.50	186.500	0.00	0.10	0.150	O	|	|	|	|	0.38
181.417	0.00	0.13	0.197	O	|	|	|	|	0.50	186.583	0.00	0.10	0.149	O	|	|	|	|	0.38
181.500	0.00	0.13	0.196	O	|	|	|	|	0.49	186.667	0.00	0.10	0.148	O	|	|	|	|	0.37
181.583	0.00	0.13	0.195	O	|	|	|	|	0.49	186.750	0.00	0.10	0.148	O	|	|	|	|	0.37
181.667	0.00	0.13	0.194	O	|	|	|	|	0.49	186.833	0.00	0.10	0.147	O	|	|	|	|	0.37
181.750	0.00	0.13	0.194	O	|	|	|	|	0.49	186.917	0.00	0.10	0.146	O	|	|	|	|	0.37
181.833	0.00	0.13	0.193	O	|	|	|	|	0.49	187.000	0.00	0.10	0.146	O	|	|	|	|	0.37
181.917	0.00	0.13	0.192	O	|	|	|	|	0.48	187.083	0.00	0.09	0.145	O	|	|	|	|	0.37
182.000	0.00	0.13	0.191	O	|	|	|	|	0.48	187.167	0.00	0.09	0.144	O	|	|	|	|	0.36
182.083	0.00	0.12	0.190	O	|	|	|	|	0.48	187.250	0.00	0.09	0.144	O	|	|	|	|	0.36
182.167	0.00	0.12	0.189	O	|	|	|	|	0.48	187.333	0.00	0.09	0.143	O	|	|	|	|	0.36
182.250	0.00	0.12	0.188	O	|	|	|	|	0.47	187.417	0.00	0.09	0.142	O	|	|	|	|	0.36
182.333	0.00	0.12	0.187	O	|	|	|	|	0.47	187.500	0.00	0.09	0.142	O	|	|	|	|	0.36
182.417	0.00	0.12	0.187	O	|	|	|	|	0.47	187.583	0.00	0.09	0.141	O	|	|	|	|	0.36
182.500	0.00	0.12	0.186	O	|	|	|	|	0.47	187.667	0.00	0.09	0.140	O	|	|	|	|	0.35
182.583	0.00	0.12	0.185	O	|	|	|	|	0.47	187.750	0.00	0.09	0.140	O	|	|	|	|	0.35
182.667	0.00	0.12	0.184	O	|	|	|	|	0.46	187.833	0.00	0.09	0.139	O	|	|	|	|	0.35
182.750	0.00	0.12	0.183	O	|	|	|	|	0.46	187.917	0.00	0.09	0.139	O	|	|	|	|	0.35
182.833	0.00	0.12	0.182	O	|	|	|	|	0.46	188.000	0.00	0.09	0.138	O	|	|	|	|	0.35
182.917	0.00	0.12	0.182	O	|	|	|	|	0.46	188.083	0.00	0.09	0.137	O	|	|	|	|	0.35
183.000	0.00	0.12	0.181	O	|	|	|	|	0.46	188.167	0.00	0.09	0.137	O	|	|	|	|	0.34
183.083	0.00	0.12	0.180	O	|	|	|	|	0.45	188.250	0.00	0.09	0.136	O	|	|	|	|	0.34
183.167	0.00	0.12	0.179	O	|	|	|	|	0.45	188.333	0.00	0.09	0.136	O	|	|	|	|	0.34
183.250	0.00	0.12	0.178	O	|	|	|	|	0.45	188.417	0.00	0.09	0.135	O	|	|	|	|	0.34
183.333	0.00	0.12	0.178	O	|	|	|	|	0.45	188.500	0.00	0.09	0.134	O	|	|	|	|	0.34
183.417	0.00	0.12	0.177	O	|	|	|	|	0.45	188.583	0.00	0.09	0.134	O	|	|	|	|	0.34
183.500	0.00	0.12	0.176	O	|	|	|	|	0.44	188.667	0.00	0.09	0.133	O	|	|	|	|	0.34
183.583	0.00	0.11	0.175	O	|	|	|	|	0.44	188.750	0.00	0.09	0.132	O	|	|	|	|	0.33
183.667	0.00	0.11	0.174	O	|	|	|	|	0.44	188.833	0.00	0.09	0.132	O	|	|	|	|	0.33
183.750	0.00	0.11	0.174	O	|	|	|	|	0.44	188.917	0.00	0.09	0.131	O	|	|	|	|	0.33
183.833	0.00	0.11	0.173	O	|	|	|	|	0.44	189.000	0.00	0.09	0.131	O	|	|	|	|	0.33
183.917	0.00	0.11	0.172	O	|	|	|	|	0.43	189.083	0.00	0.09	0.130	O	|	|	|	|	0.33
184.000	0.00	0.11	0.171	O	|	|	|	|	0.43	189.167	0.00	0.08	0.130	O	|	|	|	|	0.33
184.083	0.00	0.11	0.171	O	|	|	|	|	0.43	189.250	0.00	0.08	0.129	O	|	|	|	|	0.32
184.167	0.00	0.11	0.170	O	|	|	|	|	0.43	189.333	0.00	0.08	0.128	O	|	|	|	|	0.32
184.250	0.00	0.11	0.169	O	|	|	|	|	0.43	189.417	0.00	0.08	0.128	O	|	|	|	|	0.32
184.333	0.00	0.11	0.168	O	|	|	|	|	0.42	189.500	0.00	0.08	0.127	O	|	|	|	|	0.32
184.417	0.00	0.11	0.168	O	|	|	|	|	0.42	189.583	0.00	0.08	0.127	O	|	|	|	|	0.32
184.500	0.00	0.11	0.167	O	|	|	|	|	0.42	189.667	0.00	0.08	0.126	O	|	|	|	|	0.32
184.583	0.00	0.11	0.166	O	|	|	|	|	0.42	189.750	0.00	0.08	0.126	O	|	|	|	|	0.32
184.667	0.00	0.11	0.165	O	|	|	|	|	0.42	189.833	0.00	0.08	0.125	O	|	|	|	|	0.31
184.750	0.00	0.11	0.165	O	|	|	|	|	0.41	189.917	0.00	0.08	0.124	O	|	|	|	|	0.31
184.833	0.00	0.11	0.164	O	|	|	|	|	0.41	190.000	0.00	0.08	0.124	O	|	|	|	|	0.31
184.917	0.00	0.11	0.163	O	|	|	|	|	0.41	190.083	0.00	0.08	0.123	O	|	|	|	|	0.31
185.000	0.00	0.11	0.162	O	|	|	|	|	0.41	190.167	0.00	0.08	0.123	O	|	|	|	|	0.31
185.083	0.00	0.11	0.162	O	|	|	|	|	0.41	190.250	0.00	0.08	0.122	O	|	|	|	|	0.31
185.167	0.00	0.11	0.161	O	|	|	|	|	0.41	190.333	0.00	0.08	0.122	O	|	|	|	|	0.31
185.250	0.00	0.10	0.160	O	|	|	|	|	0.40	190.417	0.00	0.08	0.121	O	|	|	|	|	0.30
185.333	0.00	0.10	0.159	O	|	|	|	|	0.40	190.500	0.00	0.08	0.121	O	|	|	|	|	0.30
185.417	0.00	0.10	0.159	O	|	|	|	|	0.40	190.583	0.00	0.08	0.120	O	|	|	|	|	0.30
185.500	0.00	0.10	0.158	O	|	|	|	|	0.40	190.667	0.00	0.08	0.119	O	|	|	|	|	0.30

190.750	0.00	0.08	0.119	O	|	|	|	|	0.30	195.917	0.00	0.06	0.090	O	|	|	|	|	0.23
190.833	0.00	0.08	0.118	O	|	|	|	|	0.30	196.000	0.00	0.06	0.089	O	|	|	|	|	0.23
190.917	0.00	0.08	0.118	O	|	|	|	|	0.30	196.083	0.00	0.06	0.089	O	|	|	|	|	0.22
191.000	0.00	0.08	0.117	O	|	|	|	|	0.30	196.167	0.00	0.06	0.089	O	|	|	|	|	0.22
191.083	0.00	0.08	0.117	O	|	|	|	|	0.29	196.250	0.00	0.06	0.088	O	|	|	|	|	0.22
191.167	0.00	0.08	0.116	O	|	|	|	|	0.29	196.333	0.00	0.06	0.088	O	|	|	|	|	0.22
191.250	0.00	0.08	0.116	O	|	|	|	|	0.29	196.417	0.00	0.06	0.087	O	|	|	|	|	0.22
191.333	0.00	0.08	0.115	O	|	|	|	|	0.29	196.500	0.00	0.06	0.087	O	|	|	|	|	0.22
191.417	0.00	0.08	0.115	O	|	|	|	|	0.29	196.583	0.00	0.06	0.087	O	|	|	|	|	0.22
191.500	0.00	0.07	0.114	O	|	|	|	|	0.29	196.667	0.00	0.06	0.086	O	|	|	|	|	0.22
191.583	0.00	0.07	0.114	O	|	|	|	|	0.29	196.750	0.00	0.06	0.086	O	|	|	|	|	0.22
191.667	0.00	0.07	0.113	O	|	|	|	|	0.28	196.833	0.00	0.06	0.086	O	|	|	|	|	0.22
191.750	0.00	0.07	0.113	O	|	|	|	|	0.28	196.917	0.00	0.06	0.085	O	|	|	|	|	0.21
191.833	0.00	0.07	0.112	O	|	|	|	|	0.28	197.000	0.00	0.06	0.085	O	|	|	|	|	0.21
191.917	0.00	0.07	0.112	O	|	|	|	|	0.28	197.083	0.00	0.06	0.084	O	|	|	|	|	0.21
192.000	0.00	0.07	0.111	O	|	|	|	|	0.28	197.167	0.00	0.06	0.084	O	|	|	|	|	0.21
192.083	0.00	0.07	0.111	O	|	|	|	|	0.28	197.250	0.00	0.05	0.084	O	|	|	|	|	0.21
192.167	0.00	0.07	0.110	O	|	|	|	|	0.28	197.333	0.00	0.05	0.083	O	|	|	|	|	0.21
192.250	0.00	0.07	0.110	O	|	|	|	|	0.28	197.417	0.00	0.05	0.083	O	|	|	|	|	0.21
192.333	0.00	0.07	0.109	O	|	|	|	|	0.27	197.500	0.00	0.05	0.083	O	|	|	|	|	0.21
192.417	0.00	0.07	0.109	O	|	|	|	|	0.27	197.583	0.00	0.05	0.082	O	|	|	|	|	0.21
192.500	0.00	0.07	0.108	O	|	|	|	|	0.27	197.667	0.00	0.05	0.082	O	|	|	|	|	0.21
192.583	0.00	0.07	0.108	O	|	|	|	|	0.27	197.750	0.00	0.05	0.081	O	|	|	|	|	0.21
192.667	0.00	0.07	0.107	O	|	|	|	|	0.27	197.833	0.00	0.05	0.081	O	|	|	|	|	0.20
192.750	0.00	0.07	0.107	O	|	|	|	|	0.27	197.917	0.00	0.05	0.081	O	|	|	|	|	0.20
192.833	0.00	0.07	0.106	O	|	|	|	|	0.27	198.000	0.00	0.05	0.080	O	|	|	|	|	0.20
192.917	0.00	0.07	0.106	O	|	|	|	|	0.27	198.083	0.00	0.05	0.080	O	|	|	|	|	0.20
193.000	0.00	0.07	0.105	O	|	|	|	|	0.27	198.167	0.00	0.05	0.080	O	|	|	|	|	0.20
193.083	0.00	0.07	0.105	O	|	|	|	|	0.26	198.250	0.00	0.05	0.079	O	|	|	|	|	0.20
193.167	0.00	0.07	0.104	O	|	|	|	|	0.26	198.333	0.00	0.05	0.079	O	|	|	|	|	0.20
193.250	0.00	0.07	0.104	O	|	|	|	|	0.26	198.417	0.00	0.05	0.079	O	|	|	|	|	0.20
193.333	0.00	0.07	0.103	O	|	|	|	|	0.26	198.500	0.00	0.05	0.078	O	|	|	|	|	0.20
193.417	0.00	0.07	0.103	O	|	|	|	|	0.26	198.583	0.00	0.05	0.078	O	|	|	|	|	0.20
193.500	0.00	0.07	0.102	O	|	|	|	|	0.26	198.667	0.00	0.05	0.077	O	|	|	|	|	0.20
193.583	0.00	0.07	0.102	O	|	|	|	|	0.26	198.750	0.00	0.05	0.077	O	|	|	|	|	0.19
193.667	0.00	0.07	0.102	O	|	|	|	|	0.26	198.833	0.00	0.05	0.077	O	|	|	|	|	0.19
193.750	0.00	0.07	0.101	O	|	|	|	|	0.25	198.917	0.00	0.05	0.076	O	|	|	|	|	0.19
193.833	0.00	0.07	0.101	O	|	|	|	|	0.25	199.000	0.00	0.05	0.076	O	|	|	|	|	0.19
193.917	0.00	0.07	0.100	O	|	|	|	|	0.25	199.083	0.00	0.05	0.076	O	|	|	|	|	0.19
194.000	0.00	0.07	0.100	O	|	|	|	|	0.25	199.167	0.00	0.05	0.075	O	|	|	|	|	0.19
194.083	0.00	0.07	0.099	O	|	|	|	|	0.25	199.250	0.00	0.05	0.075	O	|	|	|	|	0.19
194.167	0.00	0.06	0.099	O	|	|	|	|	0.25	199.333	0.00	0.05	0.075	O	|	|	|	|	0.19
194.250	0.00	0.06	0.098	O	|	|	|	|	0.25	199.417	0.00	0.05	0.074	O	|	|	|	|	0.19
194.333	0.00	0.06	0.098	O	|	|	|	|	0.25	199.500	0.00	0.05	0.074	O	|	|	|	|	0.19
194.417	0.00	0.06	0.097	O	|	|	|	|	0.25	199.583	0.00	0.05	0.074	O	|	|	|	|	0.19
194.500	0.00	0.06	0.097	O	|	|	|	|	0.24	199.667	0.00	0.05	0.073	O	|	|	|	|	0.18
194.583	0.00	0.06	0.097	O	|	|	|	|	0.24	199.750	0.00	0.05	0.073	O	|	|	|	|	0.18
194.667	0.00	0.06	0.096	O	|	|	|	|	0.24	199.833	0.00	0.05	0.073	O	|	|	|	|	0.18
194.750	0.00	0.06	0.096	O	|	|	|	|	0.24	199.917	0.00	0.05	0.072	O	|	|	|	|	0.18
194.833	0.00	0.06	0.095	O	|	|	|	|	0.24	200.000	0.00	0.05	0.072	O	|	|	|	|	0.18
194.917	0.00	0.06	0.095	O	|	|	|	|	0.24	200.083	0.00	0.05	0.072	O	|	|	|	|	0.18
195.000	0.00	0.06	0.094	O	|	|	|	|	0.24	200.167	0.00	0.05	0.071	O	|	|	|	|	0.18
195.083	0.00	0.06	0.094	O	|	|	|	|	0.24	200.250	0.00	0.05	0.071	O	|	|	|	|	0.18
195.167	0.00	0.06	0.094	O	|	|	|	|	0.24	200.333	0.00	0.05	0.071	O	|	|	|	|	0.18
195.250	0.00	0.06	0.093	O	|	|	|	|	0.23	200.417	0.00	0.05	0.070	O	|	|	|	|	0.18
195.333	0.00	0.06	0.093	O	|	|	|	|	0.23	200.500	0.00	0.05	0.070	O	|	|	|	|	0.18
195.417	0.00	0.06	0.092	O	|	|	|	|	0.23	200.583	0.00	0.05	0.070	O	|	|	|	|	0.18
195.500	0.00	0.06	0.092	O	|	|	|	|	0.23	200.667	0.00	0.05	0.070	O	|	|	|	|	0.18
195.583	0.00	0.06	0.092	O	|	|	|	|	0.23	200.750	0.00	0.05	0.069	O	|	|	|	|	0.17
195.667	0.00	0.06	0.091	O	|	|	|	|	0.23	200.833	0.00	0.05	0.069	O	|	|	|	|	0.17
195.750	0.00	0.06	0.091	O	|	|	|	|	0.23	200.917	0.00	0.04	0.069	O	|	|	|	|	0.17
195.833	0.00	0.06	0.090	O	|	|	|	|	0.23	201.000	0.00	0.04	0.068	O	|	|	|	|	0.17

201.083	0.00	0.04	0.068	O	|	|	|	|	0.17	206.250	0.00	0.03	0.051	O	|	|	|	|	0.13
201.167	0.00	0.04	0.068	O	|	|	|	|	0.17	206.333	0.00	0.03	0.051	O	|	|	|	|	0.13
201.250	0.00	0.04	0.067	O	|	|	|	|	0.17	206.417	0.00	0.03	0.051	O	|	|	|	|	0.13
201.333	0.00	0.04	0.067	O	|	|	|	|	0.17	206.500	0.00	0.03	0.051	O	|	|	|	|	0.13
201.417	0.00	0.04	0.067	O	|	|	|	|	0.17	206.583	0.00	0.03	0.050	O	|	|	|	|	0.13
201.500	0.00	0.04	0.066	O	|	|	|	|	0.17	206.667	0.00	0.03	0.050	O	|	|	|	|	0.13
201.583	0.00	0.04	0.066	O	|	|	|	|	0.17	206.750	0.00	0.03	0.050	O	|	|	|	|	0.13
201.667	0.00	0.04	0.066	O	|	|	|	|	0.17	206.833	0.00	0.03	0.050	O	|	|	|	|	0.13
201.750	0.00	0.04	0.066	O	|	|	|	|	0.17	206.917	0.00	0.03	0.050	O	|	|	|	|	0.12
201.833	0.00	0.04	0.065	O	|	|	|	|	0.16	207.000	0.00	0.03	0.049	O	|	|	|	|	0.12
201.917	0.00	0.04	0.065	O	|	|	|	|	0.16	207.083	0.00	0.03	0.049	O	|	|	|	|	0.12
202.000	0.00	0.04	0.065	O	|	|	|	|	0.16	207.167	0.00	0.03	0.049	O	|	|	|	|	0.12
202.083	0.00	0.04	0.064	O	|	|	|	|	0.16	207.250	0.00	0.03	0.049	O	|	|	|	|	0.12
202.167	0.00	0.04	0.064	O	|	|	|	|	0.16	207.333	0.00	0.03	0.048	O	|	|	|	|	0.12
202.250	0.00	0.04	0.064	O	|	|	|	|	0.16	207.417	0.00	0.03	0.048	O	|	|	|	|	0.12
202.333	0.00	0.04	0.064	O	|	|	|	|	0.16	207.500	0.00	0.03	0.048	O	|	|	|	|	0.12
202.417	0.00	0.04	0.063	O	|	|	|	|	0.16	207.583	0.00	0.03	0.048	O	|	|	|	|	0.12
202.500	0.00	0.04	0.063	O	|	|	|	|	0.16	207.667	0.00	0.03	0.048	O	|	|	|	|	0.12
202.583	0.00	0.04	0.063	O	|	|	|	|	0.16	207.750	0.00	0.03	0.047	O	|	|	|	|	0.12
202.667	0.00	0.04	0.062	O	|	|	|	|	0.16	207.833	0.00	0.03	0.047	O	|	|	|	|	0.12
202.750	0.00	0.04	0.062	O	|	|	|	|	0.16	207.917	0.00	0.03	0.047	O	|	|	|	|	0.12
202.833	0.00	0.04	0.062	O	|	|	|	|	0.16	208.000	0.00	0.03	0.047	O	|	|	|	|	0.12
202.917	0.00	0.04	0.062	O	|	|	|	|	0.16	208.083	0.00	0.03	0.047	O	|	|	|	|	0.12
203.000	0.00	0.04	0.061	O	|	|	|	|	0.15	208.167	0.00	0.03	0.046	O	|	|	|	|	0.12
203.083	0.00	0.04	0.061	O	|	|	|	|	0.15	208.250	0.00	0.03	0.046	O	|	|	|	|	0.12
203.167	0.00	0.04	0.061	O	|	|	|	|	0.15	208.333	0.00	0.03	0.046	O	|	|	|	|	0.12
203.250	0.00	0.04	0.060	O	|	|	|	|	0.15	208.417	0.00	0.03	0.046	O	|	|	|	|	0.12
203.333	0.00	0.04	0.060	O	|	|	|	|	0.15	208.500	0.00	0.03	0.045	O	|	|	|	|	0.11
203.417	0.00	0.04	0.060	O	|	|	|	|	0.15	208.583	0.00	0.03	0.045	O	|	|	|	|	0.11
203.500	0.00	0.04	0.060	O	|	|	|	|	0.15	208.667	0.00	0.03	0.045	O	|	|	|	|	0.11
203.583	0.00	0.04	0.059	O	|	|	|	|	0.15	208.750	0.00	0.03	0.045	O	|	|	|	|	0.11
203.667	0.00	0.04	0.059	O	|	|	|	|	0.15	208.833	0.00	0.03	0.045	O	|	|	|	|	0.11
203.750	0.00	0.04	0.059	O	|	|	|	|	0.15	208.917	0.00	0.03	0.044	O	|	|	|	|	0.11
203.833	0.00	0.04	0.059	O	|	|	|	|	0.15	209.000	0.00	0.03	0.044	O	|	|	|	|	0.11
203.917	0.00	0.04	0.058	O	|	|	|	|	0.15	209.083	0.00	0.03	0.044	O	|	|	|	|	0.11
204.000	0.00	0.04	0.058	O	|	|	|	|	0.15	209.167	0.00	0.03	0.044	O	|	|	|	|	0.11
204.083	0.00	0.04	0.058	O	|	|	|	|	0.15	209.250	0.00	0.03	0.044	O	|	|	|	|	0.11
204.167	0.00	0.04	0.058	O	|	|	|	|	0.14	209.333	0.00	0.03	0.043	O	|	|	|	|	0.11
204.250	0.00	0.04	0.057	O	|	|	|	|	0.14	209.417	0.00	0.03	0.043	O	|	|	|	|	0.11
204.333	0.00	0.04	0.057	O	|	|	|	|	0.14	209.500	0.00	0.03	0.043	O	|	|	|	|	0.11
204.417	0.00	0.04	0.057	O	|	|	|	|	0.14	209.583	0.00	0.03	0.043	O	|	|	|	|	0.11
204.500	0.00	0.04	0.056	O	|	|	|	|	0.14	209.667	0.00	0.03	0.043	O	|	|	|	|	0.11
204.583	0.00	0.04	0.056	O	|	|	|	|	0.14	209.750	0.00	0.03	0.043	O	|	|	|	|	0.11
204.667	0.00	0.04	0.056	O	|	|	|	|	0.14	209.833	0.00	0.03	0.042	O	|	|	|	|	0.11
204.750	0.00	0.04	0.056	O	|	|	|	|	0.14	209.917	0.00	0.03	0.042	O	|	|	|	|	0.11
204.833	0.00	0.04	0.055	O	|	|	|	|	0.14	210.000	0.00	0.03	0.042	O	|	|	|	|	0.11
204.917	0.00	0.04	0.055	O	|	|	|	|	0.14	210.083	0.00	0.03	0.042	O	|	|	|	|	0.11
205.000	0.00	0.04	0.055	O	|	|	|	|	0.14	210.167	0.00	0.03	0.042	O	|	|	|	|	0.10
205.083	0.00	0.04	0.055	O	|	|	|	|	0.14	210.250	0.00	0.03	0.041	O	|	|	|	|	0.10
205.167	0.00	0.04	0.054	O	|	|	|	|	0.14	210.333	0.00	0.03	0.041	O	|	|	|	|	0.10
205.250	0.00	0.04	0.054	O	|	|	|	|	0.14	210.417	0.00	0.03	0.041	O	|	|	|	|	0.10
205.333	0.00	0.04	0.054	O	|	|	|	|	0.14	210.500	0.00	0.03	0.041	O	|	|	|	|	0.10
205.417	0.00	0.04	0.054	O	|	|	|	|	0.14	210.583	0.00	0.03	0.041	O	|	|	|	|	0.10
205.500	0.00	0.04	0.054	O	|	|	|	|	0.13	210.667	0.00	0.03	0.040	O	|	|	|	|	0.10
205.583	0.00	0.03	0.053	O	|	|	|	|	0.13	210.750	0.00	0.03	0.040	O	|	|	|	|	0.10
205.667	0.00	0.03	0.053	O	|	|	|	|	0.13	210.833	0.00	0.03	0.040	O	|	|	|	|	0.10
205.750	0.00	0.03	0.053	O	|	|	|	|	0.13	210.917	0.00	0.03	0.040	O	|	|	|	|	0.10
205.833	0.00	0.03	0.053	O	|	|	|	|	0.13	211.000	0.00	0.03	0.040	O	|	|	|	|	0.10
205.917	0.00	0.03	0.052	O	|	|	|	|	0.13	211.083	0.00	0.03	0.040	O	|	|	|	|	0.10
206.000	0.00	0.03	0.052	O	|	|	|	|	0.13	211.167	0.00	0.03	0.039	O	|	|	|	|	0.10
206.083	0.00	0.03	0.052	O	|	|	|	|	0.13	211.250	0.00	0.03	0.039	O	|	|	|	|	0.10
206.167	0.00	0.03	0.052	O	|	|	|	|	0.13	211.333	0.00	0.03	0.039	O	|	|	|	|	0.10

211.417	0.00	0.03	0.039	O	|	|	|	|	0.10	216.583	0.00	0.02	0.029	O	|	|	|	|	0.07
211.500	0.00	0.03	0.039	O	|	|	|	|	0.10	216.667	0.00	0.02	0.029	O	|	|	|	|	0.07
211.583	0.00	0.03	0.038	O	|	|	|	|	0.10	216.750	0.00	0.02	0.029	O	|	|	|	|	0.07
211.667	0.00	0.03	0.038	O	|	|	|	|	0.10	216.833	0.00	0.02	0.029	O	|	|	|	|	0.07
211.750	0.00	0.02	0.038	O	|	|	|	|	0.10	216.917	0.00	0.02	0.029	O	|	|	|	|	0.07
211.833	0.00	0.02	0.038	O	|	|	|	|	0.10	217.000	0.00	0.02	0.029	O	|	|	|	|	0.07
211.917	0.00	0.02	0.038	O	|	|	|	|	0.10	217.083	0.00	0.02	0.029	O	|	|	|	|	0.07
212.000	0.00	0.02	0.038	O	|	|	|	|	0.09	217.167	0.00	0.02	0.028	O	|	|	|	|	0.07
212.083	0.00	0.02	0.037	O	|	|	|	|	0.09	217.250	0.00	0.02	0.028	O	|	|	|	|	0.07
212.167	0.00	0.02	0.037	O	|	|	|	|	0.09	217.333	0.00	0.02	0.028	O	|	|	|	|	0.07
212.250	0.00	0.02	0.037	O	|	|	|	|	0.09	217.417	0.00	0.02	0.028	O	|	|	|	|	0.07
212.333	0.00	0.02	0.037	O	|	|	|	|	0.09	217.500	0.00	0.02	0.028	O	|	|	|	|	0.07
212.417	0.00	0.02	0.037	O	|	|	|	|	0.09	217.583	0.00	0.02	0.028	O	|	|	|	|	0.07
212.500	0.00	0.02	0.037	O	|	|	|	|	0.09	217.667	0.00	0.02	0.028	O	|	|	|	|	0.07
212.583	0.00	0.02	0.036	O	|	|	|	|	0.09	217.750	0.00	0.02	0.028	O	|	|	|	|	0.07
212.667	0.00	0.02	0.036	O	|	|	|	|	0.09	217.833	0.00	0.02	0.027	O	|	|	|	|	0.07
212.750	0.00	0.02	0.036	O	|	|	|	|	0.09	217.917	0.00	0.02	0.027	O	|	|	|	|	0.07
212.833	0.00	0.02	0.036	O	|	|	|	|	0.09	218.000	0.00	0.02	0.027	O	|	|	|	|	0.07
212.917	0.00	0.02	0.036	O	|	|	|	|	0.09	218.083	0.00	0.02	0.027	O	|	|	|	|	0.07
213.000	0.00	0.02	0.036	O	|	|	|	|	0.09	218.167	0.00	0.02	0.027	O	|	|	|	|	0.07
213.083	0.00	0.02	0.035	O	|	|	|	|	0.09	218.250	0.00	0.02	0.027	O	|	|	|	|	0.07
213.167	0.00	0.02	0.035	O	|	|	|	|	0.09	218.333	0.00	0.02	0.027	O	|	|	|	|	0.07
213.250	0.00	0.02	0.035	O	|	|	|	|	0.09	218.417	0.00	0.02	0.027	O	|	|	|	|	0.07
213.333	0.00	0.02	0.035	O	|	|	|	|	0.09	218.500	0.00	0.02	0.026	O	|	|	|	|	0.07
213.417	0.00	0.02	0.035	O	|	|	|	|	0.09	218.583	0.00	0.02	0.026	O	|	|	|	|	0.07
213.500	0.00	0.02	0.035	O	|	|	|	|	0.09	218.667	0.00	0.02	0.026	O	|	|	|	|	0.07
213.583	0.00	0.02	0.035	O	|	|	|	|	0.09	218.750	0.00	0.02	0.026	O	|	|	|	|	0.07
213.667	0.00	0.02	0.034	O	|	|	|	|	0.09	218.833	0.00	0.02	0.026	O	|	|	|	|	0.07
213.750	0.00	0.02	0.034	O	|	|	|	|	0.09	218.917	0.00	0.02	0.026	O	|	|	|	|	0.07
213.833	0.00	0.02	0.034	O	|	|	|	|	0.09	219.000	0.00	0.02	0.026	O	|	|	|	|	0.06
213.917	0.00	0.02	0.034	O	|	|	|	|	0.09	219.083	0.00	0.02	0.026	O	|	|	|	|	0.06
214.000	0.00	0.02	0.034	O	|	|	|	|	0.09	219.167	0.00	0.02	0.026	O	|	|	|	|	0.06
214.083	0.00	0.02	0.034	O	|	|	|	|	0.08	219.250	0.00	0.02	0.025	O	|	|	|	|	0.06
214.167	0.00	0.02	0.033	O	|	|	|	|	0.08	219.333	0.00	0.02	0.025	O	|	|	|	|	0.06
214.250	0.00	0.02	0.033	O	|	|	|	|	0.08	219.417	0.00	0.02	0.025	O	|	|	|	|	0.06
214.333	0.00	0.02	0.033	O	|	|	|	|	0.08	219.500	0.00	0.02	0.025	O	|	|	|	|	0.06
214.417	0.00	0.02	0.033	O	|	|	|	|	0.08	219.583	0.00	0.02	0.025	O	|	|	|	|	0.06
214.500	0.00	0.02	0.033	O	|	|	|	|	0.08	219.667	0.00	0.02	0.025	O	|	|	|	|	0.06
214.583	0.00	0.02	0.033	O	|	|	|	|	0.08	219.750	0.00	0.02	0.025	O	|	|	|	|	0.06
214.667	0.00	0.02	0.033	O	|	|	|	|	0.08	219.833	0.00	0.02	0.025	O	|	|	|	|	0.06
214.750	0.00	0.02	0.032	O	|	|	|	|	0.08	219.917	0.00	0.02	0.025	O	|	|	|	|	0.06
214.833	0.00	0.02	0.032	O	|	|	|	|	0.08	220.000	0.00	0.02	0.024	O	|	|	|	|	0.06
214.917	0.00	0.02	0.032	O	|	|	|	|	0.08	220.083	0.00	0.02	0.024	O	|	|	|	|	0.06
215.000	0.00	0.02	0.032	O	|	|	|	|	0.08	220.167	0.00	0.02	0.024	O	|	|	|	|	0.06
215.083	0.00	0.02	0.032	O	|	|	|	|	0.08	220.250	0.00	0.02	0.024	O	|	|	|	|	0.06
215.167	0.00	0.02	0.032	O	|	|	|	|	0.08	220.333	0.00	0.02	0.024	O	|	|	|	|	0.06
215.250	0.00	0.02	0.032	O	|	|	|	|	0.08	220.417	0.00	0.02	0.024	O	|	|	|	|	0.06
215.333	0.00	0.02	0.031	O	|	|	|	|	0.08	220.500	0.00	0.02	0.024	O	|	|	|	|	0.06
215.417	0.00	0.02	0.031	O	|	|	|	|	0.08	220.583	0.00	0.02	0.024	O	|	|	|	|	0.06
215.500	0.00	0.02	0.031	O	|	|	|	|	0.08	220.667	0.00	0.02	0.024	O	|	|	|	|	0.06
215.583	0.00	0.02	0.031	O	|	|	|	|	0.08	220.750	0.00	0.02	0.023	O	|	|	|	|	0.06
215.667	0.00	0.02	0.031	O	|	|	|	|	0.08	220.833	0.00	0.02	0.023	O	|	|	|	|	0.06
215.750	0.00	0.02	0.031	O	|	|	|	|	0.08	220.917	0.00	0.02	0.023	O	|	|	|	|	0.06
215.833	0.00	0.02	0.031	O	|	|	|	|	0.08	221.000	0.00	0.02	0.023	O	|	|	|	|	0.06
215.917	0.00	0.02	0.030	O	|	|	|	|	0.08	221.083	0.00	0.02	0.023	O	|	|	|	|	0.06
216.000	0.00	0.02	0.030	O	|	|	|	|	0.08	221.167	0.00	0.02	0.023	O	|	|	|	|	0.06
216.083	0.00	0.02	0.030	O	|	|	|	|	0.08	221.250	0.00	0.01	0.023	O	|	|	|	|	0.06
216.167	0.00	0.02	0.030	O	|	|	|	|	0.08	221.333	0.00	0.01	0.023	O	|	|	|	|	0.06
216.250	0.00	0.02	0.030	O	|	|	|	|	0.08	221.417	0.00	0.01	0.023	O	|	|	|	|	0.06
216.333	0.00	0.02	0.030	O	|	|	|	|	0.07	221.500	0.00	0.01	0.023	O	|	|	|	|	0.06
216.417	0.00	0.02	0.030	O	|	|	|	|	0.07	221.583	0.00	0.01	0.022	O	|	|	|	|	0.06
216.500	0.00	0.02	0.030	O	|	|	|	|	0.07	221.667	0.00	0.01	0.022	O	|	|	|	|	0.06

221.750	0.00	0.01	0.022	O	|	|	|	|	0.06	226.917	0.00	0.01	0.017	O	|	|	|	|	0.04
221.833	0.00	0.01	0.022	O	|	|	|	|	0.06	227.000	0.00	0.01	0.017	O	|	|	|	|	0.04
221.917	0.00	0.01	0.022	O	|	|	|	|	0.06	227.083	0.00	0.01	0.017	O	|	|	|	|	0.04
222.000	0.00	0.01	0.022	O	|	|	|	|	0.06	227.167	0.00	0.01	0.017	O	|	|	|	|	0.04
222.083	0.00	0.01	0.022	O	|	|	|	|	0.05	227.250	0.00	0.01	0.016	O	|	|	|	|	0.04
222.167	0.00	0.01	0.022	O	|	|	|	|	0.05	227.333	0.00	0.01	0.016	O	|	|	|	|	0.04
222.250	0.00	0.01	0.022	O	|	|	|	|	0.05	227.417	0.00	0.01	0.016	O	|	|	|	|	0.04
222.333	0.00	0.01	0.022	O	|	|	|	|	0.05	227.500	0.00	0.01	0.016	O	|	|	|	|	0.04
222.417	0.00	0.01	0.021	O	|	|	|	|	0.05	227.583	0.00	0.01	0.016	O	|	|	|	|	0.04
222.500	0.00	0.01	0.021	O	|	|	|	|	0.05	227.667	0.00	0.01	0.016	O	|	|	|	|	0.04
222.583	0.00	0.01	0.021	O	|	|	|	|	0.05	227.750	0.00	0.01	0.016	O	|	|	|	|	0.04
222.667	0.00	0.01	0.021	O	|	|	|	|	0.05	227.833	0.00	0.01	0.016	O	|	|	|	|	0.04
222.750	0.00	0.01	0.021	O	|	|	|	|	0.05	227.917	0.00	0.01	0.016	O	|	|	|	|	0.04
222.833	0.00	0.01	0.021	O	|	|	|	|	0.05	228.000	0.00	0.01	0.016	O	|	|	|	|	0.04
222.917	0.00	0.01	0.021	O	|	|	|	|	0.05	228.083	0.00	0.01	0.016	O	|	|	|	|	0.04
223.000	0.00	0.01	0.021	O	|	|	|	|	0.05	228.167	0.00	0.01	0.016	O	|	|	|	|	0.04
223.083	0.00	0.01	0.021	O	|	|	|	|	0.05	228.250	0.00	0.01	0.016	O	|	|	|	|	0.04
223.167	0.00	0.01	0.021	O	|	|	|	|	0.05	228.333	0.00	0.01	0.016	O	|	|	|	|	0.04
223.250	0.00	0.01	0.020	O	|	|	|	|	0.05	228.417	0.00	0.01	0.015	O	|	|	|	|	0.04
223.333	0.00	0.01	0.020	O	|	|	|	|	0.05	228.500	0.00	0.01	0.015	O	|	|	|	|	0.04
223.417	0.00	0.01	0.020	O	|	|	|	|	0.05	228.583	0.00	0.01	0.015	O	|	|	|	|	0.04
223.500	0.00	0.01	0.020	O	|	|	|	|	0.05	228.667	0.00	0.01	0.015	O	|	|	|	|	0.04
223.583	0.00	0.01	0.020	O	|	|	|	|	0.05	228.750	0.00	0.01	0.015	O	|	|	|	|	0.04
223.667	0.00	0.01	0.020	O	|	|	|	|	0.05	228.833	0.00	0.01	0.015	O	|	|	|	|	0.04
223.750	0.00	0.01	0.020	O	|	|	|	|	0.05	228.917	0.00	0.01	0.015	O	|	|	|	|	0.04
223.833	0.00	0.01	0.020	O	|	|	|	|	0.05	229.000	0.00	0.01	0.015	O	|	|	|	|	0.04
223.917	0.00	0.01	0.020	O	|	|	|	|	0.05	229.083	0.00	0.01	0.015	O	|	|	|	|	0.04
224.000	0.00	0.01	0.020	O	|	|	|	|	0.05	229.167	0.00	0.01	0.015	O	|	|	|	|	0.04
224.083	0.00	0.01	0.020	O	|	|	|	|	0.05	229.250	0.00	0.01	0.015	O	|	|	|	|	0.04
224.167	0.00	0.01	0.019	O	|	|	|	|	0.05	229.333	0.00	0.01	0.015	O	|	|	|	|	0.04
224.250	0.00	0.01	0.019	O	|	|	|	|	0.05	229.417	0.00	0.01	0.015	O	|	|	|	|	0.04
224.333	0.00	0.01	0.019	O	|	|	|	|	0.05	229.500	0.00	0.01	0.015	O	|	|	|	|	0.04
224.417	0.00	0.01	0.019	O	|	|	|	|	0.05	229.583	0.00	0.01	0.015	O	|	|	|	|	0.04
224.500	0.00	0.01	0.019	O	|	|	|	|	0.05	229.667	0.00	0.01	0.014	O	|	|	|	|	0.04
224.583	0.00	0.01	0.019	O	|	|	|	|	0.05	229.750	0.00	0.01	0.014	O	|	|	|	|	0.04
224.667	0.00	0.01	0.019	O	|	|	|	|	0.05	229.833	0.00	0.01	0.014	O	|	|	|	|	0.04
224.750	0.00	0.01	0.019	O	|	|	|	|	0.05	229.917	0.00	0.01	0.014	O	|	|	|	|	0.04
224.833	0.00	0.01	0.019	O	|	|	|	|	0.05	230.000	0.00	0.01	0.014	O	|	|	|	|	0.04
224.917	0.00	0.01	0.019	O	|	|	|	|	0.05	230.083	0.00	0.01	0.014	O	|	|	|	|	0.04
225.000	0.00	0.01	0.019	O	|	|	|	|	0.05	230.167	0.00	0.01	0.014	O	|	|	|	|	0.04
225.083	0.00	0.01	0.019	O	|	|	|	|	0.05	230.250	0.00	0.01	0.014	O	|	|	|	|	0.04
225.167	0.00	0.01	0.018	O	|	|	|	|	0.05	230.333	0.00	0.01	0.014	O	|	|	|	|	0.04
225.250	0.00	0.01	0.018	O	|	|	|	|	0.05	230.417	0.00	0.01	0.014	O	|	|	|	|	0.03
225.333	0.00	0.01	0.018	O	|	|	|	|	0.05	230.500	0.00	0.01	0.014	O	|	|	|	|	0.03
225.417	0.00	0.01	0.018	O	|	|	|	|	0.05	230.583	0.00	0.01	0.014	O	|	|	|	|	0.03
225.500	0.00	0.01	0.018	O	|	|	|	|	0.05	230.667	0.00	0.01	0.014	O	|	|	|	|	0.03
225.583	0.00	0.01	0.018	O	|	|	|	|	0.05	230.750	0.00	0.01	0.014	O	|	|	|	|	0.03
225.667	0.00	0.01	0.018	O	|	|	|	|	0.05	230.833	0.00	0.01	0.014	O	|	|	|	|	0.03
225.750	0.00	0.01	0.018	O	|	|	|	|	0.05	230.917	0.00	0.01	0.014	O	|	|	|	|	0.03
225.833	0.00	0.01	0.018	O	|	|	|	|	0.04	231.000	0.00	0.01	0.013	O	|	|	|	|	0.03
225.917	0.00	0.01	0.018	O	|	|	|	|	0.04	231.083	0.00	0.01	0.013	O	|	|	|	|	0.03
226.000	0.00	0.01	0.018	O	|	|	|	|	0.04	231.167	0.00	0.01	0.013	O	|	|	|	|	0.03
226.083	0.00	0.01	0.018	O	|	|	|	|	0.04	231.250	0.00	0.01	0.013	O	|	|	|	|	0.03
226.167	0.00	0.01	0.017	O	|	|	|	|	0.04	231.333	0.00	0.01	0.013	O	|	|	|	|	0.03
226.250	0.00	0.01	0.017	O	|	|	|	|	0.04	231.417	0.00	0.01	0.013	O	|	|	|	|	0.03
226.333	0.00	0.01	0.017	O	|	|	|	|	0.04	231.500	0.00	0.01	0.013	O	|	|	|	|	0.03
226.417	0.00	0.01	0.017	O	|	|	|	|	0.04	231.583	0.00	0.01	0.013	O	|	|	|	|	0.03
226.500	0.00	0.01	0.017	O	|	|	|	|	0.04	231.667	0.00	0.01	0.013	O	|	|	|	|	0.03
226.583	0.00	0.01	0.017	O	|	|	|	|	0.04	231.750	0.00	0.01	0.013	O	|	|	|	|	0.03
226.667	0.00	0.01	0.017	O	|	|	|	|	0.04	231.833	0.00	0.01	0.013	O	|	|	|	|	0.03
226.750	0.00	0.01	0.017	O	|	|	|	|	0.04	231.917	0.00	0.01	0.013	O	|	|	|	|	0.03
226.833	0.00	0.01	0.017	O	|	|	|	|	0.04	232.000	0.00	0.01	0.013	O	|	|	|	|	0.03

232.083	0.00	0.01	0.013	O	|	|	|	|	0.03	237.250	0.00	0.01	0.010	O	|	|	|	|	0.02
232.167	0.00	0.01	0.013	O	|	|	|	|	0.03	237.333	0.00	0.01	0.010	O	|	|	|	|	0.02
232.250	0.00	0.01	0.013	O	|	|	|	|	0.03	237.417	0.00	0.01	0.010	O	|	|	|	|	0.02
232.333	0.00	0.01	0.013	O	|	|	|	|	0.03	237.500	0.00	0.01	0.009	O	|	|	|	|	0.02
232.417	0.00	0.01	0.012	O	|	|	|	|	0.03	237.583	0.00	0.01	0.009	O	|	|	|	|	0.02
232.500	0.00	0.01	0.012	O	|	|	|	|	0.03	237.667	0.00	0.01	0.009	O	|	|	|	|	0.02
232.583	0.00	0.01	0.012	O	|	|	|	|	0.03	237.750	0.00	0.01	0.009	O	|	|	|	|	0.02
232.667	0.00	0.01	0.012	O	|	|	|	|	0.03	237.833	0.00	0.01	0.009	O	|	|	|	|	0.02
232.750	0.00	0.01	0.012	O	|	|	|	|	0.03	237.917	0.00	0.01	0.009	O	|	|	|	|	0.02
232.833	0.00	0.01	0.012	O	|	|	|	|	0.03	238.000	0.00	0.01	0.009	O	|	|	|	|	0.02
232.917	0.00	0.01	0.012	O	|	|	|	|	0.03	238.083	0.00	0.01	0.009	O	|	|	|	|	0.02
233.000	0.00	0.01	0.012	O	|	|	|	|	0.03	238.167	0.00	0.01	0.009	O	|	|	|	|	0.02
233.083	0.00	0.01	0.012	O	|	|	|	|	0.03	238.250	0.00	0.01	0.009	O	|	|	|	|	0.02
233.167	0.00	0.01	0.012	O	|	|	|	|	0.03	238.333	0.00	0.01	0.009	O	|	|	|	|	0.02
233.250	0.00	0.01	0.012	O	|	|	|	|	0.03	238.417	0.00	0.01	0.009	O	|	|	|	|	0.02
233.333	0.00	0.01	0.012	O	|	|	|	|	0.03	238.500	0.00	0.01	0.009	O	|	|	|	|	0.02
233.417	0.00	0.01	0.012	O	|	|	|	|	0.03	238.583	0.00	0.01	0.009	O	|	|	|	|	0.02
233.500	0.00	0.01	0.012	O	|	|	|	|	0.03	238.667	0.00	0.01	0.009	O	|	|	|	|	0.02
233.583	0.00	0.01	0.012	O	|	|	|	|	0.03	238.750	0.00	0.01	0.009	O	|	|	|	|	0.02
233.667	0.00	0.01	0.012	O	|	|	|	|	0.03	238.833	0.00	0.01	0.009	O	|	|	|	|	0.02
233.750	0.00	0.01	0.012	O	|	|	|	|	0.03	238.917	0.00	0.01	0.009	O	|	|	|	|	0.02
233.833	0.00	0.01	0.012	O	|	|	|	|	0.03	239.000	0.00	0.01	0.009	O	|	|	|	|	0.02
233.917	0.00	0.01	0.011	O	|	|	|	|	0.03	239.083	0.00	0.01	0.009	O	|	|	|	|	0.02
234.000	0.00	0.01	0.011	O	|	|	|	|	0.03	239.167	0.00	0.01	0.009	O	|	|	|	|	0.02
234.083	0.00	0.01	0.011	O	|	|	|	|	0.03	239.250	0.00	0.01	0.009	O	|	|	|	|	0.02
234.167	0.00	0.01	0.011	O	|	|	|	|	0.03	239.333	0.00	0.01	0.009	O	|	|	|	|	0.02
234.250	0.00	0.01	0.011	O	|	|	|	|	0.03	239.417	0.00	0.01	0.009	O	|	|	|	|	0.02
234.333	0.00	0.01	0.011	O	|	|	|	|	0.03	239.500	0.00	0.01	0.008	O	|	|	|	|	0.02
234.417	0.00	0.01	0.011	O	|	|	|	|	0.03	239.583	0.00	0.01	0.008	O	|	|	|	|	0.02
234.500	0.00	0.01	0.011	O	|	|	|	|	0.03	239.667	0.00	0.01	0.008	O	|	|	|	|	0.02
234.583	0.00	0.01	0.011	O	|	|	|	|	0.03	239.750	0.00	0.01	0.008	O	|	|	|	|	0.02
234.667	0.00	0.01	0.011	O	|	|	|	|	0.03	239.833	0.00	0.01	0.008	O	|	|	|	|	0.02
234.750	0.00	0.01	0.011	O	|	|	|	|	0.03	239.917	0.00	0.01	0.008	O	|	|	|	|	0.02
234.833	0.00	0.01	0.011	O	|	|	|	|	0.03	240.000	0.00	0.01	0.008	O	|	|	|	|	0.02
234.917	0.00	0.01	0.011	O	|	|	|	|	0.03	240.083	0.00	0.01	0.008	O	|	|	|	|	0.02
235.000	0.00	0.01	0.011	O	|	|	|	|	0.03	240.167	0.00	0.01	0.008	O	|	|	|	|	0.02
235.083	0.00	0.01	0.011	O	|	|	|	|	0.03	240.250	0.00	0.01	0.008	O	|	|	|	|	0.02
235.167	0.00	0.01	0.011	O	|	|	|	|	0.03	240.333	0.00	0.01	0.008	O	|	|	|	|	0.02
235.250	0.00	0.01	0.011	O	|	|	|	|	0.03	240.417	0.00	0.01	0.008	O	|	|	|	|	0.02
235.333	0.00	0.01	0.011	O	|	|	|	|	0.03	240.500	0.00	0.01	0.008	O	|	|	|	|	0.02
235.417	0.00	0.01	0.011	O	|	|	|	|	0.03	240.583	0.00	0.01	0.008	O	|	|	|	|	0.02
235.500	0.00	0.01	0.011	O	|	|	|	|	0.03	240.667	0.00	0.01	0.008	O	|	|	|	|	0.02
235.583	0.00	0.01	0.011	O	|	|	|	|	0.03	240.750	0.00	0.01	0.008	O	|	|	|	|	0.02
235.667	0.00	0.01	0.010	O	|	|	|	|	0.03	240.833	0.00	0.01	0.008	O	|	|	|	|	0.02
235.750	0.00	0.01	0.010	O	|	|	|	|	0.03	240.917	0.00	0.01	0.008	O	|	|	|	|	0.02
235.833	0.00	0.01	0.010	O	|	|	|	|	0.03	241.000	0.00	0.01	0.008	O	|	|	|	|	0.02
235.917	0.00	0.01	0.010	O	|	|	|	|	0.03	241.083	0.00	0.01	0.008	O	|	|	|	|	0.02
236.000	0.00	0.01	0.010	O	|	|	|	|	0.03	241.167	0.00	0.01	0.008	O	|	|	|	|	0.02
236.083	0.00	0.01	0.010	O	|	|	|	|	0.03	241.250	0.00	0.01	0.008	O	|	|	|	|	0.02
236.167	0.00	0.01	0.010	O	|	|	|	|	0.03	241.333	0.00	0.01	0.008	O	|	|	|	|	0.02
236.250	0.00	0.01	0.010	O	|	|	|	|	0.03	241.417	0.00	0.01	0.008	O	|	|	|	|	0.02
236.333	0.00	0.01	0.010	O	|	|	|	|	0.03	241.500	0.00	0.00	0.008	O	|	|	|	|	0.02
236.417	0.00	0.01	0.010	O	|	|	|	|	0.03	241.583	0.00	0.00	0.008	O	|	|	|	|	0.02
236.500	0.00	0.01	0.010	O	|	|	|	|	0.03	241.667	0.00	0.00	0.008	O	|	|	|	|	0.02
236.583	0.00	0.01	0.010	O	|	|	|	|	0.03	241.750	0.00	0.00	0.008	O	|	|	|	|	0.02
236.667	0.00	0.01	0.010	O	|	|	|	|	0.02	241.833	0.00	0.00	0.007	O	|	|	|	|	0.02
236.750	0.00	0.01	0.010	O	|	|	|	|	0.02	241.917	0.00	0.00	0.007	O	|	|	|	|	0.02
236.833	0.00	0.01	0.010	O	|	|	|	|	0.02	242.000	0.00	0.00	0.007	O	|	|	|	|	0.02
236.917	0.00	0.01	0.010	O	|	|	|	|	0.02	242.083	0.00	0.00	0.007	O	|	|	|	|	0.02
237.000	0.00	0.01	0.010	O	|	|	|	|	0.02	242.167	0.00	0.00	0.007	O	|	|	|	|	0.02
237.083	0.00	0.01	0.010	O	|	|	|	|	0.02	242.250	0.00	0.00	0.007	O	|	|	|	|	0.02
237.167	0.00	0.01	0.010	O	|	|	|	|	0.02	242.333	0.00	0.00	0.007	O	|	|	|	|	0.02

242.417	0.00	0.00	0.007	O	|	|	|	|	0.02	247.583	0.00	0.00	0.005	O	|	|	|	|	0.01
242.500	0.00	0.00	0.007	O	|	|	|	|	0.02	247.667	0.00	0.00	0.005	O	|	|	|	|	0.01
242.583	0.00	0.00	0.007	O	|	|	|	|	0.02	247.750	0.00	0.00	0.005	O	|	|	|	|	0.01
242.667	0.00	0.00	0.007	O	|	|	|	|	0.02	247.833	0.00	0.00	0.005	O	|	|	|	|	0.01
242.750	0.00	0.00	0.007	O	|	|	|	|	0.02	247.917	0.00	0.00	0.005	O	|	|	|	|	0.01
242.833	0.00	0.00	0.007	O	|	|	|	|	0.02	248.000	0.00	0.00	0.005	O	|	|	|	|	0.01
242.917	0.00	0.00	0.007	O	|	|	|	|	0.02	248.083	0.00	0.00	0.005	O	|	|	|	|	0.01
243.000	0.00	0.00	0.007	O	|	|	|	|	0.02	248.167	0.00	0.00	0.005	O	|	|	|	|	0.01
243.083	0.00	0.00	0.007	O	|	|	|	|	0.02	248.250	0.00	0.00	0.005	O	|	|	|	|	0.01
243.167	0.00	0.00	0.007	O	|	|	|	|	0.02	248.333	0.00	0.00	0.005	O	|	|	|	|	0.01
243.250	0.00	0.00	0.007	O	|	|	|	|	0.02	248.417	0.00	0.00	0.005	O	|	|	|	|	0.01
243.333	0.00	0.00	0.007	O	|	|	|	|	0.02	248.500	0.00	0.00	0.005	O	|	|	|	|	0.01
243.417	0.00	0.00	0.007	O	|	|	|	|	0.02	248.583	0.00	0.00	0.005	O	|	|	|	|	0.01
243.500	0.00	0.00	0.007	O	|	|	|	|	0.02	248.667	0.00	0.00	0.005	O	|	|	|	|	0.01
243.583	0.00	0.00	0.007	O	|	|	|	|	0.02	248.750	0.00	0.00	0.005	O	|	|	|	|	0.01
243.667	0.00	0.00	0.007	O	|	|	|	|	0.02	248.833	0.00	0.00	0.005	O	|	|	|	|	0.01
243.750	0.00	0.00	0.007	O	|	|	|	|	0.02	248.917	0.00	0.00	0.005	O	|	|	|	|	0.01
243.833	0.00	0.00	0.007	O	|	|	|	|	0.02	249.000	0.00	0.00	0.005	O	|	|	|	|	0.01
243.917	0.00	0.00	0.007	O	|	|	|	|	0.02	249.083	0.00	0.00	0.005	O	|	|	|	|	0.01
244.000	0.00	0.00	0.007	O	|	|	|	|	0.02	249.167	0.00	0.00	0.005	O	|	|	|	|	0.01
244.083	0.00	0.00	0.007	O	|	|	|	|	0.02	249.250	0.00	0.00	0.005	O	|	|	|	|	0.01
244.167	0.00	0.00	0.007	O	|	|	|	|	0.02	249.333	0.00	0.00	0.005	O	|	|	|	|	0.01
244.250	0.00	0.00	0.007	O	|	|	|	|	0.02	249.417	0.00	0.00	0.005	O	|	|	|	|	0.01
244.333	0.00	0.00	0.007	O	|	|	|	|	0.02	249.500	0.00	0.00	0.005	O	|	|	|	|	0.01
244.417	0.00	0.00	0.007	O	|	|	|	|	0.02	249.583	0.00	0.00	0.005	O	|	|	|	|	0.01
244.500	0.00	0.00	0.006	O	|	|	|	|	0.02	249.667	0.00	0.00	0.005	O	|	|	|	|	0.01
244.583	0.00	0.00	0.006	O	|	|	|	|	0.02	249.750	0.00	0.00	0.005	O	|	|	|	|	0.01
244.667	0.00	0.00	0.006	O	|	|	|	|	0.02	249.833	0.00	0.00	0.005	O	|	|	|	|	0.01
244.750	0.00	0.00	0.006	O	|	|	|	|	0.02	249.917	0.00	0.00	0.005	O	|	|	|	|	0.01
244.833	0.00	0.00	0.006	O	|	|	|	|	0.02	250.000	0.00	0.00	0.005	O	|	|	|	|	0.01
244.917	0.00	0.00	0.006	O	|	|	|	|	0.02	250.083	0.00	0.00	0.005	O	|	|	|	|	0.01
245.000	0.00	0.00	0.006	O	|	|	|	|	0.02	250.167	0.00	0.00	0.005	O	|	|	|	|	0.01
245.083	0.00	0.00	0.006	O	|	|	|	|	0.02	250.250	0.00	0.00	0.005	O	|	|	|	|	0.01
245.167	0.00	0.00	0.006	O	|	|	|	|	0.02	250.333	0.00	0.00	0.005	O	|	|	|	|	0.01
245.250	0.00	0.00	0.006	O	|	|	|	|	0.02	250.417	0.00	0.00	0.005	O	|	|	|	|	0.01
245.333	0.00	0.00	0.006	O	|	|	|	|	0.02	250.500	0.00	0.00	0.005	O	|	|	|	|	0.01
245.417	0.00	0.00	0.006	O	|	|	|	|	0.02	250.583	0.00	0.00	0.005	O	|	|	|	|	0.01
245.500	0.00	0.00	0.006	O	|	|	|	|	0.02	250.667	0.00	0.00	0.005	O	|	|	|	|	0.01
245.583	0.00	0.00	0.006	O	|	|	|	|	0.02	250.750	0.00	0.00	0.005	O	|	|	|	|	0.01
245.667	0.00	0.00	0.006	O	|	|	|	|	0.02	250.833	0.00	0.00	0.005	O	|	|	|	|	0.01
245.750	0.00	0.00	0.006	O	|	|	|	|	0.02	250.917	0.00	0.00	0.005	O	|	|	|	|	0.01
245.833	0.00	0.00	0.006	O	|	|	|	|	0.02	251.000	0.00	0.00	0.005	O	|	|	|	|	0.01
245.917	0.00	0.00	0.006	O	|	|	|	|	0.02	251.083	0.00	0.00	0.005	O	|	|	|	|	0.01
246.000	0.00	0.00	0.006	O	|	|	|	|	0.02	251.167	0.00	0.00	0.005	O	|	|	|	|	0.01
246.083	0.00	0.00	0.006	O	|	|	|	|	0.01	251.250	0.00	0.00	0.004	O	|	|	|	|	0.01
246.167	0.00	0.00	0.006	O	|	|	|	|	0.01	251.333	0.00	0.00	0.004	O	|	|	|	|	0.01
246.250	0.00	0.00	0.006	O	|	|	|	|	0.01	251.417	0.00	0.00	0.004	O	|	|	|	|	0.01
246.333	0.00	0.00	0.006	O	|	|	|	|	0.01	251.500	0.00	0.00	0.004	O	|	|	|	|	0.01
246.417	0.00	0.00	0.006	O	|	|	|	|	0.01	251.583	0.00	0.00	0.004	O	|	|	|	|	0.01
246.500	0.00	0.00	0.006	O	|	|	|	|	0.01	251.667	0.00	0.00	0.004	O	|	|	|	|	0.01
246.583	0.00	0.00	0.006	O	|	|	|	|	0.01	251.750	0.00	0.00	0.004	O	|	|	|	|	0.01
246.667	0.00	0.00	0.006	O	|	|	|	|	0.01	251.833	0.00	0.00	0.004	O	|	|	|	|	0.01
246.750	0.00	0.00	0.006	O	|	|	|	|	0.01	251.917	0.00	0.00	0.004	O	|	|	|	|	0.01
246.833	0.00	0.00	0.006	O	|	|	|	|	0.01	252.000	0.00	0.00	0.004	O	|	|	|	|	0.01
246.917	0.00	0.00	0.006	O	|	|	|	|	0.01	252.083	0.00	0.00	0.004	O	|	|	|	|	0.01
247.000	0.00	0.00	0.006	O	|	|	|	|	0.01	252.167	0.00	0.00	0.004	O	|	|	|	|	0.01
247.083	0.00	0.00	0.006	O	|	|	|	|	0.01	252.250	0.00	0.00	0.004	O	|	|	|	|	0.01
247.167	0.00	0.00	0.006	O	|	|	|	|	0.01	252.333	0.00	0.00	0.004	O	|	|	|	|	0.01
247.250	0.00	0.00	0.006	O	|	|	|	|	0.01	252.417	0.00	0.00	0.004	O	|	|	|	|	0.01
247.333	0.00	0.00	0.006	O	|	|	|	|	0.01	252.500	0.00	0.00	0.004	O	|	|	|	|	0.01
247.417	0.00	0.00	0.006	O	|	|	|	|	0.01	252.583	0.00	0.00	0.004	O	|	|	|	|	0.01
247.500	0.00	0.00	0.006	O	|	|	|	|	0.01	252.667	0.00	0.00	0.004	O	|	|	|	|	0.01

252.750	0.00	0.00	0.004	O	|	|	|	|	0.01	257.917	0.00	0.00	0.003	O	|	|	|	|	0.01
252.833	0.00	0.00	0.004	O	|	|	|	|	0.01	258.000	0.00	0.00	0.003	O	|	|	|	|	0.01
252.917	0.00	0.00	0.004	O	|	|	|	|	0.01	258.083	0.00	0.00	0.003	O	|	|	|	|	0.01
253.000	0.00	0.00	0.004	O	|	|	|	|	0.01	258.167	0.00	0.00	0.003	O	|	|	|	|	0.01
253.083	0.00	0.00	0.004	O	|	|	|	|	0.01	258.250	0.00	0.00	0.003	O	|	|	|	|	0.01
253.167	0.00	0.00	0.004	O	|	|	|	|	0.01	258.333	0.00	0.00	0.003	O	|	|	|	|	0.01
253.250	0.00	0.00	0.004	O	|	|	|	|	0.01	258.417	0.00	0.00	0.003	O	|	|	|	|	0.01
253.333	0.00	0.00	0.004	O	|	|	|	|	0.01	258.500	0.00	0.00	0.003	O	|	|	|	|	0.01
253.417	0.00	0.00	0.004	O	|	|	|	|	0.01	258.583	0.00	0.00	0.003	O	|	|	|	|	0.01
253.500	0.00	0.00	0.004	O	|	|	|	|	0.01	258.667	0.00	0.00	0.003	O	|	|	|	|	0.01
253.583	0.00	0.00	0.004	O	|	|	|	|	0.01	258.750	0.00	0.00	0.003	O	|	|	|	|	0.01
253.667	0.00	0.00	0.004	O	|	|	|	|	0.01	258.833	0.00	0.00	0.003	O	|	|	|	|	0.01
253.750	0.00	0.00	0.004	O	|	|	|	|	0.01	258.917	0.00	0.00	0.003	O	|	|	|	|	0.01
253.833	0.00	0.00	0.004	O	|	|	|	|	0.01	259.000	0.00	0.00	0.003	O	|	|	|	|	0.01
253.917	0.00	0.00	0.004	O	|	|	|	|	0.01	259.083	0.00	0.00	0.003	O	|	|	|	|	0.01
254.000	0.00	0.00	0.004	O	|	|	|	|	0.01	259.167	0.00	0.00	0.003	O	|	|	|	|	0.01
254.083	0.00	0.00	0.004	O	|	|	|	|	0.01	259.250	0.00	0.00	0.003	O	|	|	|	|	0.01
254.167	0.00	0.00	0.004	O	|	|	|	|	0.01	259.333	0.00	0.00	0.003	O	|	|	|	|	0.01
254.250	0.00	0.00	0.004	O	|	|	|	|	0.01	259.417	0.00	0.00	0.003	O	|	|	|	|	0.01
254.333	0.00	0.00	0.004	O	|	|	|	|	0.01	259.500	0.00	0.00	0.003	O	|	|	|	|	0.01
254.417	0.00	0.00	0.004	O	|	|	|	|	0.01	259.583	0.00	0.00	0.003	O	|	|	|	|	0.01
254.500	0.00	0.00	0.004	O	|	|	|	|	0.01	259.667	0.00	0.00	0.003	O	|	|	|	|	0.01
254.583	0.00	0.00	0.004	O	|	|	|	|	0.01	259.750	0.00	0.00	0.003	O	|	|	|	|	0.01
254.667	0.00	0.00	0.004	O	|	|	|	|	0.01	259.833	0.00	0.00	0.003	O	|	|	|	|	0.01
254.750	0.00	0.00	0.004	O	|	|	|	|	0.01	259.917	0.00	0.00	0.003	O	|	|	|	|	0.01
254.833	0.00	0.00	0.004	O	|	|	|	|	0.01	260.000	0.00	0.00	0.003	O	|	|	|	|	0.01
254.917	0.00	0.00	0.004	O	|	|	|	|	0.01	260.083	0.00	0.00	0.003	O	|	|	|	|	0.01
255.000	0.00	0.00	0.004	O	|	|	|	|	0.01	260.167	0.00	0.00	0.003	O	|	|	|	|	0.01
255.083	0.00	0.00	0.004	O	|	|	|	|	0.01	260.250	0.00	0.00	0.003	O	|	|	|	|	0.01
255.167	0.00	0.00	0.004	O	|	|	|	|	0.01	260.333	0.00	0.00	0.003	O	|	|	|	|	0.01
255.250	0.00	0.00	0.004	O	|	|	|	|	0.01	260.417	0.00	0.00	0.003	O	|	|	|	|	0.01
255.333	0.00	0.00	0.004	O	|	|	|	|	0.01	260.500	0.00	0.00	0.003	O	|	|	|	|	0.01
255.417	0.00	0.00	0.004	O	|	|	|	|	0.01	260.583	0.00	0.00	0.003	O	|	|	|	|	0.01
255.500	0.00	0.00	0.004	O	|	|	|	|	0.01	260.667	0.00	0.00	0.003	O	|	|	|	|	0.01
255.583	0.00	0.00	0.004	O	|	|	|	|	0.01	260.750	0.00	0.00	0.003	O	|	|	|	|	0.01
255.667	0.00	0.00	0.004	O	|	|	|	|	0.01	260.833	0.00	0.00	0.003	O	|	|	|	|	0.01
255.750	0.00	0.00	0.004	O	|	|	|	|	0.01	260.917	0.00	0.00	0.003	O	|	|	|	|	0.01
255.833	0.00	0.00	0.004	O	|	|	|	|	0.01	261.000	0.00	0.00	0.003	O	|	|	|	|	0.01
255.917	0.00	0.00	0.003	O	|	|	|	|	0.01	261.083	0.00	0.00	0.003	O	|	|	|	|	0.01
256.000	0.00	0.00	0.003	O	|	|	|	|	0.01	261.167	0.00	0.00	0.003	O	|	|	|	|	0.01
256.083	0.00	0.00	0.003	O	|	|	|	|	0.01	261.250	0.00	0.00	0.003	O	|	|	|	|	0.01
256.167	0.00	0.00	0.003	O	|	|	|	|	0.01	261.333	0.00	0.00	0.003	O	|	|	|	|	0.01
256.250	0.00	0.00	0.003	O	|	|	|	|	0.01	261.417	0.00	0.00	0.003	O	|	|	|	|	0.01
256.333	0.00	0.00	0.003	O	|	|	|	|	0.01	261.500	0.00	0.00	0.003	O	|	|	|	|	0.01
256.417	0.00	0.00	0.003	O	|	|	|	|	0.01	261.583	0.00	0.00	0.003	O	|	|	|	|	0.01
256.500	0.00	0.00	0.003	O	|	|	|	|	0.01	261.667	0.00	0.00	0.003	O	|	|	|	|	0.01
256.583	0.00	0.00	0.003	O	|	|	|	|	0.01	261.750	0.00	0.00	0.003	O	|	|	|	|	0.01
256.667	0.00	0.00	0.003	O	|	|	|	|	0.01	261.833	0.00	0.00	0.003	O	|	|	|	|	0.01
256.750	0.00	0.00	0.003	O	|	|	|	|	0.01	261.917	0.00	0.00	0.003	O	|	|	|	|	0.01
256.833	0.00	0.00	0.003	O	|	|	|	|	0.01	262.000	0.00	0.00	0.003	O	|	|	|	|	0.01
256.917	0.00	0.00	0.003	O	|	|	|	|	0.01	262.083	0.00	0.00	0.003	O	|	|	|	|	0.01
257.000	0.00	0.00	0.003	O	|	|	|	|	0.01	262.167	0.00	0.00	0.002	O	|	|	|	|	0.01
257.083	0.00	0.00	0.003	O	|	|	|	|	0.01	262.250	0.00	0.00	0.002	O	|	|	|	|	0.01
257.167	0.00	0.00	0.003	O	|	|	|	|	0.01	262.333	0.00	0.00	0.002	O	|	|	|	|	0.01
257.250	0.00	0.00	0.003	O	|	|	|	|	0.01	262.417	0.00	0.00	0.002	O	|	|	|	|	0.01
257.333	0.00	0.00	0.003	O	|	|	|	|	0.01	262.500	0.00	0.00	0.002	O	|	|	|	|	0.01
257.417	0.00	0.00	0.003	O	|	|	|	|	0.01	262.583	0.00	0.00	0.002	O	|	|	|	|	0.01
257.500	0.00	0.00	0.003	O	|	|	|	|	0.01	262.667	0.00	0.00	0.002	O	|	|	|	|	0.01
257.583	0.00	0.00	0.003	O	|	|	|	|	0.01	262.750	0.00	0.00	0.002	O	|	|	|	|	0.01
257.667	0.00	0.00	0.003	O	|	|	|	|	0.01	262.833	0.00	0.00	0.002	O	|	|	|	|	0.01
257.750	0.00	0.00	0.003	O	|	|	|	|	0.01	262.917	0.00	0.00	0.002	O	|	|	|	|	0.01
257.833	0.00	0.00	0.003	O	|	|	|	|	0.01	263.000	0.00	0.00	0.002	O	|	|	|	|	0.01

263.083	0.00	0.00	0.002	O	|	|	|	|	0.01
263.167	0.00	0.00	0.002	O	|	|	|	|	0.01
263.250	0.00	0.00	0.002	O	|	|	|	|	0.01
263.333	0.00	0.00	0.002	O	|	|	|	|	0.01
263.417	0.00	0.00	0.002	O	|	|	|	|	0.01
263.500	0.00	0.00	0.002	O	|	|	|	|	0.01
263.583	0.00	0.00	0.002	O	|	|	|	|	0.01
263.667	0.00	0.00	0.002	O	|	|	|	|	0.01
263.750	0.00	0.00	0.002	O	|	|	|	|	0.01
263.833	0.00	0.00	0.002	O	|	|	|	|	0.01
263.917	0.00	0.00	0.002	O	|	|	|	|	0.01
264.000	0.00	0.00	0.002	O	|	|	|	|	0.01
264.083	0.00	0.00	0.002	O	|	|	|	|	0.01
264.167	0.00	0.00	0.002	O	|	|	|	|	0.01
264.250	0.00	0.00	0.002	O	|	|	|	|	0.01
264.333	0.00	0.00	0.002	O	|	|	|	|	0.01
264.417	0.00	0.00	0.002	O	|	|	|	|	0.01
264.500	0.00	0.00	0.002	O	|	|	|	|	0.01
264.583	0.00	0.00	0.002	O	|	|	|	|	0.01
264.667	0.00	0.00	0.002	O	|	|	|	|	0.01
264.750	0.00	0.00	0.002	O	|	|	|	|	0.01
264.833	0.00	0.00	0.002	O	|	|	|	|	0.01
264.917	0.00	0.00	0.002	O	|	|	|	|	0.01
265.000	0.00	0.00	0.002	O	|	|	|	|	0.01
265.083	0.00	0.00	0.002	O	|	|	|	|	0.01
265.167	0.00	0.00	0.002	O	|	|	|	|	0.01
265.250	0.00	0.00	0.002	O	|	|	|	|	0.01
265.333	0.00	0.00	0.002	O	|	|	|	|	0.01
265.417	0.00	0.00	0.002	O	|	|	|	|	0.01
265.500	0.00	0.00	0.002	O	|	|	|	|	0.01
265.583	0.00	0.00	0.002	O	|	|	|	|	0.01
265.667	0.00	0.00	0.002	O	|	|	|	|	0.01
265.750	0.00	0.00	0.002	O	|	|	|	|	0.01
265.833	0.00	0.00	0.002	O	|	|	|	|	0.01
265.917	0.00	0.00	0.002	O	|	|	|	|	0.01
266.000	0.00	0.00	0.002	O	|	|	|	|	0.01
266.083	0.00	0.00	0.002	O	|	|	|	|	0.01
266.167	0.00	0.00	0.002	O	|	|	|	|	0.01
266.250	0.00	0.00	0.002	O	|	|	|	|	0.01
266.333	0.00	0.00	0.002	O	|	|	|	|	0.01
266.417	0.00	0.00	0.002	O	|	|	|	|	0.00
266.500	0.00	0.00	0.002	O	|	|	|	|	0.00
266.583	0.00	0.00	0.002	O	|	|	|	|	0.00
266.667	0.00	0.00	0.002	O	|	|	|	|	0.00
266.750	0.00	0.00	0.002	O	|	|	|	|	0.00
266.833	0.00	0.00	0.002	O	|	|	|	|	0.00
266.917	0.00	0.00	0.002	O	|	|	|	|	0.00
267.000	0.00	0.00	0.002	O	|	|	|	|	0.00
267.083	0.00	0.00	0.002	O	|	|	|	|	0.00
267.167	0.00	0.00	0.002	O	|	|	|	|	0.00
267.250	0.00	0.00	0.002	O	|	|	|	|	0.00
267.333	0.00	0.00	0.002	O	|	|	|	|	0.00
267.417	0.00	0.00	0.002	O	|	|	|	|	0.00
267.500	0.00	0.00	0.002	O	|	|	|	|	0.00
267.583	0.00	0.00	0.002	O	|	|	|	|	0.00
267.667	0.00	0.00	0.002	O	|	|	|	|	0.00
267.750	0.00	0.00	0.002	O	|	|	|	|	0.00
267.833	0.00	0.00	0.002	O	|	|	|	|	0.00
267.917	0.00	0.00	0.002	O	|	|	|	|	0.00
268.000	0.00	0.00	0.002	O	|	|	|	|	0.00
268.083	0.00	0.00	0.002	O	|	|	|	|	0.00
268.167	0.00	0.00	0.002	O	|	|	|	|	0.00
268.250	0.00	0.00	0.002	O	|	|	|	|	0.00
268.333	0.00	0.00	0.002	O	|	|	|	|	0.00
268.417	0.00	0.00	0.002	O	|	|	|	|	0.00
268.500	0.00	0.00	0.002	O	|	|	|	|	0.00
268.583	0.00	0.00	0.002	O	|	|	|	|	0.00
268.667	0.00	0.00	0.002	O	|	|	|	|	0.00
268.750	0.00	0.00	0.002	O	|	|	|	|	0.00
268.833	0.00	0.00	0.002	O	|	|	|	|	0.00
268.917	0.00	0.00	0.002	O	|	|	|	|	0.00
269.000	0.00	0.00	0.002	O	|	|	|	|	0.00
269.083	0.00	0.00	0.002	O	|	|	|	|	0.00
269.167	0.00	0.00	0.002	O	|	|	|	|	0.00
269.250	0.00	0.00	0.002	O	|	|	|	|	0.00
269.333	0.00	0.00	0.002	O	|	|	|	|	0.00
269.417	0.00	0.00	0.002	O	|	|	|	|	0.00
269.500	0.00	0.00	0.002	O	|	|	|	|	0.00
269.583	0.00	0.00	0.002	O	|	|	|	|	0.00
269.667	0.00	0.00	0.002	O	|	|	|	|	0.00
269.750	0.00	0.00	0.002	O	|	|	|	|	0.00
269.833	0.00	0.00	0.002	O	|	|	|	|	0.00
269.917	0.00	0.00	0.002	O	|	|	|	|	0.00
270.000	0.00	0.00	0.002	O	|	|	|	|	0.00
270.083	0.00	0.00	0.002	O	|	|	|	|	0.00
270.167	0.00	0.00	0.002	O	|	|	|	|	0.00
270.250	0.00	0.00	0.002	O	|	|	|	|	0.00
270.333	0.00	0.00	0.002	O	|	|	|	|	0.00
270.417	0.00	0.00	0.002	O	|	|	|	|	0.00
270.500	0.00	0.00	0.002	O	|	|	|	|	0.00
270.583	0.00	0.00	0.002	O	|	|	|	|	0.00
270.667	0.00	0.00	0.002	O	|	|	|	|	0.00
270.750	0.00	0.00	0.002	O	|	|	|	|	0.00
270.833	0.00	0.00	0.002	O	|	|	|	|	0.00
270.917	0.00	0.00	0.002	O	|	|	|	|	0.00
271.000	0.00	0.00	0.002	O	|	|	|	|	0.00
271.083	0.00	0.00	0.002	O	|	|	|	|	0.00
271.167	0.00	0.00	0.002	O	|	|	|	|	0.00
271.250	0.00	0.00	0.002	O	|	|	|	|	0.00

```
Remaining water in basin =    0.00 (Ac.Ft)


****************************HYDROGRAPH DATA****************************
                Number of intervals =  3255
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        0.888 (CFS)
                Total volume =       9.147 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      9.277     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      2.638     0.000     0.000     0.000     0.000
**********************************************************************

----------------------------------------------------------------------


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.400 to Point/Station        9.200
**** STREAM ROUTING SCS CONVEX METHOD ****
______________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    379.00 (Ft.)
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      Elevation difference =    8.00 (Ft.)
      Slope of channel =  0.021108 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =   379.00(Ft.)   Elevation difference =   8.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =     0.699(CFS)
      Given pipe size =     36.00(In.)
      Calculated individual pipe flow  =     0.699(CFS)
      Normal flow depth in pipe =    2.18(In.)
      Flow top width inside pipe =   17.17(In.)
      Critical Depth =    0.26(Ft.)
      Pipe flow velocity =      3.99(Ft/s)
      Travel time through pipe =    1.58 min.


      Pipe length  =   379.00(Ft.)   Elevation difference =   8.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =     0.888(CFS)
      Given pipe size =     36.00(In.)
      Calculated individual pipe flow  =     0.888(CFS)
      Normal flow depth in pipe =    2.44(In.)
      Flow top width inside pipe =   18.09(In.)
      Critical depth could not be calculated.
      Pipe flow velocity =      4.29(Ft/s)
      Travel time through pipe =    1.47 min.


      ********************** SCS CONVEX CHANNEL ROUTING *********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.7160   Travel time =   1.47 (min.)
               dt*(unit time interval) =   5.00(min.),  e=   3.4923
               dt(routing time-step) =   1.06 (min.),   c* =   0.9877

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       P R I N T  O F  S T O R M
                    R u n o f f      H y d r o g r a p h
      ----------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

      ----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        0.2       0.4       0.7       0.9
----------------------------------------------------------------------
  0+ 5       0.0056      0.01  O         |         |         |         |
  0+10       0.0338      0.04  |O        |         |         |         |
  0+15       0.0867      0.10  |  OI     |         |         |         |
  0+20       0.1490      0.16  |     OI  |         |         |         |
  0+25       0.2181      0.23  |        OI         |         |         |
  0+30       0.2693      0.28  |         | O       |         |         |
  0+35       0.3042      0.31  |         |  OI     |         |         |
  0+40       0.3366      0.34  |         |    O    |         |         |
  0+45       0.3674      0.37  |         |     O   |         |         |
  0+50       0.3899      0.39  |         |      O  |         |         |
  0+55       0.4093      0.41  |         |       O |         |         |
  1+ 0       0.4280      0.43  |         |        O|         |         |
  1+ 5       0.4478      0.45  |         |         O         |         |
  1+10       0.4703      0.48  |         |         |O        |         |
  1+15       0.4952      0.50  |         |         | O       |         |
  1+20       0.5208      0.53  |         |         |  O      |         |
  1+25       0.5417      0.55  |         |         |   O     |         |
  1+30       0.5618      0.57  |         |         |    O    |         |
  1+35       0.5836      0.59  |         |         |     O   |         |
  1+40       0.6039      0.61  |         |         |      O  |         |
  1+45       0.6221      0.63  |         |         |       O |         |
  1+50       0.6414      0.65  |         |         |       OI|         |
  1+55       0.6608      0.67  |         |         |        O|         |
  2+ 0       0.6769      0.68  |         |         |         O         |
  2+ 5       0.6920      0.70  |         |         |         |O        |
  2+10       0.7076      0.71  |         |         |         |OI       |
  2+15       0.7244      0.73  |         |         |         | O       |
  2+20       0.7436      0.75  |         |         |         |  O      |
  2+25       0.7622      0.77  |         |         |         |   O     |
  2+30       0.7804      0.78  |         |         |         |    O    |
  2+35       0.8031      0.81  |         |         |         |     O   |
  2+40       0.8307      0.84  |         |         |         |      O  |
  2+45       0.8542      0.86  |         |         |         |       O |
  2+50       0.8685      0.87  |         |         |         |        O|
  2+55       0.8766      0.88  |         |         |         |        O|
  3+ 0       0.8821      0.88  |         |         |         |        O|
  3+ 5       0.8856      0.89  |         |         |         |        O|
  3+10       0.8872      0.89  |         |         |         |        O|
  3+15       0.8876      0.89  |         |         |         |        OI
  3+20       0.8876      0.89  |         |         |         |        O|
  3+25       0.8874      0.89  |         |         |         |        O|
  3+30       0.8873      0.89  |         |         |         |        O|
  3+35       0.8871      0.89  |         |         |         |        O|
  3+40       0.8869      0.89  |         |         |         |        O|
  3+45       0.8867      0.89  |         |         |         |        O|
  3+50       0.8865      0.89  |         |         |         |        O|
  3+55       0.8864      0.89  |         |         |         |        O|
  4+ 0       0.8862      0.89  |         |         |         |        O|
  4+ 5       0.8860      0.89  |         |         |         |        O|
  4+10       0.8858      0.89  |         |         |         |        O|
  4+15       0.8856      0.89  |         |         |         |        O|
  4+20       0.8854      0.89  |         |         |         |        O|
  4+25       0.8852      0.89  |         |         |         |        O|
  4+30       0.8851      0.89  |         |         |         |        O|
  4+35       0.8849      0.88  |         |         |         |        O|
  4+40       0.8847      0.88  |         |         |         |        O|
  4+45       0.8845      0.88  |         |         |         |        O|
  4+50       0.8843      0.88  |         |         |         |        O|
  4+55       0.8841      0.88  |         |         |         |        O|
  5+ 0       0.8839      0.88  |         |         |         |        O|
  5+ 5       0.8838      0.88  |         |         |         |        O|
  5+10       0.8836      0.88  |         |         |         |        O|
  5+15       0.8834      0.88  |         |         |         |        O|
  5+20       0.8832      0.88  |         |         |         |        O|
  5+25       0.8830      0.88  |         |         |         |        O|
  5+30       0.8828      0.88  |         |         |         |        O|
  5+35       0.8827      0.88  |         |         |         |        O|
  5+40       0.8825      0.88  |         |         |         |        O|
  5+45       0.8823      0.88  |         |         |         |        O|
  5+50       0.8821      0.88  |         |         |         |        O|
  5+55       0.8819      0.88  |         |         |         |        O|
  6+ 0       0.8817      0.88  |         |         |         |        O|
```

6+ 5	0.8815	0.88	|	|	|	|	O|	11+15	0.8702	0.87	|	|	|	|	O|
6+10	0.8814	0.88	|	|	|	|	O|	11+20	0.8700	0.87	|	|	|	|	O|
6+15	0.8812	0.88	|	|	|	|	O|	11+25	0.8698	0.87	|	|	|	|	O|
6+20	0.8810	0.88	|	|	|	|	O|	11+30	0.8697	0.87	|	|	|	|	O|
6+25	0.8808	0.88	|	|	|	|	O|	11+35	0.8695	0.87	|	|	|	|	O|
6+30	0.8806	0.88	|	|	|	|	O|	11+40	0.8693	0.87	|	|	|	|	O|
6+35	0.8804	0.88	|	|	|	|	O|	11+45	0.8691	0.87	|	|	|	|	O|
6+40	0.8803	0.88	|	|	|	|	O|	11+50	0.8689	0.87	|	|	|	|	O|
6+45	0.8801	0.88	|	|	|	|	O|	11+55	0.8687	0.87	|	|	|	|	O|
6+50	0.8799	0.88	|	|	|	|	O|	12+ 0	0.8686	0.87	|	|	|	|	O|
6+55	0.8797	0.88	|	|	|	|	O|	12+ 5	0.8684	0.87	|	|	|	|	O|
7+ 0	0.8795	0.88	|	|	|	|	O|	12+10	0.8682	0.87	|	|	|	|	O|
7+ 5	0.8793	0.88	|	|	|	|	O|	12+15	0.8680	0.87	|	|	|	|	O|
7+10	0.8792	0.88	|	|	|	|	O|	12+20	0.8678	0.87	|	|	|	|	O|
7+15	0.8790	0.88	|	|	|	|	O|	12+25	0.8677	0.87	|	|	|	|	O|
7+20	0.8788	0.88	|	|	|	|	O|	12+30	0.8675	0.87	|	|	|	|	O|
7+25	0.8786	0.88	|	|	|	|	O|	12+35	0.8673	0.87	|	|	|	|	O|
7+30	0.8784	0.88	|	|	|	|	O|	12+40	0.8671	0.87	|	|	|	|	O|
7+35	0.8782	0.88	|	|	|	|	O|	12+45	0.8669	0.87	|	|	|	|	O|
7+40	0.8781	0.88	|	|	|	|	O|	12+50	0.8667	0.87	|	|	|	|	O|
7+45	0.8779	0.88	|	|	|	|	O|	12+55	0.8666	0.87	|	|	|	|	O|
7+50	0.8777	0.88	|	|	|	|	O|	13+ 0	0.8664	0.87	|	|	|	|	O|
7+55	0.8775	0.88	|	|	|	|	O|	13+ 5	0.8662	0.87	|	|	|	|	O|
8+ 0	0.8773	0.88	|	|	|	|	O|	13+10	0.8660	0.87	|	|	|	|	O|
8+ 5	0.8771	0.88	|	|	|	|	O|	13+15	0.8658	0.87	|	|	|	|	O|
8+10	0.8770	0.88	|	|	|	|	O|	13+20	0.8657	0.87	|	|	|	|	O|
8+15	0.8768	0.88	|	|	|	|	O|	13+25	0.8655	0.87	|	|	|	|	O|
8+20	0.8766	0.88	|	|	|	|	O|	13+30	0.8653	0.87	|	|	|	|	O |
8+25	0.8764	0.88	|	|	|	|	O|	13+35	0.8651	0.87	|	|	|	|	O |
8+30	0.8762	0.88	|	|	|	|	O|	13+40	0.8649	0.86	|	|	|	|	O |
8+35	0.8760	0.88	|	|	|	|	O|	13+45	0.8648	0.86	|	|	|	|	O |
8+40	0.8759	0.88	|	|	|	|	O|	13+50	0.8646	0.86	|	|	|	|	O |
8+45	0.8757	0.88	|	|	|	|	O|	13+55	0.8644	0.86	|	|	|	|	O |
8+50	0.8755	0.88	|	|	|	|	O|	14+ 0	0.8642	0.86	|	|	|	|	O |
8+55	0.8753	0.88	|	|	|	|	O|	14+ 5	0.8640	0.86	|	|	|	|	O |
9+ 0	0.8751	0.88	|	|	|	|	O|	14+10	0.8639	0.86	|	|	|	|	O |
9+ 5	0.8749	0.87	|	|	|	|	O|	14+15	0.8637	0.86	|	|	|	|	O |
9+10	0.8748	0.87	|	|	|	|	O|	14+20	0.8635	0.86	|	|	|	|	O |
9+15	0.8746	0.87	|	|	|	|	O|	14+25	0.8633	0.86	|	|	|	|	O |
9+20	0.8744	0.87	|	|	|	|	O|	14+30	0.8631	0.86	|	|	|	|	O |
9+25	0.8742	0.87	|	|	|	|	O|	14+35	0.8630	0.86	|	|	|	|	O |
9+30	0.8740	0.87	|	|	|	|	O|	14+40	0.8628	0.86	|	|	|	|	O |
9+35	0.8738	0.87	|	|	|	|	O|	14+45	0.8626	0.86	|	|	|	|	O |
9+40	0.8737	0.87	|	|	|	|	O|	14+50	0.8624	0.86	|	|	|	|	O |
9+45	0.8735	0.87	|	|	|	|	O|	14+55	0.8622	0.86	|	|	|	|	O |
9+50	0.8733	0.87	|	|	|	|	O|	15+ 0	0.8621	0.86	|	|	|	|	O |
9+55	0.8731	0.87	|	|	|	|	O|	15+ 5	0.8619	0.86	|	|	|	|	O |
10+ 0	0.8729	0.87	|	|	|	|	O|	15+10	0.8617	0.86	|	|	|	|	O |
10+ 5	0.8727	0.87	|	|	|	|	O|	15+15	0.8615	0.86	|	|	|	|	O |
10+10	0.8726	0.87	|	|	|	|	O|	15+20	0.8613	0.86	|	|	|	|	O |
10+15	0.8724	0.87	|	|	|	|	O|	15+25	0.8612	0.86	|	|	|	|	O |
10+20	0.8722	0.87	|	|	|	|	O|	15+30	0.8610	0.86	|	|	|	|	O |
10+25	0.8720	0.87	|	|	|	|	O|	15+35	0.8608	0.86	|	|	|	|	O |
10+30	0.8718	0.87	|	|	|	|	O|	15+40	0.8606	0.86	|	|	|	|	O |
10+35	0.8717	0.87	|	|	|	|	O|	15+45	0.8604	0.86	|	|	|	|	O |
10+40	0.8715	0.87	|	|	|	|	O|	15+50	0.8603	0.86	|	|	|	|	O |
10+45	0.8713	0.87	|	|	|	|	O|	15+55	0.8601	0.86	|	|	|	|	O |
10+50	0.8711	0.87	|	|	|	|	O|	16+ 0	0.8599	0.86	|	|	|	|	O |
10+55	0.8709	0.87	|	|	|	|	O|	16+ 5	0.8597	0.86	|	|	|	|	O |
11+ 0	0.8707	0.87	|	|	|	|	O|	16+10	0.8595	0.86	|	|	|	|	O |
11+ 5	0.8706	0.87	|	|	|	|	O|	16+15	0.8594	0.86	|	|	|	|	O |
11+10	0.8704	0.87	|	|	|	|	O|	16+20	0.8592	0.86	|	|	|	|	O |

16+25	0.8590	0.86					0		21+35	0.8472	0.85						0	
16+30	0.8588	0.86					0		21+40	0.8469	0.85						0	
16+35	0.8586	0.86					0		21+45	0.8467	0.85						0	
16+40	0.8585	0.86					0		21+50	0.8465	0.85						0	
16+45	0.8583	0.86					0		21+55	0.8462	0.85						0	
16+50	0.8581	0.86					0		22+ 0	0.8460	0.85						0	
16+55	0.8579	0.86					0		22+ 5	0.8457	0.85						0	
17+ 0	0.8577	0.86					0		22+10	0.8455	0.85						0	
17+ 5	0.8576	0.86					0		22+15	0.8452	0.85						0	
17+10	0.8574	0.86					0		22+20	0.8450	0.84						0	
17+15	0.8572	0.86					0		22+25	0.8448	0.84						0	
17+20	0.8570	0.86					0		22+30	0.8445	0.84						0	
17+25	0.8568	0.86					0		22+35	0.8443	0.84						0	
17+30	0.8567	0.86					0		22+40	0.8440	0.84						0	
17+35	0.8565	0.86					0		22+45	0.8438	0.84						0	
17+40	0.8563	0.86					0		22+50	0.8436	0.84						0	
17+45	0.8561	0.86					0		22+55	0.8433	0.84						0	
17+50	0.8559	0.86					0		23+ 0	0.8431	0.84						0	
17+55	0.8558	0.86					0		23+ 5	0.8428	0.84						0	
18+ 0	0.8556	0.86					0		23+10	0.8426	0.84						0	
18+ 5	0.8554	0.86					0		23+15	0.8424	0.84						0	
18+10	0.8552	0.86					0		23+20	0.8421	0.84						0	
18+15	0.8551	0.86					0		23+25	0.8419	0.84						0	
18+20	0.8549	0.85					0		23+30	0.8416	0.84						0	
18+25	0.8547	0.85					0		23+35	0.8414	0.84						0	
18+30	0.8545	0.85					0		23+40	0.8412	0.84						0	
18+35	0.8543	0.85					0		23+45	0.8409	0.84						0	
18+40	0.8542	0.85					0		23+50	0.8407	0.84						0	
18+45	0.8540	0.85					0		23+55	0.8404	0.84						0	
18+50	0.8538	0.85					0		24+ 0	0.8402	0.84						0	
18+55	0.8536	0.85					0		24+ 5	0.8400	0.84						0	
19+ 0	0.8534	0.85					0		24+10	0.8397	0.84						0	
19+ 5	0.8533	0.85					0		24+15	0.8395	0.84						0	
19+10	0.8531	0.85					0		24+20	0.8392	0.84						0	
19+15	0.8529	0.85					0		24+25	0.8390	0.84						0	
19+20	0.8527	0.85					0		24+30	0.8388	0.84						0	
19+25	0.8526	0.85					0		24+35	0.8385	0.84						0	
19+30	0.8524	0.85					0		24+40	0.8383	0.84						0	
19+35	0.8522	0.85					0		24+45	0.8380	0.84						0	
19+40	0.8520	0.85					0		24+50	0.8378	0.84						0	
19+45	0.8518	0.85					0		24+55	0.8376	0.84						0	
19+50	0.8517	0.85					0		25+ 0	0.8373	0.84						0	
19+55	0.8515	0.85					0		25+ 5	0.8371	0.84						0	
20+ 0	0.8513	0.85					0		25+10	0.8368	0.84						0	
20+ 5	0.8511	0.85					0		25+15	0.8366	0.84						0	
20+10	0.8510	0.85					0		25+20	0.8364	0.84						0	
20+15	0.8508	0.85					0		25+25	0.8361	0.84						0	
20+20	0.8506	0.85					0		25+30	0.8359	0.84						0	
20+25	0.8504	0.85					0		25+35	0.8356	0.84						0	
20+30	0.8502	0.85					0		25+40	0.8354	0.84						0	
20+35	0.8501	0.85					0		25+45	0.8352	0.84						0	
20+40	0.8498	0.85					0		25+50	0.8349	0.83						0	
20+45	0.8496	0.85					0		25+55	0.8347	0.83						0	
20+50	0.8494	0.85					0		26+ 0	0.8345	0.83						0	
20+55	0.8491	0.85					0		26+ 5	0.8342	0.83						0	
21+ 0	0.8489	0.85					0		26+10	0.8340	0.83						0	
21+ 5	0.8486	0.85					0		26+15	0.8337	0.83						0	
21+10	0.8484	0.85					0		26+20	0.8335	0.83						0	
21+15	0.8481	0.85					0		26+25	0.8333	0.83						0	
21+20	0.8479	0.85					0		26+30	0.8330	0.83						0	
21+25	0.8477	0.85					0		26+35	0.8328	0.83						0	
21+30	0.8474	0.85					0		26+40	0.8326	0.83						0	

26+45	0.8323	0.83					0		31+55	0.8177	0.82						0	
26+50	0.8321	0.83					0		32+ 0	0.8175	0.82						0	
26+55	0.8318	0.83					0		32+ 5	0.8172	0.82						0	
27+ 0	0.8316	0.83					0		32+10	0.8170	0.82						0	
27+ 5	0.8314	0.83					0		32+15	0.8168	0.82						0	
27+10	0.8311	0.83					0		32+20	0.8165	0.82						0	
27+15	0.8309	0.83					0		32+25	0.8163	0.82						0	
27+20	0.8307	0.83					0		32+30	0.8161	0.82						0	
27+25	0.8304	0.83					0		32+35	0.8158	0.82						0	
27+30	0.8302	0.83					0		32+40	0.8156	0.82						0	
27+35	0.8299	0.83					0		32+45	0.8154	0.82						0	
27+40	0.8297	0.83					0		32+50	0.8151	0.82						0	
27+45	0.8295	0.83					0		32+55	0.8149	0.81						0	
27+50	0.8292	0.83					0		33+ 0	0.8147	0.81						0	
27+55	0.8290	0.83					0		33+ 5	0.8144	0.81						0	
28+ 0	0.8288	0.83					0		33+10	0.8142	0.81						0	
28+ 5	0.8285	0.83					0		33+15	0.8140	0.81						0	
28+10	0.8283	0.83					0		33+20	0.8137	0.81						0	
28+15	0.8280	0.83					0		33+25	0.8135	0.81						0	
28+20	0.8278	0.83					0		33+30	0.8133	0.81						0	
28+25	0.8276	0.83					0		33+35	0.8131	0.81						0	
28+30	0.8273	0.83					0		33+40	0.8128	0.81						0	
28+35	0.8271	0.83					0		33+45	0.8126	0.81						0	
28+40	0.8269	0.83					0		33+50	0.8124	0.81						0	
28+45	0.8266	0.83					0		33+55	0.8121	0.81						0	
28+50	0.8264	0.83					0		34+ 0	0.8119	0.81						0	
28+55	0.8262	0.83					0		34+ 5	0.8117	0.81						0	
29+ 0	0.8259	0.83					0		34+10	0.8114	0.81						0	
29+ 5	0.8257	0.83					0		34+15	0.8112	0.81						0	
29+10	0.8254	0.83					0		34+20	0.8110	0.81						0	
29+15	0.8252	0.83					0		34+25	0.8107	0.81						0	
29+20	0.8250	0.82					0		34+30	0.8105	0.81						0	
29+25	0.8247	0.82					0		34+35	0.8103	0.81						0	
29+30	0.8245	0.82					0		34+40	0.8100	0.81						0	
29+35	0.8243	0.82					0		34+45	0.8098	0.81						0	
29+40	0.8240	0.82					0		34+50	0.8096	0.81						0	
29+45	0.8238	0.82					0		34+55	0.8093	0.81						0	
29+50	0.8236	0.82					0		35+ 0	0.8091	0.81						0	
29+55	0.8233	0.82					0		35+ 5	0.8089	0.81						0	
30+ 0	0.8231	0.82					0		35+10	0.8087	0.81						0	
30+ 5	0.8229	0.82					0		35+15	0.8084	0.81						0	
30+10	0.8226	0.82					0		35+20	0.8082	0.81						0	
30+15	0.8224	0.82					0		35+25	0.8080	0.81						0	
30+20	0.8222	0.82					0		35+30	0.8077	0.81						0	
30+25	0.8219	0.82					0		35+35	0.8075	0.81						0	
30+30	0.8217	0.82					0		35+40	0.8073	0.81						0	
30+35	0.8215	0.82					0		35+45	0.8070	0.81						0	
30+40	0.8212	0.82					0		35+50	0.8068	0.81						0	
30+45	0.8210	0.82					0		35+55	0.8066	0.81						0	
30+50	0.8207	0.82					0		36+ 0	0.8063	0.81						0	
30+55	0.8205	0.82					0		36+ 5	0.8061	0.81						0	
31+ 0	0.8203	0.82					0		36+10	0.8059	0.81						0	
31+ 5	0.8200	0.82					0		36+15	0.8057	0.81						0	
31+10	0.8198	0.82					0		36+20	0.8054	0.81						0	
31+15	0.8196	0.82					0		36+25	0.8052	0.81						0	
31+20	0.8193	0.82					0		36+30	0.8050	0.80						0	
31+25	0.8191	0.82					0		36+35	0.8047	0.80						0	
31+30	0.8189	0.82					0		36+40	0.8045	0.80						0	
31+35	0.8186	0.82					0		36+45	0.8043	0.80						0	
31+40	0.8184	0.82					0		36+50	0.8040	0.80						0	
31+45	0.8182	0.82					0		36+55	0.8038	0.80						0	
31+50	0.8179	0.82					0		37+ 0	0.8036	0.80						0	

37+ 5	0.8034	0.80					0		42+15	0.7906	0.79					0	
37+10	0.8031	0.80					0		42+20	0.7904	0.79					0	
37+15	0.8029	0.80					0		42+25	0.7902	0.79					0	
37+20	0.8027	0.80					0		42+30	0.7900	0.79					0	
37+25	0.8024	0.80					0		42+35	0.7898	0.79					0	
37+30	0.8022	0.80					0		42+40	0.7896	0.79					0	
37+35	0.8020	0.80					0		42+45	0.7894	0.79					0	
37+40	0.8018	0.80					0		42+50	0.7892	0.79					0	
37+45	0.8015	0.80					0		42+55	0.7890	0.79					0	
37+50	0.8013	0.80					0		43+ 0	0.7888	0.79					0	
37+55	0.8011	0.80					0		43+ 5	0.7886	0.79					0	
38+ 0	0.8008	0.80					0		43+10	0.7884	0.79					0	
38+ 5	0.8006	0.80					0		43+15	0.7882	0.79					0	
38+10	0.8004	0.80					0		43+20	0.7880	0.79					0	
38+15	0.8002	0.80					0		43+25	0.7878	0.79					0	
38+20	0.7999	0.80					0		43+30	0.7876	0.79					0	
38+25	0.7997	0.80					0		43+35	0.7874	0.79					0	
38+30	0.7995	0.80					0		43+40	0.7872	0.79					0	
38+35	0.7993	0.80					0		43+45	0.7870	0.79					0	
38+40	0.7991	0.80					0		43+50	0.7868	0.79					0	
38+45	0.7989	0.80					0		43+55	0.7866	0.79					0	
38+50	0.7987	0.80					0		44+ 0	0.7864	0.79					0	
38+55	0.7985	0.80					0		44+ 5	0.7862	0.79					0	
39+ 0	0.7983	0.80					0		44+10	0.7860	0.79					0	
39+ 5	0.7981	0.80					0		44+15	0.7858	0.79					0	
39+10	0.7979	0.80					0		44+20	0.7856	0.79					0	
39+15	0.7977	0.80					0		44+25	0.7854	0.79					0	
39+20	0.7975	0.80					0		44+30	0.7852	0.79					0	
39+25	0.7973	0.80					0		44+35	0.7850	0.78					0	
39+30	0.7971	0.80					0		44+40	0.7848	0.78					0	
39+35	0.7969	0.80					0		44+45	0.7846	0.78					0	
39+40	0.7967	0.80					0		44+50	0.7844	0.78					0	
39+45	0.7965	0.80					0		44+55	0.7843	0.78					0	
39+50	0.7963	0.80					0		45+ 0	0.7841	0.78					0	
39+55	0.7961	0.80					0		45+ 5	0.7839	0.78					0	
40+ 0	0.7959	0.80					0		45+10	0.7837	0.78					0	
40+ 5	0.7957	0.80					0		45+15	0.7835	0.78					0	
40+10	0.7955	0.80					0		45+20	0.7833	0.78					0	
40+15	0.7953	0.80					0		45+25	0.7831	0.78					0	
40+20	0.7951	0.80					0		45+30	0.7829	0.78					0	
40+25	0.7949	0.79					0		45+35	0.7827	0.78					0	
40+30	0.7947	0.79					0		45+40	0.7825	0.78					0	
40+35	0.7945	0.79					0		45+45	0.7823	0.78					0	
40+40	0.7943	0.79					0		45+50	0.7821	0.78					0	
40+45	0.7941	0.79					0		45+55	0.7819	0.78					0	
40+50	0.7939	0.79					0		46+ 0	0.7817	0.78					0	
40+55	0.7937	0.79					0		46+ 5	0.7815	0.78					0	
41+ 0	0.7935	0.79					0		46+10	0.7813	0.78					0	
41+ 5	0.7933	0.79					0		46+15	0.7811	0.78					0	
41+10	0.7931	0.79					0		46+20	0.7809	0.78					0	
41+15	0.7929	0.79					0		46+25	0.7807	0.78					0	
41+20	0.7927	0.79					0		46+30	0.7805	0.78					0	
41+25	0.7926	0.79					0		46+35	0.7803	0.78					0	
41+30	0.7924	0.79					0		46+40	0.7801	0.78					0	
41+35	0.7922	0.79					0		46+45	0.7799	0.78					0	
41+40	0.7920	0.79					0		46+50	0.7797	0.78					0	
41+45	0.7918	0.79					0		46+55	0.7795	0.78					0	
41+50	0.7916	0.79					0		47+ 0	0.7794	0.78					0	
41+55	0.7914	0.79					0		47+ 5	0.7792	0.78					0	
42+ 0	0.7912	0.79					0		47+10	0.7790	0.78					0	
42+ 5	0.7910	0.79					0		47+15	0.7788	0.78					0	
42+10	0.7908	0.79					0		47+20	0.7786	0.78					0	

47+25	0.7784	0.78					0		52+35	0.7664	0.77						0	
47+30	0.7782	0.78					0		52+40	0.7662	0.77						0	
47+35	0.7780	0.78					0		52+45	0.7660	0.77						0	
47+40	0.7778	0.78					0		52+50	0.7658	0.77						0	
47+45	0.7776	0.78					0		52+55	0.7656	0.77						0	
47+50	0.7774	0.78					0		53+ 0	0.7654	0.77						0	
47+55	0.7772	0.78					0		53+ 5	0.7652	0.77						0	
48+ 0	0.7770	0.78					0		53+10	0.7650	0.76						0	
48+ 5	0.7768	0.78					0		53+15	0.7648	0.76						0	
48+10	0.7766	0.78					0		53+20	0.7646	0.76						0	
48+15	0.7764	0.78					0		53+25	0.7645	0.76						0	
48+20	0.7762	0.78					0		53+30	0.7643	0.76						0	
48+25	0.7760	0.78					0		53+35	0.7641	0.76						0	
48+30	0.7758	0.78					0		53+40	0.7639	0.76						0	
48+35	0.7756	0.78					0		53+45	0.7637	0.76						0	
48+40	0.7755	0.78					0		53+50	0.7635	0.76						0	
48+45	0.7753	0.78					0		53+55	0.7633	0.76						0	
48+50	0.7751	0.78					0		54+ 0	0.7631	0.76						0	
48+55	0.7749	0.77					0		54+ 5	0.7629	0.76						0	
49+ 0	0.7747	0.77					0		54+10	0.7627	0.76						0	
49+ 5	0.7745	0.77					0		54+15	0.7625	0.76						0	
49+10	0.7743	0.77					0		54+20	0.7623	0.76						0	
49+15	0.7741	0.77					0		54+25	0.7622	0.76						0	
49+20	0.7739	0.77					0		54+30	0.7620	0.76						0	
49+25	0.7737	0.77					0		54+35	0.7618	0.76						0	
49+30	0.7735	0.77					0		54+40	0.7616	0.76						0	
49+35	0.7733	0.77					0		54+45	0.7614	0.76						0	
49+40	0.7731	0.77					0		54+50	0.7612	0.76						0	
49+45	0.7729	0.77					0		54+55	0.7610	0.76						0	
49+50	0.7727	0.77					0		55+ 0	0.7608	0.76						0	
49+55	0.7725	0.77					0		55+ 5	0.7606	0.76						0	
50+ 0	0.7724	0.77					0		55+10	0.7604	0.76						0	
50+ 5	0.7722	0.77					0		55+15	0.7602	0.76						0	
50+10	0.7720	0.77					0		55+20	0.7601	0.76						0	
50+15	0.7718	0.77					0		55+25	0.7598	0.76						0	
50+20	0.7716	0.77					0		55+30	0.7596	0.76						0	
50+25	0.7714	0.77					0		55+35	0.7593	0.76						0	
50+30	0.7712	0.77					0		55+40	0.7590	0.76						0	
50+35	0.7710	0.77					0		55+45	0.7588	0.76						0	
50+40	0.7708	0.77					0		55+50	0.7585	0.76						0	
50+45	0.7706	0.77					0		55+55	0.7582	0.76						0	
50+50	0.7704	0.77					0		56+ 0	0.7580	0.76						0	
50+55	0.7702	0.77					0		56+ 5	0.7577	0.76						0	
51+ 0	0.7700	0.77					0		56+10	0.7575	0.76						0	
51+ 5	0.7698	0.77					0		56+15	0.7572	0.76						0	
51+10	0.7696	0.77					0		56+20	0.7569	0.76						0	
51+15	0.7695	0.77					0		56+25	0.7567	0.76						0	
51+20	0.7693	0.77					0		56+30	0.7564	0.76						0	
51+25	0.7691	0.77					0		56+35	0.7561	0.76						0	
51+30	0.7689	0.77					0		56+40	0.7559	0.76						0	
51+35	0.7687	0.77					0		56+45	0.7556	0.76						0	
51+40	0.7685	0.77					0		56+50	0.7554	0.76						0	
51+45	0.7683	0.77					0		56+55	0.7551	0.76						0	
51+50	0.7681	0.77					0		57+ 0	0.7548	0.75						0	
51+55	0.7679	0.77					0		57+ 5	0.7546	0.75						0	
52+ 0	0.7677	0.77					0		57+10	0.7543	0.75						0	
52+ 5	0.7675	0.77					0		57+15	0.7541	0.75						0	
52+10	0.7673	0.77					0		57+20	0.7538	0.75						0	
52+15	0.7671	0.77					0		57+25	0.7535	0.75						0	
52+20	0.7669	0.77					0		57+30	0.7533	0.75						0	
52+25	0.7668	0.77					0		57+35	0.7530	0.75						0	
52+30	0.7666	0.77					0		57+40	0.7528	0.75						0	

57+45	0.7525	0.75					O		62+55	0.7365	0.74						O	
57+50	0.7522	0.75					O		63+ 0	0.7363	0.74						O	
57+55	0.7520	0.75					O		63+ 5	0.7360	0.74						O	
58+ 0	0.7517	0.75					O		63+10	0.7358	0.74						O	
58+ 5	0.7514	0.75					O		63+15	0.7355	0.74						O	
58+10	0.7512	0.75					O		63+20	0.7352	0.74						O	
58+15	0.7509	0.75					O		63+25	0.7350	0.73						O	
58+20	0.7507	0.75					O		63+30	0.7347	0.73						O	
58+25	0.7504	0.75					O		63+35	0.7345	0.73						O	
58+30	0.7502	0.75					O		63+40	0.7342	0.73						O	
58+35	0.7499	0.75					O		63+45	0.7340	0.73						O	
58+40	0.7496	0.75					O		63+50	0.7337	0.73						O	
58+45	0.7494	0.75					O		63+55	0.7335	0.73						O	
58+50	0.7491	0.75					O		64+ 0	0.7332	0.73						O	
58+55	0.7489	0.75					O		64+ 5	0.7330	0.73						O	
59+ 0	0.7486	0.75					O		64+10	0.7327	0.73						O	
59+ 5	0.7483	0.75					O		64+15	0.7324	0.73						O	
59+10	0.7481	0.75					O		64+20	0.7322	0.73						O	
59+15	0.7478	0.75					O		64+25	0.7319	0.73						O	
59+20	0.7476	0.75					O		64+30	0.7317	0.73						O	
59+25	0.7473	0.75					O		64+35	0.7314	0.73						O	
59+30	0.7470	0.75					O		64+40	0.7312	0.73						O	
59+35	0.7468	0.75					O		64+45	0.7309	0.73						O	
59+40	0.7465	0.75					O		64+50	0.7307	0.73						O	
59+45	0.7463	0.75					O		64+55	0.7304	0.73						O	
59+50	0.7460	0.75					O		65+ 0	0.7302	0.73						O	
59+55	0.7457	0.75					O		65+ 5	0.7299	0.73						O	
60+ 0	0.7455	0.75					O		65+10	0.7297	0.73						O	
60+ 5	0.7452	0.75					O		65+15	0.7294	0.73						O	
60+10	0.7450	0.74					O		65+20	0.7292	0.73						O	
60+15	0.7447	0.74					O		65+25	0.7289	0.73						O	
60+20	0.7445	0.74					O		65+30	0.7287	0.73						O	
60+25	0.7442	0.74					O		65+35	0.7284	0.73						O	
60+30	0.7439	0.74					O		65+40	0.7282	0.73						O	
60+35	0.7437	0.74					O		65+45	0.7279	0.73						O	
60+40	0.7434	0.74					O		65+50	0.7276	0.73						O	
60+45	0.7432	0.74					O		65+55	0.7274	0.73						O	
60+50	0.7429	0.74					O		66+ 0	0.7271	0.73						O	
60+55	0.7427	0.74					O		66+ 5	0.7269	0.73						O	
61+ 0	0.7424	0.74					O		66+10	0.7266	0.73						O	
61+ 5	0.7421	0.74					O		66+15	0.7264	0.73						O	
61+10	0.7419	0.74					O		66+20	0.7261	0.73						O	
61+15	0.7416	0.74					O		66+25	0.7259	0.73						O	
61+20	0.7414	0.74					O		66+30	0.7256	0.73						O	
61+25	0.7411	0.74					O		66+35	0.7254	0.73						O	
61+30	0.7409	0.74					O		66+40	0.7251	0.73						O	
61+35	0.7406	0.74					O		66+45	0.7249	0.72						O	
61+40	0.7403	0.74					O		66+50	0.7246	0.72						O	
61+45	0.7401	0.74					O		66+55	0.7244	0.72						O	
61+50	0.7398	0.74					O		67+ 0	0.7241	0.72						O	
61+55	0.7396	0.74					O		67+ 5	0.7239	0.72						O	
62+ 0	0.7393	0.74					O		67+10	0.7236	0.72						O	
62+ 5	0.7391	0.74					O		67+15	0.7234	0.72						O	
62+10	0.7388	0.74					O		67+20	0.7231	0.72						O	
62+15	0.7386	0.74					O		67+25	0.7229	0.72						O	
62+20	0.7383	0.74					O		67+30	0.7226	0.72						O	
62+25	0.7380	0.74					O		67+35	0.7224	0.72						O	
62+30	0.7378	0.74					O		67+40	0.7221	0.72						O	
62+35	0.7375	0.74					O		67+45	0.7219	0.72						O	
62+40	0.7373	0.74					O		67+50	0.7216	0.72						O	
62+45	0.7370	0.74					O		67+55	0.7214	0.72						O	
62+50	0.7368	0.74					O		68+ 0	0.7211	0.72						O	

68+ 5	0.7209	0.72				O			73+15	0.7051	0.71					O		
68+10	0.7206	0.72				O			73+20	0.7048	0.70					O		
68+15	0.7204	0.72				O			73+25	0.7045	0.70					O		
68+20	0.7201	0.72				O			73+30	0.7043	0.70					O		
68+25	0.7199	0.72				O			73+35	0.7040	0.70					O		
68+30	0.7196	0.72				O			73+40	0.7037	0.70					O		
68+35	0.7194	0.72				O			73+45	0.7035	0.70					O		
68+40	0.7191	0.72				O			73+50	0.7032	0.70					O		
68+45	0.7189	0.72				O			73+55	0.7029	0.70					O		
68+50	0.7186	0.72				O			74+ 0	0.7027	0.70					O		
68+55	0.7184	0.72				O			74+ 5	0.7024	0.70					O		
69+ 0	0.7181	0.72				O			74+10	0.7021	0.70					O		
69+ 5	0.7179	0.72				O			74+15	0.7018	0.70					O		
69+10	0.7176	0.72				O			74+20	0.7016	0.70					O		
69+15	0.7174	0.72				O			74+25	0.7013	0.70					O		
69+20	0.7171	0.72				O			74+30	0.7010	0.70					O		
69+25	0.7169	0.72				O			74+35	0.7008	0.70					O		
69+30	0.7167	0.72				O			74+40	0.7005	0.70					O		
69+35	0.7164	0.72				O			74+45	0.7002	0.70					O		
69+40	0.7162	0.72				O			74+50	0.7000	0.70					O		
69+45	0.7159	0.72				O			74+55	0.6997	0.70					O		
69+50	0.7157	0.72				O			75+ 0	0.6994	0.70					O		
69+55	0.7154	0.72				O			75+ 5	0.6992	0.70					O		
70+ 0	0.7152	0.72				O			75+10	0.6989	0.70					O		
70+ 5	0.7149	0.71				O			75+15	0.6986	0.70					O		
70+10	0.7147	0.71				O			75+20	0.6983	0.70					O		
70+15	0.7144	0.71				O			75+25	0.6981	0.70					O		
70+20	0.7142	0.71				O			75+30	0.6978	0.70					O		
70+25	0.7139	0.71				O			75+35	0.6975	0.70					O		
70+30	0.7137	0.71				O			75+40	0.6973	0.70					O		
70+35	0.7134	0.71				O			75+45	0.6970	0.70					O		
70+40	0.7132	0.71				O			75+50	0.6967	0.70					O		
70+45	0.7129	0.71				O			75+55	0.6965	0.70					O		
70+50	0.7127	0.71				O			76+ 0	0.6962	0.70					O		
70+55	0.7124	0.71				O			76+ 5	0.6959	0.70					O		
71+ 0	0.7122	0.71				O			76+10	0.6957	0.70					O		
71+ 5	0.7120	0.71				O			76+15	0.6954	0.70					O		
71+10	0.7117	0.71				O			76+20	0.6951	0.70					O		
71+15	0.7115	0.71				O			76+25	0.6949	0.69					O		
71+20	0.7112	0.71				O			76+30	0.6946	0.69					O		
71+25	0.7110	0.71				O			76+35	0.6943	0.69					O		
71+30	0.7107	0.71				O			76+40	0.6941	0.69					O		
71+35	0.7105	0.71				O			76+45	0.6938	0.69					O		
71+40	0.7102	0.71				O			76+50	0.6935	0.69					O		
71+45	0.7100	0.71				O			76+55	0.6933	0.69					O		
71+50	0.7097	0.71				O			77+ 0	0.6930	0.69					O		
71+55	0.7094	0.71				O			77+ 5	0.6927	0.69					O		
72+ 0	0.7092	0.71				O			77+10	0.6925	0.69					O		
72+ 5	0.7089	0.71				O			77+15	0.6922	0.69					O		
72+10	0.7086	0.71				O			77+20	0.6919	0.69					O		
72+15	0.7083	0.71				O			77+25	0.6917	0.69					O		
72+20	0.7081	0.71				O			77+30	0.6914	0.69					O		
72+25	0.7078	0.71				O			77+35	0.6911	0.69					O		
72+30	0.7075	0.71				O			77+40	0.6909	0.69					O		
72+35	0.7073	0.71				O			77+45	0.6906	0.69					O		
72+40	0.7070	0.71				O			77+50	0.6903	0.69					O		
72+45	0.7067	0.71				O			77+55	0.6901	0.69					O		
72+50	0.7064	0.71				O			78+ 0	0.6898	0.69					O		
72+55	0.7062	0.71				O			78+ 5	0.6895	0.69					O		
73+ 0	0.7059	0.71				O			78+10	0.6893	0.69					O		
73+ 5	0.7056	0.71				O			78+15	0.6890	0.69					O		
73+10	0.7054	0.71				O			78+20	0.6888	0.69					O		

78+25	0.6885	0.69	|	|	|	|O	|	83+35	0.6723	0.67	|	|	|	O	|
78+30	0.6882	0.69	|	|	|	|O	|	83+40	0.6720	0.67	|	|	|	O	|
78+35	0.6880	0.69	|	|	|	IO	|	83+45	0.6718	0.67	|	|	|	O	|
78+40	0.6877	0.69	|	|	|	O	|	83+50	0.6715	0.67	|	|	|	O	|
78+45	0.6874	0.69	|	|	|	O	|	83+55	0.6712	0.67	|	|	|	O	|
78+50	0.6872	0.69	|	|	|	O	|	84+ 0	0.6710	0.67	|	|	|	O	|
78+55	0.6869	0.69	|	|	|	O	|	84+ 5	0.6707	0.67	|	|	|	O	|
79+ 0	0.6866	0.69	|	|	|	O	|	84+10	0.6705	0.67	|	|	|	O	|
79+ 5	0.6864	0.69	|	|	|	O	|	84+15	0.6702	0.67	|	|	|	O	|
79+10	0.6861	0.69	|	|	|	O	|	84+20	0.6700	0.67	|	|	|	O	|
79+15	0.6858	0.69	|	|	|	O	|	84+25	0.6697	0.67	|	|	|	O	|
79+20	0.6856	0.69	|	|	|	O	|	84+30	0.6694	0.67	|	|	|	O	|
79+25	0.6853	0.69	|	|	|	O	|	84+35	0.6692	0.67	|	|	|	O	|
79+30	0.6851	0.68	|	|	|	O	|	84+40	0.6689	0.67	|	|	|	O	|
79+35	0.6848	0.68	|	|	|	O	|	84+45	0.6687	0.67	|	|	|	O	|
79+40	0.6845	0.68	|	|	|	O	|	84+50	0.6684	0.67	|	|	|	O	|
79+45	0.6843	0.68	|	|	|	O	|	84+55	0.6682	0.67	|	|	|	O	|
79+50	0.6840	0.68	|	|	|	O	|	85+ 0	0.6679	0.67	|	|	|	O	|
79+55	0.6837	0.68	|	|	|	O	|	85+ 5	0.6676	0.67	|	|	|	O	|
80+ 0	0.6835	0.68	|	|	|	O	|	85+10	0.6674	0.67	|	|	|	O	|
80+ 5	0.6832	0.68	|	|	|	O	|	85+15	0.6671	0.67	|	|	|	O	|
80+10	0.6830	0.68	|	|	|	O	|	85+20	0.6669	0.67	|	|	|	O	|
80+15	0.6827	0.68	|	|	|	O	|	85+25	0.6666	0.67	|	|	|	O	|
80+20	0.6824	0.68	|	|	|	O	|	85+30	0.6664	0.67	|	|	|	O	|
80+25	0.6822	0.68	|	|	|	O	|	85+35	0.6661	0.67	|	|	|	O	|
80+30	0.6819	0.68	|	|	|	O	|	85+40	0.6658	0.67	|	|	|	O	|
80+35	0.6816	0.68	|	|	|	O	|	85+45	0.6656	0.67	|	|	|	O|	|
80+40	0.6814	0.68	|	|	|	O	|	85+50	0.6653	0.67	|	|	|	O|	|
80+45	0.6811	0.68	|	|	|	O	|	85+55	0.6651	0.67	|	|	|	O|	|
80+50	0.6809	0.68	|	|	|	O	|	86+ 0	0.6648	0.66	|	|	|	O|	|
80+55	0.6806	0.68	|	|	|	O	|	86+ 5	0.6646	0.66	|	|	|	O|	|
81+ 0	0.6803	0.68	|	|	|	O	|	86+10	0.6643	0.66	|	|	|	O|	|
81+ 5	0.6801	0.68	|	|	|	O	|	86+15	0.6641	0.66	|	|	|	O|	|
81+10	0.6798	0.68	|	|	|	O	|	86+20	0.6638	0.66	|	|	|	O|	|
81+15	0.6796	0.68	|	|	|	O	|	86+25	0.6635	0.66	|	|	|	O|	|
81+20	0.6793	0.68	|	|	|	O	|	86+30	0.6633	0.66	|	|	|	O|	|
81+25	0.6790	0.68	|	|	|	O	|	86+35	0.6630	0.66	|	|	|	O|	|
81+30	0.6788	0.68	|	|	|	O	|	86+40	0.6628	0.66	|	|	|	O|	|
81+35	0.6785	0.68	|	|	|	O	|	86+45	0.6625	0.66	|	|	|	O|	|
81+40	0.6782	0.68	|	|	|	O	|	86+50	0.6623	0.66	|	|	|	O|	|
81+45	0.6780	0.68	|	|	|	O	|	86+55	0.6620	0.66	|	|	|	O|	|
81+50	0.6777	0.68	|	|	|	O	|	87+ 0	0.6618	0.66	|	|	|	O|	|
81+55	0.6775	0.68	|	|	|	O	|	87+ 5	0.6615	0.66	|	|	|	O|	|
82+ 0	0.6772	0.68	|	|	|	O	|	87+10	0.6613	0.66	|	|	|	O|	|
82+ 5	0.6769	0.68	|	|	|	O	|	87+15	0.6610	0.66	|	|	|	O|	|
82+10	0.6767	0.68	|	|	|	O	|	87+20	0.6608	0.66	|	|	|	O|	|
82+15	0.6764	0.68	|	|	|	O	|	87+25	0.6605	0.66	|	|	|	O|	|
82+20	0.6762	0.68	|	|	|	O	|	87+30	0.6602	0.66	|	|	|	O|	|
82+25	0.6759	0.68	|	|	|	O	|	87+35	0.6600	0.66	|	|	|	O|	|
82+30	0.6756	0.68	|	|	|	O	|	87+40	0.6596	0.66	|	|	|	O|	|
82+35	0.6754	0.68	|	|	|	O	|	87+45	0.6593	0.66	|	|	|	O|	|
82+40	0.6751	0.68	|	|	|	O	|	87+50	0.6590	0.66	|	|	|	O|	|
82+45	0.6749	0.67	|	|	|	O	|	87+55	0.6586	0.66	|	|	|	O|	|
82+50	0.6746	0.67	|	|	|	O	|	88+ 0	0.6583	0.66	|	|	|	O|	|
82+55	0.6743	0.67	|	|	|	O	|	88+ 5	0.6579	0.66	|	|	|	O|	|
83+ 0	0.6741	0.67	|	|	|	O	|	88+10	0.6576	0.66	|	|	|	O|	|
83+ 5	0.6738	0.67	|	|	|	O	|	88+15	0.6573	0.66	|	|	|	O|	|
83+10	0.6736	0.67	|	|	|	O	|	88+20	0.6569	0.66	|	|	|	O|	|
83+15	0.6733	0.67	|	|	|	O	|	88+25	0.6566	0.66	|	|	|	O|	|
83+20	0.6731	0.67	|	|	|	O	|	88+30	0.6562	0.66	|	|	|	O|	|
83+25	0.6728	0.67	|	|	|	O	|	88+35	0.6559	0.66	|	|	|	O|	|
83+30	0.6725	0.67	|	|	|	O	|	88+40	0.6556	0.66	|	|	|	O|	|

88+45	0.6552	0.66	|	|	|	O|	|	93+55	0.6346	0.63	|	|	|	O	|	|
88+50	0.6549	0.65	|	|	|	O|	|	94+ 0	0.6343	0.63	|	|	|	O	|	|
88+55	0.6546	0.65	|	|	|	O|	|	94+ 5	0.6339	0.63	|	|	|	O	|	|
89+ 0	0.6542	0.65	|	|	|	O|	|	94+10	0.6336	0.63	|	|	|	O	|	|
89+ 5	0.6539	0.65	|	|	|	O|	|	94+15	0.6333	0.63	|	|	|	O	|	|
89+10	0.6535	0.65	|	|	|	O|	|	94+20	0.6329	0.63	|	|	|	O	|	|
89+15	0.6532	0.65	|	|	|	O|	|	94+25	0.6326	0.63	|	|	|	O	|	|
89+20	0.6529	0.65	|	|	|	O|	|	94+30	0.6323	0.63	|	|	|	O	|	|
89+25	0.6525	0.65	|	|	|	O|	|	94+35	0.6320	0.63	|	|	|	O	|	|
89+30	0.6522	0.65	|	|	|	O|	|	94+40	0.6316	0.63	|	|	|	O	|	|
89+35	0.6519	0.65	|	|	|	O|	|	94+45	0.6313	0.63	|	|	|	O	|	|
89+40	0.6515	0.65	|	|	|	O|	|	94+50	0.6310	0.63	|	|	|	O	|	|
89+45	0.6512	0.65	|	|	|	O|	|	94+55	0.6307	0.63	|	|	|	O	|	|
89+50	0.6508	0.65	|	|	|	O|	|	95+ 0	0.6303	0.63	|	|	|	O	|	|
89+55	0.6505	0.65	|	|	|	O|	|	95+ 5	0.6300	0.63	|	|	|	O	|	|
90+ 0	0.6502	0.65	|	|	|	O|	|	95+10	0.6297	0.63	|	|	|	O	|	|
90+ 5	0.6498	0.65	|	|	|	O|	|	95+15	0.6294	0.63	|	|	|	O	|	|
90+10	0.6495	0.65	|	|	|	O|	|	95+20	0.6290	0.63	|	|	|	O	|	|
90+15	0.6492	0.65	|	|	|	O|	|	95+25	0.6287	0.63	|	|	|	O	|	|
90+20	0.6488	0.65	|	|	|	O|	|	95+30	0.6284	0.63	|	|	|	O	|	|
90+25	0.6485	0.65	|	|	|	O|	|	95+35	0.6281	0.63	|	|	|	O	|	|
90+30	0.6482	0.65	|	|	|	O|	|	95+40	0.6277	0.63	|	|	|	O	|	|
90+35	0.6478	0.65	|	|	|	O|	|	95+45	0.6274	0.63	|	|	|	O	|	|
90+40	0.6475	0.65	|	|	|	O|	|	95+50	0.6271	0.63	|	|	|	O	|	|
90+45	0.6472	0.65	|	|	|	O|	|	95+55	0.6268	0.63	|	|	|	O	|	|
90+50	0.6468	0.65	|	|	|	O|	|	96+ 0	0.6264	0.63	|	|	|	O	|	|
90+55	0.6465	0.65	|	|	|	O|	|	96+ 5	0.6261	0.63	|	|	|	O	|	|
91+ 0	0.6462	0.65	|	|	|	O|	|	96+10	0.6258	0.63	|	|	|	O	|	|
91+ 5	0.6458	0.65	|	|	|	O|	|	96+15	0.6255	0.63	|	|	|	O	|	|
91+10	0.6455	0.65	|	|	|	O|	|	96+20	0.6251	0.63	|	|	|	O	|	|
91+15	0.6452	0.65	|	|	|	O|	|	96+25	0.6248	0.62	|	|	|	O	|	|
91+20	0.6448	0.64	|	|	|	O|	|	96+30	0.6245	0.62	|	|	|	O	|	|
91+25	0.6445	0.64	|	|	|	O|	|	96+35	0.6242	0.62	|	|	|	O	|	|
91+30	0.6442	0.64	|	|	|	O|	|	96+40	0.6239	0.62	|	|	|	O	|	|
91+35	0.6438	0.64	|	|	|	O|	|	96+45	0.6235	0.62	|	|	|	O	|	|
91+40	0.6435	0.64	|	|	|	O |	|	96+50	0.6232	0.62	|	|	|	O	|	|
91+45	0.6432	0.64	|	|	|	O |	|	96+55	0.6229	0.62	|	|	|	O	|	|
91+50	0.6428	0.64	|	|	|	O |	|	97+ 0	0.6226	0.62	|	|	|	O	|	|
91+55	0.6425	0.64	|	|	|	O |	|	97+ 5	0.6222	0.62	|	|	|	O	|	|
92+ 0	0.6422	0.64	|	|	|	O |	|	97+10	0.6219	0.62	|	|	|	O	|	|
92+ 5	0.6418	0.64	|	|	|	O |	|	97+15	0.6216	0.62	|	|	|	O	|	|
92+10	0.6415	0.64	|	|	|	O |	|	97+20	0.6213	0.62	|	|	|	O	|	|
92+15	0.6412	0.64	|	|	|	O |	|	97+25	0.6210	0.62	|	|	|	O	|	|
92+20	0.6408	0.64	|	|	|	O |	|	97+30	0.6206	0.62	|	|	|	O	|	|
92+25	0.6405	0.64	|	|	|	O |	|	97+35	0.6203	0.62	|	|	|	O	|	|
92+30	0.6402	0.64	|	|	|	O |	|	97+40	0.6200	0.62	|	|	|	O	|	|
92+35	0.6398	0.64	|	|	|	O |	|	97+45	0.6197	0.62	|	|	|	O	|	|
92+40	0.6395	0.64	|	|	|	O |	|	97+50	0.6194	0.62	|	|	|	O	|	|
92+45	0.6392	0.64	|	|	|	O |	|	97+55	0.6190	0.62	|	|	|	O	|	|
92+50	0.6389	0.64	|	|	|	O |	|	98+ 0	0.6187	0.62	|	|	|	O	|	|
92+55	0.6385	0.64	|	|	|	O |	|	98+ 5	0.6184	0.62	|	|	|	O	|	|
93+ 0	0.6382	0.64	|	|	|	O |	|	98+10	0.6181	0.62	|	|	|	O	|	|
93+ 5	0.6379	0.64	|	|	|	O |	|	98+15	0.6178	0.62	|	|	|	O	|	|
93+10	0.6375	0.64	|	|	|	O |	|	98+20	0.6174	0.62	|	|	|	O	|	|
93+15	0.6372	0.64	|	|	|	O |	|	98+25	0.6171	0.62	|	|	|	O	|	|
93+20	0.6369	0.64	|	|	|	O |	|	98+30	0.6168	0.62	|	|	|	O	|	|
93+25	0.6365	0.64	|	|	|	O |	|	98+35	0.6165	0.62	|	|	|	O	|	|
93+30	0.6362	0.64	|	|	|	O |	|	98+40	0.6162	0.62	|	|	|	O	|	|
93+35	0.6359	0.64	|	|	|	O |	|	98+45	0.6158	0.62	|	|	|	O	|	|
93+40	0.6356	0.64	|	|	|	O |	|	98+50	0.6155	0.62	|	|	|	O	|	|
93+45	0.6352	0.64	|	|	|	O |	|	98+55	0.6152	0.62	|	|	|	O	|	|
93+50	0.6349	0.63	|	|	|	O |	|	99+ 0	0.6149	0.61	|	|	|	O	|	|

99+ 5	0.6146	0.61				0			104+15	0.5937	0.59				0		
99+10	0.6143	0.61				0			104+20	0.5933	0.59				0		
99+15	0.6139	0.61				0			104+25	0.5929	0.59				0		
99+20	0.6136	0.61				0			104+30	0.5925	0.59				0		
99+25	0.6133	0.61				0			104+35	0.5921	0.59				0		
99+30	0.6130	0.61				0			104+40	0.5917	0.59				0		
99+35	0.6127	0.61				0			104+45	0.5913	0.59				0		
99+40	0.6124	0.61				0			104+50	0.5909	0.59				0		
99+45	0.6120	0.61				0			104+55	0.5905	0.59				0		
99+50	0.6117	0.61				0			105+ 0	0.5901	0.59				0		
99+55	0.6114	0.61				0			105+ 5	0.5897	0.59				0		
100+ 0	0.6111	0.61				0			105+10	0.5893	0.59				0		
100+ 5	0.6108	0.61				0			105+15	0.5889	0.59				0		
100+10	0.6105	0.61				0			105+20	0.5885	0.59				0		
100+15	0.6101	0.61				0			105+25	0.5881	0.59				0		
100+20	0.6098	0.61				0			105+30	0.5877	0.59				0		
100+25	0.6095	0.61				0			105+35	0.5873	0.59				0		
100+30	0.6092	0.61				0			105+40	0.5869	0.59				0		
100+35	0.6089	0.61				0			105+45	0.5865	0.59				0		
100+40	0.6086	0.61				0			105+50	0.5861	0.59				0		
100+45	0.6083	0.61				0			105+55	0.5857	0.59				0		
100+50	0.6079	0.61				0			106+ 0	0.5853	0.59				0		
100+55	0.6076	0.61				0			106+ 5	0.5849	0.58				0		
101+ 0	0.6073	0.61				0			106+10	0.5846	0.58				0		
101+ 5	0.6070	0.61				0			106+15	0.5842	0.58				0		
101+10	0.6067	0.61				0			106+20	0.5838	0.58				0		
101+15	0.6064	0.61				0			106+25	0.5834	0.58				0		
101+20	0.6061	0.61				0			106+30	0.5830	0.58				0		
101+25	0.6058	0.61				0			106+35	0.5826	0.58				0		
101+30	0.6054	0.61				0			106+40	0.5822	0.58				0		
101+35	0.6051	0.61				0			106+45	0.5818	0.58				0		
101+40	0.6048	0.60				0			106+50	0.5814	0.58				0		
101+45	0.6045	0.60				0			106+55	0.5810	0.58				0		
101+50	0.6042	0.60				0			107+ 0	0.5806	0.58				0		
101+55	0.6039	0.60				0			107+ 5	0.5802	0.58				0		
102+ 0	0.6036	0.60				0			107+10	0.5798	0.58				0		
102+ 5	0.6033	0.60				0			107+15	0.5794	0.58				0		
102+10	0.6029	0.60				0			107+20	0.5790	0.58				0		
102+15	0.6026	0.60				0			107+25	0.5786	0.58				0		
102+20	0.6023	0.60				0			107+30	0.5783	0.58				0		
102+25	0.6020	0.60				0			107+35	0.5779	0.58				0		
102+30	0.6017	0.60				0			107+40	0.5775	0.58				0		
102+35	0.6014	0.60				0			107+45	0.5771	0.58				0		
102+40	0.6011	0.60				0			107+50	0.5767	0.58				0		
102+45	0.6008	0.60				0			107+55	0.5763	0.58				0		
102+50	0.6005	0.60				0			108+ 0	0.5759	0.58				0		
102+55	0.6001	0.60				0			108+ 5	0.5755	0.58				0		
103+ 0	0.5998	0.60				0			108+10	0.5751	0.58				0		
103+ 5	0.5994	0.60				0			108+15	0.5747	0.57				0		
103+10	0.5990	0.60				0			108+20	0.5744	0.57				0		
103+15	0.5986	0.60				0			108+25	0.5740	0.57				0		
103+20	0.5982	0.60				0			108+30	0.5736	0.57				0		
103+25	0.5978	0.60				0			108+35	0.5732	0.57				0		
103+30	0.5974	0.60				0			108+40	0.5728	0.57				0		
103+35	0.5970	0.60				0			108+45	0.5724	0.57				0		
103+40	0.5965	0.60				0			108+50	0.5720	0.57				0		
103+45	0.5961	0.60				0			108+55	0.5716	0.57				0		
103+50	0.5957	0.60				0			109+ 0	0.5712	0.57				0		
103+55	0.5953	0.60				0			109+ 5	0.5709	0.57				0		
104+ 0	0.5949	0.59				0			109+10	0.5705	0.57				0		
104+ 5	0.5945	0.59				0			109+15	0.5701	0.57				0		
104+10	0.5941	0.59				0			109+20	0.5697	0.57				0		

109+25	0.5693	0.57				0			114+35	0.5459	0.55				0		
109+30	0.5689	0.57				0			114+40	0.5455	0.55				0		
109+35	0.5685	0.57				0			114+45	0.5452	0.55				0		
109+40	0.5682	0.57				0			114+50	0.5448	0.54				0		
109+45	0.5678	0.57				0			114+55	0.5444	0.54				0		
109+50	0.5674	0.57				0			115+ 0	0.5441	0.54				0		
109+55	0.5670	0.57				0			115+ 5	0.5437	0.54				0		
110+ 0	0.5666	0.57				0			115+10	0.5433	0.54				0		
110+ 5	0.5662	0.57				0			115+15	0.5430	0.54				0		
110+10	0.5659	0.57				0			115+20	0.5426	0.54				0		
110+15	0.5655	0.57				0			115+25	0.5422	0.54				0		
110+20	0.5651	0.57				0			115+30	0.5419	0.54				0		
110+25	0.5647	0.56				0			115+35	0.5415	0.54				0		
110+30	0.5643	0.56				0			115+40	0.5411	0.54				0		
110+35	0.5639	0.56				0			115+45	0.5408	0.54				0		
110+40	0.5636	0.56				0			115+50	0.5404	0.54				0		
110+45	0.5632	0.56				0			115+55	0.5400	0.54				0		
110+50	0.5628	0.56				0			116+ 0	0.5397	0.54				0		
110+55	0.5624	0.56				0			116+ 5	0.5393	0.54				0		
111+ 0	0.5620	0.56				0			116+10	0.5389	0.54				0		
111+ 5	0.5617	0.56				0			116+15	0.5386	0.54				0		
111+10	0.5613	0.56				0			116+20	0.5382	0.54				0		
111+15	0.5609	0.56				0			116+25	0.5378	0.54				0		
111+20	0.5605	0.56				0			116+30	0.5375	0.54				0		
111+25	0.5601	0.56				0			116+35	0.5371	0.54				0		
111+30	0.5598	0.56				0			116+40	0.5367	0.54				0		
111+35	0.5594	0.56				0			116+45	0.5364	0.54				0		
111+40	0.5590	0.56				0			116+50	0.5360	0.54				0		
111+45	0.5586	0.56				0			116+55	0.5357	0.54				0		
111+50	0.5582	0.56				0			117+ 0	0.5353	0.54				0		
111+55	0.5579	0.56				0			117+ 5	0.5349	0.53				0		
112+ 0	0.5575	0.56				0			117+10	0.5346	0.53				0		
112+ 5	0.5571	0.56				0			117+15	0.5342	0.53				0		
112+10	0.5567	0.56				0			117+20	0.5338	0.53				0		
112+15	0.5564	0.56				0			117+25	0.5335	0.53				0		
112+20	0.5560	0.56				0			117+30	0.5331	0.53				0		
112+25	0.5556	0.56				0			117+35	0.5328	0.53				0		
112+30	0.5552	0.56				0			117+40	0.5324	0.53				0		
112+35	0.5549	0.55				0			117+45	0.5320	0.53				0		
112+40	0.5545	0.55				0			117+50	0.5317	0.53				0		
112+45	0.5541	0.55				0			117+55	0.5313	0.53				0		
112+50	0.5537	0.55				0			118+ 0	0.5310	0.53				0		
112+55	0.5534	0.55				0			118+ 5	0.5306	0.53				0		
113+ 0	0.5530	0.55				0			118+10	0.5302	0.53				0		
113+ 5	0.5526	0.55				0			118+15	0.5298	0.53				0		
113+10	0.5522	0.55				0			118+20	0.5293	0.53				0		
113+15	0.5519	0.55				0			118+25	0.5289	0.53				0		
113+20	0.5515	0.55				0			118+30	0.5284	0.53				0		
113+25	0.5511	0.55				0			118+35	0.5279	0.53				0		
113+30	0.5507	0.55				0			118+40	0.5274	0.53				0		
113+35	0.5504	0.55				0			118+45	0.5269	0.53				0		
113+40	0.5500	0.55				0			118+50	0.5264	0.53				0		
113+45	0.5496	0.55				0			118+55	0.5259	0.53				0		
113+50	0.5492	0.55				0			119+ 0	0.5254	0.53				0		
113+55	0.5489	0.55				0			119+ 5	0.5249	0.52				0		
114+ 0	0.5485	0.55				0			119+10	0.5244	0.52				0		
114+ 5	0.5481	0.55				0			119+15	0.5239	0.52				0		
114+10	0.5478	0.55				0			119+20	0.5234	0.52				0		
114+15	0.5474	0.55				0			119+25	0.5229	0.52				0		
114+20	0.5470	0.55				0			119+30	0.5225	0.52				0		
114+25	0.5467	0.55				0			119+35	0.5220	0.52				0		
114+30	0.5463	0.55				0			119+40	0.5215	0.52				0		

119+45	0.5210	0.52	|	|	| O	|	|	124+55	0.4916	0.49	|	|	| O	|	|
119+50	0.5205	0.52	|	|	| O	|	|	125+ 0	0.4912	0.49	|	|	| O	|	|
119+55	0.5200	0.52	|	|	| O	|	|	125+ 5	0.4907	0.49	|	|	| O	|	|
120+ 0	0.5195	0.52	|	|	| O	|	|	125+10	0.4902	0.49	|	|	| O	|	|
120+ 5	0.5190	0.52	|	|	| O	|	|	125+15	0.4898	0.49	|	|	| O	|	|
120+10	0.5186	0.52	|	|	| O	|	|	125+20	0.4893	0.49	|	|	| O	|	|
120+15	0.5181	0.52	|	|	| O	|	|	125+25	0.4889	0.49	|	|	| O	|	|
120+20	0.5176	0.52	|	|	| O	|	|	125+30	0.4884	0.49	|	|	| O	|	|
120+25	0.5171	0.52	|	|	| O	|	|	125+35	0.4879	0.49	|	|	|O	|	|
120+30	0.5166	0.52	|	|	| O	|	|	125+40	0.4875	0.49	|	|	|O	|	|
120+35	0.5161	0.52	|	|	| O	|	|	125+45	0.4870	0.49	|	|	|O	|	|
120+40	0.5157	0.52	|	|	| O	|	|	125+50	0.4866	0.49	|	|	|O	|	|
120+45	0.5152	0.52	|	|	| O	|	|	125+55	0.4861	0.49	|	|	|O	|	|
120+50	0.5147	0.51	|	|	| O	|	|	126+ 0	0.4857	0.49	|	|	|O	|	|
120+55	0.5142	0.51	|	|	| O	|	|	126+ 5	0.4852	0.49	|	|	|O	|	|
121+ 0	0.5137	0.51	|	|	| O	|	|	126+10	0.4848	0.48	|	|	|O	|	|
121+ 5	0.5132	0.51	|	|	| O	|	|	126+15	0.4843	0.48	|	|	|O	|	|
121+10	0.5128	0.51	|	|	| O	|	|	126+20	0.4838	0.48	|	|	|O	|	|
121+15	0.5123	0.51	|	|	| O	|	|	126+25	0.4834	0.48	|	|	|O	|	|
121+20	0.5118	0.51	|	|	| O	|	|	126+30	0.4829	0.48	|	|	|O	|	|
121+25	0.5113	0.51	|	|	| O	|	|	126+35	0.4825	0.48	|	|	|O	|	|
121+30	0.5108	0.51	|	|	| O	|	|	126+40	0.4820	0.48	|	|	|O	|	|
121+35	0.5104	0.51	|	|	|O	|	|	126+45	0.4816	0.48	|	|	|O	|	|
121+40	0.5099	0.51	|	|	|O	|	|	126+50	0.4811	0.48	|	|	|O	|	|
121+45	0.5094	0.51	|	|	|O	|	|	126+55	0.4807	0.48	|	|	|O	|	|
121+50	0.5089	0.51	|	|	|O	|	|	127+ 0	0.4802	0.48	|	|	|O	|	|
121+55	0.5085	0.51	|	|	|O	|	|	127+ 5	0.4798	0.48	|	|	|O	|	|
122+ 0	0.5080	0.51	|	|	|O	|	|	127+10	0.4793	0.48	|	|	|O	|	|
122+ 5	0.5075	0.51	|	|	|O	|	|	127+15	0.4789	0.48	|	|	|O	|	|
122+10	0.5070	0.51	|	|	|O	|	|	127+20	0.4784	0.48	|	|	|O	|	|
122+15	0.5066	0.51	|	|	|O	|	|	127+25	0.4780	0.48	|	|	|O	|	|
122+20	0.5061	0.51	|	|	|O	|	|	127+30	0.4775	0.48	|	|	|O	|	|
122+25	0.5056	0.51	|	|	|O	|	|	127+35	0.4771	0.48	|	|	|O	|	|
122+30	0.5051	0.51	|	|	|O	|	|	127+40	0.4767	0.48	|	|	|O	|	|
122+35	0.5047	0.50	|	|	|O	|	|	127+45	0.4762	0.48	|	|	|O	|	|
122+40	0.5042	0.50	|	|	|O	|	|	127+50	0.4758	0.48	|	|	|O	|	|
122+45	0.5037	0.50	|	|	|O	|	|	127+55	0.4753	0.48	|	|	|O	|	|
122+50	0.5033	0.50	|	|	|O	|	|	128+ 0	0.4749	0.47	|	|	|O	|	|
122+55	0.5028	0.50	|	|	|O	|	|	128+ 5	0.4744	0.47	|	|	|O	|	|
123+ 0	0.5023	0.50	|	|	|O	|	|	128+10	0.4740	0.47	|	|	|O	|	|
123+ 5	0.5018	0.50	|	|	|O	|	|	128+15	0.4735	0.47	|	|	|O	|	|
123+10	0.5014	0.50	|	|	|O	|	|	128+20	0.4731	0.47	|	|	|O	|	|
123+15	0.5009	0.50	|	|	|O	|	|	128+25	0.4727	0.47	|	|	|O	|	|
123+20	0.5004	0.50	|	|	|O	|	|	128+30	0.4722	0.47	|	|	|O	|	|
123+25	0.5000	0.50	|	|	|O	|	|	128+35	0.4718	0.47	|	|	|O	|	|
123+30	0.4995	0.50	|	|	|O	|	|	128+40	0.4713	0.47	|	|	|O	|	|
123+35	0.4990	0.50	|	|	|O	|	|	128+45	0.4709	0.47	|	|	|O	|	|
123+40	0.4986	0.50	|	|	|O	|	|	128+50	0.4704	0.47	|	|	|O	|	|
123+45	0.4981	0.50	|	|	|O	|	|	128+55	0.4700	0.47	|	|	|O	|	|
123+50	0.4976	0.50	|	|	|O	|	|	129+ 0	0.4696	0.47	|	|	|O	|	|
123+55	0.4972	0.50	|	|	|O	|	|	129+ 5	0.4691	0.47	|	|	|O	|	|
124+ 0	0.4967	0.50	|	|	|O	|	|	129+10	0.4687	0.47	|	|	|O	|	|
124+ 5	0.4962	0.50	|	|	|O	|	|	129+15	0.4683	0.47	|	|	|O	|	|
124+10	0.4958	0.50	|	|	|O	|	|	129+20	0.4678	0.47	|	|	|O	|	|
124+15	0.4953	0.50	|	|	|O	|	|	129+25	0.4674	0.47	|	|	|O	|	|
124+20	0.4948	0.49	|	|	|O	|	|	129+30	0.4669	0.47	|	|	|O	|	|
124+25	0.4944	0.49	|	|	|O	|	|	129+35	0.4665	0.47	|	|	|O	|	|
124+30	0.4939	0.49	|	|	|O	|	|	129+40	0.4661	0.47	|	|	IO	|	|
124+35	0.4935	0.49	|	|	|O	|	|	129+45	0.4656	0.47	|	|	O	|	|
124+40	0.4930	0.49	|	|	|O	|	|	129+50	0.4652	0.47	|	|	O	|	|
124+45	0.4925	0.49	|	|	|O	|	|	129+55	0.4648	0.46	|	|	O	|	|
124+50	0.4921	0.49	|	|	|O	|	|	130+ 0	0.4643	0.46	|	|	O	|	|

130+ 5	0.4639	0.46	|	|	O	|	|
130+10	0.4635	0.46	|	|	O	|	|
130+15	0.4630	0.46	|	|	O	|	|
130+20	0.4626	0.46	|	|	O	|	|
130+25	0.4622	0.46	|	|	O	|	|
130+30	0.4617	0.46	|	|	O	|	|
130+35	0.4613	0.46	|	|	O	|	|
130+40	0.4609	0.46	|	|	O	|	|
130+45	0.4604	0.46	|	|	O	|	|
130+50	0.4600	0.46	|	|	O	|	|
130+55	0.4596	0.46	|	|	O	|	|
131+ 0	0.4591	0.46	|	|	O	|	|
131+ 5	0.4587	0.46	|	|	O	|	|
131+10	0.4583	0.46	|	|	O	|	|
131+15	0.4578	0.46	|	|	O	|	|
131+20	0.4574	0.46	|	|	O	|	|
131+25	0.4570	0.46	|	|	O	|	|
131+30	0.4566	0.46	|	|	O	|	|
131+35	0.4561	0.46	|	|	O	|	|
131+40	0.4557	0.46	|	|	O	|	|
131+45	0.4553	0.46	|	|	O	|	|
131+50	0.4549	0.45	|	|	O	|	|
131+55	0.4544	0.45	|	|	O	|	|
132+ 0	0.4540	0.45	|	|	O	|	|
132+ 5	0.4536	0.45	|	|	O	|	|
132+10	0.4532	0.45	|	|	O	|	|
132+15	0.4527	0.45	|	|	O	|	|
132+20	0.4523	0.45	|	|	O	|	|
132+25	0.4519	0.45	|	|	O	|	|
132+30	0.4515	0.45	|	|	O	|	|
132+35	0.4510	0.45	|	|	O	|	|
132+40	0.4506	0.45	|	|	O	|	|
132+45	0.4502	0.45	|	|	O	|	|
132+50	0.4498	0.45	|	|	O	|	|
132+55	0.4494	0.45	|	|	O	|	|
133+ 0	0.4489	0.45	|	|	O	|	|
133+ 5	0.4485	0.45	|	|	O	|	|
133+10	0.4481	0.45	|	|	O	|	|
133+15	0.4477	0.45	|	|	O	|	|
133+20	0.4473	0.45	|	|	O	|	|
133+25	0.4468	0.45	|	|	O	|	|
133+30	0.4464	0.45	|	|	O	|	|
133+35	0.4460	0.45	|	|	O	|	|
133+40	0.4456	0.45	|	|	O	|	|
133+45	0.4452	0.45	|	|	O	|	|
133+50	0.4448	0.44	|	|	O	|	|
133+55	0.4443	0.44	|	|	O	|	|
134+ 0	0.4439	0.44	|	|	O	|	|
134+ 5	0.4435	0.44	|	|	O|	|	|
134+10	0.4431	0.44	|	|	O|	|	|
134+15	0.4427	0.44	|	|	O|	|	|
134+20	0.4423	0.44	|	|	O|	|	|
134+25	0.4418	0.44	|	|	O|	|	|
134+30	0.4414	0.44	|	|	O|	|	|
134+35	0.4410	0.44	|	|	O|	|	|
134+40	0.4406	0.44	|	|	O|	|	|
134+45	0.4402	0.44	|	|	O|	|	|
134+50	0.4398	0.44	|	|	O|	|	|
134+55	0.4394	0.44	|	|	O|	|	|
135+ 0	0.4390	0.44	|	|	O|	|	|
135+ 5	0.4385	0.44	|	|	O|	|	|
135+10	0.4381	0.44	|	|	O|	|	|
135+15	0.4377	0.44	|	|	O|	|	|
135+20	0.4373	0.44	|	|	O|	|	|
135+25	0.4369	0.44	|	|	O|	|	|
135+30	0.4365	0.44	|	|	O|	|	|
135+35	0.4361	0.44	|	|	O|	|	|
135+40	0.4357	0.44	|	|	O|	|	|
135+45	0.4353	0.44	|	|	O|	|	|
135+50	0.4349	0.43	|	|	O|	|	|
135+55	0.4345	0.43	|	|	O|	|	|
136+ 0	0.4341	0.43	|	|	O|	|	|
136+ 5	0.4336	0.43	|	|	O|	|	|
136+10	0.4332	0.43	|	|	O|	|	|
136+15	0.4328	0.43	|	|	O|	|	|
136+20	0.4324	0.43	|	|	O|	|	|
136+25	0.4320	0.43	|	|	O|	|	|
136+30	0.4316	0.43	|	|	O|	|	|
136+35	0.4312	0.43	|	|	O|	|	|
136+40	0.4308	0.43	|	|	O|	|	|
136+45	0.4304	0.43	|	|	O|	|	|
136+50	0.4300	0.43	|	|	O|	|	|
136+55	0.4296	0.43	|	|	O|	|	|
137+ 0	0.4292	0.43	|	|	O|	|	|
137+ 5	0.4288	0.43	|	|	O|	|	|
137+10	0.4284	0.43	|	|	O|	|	|
137+15	0.4280	0.43	|	|	O|	|	|
137+20	0.4276	0.43	|	|	O|	|	|
137+25	0.4272	0.43	|	|	O|	|	|
137+30	0.4268	0.43	|	|	O|	|	|
137+35	0.4264	0.43	|	|	O|	|	|
137+40	0.4260	0.43	|	|	O|	|	|
137+45	0.4256	0.43	|	|	O|	|	|
137+50	0.4252	0.43	|	|	O|	|	|
137+55	0.4248	0.42	|	|	O|	|	|
138+ 0	0.4244	0.42	|	|	O|	|	|
138+ 5	0.4240	0.42	|	|	O|	|	|
138+10	0.4236	0.42	|	|	O|	|	|
138+15	0.4232	0.42	|	|	O|	|	|
138+20	0.4228	0.42	|	|	O|	|	|
138+25	0.4224	0.42	|	|	O|	|	|
138+30	0.4220	0.42	|	|	O|	|	|
138+35	0.4216	0.42	|	|	IO|	|	|
138+40	0.4212	0.42	|	|	O |	|	|
138+45	0.4208	0.42	|	|	O |	|	|
138+50	0.4205	0.42	|	|	O |	|	|
138+55	0.4201	0.42	|	|	O |	|	|
139+ 0	0.4197	0.42	|	|	O |	|	|
139+ 5	0.4193	0.42	|	|	O |	|	|
139+10	0.4189	0.42	|	|	O |	|	|
139+15	0.4185	0.42	|	|	O |	|	|
139+20	0.4181	0.42	|	|	O |	|	|
139+25	0.4177	0.42	|	|	O |	|	|
139+30	0.4173	0.42	|	|	O |	|	|
139+35	0.4169	0.42	|	|	O |	|	|
139+40	0.4165	0.42	|	|	O |	|	|
139+45	0.4161	0.42	|	|	O |	|	|
139+50	0.4158	0.42	|	|	O |	|	|
139+55	0.4154	0.42	|	|	O |	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 3256
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.888 (CFS)

```
                Total volume =       9.147 (Ac.Ft)
          Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      9.277     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)     2.638     0.000     0.000     0.000     0.000
     ************************************************************************

     ------------------------------------------------------------------------



     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
     Process from Point/Station        9.200 to Point/Station        9.200
     **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
     ________________________________________________________________________
     From stored stream number 1 the total
     volume of       2.64 (Ac.Ft) is being added to the
     current hydrograph at its original rate from user
     with a delay time to start of addition of    0.00 hours.
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
     ------------------------------------------------------------------------
               Hydrograph in   5   Minute intervals (CFS)

     ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        2.5       5.1       7.6      10.2
-------------------------------------------------------------------------
  0+ 5       0.0233      0.03  Q        |         |         |         |
  0+10       0.1238      0.16  Q        |         |         |         |
  0+15       0.2830      0.37  |Q       |         |         |         |
  0+20       0.3800      0.53  |qQ      |         |         |         |
  0+25       0.4544      0.67  |qQ      |         |         |         |
  0+30       0.5211      0.79  | qQ     |         |         |         |
  0+35       0.5796      0.88  | qQ     |         |         |         |
  0+40       0.6313      0.97  | qQ     |         |         |         |
  0+45       0.6749      1.04  | q Q    |         |         |         |
  0+50       0.7161      1.11  | q Q    |         |         |         |
  0+55       0.7521      1.16  | q Q    |         |         |         |
  1+ 0       0.7855      1.21  |  qQ    |         |         |         |
  1+ 5       0.8161      1.26  |  qQ    |         |         |         |
  1+10       0.8447      1.31  |  q Q   |         |         |         |
  1+15       0.8737      1.37  |  q Q   |         |         |         |
  1+20       0.9015      1.42  |  q Q   |         |         |         |
  1+25       0.9282      1.47  |  q Q   |         |         |         |
  1+30       0.9539      1.52  |  q Q   |         |         |         |
  1+35       0.9811      1.56  |  q  Q  |         |         |         |
  1+40       1.0069      1.61  |  q  Q  |         |         |         |
  1+45       1.0329      1.65  |   q Q  |         |         |         |
  1+50       1.0587      1.70  |   q Q  |         |         |         |
  1+55       1.0833      1.74  |   q Q  |         |         |         |
  2+ 0       1.1062      1.78  |   q  Q |         |         |         |
  2+ 5       1.1276      1.82  |   q  Q |         |         |         |
  2+10       1.1489      1.86  |   q  Q |         |         |         |
  2+15       1.1691      1.89  |   q  Q |         |         |         |
  2+20       1.1921      1.94  |   q  Q |         |         |         |
  2+25       1.2187      1.98  |   q  Q |         |         |         |
  2+30       1.2471      2.03  |   q  Q |         |         |         |
  2+35       1.2781      2.08  |    q  Q|         |         |         |
  2+40       1.3147      2.15  |    q  Q|         |         |         |
  2+45       5.1419      6.00  |         |         q  Q      |         |
  2+50       8.3336      9.20  |         |         |         | q   Q   |
  2+55       9.2772     10.15  |         |         |         |     q   Q
  3+ 0       9.1500     10.03  |         |         |         |      q  Q|
  3+ 5       8.3657      9.25  |         |         |         |  q   Q   |
  3+10       7.0798      7.97  |         |         |         q  |Q        |
  3+15       5.7066      6.59  |         |         |      q  Q  |         |
  3+20       4.5142      5.40  |         |         q  |Q       |         |
  3+25       3.5497      4.44  |         |    q   Q  |         |         |
  3+30       2.7853      3.67  |         q   Q       |         |         |
  3+35       2.1843      3.07  |       q  | Q        |         |         |
  3+40       1.7128      2.60  |     q    Q         |         |         |
  3+45       1.3936      2.28  |    q  Q  |         |         |         |
  3+50       1.3288      2.22  |    q  Q  |         |         |         |
  3+55       1.3270      2.21  |    q  Q  |         |         |         |
  4+ 0       1.3255      2.21  |    q  Q  |         |         |         |
  4+ 5       1.3240      2.21  |    q  Q  |         |         |         |
  4+10       1.3226      2.21  |    q  Q  |         |         |         |
  4+15       1.3211      2.21  |    q  Q  |         |         |         |
  4+20       1.3196      2.21  |    q  Q  |         |         |         |
  4+25       1.3181      2.20  |    q  Q  |         |         |         |
  4+30       1.3166      2.20  |    q  Q  |         |         |         |
  4+35       1.3152      2.20  |    q  Q  |         |         |         |
  4+40       1.3137      2.20  |    q  Q  |         |         |         |
  4+45       1.3122      2.20  |    q  Q  |         |         |         |
  4+50       1.3107      2.20  |    q  Q  |         |         |         |
  4+55       1.3093      2.19  |    q  Q  |         |         |         |
  5+ 0       1.3078      2.19  |    q  Q  |         |         |         |
  5+ 5       1.3063      2.19  |    q  Q  |         |         |         |
  5+10       1.3049      2.19  |    q  Q  |         |         |         |
  5+15       1.3034      2.19  |    q  Q  |         |         |         |
  5+20       1.3020      2.19  |    q  Q  |         |         |         |
  5+25       1.3005      2.18  |    q  Q  |         |         |         |
  5+30       1.2990      2.18  |    q  Q  |         |         |         |
  5+35       1.2976      2.18  |    q  Q  |         |         |         |
  5+40       1.2961      2.18  |    q  Q  |         |         |         |
  5+45       1.2947      2.18  |    q  Q  |         |         |         |
  5+50       1.2932      2.18  |    q  Q  |         |         |         |
  5+55       1.2918      2.17  |    q  Q  |         |         |         |
  6+ 0       1.2903      2.17  |    q  Q  |         |         |         |
  6+ 5       1.2889      2.17  |    q  Q  |         |         |         |
  6+10       1.2874      2.17  |    q  Q  |         |         |         |
  6+15       1.2860      2.17  |    q  Q  |         |         |         |
  6+20       1.2845      2.17  |    q  Q  |         |         |         |
  6+25       1.2831      2.16  |    q  Q  |         |         |         |
  6+30       1.2817      2.16  |    q  Q  |         |         |         |
  6+35       1.2802      2.16  |    q  Q  |         |         |         |
  6+40       1.2789      2.16  |    q  Q  |         |         |         |
  6+45       1.2777      2.16  |    q  Q  |         |         |         |
  6+50       1.2764      2.16  |    q  Q  |         |         |         |
  6+55       1.2752      2.15  |    q  Q  |         |         |         |
  7+ 0       1.2739      2.15  |    q  Q  |         |         |         |
  7+ 5       1.2727      2.15  |    q  Q  |         |         |         |
  7+10       1.2714      2.15  |    q  Q  |         |         |         |
  7+15       1.2702      2.15  |    q  Q  |         |         |         |
  7+20       1.2689      2.15  |   q   Q  |         |         |         |
  7+25       1.2677      2.15  |   q   Q  |         |         |         |
  7+30       1.2664      2.14  |   q   Q  |         |         |         |
  7+35       1.2652      2.14  |   q   Q  |         |         |         |
  7+40       1.2639      2.14  |   q   Q  |         |         |         |
  7+45       1.2627      2.14  |   q   Q  |         |         |         |
  7+50       1.2614      2.14  |   q   Q  |         |         |         |
  7+55       1.2602      2.14  |   q   Q  |         |         |         |
  8+ 0       1.2590      2.14  |   q   Q  |         |         |         |
  8+ 5       1.2577      2.13  |   q   Q  |         |         |         |
```

8+10	1.2565	2.13	q	Q					13+20	1.1642	2.03	q	Q						
8+15	1.2553	2.13	q	Q					13+25	1.1628	2.03	q	Q						
8+20	1.2540	2.13	q	Q					13+30	1.1614	2.03	q	Q						
8+25	1.2528	2.13	q	Q					13+35	1.1600	2.03	q	Q						
8+30	1.2516	2.13	q	Q					13+40	1.1586	2.02	q	Q						
8+35	1.2503	2.13	q	Q					13+45	1.1572	2.02	q	Q						
8+40	1.2491	2.12	q	Q					13+50	1.1558	2.02	q	Q						
8+45	1.2479	2.12	q	Q					13+55	1.1544	2.02	q	Q						
8+50	1.2466	2.12	q	Q					14+ 0	1.1531	2.02	q	Q						
8+55	1.2454	2.12	q	Q					14+ 5	1.1517	2.02	q	Q						
9+ 0	1.2442	2.12	q	Q					14+10	1.1503	2.01	q	Q						
9+ 5	1.2430	2.12	q	Q					14+15	1.1485	2.01	q	Q						
9+10	1.2417	2.12	q	Q					14+20	1.1466	2.01	q	Q						
9+15	1.2405	2.12	q	Q					14+25	1.1447	2.01	q	Q						
9+20	1.2390	2.11	q	Q					14+30	1.1428	2.01	q	Q						
9+25	1.2374	2.11	q	Q					14+35	1.1409	2.00	q	Q						
9+30	1.2357	2.11	q	Q					14+40	1.1390	2.00	q	Q						
9+35	1.2340	2.11	q	Q					14+45	1.1372	2.00	q	Q						
9+40	1.2323	2.11	q	Q					14+50	1.1353	2.00	q	Q						
9+45	1.2306	2.10	q	Q					14+55	1.1334	2.00	q	Q						
9+50	1.2290	2.10	q	Q					15+ 0	1.1315	1.99	q	Q						
9+55	1.2273	2.10	q	Q					15+ 5	1.1296	1.99	q	Q						
10+ 0	1.2256	2.10	q	Q					15+10	1.1278	1.99	q	Q						
10+ 5	1.2240	2.10	q	Q					15+15	1.1259	1.99	q	Q						
10+10	1.2223	2.09	q	Q					15+20	1.1241	1.99	q	Q						
10+15	1.2206	2.09	q	Q					15+25	1.1222	1.98	q	Q						
10+20	1.2190	2.09	q	Q					15+30	1.1203	1.98	q	Q						
10+25	1.2173	2.09	q	Q					15+35	1.1185	1.98	q	Q						
10+30	1.2157	2.09	q	Q					15+40	1.1166	1.98	q	Q						
10+35	1.2140	2.09	q	Q					15+45	1.1148	1.98	q	Q						
10+40	1.2123	2.08	q	Q					15+50	1.1129	1.97	q	Q						
10+45	1.2107	2.08	q	Q					15+55	1.1111	1.97	q	Q						
10+50	1.2091	2.08	q	Q					16+ 0	1.1093	1.97	q	Q						
10+55	1.2074	2.08	q	Q					16+ 5	1.1074	1.97	q	Q						
11+ 0	1.2058	2.08	q	Q					16+10	1.1056	1.97	q	Q						
11+ 5	1.2041	2.07	q	Q					16+15	1.1038	1.96	q	Q						
11+10	1.2025	2.07	q	Q					16+20	1.1019	1.96	q	Q						
11+15	1.2009	2.07	q	Q					16+25	1.1001	1.96	q	Q						
11+20	1.1992	2.07	q	Q					16+30	1.0981	1.96	q	Q						
11+25	1.1976	2.07	q	Q					16+35	1.0961	1.95	q	Q						
11+30	1.1960	2.07	q	Q					16+40	1.0941	1.95	q	Q						
11+35	1.1943	2.06	q	Q					16+45	1.0921	1.95	q	Q						
11+40	1.1927	2.06	q	Q					16+50	1.0901	1.95	q	Q						
11+45	1.1911	2.06	q	Q					16+55	1.0881	1.95	q	Q						
11+50	1.1895	2.06	q	Q					17+ 0	1.0861	1.94	q	Q						
11+55	1.1881	2.06	q	Q					17+ 5	1.0841	1.94	q	Q						
12+ 0	1.1867	2.06	q	Q					17+10	1.0821	1.94	q	Q						
12+ 5	1.1853	2.05	q	Q					17+15	1.0802	1.94	q	Q						
12+10	1.1838	2.05	q	Q					17+20	1.0782	1.94	q	Q						
12+15	1.1824	2.05	q	Q					17+25	1.0762	1.93	q	Q						
12+20	1.1810	2.05	q	Q					17+30	1.0742	1.93	q	Q						
12+25	1.1796	2.05	q	Q					17+35	1.0723	1.93	q	Q						
12+30	1.1782	2.05	q	Q					17+40	1.0703	1.93	q	Q						
12+35	1.1768	2.04	q	Q					17+45	1.0684	1.92	q	Q						
12+40	1.1754	2.04	q	Q					17+50	1.0664	1.92	q	Q						
12+45	1.1740	2.04	q	Q					17+55	1.0645	1.92	q	Q						
12+50	1.1726	2.04	q	Q					18+ 0	1.0625	1.92	q	Q						
12+55	1.1711	2.04	q	Q					18+ 5	1.0606	1.92	q	Q						
13+ 0	1.1697	2.04	q	Q					18+10	1.0586	1.91	q	Q						
13+ 5	1.1683	2.03	q	Q					18+15	1.0567	1.91	q	Q						
13+10	1.1669	2.03	q	Q					18+20	1.0547	1.91	q	Q						
13+15	1.1656	2.03	q	Q					18+25	1.0528	1.91	q	Q						

18+30	1.0509	1.91		q	Q					23+40	0.8965	1.74		q	Q				
18+35	1.0487	1.90		q	Q					23+45	0.8938	1.73		q	Q				
18+40	1.0463	1.90		q	Q					23+50	0.8910	1.73		q	Q				
18+45	1.0438	1.90		q	Q					23+55	0.8883	1.73		q	Q				
18+50	1.0414	1.90		q	Q					24+ 0	0.8856	1.73		q	Q				
18+55	1.0390	1.89		q	Q					24+ 5	0.8829	1.72		q	Q				
19+ 0	1.0366	1.89		q	Q					24+10	0.8802	1.72		q	Q				
19+ 5	1.0342	1.89		q	Q					24+15	0.8775	1.72		q	Q				
19+10	1.0318	1.88		q	Q					24+20	0.8748	1.71		q	Q				
19+15	1.0294	1.88		q	Q					24+25	0.8721	1.71		q	Q				
19+20	1.0270	1.88		q	Q					24+30	0.8694	1.71		q	Q				
19+25	1.0246	1.88		q	Q					24+35	0.8664	1.70		q	Q				
19+30	1.0223	1.87		q	Q					24+40	0.8635	1.70		q	Q				
19+35	1.0199	1.87		q	Q					24+45	0.8605	1.70		q	Q				
19+40	1.0175	1.87		q	Q					24+50	0.8575	1.70		q	Q				
19+45	1.0152	1.87		q	Q					24+55	0.8546	1.69		q	Q				
19+50	1.0128	1.86		q	Q					25+ 0	0.8516	1.69		q	Q				
19+55	1.0105	1.86		q	Q					25+ 5	0.0000	0.84	q	Q					
20+ 0	1.0081	1.86		q	Q					25+10	0.0000	0.84	q	Q					
20+ 5	1.0058	1.86		q	Q					25+15	0.0000	0.84	q	Q					
20+10	1.0034	1.85		q	Q					25+20	0.0000	0.84	q	Q					
20+15	1.0011	1.85		q	Q					25+25	0.0000	0.84	q	Q					
20+20	0.9988	1.85		q	Q					25+30	0.0000	0.84	q	Q					
20+25	0.9965	1.85		q	Q					25+35	0.0000	0.84	q	Q					
20+30	0.9942	1.84		q	Q					25+40	0.0000	0.84	q	Q					
20+35	0.9919	1.84		q	Q					25+45	0.0000	0.84	q	Q					
20+40	0.9895	1.84		q	Q					25+50	0.0000	0.83	q	Q					
20+45	0.9870	1.84		q	Q					25+55	0.0000	0.83	q	Q					
20+50	0.9844	1.83		q	Q					26+ 0	0.0000	0.83	q	Q					
20+55	0.9819	1.83		q	Q					26+ 5	0.0000	0.83	q	Q					
21+ 0	0.9793	1.83		q	Q					26+10	0.0000	0.83	q	Q					
21+ 5	0.9768	1.83		q	Q					26+15	0.0000	0.83	q	Q					
21+10	0.9743	1.82		q	Q					26+20	0.0000	0.83	q	Q					
21+15	0.9718	1.82		q	Q					26+25	0.0000	0.83	q	Q					
21+20	0.9693	1.82		q	Q					26+30	0.0000	0.83	q	Q					
21+25	0.9668	1.81		q	Q					26+35	0.0000	0.83	q	Q					
21+30	0.9643	1.81		q	Q					26+40	0.0000	0.83	q	Q					
21+35	0.9618	1.81		q	Q					26+45	0.0000	0.83	q	Q					
21+40	0.9593	1.81		q	Q					26+50	0.0000	0.83	q	Q					
21+45	0.9568	1.80		q	Q					26+55	0.0000	0.83	q	Q					
21+50	0.9544	1.80		q	Q					27+ 0	0.0000	0.83	q	Q					
21+55	0.9519	1.80		q	Q					27+ 5	0.0000	0.83	q	Q					
22+ 0	0.9495	1.80		q	Q					27+10	0.0000	0.83	q	Q					
22+ 5	0.9470	1.79		q	Q					27+15	0.0000	0.83	q	Q					
22+10	0.9446	1.79		q	Q					27+20	0.0000	0.83	q	Q					
22+15	0.9421	1.79		q	Q					27+25	0.0000	0.83	q	Q					
22+20	0.9397	1.78		q	Q					27+30	0.0000	0.83	q	Q					
22+25	0.9373	1.78		q	Q					27+35	0.0000	0.83	q	Q					
22+30	0.9349	1.78		q	Q					27+40	0.0000	0.83	q	Q					
22+35	0.9324	1.78		q	Q					27+45	0.0000	0.83	q	Q					
22+40	0.9300	1.77		q	Q					27+50	0.0000	0.83	q	Q					
22+45	0.9272	1.77		q	Q					27+55	0.0000	0.83	q	Q					
22+50	0.9244	1.77		q	Q					28+ 0	0.0000	0.83	q	Q					
22+55	0.9215	1.76		q	Q					28+ 5	0.0000	0.83	q	Q					
23+ 0	0.9187	1.76		q	Q					28+10	0.0000	0.83	q	Q					
23+ 5	0.9159	1.76		q	Q					28+15	0.0000	0.83	q	Q					
23+10	0.9131	1.76		q	Q					28+20	0.0000	0.83	q	Q					
23+15	0.9103	1.75		q	Q					28+25	0.0000	0.83	q	Q					
23+20	0.9076	1.75		q	Q					28+30	0.0000	0.83	q	Q					
23+25	0.9048	1.75		q	Q					28+35	0.0000	0.83	q	Q					
23+30	0.9020	1.74		q	Q					28+40	0.0000	0.83	q	Q					
23+35	0.8993	1.74		q	Q					28+45	0.0000	0.83	q	Q					

28+50	0.0000	0.83	q	Q	|	|	|	|		34+ 0	0.0000	0.81	q	Q	|	|	|	|
28+55	0.0000	0.83	q	Q	|	|	|	|		34+ 5	0.0000	0.81	q	Q	|	|	|	|
29+ 0	0.0000	0.83	q	Q	|	|	|	|		34+10	0.0000	0.81	q	Q	|	|	|	|
29+ 5	0.0000	0.83	q	Q	|	|	|	|		34+15	0.0000	0.81	q	Q	|	|	|	|
29+10	0.0000	0.83	q	Q	|	|	|	|		34+20	0.0000	0.81	q	Q	|	|	|	|
29+15	0.0000	0.83	q	Q	|	|	|	|		34+25	0.0000	0.81	q	Q	|	|	|	|
29+20	0.0000	0.82	q	Q	|	|	|	|		34+30	0.0000	0.81	q	Q	|	|	|	|
29+25	0.0000	0.82	q	Q	|	|	|	|		34+35	0.0000	0.81	q	Q	|	|	|	|
29+30	0.0000	0.82	q	Q	|	|	|	|		34+40	0.0000	0.81	q	Q	|	|	|	|
29+35	0.0000	0.82	q	Q	|	|	|	|		34+45	0.0000	0.81	q	Q	|	|	|	|
29+40	0.0000	0.82	q	Q	|	|	|	|		34+50	0.0000	0.81	q	Q	|	|	|	|
29+45	0.0000	0.82	q	Q	|	|	|	|		34+55	0.0000	0.81	q	Q	|	|	|	|
29+50	0.0000	0.82	q	Q	|	|	|	|		35+ 0	0.0000	0.81	q	Q	|	|	|	|
29+55	0.0000	0.82	q	Q	|	|	|	|		35+ 5	0.0000	0.81	q	Q	|	|	|	|
30+ 0	0.0000	0.82	q	Q	|	|	|	|		35+10	0.0000	0.81	q	Q	|	|	|	|
30+ 5	0.0000	0.82	q	Q	|	|	|	|		35+15	0.0000	0.81	q	Q	|	|	|	|
30+10	0.0000	0.82	q	Q	|	|	|	|		35+20	0.0000	0.81	q	Q	|	|	|	|
30+15	0.0000	0.82	q	Q	|	|	|	|		35+25	0.0000	0.81	q	Q	|	|	|	|
30+20	0.0000	0.82	q	Q	|	|	|	|		35+30	0.0000	0.81	q	Q	|	|	|	|
30+25	0.0000	0.82	q	Q	|	|	|	|		35+35	0.0000	0.81	q	Q	|	|	|	|
30+30	0.0000	0.82	q	Q	|	|	|	|		35+40	0.0000	0.81	q	Q	|	|	|	|
30+35	0.0000	0.82	q	Q	|	|	|	|		35+45	0.0000	0.81	q	Q	|	|	|	|
30+40	0.0000	0.82	q	Q	|	|	|	|		35+50	0.0000	0.81	q	Q	|	|	|	|
30+45	0.0000	0.82	q	Q	|	|	|	|		35+55	0.0000	0.81	q	Q	|	|	|	|
30+50	0.0000	0.82	q	Q	|	|	|	|		36+ 0	0.0000	0.81	q	Q	|	|	|	|
30+55	0.0000	0.82	q	Q	|	|	|	|		36+ 5	0.0000	0.81	q	Q	|	|	|	|
31+ 0	0.0000	0.82	q	Q	|	|	|	|		36+10	0.0000	0.81	q	Q	|	|	|	|
31+ 5	0.0000	0.82	q	Q	|	|	|	|		36+15	0.0000	0.81	q	Q	|	|	|	|
31+10	0.0000	0.82	q	Q	|	|	|	|		36+20	0.0000	0.81	q	Q	|	|	|	|
31+15	0.0000	0.82	q	Q	|	|	|	|		36+25	0.0000	0.81	q	Q	|	|	|	|
31+20	0.0000	0.82	q	Q	|	|	|	|		36+30	0.0000	0.80	q	Q	|	|	|	|
31+25	0.0000	0.82	q	Q	|	|	|	|		36+35	0.0000	0.80	q	Q	|	|	|	|
31+30	0.0000	0.82	q	Q	|	|	|	|		36+40	0.0000	0.80	q	Q	|	|	|	|
31+35	0.0000	0.82	q	Q	|	|	|	|		36+45	0.0000	0.80	q	Q	|	|	|	|
31+40	0.0000	0.82	q	Q	|	|	|	|		36+50	0.0000	0.80	q	Q	|	|	|	|
31+45	0.0000	0.82	q	Q	|	|	|	|		36+55	0.0000	0.80	q	Q	|	|	|	|
31+50	0.0000	0.82	q	Q	|	|	|	|		37+ 0	0.0000	0.80	q	Q	|	|	|	|
31+55	0.0000	0.82	q	Q	|	|	|	|		37+ 5	0.0000	0.80	q	Q	|	|	|	|
32+ 0	0.0000	0.82	q	Q	|	|	|	|		37+10	0.0000	0.80	q	Q	|	|	|	|
32+ 5	0.0000	0.82	q	Q	|	|	|	|		37+15	0.0000	0.80	q	Q	|	|	|	|
32+10	0.0000	0.82	q	Q	|	|	|	|		37+20	0.0000	0.80	q	Q	|	|	|	|
32+15	0.0000	0.82	q	Q	|	|	|	|		37+25	0.0000	0.80	q	Q	|	|	|	|
32+20	0.0000	0.82	q	Q	|	|	|	|		37+30	0.0000	0.80	q	Q	|	|	|	|
32+25	0.0000	0.82	q	Q	|	|	|	|		37+35	0.0000	0.80	q	Q	|	|	|	|
32+30	0.0000	0.82	q	Q	|	|	|	|		37+40	0.0000	0.80	q	Q	|	|	|	|
32+35	0.0000	0.82	q	Q	|	|	|	|		37+45	0.0000	0.80	q	Q	|	|	|	|
32+40	0.0000	0.82	q	Q	|	|	|	|		37+50	0.0000	0.80	q	Q	|	|	|	|
32+45	0.0000	0.82	q	Q	|	|	|	|		37+55	0.0000	0.80	q	Q	|	|	|	|
32+50	0.0000	0.82	q	Q	|	|	|	|		38+ 0	0.0000	0.80	q	Q	|	|	|	|
32+55	0.0000	0.81	q	Q	|	|	|	|		38+ 5	0.0000	0.80	q	Q	|	|	|	|
33+ 0	0.0000	0.81	q	Q	|	|	|	|		38+10	0.0000	0.80	q	Q	|	|	|	|
33+ 5	0.0000	0.81	q	Q	|	|	|	|		38+15	0.0000	0.80	q	Q	|	|	|	|
33+10	0.0000	0.81	q	Q	|	|	|	|		38+20	0.0000	0.80	q	Q	|	|	|	|
33+15	0.0000	0.81	q	Q	|	|	|	|		38+25	0.0000	0.80	q	Q	|	|	|	|
33+20	0.0000	0.81	q	Q	|	|	|	|		38+30	0.0000	0.80	q	Q	|	|	|	|
33+25	0.0000	0.81	q	Q	|	|	|	|		38+35	0.0000	0.80	q	Q	|	|	|	|
33+30	0.0000	0.81	q	Q	|	|	|	|		38+40	0.0000	0.80	q	Q	|	|	|	|
33+35	0.0000	0.81	q	Q	|	|	|	|		38+45	0.0000	0.80	q	Q	|	|	|	|
33+40	0.0000	0.81	q	Q	|	|	|	|		38+50	0.0000	0.80	q	Q	|	|	|	|
33+45	0.0000	0.81	q	Q	|	|	|	|		38+55	0.0000	0.80	q	Q	|	|	|	|
33+50	0.0000	0.81	q	Q	|	|	|	|		39+ 0	0.0000	0.80	q	Q	|	|	|	|
33+55	0.0000	0.81	q	Q	|	|	|	|		39+ 5	0.0000	0.80	q	Q	|	|	|	|

39+10	0.0000	0.80	q	Q	|	|	|	|		44+20	0.0000	0.79	q	Q	|	|	|	|
39+15	0.0000	0.80	q	Q	|	|	|	|		44+25	0.0000	0.79	q	Q	|	|	|	|
39+20	0.0000	0.80	q	Q	|	|	|	|		44+30	0.0000	0.79	q	Q	|	|	|	|
39+25	0.0000	0.80	q	Q	|	|	|	|		44+35	0.0000	0.79	q	Q	|	|	|	|
39+30	0.0000	0.80	q	Q	|	|	|	|		44+40	0.0000	0.78	q	Q	|	|	|	|
39+35	0.0000	0.80	q	Q	|	|	|	|		44+45	0.0000	0.78	q	Q	|	|	|	|
39+40	0.0000	0.80	q	Q	|	|	|	|		44+50	0.0000	0.78	q	Q	|	|	|	|
39+45	0.0000	0.80	q	Q	|	|	|	|		44+55	0.0000	0.78	q	Q	|	|	|	|
39+50	0.0000	0.80	q	Q	|	|	|	|		45+ 0	0.0000	0.78	q	Q	|	|	|	|
39+55	0.0000	0.80	q	Q	|	|	|	|		45+ 5	0.0000	0.78	q	Q	|	|	|	|
40+ 0	0.0000	0.80	q	Q	|	|	|	|		45+10	0.0000	0.78	q	Q	|	|	|	|
40+ 5	0.0000	0.80	q	Q	|	|	|	|		45+15	0.0000	0.78	q	Q	|	|	|	|
40+10	0.0000	0.80	q	Q	|	|	|	|		45+20	0.0000	0.78	q	Q	|	|	|	|
40+15	0.0000	0.80	q	Q	|	|	|	|		45+25	0.0000	0.78	q	Q	|	|	|	|
40+20	0.0000	0.80	q	Q	|	|	|	|		45+30	0.0000	0.78	q	Q	|	|	|	|
40+25	0.0000	0.79	q	Q	|	|	|	|		45+35	0.0000	0.78	q	Q	|	|	|	|
40+30	0.0000	0.79	q	Q	|	|	|	|		45+40	0.0000	0.78	q	Q	|	|	|	|
40+35	0.0000	0.79	q	Q	|	|	|	|		45+45	0.0000	0.78	q	Q	|	|	|	|
40+40	0.0000	0.79	q	Q	|	|	|	|		45+50	0.0000	0.78	q	Q	|	|	|	|
40+45	0.0000	0.79	q	Q	|	|	|	|		45+55	0.0000	0.78	q	Q	|	|	|	|
40+50	0.0000	0.79	q	Q	|	|	|	|		46+ 0	0.0000	0.78	q	Q	|	|	|	|
40+55	0.0000	0.79	q	Q	|	|	|	|		46+ 5	0.0000	0.78	q	Q	|	|	|	|
41+ 0	0.0000	0.79	q	Q	|	|	|	|		46+10	0.0000	0.78	q	Q	|	|	|	|
41+ 5	0.0000	0.79	q	Q	|	|	|	|		46+15	0.0000	0.78	q	Q	|	|	|	|
41+10	0.0000	0.79	q	Q	|	|	|	|		46+20	0.0000	0.78	q	Q	|	|	|	|
41+15	0.0000	0.79	q	Q	|	|	|	|		46+25	0.0000	0.78	q	Q	|	|	|	|
41+20	0.0000	0.79	q	Q	|	|	|	|		46+30	0.0000	0.78	q	Q	|	|	|	|
41+25	0.0000	0.79	q	Q	|	|	|	|		46+35	0.0000	0.78	q	Q	|	|	|	|
41+30	0.0000	0.79	q	Q	|	|	|	|		46+40	0.0000	0.78	q	Q	|	|	|	|
41+35	0.0000	0.79	q	Q	|	|	|	|		46+45	0.0000	0.78	q	Q	|	|	|	|
41+40	0.0000	0.79	q	Q	|	|	|	|		46+50	0.0000	0.78	q	Q	|	|	|	|
41+45	0.0000	0.79	q	Q	|	|	|	|		46+55	0.0000	0.78	q	Q	|	|	|	|
41+50	0.0000	0.79	q	Q	|	|	|	|		47+ 0	0.0000	0.78	q	Q	|	|	|	|
41+55	0.0000	0.79	q	Q	|	|	|	|		47+ 5	0.0000	0.78	q	Q	|	|	|	|
42+ 0	0.0000	0.79	q	Q	|	|	|	|		47+10	0.0000	0.78	q	Q	|	|	|	|
42+ 5	0.0000	0.79	q	Q	|	|	|	|		47+15	0.0000	0.78	q	Q	|	|	|	|
42+10	0.0000	0.79	q	Q	|	|	|	|		47+20	0.0000	0.78	q	Q	|	|	|	|
42+15	0.0000	0.79	q	Q	|	|	|	|		47+25	0.0000	0.78	q	Q	|	|	|	|
42+20	0.0000	0.79	q	Q	|	|	|	|		47+30	0.0000	0.78	q	Q	|	|	|	|
42+25	0.0000	0.79	q	Q	|	|	|	|		47+35	0.0000	0.78	q	Q	|	|	|	|
42+30	0.0000	0.79	q	Q	|	|	|	|		47+40	0.0000	0.78	q	Q	|	|	|	|
42+35	0.0000	0.79	q	Q	|	|	|	|		47+45	0.0000	0.78	q	Q	|	|	|	|
42+40	0.0000	0.79	q	Q	|	|	|	|		47+50	0.0000	0.78	q	Q	|	|	|	|
42+45	0.0000	0.79	q	Q	|	|	|	|		47+55	0.0000	0.78	q	Q	|	|	|	|
42+50	0.0000	0.79	q	Q	|	|	|	|		48+ 0	0.0000	0.78	q	Q	|	|	|	|
42+55	0.0000	0.79	q	Q	|	|	|	|		48+ 5	0.0000	0.78	q	Q	|	|	|	|
43+ 0	0.0000	0.79	q	Q	|	|	|	|		48+10	0.0000	0.78	q	Q	|	|	|	|
43+ 5	0.0000	0.79	q	Q	|	|	|	|		48+15	0.0000	0.78	q	Q	|	|	|	|
43+10	0.0000	0.79	q	Q	|	|	|	|		48+20	0.0000	0.78	q	Q	|	|	|	|
43+15	0.0000	0.79	q	Q	|	|	|	|		48+25	0.0000	0.78	q	Q	|	|	|	|
43+20	0.0000	0.79	q	Q	|	|	|	|		48+30	0.0000	0.78	q	Q	|	|	|	|
43+25	0.0000	0.79	q	Q	|	|	|	|		48+35	0.0000	0.78	q	Q	|	|	|	|
43+30	0.0000	0.79	q	Q	|	|	|	|		48+40	0.0000	0.78	q	Q	|	|	|	|
43+35	0.0000	0.79	q	Q	|	|	|	|		48+45	0.0000	0.78	q	Q	|	|	|	|
43+40	0.0000	0.79	q	Q	|	|	|	|		48+50	0.0000	0.78	q	Q	|	|	|	|
43+45	0.0000	0.79	q	Q	|	|	|	|		48+55	0.0000	0.77	q	Q	|	|	|	|
43+50	0.0000	0.79	q	Q	|	|	|	|		49+ 0	0.0000	0.77	q	Q	|	|	|	|
43+55	0.0000	0.79	q	Q	|	|	|	|		49+ 5	0.0000	0.77	q	Q	|	|	|	|
44+ 0	0.0000	0.79	q	Q	|	|	|	|		49+10	0.0000	0.77	q	Q	|	|	|	|
44+ 5	0.0000	0.79	q	Q	|	|	|	|		49+15	0.0000	0.77	q	Q	|	|	|	|
44+10	0.0000	0.79	q	Q	|	|	|	|		49+20	0.0000	0.77	q	Q	|	|	|	|
44+15	0.0000	0.79	q	Q	|	|	|	|		49+25	0.0000	0.77	q	Q	|	|	|	|

49+30	0.0000	0.77	q	Q	|	|	|	|		54+40	0.0000	0.76	q	Q	|	|	|	|
49+35	0.0000	0.77	q	Q	|	|	|	|		54+45	0.0000	0.76	q	Q	|	|	|	|
49+40	0.0000	0.77	q	Q	|	|	|	|		54+50	0.0000	0.76	q	Q	|	|	|	|
49+45	0.0000	0.77	q	Q	|	|	|	|		54+55	0.0000	0.76	q	Q	|	|	|	|
49+50	0.0000	0.77	q	Q	|	|	|	|		55+ 0	0.0000	0.76	q	Q	|	|	|	|
49+55	0.0000	0.77	q	Q	|	|	|	|		55+ 5	0.0000	0.76	q	Q	|	|	|	|
50+ 0	0.0000	0.77	q	Q	|	|	|	|		55+10	0.0000	0.76	q	Q	|	|	|	|
50+ 5	0.0000	0.77	q	Q	|	|	|	|		55+15	0.0000	0.76	q	Q	|	|	|	|
50+10	0.0000	0.77	q	Q	|	|	|	|		55+20	0.0000	0.76	q	Q	|	|	|	|
50+15	0.0000	0.77	q	Q	|	|	|	|		55+25	0.0000	0.76	q	Q	|	|	|	|
50+20	0.0000	0.77	q	Q	|	|	|	|		55+30	0.0000	0.76	q	Q	|	|	|	|
50+25	0.0000	0.77	q	Q	|	|	|	|		55+35	0.0000	0.76	q	Q	|	|	|	|
50+30	0.0000	0.77	q	Q	|	|	|	|		55+40	0.0000	0.76	q	Q	|	|	|	|
50+35	0.0000	0.77	q	Q	|	|	|	|		55+45	0.0000	0.76	q	Q	|	|	|	|
50+40	0.0000	0.77	q	Q	|	|	|	|		55+50	0.0000	0.76	q	Q	|	|	|	|
50+45	0.0000	0.77	q	Q	|	|	|	|		55+55	0.0000	0.76	q	Q	|	|	|	|
50+50	0.0000	0.77	q	Q	|	|	|	|		56+ 0	0.0000	0.76	q	Q	|	|	|	|
50+55	0.0000	0.77	q	Q	|	|	|	|		56+ 5	0.0000	0.76	q	Q	|	|	|	|
51+ 0	0.0000	0.77	q	Q	|	|	|	|		56+10	0.0000	0.76	q	Q	|	|	|	|
51+ 5	0.0000	0.77	q	Q	|	|	|	|		56+15	0.0000	0.76	q	Q	|	|	|	|
51+10	0.0000	0.77	q	Q	|	|	|	|		56+20	0.0000	0.76	q	Q	|	|	|	|
51+15	0.0000	0.77	q	Q	|	|	|	|		56+25	0.0000	0.76	q	Q	|	|	|	|
51+20	0.0000	0.77	q	Q	|	|	|	|		56+30	0.0000	0.76	q	Q	|	|	|	|
51+25	0.0000	0.77	q	Q	|	|	|	|		56+35	0.0000	0.76	q	Q	|	|	|	|
51+30	0.0000	0.77	q	Q	|	|	|	|		56+40	0.0000	0.76	q	Q	|	|	|	|
51+35	0.0000	0.77	q	Q	|	|	|	|		56+45	0.0000	0.76	q	Q	|	|	|	|
51+40	0.0000	0.77	q	Q	|	|	|	|		56+50	0.0000	0.76	q	Q	|	|	|	|
51+45	0.0000	0.77	q	Q	|	|	|	|		56+55	0.0000	0.76	q	Q	|	|	|	|
51+50	0.0000	0.77	q	Q	|	|	|	|		57+ 0	0.0000	0.75	q	Q	|	|	|	|
51+55	0.0000	0.77	q	Q	|	|	|	|		57+ 5	0.0000	0.75	q	Q	|	|	|	|
52+ 0	0.0000	0.77	q	Q	|	|	|	|		57+10	0.0000	0.75	q	Q	|	|	|	|
52+ 5	0.0000	0.77	q	Q	|	|	|	|		57+15	0.0000	0.75	q	Q	|	|	|	|
52+10	0.0000	0.77	q	Q	|	|	|	|		57+20	0.0000	0.75	q	Q	|	|	|	|
52+15	0.0000	0.77	q	Q	|	|	|	|		57+25	0.0000	0.75	q	Q	|	|	|	|
52+20	0.0000	0.77	q	Q	|	|	|	|		57+30	0.0000	0.75	q	Q	|	|	|	|
52+25	0.0000	0.77	q	Q	|	|	|	|		57+35	0.0000	0.75	q	Q	|	|	|	|
52+30	0.0000	0.77	q	Q	|	|	|	|		57+40	0.0000	0.75	q	Q	|	|	|	|
52+35	0.0000	0.77	q	Q	|	|	|	|		57+45	0.0000	0.75	q	Q	|	|	|	|
52+40	0.0000	0.77	q	Q	|	|	|	|		57+50	0.0000	0.75	q	Q	|	|	|	|
52+45	0.0000	0.77	q	Q	|	|	|	|		57+55	0.0000	0.75	q	Q	|	|	|	|
52+50	0.0000	0.77	q	Q	|	|	|	|		58+ 0	0.0000	0.75	q	Q	|	|	|	|
52+55	0.0000	0.77	q	Q	|	|	|	|		58+ 5	0.0000	0.75	q	Q	|	|	|	|
53+ 0	0.0000	0.77	q	Q	|	|	|	|		58+10	0.0000	0.75	q	Q	|	|	|	|
53+ 5	0.0000	0.77	q	Q	|	|	|	|		58+15	0.0000	0.75	q	Q	|	|	|	|
53+10	0.0000	0.77	q	Q	|	|	|	|		58+20	0.0000	0.75	q	Q	|	|	|	|
53+15	0.0000	0.76	q	Q	|	|	|	|		58+25	0.0000	0.75	q	Q	|	|	|	|
53+20	0.0000	0.76	q	Q	|	|	|	|		58+30	0.0000	0.75	q	Q	|	|	|	|
53+25	0.0000	0.76	q	Q	|	|	|	|		58+35	0.0000	0.75	q	Q	|	|	|	|
53+30	0.0000	0.76	q	Q	|	|	|	|		58+40	0.0000	0.75	q	Q	|	|	|	|
53+35	0.0000	0.76	q	Q	|	|	|	|		58+45	0.0000	0.75	q	Q	|	|	|	|
53+40	0.0000	0.76	q	Q	|	|	|	|		58+50	0.0000	0.75	q	Q	|	|	|	|
53+45	0.0000	0.76	q	Q	|	|	|	|		58+55	0.0000	0.75	q	Q	|	|	|	|
53+50	0.0000	0.76	q	Q	|	|	|	|		59+ 0	0.0000	0.75	q	Q	|	|	|	|
53+55	0.0000	0.76	q	Q	|	|	|	|		59+ 5	0.0000	0.75	q	Q	|	|	|	|
54+ 0	0.0000	0.76	q	Q	|	|	|	|		59+10	0.0000	0.75	q	Q	|	|	|	|
54+ 5	0.0000	0.76	q	Q	|	|	|	|		59+15	0.0000	0.75	q	Q	|	|	|	|
54+10	0.0000	0.76	q	Q	|	|	|	|		59+20	0.0000	0.75	q	Q	|	|	|	|
54+15	0.0000	0.76	q	Q	|	|	|	|		59+25	0.0000	0.75	q	Q	|	|	|	|
54+20	0.0000	0.76	q	Q	|	|	|	|		59+30	0.0000	0.75	q	Q	|	|	|	|
54+25	0.0000	0.76	q	Q	|	|	|	|		59+35	0.0000	0.75	q	Q	|	|	|	|
54+30	0.0000	0.76	q	Q	|	|	|	|		59+40	0.0000	0.75	q	Q	|	|	|	|
54+35	0.0000	0.76	q	Q	|	|	|	|		59+45	0.0000	0.75	q	Q	|	|	|	|

59+50	0.0000	0.75	q	Q	|	|	|	|	65+ 0	0.0000	0.73	q	Q	|	|	|	|
59+55	0.0000	0.75	q	Q	|	|	|	|	65+ 5	0.0000	0.73	q	Q	|	|	|	|
60+ 0	0.0000	0.75	q	Q	|	|	|	|	65+10	0.0000	0.73	q	Q	|	|	|	|
60+ 5	0.0000	0.75	q	Q	|	|	|	|	65+15	0.0000	0.73	q	Q	|	|	|	|
60+10	0.0000	0.74	q	Q	|	|	|	|	65+20	0.0000	0.73	q	Q	|	|	|	|
60+15	0.0000	0.74	q	Q	|	|	|	|	65+25	0.0000	0.73	q	Q	|	|	|	|
60+20	0.0000	0.74	q	Q	|	|	|	|	65+30	0.0000	0.73	q	Q	|	|	|	|
60+25	0.0000	0.74	q	Q	|	|	|	|	65+35	0.0000	0.73	q	Q	|	|	|	|
60+30	0.0000	0.74	q	Q	|	|	|	|	65+40	0.0000	0.73	q	Q	|	|	|	|
60+35	0.0000	0.74	q	Q	|	|	|	|	65+45	0.0000	0.73	q	Q	|	|	|	|
60+40	0.0000	0.74	q	Q	|	|	|	|	65+50	0.0000	0.73	q	Q	|	|	|	|
60+45	0.0000	0.74	q	Q	|	|	|	|	65+55	0.0000	0.73	q	Q	|	|	|	|
60+50	0.0000	0.74	q	Q	|	|	|	|	66+ 0	0.0000	0.73	q	Q	|	|	|	|
60+55	0.0000	0.74	q	Q	|	|	|	|	66+ 5	0.0000	0.73	q	Q	|	|	|	|
61+ 0	0.0000	0.74	q	Q	|	|	|	|	66+10	0.0000	0.73	q	Q	|	|	|	|
61+ 5	0.0000	0.74	q	Q	|	|	|	|	66+15	0.0000	0.73	q	Q	|	|	|	|
61+10	0.0000	0.74	q	Q	|	|	|	|	66+20	0.0000	0.73	q	Q	|	|	|	|
61+15	0.0000	0.74	q	Q	|	|	|	|	66+25	0.0000	0.73	q	Q	|	|	|	|
61+20	0.0000	0.74	q	Q	|	|	|	|	66+30	0.0000	0.73	q	Q	|	|	|	|
61+25	0.0000	0.74	q	Q	|	|	|	|	66+35	0.0000	0.73	q	Q	|	|	|	|
61+30	0.0000	0.74	q	Q	|	|	|	|	66+40	0.0000	0.73	q	Q	|	|	|	|
61+35	0.0000	0.74	q	Q	|	|	|	|	66+45	0.0000	0.72	q	Q	|	|	|	|
61+40	0.0000	0.74	q	Q	|	|	|	|	66+50	0.0000	0.72	q	Q	|	|	|	|
61+45	0.0000	0.74	q	Q	|	|	|	|	66+55	0.0000	0.72	q	Q	|	|	|	|
61+50	0.0000	0.74	q	Q	|	|	|	|	67+ 0	0.0000	0.72	q	Q	|	|	|	|
61+55	0.0000	0.74	q	Q	|	|	|	|	67+ 5	0.0000	0.72	q	Q	|	|	|	|
62+ 0	0.0000	0.74	q	Q	|	|	|	|	67+10	0.0000	0.72	q	Q	|	|	|	|
62+ 5	0.0000	0.74	q	Q	|	|	|	|	67+15	0.0000	0.72	q	Q	|	|	|	|
62+10	0.0000	0.74	q	Q	|	|	|	|	67+20	0.0000	0.72	q	Q	|	|	|	|
62+15	0.0000	0.74	q	Q	|	|	|	|	67+25	0.0000	0.72	q	Q	|	|	|	|
62+20	0.0000	0.74	q	Q	|	|	|	|	67+30	0.0000	0.72	q	Q	|	|	|	|
62+25	0.0000	0.74	q	Q	|	|	|	|	67+35	0.0000	0.72	q	Q	|	|	|	|
62+30	0.0000	0.74	q	Q	|	|	|	|	67+40	0.0000	0.72	q	Q	|	|	|	|
62+35	0.0000	0.74	q	Q	|	|	|	|	67+45	0.0000	0.72	q	Q	|	|	|	|
62+40	0.0000	0.74	q	Q	|	|	|	|	67+50	0.0000	0.72	q	Q	|	|	|	|
62+45	0.0000	0.74	q	Q	|	|	|	|	67+55	0.0000	0.72	q	Q	|	|	|	|
62+50	0.0000	0.74	q	Q	|	|	|	|	68+ 0	0.0000	0.72	q	Q	|	|	|	|
62+55	0.0000	0.74	q	Q	|	|	|	|	68+ 5	0.0000	0.72	q	Q	|	|	|	|
63+ 0	0.0000	0.74	q	Q	|	|	|	|	68+10	0.0000	0.72	q	Q	|	|	|	|
63+ 5	0.0000	0.74	q	Q	|	|	|	|	68+15	0.0000	0.72	q	Q	|	|	|	|
63+10	0.0000	0.74	q	Q	|	|	|	|	68+20	0.0000	0.72	q	Q	|	|	|	|
63+15	0.0000	0.74	q	Q	|	|	|	|	68+25	0.0000	0.72	q	Q	|	|	|	|
63+20	0.0000	0.74	q	Q	|	|	|	|	68+30	0.0000	0.72	q	Q	|	|	|	|
63+25	0.0000	0.73	q	Q	|	|	|	|	68+35	0.0000	0.72	q	Q	|	|	|	|
63+30	0.0000	0.73	q	Q	|	|	|	|	68+40	0.0000	0.72	q	Q	|	|	|	|
63+35	0.0000	0.73	q	Q	|	|	|	|	68+45	0.0000	0.72	q	Q	|	|	|	|
63+40	0.0000	0.73	q	Q	|	|	|	|	68+50	0.0000	0.72	q	Q	|	|	|	|
63+45	0.0000	0.73	q	Q	|	|	|	|	68+55	0.0000	0.72	q	Q	|	|	|	|
63+50	0.0000	0.73	q	Q	|	|	|	|	69+ 0	0.0000	0.72	q	Q	|	|	|	|
63+55	0.0000	0.73	q	Q	|	|	|	|	69+ 5	0.0000	0.72	q	Q	|	|	|	|
64+ 0	0.0000	0.73	q	Q	|	|	|	|	69+10	0.0000	0.72	q	Q	|	|	|	|
64+ 5	0.0000	0.73	q	Q	|	|	|	|	69+15	0.0000	0.72	q	Q	|	|	|	|
64+10	0.0000	0.73	q	Q	|	|	|	|	69+20	0.0000	0.72	q	Q	|	|	|	|
64+15	0.0000	0.73	q	Q	|	|	|	|	69+25	0.0000	0.72	q	Q	|	|	|	|
64+20	0.0000	0.73	q	Q	|	|	|	|	69+30	0.0000	0.72	q	Q	|	|	|	|
64+25	0.0000	0.73	q	Q	|	|	|	|	69+35	0.0000	0.72	q	Q	|	|	|	|
64+30	0.0000	0.73	q	Q	|	|	|	|	69+40	0.0000	0.72	q	Q	|	|	|	|
64+35	0.0000	0.73	q	Q	|	|	|	|	69+45	0.0000	0.72	q	Q	|	|	|	|
64+40	0.0000	0.73	q	Q	|	|	|	|	69+50	0.0000	0.72	q	Q	|	|	|	|
64+45	0.0000	0.73	q	Q	|	|	|	|	69+55	0.0000	0.72	q	Q	|	|	|	|
64+50	0.0000	0.73	q	Q	|	|	|	|	70+ 0	0.0000	0.72	q	Q	|	|	|	|
64+55	0.0000	0.73	q	Q	|	|	|	|	70+ 5	0.0000	0.71	q	Q	|	|	|	|

70+10	0.0000	0.71	q	Q	|	|	|	|	75+20	0.0000	0.70	q	Q	|	|	|	|
70+15	0.0000	0.71	q	Q	|	|	|	|	75+25	0.0000	0.70	q	Q	|	|	|	|
70+20	0.0000	0.71	q	Q	|	|	|	|	75+30	0.0000	0.70	q	Q	|	|	|	|
70+25	0.0000	0.71	q	Q	|	|	|	|	75+35	0.0000	0.70	q	Q	|	|	|	|
70+30	0.0000	0.71	q	Q	|	|	|	|	75+40	0.0000	0.70	q	Q	|	|	|	|
70+35	0.0000	0.71	q	Q	|	|	|	|	75+45	0.0000	0.70	q	Q	|	|	|	|
70+40	0.0000	0.71	q	Q	|	|	|	|	75+50	0.0000	0.70	q	Q	|	|	|	|
70+45	0.0000	0.71	q	Q	|	|	|	|	75+55	0.0000	0.70	q	Q	|	|	|	|
70+50	0.0000	0.71	q	Q	|	|	|	|	76+ 0	0.0000	0.70	q	Q	|	|	|	|
70+55	0.0000	0.71	q	Q	|	|	|	|	76+ 5	0.0000	0.70	q	Q	|	|	|	|
71+ 0	0.0000	0.71	q	Q	|	|	|	|	76+10	0.0000	0.70	q	Q	|	|	|	|
71+ 5	0.0000	0.71	q	Q	|	|	|	|	76+15	0.0000	0.70	q	Q	|	|	|	|
71+10	0.0000	0.71	q	Q	|	|	|	|	76+20	0.0000	0.70	q	Q	|	|	|	|
71+15	0.0000	0.71	q	Q	|	|	|	|	76+25	0.0000	0.69	q	Q	|	|	|	|
71+20	0.0000	0.71	q	Q	|	|	|	|	76+30	0.0000	0.69	q	Q	|	|	|	|
71+25	0.0000	0.71	q	Q	|	|	|	|	76+35	0.0000	0.69	q	Q	|	|	|	|
71+30	0.0000	0.71	q	Q	|	|	|	|	76+40	0.0000	0.69	q	Q	|	|	|	|
71+35	0.0000	0.71	q	Q	|	|	|	|	76+45	0.0000	0.69	q	Q	|	|	|	|
71+40	0.0000	0.71	q	Q	|	|	|	|	76+50	0.0000	0.69	q	Q	|	|	|	|
71+45	0.0000	0.71	q	Q	|	|	|	|	76+55	0.0000	0.69	q	Q	|	|	|	|
71+50	0.0000	0.71	q	Q	|	|	|	|	77+ 0	0.0000	0.69	q	Q	|	|	|	|
71+55	0.0000	0.71	q	Q	|	|	|	|	77+ 5	0.0000	0.69	q	Q	|	|	|	|
72+ 0	0.0000	0.71	q	Q	|	|	|	|	77+10	0.0000	0.69	q	Q	|	|	|	|
72+ 5	0.0000	0.71	q	Q	|	|	|	|	77+15	0.0000	0.69	q	Q	|	|	|	|
72+10	0.0000	0.71	q	Q	|	|	|	|	77+20	0.0000	0.69	q	Q	|	|	|	|
72+15	0.0000	0.71	q	Q	|	|	|	|	77+25	0.0000	0.69	q	Q	|	|	|	|
72+20	0.0000	0.71	q	Q	|	|	|	|	77+30	0.0000	0.69	q	Q	|	|	|	|
72+25	0.0000	0.71	q	Q	|	|	|	|	77+35	0.0000	0.69	q	Q	|	|	|	|
72+30	0.0000	0.71	q	Q	|	|	|	|	77+40	0.0000	0.69	q	Q	|	|	|	|
72+35	0.0000	0.71	q	Q	|	|	|	|	77+45	0.0000	0.69	q	Q	|	|	|	|
72+40	0.0000	0.71	q	Q	|	|	|	|	77+50	0.0000	0.69	q	Q	|	|	|	|
72+45	0.0000	0.71	q	Q	|	|	|	|	77+55	0.0000	0.69	q	Q	|	|	|	|
72+50	0.0000	0.71	q	Q	|	|	|	|	78+ 0	0.0000	0.69	q	Q	|	|	|	|
72+55	0.0000	0.71	q	Q	|	|	|	|	78+ 5	0.0000	0.69	q	Q	|	|	|	|
73+ 0	0.0000	0.71	q	Q	|	|	|	|	78+10	0.0000	0.69	q	Q	|	|	|	|
73+ 5	0.0000	0.71	q	Q	|	|	|	|	78+15	0.0000	0.69	q	Q	|	|	|	|
73+10	0.0000	0.71	q	Q	|	|	|	|	78+20	0.0000	0.69	q	Q	|	|	|	|
73+15	0.0000	0.71	q	Q	|	|	|	|	78+25	0.0000	0.69	q	Q	|	|	|	|
73+20	0.0000	0.70	q	Q	|	|	|	|	78+30	0.0000	0.69	q	Q	|	|	|	|
73+25	0.0000	0.70	q	Q	|	|	|	|	78+35	0.0000	0.69	q	Q	|	|	|	|
73+30	0.0000	0.70	q	Q	|	|	|	|	78+40	0.0000	0.69	q	Q	|	|	|	|
73+35	0.0000	0.70	q	Q	|	|	|	|	78+45	0.0000	0.69	q	Q	|	|	|	|
73+40	0.0000	0.70	q	Q	|	|	|	|	78+50	0.0000	0.69	q	Q	|	|	|	|
73+45	0.0000	0.70	q	Q	|	|	|	|	78+55	0.0000	0.69	q	Q	|	|	|	|
73+50	0.0000	0.70	q	Q	|	|	|	|	79+ 0	0.0000	0.69	q	Q	|	|	|	|
73+55	0.0000	0.70	q	Q	|	|	|	|	79+ 5	0.0000	0.69	q	Q	|	|	|	|
74+ 0	0.0000	0.70	q	Q	|	|	|	|	79+10	0.0000	0.69	q	Q	|	|	|	|
74+ 5	0.0000	0.70	q	Q	|	|	|	|	79+15	0.0000	0.69	q	Q	|	|	|	|
74+10	0.0000	0.70	q	Q	|	|	|	|	79+20	0.0000	0.69	q	Q	|	|	|	|
74+15	0.0000	0.70	q	Q	|	|	|	|	79+25	0.0000	0.69	q	Q	|	|	|	|
74+20	0.0000	0.70	q	Q	|	|	|	|	79+30	0.0000	0.69	q	Q	|	|	|	|
74+25	0.0000	0.70	q	Q	|	|	|	|	79+35	0.0000	0.68	q	Q	|	|	|	|
74+30	0.0000	0.70	q	Q	|	|	|	|	79+40	0.0000	0.68	q	Q	|	|	|	|
74+35	0.0000	0.70	q	Q	|	|	|	|	79+45	0.0000	0.68	q	Q	|	|	|	|
74+40	0.0000	0.70	q	Q	|	|	|	|	79+50	0.0000	0.68	q	Q	|	|	|	|
74+45	0.0000	0.70	q	Q	|	|	|	|	79+55	0.0000	0.68	q	Q	|	|	|	|
74+50	0.0000	0.70	q	Q	|	|	|	|	80+ 0	0.0000	0.68	q	Q	|	|	|	|
74+55	0.0000	0.70	q	Q	|	|	|	|	80+ 5	0.0000	0.68	q	Q	|	|	|	|
75+ 0	0.0000	0.70	q	Q	|	|	|	|	80+10	0.0000	0.68	q	Q	|	|	|	|
75+ 5	0.0000	0.70	q	Q	|	|	|	|	80+15	0.0000	0.68	q	Q	|	|	|	|
75+10	0.0000	0.70	q	Q	|	|	|	|	80+20	0.0000	0.68	q	Q	|	|	|	|
75+15	0.0000	0.70	q	Q	|	|	|	|	80+25	0.0000	0.68	q	Q	|	|	|	|

80+30	0.0000	0.68	q	Q					85+40	0.0000	0.67	q	Q				
80+35	0.0000	0.68	q	Q					85+45	0.0000	0.67	q	Q				
80+40	0.0000	0.68	q	Q					85+50	0.0000	0.67	q	Q				
80+45	0.0000	0.68	q	Q					85+55	0.0000	0.67	q	Q				
80+50	0.0000	0.68	q	Q					86+ 0	0.0000	0.66	q	Q				
80+55	0.0000	0.68	q	Q					86+ 5	0.0000	0.66	q	Q				
81+ 0	0.0000	0.68	q	Q					86+10	0.0000	0.66	q	Q				
81+ 5	0.0000	0.68	q	Q					86+15	0.0000	0.66	q	Q				
81+10	0.0000	0.68	q	Q					86+20	0.0000	0.66	q	Q				
81+15	0.0000	0.68	q	Q					86+25	0.0000	0.66	q	Q				
81+20	0.0000	0.68	q	Q					86+30	0.0000	0.66	q	Q				
81+25	0.0000	0.68	q	Q					86+35	0.0000	0.66	q	Q				
81+30	0.0000	0.68	q	Q					86+40	0.0000	0.66	q	Q				
81+35	0.0000	0.68	q	Q					86+45	0.0000	0.66	q	Q				
81+40	0.0000	0.68	q	Q					86+50	0.0000	0.66	q	Q				
81+45	0.0000	0.68	q	Q					86+55	0.0000	0.66	q	Q				
81+50	0.0000	0.68	q	Q					87+ 0	0.0000	0.66	q	Q				
81+55	0.0000	0.68	q	Q					87+ 5	0.0000	0.66	q	Q				
82+ 0	0.0000	0.68	q	Q					87+10	0.0000	0.66	q	Q				
82+ 5	0.0000	0.68	q	Q					87+15	0.0000	0.66	q	Q				
82+10	0.0000	0.68	q	Q					87+20	0.0000	0.66	q	Q				
82+15	0.0000	0.68	q	Q					87+25	0.0000	0.66	q	Q				
82+20	0.0000	0.68	q	Q					87+30	0.0000	0.66	q	Q				
82+25	0.0000	0.68	q	Q					87+35	0.0000	0.66	q	Q				
82+30	0.0000	0.68	q	Q					87+40	0.0000	0.66	q	Q				
82+35	0.0000	0.68	q	Q					87+45	0.0000	0.66	q	Q				
82+40	0.0000	0.68	q	Q					87+50	0.0000	0.66	q	Q				
82+45	0.0000	0.67	q	Q					87+55	0.0000	0.66	q	Q				
82+50	0.0000	0.67	q	Q					88+ 0	0.0000	0.66	q	Q				
82+55	0.0000	0.67	q	Q					88+ 5	0.0000	0.66	q	Q				
83+ 0	0.0000	0.67	q	Q					88+10	0.0000	0.66	q	Q				
83+ 5	0.0000	0.67	q	Q					88+15	0.0000	0.66	q	Q				
83+10	0.0000	0.67	q	Q					88+20	0.0000	0.66	q	Q				
83+15	0.0000	0.67	q	Q					88+25	0.0000	0.66	q	Q				
83+20	0.0000	0.67	q	Q					88+30	0.0000	0.66	q	Q				
83+25	0.0000	0.67	q	Q					88+35	0.0000	0.66	q	Q				
83+30	0.0000	0.67	q	Q					88+40	0.0000	0.66	q	Q				
83+35	0.0000	0.67	q	Q					88+45	0.0000	0.66	q	Q				
83+40	0.0000	0.67	q	Q					88+50	0.0000	0.65	q	Q				
83+45	0.0000	0.67	q	Q					88+55	0.0000	0.65	q	Q				
83+50	0.0000	0.67	q	Q					89+ 0	0.0000	0.65	q	Q				
83+55	0.0000	0.67	q	Q					89+ 5	0.0000	0.65	q	Q				
84+ 0	0.0000	0.67	q	Q					89+10	0.0000	0.65	q	Q				
84+ 5	0.0000	0.67	q	Q					89+15	0.0000	0.65	q	Q				
84+10	0.0000	0.67	q	Q					89+20	0.0000	0.65	q	Q				
84+15	0.0000	0.67	q	Q					89+25	0.0000	0.65	q	Q				
84+20	0.0000	0.67	q	Q					89+30	0.0000	0.65	q	Q				
84+25	0.0000	0.67	q	Q					89+35	0.0000	0.65	q	Q				
84+30	0.0000	0.67	q	Q					89+40	0.0000	0.65	q	Q				
84+35	0.0000	0.67	q	Q					89+45	0.0000	0.65	q	Q				
84+40	0.0000	0.67	q	Q					89+50	0.0000	0.65	q	Q				
84+45	0.0000	0.67	q	Q					89+55	0.0000	0.65	q	Q				
84+50	0.0000	0.67	q	Q					90+ 0	0.0000	0.65	q	Q				
84+55	0.0000	0.67	q	Q					90+ 5	0.0000	0.65	q	Q				
85+ 0	0.0000	0.67	q	Q					90+10	0.0000	0.65	q	Q				
85+ 5	0.0000	0.67	q	Q					90+15	0.0000	0.65	q	Q				
85+10	0.0000	0.67	q	Q					90+20	0.0000	0.65	q	Q				
85+15	0.0000	0.67	q	Q					90+25	0.0000	0.65	q	Q				
85+20	0.0000	0.67	q	Q					90+30	0.0000	0.65	q	Q				
85+25	0.0000	0.67	q	Q					90+35	0.0000	0.65	q	Q				
85+30	0.0000	0.67	q	Q					90+40	0.0000	0.65	q	Q				
85+35	0.0000	0.67	q	Q					90+45	0.0000	0.65	q	Q				

90+50	0.0000	0.65	q	Q					96+ 0	0.0000	0.63	q	Q				
90+55	0.0000	0.65	q	Q					96+ 5	0.0000	0.63	q	Q				
91+ 0	0.0000	0.65	q	Q					96+10	0.0000	0.63	q	Q				
91+ 5	0.0000	0.65	q	Q					96+15	0.0000	0.63	q	Q				
91+10	0.0000	0.65	q	Q					96+20	0.0000	0.63	q	Q				
91+15	0.0000	0.65	q	Q					96+25	0.0000	0.62	q	Q				
91+20	0.0000	0.64	q	Q					96+30	0.0000	0.62	q	Q				
91+25	0.0000	0.64	q	Q					96+35	0.0000	0.62	q	Q				
91+30	0.0000	0.64	q	Q					96+40	0.0000	0.62	q	Q				
91+35	0.0000	0.64	q	Q					96+45	0.0000	0.62	q	Q				
91+40	0.0000	0.64	q	Q					96+50	0.0000	0.62	q	Q				
91+45	0.0000	0.64	q	Q					96+55	0.0000	0.62	q	Q				
91+50	0.0000	0.64	q	Q					97+ 0	0.0000	0.62	q	Q				
91+55	0.0000	0.64	q	Q					97+ 5	0.0000	0.62	q	Q				
92+ 0	0.0000	0.64	q	Q					97+10	0.0000	0.62	q	Q				
92+ 5	0.0000	0.64	q	Q					97+15	0.0000	0.62	q	Q				
92+10	0.0000	0.64	q	Q					97+20	0.0000	0.62	q	Q				
92+15	0.0000	0.64	q	Q					97+25	0.0000	0.62	q	Q				
92+20	0.0000	0.64	q	Q					97+30	0.0000	0.62	q	Q				
92+25	0.0000	0.64	q	Q					97+35	0.0000	0.62	q	Q				
92+30	0.0000	0.64	q	Q					97+40	0.0000	0.62	q	Q				
92+35	0.0000	0.64	q	Q					97+45	0.0000	0.62	q	Q				
92+40	0.0000	0.64	q	Q					97+50	0.0000	0.62	q	Q				
92+45	0.0000	0.64	q	Q					97+55	0.0000	0.62	q	Q				
92+50	0.0000	0.64	q	Q					98+ 0	0.0000	0.62	q	Q				
92+55	0.0000	0.64	q	Q					98+ 5	0.0000	0.62	q	Q				
93+ 0	0.0000	0.64	q	Q					98+10	0.0000	0.62	q	Q				
93+ 5	0.0000	0.64	q	Q					98+15	0.0000	0.62	q	Q				
93+10	0.0000	0.64	q	Q					98+20	0.0000	0.62	q	Q				
93+15	0.0000	0.64	q	Q					98+25	0.0000	0.62	q	Q				
93+20	0.0000	0.64	q	Q					98+30	0.0000	0.62	q	Q				
93+25	0.0000	0.64	q	Q					98+35	0.0000	0.62	q	Q				
93+30	0.0000	0.64	q	Q					98+40	0.0000	0.62	q	Q				
93+35	0.0000	0.64	q	Q					98+45	0.0000	0.62	q	Q				
93+40	0.0000	0.64	q	Q					98+50	0.0000	0.62	q	Q				
93+45	0.0000	0.64	q	Q					98+55	0.0000	0.62	q	Q				
93+50	0.0000	0.63	q	Q					99+ 0	0.0000	0.61	q	Q				
93+55	0.0000	0.63	q	Q					99+ 5	0.0000	0.61	q	Q				
94+ 0	0.0000	0.63	q	Q					99+10	0.0000	0.61	q	Q				
94+ 5	0.0000	0.63	q	Q					99+15	0.0000	0.61	q	Q				
94+10	0.0000	0.63	q	Q					99+20	0.0000	0.61	q	Q				
94+15	0.0000	0.63	q	Q					99+25	0.0000	0.61	q	Q				
94+20	0.0000	0.63	q	Q					99+30	0.0000	0.61	q	Q				
94+25	0.0000	0.63	q	Q					99+35	0.0000	0.61	q	Q				
94+30	0.0000	0.63	q	Q					99+40	0.0000	0.61	q	Q				
94+35	0.0000	0.63	q	Q					99+45	0.0000	0.61	q	Q				
94+40	0.0000	0.63	q	Q					99+50	0.0000	0.61	q	Q				
94+45	0.0000	0.63	q	Q					99+55	0.0000	0.61	q	Q				
94+50	0.0000	0.63	q	Q					100+ 0	0.0000	0.61	q	Q				
94+55	0.0000	0.63	q	Q					100+ 5	0.0000	0.61	q	Q				
95+ 0	0.0000	0.63	q	Q					100+10	0.0000	0.61	q	Q				
95+ 5	0.0000	0.63	q	Q					100+15	0.0000	0.61	q	Q				
95+10	0.0000	0.63	q	Q					100+20	0.0000	0.61	q	Q				
95+15	0.0000	0.63	q	Q					100+25	0.0000	0.61	q	Q				
95+20	0.0000	0.63	q	Q					100+30	0.0000	0.61	q	Q				
95+25	0.0000	0.63	q	Q					100+35	0.0000	0.61	q	Q				
95+30	0.0000	0.63	q	Q					100+40	0.0000	0.61	q	Q				
95+35	0.0000	0.63	q	Q					100+45	0.0000	0.61	q	Q				
95+40	0.0000	0.63	q	Q					100+50	0.0000	0.61	q	Q				
95+45	0.0000	0.63	q	Q					100+55	0.0000	0.61	q	Q				
95+50	0.0000	0.63	q	Q					101+ 0	0.0000	0.61	q	Q				
95+55	0.0000	0.63	q	Q					101+ 5	0.0000	0.61	q	Q				

101+10	0.0000	0.61	q	Q	|	|	|	|	106+20	0.0000	0.58	q	Q	|	|	|	|
101+15	0.0000	0.61	q	Q	|	|	|	|	106+25	0.0000	0.58	q	Q	|	|	|	|
101+20	0.0000	0.61	q	Q	|	|	|	|	106+30	0.0000	0.58	q	Q	|	|	|	|
101+25	0.0000	0.61	q	Q	|	|	|	|	106+35	0.0000	0.58	q	Q	|	|	|	|
101+30	0.0000	0.61	q	Q	|	|	|	|	106+40	0.0000	0.58	q	Q	|	|	|	|
101+35	0.0000	0.61	q	Q	|	|	|	|	106+45	0.0000	0.58	q	Q	|	|	|	|
101+40	0.0000	0.60	q	Q	|	|	|	|	106+50	0.0000	0.58	q	Q	|	|	|	|
101+45	0.0000	0.60	q	Q	|	|	|	|	106+55	0.0000	0.58	q	Q	|	|	|	|
101+50	0.0000	0.60	q	Q	|	|	|	|	107+ 0	0.0000	0.58	q	Q	|	|	|	|
101+55	0.0000	0.60	q	Q	|	|	|	|	107+ 5	0.0000	0.58	q	Q	|	|	|	|
102+ 0	0.0000	0.60	q	Q	|	|	|	|	107+10	0.0000	0.58	q	Q	|	|	|	|
102+ 5	0.0000	0.60	q	Q	|	|	|	|	107+15	0.0000	0.58	q	Q	|	|	|	|
102+10	0.0000	0.60	q	Q	|	|	|	|	107+20	0.0000	0.58	q	Q	|	|	|	|
102+15	0.0000	0.60	q	Q	|	|	|	|	107+25	0.0000	0.58	q	Q	|	|	|	|
102+20	0.0000	0.60	q	Q	|	|	|	|	107+30	0.0000	0.58	q	Q	|	|	|	|
102+25	0.0000	0.60	q	Q	|	|	|	|	107+35	0.0000	0.58	q	Q	|	|	|	|
102+30	0.0000	0.60	q	Q	|	|	|	|	107+40	0.0000	0.58	q	Q	|	|	|	|
102+35	0.0000	0.60	q	Q	|	|	|	|	107+45	0.0000	0.58	q	Q	|	|	|	|
102+40	0.0000	0.60	q	Q	|	|	|	|	107+50	0.0000	0.58	q	Q	|	|	|	|
102+45	0.0000	0.60	q	Q	|	|	|	|	107+55	0.0000	0.58	q	Q	|	|	|	|
102+50	0.0000	0.60	q	Q	|	|	|	|	108+ 0	0.0000	0.58	q	Q	|	|	|	|
102+55	0.0000	0.60	q	Q	|	|	|	|	108+ 5	0.0000	0.58	q	Q	|	|	|	|
103+ 0	0.0000	0.60	q	Q	|	|	|	|	108+10	0.0000	0.58	q	Q	|	|	|	|
103+ 5	0.0000	0.60	q	Q	|	|	|	|	108+15	0.0000	0.57	q	Q	|	|	|	|
103+10	0.0000	0.60	q	Q	|	|	|	|	108+20	0.0000	0.57	q	Q	|	|	|	|
103+15	0.0000	0.60	q	Q	|	|	|	|	108+25	0.0000	0.57	q	Q	|	|	|	|
103+20	0.0000	0.60	q	Q	|	|	|	|	108+30	0.0000	0.57	q	Q	|	|	|	|
103+25	0.0000	0.60	q	Q	|	|	|	|	108+35	0.0000	0.57	q	Q	|	|	|	|
103+30	0.0000	0.60	q	Q	|	|	|	|	108+40	0.0000	0.57	q	Q	|	|	|	|
103+35	0.0000	0.60	q	Q	|	|	|	|	108+45	0.0000	0.57	q	Q	|	|	|	|
103+40	0.0000	0.60	q	Q	|	|	|	|	108+50	0.0000	0.57	q	Q	|	|	|	|
103+45	0.0000	0.60	q	Q	|	|	|	|	108+55	0.0000	0.57	q	Q	|	|	|	|
103+50	0.0000	0.60	q	Q	|	|	|	|	109+ 0	0.0000	0.57	q	Q	|	|	|	|
103+55	0.0000	0.60	q	Q	|	|	|	|	109+ 5	0.0000	0.57	q	Q	|	|	|	|
104+ 0	0.0000	0.59	q	Q	|	|	|	|	109+10	0.0000	0.57	q	Q	|	|	|	|
104+ 5	0.0000	0.59	q	Q	|	|	|	|	109+15	0.0000	0.57	q	Q	|	|	|	|
104+10	0.0000	0.59	q	Q	|	|	|	|	109+20	0.0000	0.57	q	Q	|	|	|	|
104+15	0.0000	0.59	q	Q	|	|	|	|	109+25	0.0000	0.57	q	Q	|	|	|	|
104+20	0.0000	0.59	q	Q	|	|	|	|	109+30	0.0000	0.57	q	Q	|	|	|	|
104+25	0.0000	0.59	q	Q	|	|	|	|	109+35	0.0000	0.57	q	Q	|	|	|	|
104+30	0.0000	0.59	q	Q	|	|	|	|	109+40	0.0000	0.57	q	Q	|	|	|	|
104+35	0.0000	0.59	q	Q	|	|	|	|	109+45	0.0000	0.57	q	Q	|	|	|	|
104+40	0.0000	0.59	q	Q	|	|	|	|	109+50	0.0000	0.57	q	Q	|	|	|	|
104+45	0.0000	0.59	q	Q	|	|	|	|	109+55	0.0000	0.57	q	Q	|	|	|	|
104+50	0.0000	0.59	q	Q	|	|	|	|	110+ 0	0.0000	0.57	q	Q	|	|	|	|
104+55	0.0000	0.59	q	Q	|	|	|	|	110+ 5	0.0000	0.57	q	Q	|	|	|	|
105+ 0	0.0000	0.59	q	Q	|	|	|	|	110+10	0.0000	0.57	q	Q	|	|	|	|
105+ 5	0.0000	0.59	q	Q	|	|	|	|	110+15	0.0000	0.57	q	Q	|	|	|	|
105+10	0.0000	0.59	q	Q	|	|	|	|	110+20	0.0000	0.57	q	Q	|	|	|	|
105+15	0.0000	0.59	q	Q	|	|	|	|	110+25	0.0000	0.56	q	Q	|	|	|	|
105+20	0.0000	0.59	q	Q	|	|	|	|	110+30	0.0000	0.56	q	Q	|	|	|	|
105+25	0.0000	0.59	q	Q	|	|	|	|	110+35	0.0000	0.56	q	Q	|	|	|	|
105+30	0.0000	0.59	q	Q	|	|	|	|	110+40	0.0000	0.56	q	Q	|	|	|	|
105+35	0.0000	0.59	q	Q	|	|	|	|	110+45	0.0000	0.56	q	Q	|	|	|	|
105+40	0.0000	0.59	q	Q	|	|	|	|	110+50	0.0000	0.56	q	Q	|	|	|	|
105+45	0.0000	0.59	q	Q	|	|	|	|	110+55	0.0000	0.56	q	Q	|	|	|	|
105+50	0.0000	0.59	q	Q	|	|	|	|	111+ 0	0.0000	0.56	q	Q	|	|	|	|
105+55	0.0000	0.59	q	Q	|	|	|	|	111+ 5	0.0000	0.56	q	Q	|	|	|	|
106+ 0	0.0000	0.59	q	Q	|	|	|	|	111+10	0.0000	0.56	q	Q	|	|	|	|
106+ 5	0.0000	0.58	q	Q	|	|	|	|	111+15	0.0000	0.56	q	Q	|	|	|	|
106+10	0.0000	0.58	q	Q	|	|	|	|	111+20	0.0000	0.56	q	Q	|	|	|	|
106+15	0.0000	0.58	q	Q	|	|	|	|	111+25	0.0000	0.56	q	Q	|	|	|	|

111+30	0.0000	0.56	q	Q	|	|	|	|	116+40	0.0000	0.54	q	Q	|	|	|	|
111+35	0.0000	0.56	q	Q	|	|	|	|	116+45	0.0000	0.54	q	Q	|	|	|	|
111+40	0.0000	0.56	q	Q	|	|	|	|	116+50	0.0000	0.54	q	Q	|	|	|	|
111+45	0.0000	0.56	q	Q	|	|	|	|	116+55	0.0000	0.54	q	Q	|	|	|	|
111+50	0.0000	0.56	q	Q	|	|	|	|	117+ 0	0.0000	0.54	q	Q	|	|	|	|
111+55	0.0000	0.56	q	Q	|	|	|	|	117+ 5	0.0000	0.53	q	Q	|	|	|	|
112+ 0	0.0000	0.56	q	Q	|	|	|	|	117+10	0.0000	0.53	q	Q	|	|	|	|
112+ 5	0.0000	0.56	q	Q	|	|	|	|	117+15	0.0000	0.53	q	Q	|	|	|	|
112+10	0.0000	0.56	q	Q	|	|	|	|	117+20	0.0000	0.53	q	Q	|	|	|	|
112+15	0.0000	0.56	q	Q	|	|	|	|	117+25	0.0000	0.53	q	Q	|	|	|	|
112+20	0.0000	0.56	q	Q	|	|	|	|	117+30	0.0000	0.53	q	Q	|	|	|	|
112+25	0.0000	0.56	q	Q	|	|	|	|	117+35	0.0000	0.53	q	Q	|	|	|	|
112+30	0.0000	0.56	q	Q	|	|	|	|	117+40	0.0000	0.53	q	Q	|	|	|	|
112+35	0.0000	0.55	q	Q	|	|	|	|	117+45	0.0000	0.53	q	Q	|	|	|	|
112+40	0.0000	0.55	q	Q	|	|	|	|	117+50	0.0000	0.53	q	Q	|	|	|	|
112+45	0.0000	0.55	q	Q	|	|	|	|	117+55	0.0000	0.53	q	Q	|	|	|	|
112+50	0.0000	0.55	q	Q	|	|	|	|	118+ 0	0.0000	0.53	q	Q	|	|	|	|
112+55	0.0000	0.55	q	Q	|	|	|	|	118+ 5	0.0000	0.53	q	Q	|	|	|	|
113+ 0	0.0000	0.55	q	Q	|	|	|	|	118+10	0.0000	0.53	q	Q	|	|	|	|
113+ 5	0.0000	0.55	q	Q	|	|	|	|	118+15	0.0000	0.53	q	Q	|	|	|	|
113+10	0.0000	0.55	q	Q	|	|	|	|	118+20	0.0000	0.53	q	Q	|	|	|	|
113+15	0.0000	0.55	q	Q	|	|	|	|	118+25	0.0000	0.53	q	Q	|	|	|	|
113+20	0.0000	0.55	q	Q	|	|	|	|	118+30	0.0000	0.53	q	Q	|	|	|	|
113+25	0.0000	0.55	q	Q	|	|	|	|	118+35	0.0000	0.53	q	Q	|	|	|	|
113+30	0.0000	0.55	q	Q	|	|	|	|	118+40	0.0000	0.53	q	Q	|	|	|	|
113+35	0.0000	0.55	q	Q	|	|	|	|	118+45	0.0000	0.53	q	Q	|	|	|	|
113+40	0.0000	0.55	q	Q	|	|	|	|	118+50	0.0000	0.53	q	Q	|	|	|	|
113+45	0.0000	0.55	q	Q	|	|	|	|	118+55	0.0000	0.53	q	Q	|	|	|	|
113+50	0.0000	0.55	q	Q	|	|	|	|	119+ 0	0.0000	0.53	q	Q	|	|	|	|
113+55	0.0000	0.55	q	Q	|	|	|	|	119+ 5	0.0000	0.52	q	Q	|	|	|	|
114+ 0	0.0000	0.55	q	Q	|	|	|	|	119+10	0.0000	0.52	q	Q	|	|	|	|
114+ 5	0.0000	0.55	q	Q	|	|	|	|	119+15	0.0000	0.52	q	Q	|	|	|	|
114+10	0.0000	0.55	q	Q	|	|	|	|	119+20	0.0000	0.52	q	Q	|	|	|	|
114+15	0.0000	0.55	q	Q	|	|	|	|	119+25	0.0000	0.52	q	Q	|	|	|	|
114+20	0.0000	0.55	q	Q	|	|	|	|	119+30	0.0000	0.52	q	Q	|	|	|	|
114+25	0.0000	0.55	q	Q	|	|	|	|	119+35	0.0000	0.52	q	Q	|	|	|	|
114+30	0.0000	0.55	q	Q	|	|	|	|	119+40	0.0000	0.52	q	Q	|	|	|	|
114+35	0.0000	0.55	q	Q	|	|	|	|	119+45	0.0000	0.52	q	Q	|	|	|	|
114+40	0.0000	0.55	q	Q	|	|	|	|	119+50	0.0000	0.52	q	Q	|	|	|	|
114+45	0.0000	0.55	q	Q	|	|	|	|	119+55	0.0000	0.52	q	Q	|	|	|	|
114+50	0.0000	0.54	q	Q	|	|	|	|	120+ 0	0.0000	0.52	q	Q	|	|	|	|
114+55	0.0000	0.54	q	Q	|	|	|	|	120+ 5	0.0000	0.52	q	Q	|	|	|	|
115+ 0	0.0000	0.54	q	Q	|	|	|	|	120+10	0.0000	0.52	q	Q	|	|	|	|
115+ 5	0.0000	0.54	q	Q	|	|	|	|	120+15	0.0000	0.52	q	Q	|	|	|	|
115+10	0.0000	0.54	q	Q	|	|	|	|	120+20	0.0000	0.52	q	Q	|	|	|	|
115+15	0.0000	0.54	q	Q	|	|	|	|	120+25	0.0000	0.52	q	Q	|	|	|	|
115+20	0.0000	0.54	q	Q	|	|	|	|	120+30	0.0000	0.52	q	Q	|	|	|	|
115+25	0.0000	0.54	q	Q	|	|	|	|	120+35	0.0000	0.52	q	Q	|	|	|	|
115+30	0.0000	0.54	q	Q	|	|	|	|	120+40	0.0000	0.52	q	Q	|	|	|	|
115+35	0.0000	0.54	q	Q	|	|	|	|	120+45	0.0000	0.52	q	Q	|	|	|	|
115+40	0.0000	0.54	q	Q	|	|	|	|	120+50	0.0000	0.51	q	Q	|	|	|	|
115+45	0.0000	0.54	q	Q	|	|	|	|	120+55	0.0000	0.51	q	Q	|	|	|	|
115+50	0.0000	0.54	q	Q	|	|	|	|	121+ 0	0.0000	0.51	q	Q	|	|	|	|
115+55	0.0000	0.54	q	Q	|	|	|	|	121+ 5	0.0000	0.51	q	Q	|	|	|	|
116+ 0	0.0000	0.54	q	Q	|	|	|	|	121+10	0.0000	0.51	q	Q	|	|	|	|
116+ 5	0.0000	0.54	q	Q	|	|	|	|	121+15	0.0000	0.51	q	Q	|	|	|	|
116+10	0.0000	0.54	q	Q	|	|	|	|	121+20	0.0000	0.51	q	Q	|	|	|	|
116+15	0.0000	0.54	q	Q	|	|	|	|	121+25	0.0000	0.51	q	Q	|	|	|	|
116+20	0.0000	0.54	q	Q	|	|	|	|	121+30	0.0000	0.51	q	Q	|	|	|	|
116+25	0.0000	0.54	q	Q	|	|	|	|	121+35	0.0000	0.51	q	Q	|	|	|	|
116+30	0.0000	0.54	q	Q	|	|	|	|	121+40	0.0000	0.51	q	Q	|	|	|	|
116+35	0.0000	0.54	q	Q	|	|	|	|	121+45	0.0000	0.51	q	Q	|	|	|	|

121+50	0.0000	0.51	q Q				
121+55	0.0000	0.51	q Q				
122+ 0	0.0000	0.51	q Q				
122+ 5	0.0000	0.51	qQ				
122+10	0.0000	0.51	qQ				
122+15	0.0000	0.51	qQ				
122+20	0.0000	0.51	qQ				
122+25	0.0000	0.51	qQ				
122+30	0.0000	0.51	qQ				
122+35	0.0000	0.50	qQ				
122+40	0.0000	0.50	qQ				
122+45	0.0000	0.50	qQ				
122+50	0.0000	0.50	qQ				
122+55	0.0000	0.50	qQ				
123+ 0	0.0000	0.50	qQ				
123+ 5	0.0000	0.50	qQ				
123+10	0.0000	0.50	qQ				
123+15	0.0000	0.50	qQ				
123+20	0.0000	0.50	qQ				
123+25	0.0000	0.50	qQ				
123+30	0.0000	0.50	qQ				
123+35	0.0000	0.50	qQ				
123+40	0.0000	0.50	qQ				
123+45	0.0000	0.50	qQ				
123+50	0.0000	0.50	qQ				
123+55	0.0000	0.50	qQ				
124+ 0	0.0000	0.50	qQ				
124+ 5	0.0000	0.50	qQ				
124+10	0.0000	0.50	qQ				
124+15	0.0000	0.50	qQ				
124+20	0.0000	0.49	qQ				
124+25	0.0000	0.49	qQ				
124+30	0.0000	0.49	qQ				
124+35	0.0000	0.49	qQ				
124+40	0.0000	0.49	qQ				
124+45	0.0000	0.49	qQ				
124+50	0.0000	0.49	qQ				
124+55	0.0000	0.49	qQ				
125+ 0	0.0000	0.49	qQ				
125+ 5	0.0000	0.49	qQ				
125+10	0.0000	0.49	qQ				
125+15	0.0000	0.49	qQ				
125+20	0.0000	0.49	qQ				
125+25	0.0000	0.49	qQ				
125+30	0.0000	0.49	qQ				
125+35	0.0000	0.49	qQ				
125+40	0.0000	0.49	qQ				
125+45	0.0000	0.49	qQ				
125+50	0.0000	0.49	qQ				
125+55	0.0000	0.49	qQ				
126+ 0	0.0000	0.49	qQ				
126+ 5	0.0000	0.49	qQ				
126+10	0.0000	0.48	qQ				
126+15	0.0000	0.48	qQ				
126+20	0.0000	0.48	qQ				
126+25	0.0000	0.48	qQ				
126+30	0.0000	0.48	qQ				
126+35	0.0000	0.48	qQ				
126+40	0.0000	0.48	qQ				
126+45	0.0000	0.48	qQ				
126+50	0.0000	0.48	qQ				
126+55	0.0000	0.48	qQ				
127+ 0	0.0000	0.48	qQ				
127+ 5	0.0000	0.48	qQ				
127+10	0.0000	0.48	qQ				
127+15	0.0000	0.48	qQ				
127+20	0.0000	0.48	qQ				
127+25	0.0000	0.48	qQ				
127+30	0.0000	0.48	qQ				
127+35	0.0000	0.48	qQ				
127+40	0.0000	0.48	qQ				
127+45	0.0000	0.48	qQ				
127+50	0.0000	0.48	qQ				
127+55	0.0000	0.48	qQ				
128+ 0	0.0000	0.47	qQ				
128+ 5	0.0000	0.47	qQ				
128+10	0.0000	0.47	qQ				
128+15	0.0000	0.47	qQ				
128+20	0.0000	0.47	qQ				
128+25	0.0000	0.47	qQ				
128+30	0.0000	0.47	qQ				
128+35	0.0000	0.47	qQ				
128+40	0.0000	0.47	qQ				
128+45	0.0000	0.47	qQ				
128+50	0.0000	0.47	qQ				
128+55	0.0000	0.47	qQ				
129+ 0	0.0000	0.47	qQ				
129+ 5	0.0000	0.47	qQ				
129+10	0.0000	0.47	qQ				
129+15	0.0000	0.47	qQ				
129+20	0.0000	0.47	qQ				
129+25	0.0000	0.47	qQ				
129+30	0.0000	0.47	qQ				
129+35	0.0000	0.47	qQ				
129+40	0.0000	0.47	qQ				
129+45	0.0000	0.47	qQ				
129+50	0.0000	0.47	qQ				
129+55	0.0000	0.46	qQ				
130+ 0	0.0000	0.46	qQ				
130+ 5	0.0000	0.46	qQ				
130+10	0.0000	0.46	qQ				
130+15	0.0000	0.46	qQ				
130+20	0.0000	0.46	qQ				
130+25	0.0000	0.46	qQ				
130+30	0.0000	0.46	qQ				
130+35	0.0000	0.46	qQ				
130+40	0.0000	0.46	qQ				
130+45	0.0000	0.46	qQ				
130+50	0.0000	0.46	qQ				
130+55	0.0000	0.46	qQ				
131+ 0	0.0000	0.46	qQ				
131+ 5	0.0000	0.46	qQ				
131+10	0.0000	0.46	qQ				
131+15	0.0000	0.46	qQ				
131+20	0.0000	0.46	qQ				
131+25	0.0000	0.46	qQ				
131+30	0.0000	0.46	qQ				
131+35	0.0000	0.46	qQ				
131+40	0.0000	0.46	qQ				
131+45	0.0000	0.46	qQ				
131+50	0.0000	0.45	qQ				
131+55	0.0000	0.45	qQ				
132+ 0	0.0000	0.45	qQ				
132+ 5	0.0000	0.45	qQ				

132+10	0.0000	0.45	qQ				
132+15	0.0000	0.45	qQ				
132+20	0.0000	0.45	qQ				
132+25	0.0000	0.45	qQ				
132+30	0.0000	0.45	qQ				
132+35	0.0000	0.45	qQ				
132+40	0.0000	0.45	qQ				
132+45	0.0000	0.45	qQ				
132+50	0.0000	0.45	qQ				
132+55	0.0000	0.45	qQ				
133+ 0	0.0000	0.45	qQ				
133+ 5	0.0000	0.45	qQ				
133+10	0.0000	0.45	qQ				
133+15	0.0000	0.45	qQ				
133+20	0.0000	0.45	qQ				
133+25	0.0000	0.45	qQ				
133+30	0.0000	0.45	qQ				
133+35	0.0000	0.45	qQ				
133+40	0.0000	0.45	qQ				
133+45	0.0000	0.45	qQ				
133+50	0.0000	0.44	qQ				
133+55	0.0000	0.44	qQ				
134+ 0	0.0000	0.44	qQ				
134+ 5	0.0000	0.44	qQ				
134+10	0.0000	0.44	qQ				
134+15	0.0000	0.44	qQ				
134+20	0.0000	0.44	qQ				
134+25	0.0000	0.44	qQ				
134+30	0.0000	0.44	qQ				
134+35	0.0000	0.44	qQ				
134+40	0.0000	0.44	qQ				
134+45	0.0000	0.44	qQ				
134+50	0.0000	0.44	qQ				
134+55	0.0000	0.44	qQ				
135+ 0	0.0000	0.44	qQ				
135+ 5	0.0000	0.44	qQ				
135+10	0.0000	0.44	qQ				
135+15	0.0000	0.44	qQ				
135+20	0.0000	0.44	qQ				
135+25	0.0000	0.44	qQ				
135+30	0.0000	0.44	qQ				
135+35	0.0000	0.44	qQ				
135+40	0.0000	0.44	qQ				
135+45	0.0000	0.44	qQ				
135+50	0.0000	0.43	qQ				
135+55	0.0000	0.43	qQ				
136+ 0	0.0000	0.43	qQ				
136+ 5	0.0000	0.43	qQ				
136+10	0.0000	0.43	qQ				
136+15	0.0000	0.43	qQ				
136+20	0.0000	0.43	qQ				
136+25	0.0000	0.43	qQ				
136+30	0.0000	0.43	qQ				
136+35	0.0000	0.43	qQ				
136+40	0.0000	0.43	qQ				
136+45	0.0000	0.43	qQ				
136+50	0.0000	0.43	qQ				
136+55	0.0000	0.43	qQ				
137+ 0	0.0000	0.43	qQ				
137+ 5	0.0000	0.43	qQ				
137+10	0.0000	0.43	qQ				
137+15	0.0000	0.43	qQ				
137+20	0.0000	0.43	qQ				
137+25	0.0000	0.43	qQ				
137+30	0.0000	0.43	qQ				
137+35	0.0000	0.43	qQ				
137+40	0.0000	0.43	qQ				
137+45	0.0000	0.43	qQ				
137+50	0.0000	0.43	qQ				
137+55	0.0000	0.42	qQ				
138+ 0	0.0000	0.42	qQ				
138+ 5	0.0000	0.42	qQ				
138+10	0.0000	0.42	qQ				
138+15	0.0000	0.42	qQ				
138+20	0.0000	0.42	qQ				
138+25	0.0000	0.42	qQ				
138+30	0.0000	0.42	qQ				
138+35	0.0000	0.42	qQ				
138+40	0.0000	0.42	qQ				
138+45	0.0000	0.42	qQ				
138+50	0.0000	0.42	qQ				
138+55	0.0000	0.42	qQ				
139+ 0	0.0000	0.42	qQ				
139+ 5	0.0000	0.42	qQ				
139+10	0.0000	0.42	qQ				
139+15	0.0000	0.42	qQ				
139+20	0.0000	0.42	qQ				
139+25	0.0000	0.42	qQ				
139+30	0.0000	0.42	qQ				
139+35	0.0000	0.42	qQ				
139+40	0.0000	0.42	qQ				
139+45	0.0000	0.42	qQ				
139+50	0.0000	0.42	qQ				
139+55	0.0000	0.42	qQ				

```
**************************HYDROGRAPH DATA**************************
                Number of intervals =  3256
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       10.154 (CFS)
                Total volume =      11.785 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.200 to Point/Station        9.500
**** STREAM ROUTING SCS CONVEX METHOD ****
_______________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    182.00 (Ft.)
Elevation difference =   50.00 (Ft.)
Slope of channel =  0.274725 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   182.00(Ft.)   Elevation difference =  50.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     2.692(CFS)
```

```
      Given pipe size =     36.00(In.)
      Calculated individual pipe flow  =     2.692(CFS)
      Normal flow depth in pipe =    2.25(In.)
      Flow top width inside pipe =   17.41(In.)
      Critical Depth =    0.51(Ft.)
      Pipe flow velocity =     14.67(Ft/s)
      Travel time through pipe =    0.21 min.


      Pipe length  =   182.00(Ft.)   Elevation difference =  50.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =    10.154(CFS)
      Given pipe size =     36.00(In.)
      Calculated individual pipe flow  =    10.154(CFS)
      Normal flow depth in pipe =    4.21(In.)
      Flow top width inside pipe =   23.14(In.)
      Critical Depth =    1.01(Ft.)
      Pipe flow velocity =     21.91(Ft/s)
      Travel time through pipe =    0.14 min.


      ********************** SCS CONVEX CHANNEL ROUTING *********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.9280   Travel time =   0.14 (min.)
               dt*(unit time interval) =   5.00(min.),  e=  26.2749
               dt(routing time-step) =   0.13 (min.),   c* =   1.0000

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
      ----------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

      ----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        2.5       5.1       7.6      10.2
----------------------------------------------------------------------
  0+ 5       0.0281      0.03  O        |         |         |         |
  0+10       0.1542      0.16  O        |         |         |         |
  0+15       0.3643      0.37  |O       |         |         |         |
  0+20       0.5249      0.53  | O      |         |         |         |
  0+25       0.6688      0.67  | O      |         |         |         |
  0+30       0.7874      0.79  |  O     |         |         |         |
  0+35       0.8814      0.88  |  O     |         |         |         |
  0+40       0.9657      0.97  |  O     |         |         |         |
  0+45       1.0404      1.04  |   O    |         |         |         |
  0+50       1.1044      1.11  |   O    |         |         |         |
  0+55       1.1600      1.16  |   O    |         |         |         |
  1+ 0       1.2121      1.21  |   O    |         |         |         |
  1+ 5       1.2626      1.26  |   O    |         |         |         |
  1+10       1.3136      1.31  |    O   |         |         |         |
  1+15       1.3675      1.37  |    O   |         |         |         |
  1+20       1.4209      1.42  |    O   |         |         |         |
  1+25       1.4687      1.47  |    O   |         |         |         |
  1+30       1.5145      1.52  |    O   |         |         |         |
  1+35       1.5635      1.56  |     O  |         |         |         |
  1+40       1.6096      1.61  |     O  |         |         |         |
  1+45       1.6538      1.65  |     O  |         |         |         |
  1+50       1.6990      1.70  |     O  |         |         |         |
  1+55       1.7430      1.74  |     O  |         |         |         |
  2+ 0       1.7820      1.78  |      O |         |         |         |
  2+ 5       1.8186      1.82  |      O |         |         |         |
  2+10       1.8556      1.86  |      O |         |         |         |
  2+15       1.8926      1.89  |      O |         |         |         |
  2+20       1.9346      1.94  |      O |         |         |         |
  2+25       1.9797      1.98  |      O |         |         |         |
  2+30       2.0262      2.03  |      O |         |         |         |
  2+35       2.0798      2.08  |       O|         |         |         |
  2+40       2.1437      2.15  |       O|         |         |         |
  2+45       5.8971      6.00  |        |         |  O      |         |
  2+50       9.1197      9.20  |        |         |         |    OI   |
  2+55      10.1294     10.15  |        |         |         |        OI
  3+ 0      10.0352     10.03  |        |         |         |        O|
  3+ 5       9.2714      9.25  |        |         |         |     O   |
  3+10       8.0000      7.97  |        |         |         |O        |
  3+15       6.6294      6.59  |        |         |    IO   |         |
  3+20       5.4324      5.40  |        |         |O        |         |
  3+25       4.4619      4.44  |        |      O  |         |         |
  3+30       3.6922      3.67  |        |   O     |         |         |
  3+35       3.0868      3.07  |        | O       |         |         |
  3+40       2.6119      2.60  |       O|         |         |         |
  3+45       2.2885      2.28  |       IO|        |         |         |
  3+50       2.2170      2.22  |       O |        |         |         |
  3+55       2.2134      2.21  |       O |        |         |         |
  4+ 0       2.2117      2.21  |       O |        |         |         |
  4+ 5       2.2101      2.21  |       O |        |         |         |
  4+10       2.2084      2.21  |       O |        |         |         |
  4+15       2.2067      2.21  |       O |        |         |         |
  4+20       2.2051      2.21  |       O |        |         |         |
  4+25       2.2034      2.20  |       O |        |         |         |
  4+30       2.2017      2.20  |       O |        |         |         |
  4+35       2.2001      2.20  |       O |        |         |         |
  4+40       2.1984      2.20  |       O |        |         |         |
  4+45       2.1968      2.20  |       O |        |         |         |
  4+50       2.1951      2.20  |       O |        |         |         |
  4+55       2.1934      2.19  |       O |        |         |         |
  5+ 0       2.1918      2.19  |       O |        |         |         |
  5+ 5       2.1901      2.19  |       O |        |         |         |
  5+10       2.1885      2.19  |       O |        |         |         |
  5+15       2.1868      2.19  |       O |        |         |         |
  5+20       2.1852      2.19  |       O |        |         |         |
  5+25       2.1836      2.18  |       O |        |         |         |
  5+30       2.1819      2.18  |       O |        |         |         |
  5+35       2.1803      2.18  |       O |        |         |         |
  5+40       2.1786      2.18  |       O |        |         |         |
  5+45       2.1770      2.18  |       O |        |         |         |
  5+50       2.1754      2.18  |       O |        |         |         |
  5+55       2.1737      2.17  |       O |        |         |         |
  6+ 0       2.1721      2.17  |       O |        |         |         |
  6+ 5       2.1705      2.17  |       O |        |         |         |
  6+10       2.1688      2.17  |       O |        |         |         |
  6+15       2.1672      2.17  |       O |        |         |         |
  6+20       2.1656      2.17  |       O |        |         |         |
  6+25       2.1640      2.16  |       O |        |         |         |
  6+30       2.1623      2.16  |       O |        |         |         |
  6+35       2.1607      2.16  |       O |        |         |         |
  6+40       2.1592      2.16  |       O |        |         |         |
  6+45       2.1578      2.16  |       O |        |         |         |
```

6+50	2.1564	2.16	0					12+ 0	2.0553	2.06	0				
6+55	2.1549	2.15	0					12+ 5	2.0537	2.05	0				
7+ 0	2.1535	2.15	0					12+10	2.0521	2.05	0				
7+ 5	2.1520	2.15	0					12+15	2.0505	2.05	0				
7+10	2.1506	2.15	0					12+20	2.0489	2.05	0				
7+15	2.1492	2.15	0					12+25	2.0473	2.05	0				
7+20	2.1477	2.15	0					12+30	2.0457	2.05	0				
7+25	2.1463	2.15	0					12+35	2.0441	2.04	0				
7+30	2.1449	2.14	0					12+40	2.0425	2.04	0				
7+35	2.1435	2.14	0					12+45	2.0409	2.04	0				
7+40	2.1420	2.14	0					12+50	2.0393	2.04	0				
7+45	2.1406	2.14	0					12+55	2.0378	2.04	0				
7+50	2.1392	2.14	0					13+ 0	2.0362	2.04	0				
7+55	2.1377	2.14	0					13+ 5	2.0346	2.03	0				
8+ 0	2.1363	2.14	0					13+10	2.0330	2.03	0				
8+ 5	2.1349	2.13	0					13+15	2.0314	2.03	0				
8+10	2.1335	2.13	0					13+20	2.0299	2.03	0				
8+15	2.1321	2.13	0					13+25	2.0283	2.03	0				
8+20	2.1306	2.13	0					13+30	2.0267	2.03	0				
8+25	2.1292	2.13	0					13+35	2.0251	2.03	0				
8+30	2.1278	2.13	0					13+40	2.0236	2.02	0				
8+35	2.1264	2.13	0					13+45	2.0220	2.02	0				
8+40	2.1250	2.12	0					13+50	2.0204	2.02	0				
8+45	2.1236	2.12	0					13+55	2.0189	2.02	0				
8+50	2.1222	2.12	0					14+ 0	2.0173	2.02	0				
8+55	2.1208	2.12	0					14+ 5	2.0158	2.02	0				
9+ 0	2.1193	2.12	0					14+10	2.0142	2.01	0				
9+ 5	2.1179	2.12	0					14+15	2.0122	2.01	0				
9+10	2.1165	2.12	0					14+20	2.0102	2.01	0				
9+15	2.1151	2.12	0					14+25	2.0081	2.01	0				
9+20	2.1135	2.11	0					14+30	2.0060	2.01	0				
9+25	2.1116	2.11	0					14+35	2.0039	2.00	0				
9+30	2.1097	2.11	0					14+40	2.0019	2.00	0				
9+35	2.1079	2.11	0					14+45	1.9998	2.00	0				
9+40	2.1060	2.11	0					14+50	1.9977	2.00	0				
9+45	2.1042	2.10	0					14+55	1.9957	2.00	0				
9+50	2.1023	2.10	0					15+ 0	1.9936	1.99	0				
9+55	2.1004	2.10	0					15+ 5	1.9916	1.99	0				
10+ 0	2.0986	2.10	0					15+10	1.9895	1.99	0				
10+ 5	2.0967	2.10	0					15+15	1.9875	1.99	0				
10+10	2.0949	2.09	0					15+20	1.9854	1.99	0				
10+15	2.0931	2.09	0					15+25	1.9834	1.98	0				
10+20	2.0912	2.09	0					15+30	1.9814	1.98	0				
10+25	2.0894	2.09	0					15+35	1.9793	1.98	0				
10+30	2.0875	2.09	0					15+40	1.9773	1.98	0				
10+35	2.0857	2.09	0					15+45	1.9753	1.98	0				
10+40	2.0839	2.08	0					15+50	1.9732	1.97	0				
10+45	2.0820	2.08	0					15+55	1.9712	1.97	0				
10+50	2.0802	2.08	0					16+ 0	1.9692	1.97	0				
10+55	2.0784	2.08	0					16+ 5	1.9672	1.97	0				
11+ 0	2.0766	2.08	0					16+10	1.9652	1.97	0				
11+ 5	2.0747	2.07	0					16+15	1.9632	1.96	0				
11+10	2.0729	2.07	0					16+20	1.9612	1.96	0				
11+15	2.0711	2.07	0					16+25	1.9591	1.96	0				
11+20	2.0693	2.07	0					16+30	1.9570	1.96	0				
11+25	2.0675	2.07	0					16+35	1.9548	1.95	0				
11+30	2.0657	2.07	0					16+40	1.9526	1.95	0				
11+35	2.0638	2.06	0					16+45	1.9504	1.95	0				
11+40	2.0620	2.06	0					16+50	1.9483	1.95	0				
11+45	2.0602	2.06	0					16+55	1.9461	1.95	0				
11+50	2.0585	2.06	0					17+ 0	1.9439	1.94	0				
11+55	2.0569	2.06	0					17+ 5	1.9417	1.94	0				

17+10	1.9396	1.94		O					22+20	1.7848	1.78		O				
17+15	1.9374	1.94		O					22+25	1.7821	1.78		O				
17+20	1.9353	1.94		O					22+30	1.7794	1.78		O				
17+25	1.9331	1.93		O					22+35	1.7768	1.78		O				
17+30	1.9310	1.93		O					22+40	1.7741	1.77		O				
17+35	1.9288	1.93		O					22+45	1.7711	1.77		O				
17+40	1.9267	1.93		O					22+50	1.7680	1.77		O				
17+45	1.9245	1.92		O					22+55	1.7649	1.76		O				
17+50	1.9224	1.92		O					23+ 0	1.7619	1.76		O				
17+55	1.9203	1.92		O					23+ 5	1.7588	1.76		O				
18+ 0	1.9181	1.92		O					23+10	1.7558	1.76		O				
18+ 5	1.9160	1.92		O					23+15	1.7528	1.75		O				
18+10	1.9139	1.91		O					23+20	1.7497	1.75		O				
18+15	1.9118	1.91		O					23+25	1.7467	1.75		O				
18+20	1.9097	1.91		O					23+30	1.7437	1.74		O				
18+25	1.9076	1.91		O					23+35	1.7407	1.74		O				
18+30	1.9055	1.91		O					23+40	1.7377	1.74		O				
18+35	1.9031	1.90		O					23+45	1.7348	1.73		O				
18+40	1.9005	1.90		O					23+50	1.7318	1.73		O				
18+45	1.8979	1.90		O					23+55	1.7288	1.73		O				
18+50	1.8953	1.90		O					24+ 0	1.7259	1.73		O				
18+55	1.8927	1.89		O					24+ 5	1.7229	1.72		O				
19+ 0	1.8901	1.89		O					24+10	1.7200	1.72		O				
19+ 5	1.8875	1.89		O					24+15	1.7171	1.72		O				
19+10	1.8849	1.88		O					24+20	1.7141	1.71		O				
19+15	1.8824	1.88		O					24+25	1.7112	1.71		O				
19+20	1.8798	1.88		O					24+30	1.7082	1.71		O				
19+25	1.8772	1.88		O					24+35	1.7050	1.70		O				
19+30	1.8747	1.87		O					24+40	1.7018	1.70		O				
19+35	1.8721	1.87		O					24+45	1.6986	1.70		O				
19+40	1.8696	1.87		O					24+50	1.6954	1.70		O				
19+45	1.8671	1.87		O					24+55	1.6922	1.69		O				
19+50	1.8645	1.86		O					25+ 0	1.6890	1.69		O				
19+55	1.8620	1.86		O					25+ 5	0.8590	0.84	O					
20+ 0	1.8595	1.86		O					25+10	0.8368	0.84	O					
20+ 5	1.8570	1.86		O					25+15	0.8366	0.84	O					
20+10	1.8545	1.85		O					25+20	0.8364	0.84	O					
20+15	1.8520	1.85		O					25+25	0.8361	0.84	O					
20+20	1.8495	1.85		O					25+30	0.8359	0.84	O					
20+25	1.8470	1.85		O					25+35	0.8357	0.84	O					
20+30	1.8445	1.84		O					25+40	0.8354	0.84	O					
20+35	1.8420	1.84		O					25+45	0.8352	0.84	O					
20+40	1.8394	1.84		O					25+50	0.8349	0.83	O					
20+45	1.8366	1.84		O					25+55	0.8347	0.83	O					
20+50	1.8338	1.83		O					26+ 0	0.8345	0.83	O					
20+55	1.8311	1.83		O					26+ 5	0.8342	0.83	O					
21+ 0	1.8283	1.83		O					26+10	0.8340	0.83	O					
21+ 5	1.8255	1.83		O					26+15	0.8337	0.83	O					
21+10	1.8228	1.82		O					26+20	0.8335	0.83	O					
21+15	1.8200	1.82		O					26+25	0.8333	0.83	O					
21+20	1.8173	1.82		O					26+30	0.8330	0.83	O					
21+25	1.8145	1.81		O					26+35	0.8328	0.83	O					
21+30	1.8118	1.81		O					26+40	0.8326	0.83	O					
21+35	1.8090	1.81		O					26+45	0.8323	0.83	O					
21+40	1.8063	1.81		O					26+50	0.8321	0.83	O					
21+45	1.8036	1.80		O					26+55	0.8318	0.83	O					
21+50	1.8009	1.80		O					27+ 0	0.8316	0.83	O					
21+55	1.7982	1.80		O					27+ 5	0.8314	0.83	O					
22+ 0	1.7955	1.80		O					27+10	0.8311	0.83	O					
22+ 5	1.7928	1.79		O					27+15	0.8309	0.83	O					
22+10	1.7901	1.79		O					27+20	0.8307	0.83	O					
22+15	1.7874	1.79		O					27+25	0.8304	0.83	O					

27+30	0.8302	0.83	O					32+40	0.8156	0.82	O				
27+35	0.8299	0.83	O					32+45	0.8154	0.82	O				
27+40	0.8297	0.83	O					32+50	0.8152	0.82	O				
27+45	0.8295	0.83	O					32+55	0.8149	0.81	O				
27+50	0.8292	0.83	O					33+ 0	0.8147	0.81	O				
27+55	0.8290	0.83	O					33+ 5	0.8145	0.81	O				
28+ 0	0.8288	0.83	O					33+10	0.8142	0.81	O				
28+ 5	0.8285	0.83	O					33+15	0.8140	0.81	O				
28+10	0.8283	0.83	O					33+20	0.8138	0.81	O				
28+15	0.8281	0.83	O					33+25	0.8135	0.81	O				
28+20	0.8278	0.83	O					33+30	0.8133	0.81	O				
28+25	0.8276	0.83	O					33+35	0.8131	0.81	O				
28+30	0.8273	0.83	O					33+40	0.8128	0.81	O				
28+35	0.8271	0.83	O					33+45	0.8126	0.81	O				
28+40	0.8269	0.83	O					33+50	0.8124	0.81	O				
28+45	0.8266	0.83	O					33+55	0.8121	0.81	O				
28+50	0.8264	0.83	O					34+ 0	0.8119	0.81	O				
28+55	0.8262	0.83	O					34+ 5	0.8117	0.81	O				
29+ 0	0.8259	0.83	O					34+10	0.8114	0.81	O				
29+ 5	0.8257	0.83	O					34+15	0.8112	0.81	O				
29+10	0.8255	0.83	O					34+20	0.8110	0.81	O				
29+15	0.8252	0.83	O					34+25	0.8107	0.81	O				
29+20	0.8250	0.82	O					34+30	0.8105	0.81	O				
29+25	0.8247	0.82	O					34+35	0.8103	0.81	O				
29+30	0.8245	0.82	O					34+40	0.8100	0.81	O				
29+35	0.8243	0.82	O					34+45	0.8098	0.81	O				
29+40	0.8240	0.82	O					34+50	0.8096	0.81	O				
29+45	0.8238	0.82	O					34+55	0.8094	0.81	O				
29+50	0.8236	0.82	O					35+ 0	0.8091	0.81	O				
29+55	0.8233	0.82	O					35+ 5	0.8089	0.81	O				
30+ 0	0.8231	0.82	O					35+10	0.8087	0.81	O				
30+ 5	0.8229	0.82	O					35+15	0.8084	0.81	O				
30+10	0.8226	0.82	O					35+20	0.8082	0.81	O				
30+15	0.8224	0.82	O					35+25	0.8080	0.81	O				
30+20	0.8222	0.82	O					35+30	0.8077	0.81	O				
30+25	0.8219	0.82	O					35+35	0.8075	0.81	O				
30+30	0.8217	0.82	O					35+40	0.8073	0.81	O				
30+35	0.8215	0.82	O					35+45	0.8070	0.81	O				
30+40	0.8212	0.82	O					35+50	0.8068	0.81	O				
30+45	0.8210	0.82	O					35+55	0.8066	0.81	O				
30+50	0.8208	0.82	O					36+ 0	0.8064	0.81	O				
30+55	0.8205	0.82	O					36+ 5	0.8061	0.81	O				
31+ 0	0.8203	0.82	O					36+10	0.8059	0.81	O				
31+ 5	0.8201	0.82	O					36+15	0.8057	0.81	O				
31+10	0.8198	0.82	O					36+20	0.8054	0.81	O				
31+15	0.8196	0.82	O					36+25	0.8052	0.81	O				
31+20	0.8194	0.82	O					36+30	0.8050	0.80	O				
31+25	0.8191	0.82	O					36+35	0.8047	0.80	O				
31+30	0.8189	0.82	O					36+40	0.8045	0.80	O				
31+35	0.8186	0.82	O					36+45	0.8043	0.80	O				
31+40	0.8184	0.82	O					36+50	0.8041	0.80	O				
31+45	0.8182	0.82	O					36+55	0.8038	0.80	O				
31+50	0.8179	0.82	O					37+ 0	0.8036	0.80	O				
31+55	0.8177	0.82	O					37+ 5	0.8034	0.80	O				
32+ 0	0.8175	0.82	O					37+10	0.8031	0.80	O				
32+ 5	0.8172	0.82	O					37+15	0.8029	0.80	O				
32+10	0.8170	0.82	O					37+20	0.8027	0.80	O				
32+15	0.8168	0.82	O					37+25	0.8024	0.80	O				
32+20	0.8165	0.82	O					37+30	0.8022	0.80	O				
32+25	0.8163	0.82	O					37+35	0.8020	0.80	O				
32+30	0.8161	0.82	O					37+40	0.8018	0.80	O				
32+35	0.8158	0.82	O					37+45	0.8015	0.80	O				

37+50	0.8013	0.80	O					43+ 0	0.7888	0.79	O				
37+55	0.8011	0.80	O					43+ 5	0.7886	0.79	O				
38+ 0	0.8008	0.80	O					43+10	0.7884	0.79	O				
38+ 5	0.8006	0.80	O					43+15	0.7882	0.79	O				
38+10	0.8004	0.80	O					43+20	0.7880	0.79	O				
38+15	0.8002	0.80	O					43+25	0.7878	0.79	O				
38+20	0.7999	0.80	O					43+30	0.7876	0.79	O				
38+25	0.7997	0.80	O					43+35	0.7874	0.79	O				
38+30	0.7995	0.80	O					43+40	0.7872	0.79	O				
38+35	0.7993	0.80	O					43+45	0.7870	0.79	O				
38+40	0.7991	0.80	O					43+50	0.7868	0.79	O				
38+45	0.7989	0.80	O					43+55	0.7866	0.79	O				
38+50	0.7987	0.80	O					44+ 0	0.7864	0.79	O				
38+55	0.7985	0.80	O					44+ 5	0.7862	0.79	O				
39+ 0	0.7983	0.80	O					44+10	0.7860	0.79	O				
39+ 5	0.7981	0.80	O					44+15	0.7858	0.79	O				
39+10	0.7979	0.80	O					44+20	0.7856	0.79	O				
39+15	0.7977	0.80	O					44+25	0.7854	0.79	O				
39+20	0.7975	0.80	O					44+30	0.7852	0.79	O				
39+25	0.7973	0.80	O					44+35	0.7850	0.79	O				
39+30	0.7971	0.80	O					44+40	0.7848	0.78	O				
39+35	0.7969	0.80	O					44+45	0.7846	0.78	O				
39+40	0.7967	0.80	O					44+50	0.7845	0.78	O				
39+45	0.7965	0.80	O					44+55	0.7843	0.78	O				
39+50	0.7963	0.80	O					45+ 0	0.7841	0.78	O				
39+55	0.7961	0.80	O					45+ 5	0.7839	0.78	O				
40+ 0	0.7959	0.80	O					45+10	0.7837	0.78	O				
40+ 5	0.7957	0.80	O					45+15	0.7835	0.78	O				
40+10	0.7955	0.80	O					45+20	0.7833	0.78	O				
40+15	0.7953	0.80	O					45+25	0.7831	0.78	O				
40+20	0.7951	0.80	O					45+30	0.7829	0.78	O				
40+25	0.7949	0.79	O					45+35	0.7827	0.78	O				
40+30	0.7947	0.79	O					45+40	0.7825	0.78	O				
40+35	0.7945	0.79	O					45+45	0.7823	0.78	O				
40+40	0.7943	0.79	O					45+50	0.7821	0.78	O				
40+45	0.7941	0.79	O					45+55	0.7819	0.78	O				
40+50	0.7939	0.79	O					46+ 0	0.7817	0.78	O				
40+55	0.7937	0.79	O					46+ 5	0.7815	0.78	O				
41+ 0	0.7935	0.79	O					46+10	0.7813	0.78	O				
41+ 5	0.7934	0.79	O					46+15	0.7811	0.78	O				
41+10	0.7932	0.79	O					46+20	0.7809	0.78	O				
41+15	0.7930	0.79	O					46+25	0.7807	0.78	O				
41+20	0.7928	0.79	O					46+30	0.7805	0.78	O				
41+25	0.7926	0.79	O					46+35	0.7803	0.78	O				
41+30	0.7924	0.79	O					46+40	0.7801	0.78	O				
41+35	0.7922	0.79	O					46+45	0.7799	0.78	O				
41+40	0.7920	0.79	O					46+50	0.7797	0.78	O				
41+45	0.7918	0.79	O					46+55	0.7796	0.78	O				
41+50	0.7916	0.79	O					47+ 0	0.7794	0.78	O				
41+55	0.7914	0.79	O					47+ 5	0.7792	0.78	O				
42+ 0	0.7912	0.79	O					47+10	0.7790	0.78	O				
42+ 5	0.7910	0.79	O					47+15	0.7788	0.78	O				
42+10	0.7908	0.79	O					47+20	0.7786	0.78	O				
42+15	0.7906	0.79	O					47+25	0.7784	0.78	O				
42+20	0.7904	0.79	O					47+30	0.7782	0.78	O				
42+25	0.7902	0.79	O					47+35	0.7780	0.78	O				
42+30	0.7900	0.79	O					47+40	0.7778	0.78	O				
42+35	0.7898	0.79	O					47+45	0.7776	0.78	O				
42+40	0.7896	0.79	O					47+50	0.7774	0.78	O				
42+45	0.7894	0.79	O					47+55	0.7772	0.78	O				
42+50	0.7892	0.79	O					48+ 0	0.7770	0.78	O				
42+55	0.7890	0.79	O					48+ 5	0.7768	0.78	O				

48+10	0.7766	0.78	O					53+20	0.7646	0.76	O				
48+15	0.7764	0.78	O					53+25	0.7645	0.76	O				
48+20	0.7762	0.78	O					53+30	0.7643	0.76	O				
48+25	0.7760	0.78	O					53+35	0.7641	0.76	O				
48+30	0.7758	0.78	O					53+40	0.7639	0.76	O				
48+35	0.7757	0.78	O					53+45	0.7637	0.76	O				
48+40	0.7755	0.78	O					53+50	0.7635	0.76	O				
48+45	0.7753	0.78	O					53+55	0.7633	0.76	O				
48+50	0.7751	0.78	O					54+ 0	0.7631	0.76	O				
48+55	0.7749	0.77	O					54+ 5	0.7629	0.76	O				
49+ 0	0.7747	0.77	O					54+10	0.7627	0.76	O				
49+ 5	0.7745	0.77	O					54+15	0.7625	0.76	O				
49+10	0.7743	0.77	O					54+20	0.7624	0.76	O				
49+15	0.7741	0.77	O					54+25	0.7622	0.76	O				
49+20	0.7739	0.77	O					54+30	0.7620	0.76	O				
49+25	0.7737	0.77	O					54+35	0.7618	0.76	O				
49+30	0.7735	0.77	O					54+40	0.7616	0.76	O				
49+35	0.7733	0.77	O					54+45	0.7614	0.76	O				
49+40	0.7731	0.77	O					54+50	0.7612	0.76	O				
49+45	0.7729	0.77	O					54+55	0.7610	0.76	O				
49+50	0.7727	0.77	O					55+ 0	0.7608	0.76	O				
49+55	0.7725	0.77	O					55+ 5	0.7606	0.76	O				
50+ 0	0.7724	0.77	O					55+10	0.7604	0.76	O				
50+ 5	0.7722	0.77	O					55+15	0.7603	0.76	O				
50+10	0.7720	0.77	O					55+20	0.7601	0.76	O				
50+15	0.7718	0.77	O					55+25	0.7598	0.76	O				
50+20	0.7716	0.77	O					55+30	0.7596	0.76	O				
50+25	0.7714	0.77	O					55+35	0.7593	0.76	O				
50+30	0.7712	0.77	O					55+40	0.7590	0.76	O				
50+35	0.7710	0.77	O					55+45	0.7588	0.76	O				
50+40	0.7708	0.77	O					55+50	0.7585	0.76	O				
50+45	0.7706	0.77	O					55+55	0.7582	0.76	O				
50+50	0.7704	0.77	O					56+ 0	0.7580	0.76	O				
50+55	0.7702	0.77	O					56+ 5	0.7577	0.76	O				
51+ 0	0.7700	0.77	O					56+10	0.7575	0.76	O				
51+ 5	0.7698	0.77	O					56+15	0.7572	0.76	O				
51+10	0.7696	0.77	O					56+20	0.7569	0.76	O				
51+15	0.7695	0.77	O					56+25	0.7567	0.76	O				
51+20	0.7693	0.77	O					56+30	0.7564	0.76	O				
51+25	0.7691	0.77	O					56+35	0.7562	0.76	O				
51+30	0.7689	0.77	O					56+40	0.7559	0.76	O				
51+35	0.7687	0.77	O					56+45	0.7556	0.76	O				
51+40	0.7685	0.77	O					56+50	0.7554	0.76	O				
51+45	0.7683	0.77	O					56+55	0.7551	0.76	O				
51+50	0.7681	0.77	O					57+ 0	0.7548	0.75	O				
51+55	0.7679	0.77	O					57+ 5	0.7546	0.75	O				
52+ 0	0.7677	0.77	O					57+10	0.7543	0.75	O				
52+ 5	0.7675	0.77	O					57+15	0.7541	0.75	O				
52+10	0.7673	0.77	O					57+20	0.7538	0.75	O				
52+15	0.7671	0.77	O					57+25	0.7535	0.75	O				
52+20	0.7670	0.77	O					57+30	0.7533	0.75	O				
52+25	0.7668	0.77	O					57+35	0.7530	0.75	O				
52+30	0.7666	0.77	O					57+40	0.7528	0.75	O				
52+35	0.7664	0.77	O					57+45	0.7525	0.75	O				
52+40	0.7662	0.77	O					57+50	0.7522	0.75	O				
52+45	0.7660	0.77	O					57+55	0.7520	0.75	O				
52+50	0.7658	0.77	O					58+ 0	0.7517	0.75	O				
52+55	0.7656	0.77	O					58+ 5	0.7515	0.75	O				
53+ 0	0.7654	0.77	O					58+10	0.7512	0.75	O				
53+ 5	0.7652	0.77	O					58+15	0.7509	0.75	O				
53+10	0.7650	0.77	O					58+20	0.7507	0.75	O				
53+15	0.7648	0.76	O					58+25	0.7504	0.75	O				

58+30	0.7502	0.75	O					63+40	0.7342	0.73	O				
58+35	0.7499	0.75	O					63+45	0.7340	0.73	O				
58+40	0.7496	0.75	O					63+50	0.7337	0.73	O				
58+45	0.7494	0.75	O					63+55	0.7335	0.73	O				
58+50	0.7491	0.75	O					64+ 0	0.7332	0.73	O				
58+55	0.7489	0.75	O					64+ 5	0.7330	0.73	O				
59+ 0	0.7486	0.75	O					64+10	0.7327	0.73	O				
59+ 5	0.7483	0.75	O					64+15	0.7325	0.73	O				
59+10	0.7481	0.75	O					64+20	0.7322	0.73	O				
59+15	0.7478	0.75	O					64+25	0.7319	0.73	O				
59+20	0.7476	0.75	O					64+30	0.7317	0.73	O				
59+25	0.7473	0.75	O					64+35	0.7314	0.73	O				
59+30	0.7470	0.75	O					64+40	0.7312	0.73	O				
59+35	0.7468	0.75	O					64+45	0.7309	0.73	O				
59+40	0.7465	0.75	O					64+50	0.7307	0.73	O				
59+45	0.7463	0.75	O					64+55	0.7304	0.73	O				
59+50	0.7460	0.75	O					65+ 0	0.7302	0.73	O				
59+55	0.7458	0.75	O					65+ 5	0.7299	0.73	O				
60+ 0	0.7455	0.75	O					65+10	0.7297	0.73	O				
60+ 5	0.7452	0.75	O					65+15	0.7294	0.73	O				
60+10	0.7450	0.74	O					65+20	0.7292	0.73	O				
60+15	0.7447	0.74	O					65+25	0.7289	0.73	O				
60+20	0.7445	0.74	O					65+30	0.7287	0.73	O				
60+25	0.7442	0.74	O					65+35	0.7284	0.73	O				
60+30	0.7440	0.74	O					65+40	0.7282	0.73	O				
60+35	0.7437	0.74	O					65+45	0.7279	0.73	O				
60+40	0.7434	0.74	O					65+50	0.7277	0.73	O				
60+45	0.7432	0.74	O					65+55	0.7274	0.73	O				
60+50	0.7429	0.74	O					66+ 0	0.7272	0.73	O				
60+55	0.7427	0.74	O					66+ 5	0.7269	0.73	O				
61+ 0	0.7424	0.74	O					66+10	0.7266	0.73	O				
61+ 5	0.7422	0.74	O					66+15	0.7264	0.73	O				
61+10	0.7419	0.74	O					66+20	0.7261	0.73	O				
61+15	0.7416	0.74	O					66+25	0.7259	0.73	O				
61+20	0.7414	0.74	O					66+30	0.7256	0.73	O				
61+25	0.7411	0.74	O					66+35	0.7254	0.73	O				
61+30	0.7409	0.74	O					66+40	0.7251	0.73	O				
61+35	0.7406	0.74	O					66+45	0.7249	0.72	O				
61+40	0.7404	0.74	O					66+50	0.7246	0.72	O				
61+45	0.7401	0.74	O					66+55	0.7244	0.72	O				
61+50	0.7398	0.74	O					67+ 0	0.7241	0.72	O				
61+55	0.7396	0.74	O					67+ 5	0.7239	0.72	O				
62+ 0	0.7393	0.74	O					67+10	0.7236	0.72	O				
62+ 5	0.7391	0.74	O					67+15	0.7234	0.72	O				
62+10	0.7388	0.74	O					67+20	0.7231	0.72	O				
62+15	0.7386	0.74	O					67+25	0.7229	0.72	O				
62+20	0.7383	0.74	O					67+30	0.7226	0.72	O				
62+25	0.7381	0.74	O					67+35	0.7224	0.72	O				
62+30	0.7378	0.74	O					67+40	0.7221	0.72	O				
62+35	0.7375	0.74	O					67+45	0.7219	0.72	O				
62+40	0.7373	0.74	O					67+50	0.7216	0.72	O				
62+45	0.7370	0.74	O					67+55	0.7214	0.72	O				
62+50	0.7368	0.74	O					68+ 0	0.7211	0.72	O				
62+55	0.7365	0.74	O					68+ 5	0.7209	0.72	O				
63+ 0	0.7363	0.74	O					68+10	0.7206	0.72	O				
63+ 5	0.7360	0.74	O					68+15	0.7204	0.72	O				
63+10	0.7358	0.74	O					68+20	0.7201	0.72	O				
63+15	0.7355	0.74	O					68+25	0.7199	0.72	O				
63+20	0.7352	0.74	O					68+30	0.7196	0.72	O				
63+25	0.7350	0.73	O					68+35	0.7194	0.72	O				
63+30	0.7347	0.73	O					68+40	0.7191	0.72	O				
63+35	0.7345	0.73	O					68+45	0.7189	0.72	O				

68+50	0.7186	0.72	O					74+ 0	0.7027	0.70	O				
68+55	0.7184	0.72	O					74+ 5	0.7024	0.70	O				
69+ 0	0.7181	0.72	O					74+10	0.7021	0.70	O				
69+ 5	0.7179	0.72	O					74+15	0.7019	0.70	O				
69+10	0.7177	0.72	O					74+20	0.7016	0.70	O				
69+15	0.7174	0.72	O					74+25	0.7013	0.70	O				
69+20	0.7172	0.72	O					74+30	0.7010	0.70	O				
69+25	0.7169	0.72	O					74+35	0.7008	0.70	O				
69+30	0.7167	0.72	O					74+40	0.7005	0.70	O				
69+35	0.7164	0.72	O					74+45	0.7002	0.70	O				
69+40	0.7162	0.72	O					74+50	0.7000	0.70	O				
69+45	0.7159	0.72	O					74+55	0.6997	0.70	O				
69+50	0.7157	0.72	O					75+ 0	0.6994	0.70	O				
69+55	0.7154	0.72	O					75+ 5	0.6992	0.70	O				
70+ 0	0.7152	0.72	O					75+10	0.6989	0.70	O				
70+ 5	0.7149	0.71	O					75+15	0.6986	0.70	O				
70+10	0.7147	0.71	O					75+20	0.6984	0.70	O				
70+15	0.7144	0.71	O					75+25	0.6981	0.70	O				
70+20	0.7142	0.71	O					75+30	0.6978	0.70	O				
70+25	0.7139	0.71	O					75+35	0.6976	0.70	O				
70+30	0.7137	0.71	O					75+40	0.6973	0.70	O				
70+35	0.7134	0.71	O					75+45	0.6970	0.70	O				
70+40	0.7132	0.71	O					75+50	0.6967	0.70	O				
70+45	0.7129	0.71	O					75+55	0.6965	0.70	O				
70+50	0.7127	0.71	O					76+ 0	0.6962	0.70	O				
70+55	0.7125	0.71	O					76+ 5	0.6959	0.70	O				
71+ 0	0.7122	0.71	O					76+10	0.6957	0.70	O				
71+ 5	0.7120	0.71	O					76+15	0.6954	0.70	O				
71+10	0.7117	0.71	O					76+20	0.6951	0.70	O				
71+15	0.7115	0.71	O					76+25	0.6949	0.69	O				
71+20	0.7112	0.71	O					76+30	0.6946	0.69	O				
71+25	0.7110	0.71	O					76+35	0.6943	0.69	O				
71+30	0.7107	0.71	O					76+40	0.6941	0.69	O				
71+35	0.7105	0.71	O					76+45	0.6938	0.69	O				
71+40	0.7102	0.71	O					76+50	0.6935	0.69	O				
71+45	0.7100	0.71	O					76+55	0.6933	0.69	O				
71+50	0.7097	0.71	O					77+ 0	0.6930	0.69	O				
71+55	0.7094	0.71	O					77+ 5	0.6927	0.69	O				
72+ 0	0.7092	0.71	O					77+10	0.6925	0.69	O				
72+ 5	0.7089	0.71	O					77+15	0.6922	0.69	O				
72+10	0.7086	0.71	O					77+20	0.6919	0.69	O				
72+15	0.7084	0.71	O					77+25	0.6917	0.69	O				
72+20	0.7081	0.71	O					77+30	0.6914	0.69	O				
72+25	0.7078	0.71	O					77+35	0.6911	0.69	O				
72+30	0.7075	0.71	O					77+40	0.6909	0.69	O				
72+35	0.7073	0.71	O					77+45	0.6906	0.69	O				
72+40	0.7070	0.71	O					77+50	0.6903	0.69	O				
72+45	0.7067	0.71	O					77+55	0.6901	0.69	O				
72+50	0.7065	0.71	O					78+ 0	0.6898	0.69	O				
72+55	0.7062	0.71	O					78+ 5	0.6896	0.69	O				
73+ 0	0.7059	0.71	O					78+10	0.6893	0.69	O				
73+ 5	0.7056	0.71	O					78+15	0.6890	0.69	O				
73+10	0.7054	0.71	O					78+20	0.6888	0.69	O				
73+15	0.7051	0.71	O					78+25	0.6885	0.69	O				
73+20	0.7048	0.70	O					78+30	0.6882	0.69	O				
73+25	0.7046	0.70	O					78+35	0.6880	0.69	O				
73+30	0.7043	0.70	O					78+40	0.6877	0.69	O				
73+35	0.7040	0.70	O					78+45	0.6874	0.69	O				
73+40	0.7037	0.70	O					78+50	0.6872	0.69	O				
73+45	0.7035	0.70	O					78+55	0.6869	0.69	O				
73+50	0.7032	0.70	O					79+ 0	0.6866	0.69	O				
73+55	0.7029	0.70	O					79+ 5	0.6864	0.69	O				

79+10	0.6861	0.69	O					84+20	0.6700	0.67	O				
79+15	0.6859	0.69	O					84+25	0.6697	0.67	O				
79+20	0.6856	0.69	O					84+30	0.6694	0.67	O				
79+25	0.6853	0.69	O					84+35	0.6692	0.67	O				
79+30	0.6851	0.69	O					84+40	0.6689	0.67	O				
79+35	0.6848	0.68	O					84+45	0.6687	0.67	O				
79+40	0.6845	0.68	O					84+50	0.6684	0.67	O				
79+45	0.6843	0.68	O					84+55	0.6682	0.67	O				
79+50	0.6840	0.68	O					85+ 0	0.6679	0.67	O				
79+55	0.6837	0.68	O					85+ 5	0.6676	0.67	O				
80+ 0	0.6835	0.68	O					85+10	0.6674	0.67	O				
80+ 5	0.6832	0.68	O					85+15	0.6671	0.67	O				
80+10	0.6830	0.68	O					85+20	0.6669	0.67	O				
80+15	0.6827	0.68	O					85+25	0.6666	0.67	O				
80+20	0.6824	0.68	O					85+30	0.6664	0.67	O				
80+25	0.6822	0.68	O					85+35	0.6661	0.67	O				
80+30	0.6819	0.68	O					85+40	0.6659	0.67	O				
80+35	0.6816	0.68	O					85+45	0.6656	0.67	O				
80+40	0.6814	0.68	O					85+50	0.6653	0.67	O				
80+45	0.6811	0.68	O					85+55	0.6651	0.67	O				
80+50	0.6809	0.68	O					86+ 0	0.6648	0.66	O				
80+55	0.6806	0.68	O					86+ 5	0.6646	0.66	O				
81+ 0	0.6803	0.68	O					86+10	0.6643	0.66	O				
81+ 5	0.6801	0.68	O					86+15	0.6641	0.66	O				
81+10	0.6798	0.68	O					86+20	0.6638	0.66	O				
81+15	0.6796	0.68	O					86+25	0.6636	0.66	O				
81+20	0.6793	0.68	O					86+30	0.6633	0.66	O				
81+25	0.6790	0.68	O					86+35	0.6630	0.66	O				
81+30	0.6788	0.68	O					86+40	0.6628	0.66	O				
81+35	0.6785	0.68	O					86+45	0.6625	0.66	O				
81+40	0.6783	0.68	O					86+50	0.6623	0.66	O				
81+45	0.6780	0.68	O					86+55	0.6620	0.66	O				
81+50	0.6777	0.68	O					87+ 0	0.6618	0.66	O				
81+55	0.6775	0.68	O					87+ 5	0.6615	0.66	O				
82+ 0	0.6772	0.68	O					87+10	0.6613	0.66	O				
82+ 5	0.6770	0.68	O					87+15	0.6610	0.66	O				
82+10	0.6767	0.68	O					87+20	0.6608	0.66	O				
82+15	0.6764	0.68	O					87+25	0.6605	0.66	O				
82+20	0.6762	0.68	O					87+30	0.6602	0.66	O				
82+25	0.6759	0.68	O					87+35	0.6600	0.66	O				
82+30	0.6757	0.68	O					87+40	0.6597	0.66	O				
82+35	0.6754	0.68	O					87+45	0.6593	0.66	O				
82+40	0.6751	0.68	O					87+50	0.6590	0.66	O				
82+45	0.6749	0.67	O					87+55	0.6586	0.66	O				
82+50	0.6746	0.67	O					88+ 0	0.6583	0.66	O				
82+55	0.6744	0.67	O					88+ 5	0.6580	0.66	O				
83+ 0	0.6741	0.67	O					88+10	0.6576	0.66	O				
83+ 5	0.6738	0.67	O					88+15	0.6573	0.66	O				
83+10	0.6736	0.67	O					88+20	0.6569	0.66	O				
83+15	0.6733	0.67	O					88+25	0.6566	0.66	O				
83+20	0.6731	0.67	O					88+30	0.6563	0.66	O				
83+25	0.6728	0.67	O					88+35	0.6559	0.66	O				
83+30	0.6725	0.67	O					88+40	0.6556	0.66	O				
83+35	0.6723	0.67	O					88+45	0.6552	0.66	O				
83+40	0.6720	0.67	O					88+50	0.6549	0.65	O				
83+45	0.6718	0.67	O					88+55	0.6546	0.65	O				
83+50	0.6715	0.67	O					89+ 0	0.6542	0.65	O				
83+55	0.6713	0.67	O					89+ 5	0.6539	0.65	O				
84+ 0	0.6710	0.67	O					89+10	0.6535	0.65	O				
84+ 5	0.6707	0.67	O					89+15	0.6532	0.65	O				
84+10	0.6705	0.67	O					89+20	0.6529	0.65	O				
84+15	0.6702	0.67	O					89+25	0.6525	0.65	O				

89+30	0.6522	0.65	O					94+40	0.6316	0.63	O				
89+35	0.6519	0.65	O					94+45	0.6313	0.63	O				
89+40	0.6515	0.65	O					94+50	0.6310	0.63	O				
89+45	0.6512	0.65	O					94+55	0.6307	0.63	O				
89+50	0.6509	0.65	O					95+ 0	0.6303	0.63	O				
89+55	0.6505	0.65	O					95+ 5	0.6300	0.63	O				
90+ 0	0.6502	0.65	O					95+10	0.6297	0.63	O				
90+ 5	0.6498	0.65	O					95+15	0.6294	0.63	O				
90+10	0.6495	0.65	O					95+20	0.6290	0.63	O				
90+15	0.6492	0.65	O					95+25	0.6287	0.63	O				
90+20	0.6488	0.65	O					95+30	0.6284	0.63	O				
90+25	0.6485	0.65	O					95+35	0.6281	0.63	O				
90+30	0.6482	0.65	O					95+40	0.6277	0.63	O				
90+35	0.6478	0.65	O					95+45	0.6274	0.63	O				
90+40	0.6475	0.65	O					95+50	0.6271	0.63	O				
90+45	0.6472	0.65	O					95+55	0.6268	0.63	O				
90+50	0.6468	0.65	O					96+ 0	0.6264	0.63	O				
90+55	0.6465	0.65	O					96+ 5	0.6261	0.63	O				
91+ 0	0.6462	0.65	O					96+10	0.6258	0.63	O				
91+ 5	0.6458	0.65	O					96+15	0.6255	0.63	O				
91+10	0.6455	0.65	O					96+20	0.6252	0.63	O				
91+15	0.6452	0.65	O					96+25	0.6248	0.62	O				
91+20	0.6448	0.64	O					96+30	0.6245	0.62	O				
91+25	0.6445	0.64	O					96+35	0.6242	0.62	O				
91+30	0.6442	0.64	O					96+40	0.6239	0.62	O				
91+35	0.6438	0.64	O					96+45	0.6235	0.62	O				
91+40	0.6435	0.64	O					96+50	0.6232	0.62	O				
91+45	0.6432	0.64	O					96+55	0.6229	0.62	O				
91+50	0.6428	0.64	O					97+ 0	0.6226	0.62	O				
91+55	0.6425	0.64	O					97+ 5	0.6223	0.62	O				
92+ 0	0.6422	0.64	O					97+10	0.6219	0.62	O				
92+ 5	0.6418	0.64	O					97+15	0.6216	0.62	O				
92+10	0.6415	0.64	O					97+20	0.6213	0.62	O				
92+15	0.6412	0.64	O					97+25	0.6210	0.62	O				
92+20	0.6408	0.64	O					97+30	0.6206	0.62	O				
92+25	0.6405	0.64	O					97+35	0.6203	0.62	O				
92+30	0.6402	0.64	O					97+40	0.6200	0.62	O				
92+35	0.6399	0.64	O					97+45	0.6197	0.62	O				
92+40	0.6395	0.64	O					97+50	0.6194	0.62	O				
92+45	0.6392	0.64	O					97+55	0.6190	0.62	O				
92+50	0.6389	0.64	O					98+ 0	0.6187	0.62	O				
92+55	0.6385	0.64	O					98+ 5	0.6184	0.62	O				
93+ 0	0.6382	0.64	O					98+10	0.6181	0.62	O				
93+ 5	0.6379	0.64	O					98+15	0.6178	0.62	O				
93+10	0.6375	0.64	O					98+20	0.6175	0.62	O				
93+15	0.6372	0.64	O					98+25	0.6171	0.62	O				
93+20	0.6369	0.64	O					98+30	0.6168	0.62	O				
93+25	0.6366	0.64	O					98+35	0.6165	0.62	O				
93+30	0.6362	0.64	O					98+40	0.6162	0.62	O				
93+35	0.6359	0.64	O					98+45	0.6159	0.62	O				
93+40	0.6356	0.64	O					98+50	0.6155	0.62	O				
93+45	0.6352	0.64	O					98+55	0.6152	0.62	O				
93+50	0.6349	0.63	O					99+ 0	0.6149	0.61	O				
93+55	0.6346	0.63	O					99+ 5	0.6146	0.61	O				
94+ 0	0.6343	0.63	O					99+10	0.6143	0.61	O				
94+ 5	0.6339	0.63	O					99+15	0.6140	0.61	O				
94+10	0.6336	0.63	O					99+20	0.6136	0.61	O				
94+15	0.6333	0.63	O					99+25	0.6133	0.61	O				
94+20	0.6330	0.63	O					99+30	0.6130	0.61	O				
94+25	0.6326	0.63	O					99+35	0.6127	0.61	O				
94+30	0.6323	0.63	O					99+40	0.6124	0.61	O				
94+35	0.6320	0.63	O					99+45	0.6121	0.61	O				

99+50	0.6117	0.61	O					105+ 0	0.5901	0.59	O				
99+55	0.6114	0.61	O					105+ 5	0.5897	0.59	O				
100+ 0	0.6111	0.61	O					105+10	0.5893	0.59	O				
100+ 5	0.6108	0.61	O					105+15	0.5889	0.59	O				
100+10	0.6105	0.61	O					105+20	0.5885	0.59	O				
100+15	0.6102	0.61	O					105+25	0.5881	0.59	O				
100+20	0.6098	0.61	O					105+30	0.5877	0.59	O				
100+25	0.6095	0.61	O					105+35	0.5873	0.59	O				
100+30	0.6092	0.61	O					105+40	0.5869	0.59	O				
100+35	0.6089	0.61	O					105+45	0.5865	0.59	O				
100+40	0.6086	0.61	O					105+50	0.5861	0.59	O				
100+45	0.6083	0.61	O					105+55	0.5858	0.59	O				
100+50	0.6080	0.61	O					106+ 0	0.5854	0.59	O				
100+55	0.6076	0.61	O					106+ 5	0.5850	0.58	O				
101+ 0	0.6073	0.61	O					106+10	0.5846	0.58	O				
101+ 5	0.6070	0.61	O					106+15	0.5842	0.58	O				
101+10	0.6067	0.61	O					106+20	0.5838	0.58	O				
101+15	0.6064	0.61	O					106+25	0.5834	0.58	O				
101+20	0.6061	0.61	O					106+30	0.5830	0.58	O				
101+25	0.6058	0.61	O					106+35	0.5826	0.58	O				
101+30	0.6054	0.61	O					106+40	0.5822	0.58	O				
101+35	0.6051	0.61	O					106+45	0.5818	0.58	O				
101+40	0.6048	0.60	O					106+50	0.5814	0.58	O				
101+45	0.6045	0.60	O					106+55	0.5810	0.58	O				
101+50	0.6042	0.60	O					107+ 0	0.5806	0.58	O				
101+55	0.6039	0.60	O					107+ 5	0.5802	0.58	O				
102+ 0	0.6036	0.60	O					107+10	0.5798	0.58	O				
102+ 5	0.6033	0.60	O					107+15	0.5794	0.58	O				
102+10	0.6030	0.60	O					107+20	0.5790	0.58	O				
102+15	0.6026	0.60	O					107+25	0.5787	0.58	O				
102+20	0.6023	0.60	O					107+30	0.5783	0.58	O				
102+25	0.6020	0.60	O					107+35	0.5779	0.58	O				
102+30	0.6017	0.60	O					107+40	0.5775	0.58	O				
102+35	0.6014	0.60	O					107+45	0.5771	0.58	O				
102+40	0.6011	0.60	O					107+50	0.5767	0.58	O				
102+45	0.6008	0.60	O					107+55	0.5763	0.58	O				
102+50	0.6005	0.60	O					108+ 0	0.5759	0.58	O				
102+55	0.6002	0.60	O					108+ 5	0.5755	0.58	O				
103+ 0	0.5998	0.60	O					108+10	0.5751	0.58	O				
103+ 5	0.5994	0.60	O					108+15	0.5748	0.57	O				
103+10	0.5990	0.60	O					108+20	0.5744	0.57	O				
103+15	0.5986	0.60	O					108+25	0.5740	0.57	O				
103+20	0.5982	0.60	O					108+30	0.5736	0.57	O				
103+25	0.5978	0.60	O					108+35	0.5732	0.57	O				
103+30	0.5974	0.60	O					108+40	0.5728	0.57	O				
103+35	0.5970	0.60	O					108+45	0.5724	0.57	O				
103+40	0.5966	0.60	O					108+50	0.5720	0.57	O				
103+45	0.5962	0.60	O					108+55	0.5716	0.57	O				
103+50	0.5958	0.60	O					109+ 0	0.5713	0.57	O				
103+55	0.5953	0.60	O					109+ 5	0.5709	0.57	O				
104+ 0	0.5949	0.59	O					109+10	0.5705	0.57	O				
104+ 5	0.5945	0.59	O					109+15	0.5701	0.57	O				
104+10	0.5941	0.59	O					109+20	0.5697	0.57	O				
104+15	0.5937	0.59	O					109+25	0.5693	0.57	O				
104+20	0.5933	0.59	O					109+30	0.5689	0.57	O				
104+25	0.5929	0.59	O					109+35	0.5686	0.57	O				
104+30	0.5925	0.59	O					109+40	0.5682	0.57	O				
104+35	0.5921	0.59	O					109+45	0.5678	0.57	O				
104+40	0.5917	0.59	O					109+50	0.5674	0.57	O				
104+45	0.5913	0.59	O					109+55	0.5670	0.57	O				
104+50	0.5909	0.59	O					110+ 0	0.5666	0.57	O				
104+55	0.5905	0.59	O					110+ 5	0.5663	0.57	O				

110+10	0.5659	0.57	O					115+20	0.5426	0.54	O				
110+15	0.5655	0.57	O					115+25	0.5422	0.54	O				
110+20	0.5651	0.57	O					115+30	0.5419	0.54	O				
110+25	0.5647	0.56	O					115+35	0.5415	0.54	O				
110+30	0.5643	0.56	O					115+40	0.5411	0.54	O				
110+35	0.5640	0.56	O					115+45	0.5408	0.54	O				
110+40	0.5636	0.56	O					115+50	0.5404	0.54	O				
110+45	0.5632	0.56	O					115+55	0.5400	0.54	O				
110+50	0.5628	0.56	O					116+ 0	0.5397	0.54	O				
110+55	0.5624	0.56	O					116+ 5	0.5393	0.54	O				
111+ 0	0.5621	0.56	O					116+10	0.5389	0.54	O				
111+ 5	0.5617	0.56	O					116+15	0.5386	0.54	O				
111+10	0.5613	0.56	O					116+20	0.5382	0.54	O				
111+15	0.5609	0.56	O					116+25	0.5379	0.54	O				
111+20	0.5605	0.56	O					116+30	0.5375	0.54	O				
111+25	0.5602	0.56	O					116+35	0.5371	0.54	O				
111+30	0.5598	0.56	O					116+40	0.5368	0.54	O				
111+35	0.5594	0.56	O					116+45	0.5364	0.54	O				
111+40	0.5590	0.56	O					116+50	0.5360	0.54	O				
111+45	0.5586	0.56	O					116+55	0.5357	0.54	O				
111+50	0.5583	0.56	O					117+ 0	0.5353	0.54	O				
111+55	0.5579	0.56	O					117+ 5	0.5349	0.53	O				
112+ 0	0.5575	0.56	O					117+10	0.5346	0.53	O				
112+ 5	0.5571	0.56	O					117+15	0.5342	0.53	O				
112+10	0.5567	0.56	O					117+20	0.5339	0.53	O				
112+15	0.5564	0.56	O					117+25	0.5335	0.53	O				
112+20	0.5560	0.56	O					117+30	0.5331	0.53	O				
112+25	0.5556	0.56	O					117+35	0.5328	0.53	O				
112+30	0.5552	0.56	O					117+40	0.5324	0.53	O				
112+35	0.5549	0.55	O					117+45	0.5321	0.53	O				
112+40	0.5545	0.55	O					117+50	0.5317	0.53	O				
112+45	0.5541	0.55	O					117+55	0.5313	0.53	O				
112+50	0.5537	0.55	O					118+ 0	0.5310	0.53	O				
112+55	0.5534	0.55	O					118+ 5	0.5306	0.53	O				
113+ 0	0.5530	0.55	O					118+10	0.5303	0.53	O				
113+ 5	0.5526	0.55	O					118+15	0.5298	0.53	O				
113+10	0.5522	0.55	O					118+20	0.5294	0.53	O				
113+15	0.5519	0.55	O					118+25	0.5289	0.53	O				
113+20	0.5515	0.55	O					118+30	0.5284	0.53	O				
113+25	0.5511	0.55	O					118+35	0.5279	0.53	O				
113+30	0.5507	0.55	O					118+40	0.5274	0.53	O				
113+35	0.5504	0.55	O					118+45	0.5269	0.53	O				
113+40	0.5500	0.55	O					118+50	0.5264	0.53	O				
113+45	0.5496	0.55	O					118+55	0.5259	0.53	O				
113+50	0.5493	0.55	O					119+ 0	0.5254	0.53	O				
113+55	0.5489	0.55	O					119+ 5	0.5249	0.52	O				
114+ 0	0.5485	0.55	O					119+10	0.5244	0.52	O				
114+ 5	0.5481	0.55	O					119+15	0.5239	0.52	O				
114+10	0.5478	0.55	O					119+20	0.5234	0.52	O				
114+15	0.5474	0.55	O					119+25	0.5230	0.52	O				
114+20	0.5470	0.55	O					119+30	0.5225	0.52	O				
114+25	0.5467	0.55	O					119+35	0.5220	0.52	O				
114+30	0.5463	0.55	O					119+40	0.5215	0.52	O				
114+35	0.5459	0.55	O					119+45	0.5210	0.52	O				
114+40	0.5456	0.55	O					119+50	0.5205	0.52	O				
114+45	0.5452	0.55	O					119+55	0.5200	0.52	O				
114+50	0.5448	0.54	O					120+ 0	0.5195	0.52	O				
114+55	0.5444	0.54	O					120+ 5	0.5191	0.52	O				
115+ 0	0.5441	0.54	O					120+10	0.5186	0.52	O				
115+ 5	0.5437	0.54	O					120+15	0.5181	0.52	O				
115+10	0.5433	0.54	O					120+20	0.5176	0.52	O				
115+15	0.5430	0.54	O					120+25	0.5171	0.52	O				

120+30	0.5166	0.52	| O	|	|	|	|	125+40	0.4875	0.49	|O	|	|	|	|
120+35	0.5161	0.52	| O	|	|	|	|	125+45	0.4870	0.49	|O	|	|	|	|
120+40	0.5157	0.52	| O	|	|	|	|	125+50	0.4866	0.49	|O	|	|	|	|
120+45	0.5152	0.52	| O	|	|	|	|	125+55	0.4861	0.49	|O	|	|	|	|
120+50	0.5147	0.51	| O	|	|	|	|	126+ 0	0.4857	0.49	|O	|	|	|	|
120+55	0.5142	0.51	| O	|	|	|	|	126+ 5	0.4852	0.49	|O	|	|	|	|
121+ 0	0.5137	0.51	| O	|	|	|	|	126+10	0.4848	0.48	|O	|	|	|	|
121+ 5	0.5133	0.51	| O	|	|	|	|	126+15	0.4843	0.48	|O	|	|	|	|
121+10	0.5128	0.51	| O	|	|	|	|	126+20	0.4839	0.48	|O	|	|	|	|
121+15	0.5123	0.51	| O	|	|	|	|	126+25	0.4834	0.48	|O	|	|	|	|
121+20	0.5118	0.51	| O	|	|	|	|	126+30	0.4830	0.48	|O	|	|	|	|
121+25	0.5113	0.51	| O	|	|	|	|	126+35	0.4825	0.48	|O	|	|	|	|
121+30	0.5109	0.51	| O	|	|	|	|	126+40	0.4821	0.48	|O	|	|	|	|
121+35	0.5104	0.51	| O	|	|	|	|	126+45	0.4816	0.48	|O	|	|	|	|
121+40	0.5099	0.51	| O	|	|	|	|	126+50	0.4812	0.48	|O	|	|	|	|
121+45	0.5094	0.51	| O	|	|	|	|	126+55	0.4807	0.48	|O	|	|	|	|
121+50	0.5090	0.51	| O	|	|	|	|	127+ 0	0.4803	0.48	|O	|	|	|	|
121+55	0.5085	0.51	| O	|	|	|	|	127+ 5	0.4798	0.48	|O	|	|	|	|
122+ 0	0.5080	0.51	| O	|	|	|	|	127+10	0.4794	0.48	|O	|	|	|	|
122+ 5	0.5075	0.51	|O	|	|	|	|	127+15	0.4789	0.48	|O	|	|	|	|
122+10	0.5070	0.51	|O	|	|	|	|	127+20	0.4785	0.48	|O	|	|	|	|
122+15	0.5066	0.51	|O	|	|	|	|	127+25	0.4780	0.48	|O	|	|	|	|
122+20	0.5061	0.51	|O	|	|	|	|	127+30	0.4776	0.48	|O	|	|	|	|
122+25	0.5056	0.51	|O	|	|	|	|	127+35	0.4771	0.48	|O	|	|	|	|
122+30	0.5052	0.51	|O	|	|	|	|	127+40	0.4767	0.48	|O	|	|	|	|
122+35	0.5047	0.50	|O	|	|	|	|	127+45	0.4762	0.48	|O	|	|	|	|
122+40	0.5042	0.50	|O	|	|	|	|	127+50	0.4758	0.48	|O	|	|	|	|
122+45	0.5037	0.50	|O	|	|	|	|	127+55	0.4753	0.48	|O	|	|	|	|
122+50	0.5033	0.50	|O	|	|	|	|	128+ 0	0.4749	0.47	|O	|	|	|	|
122+55	0.5028	0.50	|O	|	|	|	|	128+ 5	0.4744	0.47	|O	|	|	|	|
123+ 0	0.5023	0.50	|O	|	|	|	|	128+10	0.4740	0.47	|O	|	|	|	|
123+ 5	0.5019	0.50	|O	|	|	|	|	128+15	0.4736	0.47	|O	|	|	|	|
123+10	0.5014	0.50	|O	|	|	|	|	128+20	0.4731	0.47	|O	|	|	|	|
123+15	0.5009	0.50	|O	|	|	|	|	128+25	0.4727	0.47	|O	|	|	|	|
123+20	0.5004	0.50	|O	|	|	|	|	128+30	0.4722	0.47	|O	|	|	|	|
123+25	0.5000	0.50	|O	|	|	|	|	128+35	0.4718	0.47	|O	|	|	|	|
123+30	0.4995	0.50	|O	|	|	|	|	128+40	0.4713	0.47	|O	|	|	|	|
123+35	0.4990	0.50	|O	|	|	|	|	128+45	0.4709	0.47	|O	|	|	|	|
123+40	0.4986	0.50	|O	|	|	|	|	128+50	0.4705	0.47	|O	|	|	|	|
123+45	0.4981	0.50	|O	|	|	|	|	128+55	0.4700	0.47	|O	|	|	|	|
123+50	0.4976	0.50	|O	|	|	|	|	129+ 0	0.4696	0.47	|O	|	|	|	|
123+55	0.4972	0.50	|O	|	|	|	|	129+ 5	0.4691	0.47	|O	|	|	|	|
124+ 0	0.4967	0.50	|O	|	|	|	|	129+10	0.4687	0.47	|O	|	|	|	|
124+ 5	0.4962	0.50	|O	|	|	|	|	129+15	0.4683	0.47	|O	|	|	|	|
124+10	0.4958	0.50	|O	|	|	|	|	129+20	0.4678	0.47	|O	|	|	|	|
124+15	0.4953	0.50	|O	|	|	|	|	129+25	0.4674	0.47	|O	|	|	|	|
124+20	0.4949	0.49	|O	|	|	|	|	129+30	0.4669	0.47	|O	|	|	|	|
124+25	0.4944	0.49	|O	|	|	|	|	129+35	0.4665	0.47	|O	|	|	|	|
124+30	0.4939	0.49	|O	|	|	|	|	129+40	0.4661	0.47	|O	|	|	|	|
124+35	0.4935	0.49	|O	|	|	|	|	129+45	0.4656	0.47	|O	|	|	|	|
124+40	0.4930	0.49	|O	|	|	|	|	129+50	0.4652	0.47	|O	|	|	|	|
124+45	0.4925	0.49	|O	|	|	|	|	129+55	0.4648	0.46	|O	|	|	|	|
124+50	0.4921	0.49	|O	|	|	|	|	130+ 0	0.4643	0.46	|O	|	|	|	|
124+55	0.4916	0.49	|O	|	|	|	|	130+ 5	0.4639	0.46	|O	|	|	|	|
125+ 0	0.4912	0.49	|O	|	|	|	|	130+10	0.4635	0.46	|O	|	|	|	|
125+ 5	0.4907	0.49	|O	|	|	|	|	130+15	0.4630	0.46	|O	|	|	|	|
125+10	0.4902	0.49	|O	|	|	|	|	130+20	0.4626	0.46	|O	|	|	|	|
125+15	0.4898	0.49	|O	|	|	|	|	130+25	0.4622	0.46	|O	|	|	|	|
125+20	0.4893	0.49	|O	|	|	|	|	130+30	0.4617	0.46	|O	|	|	|	|
125+25	0.4889	0.49	|O	|	|	|	|	130+35	0.4613	0.46	|O	|	|	|	|
125+30	0.4884	0.49	|O	|	|	|	|	130+40	0.4609	0.46	|O	|	|	|	|
125+35	0.4880	0.49	|O	|	|	|	|	130+45	0.4604	0.46	|O	|	|	|	|

130+50	0.4600	0.46	|O	|	|	|	|
130+55	0.4596	0.46	|O	|	|	|	|
131+ 0	0.4591	0.46	|O	|	|	|	|
131+ 5	0.4587	0.46	|O	|	|	|	|
131+10	0.4583	0.46	|O	|	|	|	|
131+15	0.4579	0.46	|O	|	|	|	|
131+20	0.4574	0.46	|O	|	|	|	|
131+25	0.4570	0.46	|O	|	|	|	|
131+30	0.4566	0.46	|O	|	|	|	|
131+35	0.4561	0.46	|O	|	|	|	|
131+40	0.4557	0.46	|O	|	|	|	|
131+45	0.4553	0.46	|O	|	|	|	|
131+50	0.4549	0.45	|O	|	|	|	|
131+55	0.4544	0.45	|O	|	|	|	|
132+ 0	0.4540	0.45	|O	|	|	|	|
132+ 5	0.4536	0.45	|O	|	|	|	|
132+10	0.4532	0.45	|O	|	|	|	|
132+15	0.4527	0.45	|O	|	|	|	|
132+20	0.4523	0.45	|O	|	|	|	|
132+25	0.4519	0.45	|O	|	|	|	|
132+30	0.4515	0.45	|O	|	|	|	|
132+35	0.4511	0.45	|O	|	|	|	|
132+40	0.4506	0.45	|O	|	|	|	|
132+45	0.4502	0.45	|O	|	|	|	|
132+50	0.4498	0.45	|O	|	|	|	|
132+55	0.4494	0.45	|O	|	|	|	|
133+ 0	0.4489	0.45	|O	|	|	|	|
133+ 5	0.4485	0.45	|O	|	|	|	|
133+10	0.4481	0.45	|O	|	|	|	|
133+15	0.4477	0.45	|O	|	|	|	|
133+20	0.4473	0.45	|O	|	|	|	|
133+25	0.4468	0.45	|O	|	|	|	|
133+30	0.4464	0.45	|O	|	|	|	|
133+35	0.4460	0.45	|O	|	|	|	|
133+40	0.4456	0.45	|O	|	|	|	|
133+45	0.4452	0.45	|O	|	|	|	|
133+50	0.4448	0.44	|O	|	|	|	|
133+55	0.4443	0.44	|O	|	|	|	|
134+ 0	0.4439	0.44	|O	|	|	|	|
134+ 5	0.4435	0.44	|O	|	|	|	|
134+10	0.4431	0.44	|O	|	|	|	|
134+15	0.4427	0.44	|O	|	|	|	|
134+20	0.4423	0.44	|O	|	|	|	|
134+25	0.4419	0.44	|O	|	|	|	|
134+30	0.4414	0.44	|O	|	|	|	|
134+35	0.4410	0.44	|O	|	|	|	|
134+40	0.4406	0.44	|O	|	|	|	|
134+45	0.4402	0.44	|O	|	|	|	|
134+50	0.4398	0.44	|O	|	|	|	|
134+55	0.4394	0.44	|O	|	|	|	|
135+ 0	0.4390	0.44	|O	|	|	|	|
135+ 5	0.4386	0.44	|O	|	|	|	|
135+10	0.4381	0.44	|O	|	|	|	|
135+15	0.4377	0.44	|O	|	|	|	|
135+20	0.4373	0.44	|O	|	|	|	|
135+25	0.4369	0.44	|O	|	|	|	|
135+30	0.4365	0.44	|O	|	|	|	|
135+35	0.4361	0.44	|O	|	|	|	|
135+40	0.4357	0.44	|O	|	|	|	|
135+45	0.4353	0.44	|O	|	|	|	|
135+50	0.4349	0.43	|O	|	|	|	|
135+55	0.4345	0.43	|O	|	|	|	|
136+ 0	0.4341	0.43	|O	|	|	|	|
136+ 5	0.4337	0.43	|O	|	|	|	|
136+10	0.4333	0.43	|O	|	|	|	|
136+15	0.4328	0.43	|O	|	|	|	|
136+20	0.4324	0.43	|O	|	|	|	|
136+25	0.4320	0.43	|O	|	|	|	|
136+30	0.4316	0.43	|O	|	|	|	|
136+35	0.4312	0.43	|O	|	|	|	|
136+40	0.4308	0.43	|O	|	|	|	|
136+45	0.4304	0.43	|O	|	|	|	|
136+50	0.4300	0.43	|O	|	|	|	|
136+55	0.4296	0.43	|O	|	|	|	|
137+ 0	0.4292	0.43	|O	|	|	|	|
137+ 5	0.4288	0.43	|O	|	|	|	|
137+10	0.4284	0.43	|O	|	|	|	|
137+15	0.4280	0.43	|O	|	|	|	|
137+20	0.4276	0.43	|O	|	|	|	|
137+25	0.4272	0.43	|O	|	|	|	|
137+30	0.4268	0.43	|O	|	|	|	|
137+35	0.4264	0.43	|O	|	|	|	|
137+40	0.4260	0.43	|O	|	|	|	|
137+45	0.4256	0.43	|O	|	|	|	|
137+50	0.4252	0.43	|O	|	|	|	|
137+55	0.4248	0.42	|O	|	|	|	|
138+ 0	0.4244	0.42	|O	|	|	|	|
138+ 5	0.4240	0.42	|O	|	|	|	|
138+10	0.4236	0.42	|O	|	|	|	|
138+15	0.4232	0.42	|O	|	|	|	|
138+20	0.4228	0.42	|O	|	|	|	|
138+25	0.4224	0.42	|O	|	|	|	|
138+30	0.4220	0.42	|O	|	|	|	|
138+35	0.4216	0.42	|O	|	|	|	|
138+40	0.4213	0.42	|O	|	|	|	|
138+45	0.4209	0.42	|O	|	|	|	|
138+50	0.4205	0.42	|O	|	|	|	|
138+55	0.4201	0.42	|O	|	|	|	|
139+ 0	0.4197	0.42	|O	|	|	|	|
139+ 5	0.4193	0.42	|O	|	|	|	|
139+10	0.4189	0.42	|O	|	|	|	|
139+15	0.4185	0.42	|O	|	|	|	|
139+20	0.4181	0.42	|O	|	|	|	|
139+25	0.4177	0.42	|O	|	|	|	|
139+30	0.4173	0.42	|O	|	|	|	|
139+35	0.4169	0.42	|O	|	|	|	|
139+40	0.4165	0.42	|O	|	|	|	|
139+45	0.4162	0.42	|O	|	|	|	|
139+50	0.4158	0.42	|O	|	|	|	|
139+55	0.4154	0.42	|O	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 3257
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 10.129 (CFS)
Total volume = 11.785 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.200 to Point/Station        9.500
**** STORE OR DELETE CURRENT HYDROGRAPH ****
________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 2 with
a starting time of   0.00 hours and ending time of  25.00 hours
With a total volume of       4.34(Ac.Ft)
**************************HYDROGRAPH DATA**************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000    10.129     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     4.342     0.000     0.000     0.000
************************************************************************


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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.600 to Point/Station        9.500
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
________________________________________________________________________
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP9C1003100.rte
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                 P R I N T  O F  S T O R M
               R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        2.0       3.9       5.9       7.8
------------------------------------------------------------------------
  0+ 5       0.1071      0.11  Q         |         |         |         |
  0+10       0.2195      0.22  |Q        |         |         |         |
  0+15       0.2152      0.22  |Q        |         |         |         |
  0+20       0.2326      0.23  |Q        |         |         |         |
  0+25       0.2653      0.27  |Q        |         |         |         |
  0+30       0.2939      0.29  |Q        |         |         |         |
  0+35       0.2956      0.30  |Q        |         |         |         |
  0+40       0.2972      0.30  |Q        |         |         |         |
  0+45       0.3211      0.32  |Q        |         |         |         |
  0+50       0.2985      0.30  |Q        |         |         |         |
  0+55       0.2808      0.28  |Q        |         |         |         |
  1+ 0       0.3034      0.30  |Q        |         |         |         |
  1+ 5       0.5570      0.56  | Q       |         |         |         |
  1+10       0.8061      0.81  |   Q     |         |         |         |
  1+15       0.8332      0.83  |   Q     |         |         |         |
  1+20       0.7192      0.72  |  Q      |         |         |         |
  1+25       0.9488      0.95  |   Q     |         |         |         |
  1+30       1.3648      1.36  |     Q   |         |         |         |
  1+35       1.2883      1.29  |     Q   |         |         |         |
  1+40       1.2919      1.29  |     Q   |         |         |         |
  1+45       1.8111      1.81  |        Q|         |         |         |
  1+50       2.0813      2.08  |         Q         |         |         |
  1+55       1.8830      1.88  |        Q|         |         |         |
  2+ 0       1.8106      1.81  |        Q|         |         |         |
  2+ 5       1.9159      1.92  |        Q|         |         |         |
  2+10       2.6298      2.63  |         |  Q      |         |         |
  2+15       3.7876      3.79  |         |       Q|         |         |
  2+20       3.4737      3.47  |         |      Q  |         |         |
  2+25       4.5529      4.55  |         |         |  Q      |         |
  2+30       6.7923      6.79  |         |         |         |   Q     |
  2+35       7.8378      7.84  |         |         |         |        Q|
  2+40       7.1046      7.10  |         |         |         |     Q   |
  2+45       3.4540      3.45  |         |      Q  |         |         |
  2+50       0.7818      0.78  |  Q      |         |         |         |
  2+55       0.3756      0.38  |Q        |         |         |         |
  3+ 0       0.2266      0.23  |Q        |         |         |         |
  3+ 5       0.0712      0.07  Q         |         |         |         |
  3+10       0.0080      0.01  Q         |         |         |         |
  3+15       0.0008      0.00  Q         |         |         |         |
------------------------------------------------------------------------
        **************************HYDROGRAPH DATA**************************
                Number of intervals =    39
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        7.838 (CFS)
                Total volume =       0.424 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000    10.129     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     4.342     0.000     0.000     0.000
        ************************************************************************


        ------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        9.500 to Point/Station        9.500
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        From stored stream number 2 the total
        volume of       4.34 (Ac.Ft) is being added to the
        current hydrograph at its original rate from user
        with a delay time to start of addition of    0.00 hours.
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
      Time(h+m) Add q(CFS)  Tot. Q   0        2.6       5.3       7.9      10.5
      ------------------------------------------------------------------------
        0+ 5       0.0281      0.14  Q         |         |         |         |
        0+10       0.1542      0.37  qQ        |         |         |         |
        0+15       0.3643      0.58  |qQ       |         |         |         |
        0+20       0.5249      0.76  |qQ       |         |         |         |
        0+25       0.6688      0.93  | qQ      |         |         |         |
        0+30       0.7874      1.08  | q Q     |         |         |         |
        0+35       0.8814      1.18  |  qQ     |         |         |         |
        0+40       0.9657      1.26  |  qQ     |         |         |         |
        0+45       1.0404      1.36  |  q Q    |         |         |         |
        0+50       1.1044      1.40  |   qQ    |         |         |         |
        0+55       1.1600      1.44  |   qQ    |         |         |         |
        1+ 0       1.2121      1.52  |   qQ    |         |         |         |
        1+ 5       1.2626      1.82  |   q Q   |         |         |         |
        1+10       1.3136      2.12  |    q  Q |         |         |         |
```

1+15	1.3675	2.20	| q Q |	|	|	|		6+25	2.1640	2.16	| Q |	|	|	|	
1+20	1.4209	2.14	| q Q |	|	|	|		6+30	2.1623	2.16	| Q |	|	|	|	
1+25	1.4687	2.42	| q Q|	|	|	|		6+35	2.1607	2.16	| Q |	|	|	|	
1+30	1.5145	2.88	| q Q |	|	|	|		6+40	2.1592	2.16	| Q |	|	|	|	
1+35	1.5635	2.85	| q Q |	|	|	|		6+45	2.1578	2.16	| Q |	|	|	|	
1+40	1.6096	2.90	| q |Q |	|	|	|		6+50	2.1564	2.16	| Q |	|	|	|	
1+45	1.6538	3.46	| q | Q |	|	|	|		6+55	2.1549	2.15	| Q |	|	|	|	
1+50	1.6990	3.78	| q | Q |	|	|	|		7+ 0	2.1535	2.15	| Q |	|	|	|	
1+55	1.7430	3.63	| q | Q |	|	|	|		7+ 5	2.1520	2.15	| Q |	|	|	|	
2+ 0	1.7820	3.59	| q | Q |	|	|	|		7+10	2.1506	2.15	| Q |	|	|	|	
2+ 5	1.8186	3.73	| q | Q |	|	|	|		7+15	2.1492	2.15	| Q |	|	|	|	
2+10	1.8556	4.49	| q | Q |	|	|	|		7+20	2.1477	2.15	| Q |	|	|	|	
2+15	1.8926	5.68	| q | |Q |	|	|	|		7+25	2.1463	2.15	| Q |	|	|	|	
2+20	1.9346	5.41	| q | Q |	|	|	|		7+30	2.1449	2.14	| Q |	|	|	|	
2+25	1.9797	6.53	| q | | Q |	|	|	|		7+35	2.1435	2.14	| Q |	|	|	|	
2+30	2.0262	8.82	| q | | | Q |	|	|	|		7+40	2.1420	2.14	| Q |	|	|	|	
2+35	2.0798	9.92	| q | | | | Q |	|	|	|		7+45	2.1406	2.14	| Q |	|	|	|	
2+40	2.1437	9.25	| q | | | Q |	|	|	|		7+50	2.1392	2.14	| Q |	|	|	|	
2+45	5.8971	9.35	| | | q | Q |	|	|	|		7+55	2.1377	2.14	| Q |	|	|	|	
2+50	9.1197	9.90	| | | | q Q |	|	|	|		8+ 0	2.1363	2.14	| Q |	|	|	|	
2+55	10.1294	10.50	| | | | q Q	|	|	|		8+ 5	2.1349	2.13	| Q |	|	|	|	
3+ 0	10.0352	10.26	| | | | qQ|	|	|	|		8+10	2.1335	2.13	| Q |	|	|	|	
3+ 5	9.2714	9.34	| | | | Q |	|	|	|		8+15	2.1321	2.13	| Q |	|	|	|	
3+10	8.0000	8.01	| | | | Q |	|	|	|		8+20	2.1306	2.13	| Q |	|	|	|	
3+15	6.6294	6.63	| | | | Q |	|	|	|		8+25	2.1292	2.13	| Q |	|	|	|	
3+20	5.4324	5.43	| | | Q |	|	|	|		8+30	2.1278	2.13	| Q |	|	|	|	
3+25	4.4619	4.46	| | Q |	|	|	|		8+35	2.1264	2.13	| Q |	|	|	|	
3+30	3.6922	3.69	| | Q |	|	|	|		8+40	2.1250	2.12	| Q |	|	|	|	
3+35	3.0868	3.09	| |Q |	|	|	|		8+45	2.1236	2.12	| Q |	|	|	|	
3+40	2.6119	2.61	| Q|	|	|	|		8+50	2.1222	2.12	| Q |	|	|	|	
3+45	2.2885	2.29	| Q |	|	|	|		8+55	2.1208	2.12	| Q |	|	|	|	
3+50	2.2170	2.22	| Q |	|	|	|		9+ 0	2.1193	2.12	| Q |	|	|	|	
3+55	2.2134	2.21	| Q |	|	|	|		9+ 5	2.1179	2.12	| Q |	|	|	|	
4+ 0	2.2117	2.21	| Q |	|	|	|		9+10	2.1165	2.12	| Q |	|	|	|	
4+ 5	2.2101	2.21	| Q |	|	|	|		9+15	2.1151	2.12	| Q |	|	|	|	
4+10	2.2084	2.21	| Q |	|	|	|		9+20	2.1135	2.11	| Q |	|	|	|	
4+15	2.2067	2.21	| Q |	|	|	|		9+25	2.1116	2.11	| Q |	|	|	|	
4+20	2.2051	2.21	| Q |	|	|	|		9+30	2.1097	2.11	| Q |	|	|	|	
4+25	2.2034	2.20	| Q |	|	|	|		9+35	2.1079	2.11	| Q |	|	|	|	
4+30	2.2017	2.20	| Q |	|	|	|		9+40	2.1060	2.11	| Q |	|	|	|	
4+35	2.2001	2.20	| Q |	|	|	|		9+45	2.1042	2.10	| Q |	|	|	|	
4+40	2.1984	2.20	| Q |	|	|	|		9+50	2.1023	2.10	| Q |	|	|	|	
4+45	2.1968	2.20	| Q |	|	|	|		9+55	2.1004	2.10	| Q |	|	|	|	
4+50	2.1951	2.20	| Q |	|	|	|		10+ 0	2.0986	2.10	| Q |	|	|	|	
4+55	2.1934	2.19	| Q |	|	|	|		10+ 5	2.0967	2.10	| Q |	|	|	|	
5+ 0	2.1918	2.19	| Q |	|	|	|		10+10	2.0949	2.09	| Q |	|	|	|	
5+ 5	2.1901	2.19	| Q |	|	|	|		10+15	2.0931	2.09	| Q |	|	|	|	
5+10	2.1885	2.19	| Q |	|	|	|		10+20	2.0912	2.09	| Q |	|	|	|	
5+15	2.1868	2.19	| Q |	|	|	|		10+25	2.0894	2.09	| Q |	|	|	|	
5+20	2.1852	2.19	| Q |	|	|	|		10+30	2.0875	2.09	| Q |	|	|	|	
5+25	2.1836	2.18	| Q |	|	|	|		10+35	2.0857	2.09	| Q |	|	|	|	
5+30	2.1819	2.18	| Q |	|	|	|		10+40	2.0839	2.08	| Q |	|	|	|	
5+35	2.1803	2.18	| Q |	|	|	|		10+45	2.0820	2.08	| Q |	|	|	|	
5+40	2.1786	2.18	| Q |	|	|	|		10+50	2.0802	2.08	| Q |	|	|	|	
5+45	2.1770	2.18	| Q |	|	|	|		10+55	2.0784	2.08	| Q |	|	|	|	
5+50	2.1754	2.18	| Q |	|	|	|		11+ 0	2.0766	2.08	| Q |	|	|	|	
5+55	2.1737	2.17	| Q |	|	|	|		11+ 5	2.0747	2.07	| Q |	|	|	|	
6+ 0	2.1721	2.17	| Q |	|	|	|		11+10	2.0729	2.07	| Q |	|	|	|	
6+ 5	2.1705	2.17	| Q |	|	|	|		11+15	2.0711	2.07	| Q |	|	|	|	
6+10	2.1688	2.17	| Q |	|	|	|		11+20	2.0693	2.07	| Q |	|	|	|	
6+15	2.1672	2.17	| Q |	|	|	|		11+25	2.0675	2.07	| Q |	|	|	|	
6+20	2.1656	2.17	| Q |	|	|	|		11+30	2.0657	2.07	| Q |	|	|	|	

11+35	2.0638	2.06	|	Q	|	|	|	|	16+45	1.9504	1.95	|	Q	|	|	|	|
11+40	2.0620	2.06	|	Q	|	|	|	|	16+50	1.9483	1.95	|	Q	|	|	|	|
11+45	2.0602	2.06	|	Q	|	|	|	|	16+55	1.9461	1.95	|	Q	|	|	|	|
11+50	2.0585	2.06	|	Q	|	|	|	|	17+ 0	1.9439	1.94	|	Q	|	|	|	|
11+55	2.0569	2.06	|	Q	|	|	|	|	17+ 5	1.9417	1.94	|	Q	|	|	|	|
12+ 0	2.0553	2.06	|	Q	|	|	|	|	17+10	1.9396	1.94	|	Q	|	|	|	|
12+ 5	2.0537	2.05	|	Q	|	|	|	|	17+15	1.9374	1.94	|	Q	|	|	|	|
12+10	2.0521	2.05	|	Q	|	|	|	|	17+20	1.9353	1.94	|	Q	|	|	|	|
12+15	2.0505	2.05	|	Q	|	|	|	|	17+25	1.9331	1.93	|	Q	|	|	|	|
12+20	2.0489	2.05	|	Q	|	|	|	|	17+30	1.9310	1.93	|	Q	|	|	|	|
12+25	2.0473	2.05	|	Q	|	|	|	|	17+35	1.9288	1.93	|	Q	|	|	|	|
12+30	2.0457	2.05	|	Q	|	|	|	|	17+40	1.9267	1.93	|	Q	|	|	|	|
12+35	2.0441	2.04	|	Q	|	|	|	|	17+45	1.9245	1.92	|	Q	|	|	|	|
12+40	2.0425	2.04	|	Q	|	|	|	|	17+50	1.9224	1.92	|	Q	|	|	|	|
12+45	2.0409	2.04	|	Q	|	|	|	|	17+55	1.9203	1.92	|	Q	|	|	|	|
12+50	2.0393	2.04	|	Q	|	|	|	|	18+ 0	1.9181	1.92	|	Q	|	|	|	|
12+55	2.0378	2.04	|	Q	|	|	|	|	18+ 5	1.9160	1.92	|	Q	|	|	|	|
13+ 0	2.0362	2.04	|	Q	|	|	|	|	18+10	1.9139	1.91	|	Q	|	|	|	|
13+ 5	2.0346	2.03	|	Q	|	|	|	|	18+15	1.9118	1.91	|	Q	|	|	|	|
13+10	2.0330	2.03	|	Q	|	|	|	|	18+20	1.9097	1.91	|	Q	|	|	|	|
13+15	2.0314	2.03	|	Q	|	|	|	|	18+25	1.9076	1.91	|	Q	|	|	|	|
13+20	2.0299	2.03	|	Q	|	|	|	|	18+30	1.9055	1.91	|	Q	|	|	|	|
13+25	2.0283	2.03	|	Q	|	|	|	|	18+35	1.9031	1.90	|	Q	|	|	|	|
13+30	2.0267	2.03	|	Q	|	|	|	|	18+40	1.9005	1.90	|	Q	|	|	|	|
13+35	2.0251	2.03	|	Q	|	|	|	|	18+45	1.8979	1.90	|	Q	|	|	|	|
13+40	2.0236	2.02	|	Q	|	|	|	|	18+50	1.8953	1.90	|	Q	|	|	|	|
13+45	2.0220	2.02	|	Q	|	|	|	|	18+55	1.8927	1.89	|	Q	|	|	|	|
13+50	2.0204	2.02	|	Q	|	|	|	|	19+ 0	1.8901	1.89	|	Q	|	|	|	|
13+55	2.0189	2.02	|	Q	|	|	|	|	19+ 5	1.8875	1.89	|	Q	|	|	|	|
14+ 0	2.0173	2.02	|	Q	|	|	|	|	19+10	1.8849	1.88	|	Q	|	|	|	|
14+ 5	2.0158	2.02	|	Q	|	|	|	|	19+15	1.8824	1.88	|	Q	|	|	|	|
14+10	2.0142	2.01	|	Q	|	|	|	|	19+20	1.8798	1.88	|	Q	|	|	|	|
14+15	2.0122	2.01	|	Q	|	|	|	|	19+25	1.8772	1.88	|	Q	|	|	|	|
14+20	2.0102	2.01	|	Q	|	|	|	|	19+30	1.8747	1.87	|	Q	|	|	|	|
14+25	2.0081	2.01	|	Q	|	|	|	|	19+35	1.8721	1.87	|	Q	|	|	|	|
14+30	2.0060	2.01	|	Q	|	|	|	|	19+40	1.8696	1.87	|	Q	|	|	|	|
14+35	2.0039	2.00	|	Q	|	|	|	|	19+45	1.8671	1.87	|	Q	|	|	|	|
14+40	2.0019	2.00	|	Q	|	|	|	|	19+50	1.8645	1.86	|	Q	|	|	|	|
14+45	1.9998	2.00	|	Q	|	|	|	|	19+55	1.8620	1.86	|	Q	|	|	|	|
14+50	1.9977	2.00	|	Q	|	|	|	|	20+ 0	1.8595	1.86	|	Q	|	|	|	|
14+55	1.9957	2.00	|	Q	|	|	|	|	20+ 5	1.8570	1.86	|	Q	|	|	|	|
15+ 0	1.9936	1.99	|	Q	|	|	|	|	20+10	1.8545	1.85	|	Q	|	|	|	|
15+ 5	1.9916	1.99	|	Q	|	|	|	|	20+15	1.8520	1.85	|	Q	|	|	|	|
15+10	1.9895	1.99	|	Q	|	|	|	|	20+20	1.8495	1.85	|	Q	|	|	|	|
15+15	1.9875	1.99	|	Q	|	|	|	|	20+25	1.8470	1.85	|	Q	|	|	|	|
15+20	1.9854	1.99	|	Q	|	|	|	|	20+30	1.8445	1.84	|	Q	|	|	|	|
15+25	1.9834	1.98	|	Q	|	|	|	|	20+35	1.8420	1.84	|	Q	|	|	|	|
15+30	1.9814	1.98	|	Q	|	|	|	|	20+40	1.8394	1.84	|	Q	|	|	|	|
15+35	1.9793	1.98	|	Q	|	|	|	|	20+45	1.8366	1.84	|	Q	|	|	|	|
15+40	1.9773	1.98	|	Q	|	|	|	|	20+50	1.8338	1.83	|	Q	|	|	|	|
15+45	1.9753	1.98	|	Q	|	|	|	|	20+55	1.8311	1.83	|	Q	|	|	|	|
15+50	1.9732	1.97	|	Q	|	|	|	|	21+ 0	1.8283	1.83	|	Q	|	|	|	|
15+55	1.9712	1.97	|	Q	|	|	|	|	21+ 5	1.8255	1.83	|	Q	|	|	|	|
16+ 0	1.9692	1.97	|	Q	|	|	|	|	21+10	1.8228	1.82	|	Q	|	|	|	|
16+ 5	1.9672	1.97	|	Q	|	|	|	|	21+15	1.8200	1.82	|	Q	|	|	|	|
16+10	1.9652	1.97	|	Q	|	|	|	|	21+20	1.8173	1.82	|	Q	|	|	|	|
16+15	1.9632	1.96	|	Q	|	|	|	|	21+25	1.8145	1.81	|	Q	|	|	|	|
16+20	1.9612	1.96	|	Q	|	|	|	|	21+30	1.8118	1.81	|	Q	|	|	|	|
16+25	1.9591	1.96	|	Q	|	|	|	|	21+35	1.8090	1.81	|	Q	|	|	|	|
16+30	1.9570	1.96	|	Q	|	|	|	|	21+40	1.8063	1.81	|	Q	|	|	|	|
16+35	1.9548	1.95	|	Q	|	|	|	|	21+45	1.8036	1.80	|	Q	|	|	|	|
16+40	1.9526	1.95	|	Q	|	|	|	|	21+50	1.8009	1.80	|	Q	|	|	|	|

21+55	1.7982	1.80	|	Q	|	|	|	|		27+ 5	0.0000	0.00	Q	|	|	|	|	
22+ 0	1.7955	1.80	|	Q	|	|	|	|		27+10	0.0000	0.00	Q	|	|	|	|	
22+ 5	1.7928	1.79	|	Q	|	|	|	|		27+15	0.0000	0.00	Q	|	|	|	|	
22+10	1.7901	1.79	|	Q	|	|	|	|		27+20	0.0000	0.00	Q	|	|	|	|	
22+15	1.7874	1.79	|	Q	|	|	|	|		27+25	0.0000	0.00	Q	|	|	|	|	
22+20	1.7848	1.78	|	Q	|	|	|	|		27+30	0.0000	0.00	Q	|	|	|	|	
22+25	1.7821	1.78	|	Q	|	|	|	|		27+35	0.0000	0.00	Q	|	|	|	|	
22+30	1.7794	1.78	|	Q	|	|	|	|		27+40	0.0000	0.00	Q	|	|	|	|	
22+35	1.7768	1.78	|	Q	|	|	|	|		27+45	0.0000	0.00	Q	|	|	|	|	
22+40	1.7741	1.77	|	Q	|	|	|	|		27+50	0.0000	0.00	Q	|	|	|	|	
22+45	1.7711	1.77	|	Q	|	|	|	|		27+55	0.0000	0.00	Q	|	|	|	|	
22+50	1.7680	1.77	|	Q	|	|	|	|		28+ 0	0.0000	0.00	Q	|	|	|	|	
22+55	1.7649	1.76	|	Q	|	|	|	|		28+ 5	0.0000	0.00	Q	|	|	|	|	
23+ 0	1.7619	1.76	|	Q	|	|	|	|		28+10	0.0000	0.00	Q	|	|	|	|	
23+ 5	1.7588	1.76	|	Q	|	|	|	|		28+15	0.0000	0.00	Q	|	|	|	|	
23+10	1.7558	1.76	|	Q	|	|	|	|		28+20	0.0000	0.00	Q	|	|	|	|	
23+15	1.7528	1.75	|	Q	|	|	|	|		28+25	0.0000	0.00	Q	|	|	|	|	
23+20	1.7497	1.75	|	Q	|	|	|	|		28+30	0.0000	0.00	Q	|	|	|	|	
23+25	1.7467	1.75	|	Q	|	|	|	|		28+35	0.0000	0.00	Q	|	|	|	|	
23+30	1.7437	1.74	|	Q	|	|	|	|		28+40	0.0000	0.00	Q	|	|	|	|	
23+35	1.7407	1.74	|	Q	|	|	|	|		28+45	0.0000	0.00	Q	|	|	|	|	
23+40	1.7377	1.74	|	Q	|	|	|	|		28+50	0.0000	0.00	Q	|	|	|	|	
23+45	1.7348	1.73	|	Q	|	|	|	|		28+55	0.0000	0.00	Q	|	|	|	|	
23+50	1.7318	1.73	|	Q	|	|	|	|		29+ 0	0.0000	0.00	Q	|	|	|	|	
23+55	1.7288	1.73	|	Q	|	|	|	|		29+ 5	0.0000	0.00	Q	|	|	|	|	
24+ 0	1.7259	1.73	|	Q	|	|	|	|		29+10	0.0000	0.00	Q	|	|	|	|	
24+ 5	1.7229	1.72	|	Q	|	|	|	|		29+15	0.0000	0.00	Q	|	|	|	|	
24+10	1.7200	1.72	|	Q	|	|	|	|		29+20	0.0000	0.00	Q	|	|	|	|	
24+15	1.7171	1.72	|	Q	|	|	|	|		29+25	0.0000	0.00	Q	|	|	|	|	
24+20	1.7141	1.71	|	Q	|	|	|	|		29+30	0.0000	0.00	Q	|	|	|	|	
24+25	1.7112	1.71	|	Q	|	|	|	|		29+35	0.0000	0.00	Q	|	|	|	|	
24+30	1.7082	1.71	|	Q	|	|	|	|		29+40	0.0000	0.00	Q	|	|	|	|	
24+35	1.7050	1.71	|	Q	|	|	|	|		29+45	0.0000	0.00	Q	|	|	|	|	
24+40	1.7018	1.70	|	Q	|	|	|	|		29+50	0.0000	0.00	Q	|	|	|	|	
24+45	1.6986	1.70	|	Q	|	|	|	|		29+55	0.0000	0.00	Q	|	|	|	|	
24+50	1.6954	1.70	|	Q	|	|	|	|		30+ 0	0.0000	0.00	Q	|	|	|	|	
24+55	1.6922	1.69	|	Q	|	|	|	|		30+ 5	0.0000	0.00	Q	|	|	|	|	
25+ 0	1.6890	1.69	|	Q	|	|	|	|		30+10	0.0000	0.00	Q	|	|	|	|	
25+ 5	0.0000	0.00	Q	|	|	|	|	|		30+15	0.0000	0.00	Q	|	|	|	|	
25+10	0.0000	0.00	Q	|	|	|	|	|		30+20	0.0000	0.00	Q	|	|	|	|	
25+15	0.0000	0.00	Q	|	|	|	|	|		30+25	0.0000	0.00	Q	|	|	|	|	
25+20	0.0000	0.00	Q	|	|	|	|	|		30+30	0.0000	0.00	Q	|	|	|	|	
25+25	0.0000	0.00	Q	|	|	|	|	|		30+35	0.0000	0.00	Q	|	|	|	|	
25+30	0.0000	0.00	Q	|	|	|	|	|		30+40	0.0000	0.00	Q	|	|	|	|	
25+35	0.0000	0.00	Q	|	|	|	|	|		30+45	0.0000	0.00	Q	|	|	|	|	
25+40	0.0000	0.00	Q	|	|	|	|	|		30+50	0.0000	0.00	Q	|	|	|	|	
25+45	0.0000	0.00	Q	|	|	|	|	|		30+55	0.0000	0.00	Q	|	|	|	|	
25+50	0.0000	0.00	Q	|	|	|	|	|		31+ 0	0.0000	0.00	Q	|	|	|	|	
25+55	0.0000	0.00	Q	|	|	|	|	|		31+ 5	0.0000	0.00	Q	|	|	|	|	
26+ 0	0.0000	0.00	Q	|	|	|	|	|		31+10	0.0000	0.00	Q	|	|	|	|	
26+ 5	0.0000	0.00	Q	|	|	|	|	|		31+15	0.0000	0.00	Q	|	|	|	|	
26+10	0.0000	0.00	Q	|	|	|	|	|		31+20	0.0000	0.00	Q	|	|	|	|	
26+15	0.0000	0.00	Q	|	|	|	|	|		31+25	0.0000	0.00	Q	|	|	|	|	
26+20	0.0000	0.00	Q	|	|	|	|	|		31+30	0.0000	0.00	Q	|	|	|	|	
26+25	0.0000	0.00	Q	|	|	|	|	|		31+35	0.0000	0.00	Q	|	|	|	|	
26+30	0.0000	0.00	Q	|	|	|	|	|		31+40	0.0000	0.00	Q	|	|	|	|	
26+35	0.0000	0.00	Q	|	|	|	|	|		31+45	0.0000	0.00	Q	|	|	|	|	
26+40	0.0000	0.00	Q	|	|	|	|	|		31+50	0.0000	0.00	Q	|	|	|	|	
26+45	0.0000	0.00	Q	|	|	|	|	|		31+55	0.0000	0.00	Q	|	|	|	|	
26+50	0.0000	0.00	Q	|	|	|	|	|		32+ 0	0.0000	0.00	Q	|	|	|	|	
26+55	0.0000	0.00	Q	|	|	|	|	|		32+ 5	0.0000	0.00	Q	|	|	|	|	
27+ 0	0.0000	0.00	Q	|	|	|	|	|		32+10	0.0000	0.00	Q	|	|	|	|	

32+15	0.0000	0.00	Q	|	|	|	|	37+25	0.0000	0.00	Q	|	|	|	|
32+20	0.0000	0.00	Q	|	|	|	|	37+30	0.0000	0.00	Q	|	|	|	|
32+25	0.0000	0.00	Q	|	|	|	|	37+35	0.0000	0.00	Q	|	|	|	|
32+30	0.0000	0.00	Q	|	|	|	|	37+40	0.0000	0.00	Q	|	|	|	|
32+35	0.0000	0.00	Q	|	|	|	|	37+45	0.0000	0.00	Q	|	|	|	|
32+40	0.0000	0.00	Q	|	|	|	|	37+50	0.0000	0.00	Q	|	|	|	|
32+45	0.0000	0.00	Q	|	|	|	|	37+55	0.0000	0.00	Q	|	|	|	|
32+50	0.0000	0.00	Q	|	|	|	|	38+ 0	0.0000	0.00	Q	|	|	|	|
32+55	0.0000	0.00	Q	|	|	|	|	38+ 5	0.0000	0.00	Q	|	|	|	|
33+ 0	0.0000	0.00	Q	|	|	|	|	38+10	0.0000	0.00	Q	|	|	|	|
33+ 5	0.0000	0.00	Q	|	|	|	|	38+15	0.0000	0.00	Q	|	|	|	|
33+10	0.0000	0.00	Q	|	|	|	|	38+20	0.0000	0.00	Q	|	|	|	|
33+15	0.0000	0.00	Q	|	|	|	|	38+25	0.0000	0.00	Q	|	|	|	|
33+20	0.0000	0.00	Q	|	|	|	|	38+30	0.0000	0.00	Q	|	|	|	|
33+25	0.0000	0.00	Q	|	|	|	|	38+35	0.0000	0.00	Q	|	|	|	|
33+30	0.0000	0.00	Q	|	|	|	|	38+40	0.0000	0.00	Q	|	|	|	|
33+35	0.0000	0.00	Q	|	|	|	|	38+45	0.0000	0.00	Q	|	|	|	|
33+40	0.0000	0.00	Q	|	|	|	|	38+50	0.0000	0.00	Q	|	|	|	|
33+45	0.0000	0.00	Q	|	|	|	|	38+55	0.0000	0.00	Q	|	|	|	|
33+50	0.0000	0.00	Q	|	|	|	|	39+ 0	0.0000	0.00	Q	|	|	|	|
33+55	0.0000	0.00	Q	|	|	|	|	39+ 5	0.0000	0.00	Q	|	|	|	|
34+ 0	0.0000	0.00	Q	|	|	|	|	39+10	0.0000	0.00	Q	|	|	|	|
34+ 5	0.0000	0.00	Q	|	|	|	|	39+15	0.0000	0.00	Q	|	|	|	|
34+10	0.0000	0.00	Q	|	|	|	|	39+20	0.0000	0.00	Q	|	|	|	|
34+15	0.0000	0.00	Q	|	|	|	|	39+25	0.0000	0.00	Q	|	|	|	|
34+20	0.0000	0.00	Q	|	|	|	|	39+30	0.0000	0.00	Q	|	|	|	|
34+25	0.0000	0.00	Q	|	|	|	|	39+35	0.0000	0.00	Q	|	|	|	|
34+30	0.0000	0.00	Q	|	|	|	|	39+40	0.0000	0.00	Q	|	|	|	|
34+35	0.0000	0.00	Q	|	|	|	|	39+45	0.0000	0.00	Q	|	|	|	|
34+40	0.0000	0.00	Q	|	|	|	|	39+50	0.0000	0.00	Q	|	|	|	|
34+45	0.0000	0.00	Q	|	|	|	|	39+55	0.0000	0.00	Q	|	|	|	|
34+50	0.0000	0.00	Q	|	|	|	|	40+ 0	0.0000	0.00	Q	|	|	|	|
34+55	0.0000	0.00	Q	|	|	|	|	40+ 5	0.0000	0.00	Q	|	|	|	|
35+ 0	0.0000	0.00	Q	|	|	|	|	40+10	0.0000	0.00	Q	|	|	|	|
35+ 5	0.0000	0.00	Q	|	|	|	|	40+15	0.0000	0.00	Q	|	|	|	|
35+10	0.0000	0.00	Q	|	|	|	|	40+20	0.0000	0.00	Q	|	|	|	|
35+15	0.0000	0.00	Q	|	|	|	|	40+25	0.0000	0.00	Q	|	|	|	|
35+20	0.0000	0.00	Q	|	|	|	|	40+30	0.0000	0.00	Q	|	|	|	|
35+25	0.0000	0.00	Q	|	|	|	|	40+35	0.0000	0.00	Q	|	|	|	|
35+30	0.0000	0.00	Q	|	|	|	|	40+40	0.0000	0.00	Q	|	|	|	|
35+35	0.0000	0.00	Q	|	|	|	|	40+45	0.0000	0.00	Q	|	|	|	|
35+40	0.0000	0.00	Q	|	|	|	|	40+50	0.0000	0.00	Q	|	|	|	|
35+45	0.0000	0.00	Q	|	|	|	|	40+55	0.0000	0.00	Q	|	|	|	|
35+50	0.0000	0.00	Q	|	|	|	|	41+ 0	0.0000	0.00	Q	|	|	|	|
35+55	0.0000	0.00	Q	|	|	|	|	41+ 5	0.0000	0.00	Q	|	|	|	|
36+ 0	0.0000	0.00	Q	|	|	|	|	41+10	0.0000	0.00	Q	|	|	|	|
36+ 5	0.0000	0.00	Q	|	|	|	|	41+15	0.0000	0.00	Q	|	|	|	|
36+10	0.0000	0.00	Q	|	|	|	|	41+20	0.0000	0.00	Q	|	|	|	|
36+15	0.0000	0.00	Q	|	|	|	|	41+25	0.0000	0.00	Q	|	|	|	|
36+20	0.0000	0.00	Q	|	|	|	|	41+30	0.0000	0.00	Q	|	|	|	|
36+25	0.0000	0.00	Q	|	|	|	|	41+35	0.0000	0.00	Q	|	|	|	|
36+30	0.0000	0.00	Q	|	|	|	|	41+40	0.0000	0.00	Q	|	|	|	|
36+35	0.0000	0.00	Q	|	|	|	|	41+45	0.0000	0.00	Q	|	|	|	|
36+40	0.0000	0.00	Q	|	|	|	|	41+50	0.0000	0.00	Q	|	|	|	|
36+45	0.0000	0.00	Q	|	|	|	|	41+55	0.0000	0.00	Q	|	|	|	|
36+50	0.0000	0.00	Q	|	|	|	|	42+ 0	0.0000	0.00	Q	|	|	|	|
36+55	0.0000	0.00	Q	|	|	|	|	42+ 5	0.0000	0.00	Q	|	|	|	|
37+ 0	0.0000	0.00	Q	|	|	|	|	42+10	0.0000	0.00	Q	|	|	|	|
37+ 5	0.0000	0.00	Q	|	|	|	|	42+15	0.0000	0.00	Q	|	|	|	|
37+10	0.0000	0.00	Q	|	|	|	|	42+20	0.0000	0.00	Q	|	|	|	|
37+15	0.0000	0.00	Q	|	|	|	|	42+25	0.0000	0.00	Q	|	|	|	|
37+20	0.0000	0.00	Q	|	|	|	|	42+30	0.0000	0.00	Q	|	|	|	|

42+35	0.0000	0.00	Q					47+45	0.0000	0.00	Q				
42+40	0.0000	0.00	Q					47+50	0.0000	0.00	Q				
42+45	0.0000	0.00	Q					47+55	0.0000	0.00	Q				
42+50	0.0000	0.00	Q					48+ 0	0.0000	0.00	Q				
42+55	0.0000	0.00	Q					48+ 5	0.0000	0.00	Q				
43+ 0	0.0000	0.00	Q					48+10	0.0000	0.00	Q				
43+ 5	0.0000	0.00	Q					48+15	0.0000	0.00	Q				
43+10	0.0000	0.00	Q					48+20	0.0000	0.00	Q				
43+15	0.0000	0.00	Q					48+25	0.0000	0.00	Q				
43+20	0.0000	0.00	Q					48+30	0.0000	0.00	Q				
43+25	0.0000	0.00	Q					48+35	0.0000	0.00	Q				
43+30	0.0000	0.00	Q					48+40	0.0000	0.00	Q				
43+35	0.0000	0.00	Q					48+45	0.0000	0.00	Q				
43+40	0.0000	0.00	Q					48+50	0.0000	0.00	Q				
43+45	0.0000	0.00	Q					48+55	0.0000	0.00	Q				
43+50	0.0000	0.00	Q					49+ 0	0.0000	0.00	Q				
43+55	0.0000	0.00	Q					49+ 5	0.0000	0.00	Q				
44+ 0	0.0000	0.00	Q					49+10	0.0000	0.00	Q				
44+ 5	0.0000	0.00	Q					49+15	0.0000	0.00	Q				
44+10	0.0000	0.00	Q					49+20	0.0000	0.00	Q				
44+15	0.0000	0.00	Q					49+25	0.0000	0.00	Q				
44+20	0.0000	0.00	Q					49+30	0.0000	0.00	Q				
44+25	0.0000	0.00	Q					49+35	0.0000	0.00	Q				
44+30	0.0000	0.00	Q					49+40	0.0000	0.00	Q				
44+35	0.0000	0.00	Q					49+45	0.0000	0.00	Q				
44+40	0.0000	0.00	Q					49+50	0.0000	0.00	Q				
44+45	0.0000	0.00	Q					49+55	0.0000	0.00	Q				
44+50	0.0000	0.00	Q					50+ 0	0.0000	0.00	Q				
44+55	0.0000	0.00	Q					50+ 5	0.0000	0.00	Q				
45+ 0	0.0000	0.00	Q					50+10	0.0000	0.00	Q				
45+ 5	0.0000	0.00	Q					50+15	0.0000	0.00	Q				
45+10	0.0000	0.00	Q					50+20	0.0000	0.00	Q				
45+15	0.0000	0.00	Q					50+25	0.0000	0.00	Q				
45+20	0.0000	0.00	Q					50+30	0.0000	0.00	Q				
45+25	0.0000	0.00	Q					50+35	0.0000	0.00	Q				
45+30	0.0000	0.00	Q					50+40	0.0000	0.00	Q				
45+35	0.0000	0.00	Q					50+45	0.0000	0.00	Q				
45+40	0.0000	0.00	Q					50+50	0.0000	0.00	Q				
45+45	0.0000	0.00	Q					50+55	0.0000	0.00	Q				
45+50	0.0000	0.00	Q					51+ 0	0.0000	0.00	Q				
45+55	0.0000	0.00	Q					51+ 5	0.0000	0.00	Q				
46+ 0	0.0000	0.00	Q					51+10	0.0000	0.00	Q				
46+ 5	0.0000	0.00	Q					51+15	0.0000	0.00	Q				
46+10	0.0000	0.00	Q					51+20	0.0000	0.00	Q				
46+15	0.0000	0.00	Q					51+25	0.0000	0.00	Q				
46+20	0.0000	0.00	Q					51+30	0.0000	0.00	Q				
46+25	0.0000	0.00	Q					51+35	0.0000	0.00	Q				
46+30	0.0000	0.00	Q					51+40	0.0000	0.00	Q				
46+35	0.0000	0.00	Q					51+45	0.0000	0.00	Q				
46+40	0.0000	0.00	Q					51+50	0.0000	0.00	Q				
46+45	0.0000	0.00	Q					51+55	0.0000	0.00	Q				
46+50	0.0000	0.00	Q					52+ 0	0.0000	0.00	Q				
46+55	0.0000	0.00	Q					52+ 5	0.0000	0.00	Q				
47+ 0	0.0000	0.00	Q					52+10	0.0000	0.00	Q				
47+ 5	0.0000	0.00	Q					52+15	0.0000	0.00	Q				
47+10	0.0000	0.00	Q					52+20	0.0000	0.00	Q				
47+15	0.0000	0.00	Q					52+25	0.0000	0.00	Q				
47+20	0.0000	0.00	Q					52+30	0.0000	0.00	Q				
47+25	0.0000	0.00	Q					52+35	0.0000	0.00	Q				
47+30	0.0000	0.00	Q					52+40	0.0000	0.00	Q				
47+35	0.0000	0.00	Q					52+45	0.0000	0.00	Q				
47+40	0.0000	0.00	Q					52+50	0.0000	0.00	Q				

52+55	0.0000	0.00	Q					58+ 5	0.0000	0.00	Q				
53+ 0	0.0000	0.00	Q					58+10	0.0000	0.00	Q				
53+ 5	0.0000	0.00	Q					58+15	0.0000	0.00	Q				
53+10	0.0000	0.00	Q					58+20	0.0000	0.00	Q				
53+15	0.0000	0.00	Q					58+25	0.0000	0.00	Q				
53+20	0.0000	0.00	Q					58+30	0.0000	0.00	Q				
53+25	0.0000	0.00	Q					58+35	0.0000	0.00	Q				
53+30	0.0000	0.00	Q					58+40	0.0000	0.00	Q				
53+35	0.0000	0.00	Q					58+45	0.0000	0.00	Q				
53+40	0.0000	0.00	Q					58+50	0.0000	0.00	Q				
53+45	0.0000	0.00	Q					58+55	0.0000	0.00	Q				
53+50	0.0000	0.00	Q					59+ 0	0.0000	0.00	Q				
53+55	0.0000	0.00	Q					59+ 5	0.0000	0.00	Q				
54+ 0	0.0000	0.00	Q					59+10	0.0000	0.00	Q				
54+ 5	0.0000	0.00	Q					59+15	0.0000	0.00	Q				
54+10	0.0000	0.00	Q					59+20	0.0000	0.00	Q				
54+15	0.0000	0.00	Q					59+25	0.0000	0.00	Q				
54+20	0.0000	0.00	Q					59+30	0.0000	0.00	Q				
54+25	0.0000	0.00	Q					59+35	0.0000	0.00	Q				
54+30	0.0000	0.00	Q					59+40	0.0000	0.00	Q				
54+35	0.0000	0.00	Q					59+45	0.0000	0.00	Q				
54+40	0.0000	0.00	Q					59+50	0.0000	0.00	Q				
54+45	0.0000	0.00	Q					59+55	0.0000	0.00	Q				
54+50	0.0000	0.00	Q					60+ 0	0.0000	0.00	Q				
54+55	0.0000	0.00	Q					60+ 5	0.0000	0.00	Q				
55+ 0	0.0000	0.00	Q					60+10	0.0000	0.00	Q				
55+ 5	0.0000	0.00	Q					60+15	0.0000	0.00	Q				
55+10	0.0000	0.00	Q					60+20	0.0000	0.00	Q				
55+15	0.0000	0.00	Q					60+25	0.0000	0.00	Q				
55+20	0.0000	0.00	Q					60+30	0.0000	0.00	Q				
55+25	0.0000	0.00	Q					60+35	0.0000	0.00	Q				
55+30	0.0000	0.00	Q					60+40	0.0000	0.00	Q				
55+35	0.0000	0.00	Q					60+45	0.0000	0.00	Q				
55+40	0.0000	0.00	Q					60+50	0.0000	0.00	Q				
55+45	0.0000	0.00	Q					60+55	0.0000	0.00	Q				
55+50	0.0000	0.00	Q					61+ 0	0.0000	0.00	Q				
55+55	0.0000	0.00	Q					61+ 5	0.0000	0.00	Q				
56+ 0	0.0000	0.00	Q					61+10	0.0000	0.00	Q				
56+ 5	0.0000	0.00	Q					61+15	0.0000	0.00	Q				
56+10	0.0000	0.00	Q					61+20	0.0000	0.00	Q				
56+15	0.0000	0.00	Q					61+25	0.0000	0.00	Q				
56+20	0.0000	0.00	Q					61+30	0.0000	0.00	Q				
56+25	0.0000	0.00	Q					61+35	0.0000	0.00	Q				
56+30	0.0000	0.00	Q					61+40	0.0000	0.00	Q				
56+35	0.0000	0.00	Q					61+45	0.0000	0.00	Q				
56+40	0.0000	0.00	Q					61+50	0.0000	0.00	Q				
56+45	0.0000	0.00	Q					61+55	0.0000	0.00	Q				
56+50	0.0000	0.00	Q					62+ 0	0.0000	0.00	Q				
56+55	0.0000	0.00	Q					62+ 5	0.0000	0.00	Q				
57+ 0	0.0000	0.00	Q					62+10	0.0000	0.00	Q				
57+ 5	0.0000	0.00	Q					62+15	0.0000	0.00	Q				
57+10	0.0000	0.00	Q					62+20	0.0000	0.00	Q				
57+15	0.0000	0.00	Q					62+25	0.0000	0.00	Q				
57+20	0.0000	0.00	Q					62+30	0.0000	0.00	Q				
57+25	0.0000	0.00	Q					62+35	0.0000	0.00	Q				
57+30	0.0000	0.00	Q					62+40	0.0000	0.00	Q				
57+35	0.0000	0.00	Q					62+45	0.0000	0.00	Q				
57+40	0.0000	0.00	Q					62+50	0.0000	0.00	Q				
57+45	0.0000	0.00	Q					62+55	0.0000	0.00	Q				
57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				

63+15	0.0000	0.00	Q					68+25	0.0000	0.00	Q				
63+20	0.0000	0.00	Q					68+30	0.0000	0.00	Q				
63+25	0.0000	0.00	Q					68+35	0.0000	0.00	Q				
63+30	0.0000	0.00	Q					68+40	0.0000	0.00	Q				
63+35	0.0000	0.00	Q					68+45	0.0000	0.00	Q				
63+40	0.0000	0.00	Q					68+50	0.0000	0.00	Q				
63+45	0.0000	0.00	Q					68+55	0.0000	0.00	Q				
63+50	0.0000	0.00	Q					69+ 0	0.0000	0.00	Q				
63+55	0.0000	0.00	Q					69+ 5	0.0000	0.00	Q				
64+ 0	0.0000	0.00	Q					69+10	0.0000	0.00	Q				
64+ 5	0.0000	0.00	Q					69+15	0.0000	0.00	Q				
64+10	0.0000	0.00	Q					69+20	0.0000	0.00	Q				
64+15	0.0000	0.00	Q					69+25	0.0000	0.00	Q				
64+20	0.0000	0.00	Q					69+30	0.0000	0.00	Q				
64+25	0.0000	0.00	Q					69+35	0.0000	0.00	Q				
64+30	0.0000	0.00	Q					69+40	0.0000	0.00	Q				
64+35	0.0000	0.00	Q					69+45	0.0000	0.00	Q				
64+40	0.0000	0.00	Q					69+50	0.0000	0.00	Q				
64+45	0.0000	0.00	Q					69+55	0.0000	0.00	Q				
64+50	0.0000	0.00	Q					70+ 0	0.0000	0.00	Q				
64+55	0.0000	0.00	Q					70+ 5	0.0000	0.00	Q				
65+ 0	0.0000	0.00	Q					70+10	0.0000	0.00	Q				
65+ 5	0.0000	0.00	Q					70+15	0.0000	0.00	Q				
65+10	0.0000	0.00	Q					70+20	0.0000	0.00	Q				
65+15	0.0000	0.00	Q					70+25	0.0000	0.00	Q				
65+20	0.0000	0.00	Q					70+30	0.0000	0.00	Q				
65+25	0.0000	0.00	Q					70+35	0.0000	0.00	Q				
65+30	0.0000	0.00	Q					70+40	0.0000	0.00	Q				
65+35	0.0000	0.00	Q					70+45	0.0000	0.00	Q				
65+40	0.0000	0.00	Q					70+50	0.0000	0.00	Q				
65+45	0.0000	0.00	Q					70+55	0.0000	0.00	Q				
65+50	0.0000	0.00	Q					71+ 0	0.0000	0.00	Q				
65+55	0.0000	0.00	Q					71+ 5	0.0000	0.00	Q				
66+ 0	0.0000	0.00	Q					71+10	0.0000	0.00	Q				
66+ 5	0.0000	0.00	Q					71+15	0.0000	0.00	Q				
66+10	0.0000	0.00	Q					71+20	0.0000	0.00	Q				
66+15	0.0000	0.00	Q					71+25	0.0000	0.00	Q				
66+20	0.0000	0.00	Q					71+30	0.0000	0.00	Q				
66+25	0.0000	0.00	Q					71+35	0.0000	0.00	Q				
66+30	0.0000	0.00	Q					71+40	0.0000	0.00	Q				
66+35	0.0000	0.00	Q					71+45	0.0000	0.00	Q				
66+40	0.0000	0.00	Q					71+50	0.0000	0.00	Q				
66+45	0.0000	0.00	Q					71+55	0.0000	0.00	Q				
66+50	0.0000	0.00	Q					72+ 0	0.0000	0.00	Q				
66+55	0.0000	0.00	Q					72+ 5	0.0000	0.00	Q				
67+ 0	0.0000	0.00	Q					72+10	0.0000	0.00	Q				
67+ 5	0.0000	0.00	Q					72+15	0.0000	0.00	Q				
67+10	0.0000	0.00	Q					72+20	0.0000	0.00	Q				
67+15	0.0000	0.00	Q					72+25	0.0000	0.00	Q				
67+20	0.0000	0.00	Q					72+30	0.0000	0.00	Q				
67+25	0.0000	0.00	Q					72+35	0.0000	0.00	Q				
67+30	0.0000	0.00	Q					72+40	0.0000	0.00	Q				
67+35	0.0000	0.00	Q					72+45	0.0000	0.00	Q				
67+40	0.0000	0.00	Q					72+50	0.0000	0.00	Q				
67+45	0.0000	0.00	Q					72+55	0.0000	0.00	Q				
67+50	0.0000	0.00	Q					73+ 0	0.0000	0.00	Q				
67+55	0.0000	0.00	Q					73+ 5	0.0000	0.00	Q				
68+ 0	0.0000	0.00	Q					73+10	0.0000	0.00	Q				
68+ 5	0.0000	0.00	Q					73+15	0.0000	0.00	Q				
68+10	0.0000	0.00	Q					73+20	0.0000	0.00	Q				
68+15	0.0000	0.00	Q					73+25	0.0000	0.00	Q				
68+20	0.0000	0.00	Q					73+30	0.0000	0.00	Q				

73+35	0.0000	0.00	Q	|	|	|	|	78+45	0.0000	0.00	Q	|	|	|	|
73+40	0.0000	0.00	Q	|	|	|	|	78+50	0.0000	0.00	Q	|	|	|	|
73+45	0.0000	0.00	Q	|	|	|	|	78+55	0.0000	0.00	Q	|	|	|	|
73+50	0.0000	0.00	Q	|	|	|	|	79+ 0	0.0000	0.00	Q	|	|	|	|
73+55	0.0000	0.00	Q	|	|	|	|	79+ 5	0.0000	0.00	Q	|	|	|	|
74+ 0	0.0000	0.00	Q	|	|	|	|	79+10	0.0000	0.00	Q	|	|	|	|
74+ 5	0.0000	0.00	Q	|	|	|	|	79+15	0.0000	0.00	Q	|	|	|	|
74+10	0.0000	0.00	Q	|	|	|	|	79+20	0.0000	0.00	Q	|	|	|	|
74+15	0.0000	0.00	Q	|	|	|	|	79+25	0.0000	0.00	Q	|	|	|	|
74+20	0.0000	0.00	Q	|	|	|	|	79+30	0.0000	0.00	Q	|	|	|	|
74+25	0.0000	0.00	Q	|	|	|	|	79+35	0.0000	0.00	Q	|	|	|	|
74+30	0.0000	0.00	Q	|	|	|	|	79+40	0.0000	0.00	Q	|	|	|	|
74+35	0.0000	0.00	Q	|	|	|	|	79+45	0.0000	0.00	Q	|	|	|	|
74+40	0.0000	0.00	Q	|	|	|	|	79+50	0.0000	0.00	Q	|	|	|	|
74+45	0.0000	0.00	Q	|	|	|	|	79+55	0.0000	0.00	Q	|	|	|	|
74+50	0.0000	0.00	Q	|	|	|	|	80+ 0	0.0000	0.00	Q	|	|	|	|
74+55	0.0000	0.00	Q	|	|	|	|	80+ 5	0.0000	0.00	Q	|	|	|	|
75+ 0	0.0000	0.00	Q	|	|	|	|	80+10	0.0000	0.00	Q	|	|	|	|
75+ 5	0.0000	0.00	Q	|	|	|	|	80+15	0.0000	0.00	Q	|	|	|	|
75+10	0.0000	0.00	Q	|	|	|	|	80+20	0.0000	0.00	Q	|	|	|	|
75+15	0.0000	0.00	Q	|	|	|	|	80+25	0.0000	0.00	Q	|	|	|	|
75+20	0.0000	0.00	Q	|	|	|	|	80+30	0.0000	0.00	Q	|	|	|	|
75+25	0.0000	0.00	Q	|	|	|	|	80+35	0.0000	0.00	Q	|	|	|	|
75+30	0.0000	0.00	Q	|	|	|	|	80+40	0.0000	0.00	Q	|	|	|	|
75+35	0.0000	0.00	Q	|	|	|	|	80+45	0.0000	0.00	Q	|	|	|	|
75+40	0.0000	0.00	Q	|	|	|	|	80+50	0.0000	0.00	Q	|	|	|	|
75+45	0.0000	0.00	Q	|	|	|	|	80+55	0.0000	0.00	Q	|	|	|	|
75+50	0.0000	0.00	Q	|	|	|	|	81+ 0	0.0000	0.00	Q	|	|	|	|
75+55	0.0000	0.00	Q	|	|	|	|	81+ 5	0.0000	0.00	Q	|	|	|	|
76+ 0	0.0000	0.00	Q	|	|	|	|	81+10	0.0000	0.00	Q	|	|	|	|
76+ 5	0.0000	0.00	Q	|	|	|	|	81+15	0.0000	0.00	Q	|	|	|	|
76+10	0.0000	0.00	Q	|	|	|	|	81+20	0.0000	0.00	Q	|	|	|	|
76+15	0.0000	0.00	Q	|	|	|	|	81+25	0.0000	0.00	Q	|	|	|	|
76+20	0.0000	0.00	Q	|	|	|	|	81+30	0.0000	0.00	Q	|	|	|	|
76+25	0.0000	0.00	Q	|	|	|	|	81+35	0.0000	0.00	Q	|	|	|	|
76+30	0.0000	0.00	Q	|	|	|	|	81+40	0.0000	0.00	Q	|	|	|	|
76+35	0.0000	0.00	Q	|	|	|	|	81+45	0.0000	0.00	Q	|	|	|	|
76+40	0.0000	0.00	Q	|	|	|	|	81+50	0.0000	0.00	Q	|	|	|	|
76+45	0.0000	0.00	Q	|	|	|	|	81+55	0.0000	0.00	Q	|	|	|	|
76+50	0.0000	0.00	Q	|	|	|	|	82+ 0	0.0000	0.00	Q	|	|	|	|
76+55	0.0000	0.00	Q	|	|	|	|	82+ 5	0.0000	0.00	Q	|	|	|	|
77+ 0	0.0000	0.00	Q	|	|	|	|	82+10	0.0000	0.00	Q	|	|	|	|
77+ 5	0.0000	0.00	Q	|	|	|	|	82+15	0.0000	0.00	Q	|	|	|	|
77+10	0.0000	0.00	Q	|	|	|	|	82+20	0.0000	0.00	Q	|	|	|	|
77+15	0.0000	0.00	Q	|	|	|	|	82+25	0.0000	0.00	Q	|	|	|	|
77+20	0.0000	0.00	Q	|	|	|	|	82+30	0.0000	0.00	Q	|	|	|	|
77+25	0.0000	0.00	Q	|	|	|	|	82+35	0.0000	0.00	Q	|	|	|	|
77+30	0.0000	0.00	Q	|	|	|	|	82+40	0.0000	0.00	Q	|	|	|	|
77+35	0.0000	0.00	Q	|	|	|	|	82+45	0.0000	0.00	Q	|	|	|	|
77+40	0.0000	0.00	Q	|	|	|	|	82+50	0.0000	0.00	Q	|	|	|	|
77+45	0.0000	0.00	Q	|	|	|	|	82+55	0.0000	0.00	Q	|	|	|	|
77+50	0.0000	0.00	Q	|	|	|	|	83+ 0	0.0000	0.00	Q	|	|	|	|
77+55	0.0000	0.00	Q	|	|	|	|	83+ 5	0.0000	0.00	Q	|	|	|	|
78+ 0	0.0000	0.00	Q	|	|	|	|	83+10	0.0000	0.00	Q	|	|	|	|
78+ 5	0.0000	0.00	Q	|	|	|	|	83+15	0.0000	0.00	Q	|	|	|	|
78+10	0.0000	0.00	Q	|	|	|	|	83+20	0.0000	0.00	Q	|	|	|	|
78+15	0.0000	0.00	Q	|	|	|	|	83+25	0.0000	0.00	Q	|	|	|	|
78+20	0.0000	0.00	Q	|	|	|	|	83+30	0.0000	0.00	Q	|	|	|	|
78+25	0.0000	0.00	Q	|	|	|	|	83+35	0.0000	0.00	Q	|	|	|	|
78+30	0.0000	0.00	Q	|	|	|	|	83+40	0.0000	0.00	Q	|	|	|	|
78+35	0.0000	0.00	Q	|	|	|	|	83+45	0.0000	0.00	Q	|	|	|	|
78+40	0.0000	0.00	Q	|	|	|	|	83+50	0.0000	0.00	Q	|	|	|	|

83+55	0.0000	0.00	Q					89+ 5	0.0000	0.00	Q				
84+ 0	0.0000	0.00	Q					89+10	0.0000	0.00	Q				
84+ 5	0.0000	0.00	Q					89+15	0.0000	0.00	Q				
84+10	0.0000	0.00	Q					89+20	0.0000	0.00	Q				
84+15	0.0000	0.00	Q					89+25	0.0000	0.00	Q				
84+20	0.0000	0.00	Q					89+30	0.0000	0.00	Q				
84+25	0.0000	0.00	Q					89+35	0.0000	0.00	Q				
84+30	0.0000	0.00	Q					89+40	0.0000	0.00	Q				
84+35	0.0000	0.00	Q					89+45	0.0000	0.00	Q				
84+40	0.0000	0.00	Q					89+50	0.0000	0.00	Q				
84+45	0.0000	0.00	Q					89+55	0.0000	0.00	Q				
84+50	0.0000	0.00	Q					90+ 0	0.0000	0.00	Q				
84+55	0.0000	0.00	Q					90+ 5	0.0000	0.00	Q				
85+ 0	0.0000	0.00	Q					90+10	0.0000	0.00	Q				
85+ 5	0.0000	0.00	Q					90+15	0.0000	0.00	Q				
85+10	0.0000	0.00	Q					90+20	0.0000	0.00	Q				
85+15	0.0000	0.00	Q					90+25	0.0000	0.00	Q				
85+20	0.0000	0.00	Q					90+30	0.0000	0.00	Q				
85+25	0.0000	0.00	Q					90+35	0.0000	0.00	Q				
85+30	0.0000	0.00	Q					90+40	0.0000	0.00	Q				
85+35	0.0000	0.00	Q					90+45	0.0000	0.00	Q				
85+40	0.0000	0.00	Q					90+50	0.0000	0.00	Q				
85+45	0.0000	0.00	Q					90+55	0.0000	0.00	Q				
85+50	0.0000	0.00	Q					91+ 0	0.0000	0.00	Q				
85+55	0.0000	0.00	Q					91+ 5	0.0000	0.00	Q				
86+ 0	0.0000	0.00	Q					91+10	0.0000	0.00	Q				
86+ 5	0.0000	0.00	Q					91+15	0.0000	0.00	Q				
86+10	0.0000	0.00	Q					91+20	0.0000	0.00	Q				
86+15	0.0000	0.00	Q					91+25	0.0000	0.00	Q				
86+20	0.0000	0.00	Q					91+30	0.0000	0.00	Q				
86+25	0.0000	0.00	Q					91+35	0.0000	0.00	Q				
86+30	0.0000	0.00	Q					91+40	0.0000	0.00	Q				
86+35	0.0000	0.00	Q					91+45	0.0000	0.00	Q				
86+40	0.0000	0.00	Q					91+50	0.0000	0.00	Q				
86+45	0.0000	0.00	Q					91+55	0.0000	0.00	Q				
86+50	0.0000	0.00	Q					92+ 0	0.0000	0.00	Q				
86+55	0.0000	0.00	Q					92+ 5	0.0000	0.00	Q				
87+ 0	0.0000	0.00	Q					92+10	0.0000	0.00	Q				
87+ 5	0.0000	0.00	Q					92+15	0.0000	0.00	Q				
87+10	0.0000	0.00	Q					92+20	0.0000	0.00	Q				
87+15	0.0000	0.00	Q					92+25	0.0000	0.00	Q				
87+20	0.0000	0.00	Q					92+30	0.0000	0.00	Q				
87+25	0.0000	0.00	Q					92+35	0.0000	0.00	Q				
87+30	0.0000	0.00	Q					92+40	0.0000	0.00	Q				
87+35	0.0000	0.00	Q					92+45	0.0000	0.00	Q				
87+40	0.0000	0.00	Q					92+50	0.0000	0.00	Q				
87+45	0.0000	0.00	Q					92+55	0.0000	0.00	Q				
87+50	0.0000	0.00	Q					93+ 0	0.0000	0.00	Q				
87+55	0.0000	0.00	Q					93+ 5	0.0000	0.00	Q				
88+ 0	0.0000	0.00	Q					93+10	0.0000	0.00	Q				
88+ 5	0.0000	0.00	Q					93+15	0.0000	0.00	Q				
88+10	0.0000	0.00	Q					93+20	0.0000	0.00	Q				
88+15	0.0000	0.00	Q					93+25	0.0000	0.00	Q				
88+20	0.0000	0.00	Q					93+30	0.0000	0.00	Q				
88+25	0.0000	0.00	Q					93+35	0.0000	0.00	Q				
88+30	0.0000	0.00	Q					93+40	0.0000	0.00	Q				
88+35	0.0000	0.00	Q					93+45	0.0000	0.00	Q				
88+40	0.0000	0.00	Q					93+50	0.0000	0.00	Q				
88+45	0.0000	0.00	Q					93+55	0.0000	0.00	Q				
88+50	0.0000	0.00	Q					94+ 0	0.0000	0.00	Q				
88+55	0.0000	0.00	Q					94+ 5	0.0000	0.00	Q				
89+ 0	0.0000	0.00	Q					94+10	0.0000	0.00	Q				

94+15	0.0000	0.00	Q					99+25	0.0000	0.00	Q				
94+20	0.0000	0.00	Q					99+30	0.0000	0.00	Q				
94+25	0.0000	0.00	Q					99+35	0.0000	0.00	Q				
94+30	0.0000	0.00	Q					99+40	0.0000	0.00	Q				
94+35	0.0000	0.00	Q					99+45	0.0000	0.00	Q				
94+40	0.0000	0.00	Q					99+50	0.0000	0.00	Q				
94+45	0.0000	0.00	Q					99+55	0.0000	0.00	Q				
94+50	0.0000	0.00	Q					100+ 0	0.0000	0.00	Q				
94+55	0.0000	0.00	Q					100+ 5	0.0000	0.00	Q				
95+ 0	0.0000	0.00	Q					100+10	0.0000	0.00	Q				
95+ 5	0.0000	0.00	Q					100+15	0.0000	0.00	Q				
95+10	0.0000	0.00	Q					100+20	0.0000	0.00	Q				
95+15	0.0000	0.00	Q					100+25	0.0000	0.00	Q				
95+20	0.0000	0.00	Q					100+30	0.0000	0.00	Q				
95+25	0.0000	0.00	Q					100+35	0.0000	0.00	Q				
95+30	0.0000	0.00	Q					100+40	0.0000	0.00	Q				
95+35	0.0000	0.00	Q					100+45	0.0000	0.00	Q				
95+40	0.0000	0.00	Q					100+50	0.0000	0.00	Q				
95+45	0.0000	0.00	Q					100+55	0.0000	0.00	Q				
95+50	0.0000	0.00	Q					101+ 0	0.0000	0.00	Q				
95+55	0.0000	0.00	Q					101+ 5	0.0000	0.00	Q				
96+ 0	0.0000	0.00	Q					101+10	0.0000	0.00	Q				
96+ 5	0.0000	0.00	Q					101+15	0.0000	0.00	Q				
96+10	0.0000	0.00	Q					101+20	0.0000	0.00	Q				
96+15	0.0000	0.00	Q					101+25	0.0000	0.00	Q				
96+20	0.0000	0.00	Q					101+30	0.0000	0.00	Q				
96+25	0.0000	0.00	Q					101+35	0.0000	0.00	Q				
96+30	0.0000	0.00	Q					101+40	0.0000	0.00	Q				
96+35	0.0000	0.00	Q					101+45	0.0000	0.00	Q				
96+40	0.0000	0.00	Q					101+50	0.0000	0.00	Q				
96+45	0.0000	0.00	Q					101+55	0.0000	0.00	Q				
96+50	0.0000	0.00	Q					102+ 0	0.0000	0.00	Q				
96+55	0.0000	0.00	Q					102+ 5	0.0000	0.00	Q				
97+ 0	0.0000	0.00	Q					102+10	0.0000	0.00	Q				
97+ 5	0.0000	0.00	Q					102+15	0.0000	0.00	Q				
97+10	0.0000	0.00	Q					102+20	0.0000	0.00	Q				
97+15	0.0000	0.00	Q					102+25	0.0000	0.00	Q				
97+20	0.0000	0.00	Q					102+30	0.0000	0.00	Q				
97+25	0.0000	0.00	Q					102+35	0.0000	0.00	Q				
97+30	0.0000	0.00	Q					102+40	0.0000	0.00	Q				
97+35	0.0000	0.00	Q					102+45	0.0000	0.00	Q				
97+40	0.0000	0.00	Q					102+50	0.0000	0.00	Q				
97+45	0.0000	0.00	Q					102+55	0.0000	0.00	Q				
97+50	0.0000	0.00	Q					103+ 0	0.0000	0.00	Q				
97+55	0.0000	0.00	Q					103+ 5	0.0000	0.00	Q				
98+ 0	0.0000	0.00	Q					103+10	0.0000	0.00	Q				
98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				

104+35	0.0000	0.00	Q	|	|	|	|	109+45	0.0000	0.00	Q	|	|	|	|
104+40	0.0000	0.00	Q	|	|	|	|	109+50	0.0000	0.00	Q	|	|	|	|
104+45	0.0000	0.00	Q	|	|	|	|	109+55	0.0000	0.00	Q	|	|	|	|
104+50	0.0000	0.00	Q	|	|	|	|	110+ 0	0.0000	0.00	Q	|	|	|	|
104+55	0.0000	0.00	Q	|	|	|	|	110+ 5	0.0000	0.00	Q	|	|	|	|
105+ 0	0.0000	0.00	Q	|	|	|	|	110+10	0.0000	0.00	Q	|	|	|	|
105+ 5	0.0000	0.00	Q	|	|	|	|	110+15	0.0000	0.00	Q	|	|	|	|
105+10	0.0000	0.00	Q	|	|	|	|	110+20	0.0000	0.00	Q	|	|	|	|
105+15	0.0000	0.00	Q	|	|	|	|	110+25	0.0000	0.00	Q	|	|	|	|
105+20	0.0000	0.00	Q	|	|	|	|	110+30	0.0000	0.00	Q	|	|	|	|
105+25	0.0000	0.00	Q	|	|	|	|	110+35	0.0000	0.00	Q	|	|	|	|
105+30	0.0000	0.00	Q	|	|	|	|	110+40	0.0000	0.00	Q	|	|	|	|
105+35	0.0000	0.00	Q	|	|	|	|	110+45	0.0000	0.00	Q	|	|	|	|
105+40	0.0000	0.00	Q	|	|	|	|	110+50	0.0000	0.00	Q	|	|	|	|
105+45	0.0000	0.00	Q	|	|	|	|	110+55	0.0000	0.00	Q	|	|	|	|
105+50	0.0000	0.00	Q	|	|	|	|	111+ 0	0.0000	0.00	Q	|	|	|	|
105+55	0.0000	0.00	Q	|	|	|	|	111+ 5	0.0000	0.00	Q	|	|	|	|
106+ 0	0.0000	0.00	Q	|	|	|	|	111+10	0.0000	0.00	Q	|	|	|	|
106+ 5	0.0000	0.00	Q	|	|	|	|	111+15	0.0000	0.00	Q	|	|	|	|
106+10	0.0000	0.00	Q	|	|	|	|	111+20	0.0000	0.00	Q	|	|	|	|
106+15	0.0000	0.00	Q	|	|	|	|	111+25	0.0000	0.00	Q	|	|	|	|
106+20	0.0000	0.00	Q	|	|	|	|	111+30	0.0000	0.00	Q	|	|	|	|
106+25	0.0000	0.00	Q	|	|	|	|	111+35	0.0000	0.00	Q	|	|	|	|
106+30	0.0000	0.00	Q	|	|	|	|	111+40	0.0000	0.00	Q	|	|	|	|
106+35	0.0000	0.00	Q	|	|	|	|	111+45	0.0000	0.00	Q	|	|	|	|
106+40	0.0000	0.00	Q	|	|	|	|	111+50	0.0000	0.00	Q	|	|	|	|
106+45	0.0000	0.00	Q	|	|	|	|	111+55	0.0000	0.00	Q	|	|	|	|
106+50	0.0000	0.00	Q	|	|	|	|	112+ 0	0.0000	0.00	Q	|	|	|	|
106+55	0.0000	0.00	Q	|	|	|	|	112+ 5	0.0000	0.00	Q	|	|	|	|
107+ 0	0.0000	0.00	Q	|	|	|	|	112+10	0.0000	0.00	Q	|	|	|	|
107+ 5	0.0000	0.00	Q	|	|	|	|	112+15	0.0000	0.00	Q	|	|	|	|
107+10	0.0000	0.00	Q	|	|	|	|	112+20	0.0000	0.00	Q	|	|	|	|
107+15	0.0000	0.00	Q	|	|	|	|	112+25	0.0000	0.00	Q	|	|	|	|
107+20	0.0000	0.00	Q	|	|	|	|	112+30	0.0000	0.00	Q	|	|	|	|
107+25	0.0000	0.00	Q	|	|	|	|	112+35	0.0000	0.00	Q	|	|	|	|
107+30	0.0000	0.00	Q	|	|	|	|	112+40	0.0000	0.00	Q	|	|	|	|
107+35	0.0000	0.00	Q	|	|	|	|	112+45	0.0000	0.00	Q	|	|	|	|
107+40	0.0000	0.00	Q	|	|	|	|	112+50	0.0000	0.00	Q	|	|	|	|
107+45	0.0000	0.00	Q	|	|	|	|	112+55	0.0000	0.00	Q	|	|	|	|
107+50	0.0000	0.00	Q	|	|	|	|	113+ 0	0.0000	0.00	Q	|	|	|	|
107+55	0.0000	0.00	Q	|	|	|	|	113+ 5	0.0000	0.00	Q	|	|	|	|
108+ 0	0.0000	0.00	Q	|	|	|	|	113+10	0.0000	0.00	Q	|	|	|	|
108+ 5	0.0000	0.00	Q	|	|	|	|	113+15	0.0000	0.00	Q	|	|	|	|
108+10	0.0000	0.00	Q	|	|	|	|	113+20	0.0000	0.00	Q	|	|	|	|
108+15	0.0000	0.00	Q	|	|	|	|	113+25	0.0000	0.00	Q	|	|	|	|
108+20	0.0000	0.00	Q	|	|	|	|	113+30	0.0000	0.00	Q	|	|	|	|
108+25	0.0000	0.00	Q	|	|	|	|	113+35	0.0000	0.00	Q	|	|	|	|
108+30	0.0000	0.00	Q	|	|	|	|	113+40	0.0000	0.00	Q	|	|	|	|
108+35	0.0000	0.00	Q	|	|	|	|	113+45	0.0000	0.00	Q	|	|	|	|
108+40	0.0000	0.00	Q	|	|	|	|	113+50	0.0000	0.00	Q	|	|	|	|
108+45	0.0000	0.00	Q	|	|	|	|	113+55	0.0000	0.00	Q	|	|	|	|
108+50	0.0000	0.00	Q	|	|	|	|	114+ 0	0.0000	0.00	Q	|	|	|	|
108+55	0.0000	0.00	Q	|	|	|	|	114+ 5	0.0000	0.00	Q	|	|	|	|
109+ 0	0.0000	0.00	Q	|	|	|	|	114+10	0.0000	0.00	Q	|	|	|	|
109+ 5	0.0000	0.00	Q	|	|	|	|	114+15	0.0000	0.00	Q	|	|	|	|
109+10	0.0000	0.00	Q	|	|	|	|	114+20	0.0000	0.00	Q	|	|	|	|
109+15	0.0000	0.00	Q	|	|	|	|	114+25	0.0000	0.00	Q	|	|	|	|
109+20	0.0000	0.00	Q	|	|	|	|	114+30	0.0000	0.00	Q	|	|	|	|
109+25	0.0000	0.00	Q	|	|	|	|	114+35	0.0000	0.00	Q	|	|	|	|
109+30	0.0000	0.00	Q	|	|	|	|	114+40	0.0000	0.00	Q	|	|	|	|
109+35	0.0000	0.00	Q	|	|	|	|	114+45	0.0000	0.00	Q	|	|	|	|
109+40	0.0000	0.00	Q	|	|	|	|	114+50	0.0000	0.00	Q	|	|	|	|

114+55	0.0000	0.00	Q	|	|	|	|	120+ 5	0.0000	0.00	Q	|	|	|	|
115+ 0	0.0000	0.00	Q	|	|	|	|	120+10	0.0000	0.00	Q	|	|	|	|
115+ 5	0.0000	0.00	Q	|	|	|	|	120+15	0.0000	0.00	Q	|	|	|	|
115+10	0.0000	0.00	Q	|	|	|	|	120+20	0.0000	0.00	Q	|	|	|	|
115+15	0.0000	0.00	Q	|	|	|	|	120+25	0.0000	0.00	Q	|	|	|	|
115+20	0.0000	0.00	Q	|	|	|	|	120+30	0.0000	0.00	Q	|	|	|	|
115+25	0.0000	0.00	Q	|	|	|	|	120+35	0.0000	0.00	Q	|	|	|	|
115+30	0.0000	0.00	Q	|	|	|	|	120+40	0.0000	0.00	Q	|	|	|	|
115+35	0.0000	0.00	Q	|	|	|	|	120+45	0.0000	0.00	Q	|	|	|	|
115+40	0.0000	0.00	Q	|	|	|	|	120+50	0.0000	0.00	Q	|	|	|	|
115+45	0.0000	0.00	Q	|	|	|	|	120+55	0.0000	0.00	Q	|	|	|	|
115+50	0.0000	0.00	Q	|	|	|	|	121+ 0	0.0000	0.00	Q	|	|	|	|
115+55	0.0000	0.00	Q	|	|	|	|	121+ 5	0.0000	0.00	Q	|	|	|	|
116+ 0	0.0000	0.00	Q	|	|	|	|	121+10	0.0000	0.00	Q	|	|	|	|
116+ 5	0.0000	0.00	Q	|	|	|	|	121+15	0.0000	0.00	Q	|	|	|	|
116+10	0.0000	0.00	Q	|	|	|	|	121+20	0.0000	0.00	Q	|	|	|	|
116+15	0.0000	0.00	Q	|	|	|	|	121+25	0.0000	0.00	Q	|	|	|	|
116+20	0.0000	0.00	Q	|	|	|	|	121+30	0.0000	0.00	Q	|	|	|	|
116+25	0.0000	0.00	Q	|	|	|	|	121+35	0.0000	0.00	Q	|	|	|	|
116+30	0.0000	0.00	Q	|	|	|	|	121+40	0.0000	0.00	Q	|	|	|	|
116+35	0.0000	0.00	Q	|	|	|	|	121+45	0.0000	0.00	Q	|	|	|	|
116+40	0.0000	0.00	Q	|	|	|	|	121+50	0.0000	0.00	Q	|	|	|	|
116+45	0.0000	0.00	Q	|	|	|	|	121+55	0.0000	0.00	Q	|	|	|	|
116+50	0.0000	0.00	Q	|	|	|	|	122+ 0	0.0000	0.00	Q	|	|	|	|
116+55	0.0000	0.00	Q	|	|	|	|	122+ 5	0.0000	0.00	Q	|	|	|	|
117+ 0	0.0000	0.00	Q	|	|	|	|	122+10	0.0000	0.00	Q	|	|	|	|
117+ 5	0.0000	0.00	Q	|	|	|	|	122+15	0.0000	0.00	Q	|	|	|	|
117+10	0.0000	0.00	Q	|	|	|	|	122+20	0.0000	0.00	Q	|	|	|	|
117+15	0.0000	0.00	Q	|	|	|	|	122+25	0.0000	0.00	Q	|	|	|	|
117+20	0.0000	0.00	Q	|	|	|	|	122+30	0.0000	0.00	Q	|	|	|	|
117+25	0.0000	0.00	Q	|	|	|	|	122+35	0.0000	0.00	Q	|	|	|	|
117+30	0.0000	0.00	Q	|	|	|	|	122+40	0.0000	0.00	Q	|	|	|	|
117+35	0.0000	0.00	Q	|	|	|	|	122+45	0.0000	0.00	Q	|	|	|	|
117+40	0.0000	0.00	Q	|	|	|	|	122+50	0.0000	0.00	Q	|	|	|	|
117+45	0.0000	0.00	Q	|	|	|	|	122+55	0.0000	0.00	Q	|	|	|	|
117+50	0.0000	0.00	Q	|	|	|	|	123+ 0	0.0000	0.00	Q	|	|	|	|
117+55	0.0000	0.00	Q	|	|	|	|	123+ 5	0.0000	0.00	Q	|	|	|	|
118+ 0	0.0000	0.00	Q	|	|	|	|	123+10	0.0000	0.00	Q	|	|	|	|
118+ 5	0.0000	0.00	Q	|	|	|	|	123+15	0.0000	0.00	Q	|	|	|	|
118+10	0.0000	0.00	Q	|	|	|	|	123+20	0.0000	0.00	Q	|	|	|	|
118+15	0.0000	0.00	Q	|	|	|	|	123+25	0.0000	0.00	Q	|	|	|	|
118+20	0.0000	0.00	Q	|	|	|	|	123+30	0.0000	0.00	Q	|	|	|	|
118+25	0.0000	0.00	Q	|	|	|	|	123+35	0.0000	0.00	Q	|	|	|	|
118+30	0.0000	0.00	Q	|	|	|	|	123+40	0.0000	0.00	Q	|	|	|	|
118+35	0.0000	0.00	Q	|	|	|	|	123+45	0.0000	0.00	Q	|	|	|	|
118+40	0.0000	0.00	Q	|	|	|	|	123+50	0.0000	0.00	Q	|	|	|	|
118+45	0.0000	0.00	Q	|	|	|	|	123+55	0.0000	0.00	Q	|	|	|	|
118+50	0.0000	0.00	Q	|	|	|	|	124+ 0	0.0000	0.00	Q	|	|	|	|
118+55	0.0000	0.00	Q	|	|	|	|	124+ 5	0.0000	0.00	Q	|	|	|	|
119+ 0	0.0000	0.00	Q	|	|	|	|	124+10	0.0000	0.00	Q	|	|	|	|
119+ 5	0.0000	0.00	Q	|	|	|	|	124+15	0.0000	0.00	Q	|	|	|	|
119+10	0.0000	0.00	Q	|	|	|	|	124+20	0.0000	0.00	Q	|	|	|	|
119+15	0.0000	0.00	Q	|	|	|	|	124+25	0.0000	0.00	Q	|	|	|	|
119+20	0.0000	0.00	Q	|	|	|	|	124+30	0.0000	0.00	Q	|	|	|	|
119+25	0.0000	0.00	Q	|	|	|	|	124+35	0.0000	0.00	Q	|	|	|	|
119+30	0.0000	0.00	Q	|	|	|	|	124+40	0.0000	0.00	Q	|	|	|	|
119+35	0.0000	0.00	Q	|	|	|	|	124+45	0.0000	0.00	Q	|	|	|	|
119+40	0.0000	0.00	Q	|	|	|	|	124+50	0.0000	0.00	Q	|	|	|	|
119+45	0.0000	0.00	Q	|	|	|	|	124+55	0.0000	0.00	Q	|	|	|	|
119+50	0.0000	0.00	Q	|	|	|	|	125+ 0	0.0000	0.00	Q	|	|	|	|
119+55	0.0000	0.00	Q	|	|	|	|	125+ 5	0.0000	0.00	Q	|	|	|	|
120+ 0	0.0000	0.00	Q	|	|	|	|	125+10	0.0000	0.00	Q	|	|	|	|

125+15	0.0000	0.00	Q	|	|	|	|	130+25	0.0000	0.00	Q	|	|	|	|
125+20	0.0000	0.00	Q	|	|	|	|	130+30	0.0000	0.00	Q	|	|	|	|
125+25	0.0000	0.00	Q	|	|	|	|	130+35	0.0000	0.00	Q	|	|	|	|
125+30	0.0000	0.00	Q	|	|	|	|	130+40	0.0000	0.00	Q	|	|	|	|
125+35	0.0000	0.00	Q	|	|	|	|	130+45	0.0000	0.00	Q	|	|	|	|
125+40	0.0000	0.00	Q	|	|	|	|	130+50	0.0000	0.00	Q	|	|	|	|
125+45	0.0000	0.00	Q	|	|	|	|	130+55	0.0000	0.00	Q	|	|	|	|
125+50	0.0000	0.00	Q	|	|	|	|	131+ 0	0.0000	0.00	Q	|	|	|	|
125+55	0.0000	0.00	Q	|	|	|	|	131+ 5	0.0000	0.00	Q	|	|	|	|
126+ 0	0.0000	0.00	Q	|	|	|	|	131+10	0.0000	0.00	Q	|	|	|	|
126+ 5	0.0000	0.00	Q	|	|	|	|	131+15	0.0000	0.00	Q	|	|	|	|
126+10	0.0000	0.00	Q	|	|	|	|	131+20	0.0000	0.00	Q	|	|	|	|
126+15	0.0000	0.00	Q	|	|	|	|	131+25	0.0000	0.00	Q	|	|	|	|
126+20	0.0000	0.00	Q	|	|	|	|	131+30	0.0000	0.00	Q	|	|	|	|
126+25	0.0000	0.00	Q	|	|	|	|	131+35	0.0000	0.00	Q	|	|	|	|
126+30	0.0000	0.00	Q	|	|	|	|	131+40	0.0000	0.00	Q	|	|	|	|
126+35	0.0000	0.00	Q	|	|	|	|	131+45	0.0000	0.00	Q	|	|	|	|
126+40	0.0000	0.00	Q	|	|	|	|	131+50	0.0000	0.00	Q	|	|	|	|
126+45	0.0000	0.00	Q	|	|	|	|	131+55	0.0000	0.00	Q	|	|	|	|
126+50	0.0000	0.00	Q	|	|	|	|	132+ 0	0.0000	0.00	Q	|	|	|	|
126+55	0.0000	0.00	Q	|	|	|	|	132+ 5	0.0000	0.00	Q	|	|	|	|
127+ 0	0.0000	0.00	Q	|	|	|	|	132+10	0.0000	0.00	Q	|	|	|	|
127+ 5	0.0000	0.00	Q	|	|	|	|	132+15	0.0000	0.00	Q	|	|	|	|
127+10	0.0000	0.00	Q	|	|	|	|	132+20	0.0000	0.00	Q	|	|	|	|
127+15	0.0000	0.00	Q	|	|	|	|	132+25	0.0000	0.00	Q	|	|	|	|
127+20	0.0000	0.00	Q	|	|	|	|	132+30	0.0000	0.00	Q	|	|	|	|
127+25	0.0000	0.00	Q	|	|	|	|	132+35	0.0000	0.00	Q	|	|	|	|
127+30	0.0000	0.00	Q	|	|	|	|	132+40	0.0000	0.00	Q	|	|	|	|
127+35	0.0000	0.00	Q	|	|	|	|	132+45	0.0000	0.00	Q	|	|	|	|
127+40	0.0000	0.00	Q	|	|	|	|	132+50	0.0000	0.00	Q	|	|	|	|
127+45	0.0000	0.00	Q	|	|	|	|	132+55	0.0000	0.00	Q	|	|	|	|
127+50	0.0000	0.00	Q	|	|	|	|	133+ 0	0.0000	0.00	Q	|	|	|	|
127+55	0.0000	0.00	Q	|	|	|	|	133+ 5	0.0000	0.00	Q	|	|	|	|
128+ 0	0.0000	0.00	Q	|	|	|	|	133+10	0.0000	0.00	Q	|	|	|	|
128+ 5	0.0000	0.00	Q	|	|	|	|	133+15	0.0000	0.00	Q	|	|	|	|
128+10	0.0000	0.00	Q	|	|	|	|	133+20	0.0000	0.00	Q	|	|	|	|
128+15	0.0000	0.00	Q	|	|	|	|	133+25	0.0000	0.00	Q	|	|	|	|
128+20	0.0000	0.00	Q	|	|	|	|	133+30	0.0000	0.00	Q	|	|	|	|
128+25	0.0000	0.00	Q	|	|	|	|	133+35	0.0000	0.00	Q	|	|	|	|
128+30	0.0000	0.00	Q	|	|	|	|	133+40	0.0000	0.00	Q	|	|	|	|
128+35	0.0000	0.00	Q	|	|	|	|	133+45	0.0000	0.00	Q	|	|	|	|
128+40	0.0000	0.00	Q	|	|	|	|	133+50	0.0000	0.00	Q	|	|	|	|
128+45	0.0000	0.00	Q	|	|	|	|	133+55	0.0000	0.00	Q	|	|	|	|
128+50	0.0000	0.00	Q	|	|	|	|	134+ 0	0.0000	0.00	Q	|	|	|	|
128+55	0.0000	0.00	Q	|	|	|	|	134+ 5	0.0000	0.00	Q	|	|	|	|
129+ 0	0.0000	0.00	Q	|	|	|	|	134+10	0.0000	0.00	Q	|	|	|	|
129+ 5	0.0000	0.00	Q	|	|	|	|	134+15	0.0000	0.00	Q	|	|	|	|
129+10	0.0000	0.00	Q	|	|	|	|	134+20	0.0000	0.00	Q	|	|	|	|
129+15	0.0000	0.00	Q	|	|	|	|	134+25	0.0000	0.00	Q	|	|	|	|
129+20	0.0000	0.00	Q	|	|	|	|	134+30	0.0000	0.00	Q	|	|	|	|
129+25	0.0000	0.00	Q	|	|	|	|	134+35	0.0000	0.00	Q	|	|	|	|
129+30	0.0000	0.00	Q	|	|	|	|	134+40	0.0000	0.00	Q	|	|	|	|
129+35	0.0000	0.00	Q	|	|	|	|	134+45	0.0000	0.00	Q	|	|	|	|
129+40	0.0000	0.00	Q	|	|	|	|	134+50	0.0000	0.00	Q	|	|	|	|
129+45	0.0000	0.00	Q	|	|	|	|	134+55	0.0000	0.00	Q	|	|	|	|
129+50	0.0000	0.00	Q	|	|	|	|	135+ 0	0.0000	0.00	Q	|	|	|	|
129+55	0.0000	0.00	Q	|	|	|	|	135+ 5	0.0000	0.00	Q	|	|	|	|
130+ 0	0.0000	0.00	Q	|	|	|	|	135+10	0.0000	0.00	Q	|	|	|	|
130+ 5	0.0000	0.00	Q	|	|	|	|	135+15	0.0000	0.00	Q	|	|	|	|
130+10	0.0000	0.00	Q	|	|	|	|	135+20	0.0000	0.00	Q	|	|	|	|
130+15	0.0000	0.00	Q	|	|	|	|	135+25	0.0000	0.00	Q	|	|	|	|
130+20	0.0000	0.00	Q	|	|	|	|	135+30	0.0000	0.00	Q	|	|	|	|

```
 135+35       0.0000      0.00  Q         |         |         |         |
 135+40       0.0000      0.00  Q         |         |         |         |
 135+45       0.0000      0.00  Q         |         |         |         |
 135+50       0.0000      0.00  Q         |         |         |         |
 135+55       0.0000      0.00  Q         |         |         |         |
 136+ 0       0.0000      0.00  Q         |         |         |         |
 136+ 5       0.0000      0.00  Q         |         |         |         |
 136+10       0.0000      0.00  Q         |         |         |         |
 136+15       0.0000      0.00  Q         |         |         |         |
 136+20       0.0000      0.00  Q         |         |         |         |
 136+25       0.0000      0.00  Q         |         |         |         |
 136+30       0.0000      0.00  Q         |         |         |         |
 136+35       0.0000      0.00  Q         |         |         |         |
 136+40       0.0000      0.00  Q         |         |         |         |
 136+45       0.0000      0.00  Q         |         |         |         |
 136+50       0.0000      0.00  Q         |         |         |         |
 136+55       0.0000      0.00  Q         |         |         |         |
 137+ 0       0.0000      0.00  Q         |         |         |         |
 137+ 5       0.0000      0.00  Q         |         |         |         |
 137+10       0.0000      0.00  Q         |         |         |         |
 137+15       0.0000      0.00  Q         |         |         |         |
 137+20       0.0000      0.00  Q         |         |         |         |
 137+25       0.0000      0.00  Q         |         |         |         |
 137+30       0.0000      0.00  Q         |         |         |         |
 137+35       0.0000      0.00  Q         |         |         |         |
 137+40       0.0000      0.00  Q         |         |         |         |
 137+45       0.0000      0.00  Q         |         |         |         |
 137+50       0.0000      0.00  Q         |         |         |         |
 137+55       0.0000      0.00  Q         |         |         |         |
 138+ 0       0.0000      0.00  Q         |         |         |         |
 138+ 5       0.0000      0.00  Q         |         |         |         |
 138+10       0.0000      0.00  Q         |         |         |         |
 138+15       0.0000      0.00  Q         |         |         |         |
 138+20       0.0000      0.00  Q         |         |         |         |
 138+25       0.0000      0.00  Q         |         |         |         |
 138+30       0.0000      0.00  Q         |         |         |         |
 138+35       0.0000      0.00  Q         |         |         |         |
 138+40       0.0000      0.00  Q         |         |         |         |
 138+45       0.0000      0.00  Q         |         |         |         |
 138+50       0.0000      0.00  Q         |         |         |         |
 138+55       0.0000      0.00  Q         |         |         |         |
 139+ 0       0.0000      0.00  Q         |         |         |         |
 139+ 5       0.0000      0.00  Q         |         |         |         |
 139+10       0.0000      0.00  Q         |         |         |         |
 139+15       0.0000      0.00  Q         |         |         |         |
 139+20       0.0000      0.00  Q         |         |         |         |
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA***************************
                    Number of intervals =  3258
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       10.505 (CFS)
                    Total volume =       4.765 (Ac.Ft)
              Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                     Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
             ************************************************************************

             ------------------------------------------------------------------------
```

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                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                    Study date: 02/16/24

------------------------------------------------------------------------


MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 6 HOUR
AREAS 9A, 9B & 9C
2/09/24
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP9A1006100.rte
**************************HYDROGRAPH DATA**************************
                Number of intervals =    77
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       32.654 (CFS)
                Total volume =       4.384 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.000 to Point/Station        9.100
**** RETARDING BASIN ROUTING ****
________________________________________________________________________


User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 77
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  0.500      0.052      0.310      0.051        0.053
  1.000      0.113      0.450      0.111        0.115
  1.500      0.184      0.560      0.182        0.186
  2.000      0.266      0.650      0.264        0.268
  2.500      0.360      0.730      0.357        0.363
  3.000      0.466      0.810      0.463        0.469
  3.500      0.586      0.870      0.583        0.589
  4.000      0.721      0.930      0.718        0.724
  4.500      0.881      0.990      0.878        0.884
  5.000      1.059      1.050      1.055        1.063
  5.500      1.247      1.100      1.243        1.251
  6.000      1.455      1.150      1.451        1.459
  6.500      1.685      1.190      1.681        1.689
  7.000      1.938      1.240      1.934        1.942
  7.500      2.218      1.280      2.214        2.222
  8.000      2.525      1.330      2.520        2.530
  8.500      2.868     13.380      2.822        2.914
  9.000      3.257     35.380      3.135        3.379
------------------------------------------------------------------------
                    Hydrograph Detention Basin Routing
------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                  Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0       8.2   16.33   24.49   32.65 (Ft.)
 0.083   0.71    0.01      0.002  O       |       |       |       |     0.02
 0.167   2.38    0.08      0.013  O I     |       |       |       |     0.12
 0.250   3.12    0.18      0.031  O  I    |       |       |       |     0.30
 0.333   3.30    0.31      0.051  O  I    |       |       |       |     0.49
 0.417   3.35    0.36      0.072  O  I    |       |       |       |     0.66
 0.500   3.55    0.40      0.093  O  I    |       |       |       |     0.84
 0.583   3.94    0.45      0.116  O  I    |       |       |       |     1.02
 0.667   4.03    0.49      0.140  O  I    |       |       |       |     1.19
 0.750   4.05    0.53      0.164  O  I    |       |       |       |     1.36
 0.833   4.06    0.56      0.189  O  I    |       |       |       |     1.53
 0.917   4.06    0.59      0.212  O  I    |       |       |       |     1.67
 1.000   4.25    0.62      0.237  O   I   |       |       |       |     1.82
 1.083   4.63    0.65      0.263  O   I   |       |       |       |     1.98
 1.167   4.72    0.67      0.291  O   I   |       |       |       |     2.13
 1.250   4.74    0.69      0.319  O   I   |       |       |       |     2.28
 1.333   4.75    0.72      0.347  O   I   |       |       |       |     2.43
 1.417   4.75    0.74      0.374  O   I   |       |       |       |     2.57
 1.500   4.75    0.76      0.402  O   I   |       |       |       |     2.70
 1.583   4.75    0.78      0.429  O   I   |       |       |       |     2.83
 1.667   4.75    0.80      0.456  O   I   |       |       |       |     2.96
 1.750   4.75    0.82      0.484  O   I   |       |       |       |     3.07
 1.833   4.75    0.83      0.511  O   I   |       |       |       |     3.19
 1.917   4.75    0.85      0.538  O   I   |       |       |       |     3.30
 2.000   4.94    0.86      0.565  O   I   |       |       |       |     3.41
 2.083   5.14    0.87      0.594  O    I  |       |       |       |     3.53
 2.167   5.03    0.89      0.623  O   I   |       |       |       |     3.64
 2.250   5.34    0.90      0.652  O    I  |       |       |       |     3.75
 2.333   5.42    0.91      0.683  O    I  |       |       |       |     3.86
 2.417   5.44    0.93      0.714  O    I  |       |       |       |     3.98
 2.500   5.44    0.94      0.745  O    I  |       |       |       |     4.08
 2.583   5.45    0.95      0.776  O    I  |       |       |       |     4.17
 2.667   5.45    0.96      0.807  O    I  |       |       |       |     4.27
 2.750   5.63    0.97      0.839  O    I  |       |       |       |     4.37
 2.833   6.01    0.99      0.872  O    I  |       |       |       |     4.47
 2.917   6.11    1.00      0.907  O    I  |       |       |       |     4.57
 3.000   6.13    1.01      0.942  O     I |       |       |       |     4.67
 3.083   6.14    1.02      0.977  |O    I |       |       |       |     4.77
 3.167   6.32    1.03      1.013  |O    I |       |       |       |     4.87
 3.250   6.71    1.05      1.051  |O    I |       |       |       |     4.98
 3.333   6.80    1.06      1.090  |O    I |       |       |       |     5.08
 3.417   7.01    1.07      1.130  |O    I |       |       |       |     5.19
```

3.500	7.58	1.08	1.173	|O I|				5.30	8.667	0.00	1.30	2.313	IO					7.65
3.583	8.24	1.09	1.220	|O I|				5.43	8.750	0.00	1.29	2.304	IO					7.64
3.667	8.74	1.11	1.271	|O I|				5.56	8.833	0.00	1.29	2.295	IO					7.63
3.750	9.05	1.12	1.325	|O I|				5.69	8.917	0.00	1.29	2.286	IO					7.61
3.833	9.46	1.13	1.381	|OI|				5.82	9.000	0.00	1.29	2.277	IO					7.60
3.917	9.75	1.15	1.439	|OI|				5.96	9.083	0.00	1.29	2.268	IO					7.58
4.000	10.16	1.16	1.500	|OI|				6.10	9.167	0.00	1.29	2.259	IO					7.57
4.083	10.44	1.17	1.563	|O I|				6.23	9.250	0.00	1.29	2.251	IO					7.55
4.167	11.03	1.18	1.628	|O I|				6.38	9.333	0.00	1.28	2.242	IO					7.54
4.250	11.70	1.19	1.699	|O I|				6.53	9.417	0.00	1.28	2.233	IO					7.52
4.333	12.39	1.21	1.773	|O I|				6.67	9.500	0.00	1.28	2.224	IO					7.51
4.417	13.08	1.22	1.853	|O I|				6.83	9.583	0.00	1.28	2.215	IO					7.50
4.500	13.58	1.24	1.936	|O I|				7.00	9.667	0.00	1.28	2.206	IO					7.48
4.583	13.89	1.25	2.022	|O I|				7.15	9.750	0.00	1.28	2.198	IO					7.46
4.667	14.49	1.26	2.111	|O I|				7.31	9.833	0.00	1.28	2.189	IO					7.45
4.750	15.16	1.28	2.204	|O I|				7.48	9.917	0.00	1.27	2.180	IO					7.43
4.833	15.66	1.29	2.302	|O I|				7.64	10.000	0.00	1.27	2.171	IO					7.42
4.917	15.97	1.31	2.402	|O I|				7.80	10.083	0.00	1.27	2.163	IO					7.40
5.000	16.57	1.33	2.505	|O I|				7.97	10.167	0.00	1.27	2.154	IO					7.39
5.083	17.98	4.13	2.605	| O |I|				8.12	10.250	0.00	1.27	2.145	IO					7.37
5.167	20.93	7.44	2.699	| O| I |				8.25	10.333	0.00	1.27	2.136	IO					7.35
5.250	23.89	10.67	2.791	| O I|				8.39	10.417	0.00	1.27	2.128	IO					7.34
5.333	26.19	13.97	2.878	| O |I |				8.51	10.500	0.00	1.27	2.119	IO					7.32
5.417	28.69	18.36	2.956	|O | I |				8.61	10.583	0.00	1.26	2.110	IO					7.31
5.500	32.65	22.38	3.027	| O | I|				8.70	10.667	0.00	1.26	2.101	IO					7.29
5.583	29.84	25.27	3.078	| O I |				8.77	10.750	0.00	1.26	2.093	IO					7.28
5.667	14.82	24.31	3.061	| I O|				8.75	10.833	0.00	1.26	2.084	IO					7.26
5.750	7.23	19.98	2.985	| I| O |				8.65	10.917	0.00	1.26	2.075	IO					7.25
5.833	4.18	15.32	2.902	| I | O|				8.54	11.000	0.00	1.26	2.067	IO					7.23
5.917	2.77	12.11	2.832	| I | O |				8.45	11.083	0.00	1.26	2.058	IO					7.21
6.000	1.71	9.98	2.771	|I |O |				8.36	11.167	0.00	1.26	2.049	IO					7.20
6.083	0.93	8.11	2.718	I O|				8.28	11.250	0.00	1.25	2.041	IO					7.18
6.167	0.23	6.49	2.672	I O |				8.21	11.333	0.00	1.25	2.032	IO					7.17
6.250	0.06	5.12	2.633	I O |				8.16	11.417	0.00	1.25	2.023	IO					7.15
6.333	0.01	4.02	2.602	I O |				8.11	11.500	0.00	1.25	2.015	IO					7.14
6.417	0.00	3.15	2.577	I O |				8.08	11.583	0.00	1.25	2.006	IO					7.12
6.500	0.00	2.47	2.558	I O |				8.05	11.667	0.00	1.25	1.998	IO					7.11
6.583	0.00	1.94	2.542	IO |				8.03	11.750	0.00	1.25	1.989	IO					7.09
6.667	0.00	1.52	2.530	IO |				8.01	11.833	0.00	1.25	1.980	IO					7.08
6.750	0.00	1.33	2.521	IO |				7.99	11.917	0.00	1.24	1.972	IO					7.06
6.833	0.00	1.33	2.511	IO |				7.98	12.000	0.00	1.24	1.963	IO					7.05
6.917	0.00	1.33	2.502	IO |				7.96	12.083	0.00	1.24	1.955	IO					7.03
7.000	0.00	1.32	2.493	IO |				7.95	12.167	0.00	1.24	1.946	IO					7.01
7.083	0.00	1.32	2.484	IO |				7.93	12.250	0.00	1.24	1.938	IO					7.00
7.167	0.00	1.32	2.475	IO |				7.92	12.333	0.00	1.24	1.929	IO					6.98
7.250	0.00	1.32	2.466	IO |				7.90	12.417	0.00	1.24	1.921	IO					6.97
7.333	0.00	1.32	2.457	IO |				7.89	12.500	0.00	1.23	1.912	IO					6.95
7.417	0.00	1.32	2.448	IO |				7.87	12.583	0.00	1.23	1.904	IO					6.93
7.500	0.00	1.32	2.439	IO |				7.86	12.667	0.00	1.23	1.895	IO					6.92
7.583	0.00	1.31	2.430	IO |				7.84	12.750	0.00	1.23	1.887	IO					6.90
7.667	0.00	1.31	2.421	IO |				7.83	12.833	0.00	1.23	1.878	IO					6.88
7.750	0.00	1.31	2.412	IO |				7.82	12.917	0.00	1.23	1.870	IO					6.86
7.833	0.00	1.31	2.402	IO |				7.80	13.000	0.00	1.22	1.861	IO					6.85
7.917	0.00	1.31	2.393	IO |				7.79	13.083	0.00	1.22	1.853	IO					6.83
8.000	0.00	1.31	2.384	IO |				7.77	13.167	0.00	1.22	1.844	IO					6.81
8.083	0.00	1.31	2.375	IO |				7.76	13.250	0.00	1.22	1.836	IO					6.80
8.167	0.00	1.30	2.366	IO |				7.74	13.333	0.00	1.22	1.828	IO					6.78
8.250	0.00	1.30	2.357	IO |				7.73	13.417	0.00	1.22	1.819	IO					6.77
8.333	0.00	1.30	2.349	IO |				7.71	13.500	0.00	1.21	1.811	IO					6.75
8.417	0.00	1.30	2.340	IO |				7.70	13.583	0.00	1.21	1.802	IO					6.73
8.500	0.00	1.30	2.331	IO |				7.68	13.667	0.00	1.21	1.794	IO					6.72
8.583	0.00	1.30	2.322	IO |				7.67	13.750	0.00	1.21	1.786	IO					6.70

13.833	0.00	1.21	1.777	IO	|	|	|	|	6.68	19.000	0.00	1.11	1.282	IO	|	|	|	|	5.58
13.917	0.00	1.21	1.769	IO	|	|	|	|	6.67	19.083	0.00	1.11	1.274	IO	|	|	|	|	5.57
14.000	0.00	1.20	1.761	IO	|	|	|	|	6.65	19.167	0.00	1.10	1.267	IO	|	|	|	|	5.55
14.083	0.00	1.20	1.753	IO	|	|	|	|	6.63	19.250	0.00	1.10	1.259	IO	|	|	|	|	5.53
14.167	0.00	1.20	1.744	IO	|	|	|	|	6.62	19.333	0.00	1.10	1.251	IO	|	|	|	|	5.51
14.250	0.00	1.20	1.736	IO	|	|	|	|	6.60	19.417	0.00	1.10	1.244	IO	|	|	|	|	5.49
14.333	0.00	1.20	1.728	IO	|	|	|	|	6.58	19.500	0.00	1.10	1.236	IO	|	|	|	|	5.47
14.417	0.00	1.20	1.719	IO	|	|	|	|	6.57	19.583	0.00	1.10	1.229	IO	|	|	|	|	5.45
14.500	0.00	1.20	1.711	IO	|	|	|	|	6.55	19.667	0.00	1.09	1.221	IO	|	|	|	|	5.43
14.583	0.00	1.19	1.703	IO	|	|	|	|	6.54	19.750	0.00	1.09	1.214	IO	|	|	|	|	5.41
14.667	0.00	1.19	1.695	IO	|	|	|	|	6.52	19.833	0.00	1.09	1.206	IO	|	|	|	|	5.39
14.750	0.00	1.19	1.687	IO	|	|	|	|	6.50	19.917	0.00	1.09	1.199	IO	|	|	|	|	5.37
14.833	0.00	1.19	1.678	IO	|	|	|	|	6.49	20.000	0.00	1.09	1.191	IO	|	|	|	|	5.35
14.917	0.00	1.19	1.670	IO	|	|	|	|	6.47	20.083	0.00	1.08	1.184	IO	|	|	|	|	5.33
15.000	0.00	1.19	1.662	IO	|	|	|	|	6.45	20.167	0.00	1.08	1.176	IO	|	|	|	|	5.31
15.083	0.00	1.18	1.654	IO	|	|	|	|	6.43	20.250	0.00	1.08	1.169	IO	|	|	|	|	5.29
15.167	0.00	1.18	1.646	IO	|	|	|	|	6.41	20.333	0.00	1.08	1.161	IO	|	|	|	|	5.27
15.250	0.00	1.18	1.638	IO	|	|	|	|	6.40	20.417	0.00	1.08	1.154	IO	|	|	|	|	5.25
15.333	0.00	1.18	1.629	IO	|	|	|	|	6.38	20.500	0.00	1.07	1.147	IO	|	|	|	|	5.23
15.417	0.00	1.18	1.621	IO	|	|	|	|	6.36	20.583	0.00	1.07	1.139	IO	|	|	|	|	5.21
15.500	0.00	1.18	1.613	IO	|	|	|	|	6.34	20.667	0.00	1.07	1.132	IO	|	|	|	|	5.19
15.583	0.00	1.18	1.605	IO	|	|	|	|	6.33	20.750	0.00	1.07	1.125	IO	|	|	|	|	5.17
15.667	0.00	1.17	1.597	IO	|	|	|	|	6.31	20.833	0.00	1.07	1.117	IO	|	|	|	|	5.15
15.750	0.00	1.17	1.589	IO	|	|	|	|	6.29	20.917	0.00	1.06	1.110	IO	|	|	|	|	5.14
15.833	0.00	1.17	1.581	IO	|	|	|	|	6.27	21.000	0.00	1.06	1.103	IO	|	|	|	|	5.12
15.917	0.00	1.17	1.573	IO	|	|	|	|	6.26	21.083	0.00	1.06	1.095	IO	|	|	|	|	5.10
16.000	0.00	1.17	1.565	IO	|	|	|	|	6.24	21.167	0.00	1.06	1.088	IO	|	|	|	|	5.08
16.083	0.00	1.17	1.557	IO	|	|	|	|	6.22	21.250	0.00	1.06	1.081	IO	|	|	|	|	5.06
16.167	0.00	1.17	1.549	IO	|	|	|	|	6.20	21.333	0.00	1.05	1.073	IO	|	|	|	|	5.04
16.250	0.00	1.16	1.541	IO	|	|	|	|	6.19	21.417	0.00	1.05	1.066	IO	|	|	|	|	5.02
16.333	0.00	1.16	1.533	IO	|	|	|	|	6.17	21.500	0.00	1.05	1.059	IO	|	|	|	|	5.00
16.417	0.00	1.16	1.525	IO	|	|	|	|	6.15	21.583	0.00	1.05	1.052	IO	|	|	|	|	4.98
16.500	0.00	1.16	1.517	IO	|	|	|	|	6.13	21.667	0.00	1.05	1.044	IO	|	|	|	|	4.96
16.583	0.00	1.16	1.509	IO	|	|	|	|	6.12	21.750	0.00	1.04	1.037	IO	|	|	|	|	4.94
16.667	0.00	1.16	1.501	IO	|	|	|	|	6.10	21.833	0.00	1.04	1.030	IO	|	|	|	|	4.92
16.750	0.00	1.16	1.493	IO	|	|	|	|	6.08	21.917	0.00	1.04	1.023	IO	|	|	|	|	4.90
16.833	0.00	1.16	1.485	IO	|	|	|	|	6.06	22.000	0.00	1.04	1.016	IO	|	|	|	|	4.88
16.917	0.00	1.15	1.477	IO	|	|	|	|	6.05	22.083	0.00	1.03	1.009	IO	|	|	|	|	4.86
17.000	0.00	1.15	1.469	IO	|	|	|	|	6.03	22.167	0.00	1.03	1.002	IO	|	|	|	|	4.84
17.083	0.00	1.15	1.461	IO	|	|	|	|	6.01	22.250	0.00	1.03	0.995	IO	|	|	|	|	4.82
17.167	0.00	1.15	1.453	IO	|	|	|	|	6.00	22.333	0.00	1.03	0.987	IO	|	|	|	|	4.80
17.250	0.00	1.15	1.445	IO	|	|	|	|	5.98	22.417	0.00	1.02	0.980	IO	|	|	|	|	4.78
17.333	0.00	1.15	1.437	IO	|	|	|	|	5.96	22.500	0.00	1.02	0.973	IO	|	|	|	|	4.76
17.417	0.00	1.14	1.429	IO	|	|	|	|	5.94	22.583	0.00	1.02	0.966	O	|	|	|	|	4.74
17.500	0.00	1.14	1.421	IO	|	|	|	|	5.92	22.667	0.00	1.02	0.959	O	|	|	|	|	4.72
17.583	0.00	1.14	1.414	IO	|	|	|	|	5.90	22.750	0.00	1.01	0.952	O	|	|	|	|	4.70
17.667	0.00	1.14	1.406	IO	|	|	|	|	5.88	22.833	0.00	1.01	0.945	O	|	|	|	|	4.68
17.750	0.00	1.14	1.398	IO	|	|	|	|	5.86	22.917	0.00	1.01	0.938	O	|	|	|	|	4.66
17.833	0.00	1.13	1.390	IO	|	|	|	|	5.84	23.000	0.00	1.01	0.931	O	|	|	|	|	4.64
17.917	0.00	1.13	1.382	IO	|	|	|	|	5.83	23.083	0.00	1.00	0.925	O	|	|	|	|	4.62
18.000	0.00	1.13	1.374	IO	|	|	|	|	5.81	23.167	0.00	1.00	0.918	O	|	|	|	|	4.60
18.083	0.00	1.13	1.367	IO	|	|	|	|	5.79	23.250	0.00	1.00	0.911	O	|	|	|	|	4.58
18.167	0.00	1.13	1.359	IO	|	|	|	|	5.77	23.333	0.00	1.00	0.904	O	|	|	|	|	4.56
18.250	0.00	1.13	1.351	IO	|	|	|	|	5.75	23.417	0.00	1.00	0.897	O	|	|	|	|	4.54
18.333	0.00	1.12	1.343	IO	|	|	|	|	5.73	23.500	0.00	0.99	0.890	O	|	|	|	|	4.53
18.417	0.00	1.12	1.336	IO	|	|	|	|	5.71	23.583	0.00	0.99	0.883	O	|	|	|	|	4.51
18.500	0.00	1.12	1.328	IO	|	|	|	|	5.69	23.667	0.00	0.99	0.876	O	|	|	|	|	4.49
18.583	0.00	1.12	1.320	IO	|	|	|	|	5.68	23.750	0.00	0.99	0.870	O	|	|	|	|	4.46
18.667	0.00	1.12	1.313	IO	|	|	|	|	5.66	23.833	0.00	0.98	0.863	O	|	|	|	|	4.44
18.750	0.00	1.11	1.305	IO	|	|	|	|	5.64	23.917	0.00	0.98	0.856	O	|	|	|	|	4.42
18.833	0.00	1.11	1.297	IO	|	|	|	|	5.62	24.000	0.00	0.98	0.849	O	|	|	|	|	4.40
18.917	0.00	1.11	1.290	IO	|	|	|	|	5.60	24.083	0.00	0.98	0.843	O	|	|	|	|	4.38

24.167	0.00	0.97	0.836	O	|	|	|	|	4.36	29.333	0.00	0.80	0.455	O	|	|	|	|	2.95
24.250	0.00	0.97	0.829	O	|	|	|	|	4.34	29.417	0.00	0.80	0.450	O	|	|	|	|	2.92
24.333	0.00	0.97	0.823	O	|	|	|	|	4.32	29.500	0.00	0.79	0.444	O	|	|	|	|	2.90
24.417	0.00	0.97	0.816	O	|	|	|	|	4.30	29.583	0.00	0.79	0.439	O	|	|	|	|	2.87
24.500	0.00	0.96	0.809	O	|	|	|	|	4.28	29.667	0.00	0.79	0.433	O	|	|	|	|	2.85
24.583	0.00	0.96	0.803	O	|	|	|	|	4.26	29.750	0.00	0.78	0.428	O	|	|	|	|	2.82
24.667	0.00	0.96	0.796	O	|	|	|	|	4.23	29.833	0.00	0.78	0.423	O	|	|	|	|	2.80
24.750	0.00	0.96	0.789	O	|	|	|	|	4.21	29.917	0.00	0.77	0.417	O	|	|	|	|	2.77
24.833	0.00	0.95	0.783	O	|	|	|	|	4.19	30.000	0.00	0.77	0.412	O	|	|	|	|	2.75
24.917	0.00	0.95	0.776	O	|	|	|	|	4.17	30.083	0.00	0.77	0.407	O	|	|	|	|	2.72
25.000	0.00	0.95	0.770	O	|	|	|	|	4.15	30.167	0.00	0.76	0.402	O	|	|	|	|	2.70
25.083	0.00	0.95	0.763	O	|	|	|	|	4.13	30.250	0.00	0.76	0.396	O	|	|	|	|	2.67
25.167	0.00	0.94	0.757	O	|	|	|	|	4.11	30.333	0.00	0.75	0.391	O	|	|	|	|	2.65
25.250	0.00	0.94	0.750	O	|	|	|	|	4.09	30.417	0.00	0.75	0.386	O	|	|	|	|	2.62
25.333	0.00	0.94	0.744	O	|	|	|	|	4.07	30.500	0.00	0.75	0.381	O	|	|	|	|	2.60
25.417	0.00	0.94	0.737	O	|	|	|	|	4.05	30.583	0.00	0.74	0.376	O	|	|	|	|	2.57
25.500	0.00	0.93	0.731	O	|	|	|	|	4.03	30.667	0.00	0.74	0.371	O	|	|	|	|	2.55
25.583	0.00	0.93	0.724	O	|	|	|	|	4.01	30.750	0.00	0.73	0.365	O	|	|	|	|	2.53
25.667	0.00	0.93	0.718	O	|	|	|	|	3.99	30.833	0.00	0.73	0.360	O	|	|	|	|	2.50
25.750	0.00	0.93	0.712	O	|	|	|	|	3.97	30.917	0.00	0.73	0.355	O	|	|	|	|	2.48
25.833	0.00	0.92	0.705	O	|	|	|	|	3.94	31.000	0.00	0.72	0.350	O	|	|	|	|	2.45
25.917	0.00	0.92	0.699	O	|	|	|	|	3.92	31.083	0.00	0.72	0.345	O	|	|	|	|	2.42
26.000	0.00	0.92	0.693	O	|	|	|	|	3.89	31.167	0.00	0.71	0.341	O	|	|	|	|	2.40
26.083	0.00	0.91	0.686	O	|	|	|	|	3.87	31.250	0.00	0.71	0.336	O	|	|	|	|	2.37
26.167	0.00	0.91	0.680	O	|	|	|	|	3.85	31.333	0.00	0.71	0.331	O	|	|	|	|	2.34
26.250	0.00	0.91	0.674	O	|	|	|	|	3.83	31.417	0.00	0.70	0.326	O	|	|	|	|	2.32
26.333	0.00	0.91	0.668	O	|	|	|	|	3.80	31.500	0.00	0.70	0.321	O	|	|	|	|	2.29
26.417	0.00	0.90	0.661	O	|	|	|	|	3.78	31.583	0.00	0.69	0.316	O	|	|	|	|	2.27
26.500	0.00	0.90	0.655	O	|	|	|	|	3.76	31.667	0.00	0.69	0.312	O	|	|	|	|	2.24
26.583	0.00	0.90	0.649	O	|	|	|	|	3.73	31.750	0.00	0.68	0.307	O	|	|	|	|	2.22
26.667	0.00	0.90	0.643	O	|	|	|	|	3.71	31.833	0.00	0.68	0.302	O	|	|	|	|	2.19
26.750	0.00	0.89	0.637	O	|	|	|	|	3.69	31.917	0.00	0.68	0.297	O	|	|	|	|	2.17
26.833	0.00	0.89	0.630	O	|	|	|	|	3.66	32.000	0.00	0.67	0.293	O	|	|	|	|	2.14
26.917	0.00	0.89	0.624	O	|	|	|	|	3.64	32.083	0.00	0.67	0.288	O	|	|	|	|	2.12
27.000	0.00	0.88	0.618	O	|	|	|	|	3.62	32.167	0.00	0.66	0.284	O	|	|	|	|	2.09
27.083	0.00	0.88	0.612	O	|	|	|	|	3.60	32.250	0.00	0.66	0.279	O	|	|	|	|	2.07
27.167	0.00	0.88	0.606	O	|	|	|	|	3.57	32.333	0.00	0.66	0.275	O	|	|	|	|	2.05
27.250	0.00	0.88	0.600	O	|	|	|	|	3.55	32.417	0.00	0.65	0.270	O	|	|	|	|	2.02
27.333	0.00	0.87	0.594	O	|	|	|	|	3.53	32.500	0.00	0.65	0.266	O	|	|	|	|	2.00
27.417	0.00	0.87	0.588	O	|	|	|	|	3.51	32.583	0.00	0.64	0.261	O	|	|	|	|	1.97
27.500	0.00	0.87	0.582	O	|	|	|	|	3.48	32.667	0.00	0.64	0.257	O	|	|	|	|	1.94
27.583	0.00	0.87	0.576	O	|	|	|	|	3.46	32.750	0.00	0.63	0.252	O	|	|	|	|	1.92
27.667	0.00	0.86	0.570	O	|	|	|	|	3.43	32.833	0.00	0.63	0.248	O	|	|	|	|	1.89
27.750	0.00	0.86	0.564	O	|	|	|	|	3.41	32.917	0.00	0.63	0.244	O	|	|	|	|	1.86
27.833	0.00	0.86	0.558	O	|	|	|	|	3.38	33.000	0.00	0.62	0.239	O	|	|	|	|	1.84
27.917	0.00	0.85	0.552	O	|	|	|	|	3.36	33.083	0.00	0.62	0.235	O	|	|	|	|	1.81
28.000	0.00	0.85	0.546	O	|	|	|	|	3.34	33.167	0.00	0.61	0.231	O	|	|	|	|	1.79
28.083	0.00	0.85	0.541	O	|	|	|	|	3.31	33.250	0.00	0.61	0.227	O	|	|	|	|	1.76
28.167	0.00	0.84	0.535	O	|	|	|	|	3.29	33.333	0.00	0.60	0.222	O	|	|	|	|	1.73
28.250	0.00	0.84	0.529	O	|	|	|	|	3.26	33.417	0.00	0.60	0.218	O	|	|	|	|	1.71
28.333	0.00	0.84	0.523	O	|	|	|	|	3.24	33.500	0.00	0.59	0.214	O	|	|	|	|	1.68
28.417	0.00	0.84	0.517	O	|	|	|	|	3.21	33.583	0.00	0.59	0.210	O	|	|	|	|	1.66
28.500	0.00	0.83	0.512	O	|	|	|	|	3.19	33.667	0.00	0.58	0.206	O	|	|	|	|	1.63
28.583	0.00	0.83	0.506	O	|	|	|	|	3.17	33.750	0.00	0.58	0.202	O	|	|	|	|	1.61
28.667	0.00	0.83	0.500	O	|	|	|	|	3.14	33.833	0.00	0.58	0.198	O	|	|	|	|	1.59
28.750	0.00	0.82	0.495	O	|	|	|	|	3.12	33.917	0.00	0.57	0.194	O	|	|	|	|	1.56
28.833	0.00	0.82	0.489	O	|	|	|	|	3.10	34.000	0.00	0.57	0.190	O	|	|	|	|	1.54
28.917	0.00	0.82	0.483	O	|	|	|	|	3.07	34.083	0.00	0.56	0.186	O	|	|	|	|	1.51
29.000	0.00	0.82	0.478	O	|	|	|	|	3.05	34.167	0.00	0.56	0.182	O	|	|	|	|	1.49
29.083	0.00	0.81	0.472	O	|	|	|	|	3.03	34.250	0.00	0.55	0.179	O	|	|	|	|	1.46
29.167	0.00	0.81	0.466	O	|	|	|	|	3.00	34.333	0.00	0.55	0.175	O	|	|	|	|	1.44
29.250	0.00	0.81	0.461	O	|	|	|	|	2.98	34.417	0.00	0.54	0.171	O	|	|	|	|	1.41

34.500	0.00	0.53	0.167	O	|	|	|	|	1.38	39.667	0.00	0.12	0.021	O	|	|	|	|	0.20
34.583	0.00	0.53	0.164	O	|	|	|	|	1.36	39.750	0.00	0.12	0.020	O	|	|	|	|	0.19
34.667	0.00	0.52	0.160	O	|	|	|	|	1.33	39.833	0.00	0.11	0.019	O	|	|	|	|	0.18
34.750	0.00	0.52	0.157	O	|	|	|	|	1.31	39.917	0.00	0.11	0.018	O	|	|	|	|	0.18
34.833	0.00	0.51	0.153	O	|	|	|	|	1.28	40.000	0.00	0.11	0.018	O	|	|	|	|	0.17
34.917	0.00	0.51	0.150	O	|	|	|	|	1.26	40.083	0.00	0.10	0.017	O	|	|	|	|	0.16
35.000	0.00	0.50	0.146	O	|	|	|	|	1.23	40.167	0.00	0.10	0.016	O	|	|	|	|	0.16
35.083	0.00	0.50	0.143	O	|	|	|	|	1.21	40.250	0.00	0.09	0.016	O	|	|	|	|	0.15
35.167	0.00	0.49	0.139	O	|	|	|	|	1.18	40.333	0.00	0.09	0.015	O	|	|	|	|	0.14
35.250	0.00	0.49	0.136	O	|	|	|	|	1.16	40.417	0.00	0.09	0.014	O	|	|	|	|	0.14
35.333	0.00	0.48	0.133	O	|	|	|	|	1.14	40.500	0.00	0.08	0.014	O	|	|	|	|	0.13
35.417	0.00	0.48	0.129	O	|	|	|	|	1.11	40.583	0.00	0.08	0.013	O	|	|	|	|	0.13
35.500	0.00	0.47	0.126	O	|	|	|	|	1.09	40.667	0.00	0.08	0.013	O	|	|	|	|	0.12
35.583	0.00	0.47	0.123	O	|	|	|	|	1.07	40.750	0.00	0.07	0.012	O	|	|	|	|	0.12
35.667	0.00	0.46	0.120	O	|	|	|	|	1.05	40.833	0.00	0.07	0.012	O	|	|	|	|	0.11
35.750	0.00	0.46	0.116	O	|	|	|	|	1.02	40.917	0.00	0.07	0.011	O	|	|	|	|	0.11
35.833	0.00	0.45	0.113	O	|	|	|	|	1.00	41.000	0.00	0.06	0.011	O	|	|	|	|	0.10
35.917	0.00	0.44	0.110	O	|	|	|	|	0.98	41.083	0.00	0.06	0.010	O	|	|	|	|	0.10
36.000	0.00	0.44	0.107	O	|	|	|	|	0.95	41.167	0.00	0.06	0.010	O	|	|	|	|	0.10
36.083	0.00	0.43	0.104	O	|	|	|	|	0.93	41.250	0.00	0.06	0.010	O	|	|	|	|	0.09
36.167	0.00	0.42	0.101	O	|	|	|	|	0.90	41.333	0.00	0.05	0.009	O	|	|	|	|	0.09
36.250	0.00	0.42	0.098	O	|	|	|	|	0.88	41.417	0.00	0.05	0.009	O	|	|	|	|	0.08
36.333	0.00	0.41	0.096	O	|	|	|	|	0.86	41.500	0.00	0.05	0.008	O	|	|	|	|	0.08
36.417	0.00	0.40	0.093	O	|	|	|	|	0.83	41.583	0.00	0.05	0.008	O	|	|	|	|	0.08
36.500	0.00	0.40	0.090	O	|	|	|	|	0.81	41.667	0.00	0.05	0.008	O	|	|	|	|	0.07
36.583	0.00	0.39	0.087	O	|	|	|	|	0.79	41.750	0.00	0.04	0.007	O	|	|	|	|	0.07
36.667	0.00	0.38	0.085	O	|	|	|	|	0.77	41.833	0.00	0.04	0.007	O	|	|	|	|	0.07
36.750	0.00	0.38	0.082	O	|	|	|	|	0.75	41.917	0.00	0.04	0.007	O	|	|	|	|	0.07
36.833	0.00	0.37	0.079	O	|	|	|	|	0.72	42.000	0.00	0.04	0.007	O	|	|	|	|	0.06
36.917	0.00	0.37	0.077	O	|	|	|	|	0.70	42.083	0.00	0.04	0.006	O	|	|	|	|	0.06
37.000	0.00	0.36	0.074	O	|	|	|	|	0.68	42.167	0.00	0.04	0.006	O	|	|	|	|	0.06
37.083	0.00	0.36	0.072	O	|	|	|	|	0.66	42.250	0.00	0.03	0.006	O	|	|	|	|	0.06
37.167	0.00	0.35	0.069	O	|	|	|	|	0.64	42.333	0.00	0.03	0.006	O	|	|	|	|	0.05
37.250	0.00	0.34	0.067	O	|	|	|	|	0.62	42.417	0.00	0.03	0.005	O	|	|	|	|	0.05
37.333	0.00	0.34	0.065	O	|	|	|	|	0.60	42.500	0.00	0.03	0.005	O	|	|	|	|	0.05
37.417	0.00	0.33	0.062	O	|	|	|	|	0.59	42.583	0.00	0.03	0.005	O	|	|	|	|	0.05
37.500	0.00	0.33	0.060	O	|	|	|	|	0.57	42.667	0.00	0.03	0.005	O	|	|	|	|	0.05
37.583	0.00	0.32	0.058	O	|	|	|	|	0.55	42.750	0.00	0.03	0.005	O	|	|	|	|	0.04
37.667	0.00	0.32	0.056	O	|	|	|	|	0.53	42.833	0.00	0.03	0.004	O	|	|	|	|	0.04
37.750	0.00	0.31	0.053	O	|	|	|	|	0.51	42.917	0.00	0.02	0.004	O	|	|	|	|	0.04
37.833	0.00	0.31	0.051	O	|	|	|	|	0.49	43.000	0.00	0.02	0.004	O	|	|	|	|	0.04
37.917	0.00	0.29	0.049	O	|	|	|	|	0.47	43.083	0.00	0.02	0.004	O	|	|	|	|	0.04
38.000	0.00	0.28	0.047	O	|	|	|	|	0.45	43.167	0.00	0.02	0.004	O	|	|	|	|	0.04
38.083	0.00	0.27	0.045	O	|	|	|	|	0.44	43.250	0.00	0.02	0.004	O	|	|	|	|	0.03
38.167	0.00	0.26	0.044	O	|	|	|	|	0.42	43.333	0.00	0.02	0.003	O	|	|	|	|	0.03
38.250	0.00	0.25	0.042	O	|	|	|	|	0.40	43.417	0.00	0.02	0.003	O	|	|	|	|	0.03
38.333	0.00	0.24	0.040	O	|	|	|	|	0.39	43.500	0.00	0.02	0.003	O	|	|	|	|	0.03
38.417	0.00	0.23	0.039	O	|	|	|	|	0.37	43.583	0.00	0.02	0.003	O	|	|	|	|	0.03
38.500	0.00	0.22	0.037	O	|	|	|	|	0.36	43.667	0.00	0.02	0.003	O	|	|	|	|	0.03
38.583	0.00	0.21	0.035	O	|	|	|	|	0.34	43.750	0.00	0.02	0.003	O	|	|	|	|	0.03
38.667	0.00	0.20	0.034	O	|	|	|	|	0.33	43.833	0.00	0.02	0.003	O	|	|	|	|	0.03
38.750	0.00	0.19	0.033	O	|	|	|	|	0.31	43.917	0.00	0.02	0.003	O	|	|	|	|	0.02
38.833	0.00	0.19	0.031	O	|	|	|	|	0.30	44.000	0.00	0.01	0.002	O	|	|	|	|	0.02
38.917	0.00	0.18	0.030	O	|	|	|	|	0.29	44.083	0.00	0.01	0.002	O	|	|	|	|	0.02
39.000	0.00	0.17	0.029	O	|	|	|	|	0.28	44.167	0.00	0.01	0.002	O	|	|	|	|	0.02
39.083	0.00	0.17	0.028	O	|	|	|	|	0.27	44.250	0.00	0.01	0.002	O	|	|	|	|	0.02
39.167	0.00	0.16	0.027	O	|	|	|	|	0.26	44.333	0.00	0.01	0.002	O	|	|	|	|	0.02
39.250	0.00	0.15	0.026	O	|	|	|	|	0.25	44.417	0.00	0.01	0.002	O	|	|	|	|	0.02
39.333	0.00	0.15	0.025	O	|	|	|	|	0.24	44.500	0.00	0.01	0.002	O	|	|	|	|	0.02
39.417	0.00	0.14	0.024	O	|	|	|	|	0.23	44.583	0.00	0.01	0.002	O	|	|	|	|	0.02
39.500	0.00	0.13	0.023	O	|	|	|	|	0.22	44.667	0.00	0.01	0.002	O	|	|	|	|	0.02
39.583	0.00	0.13	0.022	O	|	|	|	|	0.21	44.750	0.00	0.01	0.002	O	|	|	|	|	0.02

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44.833    0.00    0.01      0.002  O       |       |       |       |     0.02
44.917    0.00    0.01      0.002  O       |       |       |       |     0.02
45.000    0.00    0.01      0.002  O       |       |       |       |     0.01
45.083    0.00    0.01      0.001  O       |       |       |       |     0.01
45.167    0.00    0.01      0.001  O       |       |       |       |     0.01
45.250    0.00    0.01      0.001  O       |       |       |       |     0.01
45.333    0.00    0.01      0.001  O       |       |       |       |     0.01
45.417    0.00    0.01      0.001  O       |       |       |       |     0.01
45.500    0.00    0.01      0.001  O       |       |       |       |     0.01
45.583    0.00    0.01      0.001  O       |       |       |       |     0.01
45.667    0.00    0.01      0.001  O       |       |       |       |     0.01
45.750    0.00    0.01      0.001  O       |       |       |       |     0.01
45.833    0.00    0.01      0.001  O       |       |       |       |     0.01
45.917    0.00    0.01      0.001  O       |       |       |       |     0.01
46.000    0.00    0.01      0.001  O       |       |       |       |     0.01
46.083    0.00    0.01      0.001  O       |       |       |       |     0.01
46.167    0.00    0.01      0.001  O       |       |       |       |     0.01
46.250    0.00    0.00      0.001  O       |       |       |       |     0.01
46.333    0.00    0.00      0.001  O       |       |       |       |     0.01
46.417    0.00    0.00      0.001  O       |       |       |       |     0.01
46.500    0.00    0.00      0.001  O       |       |       |       |     0.01
46.583    0.00    0.00      0.001  O       |       |       |       |     0.01
46.667    0.00    0.00      0.001  O       |       |       |       |     0.01
46.750    0.00    0.00      0.001  O       |       |       |       |     0.01
46.833    0.00    0.00      0.001  O       |       |       |       |     0.01
46.917    0.00    0.00      0.001  O       |       |       |       |     0.01
47.000    0.00    0.00      0.001  O       |       |       |       |     0.01
47.083    0.00    0.00      0.001  O       |       |       |       |     0.01
47.167    0.00    0.00      0.001  O       |       |       |       |     0.00
47.250    0.00    0.00      0.000  O       |       |       |       |     0.00
47.333    0.00    0.00      0.000  O       |       |       |       |     0.00
47.417    0.00    0.00      0.000  O       |       |       |       |     0.00
47.500    0.00    0.00      0.000  O       |       |       |       |     0.00
47.583    0.00    0.00      0.000  O       |       |       |       |     0.00
47.667    0.00    0.00      0.000  O       |       |       |       |     0.00
47.750    0.00    0.00      0.000  O       |       |       |       |     0.00
47.833    0.00    0.00      0.000  O       |       |       |       |     0.00
47.917    0.00    0.00      0.000  O       |       |       |       |     0.00
48.000    0.00    0.00      0.000  O       |       |       |       |     0.00
48.083    0.00    0.00      0.000  O       |       |       |       |     0.00
48.167    0.00    0.00      0.000  O       |       |       |       |     0.00
48.250    0.00    0.00      0.000  O       |       |       |       |     0.00
48.333    0.00    0.00      0.000  O       |       |       |       |     0.00
48.417    0.00    0.00      0.000  O       |       |       |       |     0.00
48.500    0.00    0.00      0.000  O       |       |       |       |     0.00
48.583    0.00    0.00      0.000  O       |       |       |       |     0.00
48.667    0.00    0.00      0.000  O       |       |       |       |     0.00
48.750    0.00    0.00      0.000  O       |       |       |       |     0.00
48.833    0.00    0.00      0.000  O       |       |       |       |     0.00
48.917    0.00    0.00      0.000  O       |       |       |       |     0.00
49.000    0.00    0.00      0.000  O       |       |       |       |     0.00
49.083    0.00    0.00      0.000  O       |       |       |       |     0.00
49.167    0.00    0.00      0.000  O       |       |       |       |     0.00
49.250    0.00    0.00      0.000  O       |       |       |       |     0.00
49.333    0.00    0.00      0.000  O       |       |       |       |     0.00
49.417    0.00    0.00      0.000  O       |       |       |       |     0.00
49.500    0.00    0.00      0.000  O       |       |       |       |     0.00

        ***************************HYDROGRAPH DATA****************************
                    Number of intervals =   594
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       25.267 (CFS)
                            Total volume =       4.383 (Ac.Ft)
                    Status of hydrographs being held in storage
                              Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                    Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                    Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
***************************************************************************

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Process from Point/Station        9.100 to Point/Station        9.200
**** STREAM ROUTING SCS CONVEX METHOD ****
_____________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    558.00 (Ft.)
Elevation difference =    5.60 (Ft.)
Slope of channel =  0.010036 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   558.00(Ft.)   Elevation difference =   5.60(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     3.070(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     3.070(CFS)
Normal flow depth in pipe =    8.58(In.)
Flow top width inside pipe =   10.84(In.)
Critical Depth =    0.75(Ft.)
Pipe flow velocity =      5.11(Ft/s)
Travel time through pipe =    1.82 min.


Pipe length  =   558.00(Ft.)   Elevation difference =   5.60(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =    25.267(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    25.267(CFS)
Normal flow depth in pipe =   18.52(In.)
Flow top width inside pipe =   25.07(In.)
Critical Depth =    1.76(Ft.)
Pipe flow velocity =      8.70(Ft/s)
Travel time through pipe =    1.07 min.


********************** SCS CONVEX CHANNEL ROUTING ********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8365   Travel time =   1.07 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   4.0600
        dt(routing time-step) =   0.89 (min.),   c* =   0.9994

Output hydrograph delayed by 0  unit time increments


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
             R u n o f f     H y d r o g r a p h
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Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	6.3	12.6	18.9	25.3
0+ 5	0.0118	0.01	O				
0+10	0.0649	0.08	O				
0+15	0.1642	0.18	O				
0+20	0.2835	0.31	O				
0+25	0.3466	0.36	O				
0+30	0.3954	0.40	O				
0+35	0.4454	0.45	O				
0+40	0.4851	0.49	O				
0+45	0.5228	0.53	O				
0+50	0.5586	0.56	O				
0+55	0.5865	0.59	O				
1+ 0	0.6133	0.62	O				
1+ 5	0.6417	0.65	IO				
1+10	0.6667	0.67	IO				
1+15	0.6906	0.69	IO				
1+20	0.7143	0.72	IO				
1+25	0.7367	0.74	IO				
1+30	0.7578	0.76	IO				
1+35	0.7785	0.78	IO				
1+40	0.7991	0.80	IO				
1+45	0.8159	0.82	IO				
1+50	0.8299	0.83	IO				
1+55	0.8434	0.85	IO				
2+ 0	0.8571	0.86	IO				
2+ 5	0.8710	0.87	IO				
2+10	0.8841	0.89	IO				
2+15	0.8972	0.90	IO				
2+20	0.9108	0.91	IO				
2+25	0.9245	0.93	IO				
2+30	0.9370	0.94	IO				
2+35	0.9487	0.95	IO				
2+40	0.9603	0.96	IO				
2+45	0.9720	0.97	IO				
2+50	0.9844	0.99	IO				
2+55	0.9966	1.00	IO				
3+ 0	1.0085	1.01	IO				
3+ 5	1.0204	1.02	IO				
3+10	1.0324	1.03	IO				
3+15	1.0450	1.05	IO				
3+20	1.0563	1.06	IO				
3+25	1.0671	1.07	IO				
3+30	1.0783	1.08	IO				
3+35	1.0906	1.09	IO				
3+40	1.1035	1.11	IO				
3+45	1.1164	1.12	IO				
3+50	1.1297	1.13	IO				
3+55	1.1436	1.15	IO				
4+ 0	1.1557	1.16	IO				
4+ 5	1.1667	1.17	IO				
4+10	1.1781	1.18	IO				
4+15	1.1904	1.19	IO				
4+20	1.2048	1.21	IO				
4+25	1.2203	1.22	IO				
4+30	1.2366	1.24	IO				
4+35	1.2498	1.25	IO				
4+40	1.2624	1.26	OI				
4+45	1.2757	1.28	O				
4+50	1.2908	1.29	O				
4+55	1.3070	1.31	O				
5+ 0	1.3237	1.33	O				
5+ 5	3.6292	4.13	OI				
5+10	6.8459	7.44	OI				
5+15	10.0912	10.67	OI				
5+20	13.3805	13.97	OI				
5+25	17.5746	18.36	O I				
5+30	21.6546	22.38	OI				
5+35	24.7474	25.27	OI				
5+40	24.4796	24.31	O				
5+45	20.7539	19.98	IO				
5+50	16.1593	15.32	IO				
5+55	12.6868	12.11	IO				
6+ 0	10.3620	9.98	IO				
6+ 5	8.4466	8.11	IO				
6+10	6.7777	6.49	O				
6+15	5.3628	5.12	O				
6+20	4.2174	4.02	O				
6+25	3.3101	3.15	IO				
6+30	2.5963	2.47	IO				
6+35	2.0360	1.94	O				
6+40	1.5965	1.52	O				
6+45	1.3638	1.33	O				
6+50	1.3281	1.33	O				
6+55	1.3266	1.33	O				
7+ 0	1.3251	1.32	O				
7+ 5	1.3236	1.32	O				
7+10	1.3221	1.32	O				
7+15	1.3206	1.32	O				
7+20	1.3192	1.32	O				
7+25	1.3177	1.32	O				
7+30	1.3162	1.32	O				
7+35	1.3147	1.31	O				
7+40	1.3133	1.31	O				
7+45	1.3118	1.31	O				
7+50	1.3103	1.31	O				
7+55	1.3088	1.31	O				
8+ 0	1.3074	1.31	O				
8+ 5	1.3059	1.31	O				
8+10	1.3044	1.30	O				
8+15	1.3030	1.30	O				
8+20	1.3015	1.30	O				
8+25	1.3001	1.30	O				
8+30	1.2986	1.30	O				
8+35	1.2971	1.30	O				
8+40	1.2957	1.30	O				
8+45	1.2942	1.29	O				
8+50	1.2928	1.29	O				
8+55	1.2913	1.29	O				
9+ 0	1.2899	1.29	O				
9+ 5	1.2884	1.29	O				
9+10	1.2870	1.29	O				
9+15	1.2856	1.29	O				
9+20	1.2841	1.28	O				
9+25	1.2827	1.28	O				
9+30	1.2812	1.28	O				
9+35	1.2799	1.28	O				
9+40	1.2786	1.28	O				
9+45	1.2773	1.28	O				
9+50	1.2761	1.28	O				

9+55	1.2748	1.27	O					15+ 5	1.1848	1.18	O				
10+ 0	1.2735	1.27	O					15+10	1.1834	1.18	O				
10+ 5	1.2723	1.27	O					15+15	1.1820	1.18	O				
10+10	1.2710	1.27	O					15+20	1.1806	1.18	O				
10+15	1.2698	1.27	O					15+25	1.1792	1.18	O				
10+20	1.2685	1.27	O					15+30	1.1778	1.18	O				
10+25	1.2673	1.27	O					15+35	1.1764	1.18	O				
10+30	1.2661	1.27	O					15+40	1.1749	1.17	O				
10+35	1.2648	1.26	O					15+45	1.1735	1.17	O				
10+40	1.2636	1.26	O					15+50	1.1721	1.17	O				
10+45	1.2623	1.26	O					15+55	1.1707	1.17	O				
10+50	1.2611	1.26	O					16+ 0	1.1693	1.17	O				
10+55	1.2598	1.26	O					16+ 5	1.1679	1.17	O				
11+ 0	1.2586	1.26	O					16+10	1.1665	1.17	O				
11+ 5	1.2574	1.26	O					16+15	1.1651	1.16	O				
11+10	1.2561	1.26	O					16+20	1.1637	1.16	O				
11+15	1.2549	1.25	O					16+25	1.1624	1.16	O				
11+20	1.2537	1.25	O					16+30	1.1610	1.16	O				
11+25	1.2524	1.25	O					16+35	1.1596	1.16	O				
11+30	1.2512	1.25	O					16+40	1.1582	1.16	O				
11+35	1.2500	1.25	O					16+45	1.1568	1.16	O				
11+40	1.2487	1.25	O					16+50	1.1554	1.16	O				
11+45	1.2475	1.25	O					16+55	1.1540	1.15	O				
11+50	1.2463	1.25	O					17+ 0	1.1526	1.15	O				
11+55	1.2451	1.24	O					17+ 5	1.1513	1.15	O				
12+ 0	1.2438	1.24	O					17+10	1.1498	1.15	O				
12+ 5	1.2426	1.24	O					17+15	1.1479	1.15	O				
12+10	1.2414	1.24	O					17+20	1.1460	1.15	O				
12+15	1.2401	1.24	O					17+25	1.1442	1.14	O				
12+20	1.2385	1.24	O					17+30	1.1423	1.14	O				
12+25	1.2369	1.24	O					17+35	1.1404	1.14	O				
12+30	1.2352	1.23	O					17+40	1.1385	1.14	O				
12+35	1.2335	1.23	O					17+45	1.1366	1.14	O				
12+40	1.2318	1.23	O					17+50	1.1347	1.13	O				
12+45	1.2301	1.23	O					17+55	1.1328	1.13	O				
12+50	1.2285	1.23	O					18+ 0	1.1310	1.13	O				
12+55	1.2268	1.23	O					18+ 5	1.1291	1.13	O				
13+ 0	1.2251	1.22	O					18+10	1.1272	1.13	O				
13+ 5	1.2235	1.22	O					18+15	1.1254	1.13	O				
13+10	1.2218	1.22	O					18+20	1.1235	1.12	O				
13+15	1.2201	1.22	O					18+25	1.1216	1.12	O				
13+20	1.2185	1.22	O					18+30	1.1198	1.12	O				
13+25	1.2168	1.22	O					18+35	1.1179	1.12	O				
13+30	1.2152	1.21	O					18+40	1.1161	1.12	O				
13+35	1.2135	1.21	O					18+45	1.1142	1.11	O				
13+40	1.2119	1.21	O					18+50	1.1124	1.11	O				
13+45	1.2102	1.21	O					18+55	1.1106	1.11	O				
13+50	1.2086	1.21	O					19+ 0	1.1087	1.11	O				
13+55	1.2069	1.21	O					19+ 5	1.1069	1.11	O				
14+ 0	1.2053	1.20	O					19+10	1.1051	1.10	O				
14+ 5	1.2036	1.20	O					19+15	1.1032	1.10	O				
14+10	1.2020	1.20	O					19+20	1.1014	1.10	O				
14+15	1.2004	1.20	O					19+25	1.0995	1.10	O				
14+20	1.1987	1.20	O					19+30	1.0975	1.10	O				
14+25	1.1971	1.20	O					19+35	1.0955	1.10	O				
14+30	1.1955	1.20	O					19+40	1.0935	1.09	O				
14+35	1.1939	1.19	O					19+45	1.0915	1.09	O				
14+40	1.1922	1.19	O					19+50	1.0895	1.09	O				
14+45	1.1906	1.19	O					19+55	1.0875	1.09	O				
14+50	1.1891	1.19	O					20+ 0	1.0855	1.09	O				
14+55	1.1877	1.19	O					20+ 5	1.0835	1.08	O				
15+ 0	1.1863	1.19	O					20+10	1.0816	1.08	O				

20+15	1.0796	1.08	O					25+25	0.9366	0.94	O				
20+20	1.0776	1.08	O					25+30	0.9341	0.93	O				
20+25	1.0756	1.08	O					25+35	0.9317	0.93	O				
20+30	1.0737	1.07	O					25+40	0.9292	0.93	O				
20+35	1.0717	1.07	O					25+45	0.9264	0.93	O				
20+40	1.0697	1.07	O					25+50	0.9235	0.92	O				
20+45	1.0678	1.07	O					25+55	0.9207	0.92	O				
20+50	1.0658	1.07	O					26+ 0	0.9179	0.92	O				
20+55	1.0639	1.06	O					26+ 5	0.9151	0.91	O				
21+ 0	1.0619	1.06	O					26+10	0.9123	0.91	O				
21+ 5	1.0600	1.06	O					26+15	0.9095	0.91	O				
21+10	1.0580	1.06	O					26+20	0.9067	0.91	O				
21+15	1.0561	1.06	O					26+25	0.9040	0.90	O				
21+20	1.0542	1.05	O					26+30	0.9012	0.90	O				
21+25	1.0522	1.05	O					26+35	0.8984	0.90	O				
21+30	1.0503	1.05	O					26+40	0.8957	0.90	O				
21+35	1.0480	1.05	O					26+45	0.8930	0.89	O				
21+40	1.0455	1.05	O					26+50	0.8902	0.89	O				
21+45	1.0431	1.04	O					26+55	0.8875	0.89	O				
21+50	1.0407	1.04	O					27+ 0	0.8848	0.88	O				
21+55	1.0383	1.04	O					27+ 5	0.8821	0.88	O				
22+ 0	1.0359	1.04	O					27+10	0.8794	0.88	O				
22+ 5	1.0335	1.03	O					27+15	0.8767	0.88	O				
22+10	1.0311	1.03	O					27+20	0.8740	0.87	O				
22+15	1.0287	1.03	O					27+25	0.8714	0.87	O				
22+20	1.0263	1.03	O					27+30	0.8685	0.87	O				
22+25	1.0239	1.02	O					27+35	0.8655	0.87	O				
22+30	1.0216	1.02	O					27+40	0.8626	0.86	O				
22+35	1.0192	1.02	O					27+45	0.8596	0.86	O				
22+40	1.0168	1.02	O					27+50	0.8567	0.86	O				
22+45	1.0145	1.01	O					27+55	0.8537	0.85	O				
22+50	1.0121	1.01	O					28+ 0	0.8508	0.85	O				
22+55	1.0098	1.01	O					28+ 5	0.8478	0.85	O				
23+ 0	1.0074	1.01	O					28+10	0.8449	0.84	O				
23+ 5	1.0051	1.00	O					28+15	0.8420	0.84	O				
23+10	1.0028	1.00	O					28+20	0.8391	0.84	O				
23+15	1.0004	1.00	O					28+25	0.8363	0.84	O				
23+20	0.9981	1.00	O					28+30	0.8334	0.83	O				
23+25	0.9958	1.00	O					28+35	0.8305	0.83	O				
23+30	0.9935	0.99	O					28+40	0.8277	0.83	O				
23+35	0.9912	0.99	O					28+45	0.8248	0.82	O				
23+40	0.9887	0.99	O					28+50	0.8220	0.82	O				
23+45	0.9862	0.99	O					28+55	0.8191	0.82	O				
23+50	0.9837	0.98	O					29+ 0	0.8163	0.82	O				
23+55	0.9811	0.98	O					29+ 5	0.8135	0.81	O				
24+ 0	0.9786	0.98	O					29+10	0.8107	0.81	O				
24+ 5	0.9761	0.98	O					29+15	0.8069	0.81	O				
24+10	0.9736	0.97	O					29+20	0.8027	0.80	O				
24+15	0.9710	0.97	O					29+25	0.7986	0.80	O				
24+20	0.9685	0.97	O					29+30	0.7944	0.79	O				
24+25	0.9660	0.97	O					29+35	0.7903	0.79	O				
24+30	0.9635	0.96	O					29+40	0.7862	0.79	O				
24+35	0.9611	0.96	O					29+45	0.7821	0.78	O				
24+40	0.9586	0.96	O					29+50	0.7781	0.78	O				
24+45	0.9561	0.96	O					29+55	0.7740	0.77	O				
24+50	0.9536	0.95	O					30+ 0	0.7700	0.77	O				
24+55	0.9512	0.95	O					30+ 5	0.7660	0.77	O				
25+ 0	0.9487	0.95	O					30+10	0.7621	0.76	O				
25+ 5	0.9463	0.95	O					30+15	0.7581	0.76	O				
25+10	0.9438	0.94	O					30+20	0.7542	0.75	O				
25+15	0.9414	0.94	O					30+25	0.7503	0.75	O				
25+20	0.9390	0.94	O					30+30	0.7464	0.75	O				

30+35	0.7425	0.74	|O	|	|	|	|	35+45	0.4562	0.46	O	|	|	|	|
30+40	0.7387	0.74	|O	|	|	|	|	35+50	0.4514	0.45	O	|	|	|	|
30+45	0.7348	0.73	|O	|	|	|	|	35+55	0.4449	0.44	O	|	|	|	|
30+50	0.7310	0.73	|O	|	|	|	|	36+ 0	0.4380	0.44	O	|	|	|	|
30+55	0.7269	0.73	|O	|	|	|	|	36+ 5	0.4311	0.43	O	|	|	|	|
31+ 0	0.7226	0.72	|O	|	|	|	|	36+10	0.4243	0.42	O	|	|	|	|
31+ 5	0.7184	0.72	|O	|	|	|	|	36+15	0.4177	0.42	O	|	|	|	|
31+10	0.7142	0.71	|O	|	|	|	|	36+20	0.4111	0.41	O	|	|	|	|
31+15	0.7100	0.71	|O	|	|	|	|	36+25	0.4047	0.40	O	|	|	|	|
31+20	0.7059	0.71	|O	|	|	|	|	36+30	0.3983	0.40	O	|	|	|	|
31+25	0.7018	0.70	|O	|	|	|	|	36+35	0.3921	0.39	O	|	|	|	|
31+30	0.6977	0.70	|O	|	|	|	|	36+40	0.3859	0.38	O	|	|	|	|
31+35	0.6936	0.69	|O	|	|	|	|	36+45	0.3799	0.38	O	|	|	|	|
31+40	0.6895	0.69	|O	|	|	|	|	36+50	0.3739	0.37	O	|	|	|	|
31+45	0.6855	0.68	|O	|	|	|	|	36+55	0.3681	0.37	O	|	|	|	|
31+50	0.6815	0.68	|O	|	|	|	|	37+ 0	0.3623	0.36	O	|	|	|	|
31+55	0.6775	0.68	|O	|	|	|	|	37+ 5	0.3566	0.36	O	|	|	|	|
32+ 0	0.6735	0.67	|O	|	|	|	|	37+10	0.3510	0.35	O	|	|	|	|
32+ 5	0.6696	0.67	|O	|	|	|	|	37+15	0.3455	0.34	O	|	|	|	|
32+10	0.6657	0.66	|O	|	|	|	|	37+20	0.3401	0.34	O	|	|	|	|
32+15	0.6618	0.66	|O	|	|	|	|	37+25	0.3348	0.33	O	|	|	|	|
32+20	0.6579	0.66	|O	|	|	|	|	37+30	0.3295	0.33	O	|	|	|	|
32+25	0.6541	0.65	|O	|	|	|	|	37+35	0.3243	0.32	O	|	|	|	|
32+30	0.6502	0.65	|O	|	|	|	|	37+40	0.3193	0.32	O	|	|	|	|
32+35	0.6455	0.64	|O	|	|	|	|	37+45	0.3143	0.31	O	|	|	|	|
32+40	0.6406	0.64	|O	|	|	|	|	37+50	0.3073	0.31	O	|	|	|	|
32+45	0.6358	0.63	|O	|	|	|	|	37+55	0.2959	0.29	O	|	|	|	|
32+50	0.6310	0.63	O	|	|	|	|	38+ 0	0.2840	0.28	O	|	|	|	|
32+55	0.6262	0.63	O	|	|	|	|	38+ 5	0.2726	0.27	O	|	|	|	|
33+ 0	0.6215	0.62	O	|	|	|	|	38+10	0.2616	0.26	O	|	|	|	|
33+ 5	0.6168	0.62	O	|	|	|	|	38+15	0.2511	0.25	O	|	|	|	|
33+10	0.6122	0.61	O	|	|	|	|	38+20	0.2410	0.24	O	|	|	|	|
33+15	0.6076	0.61	O	|	|	|	|	38+25	0.2313	0.23	O	|	|	|	|
33+20	0.6030	0.60	O	|	|	|	|	38+30	0.2220	0.22	O	|	|	|	|
33+25	0.5985	0.60	O	|	|	|	|	38+35	0.2130	0.21	O	|	|	|	|
33+30	0.5940	0.59	O	|	|	|	|	38+40	0.2045	0.20	O	|	|	|	|
33+35	0.5895	0.59	O	|	|	|	|	38+45	0.1963	0.19	O	|	|	|	|
33+40	0.5850	0.58	O	|	|	|	|	38+50	0.1884	0.19	O	|	|	|	|
33+45	0.5806	0.58	O	|	|	|	|	38+55	0.1808	0.18	O	|	|	|	|
33+50	0.5763	0.58	O	|	|	|	|	39+ 0	0.1735	0.17	O	|	|	|	|
33+55	0.5719	0.57	O	|	|	|	|	39+ 5	0.1665	0.17	O	|	|	|	|
34+ 0	0.5676	0.57	O	|	|	|	|	39+10	0.1598	0.16	O	|	|	|	|
34+ 5	0.5633	0.56	O	|	|	|	|	39+15	0.1534	0.15	O	|	|	|	|
34+10	0.5585	0.56	O	|	|	|	|	39+20	0.1472	0.15	O	|	|	|	|
34+15	0.5528	0.55	O	|	|	|	|	39+25	0.1413	0.14	O	|	|	|	|
34+20	0.5469	0.55	O	|	|	|	|	39+30	0.1356	0.13	O	|	|	|	|
34+25	0.5411	0.54	O	|	|	|	|	39+35	0.1302	0.13	O	|	|	|	|
34+30	0.5354	0.53	O	|	|	|	|	39+40	0.1249	0.12	O	|	|	|	|
34+35	0.5297	0.53	O	|	|	|	|	39+45	0.1199	0.12	O	|	|	|	|
34+40	0.5241	0.52	O	|	|	|	|	39+50	0.1151	0.11	O	|	|	|	|
34+45	0.5185	0.52	O	|	|	|	|	39+55	0.1104	0.11	O	|	|	|	|
34+50	0.5130	0.51	O	|	|	|	|	40+ 0	0.1060	0.11	O	|	|	|	|
34+55	0.5076	0.51	O	|	|	|	|	40+ 5	0.1017	0.10	O	|	|	|	|
35+ 0	0.5022	0.50	O	|	|	|	|	40+10	0.0976	0.10	O	|	|	|	|
35+ 5	0.4969	0.50	O	|	|	|	|	40+15	0.0937	0.09	O	|	|	|	|
35+10	0.4916	0.49	O	|	|	|	|	40+20	0.0899	0.09	O	|	|	|	|
35+15	0.4864	0.49	O	|	|	|	|	40+25	0.0863	0.09	O	|	|	|	|
35+20	0.4812	0.48	O	|	|	|	|	40+30	0.0829	0.08	O	|	|	|	|
35+25	0.4761	0.48	O	|	|	|	|	40+35	0.0795	0.08	O	|	|	|	|
35+30	0.4710	0.47	O	|	|	|	|	40+40	0.0763	0.08	O	|	|	|	|
35+35	0.4660	0.47	O	|	|	|	|	40+45	0.0732	0.07	O	|	|	|	|
35+40	0.4611	0.46	O	|	|	|	|	40+50	0.0703	0.07	O	|	|	|	|

40+55	0.0675	0.07	O	|	|	|	|
41+ 0	0.0648	0.06	O	|	|	|	|
41+ 5	0.0622	0.06	O	|	|	|	|
41+10	0.0597	0.06	O	|	|	|	|
41+15	0.0573	0.06	O	|	|	|	|
41+20	0.0550	0.05	O	|	|	|	|
41+25	0.0527	0.05	O	|	|	|	|
41+30	0.0506	0.05	O	|	|	|	|
41+35	0.0486	0.05	O	|	|	|	|
41+40	0.0466	0.05	O	|	|	|	|
41+45	0.0448	0.04	O	|	|	|	|
41+50	0.0430	0.04	O	|	|	|	|
41+55	0.0412	0.04	O	|	|	|	|
42+ 0	0.0396	0.04	O	|	|	|	|
42+ 5	0.0380	0.04	O	|	|	|	|
42+10	0.0364	0.04	O	|	|	|	|
42+15	0.0350	0.03	O	|	|	|	|
42+20	0.0336	0.03	O	|	|	|	|
42+25	0.0322	0.03	O	|	|	|	|
42+30	0.0309	0.03	O	|	|	|	|
42+35	0.0297	0.03	O	|	|	|	|
42+40	0.0285	0.03	O	|	|	|	|
42+45	0.0273	0.03	O	|	|	|	|
42+50	0.0262	0.03	O	|	|	|	|
42+55	0.0252	0.02	O	|	|	|	|
43+ 0	0.0242	0.02	O	|	|	|	|
43+ 5	0.0232	0.02	O	|	|	|	|
43+10	0.0223	0.02	O	|	|	|	|
43+15	0.0214	0.02	O	|	|	|	|
43+20	0.0205	0.02	O	|	|	|	|
43+25	0.0197	0.02	O	|	|	|	|
43+30	0.0189	0.02	O	|	|	|	|
43+35	0.0181	0.02	O	|	|	|	|
43+40	0.0174	0.02	O	|	|	|	|
43+45	0.0167	0.02	O	|	|	|	|
43+50	0.0160	0.02	O	|	|	|	|
43+55	0.0154	0.02	O	|	|	|	|
44+ 0	0.0148	0.01	O	|	|	|	|
44+ 5	0.0142	0.01	O	|	|	|	|
44+10	0.0136	0.01	O	|	|	|	|
44+15	0.0131	0.01	O	|	|	|	|
44+20	0.0125	0.01	O	|	|	|	|
44+25	0.0120	0.01	O	|	|	|	|
44+30	0.0115	0.01	O	|	|	|	|
44+35	0.0111	0.01	O	|	|	|	|
44+40	0.0106	0.01	O	|	|	|	|
44+45	0.0102	0.01	O	|	|	|	|
44+50	0.0098	0.01	O	|	|	|	|
44+55	0.0094	0.01	O	|	|	|	|
45+ 0	0.0090	0.01	O	|	|	|	|
45+ 5	0.0087	0.01	O	|	|	|	|
45+10	0.0083	0.01	O	|	|	|	|
45+15	0.0080	0.01	O	|	|	|	|
45+20	0.0077	0.01	O	|	|	|	|
45+25	0.0073	0.01	O	|	|	|	|
45+30	0.0071	0.01	O	|	|	|	|
45+35	0.0068	0.01	O	|	|	|	|
45+40	0.0065	0.01	O	|	|	|	|
45+45	0.0062	0.01	O	|	|	|	|
45+50	0.0060	0.01	O	|	|	|	|
45+55	0.0057	0.01	O	|	|	|	|
46+ 0	0.0055	0.01	O	|	|	|	|
46+ 5	0.0053	0.01	O	|	|	|	|
46+10	0.0051	0.01	O	|	|	|	|
46+15	0.0049	0.00	O	|	|	|	|
46+20	0.0047	0.00	O	|	|	|	|
46+25	0.0045	0.00	O	|	|	|	|
46+30	0.0043	0.00	O	|	|	|	|
46+35	0.0041	0.00	O	|	|	|	|
46+40	0.0040	0.00	O	|	|	|	|
46+45	0.0038	0.00	O	|	|	|	|
46+50	0.0037	0.00	O	|	|	|	|
46+55	0.0035	0.00	O	|	|	|	|
47+ 0	0.0034	0.00	O	|	|	|	|
47+ 5	0.0032	0.00	O	|	|	|	|
47+10	0.0031	0.00	O	|	|	|	|
47+15	0.0030	0.00	O	|	|	|	|
47+20	0.0029	0.00	O	|	|	|	|
47+25	0.0027	0.00	O	|	|	|	|
47+30	0.0026	0.00	O	|	|	|	|
47+35	0.0025	0.00	O	|	|	|	|
47+40	0.0024	0.00	O	|	|	|	|
47+45	0.0023	0.00	O	|	|	|	|
47+50	0.0022	0.00	O	|	|	|	|
47+55	0.0021	0.00	O	|	|	|	|
48+ 0	0.0021	0.00	O	|	|	|	|
48+ 5	0.0020	0.00	O	|	|	|	|
48+10	0.0019	0.00	O	|	|	|	|
48+15	0.0018	0.00	O	|	|	|	|
48+20	0.0017	0.00	O	|	|	|	|
48+25	0.0017	0.00	O	|	|	|	|
48+30	0.0016	0.00	O	|	|	|	|
48+35	0.0015	0.00	O	|	|	|	|
48+40	0.0015	0.00	O	|	|	|	|
48+45	0.0014	0.00	O	|	|	|	|
48+50	0.0014	0.00	O	|	|	|	|
48+55	0.0013	0.00	O	|	|	|	|
49+ 0	0.0013	0.00	O	|	|	|	|
49+ 5	0.0012	0.00	O	|	|	|	|
49+10	0.0012	0.00	O	|	|	|	|
49+15	0.0011	0.00	O	|	|	|	|
49+20	0.0011	0.00	O	|	|	|	|
49+25	0.0010	0.00	O	|	|	|	|
49+30	0.0010	0.00	O	|	|	|	|
49+35	0.0000	0.00	O	|	|	|	|

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----------------------------------------------------------------------
        ***************************HYDROGRAPH DATA**************************
                    Number of intervals =   595
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       24.747 (CFS)
                    Total volume =       4.383 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ********************************************************************

        --------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        9.100 to Point/Station        9.200
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ____________________________________________________________________
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Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 1 with
a starting time of   0.00 hours and ending time of  25.00 hours
With a total volume of       3.62(Ac.Ft)
**************************HYDROGRAPH DATA*****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                 Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)     24.747     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      3.616     0.000     0.000     0.000     0.000
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+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.300 to Point/Station        9.400
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
_____________________________________________________________________
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP9B1006100.rte
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                 P R I N T  O F  S T O R M
              R u n o f f     H y d r o g r a p h
---------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       23.1      46.2      69.3      92.5
---------------------------------------------------------------------
  0+ 5       1.4982      1.50  Q        |         |         |         |
  0+10       6.0577      6.06  | Q      |         |         |         |
  0+15       8.2955      8.30  |  Q     |         |         |         |
  0+20       9.0022      9.00  |  Q     |         |         |         |
  0+25       9.2060      9.21  |  Q     |         |         |         |
  0+30       9.6891      9.69  |   Q    |         |         |         |
  0+35      10.8463     10.85  |   Q    |         |         |         |
  0+40      11.1722     11.17  |   Q    |         |         |         |
  0+45      11.2828     11.28  |   Q    |         |         |         |
  0+50      11.3103     11.31  |   Q    |         |         |         |
  0+55      11.3246     11.32  |   Q    |         |         |         |
  1+ 0      11.7329     11.73  |    Q   |         |         |         |
  1+ 5      12.8643     12.86  |    Q   |         |         |         |
  1+10      13.1871     13.19  |    Q   |         |         |         |
  1+15      13.2976     13.30  |    Q   |         |         |         |
  1+20      13.3252     13.33  |    Q   |         |         |         |
  1+25      13.3394     13.34  |    Q   |         |         |         |
  1+30      13.3428     13.34  |    Q   |         |         |         |
  1+35      13.3428     13.34  |    Q   |         |         |         |
  1+40      13.3428     13.34  |    Q   |         |         |         |
  1+45      13.3428     13.34  |    Q   |         |         |         |
  1+50      13.3428     13.34  |    Q   |         |         |         |
  1+55      13.3428     13.34  |    Q   |         |         |         |
  2+ 0      13.7478     13.75  |    Q   |         |         |         |
  2+ 5      14.4742     14.47  |     Q  |         |         |         |
  2+10      14.0706     14.07  |     Q  |         |         |         |
  2+15      14.9897     14.99  |     Q  |         |         |         |
  2+20      15.2295     15.23  |     Q  |         |         |         |
  2+25      15.3267     15.33  |     Q  |         |         |         |
  2+30      15.3434     15.34  |     Q  |         |         |         |
  2+35      15.3542     15.35  |     Q  |         |         |         |
  2+40      15.3577     15.36  |     Q  |         |         |         |
  2+45      15.7626     15.76  |     Q  |         |         |         |
  2+50      16.8940     16.89  |      Q |         |         |         |
  2+55      17.2168     17.22  |      Q |         |         |         |
  3+ 0      17.3273     17.33  |      Q |         |         |         |
  3+ 5      17.3548     17.35  |      Q |         |         |         |
  3+10      17.7740     17.77  |      Q |         |         |         |
  3+15      18.9088     18.91  |       Q|         |         |         |
  3+20      19.2316     19.23  |       Q|         |         |         |
  3+25      19.7471     19.75  |       Q|         |         |         |
  3+30      21.3109     21.31  |        Q|        |         |         |
  3+35      23.1842     23.18  |         Q        |         |         |
  3+40      24.7523     24.75  |         Q        |         |         |
  3+45      25.6181     25.62  |         |Q       |         |         |
  3+50      26.9018     26.90  |         |Q       |         |         |
  3+55      27.6748     27.67  |         |Q       |         |         |
  4+ 0      28.9343     28.93  |         | Q      |         |         |
  4+ 5      29.6930     29.69  |         | Q      |         |         |
  4+10      31.3541     31.35  |         |  Q     |         |         |
  4+15      33.2442     33.24  |         |   Q    |         |         |
  4+20      35.2280     35.23  |         |    Q   |         |         |
  4+25      37.2286     37.23  |         |     Q  |         |         |
  4+30      38.8351     38.84  |         |     Q  |         |         |
  4+35      39.7186     39.72  |         |      Q |         |         |
  4+40      41.4106     41.41  |         |      Q |         |         |
  4+45      43.3149     43.31  |         |       Q|         |         |
  4+50      44.8973     44.90  |         |        Q|        |         |
  4+55      45.7665     45.77  |         |        Q|        |         |
  5+ 0      47.4551     47.46  |         |         Q        |         |
  5+ 5      50.9791     50.98  |         |         | Q      |         |
  5+10      59.1116     59.11  |         |         |   Q    |         |
  5+15      67.7387     67.74  |         |         |      Q|         |
  5+20      74.5560     74.56  |         |         |       | Q       |
  5+25      81.6511     81.65  |         |         |       |   Q     |
  5+30      92.4646     92.46  |         |         |       |      Q  |
  5+35      89.7812     89.78  |         |         |       |     Q   |
  5+40      47.4718     47.47  |         |        Q|       |         |
  5+45      24.1856     24.19  |         |       Q |       |         |
  5+50      13.4295     13.43  |    Q    |         |       |         |
  5+55       8.8400      8.84  |  Q      |         |       |         |
  6+ 0       5.4647      5.46  | Q       |         |       |         |
  6+ 5       3.0964      3.10  |Q        |         |       |         |
  6+10       0.9170      0.92  Q         |         |       |         |
  6+15       0.2933      0.29  Q         |         |       |         |
  6+20       0.0851      0.09  Q         |         |       |         |
  6+25       0.0287      0.03  Q         |         |       |         |
  6+30       0.0051      0.01  Q         |         |       |         |
---------------------------------------------------------------------
**************************HYDROGRAPH DATA*****************************
                Number of intervals =    78
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       92.465 (CFS)
                Total volume =      12.522 (Ac.Ft)
        Status of hydrographs being held in storage
                 Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)     24.747     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      3.616     0.000     0.000     0.000     0.000
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Process from Point/Station 9.300 to Point/Station 9.400

**** RETARDING BASIN ROUTING ****

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User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 78

Hydrograph time unit = 5.000 (Min.)

Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)

Initial basin storage = 0.00 (Ac.Ft)

Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.397	0.260	0.396	0.398
2.000	0.868	0.370	0.867	0.869
4.000	2.045	0.530	2.043	2.047
5.000	2.757	0.600	2.755	2.759
6.000	3.557	0.660	3.555	3.559
7.000	4.453	0.710	4.451	4.455
8.000	5.448	0.760	5.445	5.451
9.000	6.547	0.800	6.544	6.550
10.000	7.753	0.850	7.750	7.756
11.000	9.071	0.890	9.068	9.074
12.000	10.507	6.420	10.485	10.529
13.000	12.066	9.650	12.033	12.099
14.000	13.753	11.980	13.712	13.794
15.000	15.571	18.830	15.506	15.636
16.000	17.528	23.100	17.448	17.608
17.000	19.626	26.520	19.535	19.717
18.000	21.873	53.750	21.688	22.058
19.000	24.271	100.790	23.924	24.618
20.000	26.831	160.700	26.278	27.384

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 23.1 46.23 69.35 92.46	Depth (Ft.)
0.083	1.50	0.00	0.005	O | | | |	0.01
0.167	6.06	0.02	0.031	O I | | | |	0.08
0.250	8.30	0.05	0.080	O I | | | |	0.20
0.333	9.00	0.09	0.139	O I | | | |	0.35
0.417	9.21	0.13	0.201	O I | | | |	0.51
0.500	9.69	0.17	0.265	O I | | | |	0.67
0.583	10.85	0.22	0.335	O I | | | |	0.84
0.667	11.17	0.26	0.409	O I | | | |	1.03
0.750	11.28	0.28	0.484	O I | | | |	1.19
0.833	11.31	0.30	0.560	O I | | | |	1.35
0.917	11.32	0.32	0.636	O I | | | |	1.51
1.000	11.73	0.33	0.713	O I | | | |	1.67
1.083	12.86	0.35	0.795	O I | | | |	1.85
1.167	13.19	0.37	0.883	O I | | | |	2.02
1.250	13.30	0.38	0.971	O I | | | |	2.18
1.333	13.33	0.40	1.060	O I | | | |	2.33
1.417	13.34	0.41	1.149	O I | | | |	2.48
1.500	13.34	0.42	1.238	O I | | | |	2.63
1.583	13.34	0.43	1.327	O I | | | |	2.78
1.667	13.34	0.44	1.416	O I | | | |	2.93
1.750	13.34	0.46	1.505	O I | | | |	3.08
1.833	13.34	0.47	1.594	O I | | | |	3.23
1.917	13.34	0.48	1.682	O I | | | |	3.38
2.000	13.75	0.49	1.772	O I | | | |	3.54
2.083	14.47	0.51	1.866	O I | | | |	3.70
2.167	14.07	0.52	1.961	O I | | | |	3.86
2.250	14.99	0.53	2.057	O I | | | |	4.02
2.333	15.23	0.54	2.157	O I | | | |	4.16
2.417	15.33	0.55	2.259	O I | | | |	4.30
2.500	15.34	0.56	2.361	O I | | | |	4.44
2.583	15.35	0.57	2.463	O I | | | |	4.59
2.667	15.36	0.58	2.564	O I | | | |	4.73
2.750	15.76	0.59	2.667	O I | | | |	4.87
2.833	16.89	0.60	2.776	O I | | | |	5.02
2.917	17.22	0.61	2.889	O I | | | |	5.17
3.000	17.33	0.62	3.004	O I | | | |	5.31
3.083	17.35	0.63	3.119	O I | | | |	5.45
3.167	17.77	0.64	3.236	O I | | | |	5.60
3.250	18.91	0.65	3.357	O I | | | |	5.75
3.333	19.23	0.65	3.484	O I | | | |	5.91
3.417	19.75	0.66	3.614	O I | | | |	6.06
3.500	21.31	0.67	3.751	O I| | | |	6.22
3.583	23.18	0.68	3.899	O I | | | |	6.38
3.667	24.75	0.69	4.060	O I | | | |	6.56
3.750	25.62	0.70	4.228	O I | | | |	6.75
3.833	26.90	0.71	4.404	O |I | | | |	6.95
3.917	27.67	0.72	4.587	O |I | | | |	7.14
4.000	28.93	0.73	4.777	O | I | | | |	7.33
4.083	29.69	0.74	4.974	O | I | | | |	7.52
4.167	31.35	0.75	5.179	O | I | | | |	7.73
4.250	33.24	0.76	5.397	O | I | | | |	7.95
4.333	35.23	0.77	5.627	O | I | | | |	8.16
4.417	37.23	0.78	5.871	O | I | | | |	8.39
4.500	38.84	0.78	6.128	O | I | | | |	8.62
4.583	39.72	0.79	6.393	O | I | | | |	8.86
4.667	41.41	0.80	6.667	O | I | | | |	9.10
4.750	43.31	0.82	6.953	O | I | | | |	9.34
4.833	44.90	0.83	7.251	O | I| | | |	9.58
4.917	45.77	0.84	7.558	O | I| | | |	9.84
5.000	47.46	0.85	7.873	O | I | | |	10.09
5.083	50.98	0.86	8.206	O | |I | |	10.34
5.167	59.11	0.88	8.579	O | | I | |	10.63
5.250	67.74	0.89	9.010	O | | I| |	10.95
5.333	74.56	2.50	9.488	O | | |I |	11.29
5.417	81.65	4.47	10.002	|O | | | I |	11.65
5.500	92.46	6.54	10.564	| O | | | | I	12.04
5.583	89.78	7.74	11.142	| O | | | I|	12.41
5.667	47.47	8.60	11.558	| O | | I | |	12.67
5.750	24.19	8.98	11.745	| O I | | |	12.79
5.833	13.43	9.12	11.812	| OI | | | |	12.84
5.917	8.84	9.15	11.826	| O | | | |	12.85
6.000	5.46	9.12	11.812	|I O | | | |	12.84

6.083	3.10	9.05	11.779	|I O	|	|	|	|	12.82	11.250	0.00	2.37	9.455	O	|	|	|	|	11.27
6.167	0.92	8.95	11.731	I O	|	|	|	|	12.78	11.333	0.00	2.31	9.439	O	|	|	|	|	11.26
6.250	0.29	8.84	11.673	I O	|	|	|	|	12.75	11.417	0.00	2.25	9.423	O	|	|	|	|	11.25
6.333	0.09	8.71	11.614	I O	|	|	|	|	12.71	11.500	0.00	2.19	9.408	O	|	|	|	|	11.23
6.417	0.03	8.59	11.555	I O	|	|	|	|	12.67	11.583	0.00	2.13	9.393	O	|	|	|	|	11.22
6.500	0.01	8.47	11.496	I O	|	|	|	|	12.63	11.667	0.00	2.08	9.379	O	|	|	|	|	11.21
6.583	0.00	8.35	11.439	I O	|	|	|	|	12.60	11.750	0.00	2.02	9.365	O	|	|	|	|	11.20
6.667	0.00	8.23	11.381	I O	|	|	|	|	12.56	11.833	0.00	1.97	9.351	O	|	|	|	|	11.19
6.750	0.00	8.12	11.325	I O	|	|	|	|	12.52	11.917	0.00	1.92	9.338	O	|	|	|	|	11.19
6.833	0.00	8.00	11.270	I O	|	|	|	|	12.49	12.000	0.00	1.87	9.325	O	|	|	|	|	11.18
6.917	0.00	7.89	11.215	I O	|	|	|	|	12.45	12.083	0.00	1.82	9.312	O	|	|	|	|	11.17
7.000	0.00	7.78	11.161	I O	|	|	|	|	12.42	12.167	0.00	1.77	9.300	O	|	|	|	|	11.16
7.083	0.00	7.66	11.108	I O	|	|	|	|	12.39	12.250	0.00	1.72	9.287	O	|	|	|	|	11.15
7.167	0.00	7.56	11.055	I O	|	|	|	|	12.35	12.333	0.00	1.68	9.276	O	|	|	|	|	11.14
7.250	0.00	7.45	11.004	I O	|	|	|	|	12.32	12.417	0.00	1.63	9.264	O	|	|	|	|	11.13
7.333	0.00	7.34	10.953	I O	|	|	|	|	12.29	12.500	0.00	1.59	9.253	O	|	|	|	|	11.13
7.417	0.00	7.24	10.903	I O	|	|	|	|	12.25	12.583	0.00	1.55	9.242	O	|	|	|	|	11.12
7.500	0.00	7.14	10.853	I O	|	|	|	|	12.22	12.667	0.00	1.51	9.232	O	|	|	|	|	11.11
7.583	0.00	7.04	10.804	I O	|	|	|	|	12.19	12.750	0.00	1.47	9.222	O	|	|	|	|	11.10
7.667	0.00	6.94	10.756	I O	|	|	|	|	12.16	12.833	0.00	1.43	9.212	O	|	|	|	|	11.10
7.750	0.00	6.84	10.709	I O	|	|	|	|	12.13	12.917	0.00	1.39	9.202	O	|	|	|	|	11.09
7.833	0.00	6.74	10.662	I O	|	|	|	|	12.10	13.000	0.00	1.36	9.192	O	|	|	|	|	11.08
7.917	0.00	6.65	10.616	I O	|	|	|	|	12.07	13.083	0.00	1.32	9.183	O	|	|	|	|	11.08
8.000	0.00	6.55	10.570	I O	|	|	|	|	12.04	13.167	0.00	1.29	9.174	O	|	|	|	|	11.07
8.083	0.00	6.46	10.526	I O	|	|	|	|	12.01	13.250	0.00	1.25	9.165	O	|	|	|	|	11.07
8.167	0.00	6.32	10.482	I O	|	|	|	|	11.98	13.333	0.00	1.22	9.157	O	|	|	|	|	11.06
8.250	0.00	6.16	10.439	I O	|	|	|	|	11.95	13.417	0.00	1.19	9.149	O	|	|	|	|	11.05
8.333	0.00	6.00	10.397	I O	|	|	|	|	11.92	13.500	0.00	1.16	9.141	O	|	|	|	|	11.05
8.417	0.00	5.84	10.356	I O	|	|	|	|	11.89	13.583	0.00	1.13	9.133	O	|	|	|	|	11.04
8.500	0.00	5.69	10.316	IO	|	|	|	|	11.87	13.667	0.00	1.10	9.125	O	|	|	|	|	11.04
8.583	0.00	5.54	10.278	IO	|	|	|	|	11.84	13.750	0.00	1.07	9.118	O	|	|	|	|	11.03
8.667	0.00	5.39	10.240	IO	|	|	|	|	11.81	13.833	0.00	1.04	9.110	O	|	|	|	|	11.03
8.750	0.00	5.25	10.203	IO	|	|	|	|	11.79	13.917	0.00	1.01	9.103	O	|	|	|	|	11.02
8.833	0.00	5.11	10.168	IO	|	|	|	|	11.76	14.000	0.00	0.99	9.096	O	|	|	|	|	11.02
8.917	0.00	4.98	10.133	IO	|	|	|	|	11.74	14.083	0.00	0.96	9.090	O	|	|	|	|	11.01
9.000	0.00	4.85	10.099	IO	|	|	|	|	11.72	14.167	0.00	0.94	9.083	O	|	|	|	|	11.01
9.083	0.00	4.72	10.066	IO	|	|	|	|	11.69	14.250	0.00	0.91	9.077	O	|	|	|	|	11.00
9.167	0.00	4.60	10.034	IO	|	|	|	|	11.67	14.333	0.00	0.89	9.071	O	|	|	|	|	11.00
9.250	0.00	4.48	10.003	IO	|	|	|	|	11.65	14.417	0.00	0.89	9.064	O	|	|	|	|	10.99
9.333	0.00	4.36	9.972	IO	|	|	|	|	11.63	14.500	0.00	0.89	9.058	O	|	|	|	|	10.99
9.417	0.00	4.25	9.943	IO	|	|	|	|	11.61	14.583	0.00	0.89	9.052	O	|	|	|	|	10.99
9.500	0.00	4.14	9.914	IO	|	|	|	|	11.59	14.667	0.00	0.89	9.046	O	|	|	|	|	10.98
9.583	0.00	4.03	9.886	IO	|	|	|	|	11.57	14.750	0.00	0.89	9.040	O	|	|	|	|	10.98
9.667	0.00	3.92	9.858	IO	|	|	|	|	11.55	14.833	0.00	0.89	9.034	O	|	|	|	|	10.97
9.750	0.00	3.82	9.832	IO	|	|	|	|	11.53	14.917	0.00	0.89	9.028	O	|	|	|	|	10.97
9.833	0.00	3.72	9.806	IO	|	|	|	|	11.51	15.000	0.00	0.89	9.022	O	|	|	|	|	10.96
9.917	0.00	3.62	9.781	IO	|	|	|	|	11.49	15.083	0.00	0.89	9.015	O	|	|	|	|	10.96
10.000	0.00	3.53	9.756	IO	|	|	|	|	11.48	15.167	0.00	0.89	9.009	O	|	|	|	|	10.95
10.083	0.00	3.44	9.732	IO	|	|	|	|	11.46	15.250	0.00	0.89	9.003	O	|	|	|	|	10.95
10.167	0.00	3.35	9.709	IO	|	|	|	|	11.44	15.333	0.00	0.89	8.997	O	|	|	|	|	10.94
10.250	0.00	3.26	9.686	IO	|	|	|	|	11.43	15.417	0.00	0.89	8.991	O	|	|	|	|	10.94
10.333	0.00	3.17	9.664	IO	|	|	|	|	11.41	15.500	0.00	0.89	8.985	O	|	|	|	|	10.93
10.417	0.00	3.09	9.642	IO	|	|	|	|	11.40	15.583	0.00	0.89	8.979	O	|	|	|	|	10.93
10.500	0.00	3.01	9.621	IO	|	|	|	|	11.38	15.667	0.00	0.89	8.973	O	|	|	|	|	10.93
10.583	0.00	2.93	9.601	IO	|	|	|	|	11.37	15.750	0.00	0.89	8.966	O	|	|	|	|	10.92
10.667	0.00	2.85	9.581	O	|	|	|	|	11.35	15.833	0.00	0.89	8.960	O	|	|	|	|	10.92
10.750	0.00	2.78	9.561	O	|	|	|	|	11.34	15.917	0.00	0.89	8.954	O	|	|	|	|	10.91
10.833	0.00	2.71	9.542	O	|	|	|	|	11.33	16.000	0.00	0.89	8.948	O	|	|	|	|	10.91
10.917	0.00	2.63	9.524	O	|	|	|	|	11.32	16.083	0.00	0.89	8.942	O	|	|	|	|	10.90
11.000	0.00	2.57	9.506	O	|	|	|	|	11.30	16.167	0.00	0.89	8.936	O	|	|	|	|	10.90
11.083	0.00	2.50	9.489	O	|	|	|	|	11.29	16.250	0.00	0.89	8.930	O	|	|	|	|	10.89
11.167	0.00	2.43	9.472	O	|	|	|	|	11.28	16.333	0.00	0.89	8.924	O	|	|	|	|	10.89

16.417	0.00	0.89	8.918	O	|	|	|	|	10.88	21.583	0.00	0.87	8.542	O	|	|	|	|	10.60
16.500	0.00	0.89	8.912	O	|	|	|	|	10.88	21.667	0.00	0.87	8.536	O	|	|	|	|	10.59
16.583	0.00	0.88	8.905	O	|	|	|	|	10.87	21.750	0.00	0.87	8.530	O	|	|	|	|	10.59
16.667	0.00	0.88	8.899	O	|	|	|	|	10.87	21.833	0.00	0.87	8.524	O	|	|	|	|	10.58
16.750	0.00	0.88	8.893	O	|	|	|	|	10.87	21.917	0.00	0.87	8.518	O	|	|	|	|	10.58
16.833	0.00	0.88	8.887	O	|	|	|	|	10.86	22.000	0.00	0.87	8.512	O	|	|	|	|	10.58
16.917	0.00	0.88	8.881	O	|	|	|	|	10.86	22.083	0.00	0.87	8.506	O	|	|	|	|	10.57
17.000	0.00	0.88	8.875	O	|	|	|	|	10.85	22.167	0.00	0.87	8.500	O	|	|	|	|	10.57
17.083	0.00	0.88	8.869	O	|	|	|	|	10.85	22.250	0.00	0.87	8.494	O	|	|	|	|	10.56
17.167	0.00	0.88	8.863	O	|	|	|	|	10.84	22.333	0.00	0.87	8.488	O	|	|	|	|	10.56
17.250	0.00	0.88	8.857	O	|	|	|	|	10.84	22.417	0.00	0.87	8.482	O	|	|	|	|	10.55
17.333	0.00	0.88	8.851	O	|	|	|	|	10.83	22.500	0.00	0.87	8.476	O	|	|	|	|	10.55
17.417	0.00	0.88	8.845	O	|	|	|	|	10.83	22.583	0.00	0.87	8.470	O	|	|	|	|	10.54
17.500	0.00	0.88	8.839	O	|	|	|	|	10.82	22.667	0.00	0.87	8.464	O	|	|	|	|	10.54
17.583	0.00	0.88	8.832	O	|	|	|	|	10.82	22.750	0.00	0.87	8.458	O	|	|	|	|	10.53
17.667	0.00	0.88	8.826	O	|	|	|	|	10.81	22.833	0.00	0.87	8.452	O	|	|	|	|	10.53
17.750	0.00	0.88	8.820	O	|	|	|	|	10.81	22.917	0.00	0.87	8.446	O	|	|	|	|	10.53
17.833	0.00	0.88	8.814	O	|	|	|	|	10.81	23.000	0.00	0.87	8.440	O	|	|	|	|	10.52
17.917	0.00	0.88	8.808	O	|	|	|	|	10.80	23.083	0.00	0.87	8.434	O	|	|	|	|	10.52
18.000	0.00	0.88	8.802	O	|	|	|	|	10.80	23.167	0.00	0.87	8.428	O	|	|	|	|	10.51
18.083	0.00	0.88	8.796	O	|	|	|	|	10.79	23.250	0.00	0.87	8.422	O	|	|	|	|	10.51
18.167	0.00	0.88	8.790	O	|	|	|	|	10.79	23.333	0.00	0.87	8.416	O	|	|	|	|	10.50
18.250	0.00	0.88	8.784	O	|	|	|	|	10.78	23.417	0.00	0.87	8.410	O	|	|	|	|	10.50
18.333	0.00	0.88	8.778	O	|	|	|	|	10.78	23.500	0.00	0.87	8.404	O	|	|	|	|	10.49
18.417	0.00	0.88	8.772	O	|	|	|	|	10.77	23.583	0.00	0.87	8.398	O	|	|	|	|	10.49
18.500	0.00	0.88	8.766	O	|	|	|	|	10.77	23.667	0.00	0.87	8.392	O	|	|	|	|	10.48
18.583	0.00	0.88	8.760	O	|	|	|	|	10.76	23.750	0.00	0.87	8.386	O	|	|	|	|	10.48
18.667	0.00	0.88	8.754	O	|	|	|	|	10.76	23.833	0.00	0.87	8.380	O	|	|	|	|	10.48
18.750	0.00	0.88	8.747	O	|	|	|	|	10.75	23.917	0.00	0.87	8.374	O	|	|	|	|	10.47
18.833	0.00	0.88	8.741	O	|	|	|	|	10.75	24.000	0.00	0.87	8.368	O	|	|	|	|	10.47
18.917	0.00	0.88	8.735	O	|	|	|	|	10.75	24.083	0.00	0.87	8.362	O	|	|	|	|	10.46
19.000	0.00	0.88	8.729	O	|	|	|	|	10.74	24.167	0.00	0.87	8.356	O	|	|	|	|	10.46
19.083	0.00	0.88	8.723	O	|	|	|	|	10.74	24.250	0.00	0.87	8.350	O	|	|	|	|	10.45
19.167	0.00	0.88	8.717	O	|	|	|	|	10.73	24.333	0.00	0.87	8.344	O	|	|	|	|	10.45
19.250	0.00	0.88	8.711	O	|	|	|	|	10.73	24.417	0.00	0.87	8.338	O	|	|	|	|	10.44
19.333	0.00	0.88	8.705	O	|	|	|	|	10.72	24.500	0.00	0.87	8.332	O	|	|	|	|	10.44
19.417	0.00	0.88	8.699	O	|	|	|	|	10.72	24.583	0.00	0.87	8.326	O	|	|	|	|	10.43
19.500	0.00	0.88	8.693	O	|	|	|	|	10.71	24.667	0.00	0.87	8.320	O	|	|	|	|	10.43
19.583	0.00	0.88	8.687	O	|	|	|	|	10.71	24.750	0.00	0.87	8.314	O	|	|	|	|	10.43
19.667	0.00	0.88	8.681	O	|	|	|	|	10.70	24.833	0.00	0.87	8.308	O	|	|	|	|	10.42
19.750	0.00	0.88	8.675	O	|	|	|	|	10.70	24.917	0.00	0.87	8.302	O	|	|	|	|	10.42
19.833	0.00	0.88	8.669	O	|	|	|	|	10.69	25.000	0.00	0.87	8.296	O	|	|	|	|	10.41
19.917	0.00	0.88	8.663	O	|	|	|	|	10.69	25.083	0.00	0.87	8.290	O	|	|	|	|	10.41
20.000	0.00	0.88	8.657	O	|	|	|	|	10.69	25.167	0.00	0.87	8.284	O	|	|	|	|	10.40
20.083	0.00	0.88	8.651	O	|	|	|	|	10.68	25.250	0.00	0.87	8.278	O	|	|	|	|	10.40
20.167	0.00	0.88	8.645	O	|	|	|	|	10.68	25.333	0.00	0.87	8.272	O	|	|	|	|	10.39
20.250	0.00	0.88	8.639	O	|	|	|	|	10.67	25.417	0.00	0.87	8.267	O	|	|	|	|	10.39
20.333	0.00	0.88	8.632	O	|	|	|	|	10.67	25.500	0.00	0.87	8.261	O	|	|	|	|	10.39
20.417	0.00	0.88	8.626	O	|	|	|	|	10.66	25.583	0.00	0.87	8.255	O	|	|	|	|	10.38
20.500	0.00	0.88	8.620	O	|	|	|	|	10.66	25.667	0.00	0.87	8.249	O	|	|	|	|	10.38
20.583	0.00	0.88	8.614	O	|	|	|	|	10.65	25.750	0.00	0.86	8.243	O	|	|	|	|	10.37
20.667	0.00	0.88	8.608	O	|	|	|	|	10.65	25.833	0.00	0.86	8.237	O	|	|	|	|	10.37
20.750	0.00	0.88	8.602	O	|	|	|	|	10.64	25.917	0.00	0.86	8.231	O	|	|	|	|	10.36
20.833	0.00	0.88	8.596	O	|	|	|	|	10.64	26.000	0.00	0.86	8.225	O	|	|	|	|	10.36
20.917	0.00	0.88	8.590	O	|	|	|	|	10.64	26.083	0.00	0.86	8.219	O	|	|	|	|	10.35
21.000	0.00	0.88	8.584	O	|	|	|	|	10.63	26.167	0.00	0.86	8.213	O	|	|	|	|	10.35
21.083	0.00	0.88	8.578	O	|	|	|	|	10.63	26.250	0.00	0.86	8.207	O	|	|	|	|	10.34
21.167	0.00	0.87	8.572	O	|	|	|	|	10.62	26.333	0.00	0.86	8.201	O	|	|	|	|	10.34
21.250	0.00	0.87	8.566	O	|	|	|	|	10.62	26.417	0.00	0.86	8.195	O	|	|	|	|	10.34
21.333	0.00	0.87	8.560	O	|	|	|	|	10.61	26.500	0.00	0.86	8.189	O	|	|	|	|	10.33
21.417	0.00	0.87	8.554	O	|	|	|	|	10.61	26.583	0.00	0.86	8.183	O	|	|	|	|	10.33
21.500	0.00	0.87	8.548	O	|	|	|	|	10.60	26.667	0.00	0.86	8.177	O	|	|	|	|	10.32

26.750	0.00	0.86	8.171	O	|	|	|	|	10.32	31.917	0.00	0.85	7.805	O	|	|	|	|	10.04
26.833	0.00	0.86	8.165	O	|	|	|	|	10.31	32.000	0.00	0.85	7.799	O	|	|	|	|	10.04
26.917	0.00	0.86	8.159	O	|	|	|	|	10.31	32.083	0.00	0.85	7.794	O	|	|	|	|	10.03
27.000	0.00	0.86	8.153	O	|	|	|	|	10.30	32.167	0.00	0.85	7.788	O	|	|	|	|	10.03
27.083	0.00	0.86	8.148	O	|	|	|	|	10.30	32.250	0.00	0.85	7.782	O	|	|	|	|	10.02
27.167	0.00	0.86	8.142	O	|	|	|	|	10.29	32.333	0.00	0.85	7.776	O	|	|	|	|	10.02
27.250	0.00	0.86	8.136	O	|	|	|	|	10.29	32.417	0.00	0.85	7.770	O	|	|	|	|	10.01
27.333	0.00	0.86	8.130	O	|	|	|	|	10.29	32.500	0.00	0.85	7.764	O	|	|	|	|	10.01
27.417	0.00	0.86	8.124	O	|	|	|	|	10.28	32.583	0.00	0.85	7.758	O	|	|	|	|	10.00
27.500	0.00	0.86	8.118	O	|	|	|	|	10.28	32.667	0.00	0.85	7.753	O	|	|	|	|	10.00
27.583	0.00	0.86	8.112	O	|	|	|	|	10.27	32.750	0.00	0.85	7.747	O	|	|	|	|	9.99
27.667	0.00	0.86	8.106	O	|	|	|	|	10.27	32.833	0.00	0.85	7.741	O	|	|	|	|	9.99
27.750	0.00	0.86	8.100	O	|	|	|	|	10.26	32.917	0.00	0.85	7.735	O	|	|	|	|	9.99
27.833	0.00	0.86	8.094	O	|	|	|	|	10.26	33.000	0.00	0.85	7.729	O	|	|	|	|	9.98
27.917	0.00	0.86	8.088	O	|	|	|	|	10.25	33.083	0.00	0.85	7.723	O	|	|	|	|	9.98
28.000	0.00	0.86	8.082	O	|	|	|	|	10.25	33.167	0.00	0.85	7.717	O	|	|	|	|	9.97
28.083	0.00	0.86	8.076	O	|	|	|	|	10.25	33.250	0.00	0.85	7.712	O	|	|	|	|	9.97
28.167	0.00	0.86	8.070	O	|	|	|	|	10.24	33.333	0.00	0.85	7.706	O	|	|	|	|	9.96
28.250	0.00	0.86	8.065	O	|	|	|	|	10.24	33.417	0.00	0.85	7.700	O	|	|	|	|	9.96
28.333	0.00	0.86	8.059	O	|	|	|	|	10.23	33.500	0.00	0.85	7.694	O	|	|	|	|	9.95
28.417	0.00	0.86	8.053	O	|	|	|	|	10.23	33.583	0.00	0.85	7.688	O	|	|	|	|	9.95
28.500	0.00	0.86	8.047	O	|	|	|	|	10.22	33.667	0.00	0.85	7.682	O	|	|	|	|	9.94
28.583	0.00	0.86	8.041	O	|	|	|	|	10.22	33.750	0.00	0.85	7.677	O	|	|	|	|	9.94
28.667	0.00	0.86	8.035	O	|	|	|	|	10.21	33.833	0.00	0.85	7.671	O	|	|	|	|	9.93
28.750	0.00	0.86	8.029	O	|	|	|	|	10.21	33.917	0.00	0.85	7.665	O	|	|	|	|	9.93
28.833	0.00	0.86	8.023	O	|	|	|	|	10.20	34.000	0.00	0.85	7.659	O	|	|	|	|	9.92
28.917	0.00	0.86	8.017	O	|	|	|	|	10.20	34.083	0.00	0.85	7.653	O	|	|	|	|	9.92
29.000	0.00	0.86	8.011	O	|	|	|	|	10.20	34.167	0.00	0.85	7.647	O	|	|	|	|	9.91
29.083	0.00	0.86	8.005	O	|	|	|	|	10.19	34.250	0.00	0.85	7.642	O	|	|	|	|	9.91
29.167	0.00	0.86	8.000	O	|	|	|	|	10.19	34.333	0.00	0.85	7.636	O	|	|	|	|	9.90
29.250	0.00	0.86	7.994	O	|	|	|	|	10.18	34.417	0.00	0.84	7.630	O	|	|	|	|	9.90
29.333	0.00	0.86	7.988	O	|	|	|	|	10.18	34.500	0.00	0.84	7.624	O	|	|	|	|	9.89
29.417	0.00	0.86	7.982	O	|	|	|	|	10.17	34.583	0.00	0.84	7.618	O	|	|	|	|	9.89
29.500	0.00	0.86	7.976	O	|	|	|	|	10.17	34.667	0.00	0.84	7.613	O	|	|	|	|	9.88
29.583	0.00	0.86	7.970	O	|	|	|	|	10.16	34.750	0.00	0.84	7.607	O	|	|	|	|	9.88
29.667	0.00	0.86	7.964	O	|	|	|	|	10.16	34.833	0.00	0.84	7.601	O	|	|	|	|	9.87
29.750	0.00	0.86	7.958	O	|	|	|	|	10.16	34.917	0.00	0.84	7.595	O	|	|	|	|	9.87
29.833	0.00	0.86	7.952	O	|	|	|	|	10.15	35.000	0.00	0.84	7.589	O	|	|	|	|	9.86
29.917	0.00	0.86	7.946	O	|	|	|	|	10.15	35.083	0.00	0.84	7.584	O	|	|	|	|	9.86
30.000	0.00	0.86	7.941	O	|	|	|	|	10.14	35.167	0.00	0.84	7.578	O	|	|	|	|	9.85
30.083	0.00	0.86	7.935	O	|	|	|	|	10.14	35.250	0.00	0.84	7.572	O	|	|	|	|	9.85
30.167	0.00	0.86	7.929	O	|	|	|	|	10.13	35.333	0.00	0.84	7.566	O	|	|	|	|	9.85
30.250	0.00	0.86	7.923	O	|	|	|	|	10.13	35.417	0.00	0.84	7.560	O	|	|	|	|	9.84
30.333	0.00	0.85	7.917	O	|	|	|	|	10.12	35.500	0.00	0.84	7.555	O	|	|	|	|	9.84
30.417	0.00	0.85	7.911	O	|	|	|	|	10.12	35.583	0.00	0.84	7.549	O	|	|	|	|	9.83
30.500	0.00	0.85	7.905	O	|	|	|	|	10.12	35.667	0.00	0.84	7.543	O	|	|	|	|	9.83
30.583	0.00	0.85	7.899	O	|	|	|	|	10.11	35.750	0.00	0.84	7.537	O	|	|	|	|	9.82
30.667	0.00	0.85	7.893	O	|	|	|	|	10.11	35.833	0.00	0.84	7.531	O	|	|	|	|	9.82
30.750	0.00	0.85	7.888	O	|	|	|	|	10.10	35.917	0.00	0.84	7.526	O	|	|	|	|	9.81
30.833	0.00	0.85	7.882	O	|	|	|	|	10.10	36.000	0.00	0.84	7.520	O	|	|	|	|	9.81
30.917	0.00	0.85	7.876	O	|	|	|	|	10.09	36.083	0.00	0.84	7.514	O	|	|	|	|	9.80
31.000	0.00	0.85	7.870	O	|	|	|	|	10.09	36.167	0.00	0.84	7.508	O	|	|	|	|	9.80
31.083	0.00	0.85	7.864	O	|	|	|	|	10.08	36.250	0.00	0.84	7.502	O	|	|	|	|	9.79
31.167	0.00	0.85	7.858	O	|	|	|	|	10.08	36.333	0.00	0.84	7.497	O	|	|	|	|	9.79
31.250	0.00	0.85	7.852	O	|	|	|	|	10.08	36.417	0.00	0.84	7.491	O	|	|	|	|	9.78
31.333	0.00	0.85	7.846	O	|	|	|	|	10.07	36.500	0.00	0.84	7.485	O	|	|	|	|	9.78
31.417	0.00	0.85	7.841	O	|	|	|	|	10.07	36.583	0.00	0.84	7.479	O	|	|	|	|	9.77
31.500	0.00	0.85	7.835	O	|	|	|	|	10.06	36.667	0.00	0.84	7.474	O	|	|	|	|	9.77
31.583	0.00	0.85	7.829	O	|	|	|	|	10.06	36.750	0.00	0.84	7.468	O	|	|	|	|	9.76
31.667	0.00	0.85	7.823	O	|	|	|	|	10.05	36.833	0.00	0.84	7.462	O	|	|	|	|	9.76
31.750	0.00	0.85	7.817	O	|	|	|	|	10.05	36.917	0.00	0.84	7.456	O	|	|	|	|	9.75
31.833	0.00	0.85	7.811	O	|	|	|	|	10.04	37.000	0.00	0.84	7.450	O	|	|	|	|	9.75

37.083	0.00	0.84	7.445	O	|	|	|	|	9.74	42.250	0.00	0.82	7.090	O	|	|	|	|	9.45
37.167	0.00	0.84	7.439	O	|	|	|	|	9.74	42.333	0.00	0.82	7.085	O	|	|	|	|	9.45
37.250	0.00	0.84	7.433	O	|	|	|	|	9.73	42.417	0.00	0.82	7.079	O	|	|	|	|	9.44
37.333	0.00	0.84	7.427	O	|	|	|	|	9.73	42.500	0.00	0.82	7.073	O	|	|	|	|	9.44
37.417	0.00	0.84	7.422	O	|	|	|	|	9.73	42.583	0.00	0.82	7.068	O	|	|	|	|	9.43
37.500	0.00	0.84	7.416	O	|	|	|	|	9.72	42.667	0.00	0.82	7.062	O	|	|	|	|	9.43
37.583	0.00	0.84	7.410	O	|	|	|	|	9.72	42.750	0.00	0.82	7.056	O	|	|	|	|	9.42
37.667	0.00	0.84	7.404	O	|	|	|	|	9.71	42.833	0.00	0.82	7.051	O	|	|	|	|	9.42
37.750	0.00	0.84	7.399	O	|	|	|	|	9.71	42.917	0.00	0.82	7.045	O	|	|	|	|	9.41
37.833	0.00	0.84	7.393	O	|	|	|	|	9.70	43.000	0.00	0.82	7.039	O	|	|	|	|	9.41
37.917	0.00	0.83	7.387	O	|	|	|	|	9.70	43.083	0.00	0.82	7.034	O	|	|	|	|	9.40
38.000	0.00	0.83	7.381	O	|	|	|	|	9.69	43.167	0.00	0.82	7.028	O	|	|	|	|	9.40
38.083	0.00	0.83	7.376	O	|	|	|	|	9.69	43.250	0.00	0.82	7.022	O	|	|	|	|	9.39
38.167	0.00	0.83	7.370	O	|	|	|	|	9.68	43.333	0.00	0.82	7.017	O	|	|	|	|	9.39
38.250	0.00	0.83	7.364	O	|	|	|	|	9.68	43.417	0.00	0.82	7.011	O	|	|	|	|	9.38
38.333	0.00	0.83	7.358	O	|	|	|	|	9.67	43.500	0.00	0.82	7.006	O	|	|	|	|	9.38
38.417	0.00	0.83	7.353	O	|	|	|	|	9.67	43.583	0.00	0.82	7.000	O	|	|	|	|	9.38
38.500	0.00	0.83	7.347	O	|	|	|	|	9.66	43.667	0.00	0.82	6.994	O	|	|	|	|	9.37
38.583	0.00	0.83	7.341	O	|	|	|	|	9.66	43.750	0.00	0.82	6.989	O	|	|	|	|	9.37
38.667	0.00	0.83	7.335	O	|	|	|	|	9.65	43.833	0.00	0.82	6.983	O	|	|	|	|	9.36
38.750	0.00	0.83	7.330	O	|	|	|	|	9.65	43.917	0.00	0.82	6.977	O	|	|	|	|	9.36
38.833	0.00	0.83	7.324	O	|	|	|	|	9.64	44.000	0.00	0.82	6.972	O	|	|	|	|	9.35
38.917	0.00	0.83	7.318	O	|	|	|	|	9.64	44.083	0.00	0.82	6.966	O	|	|	|	|	9.35
39.000	0.00	0.83	7.312	O	|	|	|	|	9.63	44.167	0.00	0.82	6.960	O	|	|	|	|	9.34
39.083	0.00	0.83	7.307	O	|	|	|	|	9.63	44.250	0.00	0.82	6.955	O	|	|	|	|	9.34
39.167	0.00	0.83	7.301	O	|	|	|	|	9.63	44.333	0.00	0.82	6.949	O	|	|	|	|	9.33
39.250	0.00	0.83	7.295	O	|	|	|	|	9.62	44.417	0.00	0.82	6.944	O	|	|	|	|	9.33
39.333	0.00	0.83	7.290	O	|	|	|	|	9.62	44.500	0.00	0.82	6.938	O	|	|	|	|	9.32
39.417	0.00	0.83	7.284	O	|	|	|	|	9.61	44.583	0.00	0.82	6.932	O	|	|	|	|	9.32
39.500	0.00	0.83	7.278	O	|	|	|	|	9.61	44.667	0.00	0.82	6.927	O	|	|	|	|	9.31
39.583	0.00	0.83	7.272	O	|	|	|	|	9.60	44.750	0.00	0.82	6.921	O	|	|	|	|	9.31
39.667	0.00	0.83	7.267	O	|	|	|	|	9.60	44.833	0.00	0.82	6.915	O	|	|	|	|	9.31
39.750	0.00	0.83	7.261	O	|	|	|	|	9.59	44.917	0.00	0.82	6.910	O	|	|	|	|	9.30
39.833	0.00	0.83	7.255	O	|	|	|	|	9.59	45.000	0.00	0.81	6.904	O	|	|	|	|	9.30
39.917	0.00	0.83	7.250	O	|	|	|	|	9.58	45.083	0.00	0.81	6.899	O	|	|	|	|	9.29
40.000	0.00	0.83	7.244	O	|	|	|	|	9.58	45.167	0.00	0.81	6.893	O	|	|	|	|	9.29
40.083	0.00	0.83	7.238	O	|	|	|	|	9.57	45.250	0.00	0.81	6.887	O	|	|	|	|	9.28
40.167	0.00	0.83	7.232	O	|	|	|	|	9.57	45.333	0.00	0.81	6.882	O	|	|	|	|	9.28
40.250	0.00	0.83	7.227	O	|	|	|	|	9.56	45.417	0.00	0.81	6.876	O	|	|	|	|	9.27
40.333	0.00	0.83	7.221	O	|	|	|	|	9.56	45.500	0.00	0.81	6.871	O	|	|	|	|	9.27
40.417	0.00	0.83	7.215	O	|	|	|	|	9.55	45.583	0.00	0.81	6.865	O	|	|	|	|	9.26
40.500	0.00	0.83	7.210	O	|	|	|	|	9.55	45.667	0.00	0.81	6.859	O	|	|	|	|	9.26
40.583	0.00	0.83	7.204	O	|	|	|	|	9.54	45.750	0.00	0.81	6.854	O	|	|	|	|	9.25
40.667	0.00	0.83	7.198	O	|	|	|	|	9.54	45.833	0.00	0.81	6.848	O	|	|	|	|	9.25
40.750	0.00	0.83	7.193	O	|	|	|	|	9.54	45.917	0.00	0.81	6.843	O	|	|	|	|	9.25
40.833	0.00	0.83	7.187	O	|	|	|	|	9.53	46.000	0.00	0.81	6.837	O	|	|	|	|	9.24
40.917	0.00	0.83	7.181	O	|	|	|	|	9.53	46.083	0.00	0.81	6.831	O	|	|	|	|	9.24
41.000	0.00	0.83	7.175	O	|	|	|	|	9.52	46.167	0.00	0.81	6.826	O	|	|	|	|	9.23
41.083	0.00	0.83	7.170	O	|	|	|	|	9.52	46.250	0.00	0.81	6.820	O	|	|	|	|	9.23
41.167	0.00	0.83	7.164	O	|	|	|	|	9.51	46.333	0.00	0.81	6.815	O	|	|	|	|	9.22
41.250	0.00	0.83	7.158	O	|	|	|	|	9.51	46.417	0.00	0.81	6.809	O	|	|	|	|	9.22
41.333	0.00	0.83	7.153	O	|	|	|	|	9.50	46.500	0.00	0.81	6.804	O	|	|	|	|	9.21
41.417	0.00	0.82	7.147	O	|	|	|	|	9.50	46.583	0.00	0.81	6.798	O	|	|	|	|	9.21
41.500	0.00	0.82	7.141	O	|	|	|	|	9.49	46.667	0.00	0.81	6.792	O	|	|	|	|	9.20
41.583	0.00	0.82	7.136	O	|	|	|	|	9.49	46.750	0.00	0.81	6.787	O	|	|	|	|	9.20
41.667	0.00	0.82	7.130	O	|	|	|	|	9.48	46.833	0.00	0.81	6.781	O	|	|	|	|	9.19
41.750	0.00	0.82	7.124	O	|	|	|	|	9.48	46.917	0.00	0.81	6.776	O	|	|	|	|	9.19
41.833	0.00	0.82	7.119	O	|	|	|	|	9.47	47.000	0.00	0.81	6.770	O	|	|	|	|	9.18
41.917	0.00	0.82	7.113	O	|	|	|	|	9.47	47.083	0.00	0.81	6.764	O	|	|	|	|	9.18
42.000	0.00	0.82	7.107	O	|	|	|	|	9.46	47.167	0.00	0.81	6.759	O	|	|	|	|	9.18
42.083	0.00	0.82	7.102	O	|	|	|	|	9.46	47.250	0.00	0.81	6.753	O	|	|	|	|	9.17
42.167	0.00	0.82	7.096	O	|	|	|	|	9.46	47.333	0.00	0.81	6.748	O	|	|	|	|	9.17

47.417	0.00	0.81	6.742	O	|	|	|	|	9.16	52.583	0.00	0.79	6.400	O	|	|	|	|	8.87
47.500	0.00	0.81	6.737	O	|	|	|	|	9.16	52.667	0.00	0.79	6.395	O	|	|	|	|	8.86
47.583	0.00	0.81	6.731	O	|	|	|	|	9.15	52.750	0.00	0.79	6.389	O	|	|	|	|	8.86
47.667	0.00	0.81	6.726	O	|	|	|	|	9.15	52.833	0.00	0.79	6.384	O	|	|	|	|	8.85
47.750	0.00	0.81	6.720	O	|	|	|	|	9.14	52.917	0.00	0.79	6.378	O	|	|	|	|	8.85
47.833	0.00	0.81	6.714	O	|	|	|	|	9.14	53.000	0.00	0.79	6.373	O	|	|	|	|	8.84
47.917	0.00	0.81	6.709	O	|	|	|	|	9.13	53.083	0.00	0.79	6.367	O	|	|	|	|	8.84
48.000	0.00	0.81	6.703	O	|	|	|	|	9.13	53.167	0.00	0.79	6.362	O	|	|	|	|	8.83
48.083	0.00	0.81	6.698	O	|	|	|	|	9.12	53.250	0.00	0.79	6.356	O	|	|	|	|	8.83
48.167	0.00	0.81	6.692	O	|	|	|	|	9.12	53.333	0.00	0.79	6.351	O	|	|	|	|	8.82
48.250	0.00	0.81	6.687	O	|	|	|	|	9.12	53.417	0.00	0.79	6.345	O	|	|	|	|	8.82
48.333	0.00	0.81	6.681	O	|	|	|	|	9.11	53.500	0.00	0.79	6.340	O	|	|	|	|	8.81
48.417	0.00	0.81	6.676	O	|	|	|	|	9.11	53.583	0.00	0.79	6.335	O	|	|	|	|	8.81
48.500	0.00	0.81	6.670	O	|	|	|	|	9.10	53.667	0.00	0.79	6.329	O	|	|	|	|	8.80
48.583	0.00	0.80	6.664	O	|	|	|	|	9.10	53.750	0.00	0.79	6.324	O	|	|	|	|	8.80
48.667	0.00	0.80	6.659	O	|	|	|	|	9.09	53.833	0.00	0.79	6.318	O	|	|	|	|	8.79
48.750	0.00	0.80	6.653	O	|	|	|	|	9.09	53.917	0.00	0.79	6.313	O	|	|	|	|	8.79
48.833	0.00	0.80	6.648	O	|	|	|	|	9.08	54.000	0.00	0.79	6.307	O	|	|	|	|	8.78
48.917	0.00	0.80	6.642	O	|	|	|	|	9.08	54.083	0.00	0.79	6.302	O	|	|	|	|	8.78
49.000	0.00	0.80	6.637	O	|	|	|	|	9.07	54.167	0.00	0.79	6.296	O	|	|	|	|	8.77
49.083	0.00	0.80	6.631	O	|	|	|	|	9.07	54.250	0.00	0.79	6.291	O	|	|	|	|	8.77
49.167	0.00	0.80	6.626	O	|	|	|	|	9.07	54.333	0.00	0.79	6.285	O	|	|	|	|	8.76
49.250	0.00	0.80	6.620	O	|	|	|	|	9.06	54.417	0.00	0.79	6.280	O	|	|	|	|	8.76
49.333	0.00	0.80	6.615	O	|	|	|	|	9.06	54.500	0.00	0.79	6.275	O	|	|	|	|	8.75
49.417	0.00	0.80	6.609	O	|	|	|	|	9.05	54.583	0.00	0.79	6.269	O	|	|	|	|	8.75
49.500	0.00	0.80	6.604	O	|	|	|	|	9.05	54.667	0.00	0.79	6.264	O	|	|	|	|	8.74
49.583	0.00	0.80	6.598	O	|	|	|	|	9.04	54.750	0.00	0.79	6.258	O	|	|	|	|	8.74
49.667	0.00	0.80	6.593	O	|	|	|	|	9.04	54.833	0.00	0.79	6.253	O	|	|	|	|	8.73
49.750	0.00	0.80	6.587	O	|	|	|	|	9.03	54.917	0.00	0.79	6.247	O	|	|	|	|	8.73
49.833	0.00	0.80	6.581	O	|	|	|	|	9.03	55.000	0.00	0.79	6.242	O	|	|	|	|	8.72
49.917	0.00	0.80	6.576	O	|	|	|	|	9.02	55.083	0.00	0.79	6.237	O	|	|	|	|	8.72
50.000	0.00	0.80	6.570	O	|	|	|	|	9.02	55.167	0.00	0.79	6.231	O	|	|	|	|	8.71
50.083	0.00	0.80	6.565	O	|	|	|	|	9.01	55.250	0.00	0.79	6.226	O	|	|	|	|	8.71
50.167	0.00	0.80	6.559	O	|	|	|	|	9.01	55.333	0.00	0.79	6.220	O	|	|	|	|	8.70
50.250	0.00	0.80	6.554	O	|	|	|	|	9.01	55.417	0.00	0.79	6.215	O	|	|	|	|	8.70
50.333	0.00	0.80	6.548	O	|	|	|	|	9.00	55.500	0.00	0.79	6.209	O	|	|	|	|	8.69
50.417	0.00	0.80	6.543	O	|	|	|	|	9.00	55.583	0.00	0.79	6.204	O	|	|	|	|	8.69
50.500	0.00	0.80	6.537	O	|	|	|	|	8.99	55.667	0.00	0.79	6.199	O	|	|	|	|	8.68
50.583	0.00	0.80	6.532	O	|	|	|	|	8.99	55.750	0.00	0.79	6.193	O	|	|	|	|	8.68
50.667	0.00	0.80	6.526	O	|	|	|	|	8.98	55.833	0.00	0.79	6.188	O	|	|	|	|	8.67
50.750	0.00	0.80	6.521	O	|	|	|	|	8.98	55.917	0.00	0.79	6.182	O	|	|	|	|	8.67
50.833	0.00	0.80	6.515	O	|	|	|	|	8.97	56.000	0.00	0.79	6.177	O	|	|	|	|	8.66
50.917	0.00	0.80	6.510	O	|	|	|	|	8.97	56.083	0.00	0.79	6.171	O	|	|	|	|	8.66
51.000	0.00	0.80	6.504	O	|	|	|	|	8.96	56.167	0.00	0.79	6.166	O	|	|	|	|	8.65
51.083	0.00	0.80	6.499	O	|	|	|	|	8.96	56.250	0.00	0.79	6.161	O	|	|	|	|	8.65
51.167	0.00	0.80	6.493	O	|	|	|	|	8.95	56.333	0.00	0.79	6.155	O	|	|	|	|	8.64
51.250	0.00	0.80	6.488	O	|	|	|	|	8.95	56.417	0.00	0.79	6.150	O	|	|	|	|	8.64
51.333	0.00	0.80	6.482	O	|	|	|	|	8.94	56.500	0.00	0.79	6.144	O	|	|	|	|	8.63
51.417	0.00	0.80	6.477	O	|	|	|	|	8.94	56.583	0.00	0.79	6.139	O	|	|	|	|	8.63
51.500	0.00	0.80	6.471	O	|	|	|	|	8.93	56.667	0.00	0.78	6.134	O	|	|	|	|	8.62
51.583	0.00	0.80	6.466	O	|	|	|	|	8.93	56.750	0.00	0.78	6.128	O	|	|	|	|	8.62
51.667	0.00	0.80	6.460	O	|	|	|	|	8.92	56.833	0.00	0.78	6.123	O	|	|	|	|	8.61
51.750	0.00	0.80	6.455	O	|	|	|	|	8.92	56.917	0.00	0.78	6.117	O	|	|	|	|	8.61
51.833	0.00	0.80	6.449	O	|	|	|	|	8.91	57.000	0.00	0.78	6.112	O	|	|	|	|	8.60
51.917	0.00	0.80	6.444	O	|	|	|	|	8.91	57.083	0.00	0.78	6.107	O	|	|	|	|	8.60
52.000	0.00	0.80	6.438	O	|	|	|	|	8.90	57.167	0.00	0.78	6.101	O	|	|	|	|	8.59
52.083	0.00	0.80	6.433	O	|	|	|	|	8.90	57.250	0.00	0.78	6.096	O	|	|	|	|	8.59
52.167	0.00	0.80	6.427	O	|	|	|	|	8.89	57.333	0.00	0.78	6.090	O	|	|	|	|	8.58
52.250	0.00	0.80	6.422	O	|	|	|	|	8.89	57.417	0.00	0.78	6.085	O	|	|	|	|	8.58
52.333	0.00	0.80	6.417	O	|	|	|	|	8.88	57.500	0.00	0.78	6.080	O	|	|	|	|	8.57
52.417	0.00	0.80	6.411	O	|	|	|	|	8.88	57.583	0.00	0.78	6.074	O	|	|	|	|	8.57
52.500	0.00	0.79	6.406	O	|	|	|	|	8.87	57.667	0.00	0.78	6.069	O	|	|	|	|	8.56

57.750	0.00	0.78	6.063	O	|	|	|	|	8.56	62.917	0.00	0.77	5.732	O	|	|	|	|	8.26
57.833	0.00	0.78	6.058	O	|	|	|	|	8.56	63.000	0.00	0.77	5.727	O	|	|	|	|	8.25
57.917	0.00	0.78	6.053	O	|	|	|	|	8.55	63.083	0.00	0.77	5.721	O	|	|	|	|	8.25
58.000	0.00	0.78	6.047	O	|	|	|	|	8.55	63.167	0.00	0.77	5.716	O	|	|	|	|	8.24
58.083	0.00	0.78	6.042	O	|	|	|	|	8.54	63.250	0.00	0.77	5.711	O	|	|	|	|	8.24
58.167	0.00	0.78	6.036	O	|	|	|	|	8.54	63.333	0.00	0.77	5.705	O	|	|	|	|	8.23
58.250	0.00	0.78	6.031	O	|	|	|	|	8.53	63.417	0.00	0.77	5.700	O	|	|	|	|	8.23
58.333	0.00	0.78	6.026	O	|	|	|	|	8.53	63.500	0.00	0.77	5.695	O	|	|	|	|	8.22
58.417	0.00	0.78	6.020	O	|	|	|	|	8.52	63.583	0.00	0.77	5.690	O	|	|	|	|	8.22
58.500	0.00	0.78	6.015	O	|	|	|	|	8.52	63.667	0.00	0.77	5.684	O	|	|	|	|	8.21
58.583	0.00	0.78	6.010	O	|	|	|	|	8.51	63.750	0.00	0.77	5.679	O	|	|	|	|	8.21
58.667	0.00	0.78	6.004	O	|	|	|	|	8.51	63.833	0.00	0.77	5.674	O	|	|	|	|	8.21
58.750	0.00	0.78	5.999	O	|	|	|	|	8.50	63.917	0.00	0.77	5.668	O	|	|	|	|	8.20
58.833	0.00	0.78	5.993	O	|	|	|	|	8.50	64.000	0.00	0.77	5.663	O	|	|	|	|	8.20
58.917	0.00	0.78	5.988	O	|	|	|	|	8.49	64.083	0.00	0.77	5.658	O	|	|	|	|	8.19
59.000	0.00	0.78	5.983	O	|	|	|	|	8.49	64.167	0.00	0.77	5.652	O	|	|	|	|	8.19
59.083	0.00	0.78	5.977	O	|	|	|	|	8.48	64.250	0.00	0.77	5.647	O	|	|	|	|	8.18
59.167	0.00	0.78	5.972	O	|	|	|	|	8.48	64.333	0.00	0.77	5.642	O	|	|	|	|	8.18
59.250	0.00	0.78	5.967	O	|	|	|	|	8.47	64.417	0.00	0.77	5.637	O	|	|	|	|	8.17
59.333	0.00	0.78	5.961	O	|	|	|	|	8.47	64.500	0.00	0.77	5.631	O	|	|	|	|	8.17
59.417	0.00	0.78	5.956	O	|	|	|	|	8.46	64.583	0.00	0.77	5.626	O	|	|	|	|	8.16
59.500	0.00	0.78	5.951	O	|	|	|	|	8.46	64.667	0.00	0.77	5.621	O	|	|	|	|	8.16
59.583	0.00	0.78	5.945	O	|	|	|	|	8.45	64.750	0.00	0.77	5.616	O	|	|	|	|	8.15
59.667	0.00	0.78	5.940	O	|	|	|	|	8.45	64.833	0.00	0.77	5.610	O	|	|	|	|	8.15
59.750	0.00	0.78	5.934	O	|	|	|	|	8.44	64.917	0.00	0.77	5.605	O	|	|	|	|	8.14
59.833	0.00	0.78	5.929	O	|	|	|	|	8.44	65.000	0.00	0.77	5.600	O	|	|	|	|	8.14
59.917	0.00	0.78	5.924	O	|	|	|	|	8.43	65.083	0.00	0.77	5.594	O	|	|	|	|	8.13
60.000	0.00	0.78	5.918	O	|	|	|	|	8.43	65.167	0.00	0.77	5.589	O	|	|	|	|	8.13
60.083	0.00	0.78	5.913	O	|	|	|	|	8.42	65.250	0.00	0.76	5.584	O	|	|	|	|	8.12
60.167	0.00	0.78	5.908	O	|	|	|	|	8.42	65.333	0.00	0.76	5.579	O	|	|	|	|	8.12
60.250	0.00	0.78	5.902	O	|	|	|	|	8.41	65.417	0.00	0.76	5.573	O	|	|	|	|	8.11
60.333	0.00	0.78	5.897	O	|	|	|	|	8.41	65.500	0.00	0.76	5.568	O	|	|	|	|	8.11
60.417	0.00	0.78	5.892	O	|	|	|	|	8.40	65.583	0.00	0.76	5.563	O	|	|	|	|	8.10
60.500	0.00	0.78	5.886	O	|	|	|	|	8.40	65.667	0.00	0.76	5.558	O	|	|	|	|	8.10
60.583	0.00	0.78	5.881	O	|	|	|	|	8.39	65.750	0.00	0.76	5.552	O	|	|	|	|	8.09
60.667	0.00	0.78	5.876	O	|	|	|	|	8.39	65.833	0.00	0.76	5.547	O	|	|	|	|	8.09
60.750	0.00	0.78	5.870	O	|	|	|	|	8.38	65.917	0.00	0.76	5.542	O	|	|	|	|	8.09
60.833	0.00	0.78	5.865	O	|	|	|	|	8.38	66.000	0.00	0.76	5.537	O	|	|	|	|	8.08
60.917	0.00	0.77	5.860	O	|	|	|	|	8.37	66.083	0.00	0.76	5.531	O	|	|	|	|	8.08
61.000	0.00	0.77	5.854	O	|	|	|	|	8.37	66.167	0.00	0.76	5.526	O	|	|	|	|	8.07
61.083	0.00	0.77	5.849	O	|	|	|	|	8.36	66.250	0.00	0.76	5.521	O	|	|	|	|	8.07
61.167	0.00	0.77	5.844	O	|	|	|	|	8.36	66.333	0.00	0.76	5.516	O	|	|	|	|	8.06
61.250	0.00	0.77	5.838	O	|	|	|	|	8.36	66.417	0.00	0.76	5.510	O	|	|	|	|	8.06
61.333	0.00	0.77	5.833	O	|	|	|	|	8.35	66.500	0.00	0.76	5.505	O	|	|	|	|	8.05
61.417	0.00	0.77	5.828	O	|	|	|	|	8.35	66.583	0.00	0.76	5.500	O	|	|	|	|	8.05
61.500	0.00	0.77	5.822	O	|	|	|	|	8.34	66.667	0.00	0.76	5.495	O	|	|	|	|	8.04
61.583	0.00	0.77	5.817	O	|	|	|	|	8.34	66.750	0.00	0.76	5.489	O	|	|	|	|	8.04
61.667	0.00	0.77	5.812	O	|	|	|	|	8.33	66.833	0.00	0.76	5.484	O	|	|	|	|	8.03
61.750	0.00	0.77	5.806	O	|	|	|	|	8.33	66.917	0.00	0.76	5.479	O	|	|	|	|	8.03
61.833	0.00	0.77	5.801	O	|	|	|	|	8.32	67.000	0.00	0.76	5.474	O	|	|	|	|	8.02
61.917	0.00	0.77	5.796	O	|	|	|	|	8.32	67.083	0.00	0.76	5.468	O	|	|	|	|	8.02
62.000	0.00	0.77	5.790	O	|	|	|	|	8.31	67.167	0.00	0.76	5.463	O	|	|	|	|	8.01
62.083	0.00	0.77	5.785	O	|	|	|	|	8.31	67.250	0.00	0.76	5.458	O	|	|	|	|	8.01
62.167	0.00	0.77	5.780	O	|	|	|	|	8.30	67.333	0.00	0.76	5.453	O	|	|	|	|	8.00
62.250	0.00	0.77	5.774	O	|	|	|	|	8.30	67.417	0.00	0.76	5.447	O	|	|	|	|	8.00
62.333	0.00	0.77	5.769	O	|	|	|	|	8.29	67.500	0.00	0.76	5.442	O	|	|	|	|	7.99
62.417	0.00	0.77	5.764	O	|	|	|	|	8.29	67.583	0.00	0.76	5.437	O	|	|	|	|	7.99
62.500	0.00	0.77	5.758	O	|	|	|	|	8.28	67.667	0.00	0.76	5.432	O	|	|	|	|	7.98
62.583	0.00	0.77	5.753	O	|	|	|	|	8.28	67.750	0.00	0.76	5.426	O	|	|	|	|	7.98
62.667	0.00	0.77	5.748	O	|	|	|	|	8.27	67.833	0.00	0.76	5.421	O	|	|	|	|	7.97
62.750	0.00	0.77	5.743	O	|	|	|	|	8.27	67.917	0.00	0.76	5.416	O	|	|	|	|	7.97
62.833	0.00	0.77	5.737	O	|	|	|	|	8.26	68.000	0.00	0.76	5.411	O	|	|	|	|	7.96

68.083	0.00	0.76	5.406	O	|	|	|	|	7.96	73.250	0.00	0.74	5.085	O	|	|	|	|	7.64
68.167	0.00	0.76	5.400	O	|	|	|	|	7.95	73.333	0.00	0.74	5.080	O	|	|	|	|	7.63
68.250	0.00	0.76	5.395	O	|	|	|	|	7.95	73.417	0.00	0.74	5.075	O	|	|	|	|	7.63
68.333	0.00	0.76	5.390	O	|	|	|	|	7.94	73.500	0.00	0.74	5.070	O	|	|	|	|	7.62
68.417	0.00	0.76	5.385	O	|	|	|	|	7.94	73.583	0.00	0.74	5.065	O	|	|	|	|	7.62
68.500	0.00	0.76	5.379	O	|	|	|	|	7.93	73.667	0.00	0.74	5.060	O	|	|	|	|	7.61
68.583	0.00	0.76	5.374	O	|	|	|	|	7.93	73.750	0.00	0.74	5.055	O	|	|	|	|	7.60
68.667	0.00	0.76	5.369	O	|	|	|	|	7.92	73.833	0.00	0.74	5.050	O	|	|	|	|	7.60
68.750	0.00	0.76	5.364	O	|	|	|	|	7.92	73.917	0.00	0.74	5.045	O	|	|	|	|	7.59
68.833	0.00	0.76	5.359	O	|	|	|	|	7.91	74.000	0.00	0.74	5.039	O	|	|	|	|	7.59
68.917	0.00	0.76	5.353	O	|	|	|	|	7.90	74.083	0.00	0.74	5.034	O	|	|	|	|	7.58
69.000	0.00	0.75	5.348	O	|	|	|	|	7.90	74.167	0.00	0.74	5.029	O	|	|	|	|	7.58
69.083	0.00	0.75	5.343	O	|	|	|	|	7.89	74.250	0.00	0.74	5.024	O	|	|	|	|	7.57
69.167	0.00	0.75	5.338	O	|	|	|	|	7.89	74.333	0.00	0.74	5.019	O	|	|	|	|	7.57
69.250	0.00	0.75	5.333	O	|	|	|	|	7.88	74.417	0.00	0.74	5.014	O	|	|	|	|	7.56
69.333	0.00	0.75	5.327	O	|	|	|	|	7.88	74.500	0.00	0.74	5.009	O	|	|	|	|	7.56
69.417	0.00	0.75	5.322	O	|	|	|	|	7.87	74.583	0.00	0.74	5.004	O	|	|	|	|	7.55
69.500	0.00	0.75	5.317	O	|	|	|	|	7.87	74.667	0.00	0.74	4.999	O	|	|	|	|	7.55
69.583	0.00	0.75	5.312	O	|	|	|	|	7.86	74.750	0.00	0.74	4.994	O	|	|	|	|	7.54
69.667	0.00	0.75	5.307	O	|	|	|	|	7.86	74.833	0.00	0.74	4.989	O	|	|	|	|	7.54
69.750	0.00	0.75	5.302	O	|	|	|	|	7.85	74.917	0.00	0.74	4.984	O	|	|	|	|	7.53
69.833	0.00	0.75	5.296	O	|	|	|	|	7.85	75.000	0.00	0.74	4.978	O	|	|	|	|	7.53
69.917	0.00	0.75	5.291	O	|	|	|	|	7.84	75.083	0.00	0.74	4.973	O	|	|	|	|	7.52
70.000	0.00	0.75	5.286	O	|	|	|	|	7.84	75.167	0.00	0.74	4.968	O	|	|	|	|	7.52
70.083	0.00	0.75	5.281	O	|	|	|	|	7.83	75.250	0.00	0.74	4.963	O	|	|	|	|	7.51
70.167	0.00	0.75	5.276	O	|	|	|	|	7.83	75.333	0.00	0.74	4.958	O	|	|	|	|	7.51
70.250	0.00	0.75	5.270	O	|	|	|	|	7.82	75.417	0.00	0.74	4.953	O	|	|	|	|	7.50
70.333	0.00	0.75	5.265	O	|	|	|	|	7.82	75.500	0.00	0.73	4.948	O	|	|	|	|	7.50
70.417	0.00	0.75	5.260	O	|	|	|	|	7.81	75.583	0.00	0.73	4.943	O	|	|	|	|	7.49
70.500	0.00	0.75	5.255	O	|	|	|	|	7.81	75.667	0.00	0.73	4.938	O	|	|	|	|	7.49
70.583	0.00	0.75	5.250	O	|	|	|	|	7.80	75.750	0.00	0.73	4.933	O	|	|	|	|	7.48
70.667	0.00	0.75	5.245	O	|	|	|	|	7.80	75.833	0.00	0.73	4.928	O	|	|	|	|	7.48
70.750	0.00	0.75	5.239	O	|	|	|	|	7.79	75.917	0.00	0.73	4.923	O	|	|	|	|	7.47
70.833	0.00	0.75	5.234	O	|	|	|	|	7.79	76.000	0.00	0.73	4.918	O	|	|	|	|	7.47
70.917	0.00	0.75	5.229	O	|	|	|	|	7.78	76.083	0.00	0.73	4.913	O	|	|	|	|	7.46
71.000	0.00	0.75	5.224	O	|	|	|	|	7.77	76.167	0.00	0.73	4.908	O	|	|	|	|	7.46
71.083	0.00	0.75	5.219	O	|	|	|	|	7.77	76.250	0.00	0.73	4.903	O	|	|	|	|	7.45
71.167	0.00	0.75	5.214	O	|	|	|	|	7.76	76.333	0.00	0.73	4.898	O	|	|	|	|	7.45
71.250	0.00	0.75	5.209	O	|	|	|	|	7.76	76.417	0.00	0.73	4.893	O	|	|	|	|	7.44
71.333	0.00	0.75	5.203	O	|	|	|	|	7.75	76.500	0.00	0.73	4.887	O	|	|	|	|	7.44
71.417	0.00	0.75	5.198	O	|	|	|	|	7.75	76.583	0.00	0.73	4.882	O	|	|	|	|	7.43
71.500	0.00	0.75	5.193	O	|	|	|	|	7.74	76.667	0.00	0.73	4.877	O	|	|	|	|	7.43
71.583	0.00	0.75	5.188	O	|	|	|	|	7.74	76.750	0.00	0.73	4.872	O	|	|	|	|	7.42
71.667	0.00	0.75	5.183	O	|	|	|	|	7.73	76.833	0.00	0.73	4.867	O	|	|	|	|	7.42
71.750	0.00	0.75	5.178	O	|	|	|	|	7.73	76.917	0.00	0.73	4.862	O	|	|	|	|	7.41
71.833	0.00	0.75	5.172	O	|	|	|	|	7.72	77.000	0.00	0.73	4.857	O	|	|	|	|	7.41
71.917	0.00	0.75	5.167	O	|	|	|	|	7.72	77.083	0.00	0.73	4.852	O	|	|	|	|	7.40
72.000	0.00	0.75	5.162	O	|	|	|	|	7.71	77.167	0.00	0.73	4.847	O	|	|	|	|	7.40
72.083	0.00	0.75	5.157	O	|	|	|	|	7.71	77.250	0.00	0.73	4.842	O	|	|	|	|	7.39
72.167	0.00	0.75	5.152	O	|	|	|	|	7.70	77.333	0.00	0.73	4.837	O	|	|	|	|	7.39
72.250	0.00	0.74	5.147	O	|	|	|	|	7.70	77.417	0.00	0.73	4.832	O	|	|	|	|	7.38
72.333	0.00	0.74	5.142	O	|	|	|	|	7.69	77.500	0.00	0.73	4.827	O	|	|	|	|	7.38
72.417	0.00	0.74	5.137	O	|	|	|	|	7.69	77.583	0.00	0.73	4.822	O	|	|	|	|	7.37
72.500	0.00	0.74	5.131	O	|	|	|	|	7.68	77.667	0.00	0.73	4.817	O	|	|	|	|	7.37
72.583	0.00	0.74	5.126	O	|	|	|	|	7.68	77.750	0.00	0.73	4.812	O	|	|	|	|	7.36
72.667	0.00	0.74	5.121	O	|	|	|	|	7.67	77.833	0.00	0.73	4.807	O	|	|	|	|	7.36
72.750	0.00	0.74	5.116	O	|	|	|	|	7.67	77.917	0.00	0.73	4.802	O	|	|	|	|	7.35
72.833	0.00	0.74	5.111	O	|	|	|	|	7.66	78.000	0.00	0.73	4.797	O	|	|	|	|	7.35
72.917	0.00	0.74	5.106	O	|	|	|	|	7.66	78.083	0.00	0.73	4.792	O	|	|	|	|	7.34
73.000	0.00	0.74	5.101	O	|	|	|	|	7.65	78.167	0.00	0.73	4.787	O	|	|	|	|	7.34
73.083	0.00	0.74	5.096	O	|	|	|	|	7.65	78.250	0.00	0.73	4.782	O	|	|	|	|	7.33
73.167	0.00	0.74	5.090	O	|	|	|	|	7.64	78.333	0.00	0.73	4.777	O	|	|	|	|	7.33

78.417	0.00	0.73	4.772	O	|	|	|	|	7.32	83.583	0.00	0.71	4.465	O	|	|	|	|	7.01
78.500	0.00	0.73	4.767	O	|	|	|	|	7.32	83.667	0.00	0.71	4.460	O	|	|	|	|	7.01
78.583	0.00	0.73	4.762	O	|	|	|	|	7.31	83.750	0.00	0.71	4.456	O	|	|	|	|	7.00
78.667	0.00	0.73	4.757	O	|	|	|	|	7.31	83.833	0.00	0.71	4.451	O	|	|	|	|	7.00
78.750	0.00	0.73	4.752	O	|	|	|	|	7.30	83.917	0.00	0.71	4.446	O	|	|	|	|	6.99
78.833	0.00	0.72	4.747	O	|	|	|	|	7.30	84.000	0.00	0.71	4.441	O	|	|	|	|	6.99
78.917	0.00	0.72	4.742	O	|	|	|	|	7.29	84.083	0.00	0.71	4.436	O	|	|	|	|	6.98
79.000	0.00	0.72	4.737	O	|	|	|	|	7.29	84.167	0.00	0.71	4.431	O	|	|	|	|	6.98
79.083	0.00	0.72	4.732	O	|	|	|	|	7.28	84.250	0.00	0.71	4.426	O	|	|	|	|	6.97
79.167	0.00	0.72	4.727	O	|	|	|	|	7.28	84.333	0.00	0.71	4.421	O	|	|	|	|	6.96
79.250	0.00	0.72	4.722	O	|	|	|	|	7.27	84.417	0.00	0.71	4.416	O	|	|	|	|	6.96
79.333	0.00	0.72	4.717	O	|	|	|	|	7.27	84.500	0.00	0.71	4.412	O	|	|	|	|	6.95
79.417	0.00	0.72	4.712	O	|	|	|	|	7.26	84.583	0.00	0.71	4.407	O	|	|	|	|	6.95
79.500	0.00	0.72	4.707	O	|	|	|	|	7.26	84.667	0.00	0.71	4.402	O	|	|	|	|	6.94
79.583	0.00	0.72	4.702	O	|	|	|	|	7.25	84.750	0.00	0.71	4.397	O	|	|	|	|	6.94
79.667	0.00	0.72	4.697	O	|	|	|	|	7.25	84.833	0.00	0.71	4.392	O	|	|	|	|	6.93
79.750	0.00	0.72	4.692	O	|	|	|	|	7.24	84.917	0.00	0.71	4.387	O	|	|	|	|	6.93
79.833	0.00	0.72	4.687	O	|	|	|	|	7.24	85.000	0.00	0.71	4.382	O	|	|	|	|	6.92
79.917	0.00	0.72	4.682	O	|	|	|	|	7.23	85.083	0.00	0.71	4.378	O	|	|	|	|	6.92
80.000	0.00	0.72	4.677	O	|	|	|	|	7.23	85.167	0.00	0.71	4.373	O	|	|	|	|	6.91
80.083	0.00	0.72	4.672	O	|	|	|	|	7.22	85.250	0.00	0.71	4.368	O	|	|	|	|	6.90
80.167	0.00	0.72	4.667	O	|	|	|	|	7.22	85.333	0.00	0.70	4.363	O	|	|	|	|	6.90
80.250	0.00	0.72	4.662	O	|	|	|	|	7.21	85.417	0.00	0.70	4.358	O	|	|	|	|	6.89
80.333	0.00	0.72	4.657	O	|	|	|	|	7.21	85.500	0.00	0.70	4.353	O	|	|	|	|	6.89
80.417	0.00	0.72	4.653	O	|	|	|	|	7.20	85.583	0.00	0.70	4.348	O	|	|	|	|	6.88
80.500	0.00	0.72	4.648	O	|	|	|	|	7.20	85.667	0.00	0.70	4.344	O	|	|	|	|	6.88
80.583	0.00	0.72	4.643	O	|	|	|	|	7.19	85.750	0.00	0.70	4.339	O	|	|	|	|	6.87
80.667	0.00	0.72	4.638	O	|	|	|	|	7.19	85.833	0.00	0.70	4.334	O	|	|	|	|	6.87
80.750	0.00	0.72	4.633	O	|	|	|	|	7.18	85.917	0.00	0.70	4.329	O	|	|	|	|	6.86
80.833	0.00	0.72	4.628	O	|	|	|	|	7.18	86.000	0.00	0.70	4.324	O	|	|	|	|	6.86
80.917	0.00	0.72	4.623	O	|	|	|	|	7.17	86.083	0.00	0.70	4.319	O	|	|	|	|	6.85
81.000	0.00	0.72	4.618	O	|	|	|	|	7.17	86.167	0.00	0.70	4.314	O	|	|	|	|	6.85
81.083	0.00	0.72	4.613	O	|	|	|	|	7.16	86.250	0.00	0.70	4.310	O	|	|	|	|	6.84
81.167	0.00	0.72	4.608	O	|	|	|	|	7.16	86.333	0.00	0.70	4.305	O	|	|	|	|	6.83
81.250	0.00	0.72	4.603	O	|	|	|	|	7.15	86.417	0.00	0.70	4.300	O	|	|	|	|	6.83
81.333	0.00	0.72	4.598	O	|	|	|	|	7.15	86.500	0.00	0.70	4.295	O	|	|	|	|	6.82
81.417	0.00	0.72	4.593	O	|	|	|	|	7.14	86.583	0.00	0.70	4.290	O	|	|	|	|	6.82
81.500	0.00	0.72	4.588	O	|	|	|	|	7.14	86.667	0.00	0.70	4.285	O	|	|	|	|	6.81
81.583	0.00	0.72	4.583	O	|	|	|	|	7.13	86.750	0.00	0.70	4.281	O	|	|	|	|	6.81
81.667	0.00	0.72	4.578	O	|	|	|	|	7.13	86.833	0.00	0.70	4.276	O	|	|	|	|	6.80
81.750	0.00	0.72	4.573	O	|	|	|	|	7.12	86.917	0.00	0.70	4.271	O	|	|	|	|	6.80
81.833	0.00	0.72	4.568	O	|	|	|	|	7.12	87.000	0.00	0.70	4.266	O	|	|	|	|	6.79
81.917	0.00	0.72	4.564	O	|	|	|	|	7.11	87.083	0.00	0.70	4.261	O	|	|	|	|	6.79
82.000	0.00	0.72	4.559	O	|	|	|	|	7.11	87.167	0.00	0.70	4.257	O	|	|	|	|	6.78
82.083	0.00	0.72	4.554	O	|	|	|	|	7.10	87.250	0.00	0.70	4.252	O	|	|	|	|	6.78
82.167	0.00	0.71	4.549	O	|	|	|	|	7.10	87.333	0.00	0.70	4.247	O	|	|	|	|	6.77
82.250	0.00	0.71	4.544	O	|	|	|	|	7.09	87.417	0.00	0.70	4.242	O	|	|	|	|	6.76
82.333	0.00	0.71	4.539	O	|	|	|	|	7.09	87.500	0.00	0.70	4.237	O	|	|	|	|	6.76
82.417	0.00	0.71	4.534	O	|	|	|	|	7.08	87.583	0.00	0.70	4.233	O	|	|	|	|	6.75
82.500	0.00	0.71	4.529	O	|	|	|	|	7.08	87.667	0.00	0.70	4.228	O	|	|	|	|	6.75
82.583	0.00	0.71	4.524	O	|	|	|	|	7.07	87.750	0.00	0.70	4.223	O	|	|	|	|	6.74
82.667	0.00	0.71	4.519	O	|	|	|	|	7.07	87.833	0.00	0.70	4.218	O	|	|	|	|	6.74
82.750	0.00	0.71	4.514	O	|	|	|	|	7.06	87.917	0.00	0.70	4.213	O	|	|	|	|	6.73
82.833	0.00	0.71	4.509	O	|	|	|	|	7.06	88.000	0.00	0.70	4.209	O	|	|	|	|	6.73
82.917	0.00	0.71	4.505	O	|	|	|	|	7.05	88.083	0.00	0.70	4.204	O	|	|	|	|	6.72
83.000	0.00	0.71	4.500	O	|	|	|	|	7.05	88.167	0.00	0.70	4.199	O	|	|	|	|	6.72
83.083	0.00	0.71	4.495	O	|	|	|	|	7.04	88.250	0.00	0.70	4.194	O	|	|	|	|	6.71
83.167	0.00	0.71	4.490	O	|	|	|	|	7.04	88.333	0.00	0.70	4.189	O	|	|	|	|	6.71
83.250	0.00	0.71	4.485	O	|	|	|	|	7.03	88.417	0.00	0.70	4.185	O	|	|	|	|	6.70
83.333	0.00	0.71	4.480	O	|	|	|	|	7.03	88.500	0.00	0.69	4.180	O	|	|	|	|	6.70
83.417	0.00	0.71	4.475	O	|	|	|	|	7.02	88.583	0.00	0.69	4.175	O	|	|	|	|	6.69
83.500	0.00	0.71	4.470	O	|	|	|	|	7.02	88.667	0.00	0.69	4.170	O	|	|	|	|	6.68

88.750	0.00	0.69	4.165	O	|	|	|	|	6.68	93.917	0.00	0.68	3.873	O	|	|	|	|	6.35
88.833	0.00	0.69	4.161	O	|	|	|	|	6.67	94.000	0.00	0.68	3.868	O	|	|	|	|	6.35
88.917	0.00	0.69	4.156	O	|	|	|	|	6.67	94.083	0.00	0.68	3.863	O	|	|	|	|	6.34
89.000	0.00	0.69	4.151	O	|	|	|	|	6.66	94.167	0.00	0.68	3.859	O	|	|	|	|	6.34
89.083	0.00	0.69	4.146	O	|	|	|	|	6.66	94.250	0.00	0.68	3.854	O	|	|	|	|	6.33
89.167	0.00	0.69	4.142	O	|	|	|	|	6.65	94.333	0.00	0.68	3.849	O	|	|	|	|	6.33
89.250	0.00	0.69	4.137	O	|	|	|	|	6.65	94.417	0.00	0.68	3.845	O	|	|	|	|	6.32
89.333	0.00	0.69	4.132	O	|	|	|	|	6.64	94.500	0.00	0.68	3.840	O	|	|	|	|	6.32
89.417	0.00	0.69	4.127	O	|	|	|	|	6.64	94.583	0.00	0.68	3.835	O	|	|	|	|	6.31
89.500	0.00	0.69	4.122	O	|	|	|	|	6.63	94.667	0.00	0.68	3.831	O	|	|	|	|	6.31
89.583	0.00	0.69	4.118	O	|	|	|	|	6.63	94.750	0.00	0.68	3.826	O	|	|	|	|	6.30
89.667	0.00	0.69	4.113	O	|	|	|	|	6.62	94.833	0.00	0.67	3.821	O	|	|	|	|	6.30
89.750	0.00	0.69	4.108	O	|	|	|	|	6.62	94.917	0.00	0.67	3.817	O	|	|	|	|	6.29
89.833	0.00	0.69	4.103	O	|	|	|	|	6.61	95.000	0.00	0.67	3.812	O	|	|	|	|	6.28
89.917	0.00	0.69	4.099	O	|	|	|	|	6.60	95.083	0.00	0.67	3.807	O	|	|	|	|	6.28
90.000	0.00	0.69	4.094	O	|	|	|	|	6.60	95.167	0.00	0.67	3.803	O	|	|	|	|	6.27
90.083	0.00	0.69	4.089	O	|	|	|	|	6.59	95.250	0.00	0.67	3.798	O	|	|	|	|	6.27
90.167	0.00	0.69	4.084	O	|	|	|	|	6.59	95.333	0.00	0.67	3.794	O	|	|	|	|	6.26
90.250	0.00	0.69	4.080	O	|	|	|	|	6.58	95.417	0.00	0.67	3.789	O	|	|	|	|	6.26
90.333	0.00	0.69	4.075	O	|	|	|	|	6.58	95.500	0.00	0.67	3.784	O	|	|	|	|	6.25
90.417	0.00	0.69	4.070	O	|	|	|	|	6.57	95.583	0.00	0.67	3.780	O	|	|	|	|	6.25
90.500	0.00	0.69	4.065	O	|	|	|	|	6.57	95.667	0.00	0.67	3.775	O	|	|	|	|	6.24
90.583	0.00	0.69	4.061	O	|	|	|	|	6.56	95.750	0.00	0.67	3.770	O	|	|	|	|	6.24
90.667	0.00	0.69	4.056	O	|	|	|	|	6.56	95.833	0.00	0.67	3.766	O	|	|	|	|	6.23
90.750	0.00	0.69	4.051	O	|	|	|	|	6.55	95.917	0.00	0.67	3.761	O	|	|	|	|	6.23
90.833	0.00	0.69	4.047	O	|	|	|	|	6.55	96.000	0.00	0.67	3.757	O	|	|	|	|	6.22
90.917	0.00	0.69	4.042	O	|	|	|	|	6.54	96.083	0.00	0.67	3.752	O	|	|	|	|	6.22
91.000	0.00	0.69	4.037	O	|	|	|	|	6.54	96.167	0.00	0.67	3.747	O	|	|	|	|	6.21
91.083	0.00	0.69	4.032	O	|	|	|	|	6.53	96.250	0.00	0.67	3.743	O	|	|	|	|	6.21
91.167	0.00	0.69	4.028	O	|	|	|	|	6.53	96.333	0.00	0.67	3.738	O	|	|	|	|	6.20
91.250	0.00	0.69	4.023	O	|	|	|	|	6.52	96.417	0.00	0.67	3.733	O	|	|	|	|	6.20
91.333	0.00	0.69	4.018	O	|	|	|	|	6.51	96.500	0.00	0.67	3.729	O	|	|	|	|	6.19
91.417	0.00	0.69	4.013	O	|	|	|	|	6.51	96.583	0.00	0.67	3.724	O	|	|	|	|	6.19
91.500	0.00	0.69	4.009	O	|	|	|	|	6.50	96.667	0.00	0.67	3.720	O	|	|	|	|	6.18
91.583	0.00	0.68	4.004	O	|	|	|	|	6.50	96.750	0.00	0.67	3.715	O	|	|	|	|	6.18
91.667	0.00	0.68	3.999	O	|	|	|	|	6.49	96.833	0.00	0.67	3.710	O	|	|	|	|	6.17
91.750	0.00	0.68	3.995	O	|	|	|	|	6.49	96.917	0.00	0.67	3.706	O	|	|	|	|	6.17
91.833	0.00	0.68	3.990	O	|	|	|	|	6.48	97.000	0.00	0.67	3.701	O	|	|	|	|	6.16
91.917	0.00	0.68	3.985	O	|	|	|	|	6.48	97.083	0.00	0.67	3.697	O	|	|	|	|	6.16
92.000	0.00	0.68	3.980	O	|	|	|	|	6.47	97.167	0.00	0.67	3.692	O	|	|	|	|	6.15
92.083	0.00	0.68	3.976	O	|	|	|	|	6.47	97.250	0.00	0.67	3.687	O	|	|	|	|	6.15
92.167	0.00	0.68	3.971	O	|	|	|	|	6.46	97.333	0.00	0.67	3.683	O	|	|	|	|	6.14
92.250	0.00	0.68	3.966	O	|	|	|	|	6.46	97.417	0.00	0.67	3.678	O	|	|	|	|	6.14
92.333	0.00	0.68	3.962	O	|	|	|	|	6.45	97.500	0.00	0.67	3.674	O	|	|	|	|	6.13
92.417	0.00	0.68	3.957	O	|	|	|	|	6.45	97.583	0.00	0.67	3.669	O	|	|	|	|	6.13
92.500	0.00	0.68	3.952	O	|	|	|	|	6.44	97.667	0.00	0.67	3.664	O	|	|	|	|	6.12
92.583	0.00	0.68	3.948	O	|	|	|	|	6.44	97.750	0.00	0.67	3.660	O	|	|	|	|	6.11
92.667	0.00	0.68	3.943	O	|	|	|	|	6.43	97.833	0.00	0.67	3.655	O	|	|	|	|	6.11
92.750	0.00	0.68	3.938	O	|	|	|	|	6.43	97.917	0.00	0.67	3.651	O	|	|	|	|	6.10
92.833	0.00	0.68	3.933	O	|	|	|	|	6.42	98.000	0.00	0.66	3.646	O	|	|	|	|	6.10
92.917	0.00	0.68	3.929	O	|	|	|	|	6.41	98.083	0.00	0.66	3.642	O	|	|	|	|	6.09
93.000	0.00	0.68	3.924	O	|	|	|	|	6.41	98.167	0.00	0.66	3.637	O	|	|	|	|	6.09
93.083	0.00	0.68	3.919	O	|	|	|	|	6.40	98.250	0.00	0.66	3.632	O	|	|	|	|	6.08
93.167	0.00	0.68	3.915	O	|	|	|	|	6.40	98.333	0.00	0.66	3.628	O	|	|	|	|	6.08
93.250	0.00	0.68	3.910	O	|	|	|	|	6.39	98.417	0.00	0.66	3.623	O	|	|	|	|	6.07
93.333	0.00	0.68	3.905	O	|	|	|	|	6.39	98.500	0.00	0.66	3.619	O	|	|	|	|	6.07
93.417	0.00	0.68	3.901	O	|	|	|	|	6.38	98.583	0.00	0.66	3.614	O	|	|	|	|	6.06
93.500	0.00	0.68	3.896	O	|	|	|	|	6.38	98.667	0.00	0.66	3.610	O	|	|	|	|	6.06
93.583	0.00	0.68	3.891	O	|	|	|	|	6.37	98.750	0.00	0.66	3.605	O	|	|	|	|	6.05
93.667	0.00	0.68	3.887	O	|	|	|	|	6.37	98.833	0.00	0.66	3.600	O	|	|	|	|	6.05
93.750	0.00	0.68	3.882	O	|	|	|	|	6.36	98.917	0.00	0.66	3.596	O	|	|	|	|	6.04
93.833	0.00	0.68	3.877	O	|	|	|	|	6.36	99.000	0.00	0.66	3.591	O	|	|	|	|	6.04

99.083	0.00	0.66	3.587	O	|	|	|	|	6.03	104.250	0.00	0.64	3.308	O	|	|	|	|	5.69
99.167	0.00	0.66	3.582	O	|	|	|	|	6.03	104.333	0.00	0.64	3.304	O	|	|	|	|	5.68
99.250	0.00	0.66	3.578	O	|	|	|	|	6.02	104.417	0.00	0.64	3.300	O	|	|	|	|	5.68
99.333	0.00	0.66	3.573	O	|	|	|	|	6.02	104.500	0.00	0.64	3.295	O	|	|	|	|	5.67
99.417	0.00	0.66	3.568	O	|	|	|	|	6.01	104.583	0.00	0.64	3.291	O	|	|	|	|	5.67
99.500	0.00	0.66	3.564	O	|	|	|	|	6.01	104.667	0.00	0.64	3.286	O	|	|	|	|	5.66
99.583	0.00	0.66	3.559	O	|	|	|	|	6.00	104.750	0.00	0.64	3.282	O	|	|	|	|	5.66
99.667	0.00	0.66	3.555	O	|	|	|	|	6.00	104.833	0.00	0.64	3.278	O	|	|	|	|	5.65
99.750	0.00	0.66	3.550	O	|	|	|	|	5.99	104.917	0.00	0.64	3.273	O	|	|	|	|	5.65
99.833	0.00	0.66	3.546	O	|	|	|	|	5.99	105.000	0.00	0.64	3.269	O	|	|	|	|	5.64
99.917	0.00	0.66	3.541	O	|	|	|	|	5.98	105.083	0.00	0.64	3.264	O	|	|	|	|	5.63
100.000	0.00	0.66	3.537	O	|	|	|	|	5.97	105.167	0.00	0.64	3.260	O	|	|	|	|	5.63
100.083	0.00	0.66	3.532	O	|	|	|	|	5.97	105.250	0.00	0.64	3.256	O	|	|	|	|	5.62
100.167	0.00	0.66	3.528	O	|	|	|	|	5.96	105.333	0.00	0.64	3.251	O	|	|	|	|	5.62
100.250	0.00	0.66	3.523	O	|	|	|	|	5.96	105.417	0.00	0.64	3.247	O	|	|	|	|	5.61
100.333	0.00	0.66	3.519	O	|	|	|	|	5.95	105.500	0.00	0.64	3.242	O	|	|	|	|	5.61
100.417	0.00	0.66	3.514	O	|	|	|	|	5.95	105.583	0.00	0.64	3.238	O	|	|	|	|	5.60
100.500	0.00	0.66	3.510	O	|	|	|	|	5.94	105.667	0.00	0.64	3.234	O	|	|	|	|	5.60
100.583	0.00	0.66	3.505	O	|	|	|	|	5.94	105.750	0.00	0.64	3.229	O	|	|	|	|	5.59
100.667	0.00	0.66	3.500	O	|	|	|	|	5.93	105.833	0.00	0.64	3.225	O	|	|	|	|	5.58
100.750	0.00	0.66	3.496	O	|	|	|	|	5.92	105.917	0.00	0.63	3.221	O	|	|	|	|	5.58
100.833	0.00	0.66	3.491	O	|	|	|	|	5.92	106.000	0.00	0.63	3.216	O	|	|	|	|	5.57
100.917	0.00	0.65	3.487	O	|	|	|	|	5.91	106.083	0.00	0.63	3.212	O	|	|	|	|	5.57
101.000	0.00	0.65	3.482	O	|	|	|	|	5.91	106.167	0.00	0.63	3.207	O	|	|	|	|	5.56
101.083	0.00	0.65	3.478	O	|	|	|	|	5.90	106.250	0.00	0.63	3.203	O	|	|	|	|	5.56
101.167	0.00	0.65	3.473	O	|	|	|	|	5.90	106.333	0.00	0.63	3.199	O	|	|	|	|	5.55
101.250	0.00	0.65	3.469	O	|	|	|	|	5.89	106.417	0.00	0.63	3.194	O	|	|	|	|	5.55
101.333	0.00	0.65	3.464	O	|	|	|	|	5.88	106.500	0.00	0.63	3.190	O	|	|	|	|	5.54
101.417	0.00	0.65	3.460	O	|	|	|	|	5.88	106.583	0.00	0.63	3.186	O	|	|	|	|	5.54
101.500	0.00	0.65	3.455	O	|	|	|	|	5.87	106.667	0.00	0.63	3.181	O	|	|	|	|	5.53
101.583	0.00	0.65	3.451	O	|	|	|	|	5.87	106.750	0.00	0.63	3.177	O	|	|	|	|	5.52
101.667	0.00	0.65	3.446	O	|	|	|	|	5.86	106.833	0.00	0.63	3.173	O	|	|	|	|	5.52
101.750	0.00	0.65	3.442	O	|	|	|	|	5.86	106.917	0.00	0.63	3.168	O	|	|	|	|	5.51
101.833	0.00	0.65	3.437	O	|	|	|	|	5.85	107.000	0.00	0.63	3.164	O	|	|	|	|	5.51
101.917	0.00	0.65	3.433	O	|	|	|	|	5.85	107.083	0.00	0.63	3.160	O	|	|	|	|	5.50
102.000	0.00	0.65	3.429	O	|	|	|	|	5.84	107.167	0.00	0.63	3.155	O	|	|	|	|	5.50
102.083	0.00	0.65	3.424	O	|	|	|	|	5.83	107.250	0.00	0.63	3.151	O	|	|	|	|	5.49
102.167	0.00	0.65	3.420	O	|	|	|	|	5.83	107.333	0.00	0.63	3.147	O	|	|	|	|	5.49
102.250	0.00	0.65	3.415	O	|	|	|	|	5.82	107.417	0.00	0.63	3.142	O	|	|	|	|	5.48
102.333	0.00	0.65	3.411	O	|	|	|	|	5.82	107.500	0.00	0.63	3.138	O	|	|	|	|	5.48
102.417	0.00	0.65	3.406	O	|	|	|	|	5.81	107.583	0.00	0.63	3.134	O	|	|	|	|	5.47
102.500	0.00	0.65	3.402	O	|	|	|	|	5.81	107.667	0.00	0.63	3.129	O	|	|	|	|	5.47
102.583	0.00	0.65	3.397	O	|	|	|	|	5.80	107.750	0.00	0.63	3.125	O	|	|	|	|	5.46
102.667	0.00	0.65	3.393	O	|	|	|	|	5.79	107.833	0.00	0.63	3.121	O	|	|	|	|	5.45
102.750	0.00	0.65	3.388	O	|	|	|	|	5.79	107.917	0.00	0.63	3.116	O	|	|	|	|	5.45
102.833	0.00	0.65	3.384	O	|	|	|	|	5.78	108.000	0.00	0.63	3.112	O	|	|	|	|	5.44
102.917	0.00	0.65	3.379	O	|	|	|	|	5.78	108.083	0.00	0.63	3.108	O	|	|	|	|	5.44
103.000	0.00	0.65	3.375	O	|	|	|	|	5.77	108.167	0.00	0.63	3.103	O	|	|	|	|	5.43
103.083	0.00	0.65	3.370	O	|	|	|	|	5.77	108.250	0.00	0.63	3.099	O	|	|	|	|	5.43
103.167	0.00	0.65	3.366	O	|	|	|	|	5.76	108.333	0.00	0.63	3.095	O	|	|	|	|	5.42
103.250	0.00	0.65	3.362	O	|	|	|	|	5.76	108.417	0.00	0.63	3.090	O	|	|	|	|	5.42
103.333	0.00	0.65	3.357	O	|	|	|	|	5.75	108.500	0.00	0.62	3.086	O	|	|	|	|	5.41
103.417	0.00	0.64	3.353	O	|	|	|	|	5.74	108.583	0.00	0.62	3.082	O	|	|	|	|	5.41
103.500	0.00	0.64	3.348	O	|	|	|	|	5.74	108.667	0.00	0.62	3.077	O	|	|	|	|	5.40
103.583	0.00	0.64	3.344	O	|	|	|	|	5.73	108.750	0.00	0.62	3.073	O	|	|	|	|	5.40
103.667	0.00	0.64	3.339	O	|	|	|	|	5.73	108.833	0.00	0.62	3.069	O	|	|	|	|	5.39
103.750	0.00	0.64	3.335	O	|	|	|	|	5.72	108.917	0.00	0.62	3.065	O	|	|	|	|	5.38
103.833	0.00	0.64	3.331	O	|	|	|	|	5.72	109.000	0.00	0.62	3.060	O	|	|	|	|	5.38
103.917	0.00	0.64	3.326	O	|	|	|	|	5.71	109.083	0.00	0.62	3.056	O	|	|	|	|	5.37
104.000	0.00	0.64	3.322	O	|	|	|	|	5.71	109.167	0.00	0.62	3.052	O	|	|	|	|	5.37
104.083	0.00	0.64	3.317	O	|	|	|	|	5.70	109.250	0.00	0.62	3.047	O	|	|	|	|	5.36
104.167	0.00	0.64	3.313	O	|	|	|	|	5.69	109.333	0.00	0.62	3.043	O	|	|	|	|	5.36

109.417	0.00	0.62	3.039	O	|	|	|	|	5.35	114.583	0.00	0.60	2.778	O	|	|	|	|	5.03
109.500	0.00	0.62	3.035	O	|	|	|	|	5.35	114.667	0.00	0.60	2.774	O	|	|	|	|	5.02
109.583	0.00	0.62	3.030	O	|	|	|	|	5.34	114.750	0.00	0.60	2.770	O	|	|	|	|	5.02
109.667	0.00	0.62	3.026	O	|	|	|	|	5.34	114.833	0.00	0.60	2.765	O	|	|	|	|	5.01
109.750	0.00	0.62	3.022	O	|	|	|	|	5.33	114.917	0.00	0.60	2.761	O	|	|	|	|	5.01
109.833	0.00	0.62	3.018	O	|	|	|	|	5.33	115.000	0.00	0.60	2.757	O	|	|	|	|	5.00
109.917	0.00	0.62	3.013	O	|	|	|	|	5.32	115.083	0.00	0.60	2.753	O	|	|	|	|	4.99
110.000	0.00	0.62	3.009	O	|	|	|	|	5.32	115.167	0.00	0.60	2.749	O	|	|	|	|	4.99
110.083	0.00	0.62	3.005	O	|	|	|	|	5.31	115.250	0.00	0.60	2.745	O	|	|	|	|	4.98
110.167	0.00	0.62	3.000	O	|	|	|	|	5.30	115.333	0.00	0.60	2.741	O	|	|	|	|	4.98
110.250	0.00	0.62	2.996	O	|	|	|	|	5.30	115.417	0.00	0.60	2.737	O	|	|	|	|	4.97
110.333	0.00	0.62	2.992	O	|	|	|	|	5.29	115.500	0.00	0.60	2.732	O	|	|	|	|	4.97
110.417	0.00	0.62	2.988	O	|	|	|	|	5.29	115.583	0.00	0.60	2.728	O	|	|	|	|	4.96
110.500	0.00	0.62	2.983	O	|	|	|	|	5.28	115.667	0.00	0.60	2.724	O	|	|	|	|	4.95
110.583	0.00	0.62	2.979	O	|	|	|	|	5.28	115.750	0.00	0.60	2.720	O	|	|	|	|	4.95
110.667	0.00	0.62	2.975	O	|	|	|	|	5.27	115.833	0.00	0.60	2.716	O	|	|	|	|	4.94
110.750	0.00	0.62	2.971	O	|	|	|	|	5.27	115.917	0.00	0.60	2.712	O	|	|	|	|	4.94
110.833	0.00	0.62	2.967	O	|	|	|	|	5.26	116.000	0.00	0.60	2.708	O	|	|	|	|	4.93
110.917	0.00	0.62	2.962	O	|	|	|	|	5.26	116.083	0.00	0.59	2.704	O	|	|	|	|	4.93
111.000	0.00	0.62	2.958	O	|	|	|	|	5.25	116.167	0.00	0.59	2.700	O	|	|	|	|	4.92
111.083	0.00	0.61	2.954	O	|	|	|	|	5.25	116.250	0.00	0.59	2.696	O	|	|	|	|	4.91
111.167	0.00	0.61	2.950	O	|	|	|	|	5.24	116.333	0.00	0.59	2.691	O	|	|	|	|	4.91
111.250	0.00	0.61	2.945	O	|	|	|	|	5.24	116.417	0.00	0.59	2.687	O	|	|	|	|	4.90
111.333	0.00	0.61	2.941	O	|	|	|	|	5.23	116.500	0.00	0.59	2.683	O	|	|	|	|	4.90
111.417	0.00	0.61	2.937	O	|	|	|	|	5.22	116.583	0.00	0.59	2.679	O	|	|	|	|	4.89
111.500	0.00	0.61	2.933	O	|	|	|	|	5.22	116.667	0.00	0.59	2.675	O	|	|	|	|	4.88
111.583	0.00	0.61	2.928	O	|	|	|	|	5.21	116.750	0.00	0.59	2.671	O	|	|	|	|	4.88
111.667	0.00	0.61	2.924	O	|	|	|	|	5.21	116.833	0.00	0.59	2.667	O	|	|	|	|	4.87
111.750	0.00	0.61	2.920	O	|	|	|	|	5.20	116.917	0.00	0.59	2.663	O	|	|	|	|	4.87
111.833	0.00	0.61	2.916	O	|	|	|	|	5.20	117.000	0.00	0.59	2.659	O	|	|	|	|	4.86
111.917	0.00	0.61	2.912	O	|	|	|	|	5.19	117.083	0.00	0.59	2.655	O	|	|	|	|	4.86
112.000	0.00	0.61	2.907	O	|	|	|	|	5.19	117.167	0.00	0.59	2.651	O	|	|	|	|	4.85
112.083	0.00	0.61	2.903	O	|	|	|	|	5.18	117.250	0.00	0.59	2.647	O	|	|	|	|	4.84
112.167	0.00	0.61	2.899	O	|	|	|	|	5.18	117.333	0.00	0.59	2.643	O	|	|	|	|	4.84
112.250	0.00	0.61	2.895	O	|	|	|	|	5.17	117.417	0.00	0.59	2.639	O	|	|	|	|	4.83
112.333	0.00	0.61	2.891	O	|	|	|	|	5.17	117.500	0.00	0.59	2.634	O	|	|	|	|	4.83
112.417	0.00	0.61	2.886	O	|	|	|	|	5.16	117.583	0.00	0.59	2.630	O	|	|	|	|	4.82
112.500	0.00	0.61	2.882	O	|	|	|	|	5.16	117.667	0.00	0.59	2.626	O	|	|	|	|	4.82
112.583	0.00	0.61	2.878	O	|	|	|	|	5.15	117.750	0.00	0.59	2.622	O	|	|	|	|	4.81
112.667	0.00	0.61	2.874	O	|	|	|	|	5.15	117.833	0.00	0.59	2.618	O	|	|	|	|	4.81
112.750	0.00	0.61	2.870	O	|	|	|	|	5.14	117.917	0.00	0.59	2.614	O	|	|	|	|	4.80
112.833	0.00	0.61	2.865	O	|	|	|	|	5.14	118.000	0.00	0.59	2.610	O	|	|	|	|	4.79
112.917	0.00	0.61	2.861	O	|	|	|	|	5.13	118.083	0.00	0.59	2.606	O	|	|	|	|	4.79
113.000	0.00	0.61	2.857	O	|	|	|	|	5.12	118.167	0.00	0.58	2.602	O	|	|	|	|	4.78
113.083	0.00	0.61	2.853	O	|	|	|	|	5.12	118.250	0.00	0.58	2.598	O	|	|	|	|	4.78
113.167	0.00	0.61	2.849	O	|	|	|	|	5.11	118.333	0.00	0.58	2.594	O	|	|	|	|	4.77
113.250	0.00	0.61	2.844	O	|	|	|	|	5.11	118.417	0.00	0.58	2.590	O	|	|	|	|	4.77
113.333	0.00	0.61	2.840	O	|	|	|	|	5.10	118.500	0.00	0.58	2.586	O	|	|	|	|	4.76
113.417	0.00	0.61	2.836	O	|	|	|	|	5.10	118.583	0.00	0.58	2.582	O	|	|	|	|	4.75
113.500	0.00	0.61	2.832	O	|	|	|	|	5.09	118.667	0.00	0.58	2.578	O	|	|	|	|	4.75
113.583	0.00	0.61	2.828	O	|	|	|	|	5.09	118.750	0.00	0.58	2.574	O	|	|	|	|	4.74
113.667	0.00	0.60	2.824	O	|	|	|	|	5.08	118.833	0.00	0.58	2.570	O	|	|	|	|	4.74
113.750	0.00	0.60	2.819	O	|	|	|	|	5.08	118.917	0.00	0.58	2.566	O	|	|	|	|	4.73
113.833	0.00	0.60	2.815	O	|	|	|	|	5.07	119.000	0.00	0.58	2.562	O	|	|	|	|	4.73
113.917	0.00	0.60	2.811	O	|	|	|	|	5.07	119.083	0.00	0.58	2.558	O	|	|	|	|	4.72
114.000	0.00	0.60	2.807	O	|	|	|	|	5.06	119.167	0.00	0.58	2.554	O	|	|	|	|	4.71
114.083	0.00	0.60	2.803	O	|	|	|	|	5.06	119.250	0.00	0.58	2.550	O	|	|	|	|	4.71
114.167	0.00	0.60	2.799	O	|	|	|	|	5.05	119.333	0.00	0.58	2.546	O	|	|	|	|	4.70
114.250	0.00	0.60	2.794	O	|	|	|	|	5.05	119.417	0.00	0.58	2.542	O	|	|	|	|	4.70
114.333	0.00	0.60	2.790	O	|	|	|	|	5.04	119.500	0.00	0.58	2.538	O	|	|	|	|	4.69
114.417	0.00	0.60	2.786	O	|	|	|	|	5.04	119.583	0.00	0.58	2.534	O	|	|	|	|	4.69
114.500	0.00	0.60	2.782	O	|	|	|	|	5.03	119.667	0.00	0.58	2.530	O	|	|	|	|	4.68

119.750	0.00	0.58	2.526	O	|	|	|	|	4.68	124.917	0.00	0.55	2.285	O	|	|	|	|	4.34
119.833	0.00	0.58	2.522	O	|	|	|	|	4.67	125.000	0.00	0.55	2.281	O	|	|	|	|	4.33
119.917	0.00	0.58	2.518	O	|	|	|	|	4.66	125.083	0.00	0.55	2.277	O	|	|	|	|	4.33
120.000	0.00	0.58	2.514	O	|	|	|	|	4.66	125.167	0.00	0.55	2.273	O	|	|	|	|	4.32
120.083	0.00	0.58	2.510	O	|	|	|	|	4.65	125.250	0.00	0.55	2.270	O	|	|	|	|	4.32
120.167	0.00	0.58	2.506	O	|	|	|	|	4.65	125.333	0.00	0.55	2.266	O	|	|	|	|	4.31
120.250	0.00	0.57	2.502	O	|	|	|	|	4.64	125.417	0.00	0.55	2.262	O	|	|	|	|	4.30
120.333	0.00	0.57	2.498	O	|	|	|	|	4.64	125.500	0.00	0.55	2.258	O	|	|	|	|	4.30
120.417	0.00	0.57	2.494	O	|	|	|	|	4.63	125.583	0.00	0.55	2.254	O	|	|	|	|	4.29
120.500	0.00	0.57	2.490	O	|	|	|	|	4.63	125.667	0.00	0.55	2.251	O	|	|	|	|	4.29
120.583	0.00	0.57	2.487	O	|	|	|	|	4.62	125.750	0.00	0.55	2.247	O	|	|	|	|	4.28
120.667	0.00	0.57	2.483	O	|	|	|	|	4.61	125.833	0.00	0.55	2.243	O	|	|	|	|	4.28
120.750	0.00	0.57	2.479	O	|	|	|	|	4.61	125.917	0.00	0.55	2.239	O	|	|	|	|	4.27
120.833	0.00	0.57	2.475	O	|	|	|	|	4.60	126.000	0.00	0.55	2.235	O	|	|	|	|	4.27
120.917	0.00	0.57	2.471	O	|	|	|	|	4.60	126.083	0.00	0.55	2.232	O	|	|	|	|	4.26
121.000	0.00	0.57	2.467	O	|	|	|	|	4.59	126.167	0.00	0.55	2.228	O	|	|	|	|	4.26
121.083	0.00	0.57	2.463	O	|	|	|	|	4.59	126.250	0.00	0.55	2.224	O	|	|	|	|	4.25
121.167	0.00	0.57	2.459	O	|	|	|	|	4.58	126.333	0.00	0.55	2.220	O	|	|	|	|	4.25
121.250	0.00	0.57	2.455	O	|	|	|	|	4.58	126.417	0.00	0.55	2.217	O	|	|	|	|	4.24
121.333	0.00	0.57	2.451	O	|	|	|	|	4.57	126.500	0.00	0.55	2.213	O	|	|	|	|	4.24
121.417	0.00	0.57	2.447	O	|	|	|	|	4.56	126.583	0.00	0.55	2.209	O	|	|	|	|	4.23
121.500	0.00	0.57	2.443	O	|	|	|	|	4.56	126.667	0.00	0.55	2.205	O	|	|	|	|	4.23
121.583	0.00	0.57	2.439	O	|	|	|	|	4.55	126.750	0.00	0.55	2.201	O	|	|	|	|	4.22
121.667	0.00	0.57	2.435	O	|	|	|	|	4.55	126.833	0.00	0.55	2.198	O	|	|	|	|	4.21
121.750	0.00	0.57	2.431	O	|	|	|	|	4.54	126.917	0.00	0.54	2.194	O	|	|	|	|	4.21
121.833	0.00	0.57	2.428	O	|	|	|	|	4.54	127.000	0.00	0.54	2.190	O	|	|	|	|	4.20
121.917	0.00	0.57	2.424	O	|	|	|	|	4.53	127.083	0.00	0.54	2.186	O	|	|	|	|	4.20
122.000	0.00	0.57	2.420	O	|	|	|	|	4.53	127.167	0.00	0.54	2.183	O	|	|	|	|	4.19
122.083	0.00	0.57	2.416	O	|	|	|	|	4.52	127.250	0.00	0.54	2.179	O	|	|	|	|	4.19
122.167	0.00	0.57	2.412	O	|	|	|	|	4.52	127.333	0.00	0.54	2.175	O	|	|	|	|	4.18
122.250	0.00	0.57	2.408	O	|	|	|	|	4.51	127.417	0.00	0.54	2.172	O	|	|	|	|	4.18
122.333	0.00	0.57	2.404	O	|	|	|	|	4.50	127.500	0.00	0.54	2.168	O	|	|	|	|	4.17
122.417	0.00	0.56	2.400	O	|	|	|	|	4.50	127.583	0.00	0.54	2.164	O	|	|	|	|	4.17
122.500	0.00	0.56	2.396	O	|	|	|	|	4.49	127.667	0.00	0.54	2.160	O	|	|	|	|	4.16
122.583	0.00	0.56	2.392	O	|	|	|	|	4.49	127.750	0.00	0.54	2.157	O	|	|	|	|	4.16
122.667	0.00	0.56	2.389	O	|	|	|	|	4.48	127.833	0.00	0.54	2.153	O	|	|	|	|	4.15
122.750	0.00	0.56	2.385	O	|	|	|	|	4.48	127.917	0.00	0.54	2.149	O	|	|	|	|	4.15
122.833	0.00	0.56	2.381	O	|	|	|	|	4.47	128.000	0.00	0.54	2.145	O	|	|	|	|	4.14
122.917	0.00	0.56	2.377	O	|	|	|	|	4.47	128.083	0.00	0.54	2.142	O	|	|	|	|	4.14
123.000	0.00	0.56	2.373	O	|	|	|	|	4.46	128.167	0.00	0.54	2.138	O	|	|	|	|	4.13
123.083	0.00	0.56	2.369	O	|	|	|	|	4.46	128.250	0.00	0.54	2.134	O	|	|	|	|	4.13
123.167	0.00	0.56	2.365	O	|	|	|	|	4.45	128.333	0.00	0.54	2.131	O	|	|	|	|	4.12
123.250	0.00	0.56	2.362	O	|	|	|	|	4.44	128.417	0.00	0.54	2.127	O	|	|	|	|	4.11
123.333	0.00	0.56	2.358	O	|	|	|	|	4.44	128.500	0.00	0.54	2.123	O	|	|	|	|	4.11
123.417	0.00	0.56	2.354	O	|	|	|	|	4.43	128.583	0.00	0.54	2.119	O	|	|	|	|	4.10
123.500	0.00	0.56	2.350	O	|	|	|	|	4.43	128.667	0.00	0.54	2.116	O	|	|	|	|	4.10
123.583	0.00	0.56	2.346	O	|	|	|	|	4.42	128.750	0.00	0.54	2.112	O	|	|	|	|	4.09
123.667	0.00	0.56	2.342	O	|	|	|	|	4.42	128.833	0.00	0.54	2.108	O	|	|	|	|	4.09
123.750	0.00	0.56	2.338	O	|	|	|	|	4.41	128.917	0.00	0.54	2.105	O	|	|	|	|	4.08
123.833	0.00	0.56	2.335	O	|	|	|	|	4.41	129.000	0.00	0.54	2.101	O	|	|	|	|	4.08
123.917	0.00	0.56	2.331	O	|	|	|	|	4.40	129.083	0.00	0.54	2.097	O	|	|	|	|	4.07
124.000	0.00	0.56	2.327	O	|	|	|	|	4.40	129.167	0.00	0.53	2.094	O	|	|	|	|	4.07
124.083	0.00	0.56	2.323	O	|	|	|	|	4.39	129.250	0.00	0.53	2.090	O	|	|	|	|	4.06
124.167	0.00	0.56	2.319	O	|	|	|	|	4.39	129.333	0.00	0.53	2.086	O	|	|	|	|	4.06
124.250	0.00	0.56	2.315	O	|	|	|	|	4.38	129.417	0.00	0.53	2.083	O	|	|	|	|	4.05
124.333	0.00	0.56	2.311	O	|	|	|	|	4.37	129.500	0.00	0.53	2.079	O	|	|	|	|	4.05
124.417	0.00	0.56	2.308	O	|	|	|	|	4.37	129.583	0.00	0.53	2.075	O	|	|	|	|	4.04
124.500	0.00	0.56	2.304	O	|	|	|	|	4.36	129.667	0.00	0.53	2.072	O	|	|	|	|	4.04
124.583	0.00	0.56	2.300	O	|	|	|	|	4.36	129.750	0.00	0.53	2.068	O	|	|	|	|	4.03
124.667	0.00	0.55	2.296	O	|	|	|	|	4.35	129.833	0.00	0.53	2.064	O	|	|	|	|	4.03
124.750	0.00	0.55	2.292	O	|	|	|	|	4.35	129.917	0.00	0.53	2.061	O	|	|	|	|	4.02
124.833	0.00	0.55	2.289	O	|	|	|	|	4.34	130.000	0.00	0.53	2.057	O	|	|	|	|	4.02

130.083	0.00	0.53	2.053	O	|	|	|	|	4.01	135.250	0.00	0.50	1.833	O	|	|	|	|	3.64
130.167	0.00	0.53	2.050	O	|	|	|	|	4.01	135.333	0.00	0.50	1.829	O	|	|	|	|	3.63
130.250	0.00	0.53	2.046	O	|	|	|	|	4.00	135.417	0.00	0.50	1.826	O	|	|	|	|	3.63
130.333	0.00	0.53	2.042	O	|	|	|	|	4.00	135.500	0.00	0.50	1.823	O	|	|	|	|	3.62
130.417	0.00	0.53	2.039	O	|	|	|	|	3.99	135.583	0.00	0.50	1.819	O	|	|	|	|	3.62
130.500	0.00	0.53	2.035	O	|	|	|	|	3.98	135.667	0.00	0.50	1.816	O	|	|	|	|	3.61
130.583	0.00	0.53	2.031	O	|	|	|	|	3.98	135.750	0.00	0.50	1.812	O	|	|	|	|	3.60
130.667	0.00	0.53	2.028	O	|	|	|	|	3.97	135.833	0.00	0.50	1.809	O	|	|	|	|	3.60
130.750	0.00	0.53	2.024	O	|	|	|	|	3.96	135.917	0.00	0.50	1.805	O	|	|	|	|	3.59
130.833	0.00	0.53	2.020	O	|	|	|	|	3.96	136.000	0.00	0.50	1.802	O	|	|	|	|	3.59
130.917	0.00	0.53	2.017	O	|	|	|	|	3.95	136.083	0.00	0.50	1.799	O	|	|	|	|	3.58
131.000	0.00	0.53	2.013	O	|	|	|	|	3.95	136.167	0.00	0.50	1.795	O	|	|	|	|	3.58
131.083	0.00	0.53	2.010	O	|	|	|	|	3.94	136.250	0.00	0.50	1.792	O	|	|	|	|	3.57
131.167	0.00	0.52	2.006	O	|	|	|	|	3.93	136.333	0.00	0.50	1.788	O	|	|	|	|	3.56
131.250	0.00	0.52	2.002	O	|	|	|	|	3.93	136.417	0.00	0.49	1.785	O	|	|	|	|	3.56
131.333	0.00	0.52	1.999	O	|	|	|	|	3.92	136.500	0.00	0.49	1.782	O	|	|	|	|	3.55
131.417	0.00	0.52	1.995	O	|	|	|	|	3.92	136.583	0.00	0.49	1.778	O	|	|	|	|	3.55
131.500	0.00	0.52	1.992	O	|	|	|	|	3.91	136.667	0.00	0.49	1.775	O	|	|	|	|	3.54
131.583	0.00	0.52	1.988	O	|	|	|	|	3.90	136.750	0.00	0.49	1.771	O	|	|	|	|	3.53
131.667	0.00	0.52	1.984	O	|	|	|	|	3.90	136.833	0.00	0.49	1.768	O	|	|	|	|	3.53
131.750	0.00	0.52	1.981	O	|	|	|	|	3.89	136.917	0.00	0.49	1.765	O	|	|	|	|	3.52
131.833	0.00	0.52	1.977	O	|	|	|	|	3.88	137.000	0.00	0.49	1.761	O	|	|	|	|	3.52
131.917	0.00	0.52	1.974	O	|	|	|	|	3.88	137.083	0.00	0.49	1.758	O	|	|	|	|	3.51
132.000	0.00	0.52	1.970	O	|	|	|	|	3.87	137.167	0.00	0.49	1.754	O	|	|	|	|	3.51
132.083	0.00	0.52	1.966	O	|	|	|	|	3.87	137.250	0.00	0.49	1.751	O	|	|	|	|	3.50
132.167	0.00	0.52	1.963	O	|	|	|	|	3.86	137.333	0.00	0.49	1.748	O	|	|	|	|	3.49
132.250	0.00	0.52	1.959	O	|	|	|	|	3.85	137.417	0.00	0.49	1.744	O	|	|	|	|	3.49
132.333	0.00	0.52	1.956	O	|	|	|	|	3.85	137.500	0.00	0.49	1.741	O	|	|	|	|	3.48
132.417	0.00	0.52	1.952	O	|	|	|	|	3.84	137.583	0.00	0.49	1.738	O	|	|	|	|	3.48
132.500	0.00	0.52	1.949	O	|	|	|	|	3.84	137.667	0.00	0.49	1.734	O	|	|	|	|	3.47
132.583	0.00	0.52	1.945	O	|	|	|	|	3.83	137.750	0.00	0.49	1.731	O	|	|	|	|	3.47
132.667	0.00	0.52	1.941	O	|	|	|	|	3.82	137.833	0.00	0.49	1.727	O	|	|	|	|	3.46
132.750	0.00	0.52	1.938	O	|	|	|	|	3.82	137.917	0.00	0.49	1.724	O	|	|	|	|	3.45
132.833	0.00	0.51	1.934	O	|	|	|	|	3.81	138.000	0.00	0.49	1.721	O	|	|	|	|	3.45
132.917	0.00	0.51	1.931	O	|	|	|	|	3.81	138.083	0.00	0.49	1.717	O	|	|	|	|	3.44
133.000	0.00	0.51	1.927	O	|	|	|	|	3.80	138.167	0.00	0.49	1.714	O	|	|	|	|	3.44
133.083	0.00	0.51	1.924	O	|	|	|	|	3.79	138.250	0.00	0.48	1.711	O	|	|	|	|	3.43
133.167	0.00	0.51	1.920	O	|	|	|	|	3.79	138.333	0.00	0.48	1.707	O	|	|	|	|	3.43
133.250	0.00	0.51	1.917	O	|	|	|	|	3.78	138.417	0.00	0.48	1.704	O	|	|	|	|	3.42
133.333	0.00	0.51	1.913	O	|	|	|	|	3.78	138.500	0.00	0.48	1.701	O	|	|	|	|	3.42
133.417	0.00	0.51	1.910	O	|	|	|	|	3.77	138.583	0.00	0.48	1.697	O	|	|	|	|	3.41
133.500	0.00	0.51	1.906	O	|	|	|	|	3.76	138.667	0.00	0.48	1.694	O	|	|	|	|	3.40
133.583	0.00	0.51	1.903	O	|	|	|	|	3.76	138.750	0.00	0.48	1.691	O	|	|	|	|	3.40
133.667	0.00	0.51	1.899	O	|	|	|	|	3.75	138.833	0.00	0.48	1.687	O	|	|	|	|	3.39
133.750	0.00	0.51	1.896	O	|	|	|	|	3.75	138.917	0.00	0.48	1.684	O	|	|	|	|	3.39
133.833	0.00	0.51	1.892	O	|	|	|	|	3.74	139.000	0.00	0.48	1.681	O	|	|	|	|	3.38
133.917	0.00	0.51	1.889	O	|	|	|	|	3.73	139.083	0.00	0.48	1.678	O	|	|	|	|	3.38
134.000	0.00	0.51	1.885	O	|	|	|	|	3.73	139.167	0.00	0.48	1.674	O	|	|	|	|	3.37
134.083	0.00	0.51	1.882	O	|	|	|	|	3.72	139.250	0.00	0.48	1.671	O	|	|	|	|	3.36
134.167	0.00	0.51	1.878	O	|	|	|	|	3.72	139.333	0.00	0.48	1.668	O	|	|	|	|	3.36
134.250	0.00	0.51	1.875	O	|	|	|	|	3.71	139.417	0.00	0.48	1.664	O	|	|	|	|	3.35
134.333	0.00	0.51	1.871	O	|	|	|	|	3.70	139.500	0.00	0.48	1.661	O	|	|	|	|	3.35
134.417	0.00	0.51	1.868	O	|	|	|	|	3.70	139.583	0.00	0.48	1.658	O	|	|	|	|	3.34
134.500	0.00	0.51	1.864	O	|	|	|	|	3.69	139.667	0.00	0.48	1.654	O	|	|	|	|	3.34
134.583	0.00	0.50	1.861	O	|	|	|	|	3.69	139.750	0.00	0.48	1.651	O	|	|	|	|	3.33
134.667	0.00	0.50	1.857	O	|	|	|	|	3.68	139.833	0.00	0.48	1.648	O	|	|	|	|	3.33
134.750	0.00	0.50	1.854	O	|	|	|	|	3.67	139.917	0.00	0.48	1.645	O	|	|	|	|	3.32
134.833	0.00	0.50	1.850	O	|	|	|	|	3.67	140.000	0.00	0.48	1.641	O	|	|	|	|	3.31
134.917	0.00	0.50	1.847	O	|	|	|	|	3.66	140.083	0.00	0.47	1.638	O	|	|	|	|	3.31
135.000	0.00	0.50	1.843	O	|	|	|	|	3.66	140.167	0.00	0.47	1.635	O	|	|	|	|	3.30
135.083	0.00	0.50	1.840	O	|	|	|	|	3.65	140.250	0.00	0.47	1.632	O	|	|	|	|	3.30
135.167	0.00	0.50	1.836	O	|	|	|	|	3.65	140.333	0.00	0.47	1.628	O	|	|	|	|	3.29

140.417	0.00	0.47	1.625	O	|	|	|	|	3.29	145.583	0.00	0.45	1.429	O	|	|	|	|	2.95
140.500	0.00	0.47	1.622	O	|	|	|	|	3.28	145.667	0.00	0.45	1.426	O	|	|	|	|	2.95
140.583	0.00	0.47	1.619	O	|	|	|	|	3.28	145.750	0.00	0.45	1.423	O	|	|	|	|	2.94
140.667	0.00	0.47	1.615	O	|	|	|	|	3.27	145.833	0.00	0.44	1.420	O	|	|	|	|	2.94
140.750	0.00	0.47	1.612	O	|	|	|	|	3.26	145.917	0.00	0.44	1.417	O	|	|	|	|	2.93
140.833	0.00	0.47	1.609	O	|	|	|	|	3.26	146.000	0.00	0.44	1.414	O	|	|	|	|	2.93
140.917	0.00	0.47	1.606	O	|	|	|	|	3.25	146.083	0.00	0.44	1.410	O	|	|	|	|	2.92
141.000	0.00	0.47	1.602	O	|	|	|	|	3.25	146.167	0.00	0.44	1.407	O	|	|	|	|	2.92
141.083	0.00	0.47	1.599	O	|	|	|	|	3.24	146.250	0.00	0.44	1.404	O	|	|	|	|	2.91
141.167	0.00	0.47	1.596	O	|	|	|	|	3.24	146.333	0.00	0.44	1.401	O	|	|	|	|	2.91
141.250	0.00	0.47	1.593	O	|	|	|	|	3.23	146.417	0.00	0.44	1.398	O	|	|	|	|	2.90
141.333	0.00	0.47	1.589	O	|	|	|	|	3.23	146.500	0.00	0.44	1.395	O	|	|	|	|	2.90
141.417	0.00	0.47	1.586	O	|	|	|	|	3.22	146.583	0.00	0.44	1.392	O	|	|	|	|	2.89
141.500	0.00	0.47	1.583	O	|	|	|	|	3.21	146.667	0.00	0.44	1.389	O	|	|	|	|	2.89
141.583	0.00	0.47	1.580	O	|	|	|	|	3.21	146.750	0.00	0.44	1.386	O	|	|	|	|	2.88
141.667	0.00	0.47	1.577	O	|	|	|	|	3.20	146.833	0.00	0.44	1.383	O	|	|	|	|	2.88
141.750	0.00	0.47	1.573	O	|	|	|	|	3.20	146.917	0.00	0.44	1.380	O	|	|	|	|	2.87
141.833	0.00	0.47	1.570	O	|	|	|	|	3.19	147.000	0.00	0.44	1.377	O	|	|	|	|	2.86
141.917	0.00	0.47	1.567	O	|	|	|	|	3.19	147.083	0.00	0.44	1.374	O	|	|	|	|	2.86
142.000	0.00	0.46	1.564	O	|	|	|	|	3.18	147.167	0.00	0.44	1.371	O	|	|	|	|	2.85
142.083	0.00	0.46	1.560	O	|	|	|	|	3.18	147.250	0.00	0.44	1.368	O	|	|	|	|	2.85
142.167	0.00	0.46	1.557	O	|	|	|	|	3.17	147.333	0.00	0.44	1.365	O	|	|	|	|	2.84
142.250	0.00	0.46	1.554	O	|	|	|	|	3.17	147.417	0.00	0.44	1.362	O	|	|	|	|	2.84
142.333	0.00	0.46	1.551	O	|	|	|	|	3.16	147.500	0.00	0.44	1.359	O	|	|	|	|	2.83
142.417	0.00	0.46	1.548	O	|	|	|	|	3.16	147.583	0.00	0.44	1.356	O	|	|	|	|	2.83
142.500	0.00	0.46	1.545	O	|	|	|	|	3.15	147.667	0.00	0.44	1.353	O	|	|	|	|	2.82
142.583	0.00	0.46	1.541	O	|	|	|	|	3.14	147.750	0.00	0.44	1.350	O	|	|	|	|	2.82
142.667	0.00	0.46	1.538	O	|	|	|	|	3.14	147.833	0.00	0.44	1.347	O	|	|	|	|	2.81
142.750	0.00	0.46	1.535	O	|	|	|	|	3.13	147.917	0.00	0.43	1.344	O	|	|	|	|	2.81
142.833	0.00	0.46	1.532	O	|	|	|	|	3.13	148.000	0.00	0.43	1.341	O	|	|	|	|	2.80
142.917	0.00	0.46	1.529	O	|	|	|	|	3.12	148.083	0.00	0.43	1.338	O	|	|	|	|	2.80
143.000	0.00	0.46	1.526	O	|	|	|	|	3.12	148.167	0.00	0.43	1.335	O	|	|	|	|	2.79
143.083	0.00	0.46	1.522	O	|	|	|	|	3.11	148.250	0.00	0.43	1.332	O	|	|	|	|	2.79
143.167	0.00	0.46	1.519	O	|	|	|	|	3.11	148.333	0.00	0.43	1.329	O	|	|	|	|	2.78
143.250	0.00	0.46	1.516	O	|	|	|	|	3.10	148.417	0.00	0.43	1.326	O	|	|	|	|	2.78
143.333	0.00	0.46	1.513	O	|	|	|	|	3.10	148.500	0.00	0.43	1.323	O	|	|	|	|	2.77
143.417	0.00	0.46	1.510	O	|	|	|	|	3.09	148.583	0.00	0.43	1.320	O	|	|	|	|	2.77
143.500	0.00	0.46	1.507	O	|	|	|	|	3.09	148.667	0.00	0.43	1.317	O	|	|	|	|	2.76
143.583	0.00	0.46	1.503	O	|	|	|	|	3.08	148.750	0.00	0.43	1.314	O	|	|	|	|	2.76
143.667	0.00	0.46	1.500	O	|	|	|	|	3.07	148.833	0.00	0.43	1.311	O	|	|	|	|	2.75
143.750	0.00	0.46	1.497	O	|	|	|	|	3.07	148.917	0.00	0.43	1.308	O	|	|	|	|	2.75
143.833	0.00	0.46	1.494	O	|	|	|	|	3.06	149.000	0.00	0.43	1.305	O	|	|	|	|	2.74
143.917	0.00	0.45	1.491	O	|	|	|	|	3.06	149.083	0.00	0.43	1.302	O	|	|	|	|	2.74
144.000	0.00	0.45	1.488	O	|	|	|	|	3.05	149.167	0.00	0.43	1.299	O	|	|	|	|	2.73
144.083	0.00	0.45	1.485	O	|	|	|	|	3.05	149.250	0.00	0.43	1.296	O	|	|	|	|	2.73
144.167	0.00	0.45	1.482	O	|	|	|	|	3.04	149.333	0.00	0.43	1.293	O	|	|	|	|	2.72
144.250	0.00	0.45	1.478	O	|	|	|	|	3.04	149.417	0.00	0.43	1.290	O	|	|	|	|	2.72
144.333	0.00	0.45	1.475	O	|	|	|	|	3.03	149.500	0.00	0.43	1.288	O	|	|	|	|	2.71
144.417	0.00	0.45	1.472	O	|	|	|	|	3.03	149.583	0.00	0.43	1.285	O	|	|	|	|	2.71
144.500	0.00	0.45	1.469	O	|	|	|	|	3.02	149.667	0.00	0.43	1.282	O	|	|	|	|	2.70
144.583	0.00	0.45	1.466	O	|	|	|	|	3.02	149.750	0.00	0.43	1.279	O	|	|	|	|	2.70
144.667	0.00	0.45	1.463	O	|	|	|	|	3.01	149.833	0.00	0.43	1.276	O	|	|	|	|	2.69
144.750	0.00	0.45	1.460	O	|	|	|	|	3.01	149.917	0.00	0.43	1.273	O	|	|	|	|	2.69
144.833	0.00	0.45	1.457	O	|	|	|	|	3.00	150.000	0.00	0.42	1.270	O	|	|	|	|	2.68
144.917	0.00	0.45	1.454	O	|	|	|	|	2.99	150.083	0.00	0.42	1.267	O	|	|	|	|	2.68
145.000	0.00	0.45	1.450	O	|	|	|	|	2.99	150.167	0.00	0.42	1.264	O	|	|	|	|	2.67
145.083	0.00	0.45	1.447	O	|	|	|	|	2.98	150.250	0.00	0.42	1.261	O	|	|	|	|	2.67
145.167	0.00	0.45	1.444	O	|	|	|	|	2.98	150.333	0.00	0.42	1.258	O	|	|	|	|	2.66
145.250	0.00	0.45	1.441	O	|	|	|	|	2.97	150.417	0.00	0.42	1.255	O	|	|	|	|	2.66
145.333	0.00	0.45	1.438	O	|	|	|	|	2.97	150.500	0.00	0.42	1.252	O	|	|	|	|	2.65
145.417	0.00	0.45	1.435	O	|	|	|	|	2.96	150.583	0.00	0.42	1.250	O	|	|	|	|	2.65
145.500	0.00	0.45	1.432	O	|	|	|	|	2.96	150.667	0.00	0.42	1.247	O	|	|	|	|	2.64

150.750	0.00	0.42	1.244	O	|	|	|	|	2.64	155.917	0.00	0.40	1.069	O	|	|	|	|	2.34
150.833	0.00	0.42	1.241	O	|	|	|	|	2.63	156.000	0.00	0.40	1.066	O	|	|	|	|	2.34
150.917	0.00	0.42	1.238	O	|	|	|	|	2.63	156.083	0.00	0.40	1.064	O	|	|	|	|	2.33
151.000	0.00	0.42	1.235	O	|	|	|	|	2.62	156.167	0.00	0.40	1.061	O	|	|	|	|	2.33
151.083	0.00	0.42	1.232	O	|	|	|	|	2.62	156.250	0.00	0.40	1.058	O	|	|	|	|	2.32
151.167	0.00	0.42	1.229	O	|	|	|	|	2.61	156.333	0.00	0.40	1.055	O	|	|	|	|	2.32
151.250	0.00	0.42	1.226	O	|	|	|	|	2.61	156.417	0.00	0.40	1.053	O	|	|	|	|	2.31
151.333	0.00	0.42	1.223	O	|	|	|	|	2.60	156.500	0.00	0.39	1.050	O	|	|	|	|	2.31
151.417	0.00	0.42	1.221	O	|	|	|	|	2.60	156.583	0.00	0.39	1.047	O	|	|	|	|	2.30
151.500	0.00	0.42	1.218	O	|	|	|	|	2.59	156.667	0.00	0.39	1.045	O	|	|	|	|	2.30
151.583	0.00	0.42	1.215	O	|	|	|	|	2.59	156.750	0.00	0.39	1.042	O	|	|	|	|	2.30
151.667	0.00	0.42	1.212	O	|	|	|	|	2.58	156.833	0.00	0.39	1.039	O	|	|	|	|	2.29
151.750	0.00	0.42	1.209	O	|	|	|	|	2.58	156.917	0.00	0.39	1.036	O	|	|	|	|	2.29
151.833	0.00	0.42	1.206	O	|	|	|	|	2.57	157.000	0.00	0.39	1.034	O	|	|	|	|	2.28
151.917	0.00	0.42	1.203	O	|	|	|	|	2.57	157.083	0.00	0.39	1.031	O	|	|	|	|	2.28
152.000	0.00	0.42	1.201	O	|	|	|	|	2.57	157.167	0.00	0.39	1.028	O	|	|	|	|	2.27
152.083	0.00	0.41	1.198	O	|	|	|	|	2.56	157.250	0.00	0.39	1.026	O	|	|	|	|	2.27
152.167	0.00	0.41	1.195	O	|	|	|	|	2.56	157.333	0.00	0.39	1.023	O	|	|	|	|	2.26
152.250	0.00	0.41	1.192	O	|	|	|	|	2.55	157.417	0.00	0.39	1.020	O	|	|	|	|	2.26
152.333	0.00	0.41	1.189	O	|	|	|	|	2.55	157.500	0.00	0.39	1.018	O	|	|	|	|	2.25
152.417	0.00	0.41	1.186	O	|	|	|	|	2.54	157.583	0.00	0.39	1.015	O	|	|	|	|	2.25
152.500	0.00	0.41	1.183	O	|	|	|	|	2.54	157.667	0.00	0.39	1.012	O	|	|	|	|	2.24
152.583	0.00	0.41	1.181	O	|	|	|	|	2.53	157.750	0.00	0.39	1.009	O	|	|	|	|	2.24
152.667	0.00	0.41	1.178	O	|	|	|	|	2.53	157.833	0.00	0.39	1.007	O	|	|	|	|	2.24
152.750	0.00	0.41	1.175	O	|	|	|	|	2.52	157.917	0.00	0.39	1.004	O	|	|	|	|	2.23
152.833	0.00	0.41	1.172	O	|	|	|	|	2.52	158.000	0.00	0.39	1.001	O	|	|	|	|	2.23
152.917	0.00	0.41	1.169	O	|	|	|	|	2.51	158.083	0.00	0.39	0.999	O	|	|	|	|	2.22
153.000	0.00	0.41	1.166	O	|	|	|	|	2.51	158.167	0.00	0.39	0.996	O	|	|	|	|	2.22
153.083	0.00	0.41	1.164	O	|	|	|	|	2.50	158.250	0.00	0.39	0.993	O	|	|	|	|	2.21
153.167	0.00	0.41	1.161	O	|	|	|	|	2.50	158.333	0.00	0.39	0.991	O	|	|	|	|	2.21
153.250	0.00	0.41	1.158	O	|	|	|	|	2.49	158.417	0.00	0.39	0.988	O	|	|	|	|	2.20
153.333	0.00	0.41	1.155	O	|	|	|	|	2.49	158.500	0.00	0.39	0.985	O	|	|	|	|	2.20
153.417	0.00	0.41	1.152	O	|	|	|	|	2.48	158.583	0.00	0.39	0.983	O	|	|	|	|	2.20
153.500	0.00	0.41	1.149	O	|	|	|	|	2.48	158.667	0.00	0.39	0.980	O	|	|	|	|	2.19
153.583	0.00	0.41	1.147	O	|	|	|	|	2.47	158.750	0.00	0.38	0.977	O	|	|	|	|	2.19
153.667	0.00	0.41	1.144	O	|	|	|	|	2.47	158.833	0.00	0.38	0.975	O	|	|	|	|	2.18
153.750	0.00	0.41	1.141	O	|	|	|	|	2.46	158.917	0.00	0.38	0.972	O	|	|	|	|	2.18
153.833	0.00	0.41	1.138	O	|	|	|	|	2.46	159.000	0.00	0.38	0.970	O	|	|	|	|	2.17
153.917	0.00	0.41	1.135	O	|	|	|	|	2.45	159.083	0.00	0.38	0.967	O	|	|	|	|	2.17
154.000	0.00	0.41	1.133	O	|	|	|	|	2.45	159.167	0.00	0.38	0.964	O	|	|	|	|	2.16
154.083	0.00	0.41	1.130	O	|	|	|	|	2.44	159.250	0.00	0.38	0.962	O	|	|	|	|	2.16
154.167	0.00	0.41	1.127	O	|	|	|	|	2.44	159.333	0.00	0.38	0.959	O	|	|	|	|	2.15
154.250	0.00	0.40	1.124	O	|	|	|	|	2.44	159.417	0.00	0.38	0.956	O	|	|	|	|	2.15
154.333	0.00	0.40	1.121	O	|	|	|	|	2.43	159.500	0.00	0.38	0.954	O	|	|	|	|	2.15
154.417	0.00	0.40	1.119	O	|	|	|	|	2.43	159.583	0.00	0.38	0.951	O	|	|	|	|	2.14
154.500	0.00	0.40	1.116	O	|	|	|	|	2.42	159.667	0.00	0.38	0.948	O	|	|	|	|	2.14
154.583	0.00	0.40	1.113	O	|	|	|	|	2.42	159.750	0.00	0.38	0.946	O	|	|	|	|	2.13
154.667	0.00	0.40	1.110	O	|	|	|	|	2.41	159.833	0.00	0.38	0.943	O	|	|	|	|	2.13
154.750	0.00	0.40	1.108	O	|	|	|	|	2.41	159.917	0.00	0.38	0.941	O	|	|	|	|	2.12
154.833	0.00	0.40	1.105	O	|	|	|	|	2.40	160.000	0.00	0.38	0.938	O	|	|	|	|	2.12
154.917	0.00	0.40	1.102	O	|	|	|	|	2.40	160.083	0.00	0.38	0.935	O	|	|	|	|	2.11
155.000	0.00	0.40	1.099	O	|	|	|	|	2.39	160.167	0.00	0.38	0.933	O	|	|	|	|	2.11
155.083	0.00	0.40	1.097	O	|	|	|	|	2.39	160.250	0.00	0.38	0.930	O	|	|	|	|	2.11
155.167	0.00	0.40	1.094	O	|	|	|	|	2.38	160.333	0.00	0.38	0.928	O	|	|	|	|	2.10
155.250	0.00	0.40	1.091	O	|	|	|	|	2.38	160.417	0.00	0.38	0.925	O	|	|	|	|	2.10
155.333	0.00	0.40	1.088	O	|	|	|	|	2.37	160.500	0.00	0.38	0.922	O	|	|	|	|	2.09
155.417	0.00	0.40	1.086	O	|	|	|	|	2.37	160.583	0.00	0.38	0.920	O	|	|	|	|	2.09
155.500	0.00	0.40	1.083	O	|	|	|	|	2.36	160.667	0.00	0.38	0.917	O	|	|	|	|	2.08
155.583	0.00	0.40	1.080	O	|	|	|	|	2.36	160.750	0.00	0.38	0.915	O	|	|	|	|	2.08
155.667	0.00	0.40	1.077	O	|	|	|	|	2.36	160.833	0.00	0.38	0.912	O	|	|	|	|	2.07
155.750	0.00	0.40	1.075	O	|	|	|	|	2.35	160.917	0.00	0.38	0.909	O	|	|	|	|	2.07
155.833	0.00	0.40	1.072	O	|	|	|	|	2.35	161.000	0.00	0.38	0.907	O	|	|	|	|	2.07

161.083	0.00	0.37	0.904	O	|	|	|	|	2.06	166.250	0.00	0.34	0.751	O	|	|	|	|	1.75
161.167	0.00	0.37	0.902	O	|	|	|	|	2.06	166.333	0.00	0.34	0.748	O	|	|	|	|	1.75
161.250	0.00	0.37	0.899	O	|	|	|	|	2.05	166.417	0.00	0.34	0.746	O	|	|	|	|	1.74
161.333	0.00	0.37	0.896	O	|	|	|	|	2.05	166.500	0.00	0.34	0.744	O	|	|	|	|	1.74
161.417	0.00	0.37	0.894	O	|	|	|	|	2.04	166.583	0.00	0.34	0.741	O	|	|	|	|	1.73
161.500	0.00	0.37	0.891	O	|	|	|	|	2.04	166.667	0.00	0.34	0.739	O	|	|	|	|	1.73
161.583	0.00	0.37	0.889	O	|	|	|	|	2.04	166.750	0.00	0.34	0.736	O	|	|	|	|	1.72
161.667	0.00	0.37	0.886	O	|	|	|	|	2.03	166.833	0.00	0.34	0.734	O	|	|	|	|	1.72
161.750	0.00	0.37	0.884	O	|	|	|	|	2.03	166.917	0.00	0.34	0.732	O	|	|	|	|	1.71
161.833	0.00	0.37	0.881	O	|	|	|	|	2.02	167.000	0.00	0.34	0.729	O	|	|	|	|	1.71
161.917	0.00	0.37	0.879	O	|	|	|	|	2.02	167.083	0.00	0.34	0.727	O	|	|	|	|	1.70
162.000	0.00	0.37	0.876	O	|	|	|	|	2.01	167.167	0.00	0.34	0.725	O	|	|	|	|	1.70
162.083	0.00	0.37	0.873	O	|	|	|	|	2.01	167.250	0.00	0.34	0.723	O	|	|	|	|	1.69
162.167	0.00	0.37	0.871	O	|	|	|	|	2.00	167.333	0.00	0.34	0.720	O	|	|	|	|	1.69
162.250	0.00	0.37	0.868	O	|	|	|	|	2.00	167.417	0.00	0.33	0.718	O	|	|	|	|	1.68
162.333	0.00	0.37	0.866	O	|	|	|	|	2.00	167.500	0.00	0.33	0.716	O	|	|	|	|	1.68
162.417	0.00	0.37	0.863	O	|	|	|	|	1.99	167.583	0.00	0.33	0.713	O	|	|	|	|	1.67
162.500	0.00	0.37	0.861	O	|	|	|	|	1.98	167.667	0.00	0.33	0.711	O	|	|	|	|	1.67
162.583	0.00	0.37	0.858	O	|	|	|	|	1.98	167.750	0.00	0.33	0.709	O	|	|	|	|	1.66
162.667	0.00	0.37	0.856	O	|	|	|	|	1.97	167.833	0.00	0.33	0.706	O	|	|	|	|	1.66
162.750	0.00	0.37	0.853	O	|	|	|	|	1.97	167.917	0.00	0.33	0.704	O	|	|	|	|	1.65
162.833	0.00	0.37	0.851	O	|	|	|	|	1.96	168.000	0.00	0.33	0.702	O	|	|	|	|	1.65
162.917	0.00	0.37	0.848	O	|	|	|	|	1.96	168.083	0.00	0.33	0.700	O	|	|	|	|	1.64
163.000	0.00	0.36	0.846	O	|	|	|	|	1.95	168.167	0.00	0.33	0.697	O	|	|	|	|	1.64
163.083	0.00	0.36	0.843	O	|	|	|	|	1.95	168.250	0.00	0.33	0.695	O	|	|	|	|	1.63
163.167	0.00	0.36	0.841	O	|	|	|	|	1.94	168.333	0.00	0.33	0.693	O	|	|	|	|	1.63
163.250	0.00	0.36	0.838	O	|	|	|	|	1.94	168.417	0.00	0.33	0.690	O	|	|	|	|	1.62
163.333	0.00	0.36	0.836	O	|	|	|	|	1.93	168.500	0.00	0.33	0.688	O	|	|	|	|	1.62
163.417	0.00	0.36	0.833	O	|	|	|	|	1.93	168.583	0.00	0.33	0.686	O	|	|	|	|	1.61
163.500	0.00	0.36	0.831	O	|	|	|	|	1.92	168.667	0.00	0.33	0.684	O	|	|	|	|	1.61
163.583	0.00	0.36	0.828	O	|	|	|	|	1.92	168.750	0.00	0.33	0.681	O	|	|	|	|	1.60
163.667	0.00	0.36	0.826	O	|	|	|	|	1.91	168.833	0.00	0.33	0.679	O	|	|	|	|	1.60
163.750	0.00	0.36	0.823	O	|	|	|	|	1.90	168.917	0.00	0.33	0.677	O	|	|	|	|	1.59
163.833	0.00	0.36	0.821	O	|	|	|	|	1.90	169.000	0.00	0.32	0.675	O	|	|	|	|	1.59
163.917	0.00	0.36	0.818	O	|	|	|	|	1.89	169.083	0.00	0.32	0.673	O	|	|	|	|	1.58
164.000	0.00	0.36	0.816	O	|	|	|	|	1.89	169.167	0.00	0.32	0.670	O	|	|	|	|	1.58
164.083	0.00	0.36	0.813	O	|	|	|	|	1.88	169.250	0.00	0.32	0.668	O	|	|	|	|	1.58
164.167	0.00	0.36	0.811	O	|	|	|	|	1.88	169.333	0.00	0.32	0.666	O	|	|	|	|	1.57
164.250	0.00	0.36	0.808	O	|	|	|	|	1.87	169.417	0.00	0.32	0.664	O	|	|	|	|	1.57
164.333	0.00	0.36	0.806	O	|	|	|	|	1.87	169.500	0.00	0.32	0.661	O	|	|	|	|	1.56
164.417	0.00	0.35	0.803	O	|	|	|	|	1.86	169.583	0.00	0.32	0.659	O	|	|	|	|	1.56
164.500	0.00	0.35	0.801	O	|	|	|	|	1.86	169.667	0.00	0.32	0.657	O	|	|	|	|	1.55
164.583	0.00	0.35	0.799	O	|	|	|	|	1.85	169.750	0.00	0.32	0.655	O	|	|	|	|	1.55
164.667	0.00	0.35	0.796	O	|	|	|	|	1.85	169.833	0.00	0.32	0.653	O	|	|	|	|	1.54
164.750	0.00	0.35	0.794	O	|	|	|	|	1.84	169.917	0.00	0.32	0.650	O	|	|	|	|	1.54
164.833	0.00	0.35	0.791	O	|	|	|	|	1.84	170.000	0.00	0.32	0.648	O	|	|	|	|	1.53
164.917	0.00	0.35	0.789	O	|	|	|	|	1.83	170.083	0.00	0.32	0.646	O	|	|	|	|	1.53
165.000	0.00	0.35	0.786	O	|	|	|	|	1.83	170.167	0.00	0.32	0.644	O	|	|	|	|	1.52
165.083	0.00	0.35	0.784	O	|	|	|	|	1.82	170.250	0.00	0.32	0.642	O	|	|	|	|	1.52
165.167	0.00	0.35	0.782	O	|	|	|	|	1.82	170.333	0.00	0.32	0.639	O	|	|	|	|	1.51
165.250	0.00	0.35	0.779	O	|	|	|	|	1.81	170.417	0.00	0.32	0.637	O	|	|	|	|	1.51
165.333	0.00	0.35	0.777	O	|	|	|	|	1.81	170.500	0.00	0.32	0.635	O	|	|	|	|	1.51
165.417	0.00	0.35	0.774	O	|	|	|	|	1.80	170.583	0.00	0.32	0.633	O	|	|	|	|	1.50
165.500	0.00	0.35	0.772	O	|	|	|	|	1.80	170.667	0.00	0.31	0.631	O	|	|	|	|	1.50
165.583	0.00	0.35	0.770	O	|	|	|	|	1.79	170.750	0.00	0.31	0.629	O	|	|	|	|	1.49
165.667	0.00	0.35	0.767	O	|	|	|	|	1.79	170.833	0.00	0.31	0.626	O	|	|	|	|	1.49
165.750	0.00	0.35	0.765	O	|	|	|	|	1.78	170.917	0.00	0.31	0.624	O	|	|	|	|	1.48
165.833	0.00	0.35	0.762	O	|	|	|	|	1.78	171.000	0.00	0.31	0.622	O	|	|	|	|	1.48
165.917	0.00	0.34	0.760	O	|	|	|	|	1.77	171.083	0.00	0.31	0.620	O	|	|	|	|	1.47
166.000	0.00	0.34	0.758	O	|	|	|	|	1.77	171.167	0.00	0.31	0.618	O	|	|	|	|	1.47
166.083	0.00	0.34	0.755	O	|	|	|	|	1.76	171.250	0.00	0.31	0.616	O	|	|	|	|	1.46
166.167	0.00	0.34	0.753	O	|	|	|	|	1.76	171.333	0.00	0.31	0.613	O	|	|	|	|	1.46

171.417	0.00	0.31	0.611	O	|	|	|	|	1.46	176.583	0.00	0.28	0.485	O	|	|	|	|	1.19
171.500	0.00	0.31	0.609	O	|	|	|	|	1.45	176.667	0.00	0.28	0.483	O	|	|	|	|	1.18
171.583	0.00	0.31	0.607	O	|	|	|	|	1.45	176.750	0.00	0.28	0.481	O	|	|	|	|	1.18
171.667	0.00	0.31	0.605	O	|	|	|	|	1.44	176.833	0.00	0.28	0.480	O	|	|	|	|	1.18
171.750	0.00	0.31	0.603	O	|	|	|	|	1.44	176.917	0.00	0.28	0.478	O	|	|	|	|	1.17
171.833	0.00	0.31	0.601	O	|	|	|	|	1.43	177.000	0.00	0.28	0.476	O	|	|	|	|	1.17
171.917	0.00	0.31	0.599	O	|	|	|	|	1.43	177.083	0.00	0.28	0.474	O	|	|	|	|	1.16
172.000	0.00	0.31	0.596	O	|	|	|	|	1.42	177.167	0.00	0.28	0.472	O	|	|	|	|	1.16
172.083	0.00	0.31	0.594	O	|	|	|	|	1.42	177.250	0.00	0.28	0.470	O	|	|	|	|	1.15
172.167	0.00	0.31	0.592	O	|	|	|	|	1.41	177.333	0.00	0.28	0.468	O	|	|	|	|	1.15
172.250	0.00	0.31	0.590	O	|	|	|	|	1.41	177.417	0.00	0.28	0.466	O	|	|	|	|	1.15
172.333	0.00	0.30	0.588	O	|	|	|	|	1.41	177.500	0.00	0.28	0.464	O	|	|	|	|	1.14
172.417	0.00	0.30	0.586	O	|	|	|	|	1.40	177.583	0.00	0.28	0.462	O	|	|	|	|	1.14
172.500	0.00	0.30	0.584	O	|	|	|	|	1.40	177.667	0.00	0.27	0.460	O	|	|	|	|	1.13
172.583	0.00	0.30	0.582	O	|	|	|	|	1.39	177.750	0.00	0.27	0.459	O	|	|	|	|	1.13
172.667	0.00	0.30	0.580	O	|	|	|	|	1.39	177.833	0.00	0.27	0.457	O	|	|	|	|	1.13
172.750	0.00	0.30	0.578	O	|	|	|	|	1.38	177.917	0.00	0.27	0.455	O	|	|	|	|	1.12
172.833	0.00	0.30	0.576	O	|	|	|	|	1.38	178.000	0.00	0.27	0.453	O	|	|	|	|	1.12
172.917	0.00	0.30	0.573	O	|	|	|	|	1.37	178.083	0.00	0.27	0.451	O	|	|	|	|	1.11
173.000	0.00	0.30	0.571	O	|	|	|	|	1.37	178.167	0.00	0.27	0.449	O	|	|	|	|	1.11
173.083	0.00	0.30	0.569	O	|	|	|	|	1.37	178.250	0.00	0.27	0.447	O	|	|	|	|	1.11
173.167	0.00	0.30	0.567	O	|	|	|	|	1.36	178.333	0.00	0.27	0.445	O	|	|	|	|	1.10
173.250	0.00	0.30	0.565	O	|	|	|	|	1.36	178.417	0.00	0.27	0.444	O	|	|	|	|	1.10
173.333	0.00	0.30	0.563	O	|	|	|	|	1.35	178.500	0.00	0.27	0.442	O	|	|	|	|	1.09
173.417	0.00	0.30	0.561	O	|	|	|	|	1.35	178.583	0.00	0.27	0.440	O	|	|	|	|	1.09
173.500	0.00	0.30	0.559	O	|	|	|	|	1.34	178.667	0.00	0.27	0.438	O	|	|	|	|	1.09
173.583	0.00	0.30	0.557	O	|	|	|	|	1.34	178.750	0.00	0.27	0.436	O	|	|	|	|	1.08
173.667	0.00	0.30	0.555	O	|	|	|	|	1.34	178.833	0.00	0.27	0.434	O	|	|	|	|	1.08
173.750	0.00	0.30	0.553	O	|	|	|	|	1.33	178.917	0.00	0.27	0.432	O	|	|	|	|	1.08
173.833	0.00	0.30	0.551	O	|	|	|	|	1.33	179.000	0.00	0.27	0.431	O	|	|	|	|	1.07
173.917	0.00	0.30	0.549	O	|	|	|	|	1.32	179.083	0.00	0.27	0.429	O	|	|	|	|	1.07
174.000	0.00	0.29	0.547	O	|	|	|	|	1.32	179.167	0.00	0.27	0.427	O	|	|	|	|	1.06
174.083	0.00	0.29	0.545	O	|	|	|	|	1.31	179.250	0.00	0.27	0.425	O	|	|	|	|	1.06
174.167	0.00	0.29	0.543	O	|	|	|	|	1.31	179.333	0.00	0.27	0.423	O	|	|	|	|	1.06
174.250	0.00	0.29	0.541	O	|	|	|	|	1.31	179.417	0.00	0.27	0.421	O	|	|	|	|	1.05
174.333	0.00	0.29	0.539	O	|	|	|	|	1.30	179.500	0.00	0.27	0.420	O	|	|	|	|	1.05
174.417	0.00	0.29	0.537	O	|	|	|	|	1.30	179.583	0.00	0.26	0.418	O	|	|	|	|	1.04
174.500	0.00	0.29	0.535	O	|	|	|	|	1.29	179.667	0.00	0.26	0.416	O	|	|	|	|	1.04
174.583	0.00	0.29	0.533	O	|	|	|	|	1.29	179.750	0.00	0.26	0.414	O	|	|	|	|	1.04
174.667	0.00	0.29	0.531	O	|	|	|	|	1.28	179.833	0.00	0.26	0.412	O	|	|	|	|	1.03
174.750	0.00	0.29	0.529	O	|	|	|	|	1.28	179.917	0.00	0.26	0.410	O	|	|	|	|	1.03
174.833	0.00	0.29	0.527	O	|	|	|	|	1.28	180.000	0.00	0.26	0.409	O	|	|	|	|	1.02
174.917	0.00	0.29	0.525	O	|	|	|	|	1.27	180.083	0.00	0.26	0.407	O	|	|	|	|	1.02
175.000	0.00	0.29	0.523	O	|	|	|	|	1.27	180.167	0.00	0.26	0.405	O	|	|	|	|	1.02
175.083	0.00	0.29	0.521	O	|	|	|	|	1.26	180.250	0.00	0.26	0.403	O	|	|	|	|	1.01
175.167	0.00	0.29	0.519	O	|	|	|	|	1.26	180.333	0.00	0.26	0.401	O	|	|	|	|	1.01
175.250	0.00	0.29	0.517	O	|	|	|	|	1.25	180.417	0.00	0.26	0.400	O	|	|	|	|	1.01
175.333	0.00	0.29	0.515	O	|	|	|	|	1.25	180.500	0.00	0.26	0.398	O	|	|	|	|	1.00
175.417	0.00	0.29	0.513	O	|	|	|	|	1.25	180.583	0.00	0.26	0.396	O	|	|	|	|	1.00
175.500	0.00	0.29	0.511	O	|	|	|	|	1.24	180.667	0.00	0.26	0.394	O	|	|	|	|	0.99
175.583	0.00	0.29	0.509	O	|	|	|	|	1.24	180.750	0.00	0.26	0.393	O	|	|	|	|	0.99
175.667	0.00	0.29	0.507	O	|	|	|	|	1.23	180.833	0.00	0.26	0.391	O	|	|	|	|	0.98
175.750	0.00	0.29	0.505	O	|	|	|	|	1.23	180.917	0.00	0.25	0.389	O	|	|	|	|	0.98
175.833	0.00	0.28	0.503	O	|	|	|	|	1.22	181.000	0.00	0.25	0.387	O	|	|	|	|	0.98
175.917	0.00	0.28	0.501	O	|	|	|	|	1.22	181.083	0.00	0.25	0.385	O	|	|	|	|	0.97
176.000	0.00	0.28	0.499	O	|	|	|	|	1.22	181.167	0.00	0.25	0.384	O	|	|	|	|	0.97
176.083	0.00	0.28	0.497	O	|	|	|	|	1.21	181.250	0.00	0.25	0.382	O	|	|	|	|	0.96
176.167	0.00	0.28	0.495	O	|	|	|	|	1.21	181.333	0.00	0.25	0.380	O	|	|	|	|	0.96
176.250	0.00	0.28	0.493	O	|	|	|	|	1.20	181.417	0.00	0.25	0.379	O	|	|	|	|	0.95
176.333	0.00	0.28	0.491	O	|	|	|	|	1.20	181.500	0.00	0.25	0.377	O	|	|	|	|	0.95
176.417	0.00	0.28	0.489	O	|	|	|	|	1.20	181.583	0.00	0.25	0.375	O	|	|	|	|	0.95
176.500	0.00	0.28	0.487	O	|	|	|	|	1.19	181.667	0.00	0.24	0.374	O	|	|	|	|	0.94

181.750	0.00	0.24	0.372	O	|	|	|	|	0.94	186.917	0.00	0.18	0.281	O	|	|	|	|	0.71
181.833	0.00	0.24	0.370	O	|	|	|	|	0.93	187.000	0.00	0.18	0.280	O	|	|	|	|	0.70
181.917	0.00	0.24	0.368	O	|	|	|	|	0.93	187.083	0.00	0.18	0.279	O	|	|	|	|	0.70
182.000	0.00	0.24	0.367	O	|	|	|	|	0.92	187.167	0.00	0.18	0.277	O	|	|	|	|	0.70
182.083	0.00	0.24	0.365	O	|	|	|	|	0.92	187.250	0.00	0.18	0.276	O	|	|	|	|	0.70
182.167	0.00	0.24	0.364	O	|	|	|	|	0.92	187.333	0.00	0.18	0.275	O	|	|	|	|	0.69
182.250	0.00	0.24	0.362	O	|	|	|	|	0.91	187.417	0.00	0.18	0.274	O	|	|	|	|	0.69
182.333	0.00	0.24	0.360	O	|	|	|	|	0.91	187.500	0.00	0.18	0.272	O	|	|	|	|	0.69
182.417	0.00	0.23	0.359	O	|	|	|	|	0.90	187.583	0.00	0.18	0.271	O	|	|	|	|	0.68
182.500	0.00	0.23	0.357	O	|	|	|	|	0.90	187.667	0.00	0.18	0.270	O	|	|	|	|	0.68
182.583	0.00	0.23	0.355	O	|	|	|	|	0.90	187.750	0.00	0.18	0.269	O	|	|	|	|	0.68
182.667	0.00	0.23	0.354	O	|	|	|	|	0.89	187.833	0.00	0.18	0.268	O	|	|	|	|	0.67
182.750	0.00	0.23	0.352	O	|	|	|	|	0.89	187.917	0.00	0.17	0.266	O	|	|	|	|	0.67
182.833	0.00	0.23	0.351	O	|	|	|	|	0.88	188.000	0.00	0.17	0.265	O	|	|	|	|	0.67
182.917	0.00	0.23	0.349	O	|	|	|	|	0.88	188.083	0.00	0.17	0.264	O	|	|	|	|	0.66
183.000	0.00	0.23	0.347	O	|	|	|	|	0.88	188.167	0.00	0.17	0.263	O	|	|	|	|	0.66
183.083	0.00	0.23	0.346	O	|	|	|	|	0.87	188.250	0.00	0.17	0.262	O	|	|	|	|	0.66
183.167	0.00	0.23	0.344	O	|	|	|	|	0.87	188.333	0.00	0.17	0.260	O	|	|	|	|	0.66
183.250	0.00	0.22	0.343	O	|	|	|	|	0.86	188.417	0.00	0.17	0.259	O	|	|	|	|	0.65
183.333	0.00	0.22	0.341	O	|	|	|	|	0.86	188.500	0.00	0.17	0.258	O	|	|	|	|	0.65
183.417	0.00	0.22	0.340	O	|	|	|	|	0.86	188.583	0.00	0.17	0.257	O	|	|	|	|	0.65
183.500	0.00	0.22	0.338	O	|	|	|	|	0.85	188.667	0.00	0.17	0.256	O	|	|	|	|	0.64
183.583	0.00	0.22	0.337	O	|	|	|	|	0.85	188.750	0.00	0.17	0.255	O	|	|	|	|	0.64
183.667	0.00	0.22	0.335	O	|	|	|	|	0.84	188.833	0.00	0.17	0.253	O	|	|	|	|	0.64
183.750	0.00	0.22	0.334	O	|	|	|	|	0.84	188.917	0.00	0.17	0.252	O	|	|	|	|	0.64
183.833	0.00	0.22	0.332	O	|	|	|	|	0.84	189.000	0.00	0.16	0.251	O	|	|	|	|	0.63
183.917	0.00	0.22	0.331	O	|	|	|	|	0.83	189.083	0.00	0.16	0.250	O	|	|	|	|	0.63
184.000	0.00	0.22	0.329	O	|	|	|	|	0.83	189.167	0.00	0.16	0.249	O	|	|	|	|	0.63
184.083	0.00	0.21	0.328	O	|	|	|	|	0.83	189.250	0.00	0.16	0.248	O	|	|	|	|	0.62
184.167	0.00	0.21	0.326	O	|	|	|	|	0.82	189.333	0.00	0.16	0.247	O	|	|	|	|	0.62
184.250	0.00	0.21	0.325	O	|	|	|	|	0.82	189.417	0.00	0.16	0.246	O	|	|	|	|	0.62
184.333	0.00	0.21	0.323	O	|	|	|	|	0.81	189.500	0.00	0.16	0.244	O	|	|	|	|	0.62
184.417	0.00	0.21	0.322	O	|	|	|	|	0.81	189.583	0.00	0.16	0.243	O	|	|	|	|	0.61
184.500	0.00	0.21	0.320	O	|	|	|	|	0.81	189.667	0.00	0.16	0.242	O	|	|	|	|	0.61
184.583	0.00	0.21	0.319	O	|	|	|	|	0.80	189.750	0.00	0.16	0.241	O	|	|	|	|	0.61
184.667	0.00	0.21	0.318	O	|	|	|	|	0.80	189.833	0.00	0.16	0.240	O	|	|	|	|	0.60
184.750	0.00	0.21	0.316	O	|	|	|	|	0.80	189.917	0.00	0.16	0.239	O	|	|	|	|	0.60
184.833	0.00	0.21	0.315	O	|	|	|	|	0.79	190.000	0.00	0.16	0.238	O	|	|	|	|	0.60
184.917	0.00	0.21	0.313	O	|	|	|	|	0.79	190.083	0.00	0.16	0.237	O	|	|	|	|	0.60
185.000	0.00	0.20	0.312	O	|	|	|	|	0.79	190.167	0.00	0.15	0.236	O	|	|	|	|	0.59
185.083	0.00	0.20	0.310	O	|	|	|	|	0.78	190.250	0.00	0.15	0.235	O	|	|	|	|	0.59
185.167	0.00	0.20	0.309	O	|	|	|	|	0.78	190.333	0.00	0.15	0.234	O	|	|	|	|	0.59
185.250	0.00	0.20	0.308	O	|	|	|	|	0.77	190.417	0.00	0.15	0.233	O	|	|	|	|	0.59
185.333	0.00	0.20	0.306	O	|	|	|	|	0.77	190.500	0.00	0.15	0.232	O	|	|	|	|	0.58
185.417	0.00	0.20	0.305	O	|	|	|	|	0.77	190.583	0.00	0.15	0.231	O	|	|	|	|	0.58
185.500	0.00	0.20	0.304	O	|	|	|	|	0.76	190.667	0.00	0.15	0.229	O	|	|	|	|	0.58
185.583	0.00	0.20	0.302	O	|	|	|	|	0.76	190.750	0.00	0.15	0.228	O	|	|	|	|	0.58
185.667	0.00	0.20	0.301	O	|	|	|	|	0.76	190.833	0.00	0.15	0.227	O	|	|	|	|	0.57
185.750	0.00	0.20	0.299	O	|	|	|	|	0.75	190.917	0.00	0.15	0.226	O	|	|	|	|	0.57
185.833	0.00	0.20	0.298	O	|	|	|	|	0.75	191.000	0.00	0.15	0.225	O	|	|	|	|	0.57
185.917	0.00	0.19	0.297	O	|	|	|	|	0.75	191.083	0.00	0.15	0.224	O	|	|	|	|	0.57
186.000	0.00	0.19	0.295	O	|	|	|	|	0.74	191.167	0.00	0.15	0.223	O	|	|	|	|	0.56
186.083	0.00	0.19	0.294	O	|	|	|	|	0.74	191.250	0.00	0.15	0.222	O	|	|	|	|	0.56
186.167	0.00	0.19	0.293	O	|	|	|	|	0.74	191.333	0.00	0.14	0.221	O	|	|	|	|	0.56
186.250	0.00	0.19	0.291	O	|	|	|	|	0.73	191.417	0.00	0.14	0.220	O	|	|	|	|	0.56
186.333	0.00	0.19	0.290	O	|	|	|	|	0.73	191.500	0.00	0.14	0.219	O	|	|	|	|	0.55
186.417	0.00	0.19	0.289	O	|	|	|	|	0.73	191.583	0.00	0.14	0.218	O	|	|	|	|	0.55
186.500	0.00	0.19	0.288	O	|	|	|	|	0.72	191.667	0.00	0.14	0.217	O	|	|	|	|	0.55
186.583	0.00	0.19	0.286	O	|	|	|	|	0.72	191.750	0.00	0.14	0.216	O	|	|	|	|	0.55
186.667	0.00	0.19	0.285	O	|	|	|	|	0.72	191.833	0.00	0.14	0.215	O	|	|	|	|	0.54
186.750	0.00	0.19	0.284	O	|	|	|	|	0.71	191.917	0.00	0.14	0.214	O	|	|	|	|	0.54
186.833	0.00	0.18	0.282	O	|	|	|	|	0.71	192.000	0.00	0.14	0.213	O	|	|	|	|	0.54

192.083	0.00	0.14	0.213	O	|	|	|	|	0.54	197.250	0.00	0.11	0.161	O	|	|	|	|	0.40
192.167	0.00	0.14	0.212	O	|	|	|	|	0.53	197.333	0.00	0.10	0.160	O	|	|	|	|	0.40
192.250	0.00	0.14	0.211	O	|	|	|	|	0.53	197.417	0.00	0.10	0.159	O	|	|	|	|	0.40
192.333	0.00	0.14	0.210	O	|	|	|	|	0.53	197.500	0.00	0.10	0.159	O	|	|	|	|	0.40
192.417	0.00	0.14	0.209	O	|	|	|	|	0.53	197.583	0.00	0.10	0.158	O	|	|	|	|	0.40
192.500	0.00	0.14	0.208	O	|	|	|	|	0.52	197.667	0.00	0.10	0.157	O	|	|	|	|	0.40
192.583	0.00	0.14	0.207	O	|	|	|	|	0.52	197.750	0.00	0.10	0.156	O	|	|	|	|	0.39
192.667	0.00	0.13	0.206	O	|	|	|	|	0.52	197.833	0.00	0.10	0.156	O	|	|	|	|	0.39
192.750	0.00	0.13	0.205	O	|	|	|	|	0.52	197.917	0.00	0.10	0.155	O	|	|	|	|	0.39
192.833	0.00	0.13	0.204	O	|	|	|	|	0.51	198.000	0.00	0.10	0.154	O	|	|	|	|	0.39
192.917	0.00	0.13	0.203	O	|	|	|	|	0.51	198.083	0.00	0.10	0.154	O	|	|	|	|	0.39
193.000	0.00	0.13	0.202	O	|	|	|	|	0.51	198.167	0.00	0.10	0.153	O	|	|	|	|	0.39
193.083	0.00	0.13	0.201	O	|	|	|	|	0.51	198.250	0.00	0.10	0.152	O	|	|	|	|	0.38
193.167	0.00	0.13	0.200	O	|	|	|	|	0.50	198.333	0.00	0.10	0.152	O	|	|	|	|	0.38
193.250	0.00	0.13	0.200	O	|	|	|	|	0.50	198.417	0.00	0.10	0.151	O	|	|	|	|	0.38
193.333	0.00	0.13	0.199	O	|	|	|	|	0.50	198.500	0.00	0.10	0.150	O	|	|	|	|	0.38
193.417	0.00	0.13	0.198	O	|	|	|	|	0.50	198.583	0.00	0.10	0.150	O	|	|	|	|	0.38
193.500	0.00	0.13	0.197	O	|	|	|	|	0.50	198.667	0.00	0.10	0.149	O	|	|	|	|	0.37
193.583	0.00	0.13	0.196	O	|	|	|	|	0.49	198.750	0.00	0.10	0.148	O	|	|	|	|	0.37
193.667	0.00	0.13	0.195	O	|	|	|	|	0.49	198.833	0.00	0.10	0.147	O	|	|	|	|	0.37
193.750	0.00	0.13	0.194	O	|	|	|	|	0.49	198.917	0.00	0.10	0.147	O	|	|	|	|	0.37
193.833	0.00	0.13	0.193	O	|	|	|	|	0.49	199.000	0.00	0.10	0.146	O	|	|	|	|	0.37
193.917	0.00	0.13	0.192	O	|	|	|	|	0.48	199.083	0.00	0.10	0.146	O	|	|	|	|	0.37
194.000	0.00	0.13	0.192	O	|	|	|	|	0.48	199.167	0.00	0.09	0.145	O	|	|	|	|	0.36
194.083	0.00	0.12	0.191	O	|	|	|	|	0.48	199.250	0.00	0.09	0.144	O	|	|	|	|	0.36
194.167	0.00	0.12	0.190	O	|	|	|	|	0.48	199.333	0.00	0.09	0.144	O	|	|	|	|	0.36
194.250	0.00	0.12	0.189	O	|	|	|	|	0.48	199.417	0.00	0.09	0.143	O	|	|	|	|	0.36
194.333	0.00	0.12	0.188	O	|	|	|	|	0.47	199.500	0.00	0.09	0.142	O	|	|	|	|	0.36
194.417	0.00	0.12	0.187	O	|	|	|	|	0.47	199.583	0.00	0.09	0.142	O	|	|	|	|	0.36
194.500	0.00	0.12	0.186	O	|	|	|	|	0.47	199.667	0.00	0.09	0.141	O	|	|	|	|	0.36
194.583	0.00	0.12	0.186	O	|	|	|	|	0.47	199.750	0.00	0.09	0.140	O	|	|	|	|	0.35
194.667	0.00	0.12	0.185	O	|	|	|	|	0.47	199.833	0.00	0.09	0.140	O	|	|	|	|	0.35
194.750	0.00	0.12	0.184	O	|	|	|	|	0.46	199.917	0.00	0.09	0.139	O	|	|	|	|	0.35
194.833	0.00	0.12	0.183	O	|	|	|	|	0.46	200.000	0.00	0.09	0.138	O	|	|	|	|	0.35
194.917	0.00	0.12	0.182	O	|	|	|	|	0.46	200.083	0.00	0.09	0.138	O	|	|	|	|	0.35
195.000	0.00	0.12	0.182	O	|	|	|	|	0.46	200.167	0.00	0.09	0.137	O	|	|	|	|	0.35
195.083	0.00	0.12	0.181	O	|	|	|	|	0.46	200.250	0.00	0.09	0.137	O	|	|	|	|	0.34
195.167	0.00	0.12	0.180	O	|	|	|	|	0.45	200.333	0.00	0.09	0.136	O	|	|	|	|	0.34
195.250	0.00	0.12	0.179	O	|	|	|	|	0.45	200.417	0.00	0.09	0.135	O	|	|	|	|	0.34
195.333	0.00	0.12	0.178	O	|	|	|	|	0.45	200.500	0.00	0.09	0.135	O	|	|	|	|	0.34
195.417	0.00	0.12	0.177	O	|	|	|	|	0.45	200.583	0.00	0.09	0.134	O	|	|	|	|	0.34
195.500	0.00	0.12	0.177	O	|	|	|	|	0.44	200.667	0.00	0.09	0.134	O	|	|	|	|	0.34
195.583	0.00	0.12	0.176	O	|	|	|	|	0.44	200.750	0.00	0.09	0.133	O	|	|	|	|	0.33
195.667	0.00	0.11	0.175	O	|	|	|	|	0.44	200.833	0.00	0.09	0.132	O	|	|	|	|	0.33
195.750	0.00	0.11	0.174	O	|	|	|	|	0.44	200.917	0.00	0.09	0.132	O	|	|	|	|	0.33
195.833	0.00	0.11	0.173	O	|	|	|	|	0.44	201.000	0.00	0.09	0.131	O	|	|	|	|	0.33
195.917	0.00	0.11	0.173	O	|	|	|	|	0.44	201.083	0.00	0.09	0.131	O	|	|	|	|	0.33
196.000	0.00	0.11	0.172	O	|	|	|	|	0.43	201.167	0.00	0.09	0.130	O	|	|	|	|	0.33
196.083	0.00	0.11	0.171	O	|	|	|	|	0.43	201.250	0.00	0.08	0.129	O	|	|	|	|	0.33
196.167	0.00	0.11	0.170	O	|	|	|	|	0.43	201.333	0.00	0.08	0.129	O	|	|	|	|	0.32
196.250	0.00	0.11	0.170	O	|	|	|	|	0.43	201.417	0.00	0.08	0.128	O	|	|	|	|	0.32
196.333	0.00	0.11	0.169	O	|	|	|	|	0.43	201.500	0.00	0.08	0.128	O	|	|	|	|	0.32
196.417	0.00	0.11	0.168	O	|	|	|	|	0.42	201.583	0.00	0.08	0.127	O	|	|	|	|	0.32
196.500	0.00	0.11	0.167	O	|	|	|	|	0.42	201.667	0.00	0.08	0.127	O	|	|	|	|	0.32
196.583	0.00	0.11	0.167	O	|	|	|	|	0.42	201.750	0.00	0.08	0.126	O	|	|	|	|	0.32
196.667	0.00	0.11	0.166	O	|	|	|	|	0.42	201.833	0.00	0.08	0.125	O	|	|	|	|	0.32
196.750	0.00	0.11	0.165	O	|	|	|	|	0.42	201.917	0.00	0.08	0.125	O	|	|	|	|	0.31
196.833	0.00	0.11	0.164	O	|	|	|	|	0.41	202.000	0.00	0.08	0.124	O	|	|	|	|	0.31
196.917	0.00	0.11	0.164	O	|	|	|	|	0.41	202.083	0.00	0.08	0.124	O	|	|	|	|	0.31
197.000	0.00	0.11	0.163	O	|	|	|	|	0.41	202.167	0.00	0.08	0.123	O	|	|	|	|	0.31
197.083	0.00	0.11	0.162	O	|	|	|	|	0.41	202.250	0.00	0.08	0.123	O	|	|	|	|	0.31
197.167	0.00	0.11	0.161	O	|	|	|	|	0.41	202.333	0.00	0.08	0.122	O	|	|	|	|	0.31

202.417	0.00	0.08	0.121	O	|	|	|	|	0.31	207.583	0.00	0.06	0.092	O	|	|	|	|	0.23
202.500	0.00	0.08	0.121	O	|	|	|	|	0.30	207.667	0.00	0.06	0.091	O	|	|	|	|	0.23
202.583	0.00	0.08	0.120	O	|	|	|	|	0.30	207.750	0.00	0.06	0.091	O	|	|	|	|	0.23
202.667	0.00	0.08	0.120	O	|	|	|	|	0.30	207.833	0.00	0.06	0.091	O	|	|	|	|	0.23
202.750	0.00	0.08	0.119	O	|	|	|	|	0.30	207.917	0.00	0.06	0.090	O	|	|	|	|	0.23
202.833	0.00	0.08	0.119	O	|	|	|	|	0.30	208.000	0.00	0.06	0.090	O	|	|	|	|	0.23
202.917	0.00	0.08	0.118	O	|	|	|	|	0.30	208.083	0.00	0.06	0.089	O	|	|	|	|	0.23
203.000	0.00	0.08	0.118	O	|	|	|	|	0.30	208.167	0.00	0.06	0.089	O	|	|	|	|	0.22
203.083	0.00	0.08	0.117	O	|	|	|	|	0.30	208.250	0.00	0.06	0.089	O	|	|	|	|	0.22
203.167	0.00	0.08	0.117	O	|	|	|	|	0.29	208.333	0.00	0.06	0.088	O	|	|	|	|	0.22
203.250	0.00	0.08	0.116	O	|	|	|	|	0.29	208.417	0.00	0.06	0.088	O	|	|	|	|	0.22
203.333	0.00	0.08	0.116	O	|	|	|	|	0.29	208.500	0.00	0.06	0.087	O	|	|	|	|	0.22
203.417	0.00	0.08	0.115	O	|	|	|	|	0.29	208.583	0.00	0.06	0.087	O	|	|	|	|	0.22
203.500	0.00	0.08	0.115	O	|	|	|	|	0.29	208.667	0.00	0.06	0.087	O	|	|	|	|	0.22
203.583	0.00	0.07	0.114	O	|	|	|	|	0.29	208.750	0.00	0.06	0.086	O	|	|	|	|	0.22
203.667	0.00	0.07	0.114	O	|	|	|	|	0.29	208.833	0.00	0.06	0.086	O	|	|	|	|	0.22
203.750	0.00	0.07	0.113	O	|	|	|	|	0.28	208.917	0.00	0.06	0.085	O	|	|	|	|	0.22
203.833	0.00	0.07	0.113	O	|	|	|	|	0.28	209.000	0.00	0.06	0.085	O	|	|	|	|	0.21
203.917	0.00	0.07	0.112	O	|	|	|	|	0.28	209.083	0.00	0.06	0.085	O	|	|	|	|	0.21
204.000	0.00	0.07	0.112	O	|	|	|	|	0.28	209.167	0.00	0.06	0.084	O	|	|	|	|	0.21
204.083	0.00	0.07	0.111	O	|	|	|	|	0.28	209.250	0.00	0.05	0.084	O	|	|	|	|	0.21
204.167	0.00	0.07	0.111	O	|	|	|	|	0.28	209.333	0.00	0.05	0.084	O	|	|	|	|	0.21
204.250	0.00	0.07	0.110	O	|	|	|	|	0.28	209.417	0.00	0.05	0.083	O	|	|	|	|	0.21
204.333	0.00	0.07	0.110	O	|	|	|	|	0.28	209.500	0.00	0.05	0.083	O	|	|	|	|	0.21
204.417	0.00	0.07	0.109	O	|	|	|	|	0.27	209.583	0.00	0.05	0.082	O	|	|	|	|	0.21
204.500	0.00	0.07	0.109	O	|	|	|	|	0.27	209.667	0.00	0.05	0.082	O	|	|	|	|	0.21
204.583	0.00	0.07	0.108	O	|	|	|	|	0.27	209.750	0.00	0.05	0.082	O	|	|	|	|	0.21
204.667	0.00	0.07	0.108	O	|	|	|	|	0.27	209.833	0.00	0.05	0.081	O	|	|	|	|	0.20
204.750	0.00	0.07	0.107	O	|	|	|	|	0.27	209.917	0.00	0.05	0.081	O	|	|	|	|	0.20
204.833	0.00	0.07	0.107	O	|	|	|	|	0.27	210.000	0.00	0.05	0.081	O	|	|	|	|	0.20
204.917	0.00	0.07	0.106	O	|	|	|	|	0.27	210.083	0.00	0.05	0.080	O	|	|	|	|	0.20
205.000	0.00	0.07	0.106	O	|	|	|	|	0.27	210.167	0.00	0.05	0.080	O	|	|	|	|	0.20
205.083	0.00	0.07	0.105	O	|	|	|	|	0.26	210.250	0.00	0.05	0.080	O	|	|	|	|	0.20
205.167	0.00	0.07	0.105	O	|	|	|	|	0.26	210.333	0.00	0.05	0.079	O	|	|	|	|	0.20
205.250	0.00	0.07	0.104	O	|	|	|	|	0.26	210.417	0.00	0.05	0.079	O	|	|	|	|	0.20
205.333	0.00	0.07	0.104	O	|	|	|	|	0.26	210.500	0.00	0.05	0.078	O	|	|	|	|	0.20
205.417	0.00	0.07	0.103	O	|	|	|	|	0.26	210.583	0.00	0.05	0.078	O	|	|	|	|	0.20
205.500	0.00	0.07	0.103	O	|	|	|	|	0.26	210.667	0.00	0.05	0.078	O	|	|	|	|	0.20
205.583	0.00	0.07	0.102	O	|	|	|	|	0.26	210.750	0.00	0.05	0.077	O	|	|	|	|	0.19
205.667	0.00	0.07	0.102	O	|	|	|	|	0.26	210.833	0.00	0.05	0.077	O	|	|	|	|	0.19
205.750	0.00	0.07	0.101	O	|	|	|	|	0.26	210.917	0.00	0.05	0.077	O	|	|	|	|	0.19
205.833	0.00	0.07	0.101	O	|	|	|	|	0.25	211.000	0.00	0.05	0.076	O	|	|	|	|	0.19
205.917	0.00	0.07	0.101	O	|	|	|	|	0.25	211.083	0.00	0.05	0.076	O	|	|	|	|	0.19
206.000	0.00	0.07	0.100	O	|	|	|	|	0.25	211.167	0.00	0.05	0.076	O	|	|	|	|	0.19
206.083	0.00	0.07	0.100	O	|	|	|	|	0.25	211.250	0.00	0.05	0.075	O	|	|	|	|	0.19
206.167	0.00	0.06	0.099	O	|	|	|	|	0.25	211.333	0.00	0.05	0.075	O	|	|	|	|	0.19
206.250	0.00	0.06	0.099	O	|	|	|	|	0.25	211.417	0.00	0.05	0.075	O	|	|	|	|	0.19
206.333	0.00	0.06	0.098	O	|	|	|	|	0.25	211.500	0.00	0.05	0.074	O	|	|	|	|	0.19
206.417	0.00	0.06	0.098	O	|	|	|	|	0.25	211.583	0.00	0.05	0.074	O	|	|	|	|	0.19
206.500	0.00	0.06	0.097	O	|	|	|	|	0.25	211.667	0.00	0.05	0.074	O	|	|	|	|	0.19
206.583	0.00	0.06	0.097	O	|	|	|	|	0.24	211.750	0.00	0.05	0.073	O	|	|	|	|	0.18
206.667	0.00	0.06	0.097	O	|	|	|	|	0.24	211.833	0.00	0.05	0.073	O	|	|	|	|	0.18
206.750	0.00	0.06	0.096	O	|	|	|	|	0.24	211.917	0.00	0.05	0.073	O	|	|	|	|	0.18
206.833	0.00	0.06	0.096	O	|	|	|	|	0.24	212.000	0.00	0.05	0.072	O	|	|	|	|	0.18
206.917	0.00	0.06	0.095	O	|	|	|	|	0.24	212.083	0.00	0.05	0.072	O	|	|	|	|	0.18
207.000	0.00	0.06	0.095	O	|	|	|	|	0.24	212.167	0.00	0.05	0.072	O	|	|	|	|	0.18
207.083	0.00	0.06	0.094	O	|	|	|	|	0.24	212.250	0.00	0.05	0.071	O	|	|	|	|	0.18
207.167	0.00	0.06	0.094	O	|	|	|	|	0.24	212.333	0.00	0.05	0.071	O	|	|	|	|	0.18
207.250	0.00	0.06	0.094	O	|	|	|	|	0.24	212.417	0.00	0.05	0.071	O	|	|	|	|	0.18
207.333	0.00	0.06	0.093	O	|	|	|	|	0.23	212.500	0.00	0.05	0.070	O	|	|	|	|	0.18
207.417	0.00	0.06	0.093	O	|	|	|	|	0.23	212.583	0.00	0.05	0.070	O	|	|	|	|	0.18
207.500	0.00	0.06	0.092	O	|	|	|	|	0.23	212.667	0.00	0.05	0.070	O	|	|	|	|	0.18

212.750	0.00	0.05	0.069	O	|	|	|	|	0.17	217.917	0.00	0.03	0.053	O	|	|	|	|	0.13
212.833	0.00	0.05	0.069	O	|	|	|	|	0.17	218.000	0.00	0.03	0.052	O	|	|	|	|	0.13
212.917	0.00	0.05	0.069	O	|	|	|	|	0.17	218.083	0.00	0.03	0.052	O	|	|	|	|	0.13
213.000	0.00	0.04	0.069	O	|	|	|	|	0.17	218.167	0.00	0.03	0.052	O	|	|	|	|	0.13
213.083	0.00	0.04	0.068	O	|	|	|	|	0.17	218.250	0.00	0.03	0.052	O	|	|	|	|	0.13
213.167	0.00	0.04	0.068	O	|	|	|	|	0.17	218.333	0.00	0.03	0.051	O	|	|	|	|	0.13
213.250	0.00	0.04	0.068	O	|	|	|	|	0.17	218.417	0.00	0.03	0.051	O	|	|	|	|	0.13
213.333	0.00	0.04	0.067	O	|	|	|	|	0.17	218.500	0.00	0.03	0.051	O	|	|	|	|	0.13
213.417	0.00	0.04	0.067	O	|	|	|	|	0.17	218.583	0.00	0.03	0.051	O	|	|	|	|	0.13
213.500	0.00	0.04	0.067	O	|	|	|	|	0.17	218.667	0.00	0.03	0.050	O	|	|	|	|	0.13
213.583	0.00	0.04	0.066	O	|	|	|	|	0.17	218.750	0.00	0.03	0.050	O	|	|	|	|	0.13
213.667	0.00	0.04	0.066	O	|	|	|	|	0.17	218.833	0.00	0.03	0.050	O	|	|	|	|	0.13
213.750	0.00	0.04	0.066	O	|	|	|	|	0.17	218.917	0.00	0.03	0.050	O	|	|	|	|	0.13
213.833	0.00	0.04	0.065	O	|	|	|	|	0.16	219.000	0.00	0.03	0.050	O	|	|	|	|	0.12
213.917	0.00	0.04	0.065	O	|	|	|	|	0.16	219.083	0.00	0.03	0.049	O	|	|	|	|	0.12
214.000	0.00	0.04	0.065	O	|	|	|	|	0.16	219.167	0.00	0.03	0.049	O	|	|	|	|	0.12
214.083	0.00	0.04	0.065	O	|	|	|	|	0.16	219.250	0.00	0.03	0.049	O	|	|	|	|	0.12
214.167	0.00	0.04	0.064	O	|	|	|	|	0.16	219.333	0.00	0.03	0.049	O	|	|	|	|	0.12
214.250	0.00	0.04	0.064	O	|	|	|	|	0.16	219.417	0.00	0.03	0.048	O	|	|	|	|	0.12
214.333	0.00	0.04	0.064	O	|	|	|	|	0.16	219.500	0.00	0.03	0.048	O	|	|	|	|	0.12
214.417	0.00	0.04	0.063	O	|	|	|	|	0.16	219.583	0.00	0.03	0.048	O	|	|	|	|	0.12
214.500	0.00	0.04	0.063	O	|	|	|	|	0.16	219.667	0.00	0.03	0.048	O	|	|	|	|	0.12
214.583	0.00	0.04	0.063	O	|	|	|	|	0.16	219.750	0.00	0.03	0.048	O	|	|	|	|	0.12
214.667	0.00	0.04	0.063	O	|	|	|	|	0.16	219.833	0.00	0.03	0.047	O	|	|	|	|	0.12
214.750	0.00	0.04	0.062	O	|	|	|	|	0.16	219.917	0.00	0.03	0.047	O	|	|	|	|	0.12
214.833	0.00	0.04	0.062	O	|	|	|	|	0.16	220.000	0.00	0.03	0.047	O	|	|	|	|	0.12
214.917	0.00	0.04	0.062	O	|	|	|	|	0.16	220.083	0.00	0.03	0.047	O	|	|	|	|	0.12
215.000	0.00	0.04	0.061	O	|	|	|	|	0.15	220.167	0.00	0.03	0.046	O	|	|	|	|	0.12
215.083	0.00	0.04	0.061	O	|	|	|	|	0.15	220.250	0.00	0.03	0.046	O	|	|	|	|	0.12
215.167	0.00	0.04	0.061	O	|	|	|	|	0.15	220.333	0.00	0.03	0.046	O	|	|	|	|	0.12
215.250	0.00	0.04	0.061	O	|	|	|	|	0.15	220.417	0.00	0.03	0.046	O	|	|	|	|	0.12
215.333	0.00	0.04	0.060	O	|	|	|	|	0.15	220.500	0.00	0.03	0.046	O	|	|	|	|	0.11
215.417	0.00	0.04	0.060	O	|	|	|	|	0.15	220.583	0.00	0.03	0.045	O	|	|	|	|	0.11
215.500	0.00	0.04	0.060	O	|	|	|	|	0.15	220.667	0.00	0.03	0.045	O	|	|	|	|	0.11
215.583	0.00	0.04	0.060	O	|	|	|	|	0.15	220.750	0.00	0.03	0.045	O	|	|	|	|	0.11
215.667	0.00	0.04	0.059	O	|	|	|	|	0.15	220.833	0.00	0.03	0.045	O	|	|	|	|	0.11
215.750	0.00	0.04	0.059	O	|	|	|	|	0.15	220.917	0.00	0.03	0.045	O	|	|	|	|	0.11
215.833	0.00	0.04	0.059	O	|	|	|	|	0.15	221.000	0.00	0.03	0.044	O	|	|	|	|	0.11
215.917	0.00	0.04	0.059	O	|	|	|	|	0.15	221.083	0.00	0.03	0.044	O	|	|	|	|	0.11
216.000	0.00	0.04	0.058	O	|	|	|	|	0.15	221.167	0.00	0.03	0.044	O	|	|	|	|	0.11
216.083	0.00	0.04	0.058	O	|	|	|	|	0.15	221.250	0.00	0.03	0.044	O	|	|	|	|	0.11
216.167	0.00	0.04	0.058	O	|	|	|	|	0.15	221.333	0.00	0.03	0.044	O	|	|	|	|	0.11
216.250	0.00	0.04	0.057	O	|	|	|	|	0.14	221.417	0.00	0.03	0.043	O	|	|	|	|	0.11
216.333	0.00	0.04	0.057	O	|	|	|	|	0.14	221.500	0.00	0.03	0.043	O	|	|	|	|	0.11
216.417	0.00	0.04	0.057	O	|	|	|	|	0.14	221.583	0.00	0.03	0.043	O	|	|	|	|	0.11
216.500	0.00	0.04	0.057	O	|	|	|	|	0.14	221.667	0.00	0.03	0.043	O	|	|	|	|	0.11
216.583	0.00	0.04	0.056	O	|	|	|	|	0.14	221.750	0.00	0.03	0.043	O	|	|	|	|	0.11
216.667	0.00	0.04	0.056	O	|	|	|	|	0.14	221.833	0.00	0.03	0.042	O	|	|	|	|	0.11
216.750	0.00	0.04	0.056	O	|	|	|	|	0.14	221.917	0.00	0.03	0.042	O	|	|	|	|	0.11
216.833	0.00	0.04	0.056	O	|	|	|	|	0.14	222.000	0.00	0.03	0.042	O	|	|	|	|	0.11
216.917	0.00	0.04	0.055	O	|	|	|	|	0.14	222.083	0.00	0.03	0.042	O	|	|	|	|	0.11
217.000	0.00	0.04	0.055	O	|	|	|	|	0.14	222.167	0.00	0.03	0.042	O	|	|	|	|	0.11
217.083	0.00	0.04	0.055	O	|	|	|	|	0.14	222.250	0.00	0.03	0.042	O	|	|	|	|	0.10
217.167	0.00	0.04	0.055	O	|	|	|	|	0.14	222.333	0.00	0.03	0.041	O	|	|	|	|	0.10
217.250	0.00	0.04	0.054	O	|	|	|	|	0.14	222.417	0.00	0.03	0.041	O	|	|	|	|	0.10
217.333	0.00	0.04	0.054	O	|	|	|	|	0.14	222.500	0.00	0.03	0.041	O	|	|	|	|	0.10
217.417	0.00	0.04	0.054	O	|	|	|	|	0.14	222.583	0.00	0.03	0.041	O	|	|	|	|	0.10
217.500	0.00	0.04	0.054	O	|	|	|	|	0.14	222.667	0.00	0.03	0.041	O	|	|	|	|	0.10
217.583	0.00	0.04	0.053	O	|	|	|	|	0.13	222.750	0.00	0.03	0.040	O	|	|	|	|	0.10
217.667	0.00	0.03	0.053	O	|	|	|	|	0.13	222.833	0.00	0.03	0.040	O	|	|	|	|	0.10
217.750	0.00	0.03	0.053	O	|	|	|	|	0.13	222.917	0.00	0.03	0.040	O	|	|	|	|	0.10
217.833	0.00	0.03	0.053	O	|	|	|	|	0.13	223.000	0.00	0.03	0.040	O	|	|	|	|	0.10

223.083	0.00	0.03	0.040	O	|	|	|	|	0.10	228.250	0.00	0.02	0.030	O	|	|	|	|	0.08
223.167	0.00	0.03	0.040	O	|	|	|	|	0.10	228.333	0.00	0.02	0.030	O	|	|	|	|	0.08
223.250	0.00	0.03	0.039	O	|	|	|	|	0.10	228.417	0.00	0.02	0.030	O	|	|	|	|	0.07
223.333	0.00	0.03	0.039	O	|	|	|	|	0.10	228.500	0.00	0.02	0.030	O	|	|	|	|	0.07
223.417	0.00	0.03	0.039	O	|	|	|	|	0.10	228.583	0.00	0.02	0.029	O	|	|	|	|	0.07
223.500	0.00	0.03	0.039	O	|	|	|	|	0.10	228.667	0.00	0.02	0.029	O	|	|	|	|	0.07
223.583	0.00	0.03	0.039	O	|	|	|	|	0.10	228.750	0.00	0.02	0.029	O	|	|	|	|	0.07
223.667	0.00	0.03	0.038	O	|	|	|	|	0.10	228.833	0.00	0.02	0.029	O	|	|	|	|	0.07
223.750	0.00	0.03	0.038	O	|	|	|	|	0.10	228.917	0.00	0.02	0.029	O	|	|	|	|	0.07
223.833	0.00	0.02	0.038	O	|	|	|	|	0.10	229.000	0.00	0.02	0.029	O	|	|	|	|	0.07
223.917	0.00	0.02	0.038	O	|	|	|	|	0.10	229.083	0.00	0.02	0.029	O	|	|	|	|	0.07
224.000	0.00	0.02	0.038	O	|	|	|	|	0.10	229.167	0.00	0.02	0.029	O	|	|	|	|	0.07
224.083	0.00	0.02	0.038	O	|	|	|	|	0.09	229.250	0.00	0.02	0.028	O	|	|	|	|	0.07
224.167	0.00	0.02	0.037	O	|	|	|	|	0.09	229.333	0.00	0.02	0.028	O	|	|	|	|	0.07
224.250	0.00	0.02	0.037	O	|	|	|	|	0.09	229.417	0.00	0.02	0.028	O	|	|	|	|	0.07
224.333	0.00	0.02	0.037	O	|	|	|	|	0.09	229.500	0.00	0.02	0.028	O	|	|	|	|	0.07
224.417	0.00	0.02	0.037	O	|	|	|	|	0.09	229.583	0.00	0.02	0.028	O	|	|	|	|	0.07
224.500	0.00	0.02	0.037	O	|	|	|	|	0.09	229.667	0.00	0.02	0.028	O	|	|	|	|	0.07
224.583	0.00	0.02	0.037	O	|	|	|	|	0.09	229.750	0.00	0.02	0.028	O	|	|	|	|	0.07
224.667	0.00	0.02	0.036	O	|	|	|	|	0.09	229.833	0.00	0.02	0.028	O	|	|	|	|	0.07
224.750	0.00	0.02	0.036	O	|	|	|	|	0.09	229.917	0.00	0.02	0.027	O	|	|	|	|	0.07
224.833	0.00	0.02	0.036	O	|	|	|	|	0.09	230.000	0.00	0.02	0.027	O	|	|	|	|	0.07
224.917	0.00	0.02	0.036	O	|	|	|	|	0.09	230.083	0.00	0.02	0.027	O	|	|	|	|	0.07
225.000	0.00	0.02	0.036	O	|	|	|	|	0.09	230.167	0.00	0.02	0.027	O	|	|	|	|	0.07
225.083	0.00	0.02	0.036	O	|	|	|	|	0.09	230.250	0.00	0.02	0.027	O	|	|	|	|	0.07
225.167	0.00	0.02	0.035	O	|	|	|	|	0.09	230.333	0.00	0.02	0.027	O	|	|	|	|	0.07
225.250	0.00	0.02	0.035	O	|	|	|	|	0.09	230.417	0.00	0.02	0.027	O	|	|	|	|	0.07
225.333	0.00	0.02	0.035	O	|	|	|	|	0.09	230.500	0.00	0.02	0.027	O	|	|	|	|	0.07
225.417	0.00	0.02	0.035	O	|	|	|	|	0.09	230.583	0.00	0.02	0.026	O	|	|	|	|	0.07
225.500	0.00	0.02	0.035	O	|	|	|	|	0.09	230.667	0.00	0.02	0.026	O	|	|	|	|	0.07
225.583	0.00	0.02	0.035	O	|	|	|	|	0.09	230.750	0.00	0.02	0.026	O	|	|	|	|	0.07
225.667	0.00	0.02	0.035	O	|	|	|	|	0.09	230.833	0.00	0.02	0.026	O	|	|	|	|	0.07
225.750	0.00	0.02	0.034	O	|	|	|	|	0.09	230.917	0.00	0.02	0.026	O	|	|	|	|	0.07
225.833	0.00	0.02	0.034	O	|	|	|	|	0.09	231.000	0.00	0.02	0.026	O	|	|	|	|	0.07
225.917	0.00	0.02	0.034	O	|	|	|	|	0.09	231.083	0.00	0.02	0.026	O	|	|	|	|	0.06
226.000	0.00	0.02	0.034	O	|	|	|	|	0.09	231.167	0.00	0.02	0.026	O	|	|	|	|	0.06
226.083	0.00	0.02	0.034	O	|	|	|	|	0.09	231.250	0.00	0.02	0.026	O	|	|	|	|	0.06
226.167	0.00	0.02	0.034	O	|	|	|	|	0.08	231.333	0.00	0.02	0.025	O	|	|	|	|	0.06
226.250	0.00	0.02	0.033	O	|	|	|	|	0.08	231.417	0.00	0.02	0.025	O	|	|	|	|	0.06
226.333	0.00	0.02	0.033	O	|	|	|	|	0.08	231.500	0.00	0.02	0.025	O	|	|	|	|	0.06
226.417	0.00	0.02	0.033	O	|	|	|	|	0.08	231.583	0.00	0.02	0.025	O	|	|	|	|	0.06
226.500	0.00	0.02	0.033	O	|	|	|	|	0.08	231.667	0.00	0.02	0.025	O	|	|	|	|	0.06
226.583	0.00	0.02	0.033	O	|	|	|	|	0.08	231.750	0.00	0.02	0.025	O	|	|	|	|	0.06
226.667	0.00	0.02	0.033	O	|	|	|	|	0.08	231.833	0.00	0.02	0.025	O	|	|	|	|	0.06
226.750	0.00	0.02	0.033	O	|	|	|	|	0.08	231.917	0.00	0.02	0.025	O	|	|	|	|	0.06
226.833	0.00	0.02	0.032	O	|	|	|	|	0.08	232.000	0.00	0.02	0.024	O	|	|	|	|	0.06
226.917	0.00	0.02	0.032	O	|	|	|	|	0.08	232.083	0.00	0.02	0.024	O	|	|	|	|	0.06
227.000	0.00	0.02	0.032	O	|	|	|	|	0.08	232.167	0.00	0.02	0.024	O	|	|	|	|	0.06
227.083	0.00	0.02	0.032	O	|	|	|	|	0.08	232.250	0.00	0.02	0.024	O	|	|	|	|	0.06
227.167	0.00	0.02	0.032	O	|	|	|	|	0.08	232.333	0.00	0.02	0.024	O	|	|	|	|	0.06
227.250	0.00	0.02	0.032	O	|	|	|	|	0.08	232.417	0.00	0.02	0.024	O	|	|	|	|	0.06
227.333	0.00	0.02	0.032	O	|	|	|	|	0.08	232.500	0.00	0.02	0.024	O	|	|	|	|	0.06
227.417	0.00	0.02	0.031	O	|	|	|	|	0.08	232.583	0.00	0.02	0.024	O	|	|	|	|	0.06
227.500	0.00	0.02	0.031	O	|	|	|	|	0.08	232.667	0.00	0.02	0.024	O	|	|	|	|	0.06
227.583	0.00	0.02	0.031	O	|	|	|	|	0.08	232.750	0.00	0.02	0.024	O	|	|	|	|	0.06
227.667	0.00	0.02	0.031	O	|	|	|	|	0.08	232.833	0.00	0.02	0.023	O	|	|	|	|	0.06
227.750	0.00	0.02	0.031	O	|	|	|	|	0.08	232.917	0.00	0.02	0.023	O	|	|	|	|	0.06
227.833	0.00	0.02	0.031	O	|	|	|	|	0.08	233.000	0.00	0.02	0.023	O	|	|	|	|	0.06
227.917	0.00	0.02	0.031	O	|	|	|	|	0.08	233.083	0.00	0.02	0.023	O	|	|	|	|	0.06
228.000	0.00	0.02	0.030	O	|	|	|	|	0.08	233.167	0.00	0.02	0.023	O	|	|	|	|	0.06
228.083	0.00	0.02	0.030	O	|	|	|	|	0.08	233.250	0.00	0.01	0.023	O	|	|	|	|	0.06
228.167	0.00	0.02	0.030	O	|	|	|	|	0.08	233.333	0.00	0.01	0.023	O	|	|	|	|	0.06

233.417	0.00	0.01	0.023	O	|	|	|	|	0.06	238.583	0.00	0.01	0.017	O	|	|	|	|	0.04
233.500	0.00	0.01	0.023	O	|	|	|	|	0.06	238.667	0.00	0.01	0.017	O	|	|	|	|	0.04
233.583	0.00	0.01	0.022	O	|	|	|	|	0.06	238.750	0.00	0.01	0.017	O	|	|	|	|	0.04
233.667	0.00	0.01	0.022	O	|	|	|	|	0.06	238.833	0.00	0.01	0.017	O	|	|	|	|	0.04
233.750	0.00	0.01	0.022	O	|	|	|	|	0.06	238.917	0.00	0.01	0.017	O	|	|	|	|	0.04
233.833	0.00	0.01	0.022	O	|	|	|	|	0.06	239.000	0.00	0.01	0.017	O	|	|	|	|	0.04
233.917	0.00	0.01	0.022	O	|	|	|	|	0.06	239.083	0.00	0.01	0.017	O	|	|	|	|	0.04
234.000	0.00	0.01	0.022	O	|	|	|	|	0.06	239.167	0.00	0.01	0.017	O	|	|	|	|	0.04
234.083	0.00	0.01	0.022	O	|	|	|	|	0.06	239.250	0.00	0.01	0.017	O	|	|	|	|	0.04
234.167	0.00	0.01	0.022	O	|	|	|	|	0.05	239.333	0.00	0.01	0.016	O	|	|	|	|	0.04
234.250	0.00	0.01	0.022	O	|	|	|	|	0.05	239.417	0.00	0.01	0.016	O	|	|	|	|	0.04
234.333	0.00	0.01	0.022	O	|	|	|	|	0.05	239.500	0.00	0.01	0.016	O	|	|	|	|	0.04
234.417	0.00	0.01	0.021	O	|	|	|	|	0.05	239.583	0.00	0.01	0.016	O	|	|	|	|	0.04
234.500	0.00	0.01	0.021	O	|	|	|	|	0.05	239.667	0.00	0.01	0.016	O	|	|	|	|	0.04
234.583	0.00	0.01	0.021	O	|	|	|	|	0.05	239.750	0.00	0.01	0.016	O	|	|	|	|	0.04
234.667	0.00	0.01	0.021	O	|	|	|	|	0.05	239.833	0.00	0.01	0.016	O	|	|	|	|	0.04
234.750	0.00	0.01	0.021	O	|	|	|	|	0.05	239.917	0.00	0.01	0.016	O	|	|	|	|	0.04
234.833	0.00	0.01	0.021	O	|	|	|	|	0.05	240.000	0.00	0.01	0.016	O	|	|	|	|	0.04
234.917	0.00	0.01	0.021	O	|	|	|	|	0.05	240.083	0.00	0.01	0.016	O	|	|	|	|	0.04
235.000	0.00	0.01	0.021	O	|	|	|	|	0.05	240.167	0.00	0.01	0.016	O	|	|	|	|	0.04
235.083	0.00	0.01	0.021	O	|	|	|	|	0.05	240.250	0.00	0.01	0.016	O	|	|	|	|	0.04
235.167	0.00	0.01	0.021	O	|	|	|	|	0.05	240.333	0.00	0.01	0.016	O	|	|	|	|	0.04
235.250	0.00	0.01	0.021	O	|	|	|	|	0.05	240.417	0.00	0.01	0.016	O	|	|	|	|	0.04
235.333	0.00	0.01	0.020	O	|	|	|	|	0.05	240.500	0.00	0.01	0.015	O	|	|	|	|	0.04
235.417	0.00	0.01	0.020	O	|	|	|	|	0.05	240.583	0.00	0.01	0.015	O	|	|	|	|	0.04
235.500	0.00	0.01	0.020	O	|	|	|	|	0.05	240.667	0.00	0.01	0.015	O	|	|	|	|	0.04
235.583	0.00	0.01	0.020	O	|	|	|	|	0.05	240.750	0.00	0.01	0.015	O	|	|	|	|	0.04
235.667	0.00	0.01	0.020	O	|	|	|	|	0.05	240.833	0.00	0.01	0.015	O	|	|	|	|	0.04
235.750	0.00	0.01	0.020	O	|	|	|	|	0.05	240.917	0.00	0.01	0.015	O	|	|	|	|	0.04
235.833	0.00	0.01	0.020	O	|	|	|	|	0.05	241.000	0.00	0.01	0.015	O	|	|	|	|	0.04
235.917	0.00	0.01	0.020	O	|	|	|	|	0.05	241.083	0.00	0.01	0.015	O	|	|	|	|	0.04
236.000	0.00	0.01	0.020	O	|	|	|	|	0.05	241.167	0.00	0.01	0.015	O	|	|	|	|	0.04
236.083	0.00	0.01	0.020	O	|	|	|	|	0.05	241.250	0.00	0.01	0.015	O	|	|	|	|	0.04
236.167	0.00	0.01	0.020	O	|	|	|	|	0.05	241.333	0.00	0.01	0.015	O	|	|	|	|	0.04
236.250	0.00	0.01	0.019	O	|	|	|	|	0.05	241.417	0.00	0.01	0.015	O	|	|	|	|	0.04
236.333	0.00	0.01	0.019	O	|	|	|	|	0.05	241.500	0.00	0.01	0.015	O	|	|	|	|	0.04
236.417	0.00	0.01	0.019	O	|	|	|	|	0.05	241.583	0.00	0.01	0.015	O	|	|	|	|	0.04
236.500	0.00	0.01	0.019	O	|	|	|	|	0.05	241.667	0.00	0.01	0.015	O	|	|	|	|	0.04
236.583	0.00	0.01	0.019	O	|	|	|	|	0.05	241.750	0.00	0.01	0.014	O	|	|	|	|	0.04
236.667	0.00	0.01	0.019	O	|	|	|	|	0.05	241.833	0.00	0.01	0.014	O	|	|	|	|	0.04
236.750	0.00	0.01	0.019	O	|	|	|	|	0.05	241.917	0.00	0.01	0.014	O	|	|	|	|	0.04
236.833	0.00	0.01	0.019	O	|	|	|	|	0.05	242.000	0.00	0.01	0.014	O	|	|	|	|	0.04
236.917	0.00	0.01	0.019	O	|	|	|	|	0.05	242.083	0.00	0.01	0.014	O	|	|	|	|	0.04
237.000	0.00	0.01	0.019	O	|	|	|	|	0.05	242.167	0.00	0.01	0.014	O	|	|	|	|	0.04
237.083	0.00	0.01	0.019	O	|	|	|	|	0.05	242.250	0.00	0.01	0.014	O	|	|	|	|	0.04
237.167	0.00	0.01	0.019	O	|	|	|	|	0.05	242.333	0.00	0.01	0.014	O	|	|	|	|	0.04
237.250	0.00	0.01	0.018	O	|	|	|	|	0.05	242.417	0.00	0.01	0.014	O	|	|	|	|	0.04
237.333	0.00	0.01	0.018	O	|	|	|	|	0.05	242.500	0.00	0.01	0.014	O	|	|	|	|	0.03
237.417	0.00	0.01	0.018	O	|	|	|	|	0.05	242.583	0.00	0.01	0.014	O	|	|	|	|	0.03
237.500	0.00	0.01	0.018	O	|	|	|	|	0.05	242.667	0.00	0.01	0.014	O	|	|	|	|	0.03
237.583	0.00	0.01	0.018	O	|	|	|	|	0.05	242.750	0.00	0.01	0.014	O	|	|	|	|	0.03
237.667	0.00	0.01	0.018	O	|	|	|	|	0.05	242.833	0.00	0.01	0.014	O	|	|	|	|	0.03
237.750	0.00	0.01	0.018	O	|	|	|	|	0.05	242.917	0.00	0.01	0.014	O	|	|	|	|	0.03
237.833	0.00	0.01	0.018	O	|	|	|	|	0.05	243.000	0.00	0.01	0.014	O	|	|	|	|	0.03
237.917	0.00	0.01	0.018	O	|	|	|	|	0.04	243.083	0.00	0.01	0.013	O	|	|	|	|	0.03
238.000	0.00	0.01	0.018	O	|	|	|	|	0.04	243.167	0.00	0.01	0.013	O	|	|	|	|	0.03
238.083	0.00	0.01	0.018	O	|	|	|	|	0.04	243.250	0.00	0.01	0.013	O	|	|	|	|	0.03
238.167	0.00	0.01	0.018	O	|	|	|	|	0.04	243.333	0.00	0.01	0.013	O	|	|	|	|	0.03
238.250	0.00	0.01	0.017	O	|	|	|	|	0.04	243.417	0.00	0.01	0.013	O	|	|	|	|	0.03
238.333	0.00	0.01	0.017	O	|	|	|	|	0.04	243.500	0.00	0.01	0.013	O	|	|	|	|	0.03
238.417	0.00	0.01	0.017	O	|	|	|	|	0.04	243.583	0.00	0.01	0.013	O	|	|	|	|	0.03
238.500	0.00	0.01	0.017	O	|	|	|	|	0.04	243.667	0.00	0.01	0.013	O	|	|	|	|	0.03

243.750	0.00	0.01	0.013	O	|	|	|	|	0.03	248.917	0.00	0.01	0.010	O	|	|	|	|	0.02
243.833	0.00	0.01	0.013	O	|	|	|	|	0.03	249.000	0.00	0.01	0.010	O	|	|	|	|	0.02
243.917	0.00	0.01	0.013	O	|	|	|	|	0.03	249.083	0.00	0.01	0.010	O	|	|	|	|	0.02
244.000	0.00	0.01	0.013	O	|	|	|	|	0.03	249.167	0.00	0.01	0.010	O	|	|	|	|	0.02
244.083	0.00	0.01	0.013	O	|	|	|	|	0.03	249.250	0.00	0.01	0.010	O	|	|	|	|	0.02
244.167	0.00	0.01	0.013	O	|	|	|	|	0.03	249.333	0.00	0.01	0.010	O	|	|	|	|	0.02
244.250	0.00	0.01	0.013	O	|	|	|	|	0.03	249.417	0.00	0.01	0.010	O	|	|	|	|	0.02
244.333	0.00	0.01	0.013	O	|	|	|	|	0.03	249.500	0.00	0.01	0.010	O	|	|	|	|	0.02
244.417	0.00	0.01	0.013	O	|	|	|	|	0.03	249.583	0.00	0.01	0.009	O	|	|	|	|	0.02
244.500	0.00	0.01	0.012	O	|	|	|	|	0.03	249.667	0.00	0.01	0.009	O	|	|	|	|	0.02
244.583	0.00	0.01	0.012	O	|	|	|	|	0.03	249.750	0.00	0.01	0.009	O	|	|	|	|	0.02
244.667	0.00	0.01	0.012	O	|	|	|	|	0.03	249.833	0.00	0.01	0.009	O	|	|	|	|	0.02
244.750	0.00	0.01	0.012	O	|	|	|	|	0.03	249.917	0.00	0.01	0.009	O	|	|	|	|	0.02
244.833	0.00	0.01	0.012	O	|	|	|	|	0.03	250.000	0.00	0.01	0.009	O	|	|	|	|	0.02
244.917	0.00	0.01	0.012	O	|	|	|	|	0.03	250.083	0.00	0.01	0.009	O	|	|	|	|	0.02
245.000	0.00	0.01	0.012	O	|	|	|	|	0.03	250.167	0.00	0.01	0.009	O	|	|	|	|	0.02
245.083	0.00	0.01	0.012	O	|	|	|	|	0.03	250.250	0.00	0.01	0.009	O	|	|	|	|	0.02
245.167	0.00	0.01	0.012	O	|	|	|	|	0.03	250.333	0.00	0.01	0.009	O	|	|	|	|	0.02
245.250	0.00	0.01	0.012	O	|	|	|	|	0.03	250.417	0.00	0.01	0.009	O	|	|	|	|	0.02
245.333	0.00	0.01	0.012	O	|	|	|	|	0.03	250.500	0.00	0.01	0.009	O	|	|	|	|	0.02
245.417	0.00	0.01	0.012	O	|	|	|	|	0.03	250.583	0.00	0.01	0.009	O	|	|	|	|	0.02
245.500	0.00	0.01	0.012	O	|	|	|	|	0.03	250.667	0.00	0.01	0.009	O	|	|	|	|	0.02
245.583	0.00	0.01	0.012	O	|	|	|	|	0.03	250.750	0.00	0.01	0.009	O	|	|	|	|	0.02
245.667	0.00	0.01	0.012	O	|	|	|	|	0.03	250.833	0.00	0.01	0.009	O	|	|	|	|	0.02
245.750	0.00	0.01	0.012	O	|	|	|	|	0.03	250.917	0.00	0.01	0.009	O	|	|	|	|	0.02
245.833	0.00	0.01	0.012	O	|	|	|	|	0.03	251.000	0.00	0.01	0.009	O	|	|	|	|	0.02
245.917	0.00	0.01	0.012	O	|	|	|	|	0.03	251.083	0.00	0.01	0.009	O	|	|	|	|	0.02
246.000	0.00	0.01	0.011	O	|	|	|	|	0.03	251.167	0.00	0.01	0.009	O	|	|	|	|	0.02
246.083	0.00	0.01	0.011	O	|	|	|	|	0.03	251.250	0.00	0.01	0.009	O	|	|	|	|	0.02
246.167	0.00	0.01	0.011	O	|	|	|	|	0.03	251.333	0.00	0.01	0.009	O	|	|	|	|	0.02
246.250	0.00	0.01	0.011	O	|	|	|	|	0.03	251.417	0.00	0.01	0.009	O	|	|	|	|	0.02
246.333	0.00	0.01	0.011	O	|	|	|	|	0.03	251.500	0.00	0.01	0.009	O	|	|	|	|	0.02
246.417	0.00	0.01	0.011	O	|	|	|	|	0.03	251.583	0.00	0.01	0.008	O	|	|	|	|	0.02
246.500	0.00	0.01	0.011	O	|	|	|	|	0.03	251.667	0.00	0.01	0.008	O	|	|	|	|	0.02
246.583	0.00	0.01	0.011	O	|	|	|	|	0.03	251.750	0.00	0.01	0.008	O	|	|	|	|	0.02
246.667	0.00	0.01	0.011	O	|	|	|	|	0.03	251.833	0.00	0.01	0.008	O	|	|	|	|	0.02
246.750	0.00	0.01	0.011	O	|	|	|	|	0.03	251.917	0.00	0.01	0.008	O	|	|	|	|	0.02
246.833	0.00	0.01	0.011	O	|	|	|	|	0.03	252.000	0.00	0.01	0.008	O	|	|	|	|	0.02
246.917	0.00	0.01	0.011	O	|	|	|	|	0.03	252.083	0.00	0.01	0.008	O	|	|	|	|	0.02
247.000	0.00	0.01	0.011	O	|	|	|	|	0.03	252.167	0.00	0.01	0.008	O	|	|	|	|	0.02
247.083	0.00	0.01	0.011	O	|	|	|	|	0.03	252.250	0.00	0.01	0.008	O	|	|	|	|	0.02
247.167	0.00	0.01	0.011	O	|	|	|	|	0.03	252.333	0.00	0.01	0.008	O	|	|	|	|	0.02
247.250	0.00	0.01	0.011	O	|	|	|	|	0.03	252.417	0.00	0.01	0.008	O	|	|	|	|	0.02
247.333	0.00	0.01	0.011	O	|	|	|	|	0.03	252.500	0.00	0.01	0.008	O	|	|	|	|	0.02
247.417	0.00	0.01	0.011	O	|	|	|	|	0.03	252.583	0.00	0.01	0.008	O	|	|	|	|	0.02
247.500	0.00	0.01	0.011	O	|	|	|	|	0.03	252.667	0.00	0.01	0.008	O	|	|	|	|	0.02
247.583	0.00	0.01	0.011	O	|	|	|	|	0.03	252.750	0.00	0.01	0.008	O	|	|	|	|	0.02
247.667	0.00	0.01	0.010	O	|	|	|	|	0.03	252.833	0.00	0.01	0.008	O	|	|	|	|	0.02
247.750	0.00	0.01	0.010	O	|	|	|	|	0.03	252.917	0.00	0.01	0.008	O	|	|	|	|	0.02
247.833	0.00	0.01	0.010	O	|	|	|	|	0.03	253.000	0.00	0.01	0.008	O	|	|	|	|	0.02
247.917	0.00	0.01	0.010	O	|	|	|	|	0.03	253.083	0.00	0.01	0.008	O	|	|	|	|	0.02
248.000	0.00	0.01	0.010	O	|	|	|	|	0.03	253.167	0.00	0.01	0.008	O	|	|	|	|	0.02
248.083	0.00	0.01	0.010	O	|	|	|	|	0.03	253.250	0.00	0.01	0.008	O	|	|	|	|	0.02
248.167	0.00	0.01	0.010	O	|	|	|	|	0.03	253.333	0.00	0.01	0.008	O	|	|	|	|	0.02
248.250	0.00	0.01	0.010	O	|	|	|	|	0.03	253.417	0.00	0.01	0.008	O	|	|	|	|	0.02
248.333	0.00	0.01	0.010	O	|	|	|	|	0.03	253.500	0.00	0.01	0.008	O	|	|	|	|	0.02
248.417	0.00	0.01	0.010	O	|	|	|	|	0.03	253.583	0.00	0.00	0.008	O	|	|	|	|	0.02
248.500	0.00	0.01	0.010	O	|	|	|	|	0.03	253.667	0.00	0.00	0.008	O	|	|	|	|	0.02
248.583	0.00	0.01	0.010	O	|	|	|	|	0.03	253.750	0.00	0.00	0.008	O	|	|	|	|	0.02
248.667	0.00	0.01	0.010	O	|	|	|	|	0.03	253.833	0.00	0.00	0.008	O	|	|	|	|	0.02
248.750	0.00	0.01	0.010	O	|	|	|	|	0.02	253.917	0.00	0.00	0.007	O	|	|	|	|	0.02
248.833	0.00	0.01	0.010	O	|	|	|	|	0.02	254.000	0.00	0.00	0.007	O	|	|	|	|	0.02

254.083	0.00	0.00	0.007	O	|	|	|	|	0.02	259.250	0.00	0.00	0.006	O	|	|	|	|	0.01
254.167	0.00	0.00	0.007	O	|	|	|	|	0.02	259.333	0.00	0.00	0.006	O	|	|	|	|	0.01
254.250	0.00	0.00	0.007	O	|	|	|	|	0.02	259.417	0.00	0.00	0.006	O	|	|	|	|	0.01
254.333	0.00	0.00	0.007	O	|	|	|	|	0.02	259.500	0.00	0.00	0.006	O	|	|	|	|	0.01
254.417	0.00	0.00	0.007	O	|	|	|	|	0.02	259.583	0.00	0.00	0.006	O	|	|	|	|	0.01
254.500	0.00	0.00	0.007	O	|	|	|	|	0.02	259.667	0.00	0.00	0.005	O	|	|	|	|	0.01
254.583	0.00	0.00	0.007	O	|	|	|	|	0.02	259.750	0.00	0.00	0.005	O	|	|	|	|	0.01
254.667	0.00	0.00	0.007	O	|	|	|	|	0.02	259.833	0.00	0.00	0.005	O	|	|	|	|	0.01
254.750	0.00	0.00	0.007	O	|	|	|	|	0.02	259.917	0.00	0.00	0.005	O	|	|	|	|	0.01
254.833	0.00	0.00	0.007	O	|	|	|	|	0.02	260.000	0.00	0.00	0.005	O	|	|	|	|	0.01
254.917	0.00	0.00	0.007	O	|	|	|	|	0.02	260.083	0.00	0.00	0.005	O	|	|	|	|	0.01
255.000	0.00	0.00	0.007	O	|	|	|	|	0.02	260.167	0.00	0.00	0.005	O	|	|	|	|	0.01
255.083	0.00	0.00	0.007	O	|	|	|	|	0.02	260.250	0.00	0.00	0.005	O	|	|	|	|	0.01
255.167	0.00	0.00	0.007	O	|	|	|	|	0.02	260.333	0.00	0.00	0.005	O	|	|	|	|	0.01
255.250	0.00	0.00	0.007	O	|	|	|	|	0.02	260.417	0.00	0.00	0.005	O	|	|	|	|	0.01
255.333	0.00	0.00	0.007	O	|	|	|	|	0.02	260.500	0.00	0.00	0.005	O	|	|	|	|	0.01
255.417	0.00	0.00	0.007	O	|	|	|	|	0.02	260.583	0.00	0.00	0.005	O	|	|	|	|	0.01
255.500	0.00	0.00	0.007	O	|	|	|	|	0.02	260.667	0.00	0.00	0.005	O	|	|	|	|	0.01
255.583	0.00	0.00	0.007	O	|	|	|	|	0.02	260.750	0.00	0.00	0.005	O	|	|	|	|	0.01
255.667	0.00	0.00	0.007	O	|	|	|	|	0.02	260.833	0.00	0.00	0.005	O	|	|	|	|	0.01
255.750	0.00	0.00	0.007	O	|	|	|	|	0.02	260.917	0.00	0.00	0.005	O	|	|	|	|	0.01
255.833	0.00	0.00	0.007	O	|	|	|	|	0.02	261.000	0.00	0.00	0.005	O	|	|	|	|	0.01
255.917	0.00	0.00	0.007	O	|	|	|	|	0.02	261.083	0.00	0.00	0.005	O	|	|	|	|	0.01
256.000	0.00	0.00	0.007	O	|	|	|	|	0.02	261.167	0.00	0.00	0.005	O	|	|	|	|	0.01
256.083	0.00	0.00	0.007	O	|	|	|	|	0.02	261.250	0.00	0.00	0.005	O	|	|	|	|	0.01
256.167	0.00	0.00	0.007	O	|	|	|	|	0.02	261.333	0.00	0.00	0.005	O	|	|	|	|	0.01
256.250	0.00	0.00	0.007	O	|	|	|	|	0.02	261.417	0.00	0.00	0.005	O	|	|	|	|	0.01
256.333	0.00	0.00	0.007	O	|	|	|	|	0.02	261.500	0.00	0.00	0.005	O	|	|	|	|	0.01
256.417	0.00	0.00	0.007	O	|	|	|	|	0.02	261.583	0.00	0.00	0.005	O	|	|	|	|	0.01
256.500	0.00	0.00	0.007	O	|	|	|	|	0.02	261.667	0.00	0.00	0.005	O	|	|	|	|	0.01
256.583	0.00	0.00	0.006	O	|	|	|	|	0.02	261.750	0.00	0.00	0.005	O	|	|	|	|	0.01
256.667	0.00	0.00	0.006	O	|	|	|	|	0.02	261.833	0.00	0.00	0.005	O	|	|	|	|	0.01
256.750	0.00	0.00	0.006	O	|	|	|	|	0.02	261.917	0.00	0.00	0.005	O	|	|	|	|	0.01
256.833	0.00	0.00	0.006	O	|	|	|	|	0.02	262.000	0.00	0.00	0.005	O	|	|	|	|	0.01
256.917	0.00	0.00	0.006	O	|	|	|	|	0.02	262.083	0.00	0.00	0.005	O	|	|	|	|	0.01
257.000	0.00	0.00	0.006	O	|	|	|	|	0.02	262.167	0.00	0.00	0.005	O	|	|	|	|	0.01
257.083	0.00	0.00	0.006	O	|	|	|	|	0.02	262.250	0.00	0.00	0.005	O	|	|	|	|	0.01
257.167	0.00	0.00	0.006	O	|	|	|	|	0.02	262.333	0.00	0.00	0.005	O	|	|	|	|	0.01
257.250	0.00	0.00	0.006	O	|	|	|	|	0.02	262.417	0.00	0.00	0.005	O	|	|	|	|	0.01
257.333	0.00	0.00	0.006	O	|	|	|	|	0.02	262.500	0.00	0.00	0.005	O	|	|	|	|	0.01
257.417	0.00	0.00	0.006	O	|	|	|	|	0.02	262.583	0.00	0.00	0.005	O	|	|	|	|	0.01
257.500	0.00	0.00	0.006	O	|	|	|	|	0.02	262.667	0.00	0.00	0.005	O	|	|	|	|	0.01
257.583	0.00	0.00	0.006	O	|	|	|	|	0.02	262.750	0.00	0.00	0.005	O	|	|	|	|	0.01
257.667	0.00	0.00	0.006	O	|	|	|	|	0.02	262.833	0.00	0.00	0.005	O	|	|	|	|	0.01
257.750	0.00	0.00	0.006	O	|	|	|	|	0.02	262.917	0.00	0.00	0.005	O	|	|	|	|	0.01
257.833	0.00	0.00	0.006	O	|	|	|	|	0.02	263.000	0.00	0.00	0.005	O	|	|	|	|	0.01
257.917	0.00	0.00	0.006	O	|	|	|	|	0.02	263.083	0.00	0.00	0.005	O	|	|	|	|	0.01
258.000	0.00	0.00	0.006	O	|	|	|	|	0.02	263.167	0.00	0.00	0.005	O	|	|	|	|	0.01
258.083	0.00	0.00	0.006	O	|	|	|	|	0.02	263.250	0.00	0.00	0.005	O	|	|	|	|	0.01
258.167	0.00	0.00	0.006	O	|	|	|	|	0.01	263.333	0.00	0.00	0.004	O	|	|	|	|	0.01
258.250	0.00	0.00	0.006	O	|	|	|	|	0.01	263.417	0.00	0.00	0.004	O	|	|	|	|	0.01
258.333	0.00	0.00	0.006	O	|	|	|	|	0.01	263.500	0.00	0.00	0.004	O	|	|	|	|	0.01
258.417	0.00	0.00	0.006	O	|	|	|	|	0.01	263.583	0.00	0.00	0.004	O	|	|	|	|	0.01
258.500	0.00	0.00	0.006	O	|	|	|	|	0.01	263.667	0.00	0.00	0.004	O	|	|	|	|	0.01
258.583	0.00	0.00	0.006	O	|	|	|	|	0.01	263.750	0.00	0.00	0.004	O	|	|	|	|	0.01
258.667	0.00	0.00	0.006	O	|	|	|	|	0.01	263.833	0.00	0.00	0.004	O	|	|	|	|	0.01
258.750	0.00	0.00	0.006	O	|	|	|	|	0.01	263.917	0.00	0.00	0.004	O	|	|	|	|	0.01
258.833	0.00	0.00	0.006	O	|	|	|	|	0.01	264.000	0.00	0.00	0.004	O	|	|	|	|	0.01
258.917	0.00	0.00	0.006	O	|	|	|	|	0.01	264.083	0.00	0.00	0.004	O	|	|	|	|	0.01
259.000	0.00	0.00	0.006	O	|	|	|	|	0.01	264.167	0.00	0.00	0.004	O	|	|	|	|	0.01
259.083	0.00	0.00	0.006	O	|	|	|	|	0.01	264.250	0.00	0.00	0.004	O	|	|	|	|	0.01
259.167	0.00	0.00	0.006	O	|	|	|	|	0.01	264.333	0.00	0.00	0.004	O	|	|	|	|	0.01

264.417	0.00	0.00	0.004	O	|	|	|	|	0.01	269.583	0.00	0.00	0.003	O	|	|	|	|	0.01
264.500	0.00	0.00	0.004	O	|	|	|	|	0.01	269.667	0.00	0.00	0.003	O	|	|	|	|	0.01
264.583	0.00	0.00	0.004	O	|	|	|	|	0.01	269.750	0.00	0.00	0.003	O	|	|	|	|	0.01
264.667	0.00	0.00	0.004	O	|	|	|	|	0.01	269.833	0.00	0.00	0.003	O	|	|	|	|	0.01
264.750	0.00	0.00	0.004	O	|	|	|	|	0.01	269.917	0.00	0.00	0.003	O	|	|	|	|	0.01
264.833	0.00	0.00	0.004	O	|	|	|	|	0.01	270.000	0.00	0.00	0.003	O	|	|	|	|	0.01
264.917	0.00	0.00	0.004	O	|	|	|	|	0.01	270.083	0.00	0.00	0.003	O	|	|	|	|	0.01
265.000	0.00	0.00	0.004	O	|	|	|	|	0.01	270.167	0.00	0.00	0.003	O	|	|	|	|	0.01
265.083	0.00	0.00	0.004	O	|	|	|	|	0.01	270.250	0.00	0.00	0.003	O	|	|	|	|	0.01
265.167	0.00	0.00	0.004	O	|	|	|	|	0.01	270.333	0.00	0.00	0.003	O	|	|	|	|	0.01
265.250	0.00	0.00	0.004	O	|	|	|	|	0.01	270.417	0.00	0.00	0.003	O	|	|	|	|	0.01
265.333	0.00	0.00	0.004	O	|	|	|	|	0.01	270.500	0.00	0.00	0.003	O	|	|	|	|	0.01
265.417	0.00	0.00	0.004	O	|	|	|	|	0.01	270.583	0.00	0.00	0.003	O	|	|	|	|	0.01
265.500	0.00	0.00	0.004	O	|	|	|	|	0.01	270.667	0.00	0.00	0.003	O	|	|	|	|	0.01
265.583	0.00	0.00	0.004	O	|	|	|	|	0.01	270.750	0.00	0.00	0.003	O	|	|	|	|	0.01
265.667	0.00	0.00	0.004	O	|	|	|	|	0.01	270.833	0.00	0.00	0.003	O	|	|	|	|	0.01
265.750	0.00	0.00	0.004	O	|	|	|	|	0.01	270.917	0.00	0.00	0.003	O	|	|	|	|	0.01
265.833	0.00	0.00	0.004	O	|	|	|	|	0.01	271.000	0.00	0.00	0.003	O	|	|	|	|	0.01
265.917	0.00	0.00	0.004	O	|	|	|	|	0.01	271.083	0.00	0.00	0.003	O	|	|	|	|	0.01
266.000	0.00	0.00	0.004	O	|	|	|	|	0.01	271.167	0.00	0.00	0.003	O	|	|	|	|	0.01
266.083	0.00	0.00	0.004	O	|	|	|	|	0.01	271.250	0.00	0.00	0.003	O	|	|	|	|	0.01
266.167	0.00	0.00	0.004	O	|	|	|	|	0.01	271.333	0.00	0.00	0.003	O	|	|	|	|	0.01
266.250	0.00	0.00	0.004	O	|	|	|	|	0.01	271.417	0.00	0.00	0.003	O	|	|	|	|	0.01
266.333	0.00	0.00	0.004	O	|	|	|	|	0.01	271.500	0.00	0.00	0.003	O	|	|	|	|	0.01
266.417	0.00	0.00	0.004	O	|	|	|	|	0.01	271.583	0.00	0.00	0.003	O	|	|	|	|	0.01
266.500	0.00	0.00	0.004	O	|	|	|	|	0.01	271.667	0.00	0.00	0.003	O	|	|	|	|	0.01
266.583	0.00	0.00	0.004	O	|	|	|	|	0.01	271.750	0.00	0.00	0.003	O	|	|	|	|	0.01
266.667	0.00	0.00	0.004	O	|	|	|	|	0.01	271.833	0.00	0.00	0.003	O	|	|	|	|	0.01
266.750	0.00	0.00	0.004	O	|	|	|	|	0.01	271.917	0.00	0.00	0.003	O	|	|	|	|	0.01
266.833	0.00	0.00	0.004	O	|	|	|	|	0.01	272.000	0.00	0.00	0.003	O	|	|	|	|	0.01
266.917	0.00	0.00	0.004	O	|	|	|	|	0.01	272.083	0.00	0.00	0.003	O	|	|	|	|	0.01
267.000	0.00	0.00	0.004	O	|	|	|	|	0.01	272.167	0.00	0.00	0.003	O	|	|	|	|	0.01
267.083	0.00	0.00	0.004	O	|	|	|	|	0.01	272.250	0.00	0.00	0.003	O	|	|	|	|	0.01
267.167	0.00	0.00	0.004	O	|	|	|	|	0.01	272.333	0.00	0.00	0.003	O	|	|	|	|	0.01
267.250	0.00	0.00	0.004	O	|	|	|	|	0.01	272.417	0.00	0.00	0.003	O	|	|	|	|	0.01
267.333	0.00	0.00	0.004	O	|	|	|	|	0.01	272.500	0.00	0.00	0.003	O	|	|	|	|	0.01
267.417	0.00	0.00	0.004	O	|	|	|	|	0.01	272.583	0.00	0.00	0.003	O	|	|	|	|	0.01
267.500	0.00	0.00	0.004	O	|	|	|	|	0.01	272.667	0.00	0.00	0.003	O	|	|	|	|	0.01
267.583	0.00	0.00	0.004	O	|	|	|	|	0.01	272.750	0.00	0.00	0.003	O	|	|	|	|	0.01
267.667	0.00	0.00	0.004	O	|	|	|	|	0.01	272.833	0.00	0.00	0.003	O	|	|	|	|	0.01
267.750	0.00	0.00	0.004	O	|	|	|	|	0.01	272.917	0.00	0.00	0.003	O	|	|	|	|	0.01
267.833	0.00	0.00	0.004	O	|	|	|	|	0.01	273.000	0.00	0.00	0.003	O	|	|	|	|	0.01
267.917	0.00	0.00	0.004	O	|	|	|	|	0.01	273.083	0.00	0.00	0.003	O	|	|	|	|	0.01
268.000	0.00	0.00	0.003	O	|	|	|	|	0.01	273.167	0.00	0.00	0.003	O	|	|	|	|	0.01
268.083	0.00	0.00	0.003	O	|	|	|	|	0.01	273.250	0.00	0.00	0.003	O	|	|	|	|	0.01
268.167	0.00	0.00	0.003	O	|	|	|	|	0.01	273.333	0.00	0.00	0.003	O	|	|	|	|	0.01
268.250	0.00	0.00	0.003	O	|	|	|	|	0.01	273.417	0.00	0.00	0.003	O	|	|	|	|	0.01
268.333	0.00	0.00	0.003	O	|	|	|	|	0.01	273.500	0.00	0.00	0.003	O	|	|	|	|	0.01
268.417	0.00	0.00	0.003	O	|	|	|	|	0.01	273.583	0.00	0.00	0.003	O	|	|	|	|	0.01
268.500	0.00	0.00	0.003	O	|	|	|	|	0.01	273.667	0.00	0.00	0.003	O	|	|	|	|	0.01
268.583	0.00	0.00	0.003	O	|	|	|	|	0.01	273.750	0.00	0.00	0.003	O	|	|	|	|	0.01
268.667	0.00	0.00	0.003	O	|	|	|	|	0.01	273.833	0.00	0.00	0.003	O	|	|	|	|	0.01
268.750	0.00	0.00	0.003	O	|	|	|	|	0.01	273.917	0.00	0.00	0.003	O	|	|	|	|	0.01
268.833	0.00	0.00	0.003	O	|	|	|	|	0.01	274.000	0.00	0.00	0.003	O	|	|	|	|	0.01
268.917	0.00	0.00	0.003	O	|	|	|	|	0.01	274.083	0.00	0.00	0.003	O	|	|	|	|	0.01
269.000	0.00	0.00	0.003	O	|	|	|	|	0.01	274.167	0.00	0.00	0.003	O	|	|	|	|	0.01
269.083	0.00	0.00	0.003	O	|	|	|	|	0.01	274.250	0.00	0.00	0.002	O	|	|	|	|	0.01
269.167	0.00	0.00	0.003	O	|	|	|	|	0.01	274.333	0.00	0.00	0.002	O	|	|	|	|	0.01
269.250	0.00	0.00	0.003	O	|	|	|	|	0.01	274.417	0.00	0.00	0.002	O	|	|	|	|	0.01
269.333	0.00	0.00	0.003	O	|	|	|	|	0.01	274.500	0.00	0.00	0.002	O	|	|	|	|	0.01
269.417	0.00	0.00	0.003	O	|	|	|	|	0.01	274.583	0.00	0.00	0.002	O	|	|	|	|	0.01
269.500	0.00	0.00	0.003	O	|	|	|	|	0.01	274.667	0.00	0.00	0.002	O	|	|	|	|	0.01

274.750	0.00	0.00	0.002	O	|	|	|	|	0.01
274.833	0.00	0.00	0.002	O	|	|	|	|	0.01
274.917	0.00	0.00	0.002	O	|	|	|	|	0.01
275.000	0.00	0.00	0.002	O	|	|	|	|	0.01
275.083	0.00	0.00	0.002	O	|	|	|	|	0.01
275.167	0.00	0.00	0.002	O	|	|	|	|	0.01
275.250	0.00	0.00	0.002	O	|	|	|	|	0.01
275.333	0.00	0.00	0.002	O	|	|	|	|	0.01
275.417	0.00	0.00	0.002	O	|	|	|	|	0.01
275.500	0.00	0.00	0.002	O	|	|	|	|	0.01
275.583	0.00	0.00	0.002	O	|	|	|	|	0.01
275.667	0.00	0.00	0.002	O	|	|	|	|	0.01
275.750	0.00	0.00	0.002	O	|	|	|	|	0.01
275.833	0.00	0.00	0.002	O	|	|	|	|	0.01
275.917	0.00	0.00	0.002	O	|	|	|	|	0.01
276.000	0.00	0.00	0.002	O	|	|	|	|	0.01
276.083	0.00	0.00	0.002	O	|	|	|	|	0.01
276.167	0.00	0.00	0.002	O	|	|	|	|	0.01
276.250	0.00	0.00	0.002	O	|	|	|	|	0.01
276.333	0.00	0.00	0.002	O	|	|	|	|	0.01
276.417	0.00	0.00	0.002	O	|	|	|	|	0.01
276.500	0.00	0.00	0.002	O	|	|	|	|	0.01
276.583	0.00	0.00	0.002	O	|	|	|	|	0.01
276.667	0.00	0.00	0.002	O	|	|	|	|	0.01
276.750	0.00	0.00	0.002	O	|	|	|	|	0.01
276.833	0.00	0.00	0.002	O	|	|	|	|	0.01
276.917	0.00	0.00	0.002	O	|	|	|	|	0.01
277.000	0.00	0.00	0.002	O	|	|	|	|	0.01
277.083	0.00	0.00	0.002	O	|	|	|	|	0.01
277.167	0.00	0.00	0.002	O	|	|	|	|	0.01
277.250	0.00	0.00	0.002	O	|	|	|	|	0.01
277.333	0.00	0.00	0.002	O	|	|	|	|	0.01
277.417	0.00	0.00	0.002	O	|	|	|	|	0.01
277.500	0.00	0.00	0.002	O	|	|	|	|	0.01
277.583	0.00	0.00	0.002	O	|	|	|	|	0.01
277.667	0.00	0.00	0.002	O	|	|	|	|	0.01
277.750	0.00	0.00	0.002	O	|	|	|	|	0.01
277.833	0.00	0.00	0.002	O	|	|	|	|	0.01
277.917	0.00	0.00	0.002	O	|	|	|	|	0.01
278.000	0.00	0.00	0.002	O	|	|	|	|	0.01
278.083	0.00	0.00	0.002	O	|	|	|	|	0.01
278.167	0.00	0.00	0.002	O	|	|	|	|	0.01
278.250	0.00	0.00	0.002	O	|	|	|	|	0.01
278.333	0.00	0.00	0.002	O	|	|	|	|	0.01
278.417	0.00	0.00	0.002	O	|	|	|	|	0.01
278.500	0.00	0.00	0.002	O	|	|	|	|	0.00
278.583	0.00	0.00	0.002	O	|	|	|	|	0.00
278.667	0.00	0.00	0.002	O	|	|	|	|	0.00
278.750	0.00	0.00	0.002	O	|	|	|	|	0.00
278.833	0.00	0.00	0.002	O	|	|	|	|	0.00
278.917	0.00	0.00	0.002	O	|	|	|	|	0.00
279.000	0.00	0.00	0.002	O	|	|	|	|	0.00
279.083	0.00	0.00	0.002	O	|	|	|	|	0.00
279.167	0.00	0.00	0.002	O	|	|	|	|	0.00
279.250	0.00	0.00	0.002	O	|	|	|	|	0.00
279.333	0.00	0.00	0.002	O	|	|	|	|	0.00
279.417	0.00	0.00	0.002	O	|	|	|	|	0.00
279.500	0.00	0.00	0.002	O	|	|	|	|	0.00
279.583	0.00	0.00	0.002	O	|	|	|	|	0.00
279.667	0.00	0.00	0.002	O	|	|	|	|	0.00
279.750	0.00	0.00	0.002	O	|	|	|	|	0.00
279.833	0.00	0.00	0.002	O	|	|	|	|	0.00
279.917	0.00	0.00	0.002	O	|	|	|	|	0.00
280.000	0.00	0.00	0.002	O	|	|	|	|	0.00
280.083	0.00	0.00	0.002	O	|	|	|	|	0.00
280.167	0.00	0.00	0.002	O	|	|	|	|	0.00
280.250	0.00	0.00	0.002	O	|	|	|	|	0.00
280.333	0.00	0.00	0.002	O	|	|	|	|	0.00
280.417	0.00	0.00	0.002	O	|	|	|	|	0.00
280.500	0.00	0.00	0.002	O	|	|	|	|	0.00
280.583	0.00	0.00	0.002	O	|	|	|	|	0.00
280.667	0.00	0.00	0.002	O	|	|	|	|	0.00
280.750	0.00	0.00	0.002	O	|	|	|	|	0.00
280.833	0.00	0.00	0.002	O	|	|	|	|	0.00
280.917	0.00	0.00	0.002	O	|	|	|	|	0.00
281.000	0.00	0.00	0.002	O	|	|	|	|	0.00
281.083	0.00	0.00	0.002	O	|	|	|	|	0.00
281.167	0.00	0.00	0.002	O	|	|	|	|	0.00
281.250	0.00	0.00	0.002	O	|	|	|	|	0.00
281.333	0.00	0.00	0.002	O	|	|	|	|	0.00
281.417	0.00	0.00	0.002	O	|	|	|	|	0.00
281.500	0.00	0.00	0.002	O	|	|	|	|	0.00
281.583	0.00	0.00	0.002	O	|	|	|	|	0.00
281.667	0.00	0.00	0.002	O	|	|	|	|	0.00
281.750	0.00	0.00	0.002	O	|	|	|	|	0.00
281.833	0.00	0.00	0.002	O	|	|	|	|	0.00
281.917	0.00	0.00	0.002	O	|	|	|	|	0.00
282.000	0.00	0.00	0.002	O	|	|	|	|	0.00
282.083	0.00	0.00	0.002	O	|	|	|	|	0.00
282.167	0.00	0.00	0.002	O	|	|	|	|	0.00
282.250	0.00	0.00	0.002	O	|	|	|	|	0.00
282.333	0.00	0.00	0.002	O	|	|	|	|	0.00
282.417	0.00	0.00	0.002	O	|	|	|	|	0.00
282.500	0.00	0.00	0.002	O	|	|	|	|	0.00
282.583	0.00	0.00	0.002	O	|	|	|	|	0.00
282.667	0.00	0.00	0.002	O	|	|	|	|	0.00
282.750	0.00	0.00	0.002	O	|	|	|	|	0.00
282.833	0.00	0.00	0.002	O	|	|	|	|	0.00
282.917	0.00	0.00	0.002	O	|	|	|	|	0.00
283.000	0.00	0.00	0.002	O	|	|	|	|	0.00
283.083	0.00	0.00	0.002	O	|	|	|	|	0.00
283.167	0.00	0.00	0.002	O	|	|	|	|	0.00
283.250	0.00	0.00	0.002	O	|	|	|	|	0.00
283.333	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 3400
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.152 (CFS)
Total volume = 12.521 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	24.747	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	3.616	0.000	0.000	0.000	0.000

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Process from Point/Station        9.400 to Point/Station        9.200
**** STREAM ROUTING SCS CONVEX METHOD ****
____________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    379.00 (Ft.)
Elevation difference =    8.00 (Ft.)
Slope of channel =  0.021108 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   379.00(Ft.)   Elevation difference =   8.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     3.305(CFS)
Given pipe size =     36.00(In.)
Calculated individual pipe flow  =     3.305(CFS)
Normal flow depth in pipe =    4.55(In.)
Flow top width inside pipe =   23.93(In.)
Critical Depth =    0.56(Ft.)
Pipe flow velocity =      6.37(Ft/s)
Travel time through pipe =    0.99 min.


Pipe length  =   379.00(Ft.)   Elevation difference =   8.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =     9.152(CFS)
Given pipe size =     36.00(In.)
Calculated individual pipe flow  =     9.152(CFS)
Normal flow depth in pipe =    7.48(In.)
Flow top width inside pipe =   29.21(In.)
Critical Depth =    0.95(Ft.)
Pipe flow velocity =      8.62(Ft/s)
Travel time through pipe =    0.73 min.


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8353   Travel time =   0.73 (min.)
         dt*(unit time interval) =   5.00(min.),  e=   5.7805
         dt(routing time-step) =   0.61 (min.),   c* =   1.0000

Output hydrograph delayed by 0  unit time increments


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                P R I N T  O F  S T O R M
              R u n o f f     H y d r o g r a p h
----------------------------------------------------------------------
           Hydrograph in   5   Minute intervals (CFS)

----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        2.3       4.6       6.9       9.2
----------------------------------------------------------------------
  0+ 5       0.0030      0.00  O        |         |         |         |
  0+10       0.0183      0.02  O        |         |         |         |
  0+15       0.0486      0.05  O        |         |         |         |
  0+20       0.0865      0.09  O        |         |         |         |
  0+25       0.1268      0.13  O        |         |         |         |
  0+30       0.1686      0.17  O        |         |         |         |
  0+35       0.2136      0.22  O        |         |         |         |
  0+40       0.2574      0.26  |O       |         |         |         |
  0+45       0.2782      0.28  |O       |         |         |         |
  0+50       0.2959      0.30  |O       |         |         |         |
  0+55       0.3136      0.32  |O       |         |         |         |
  1+ 0       0.3316      0.33  |O       |         |         |         |
  1+ 5       0.3507      0.35  |O       |         |         |         |
  1+10       0.3697      0.37  |O       |         |         |         |
  1+15       0.3826      0.38  |O       |         |         |         |
  1+20       0.3946      0.40  |O       |         |         |         |
  1+25       0.4067      0.41  |O       |         |         |         |
  1+30       0.4189      0.42  |O       |         |         |         |
  1+35       0.4309      0.43  |O       |         |         |         |
  1+40       0.4430      0.44  |O       |         |         |         |
  1+45       0.4551      0.46  |O       |         |         |         |
  1+50       0.4672      0.47  | O      |         |         |         |
  1+55       0.4792      0.48  | O      |         |         |         |
  2+ 0       0.4914      0.49  | O      |         |         |         |
  2+ 5       0.5041      0.51  | O      |         |         |         |
  2+10       0.5170      0.52  | O      |         |         |         |
  2+15       0.5296      0.53  | O      |         |         |         |
  2+20       0.5399      0.54  | O      |         |         |         |
  2+25       0.5498      0.55  | O      |         |         |         |
  2+30       0.5598      0.56  | O      |         |         |         |
  2+35       0.5698      0.57  | O      |         |         |         |
  2+40       0.5798      0.58  | O      |         |         |         |
  2+45       0.5900      0.59  | O      |         |         |         |
  2+50       0.6002      0.60  | O      |         |         |         |
  2+55       0.6089      0.61  | O      |         |         |         |
  3+ 0       0.6175      0.62  | O      |         |         |         |
  3+ 5       0.6261      0.63  | O      |         |         |         |
  3+10       0.6348      0.64  | O      |         |         |         |
  3+15       0.6439      0.65  | O      |         |         |         |
  3+20       0.6534      0.65  | O      |         |         |         |
  3+25       0.6621      0.66  | O      |         |         |         |
  3+30       0.6699      0.67  | O      |         |         |         |
  3+35       0.6781      0.68  | O      |         |         |         |
  3+40       0.6870      0.69  |  O     |         |         |         |
  3+45       0.6963      0.70  |  O     |         |         |         |
  3+50       0.7061      0.71  |  O     |         |         |         |
  3+55       0.7156      0.72  |  O     |         |         |         |
  4+ 0       0.7251      0.73  |  O     |         |         |         |
  4+ 5       0.7350      0.74  |  O     |         |         |         |
  4+10       0.7452      0.75  |  O     |         |         |         |
  4+15       0.7561      0.76  |  O     |         |         |         |
  4+20       0.7654      0.77  |  O     |         |         |         |
  4+25       0.7743      0.78  |  O     |         |         |         |
  4+30       0.7836      0.78  |  O     |         |         |         |
  4+35       0.7932      0.79  |  O     |         |         |         |
  4+40       0.8037      0.80  |  O     |         |         |         |
  4+45       0.8154      0.82  |  O     |         |         |         |
  4+50       0.8277      0.83  |  O     |         |         |         |
  4+55       0.8403      0.84  |  O     |         |         |         |
  5+ 0       0.8522      0.85  |  O     |         |         |         |
  5+ 5       0.8625      0.86  |  O     |         |         |         |
  5+10       0.8737      0.88  |  O     |         |         |         |
  5+15       0.8865      0.89  |  O     |         |         |         |
  5+20       2.2991      2.50  |        O         |         |         |
  5+25       4.2327      4.47  |        |       OI|         |         |
  5+30       6.2848      6.54  |        |         |      OI |         |
  5+35       7.5889      7.74  |        |         |         |  O      |
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16+ 0	0.8863	0.89	O					21+10	0.8749	0.87	O				
16+ 5	0.8861	0.89	O					21+15	0.8747	0.87	O				
16+10	0.8859	0.89	O					21+20	0.8745	0.87	O				
16+15	0.8857	0.89	O					21+25	0.8743	0.87	O				
16+20	0.8856	0.89	O					21+30	0.8742	0.87	O				
16+25	0.8854	0.89	O					21+35	0.8740	0.87	O				
16+30	0.8852	0.89	O					21+40	0.8738	0.87	O				
16+35	0.8850	0.88	O					21+45	0.8736	0.87	O				
16+40	0.8848	0.88	O					21+50	0.8734	0.87	O				
16+45	0.8846	0.88	O					21+55	0.8732	0.87	O				
16+50	0.8844	0.88	O					22+ 0	0.8731	0.87	O				
16+55	0.8843	0.88	O					22+ 5	0.8729	0.87	O				
17+ 0	0.8841	0.88	O					22+10	0.8727	0.87	O				
17+ 5	0.8839	0.88	O					22+15	0.8725	0.87	O				
17+10	0.8837	0.88	O					22+20	0.8723	0.87	O				
17+15	0.8835	0.88	O					22+25	0.8721	0.87	O				
17+20	0.8833	0.88	O					22+30	0.8720	0.87	O				
17+25	0.8832	0.88	O					22+35	0.8718	0.87	O				
17+30	0.8830	0.88	O					22+40	0.8716	0.87	O				
17+35	0.8828	0.88	O					22+45	0.8714	0.87	O				
17+40	0.8826	0.88	O					22+50	0.8712	0.87	O				
17+45	0.8824	0.88	O					22+55	0.8711	0.87	O				
17+50	0.8822	0.88	O					23+ 0	0.8709	0.87	O				
17+55	0.8820	0.88	O					23+ 5	0.8707	0.87	O				
18+ 0	0.8819	0.88	O					23+10	0.8705	0.87	O				
18+ 5	0.8817	0.88	O					23+15	0.8703	0.87	O				
18+10	0.8815	0.88	O					23+20	0.8701	0.87	O				
18+15	0.8813	0.88	O					23+25	0.8700	0.87	O				
18+20	0.8811	0.88	O					23+30	0.8698	0.87	O				
18+25	0.8809	0.88	O					23+35	0.8696	0.87	O				
18+30	0.8808	0.88	O					23+40	0.8694	0.87	O				
18+35	0.8806	0.88	O					23+45	0.8692	0.87	O				
18+40	0.8804	0.88	O					23+50	0.8691	0.87	O				
18+45	0.8802	0.88	O					23+55	0.8689	0.87	O				
18+50	0.8800	0.88	O					24+ 0	0.8687	0.87	O				
18+55	0.8798	0.88	O					24+ 5	0.8685	0.87	O				
19+ 0	0.8797	0.88	O					24+10	0.8683	0.87	O				
19+ 5	0.8795	0.88	O					24+15	0.8681	0.87	O				
19+10	0.8793	0.88	O					24+20	0.8680	0.87	O				
19+15	0.8791	0.88	O					24+25	0.8678	0.87	O				
19+20	0.8789	0.88	O					24+30	0.8676	0.87	O				
19+25	0.8787	0.88	O					24+35	0.8674	0.87	O				
19+30	0.8785	0.88	O					24+40	0.8672	0.87	O				
19+35	0.8784	0.88	O					24+45	0.8671	0.87	O				
19+40	0.8782	0.88	O					24+50	0.8669	0.87	O				
19+45	0.8780	0.88	O					24+55	0.8667	0.87	O				
19+50	0.8778	0.88	O					25+ 0	0.8665	0.87	O				
19+55	0.8776	0.88	O					25+ 5	0.8663	0.87	O				
20+ 0	0.8774	0.88	O					25+10	0.8662	0.87	O				
20+ 5	0.8773	0.88	O					25+15	0.8660	0.87	O				
20+10	0.8771	0.88	O					25+20	0.8658	0.87	O				
20+15	0.8769	0.88	O					25+25	0.8656	0.87	O				
20+20	0.8767	0.88	O					25+30	0.8654	0.87	O				
20+25	0.8765	0.88	O					25+35	0.8652	0.87	O				
20+30	0.8763	0.88	O					25+40	0.8651	0.87	O				
20+35	0.8762	0.88	O					25+45	0.8649	0.86	O				
20+40	0.8760	0.88	O					25+50	0.8647	0.86	O				
20+45	0.8758	0.88	O					25+55	0.8645	0.86	O				
20+50	0.8756	0.88	O					26+ 0	0.8643	0.86	O				
20+55	0.8754	0.88	O					26+ 5	0.8642	0.86	O				
21+ 0	0.8752	0.88	O					26+10	0.8640	0.86	O				
21+ 5	0.8751	0.88	O					26+15	0.8638	0.86	O				

26+20	0.8636	0.86	O					31+30	0.8525	0.85	O				
26+25	0.8634	0.86	O					31+35	0.8523	0.85	O				
26+30	0.8633	0.86	O					31+40	0.8521	0.85	O				
26+35	0.8631	0.86	O					31+45	0.8520	0.85	O				
26+40	0.8629	0.86	O					31+50	0.8518	0.85	O				
26+45	0.8627	0.86	O					31+55	0.8516	0.85	O				
26+50	0.8625	0.86	O					32+ 0	0.8514	0.85	O				
26+55	0.8624	0.86	O					32+ 5	0.8513	0.85	O				
27+ 0	0.8622	0.86	O					32+10	0.8511	0.85	O				
27+ 5	0.8620	0.86	O					32+15	0.8509	0.85	O				
27+10	0.8618	0.86	O					32+20	0.8507	0.85	O				
27+15	0.8616	0.86	O					32+25	0.8505	0.85	O				
27+20	0.8615	0.86	O					32+30	0.8504	0.85	O				
27+25	0.8613	0.86	O					32+35	0.8502	0.85	O				
27+30	0.8611	0.86	O					32+40	0.8500	0.85	O				
27+35	0.8609	0.86	O					32+45	0.8498	0.85	O				
27+40	0.8607	0.86	O					32+50	0.8495	0.85	O				
27+45	0.8606	0.86	O					32+55	0.8493	0.85	O				
27+50	0.8604	0.86	O					33+ 0	0.8490	0.85	O				
27+55	0.8602	0.86	O					33+ 5	0.8488	0.85	O				
28+ 0	0.8600	0.86	O					33+10	0.8486	0.85	O				
28+ 5	0.8598	0.86	O					33+15	0.8483	0.85	O				
28+10	0.8597	0.86	O					33+20	0.8481	0.85	O				
28+15	0.8595	0.86	O					33+25	0.8478	0.85	O				
28+20	0.8593	0.86	O					33+30	0.8476	0.85	O				
28+25	0.8591	0.86	O					33+35	0.8473	0.85	O				
28+30	0.8589	0.86	O					33+40	0.8471	0.85	O				
28+35	0.8588	0.86	O					33+45	0.8469	0.85	O				
28+40	0.8586	0.86	O					33+50	0.8466	0.85	O				
28+45	0.8584	0.86	O					33+55	0.8464	0.85	O				
28+50	0.8582	0.86	O					34+ 0	0.8461	0.85	O				
28+55	0.8580	0.86	O					34+ 5	0.8459	0.85	O				
29+ 0	0.8579	0.86	O					34+10	0.8457	0.85	O				
29+ 5	0.8577	0.86	O					34+15	0.8454	0.85	O				
29+10	0.8575	0.86	O					34+20	0.8452	0.85	O				
29+15	0.8573	0.86	O					34+25	0.8449	0.84	O				
29+20	0.8571	0.86	O					34+30	0.8447	0.84	O				
29+25	0.8570	0.86	O					34+35	0.8444	0.84	O				
29+30	0.8568	0.86	O					34+40	0.8442	0.84	O				
29+35	0.8566	0.86	O					34+45	0.8440	0.84	O				
29+40	0.8564	0.86	O					34+50	0.8437	0.84	O				
29+45	0.8563	0.86	O					34+55	0.8435	0.84	O				
29+50	0.8561	0.86	O					35+ 0	0.8432	0.84	O				
29+55	0.8559	0.86	O					35+ 5	0.8430	0.84	O				
30+ 0	0.8557	0.86	O					35+10	0.8428	0.84	O				
30+ 5	0.8555	0.86	O					35+15	0.8425	0.84	O				
30+10	0.8554	0.86	O					35+20	0.8423	0.84	O				
30+15	0.8552	0.86	O					35+25	0.8420	0.84	O				
30+20	0.8550	0.85	O					35+30	0.8418	0.84	O				
30+25	0.8548	0.85	O					35+35	0.8416	0.84	O				
30+30	0.8546	0.85	O					35+40	0.8413	0.84	O				
30+35	0.8545	0.85	O					35+45	0.8411	0.84	O				
30+40	0.8543	0.85	O					35+50	0.8408	0.84	O				
30+45	0.8541	0.85	O					35+55	0.8406	0.84	O				
30+50	0.8539	0.85	O					36+ 0	0.8404	0.84	O				
30+55	0.8537	0.85	O					36+ 5	0.8401	0.84	O				
31+ 0	0.8536	0.85	O					36+10	0.8399	0.84	O				
31+ 5	0.8534	0.85	O					36+15	0.8396	0.84	O				
31+10	0.8532	0.85	O					36+20	0.8394	0.84	O				
31+15	0.8530	0.85	O					36+25	0.8392	0.84	O				
31+20	0.8529	0.85	O					36+30	0.8389	0.84	O				
31+25	0.8527	0.85	O					36+35	0.8387	0.84	O				

36+40	0.8384	0.84	O					41+50	0.8237	0.82	O				
36+45	0.8382	0.84	O					41+55	0.8235	0.82	O				
36+50	0.8380	0.84	O					42+ 0	0.8233	0.82	O				
36+55	0.8377	0.84	O					42+ 5	0.8230	0.82	O				
37+ 0	0.8375	0.84	O					42+10	0.8228	0.82	O				
37+ 5	0.8372	0.84	O					42+15	0.8226	0.82	O				
37+10	0.8370	0.84	O					42+20	0.8223	0.82	O				
37+15	0.8368	0.84	O					42+25	0.8221	0.82	O				
37+20	0.8365	0.84	O					42+30	0.8219	0.82	O				
37+25	0.8363	0.84	O					42+35	0.8216	0.82	O				
37+30	0.8361	0.84	O					42+40	0.8214	0.82	O				
37+35	0.8358	0.84	O					42+45	0.8211	0.82	O				
37+40	0.8356	0.84	O					42+50	0.8209	0.82	O				
37+45	0.8353	0.84	O					42+55	0.8207	0.82	O				
37+50	0.8351	0.84	O					43+ 0	0.8204	0.82	O				
37+55	0.8349	0.83	O					43+ 5	0.8202	0.82	O				
38+ 0	0.8346	0.83	O					43+10	0.8200	0.82	O				
38+ 5	0.8344	0.83	O					43+15	0.8197	0.82	O				
38+10	0.8341	0.83	O					43+20	0.8195	0.82	O				
38+15	0.8339	0.83	O					43+25	0.8193	0.82	O				
38+20	0.8337	0.83	O					43+30	0.8190	0.82	O				
38+25	0.8334	0.83	O					43+35	0.8188	0.82	O				
38+30	0.8332	0.83	O					43+40	0.8186	0.82	O				
38+35	0.8330	0.83	O					43+45	0.8183	0.82	O				
38+40	0.8327	0.83	O					43+50	0.8181	0.82	O				
38+45	0.8325	0.83	O					43+55	0.8179	0.82	O				
38+50	0.8322	0.83	O					44+ 0	0.8176	0.82	O				
38+55	0.8320	0.83	O					44+ 5	0.8174	0.82	O				
39+ 0	0.8318	0.83	O					44+10	0.8172	0.82	O				
39+ 5	0.8315	0.83	O					44+15	0.8169	0.82	O				
39+10	0.8313	0.83	O					44+20	0.8167	0.82	O				
39+15	0.8311	0.83	O					44+25	0.8165	0.82	O				
39+20	0.8308	0.83	O					44+30	0.8162	0.82	O				
39+25	0.8306	0.83	O					44+35	0.8160	0.82	O				
39+30	0.8303	0.83	O					44+40	0.8158	0.82	O				
39+35	0.8301	0.83	O					44+45	0.8155	0.82	O				
39+40	0.8299	0.83	O					44+50	0.8153	0.82	O				
39+45	0.8296	0.83	O					44+55	0.8151	0.82	O				
39+50	0.8294	0.83	O					45+ 0	0.8148	0.81	O				
39+55	0.8292	0.83	O					45+ 5	0.8146	0.81	O				
40+ 0	0.8289	0.83	O					45+10	0.8144	0.81	O				
40+ 5	0.8287	0.83	O					45+15	0.8141	0.81	O				
40+10	0.8284	0.83	O					45+20	0.8139	0.81	O				
40+15	0.8282	0.83	O					45+25	0.8137	0.81	O				
40+20	0.8280	0.83	O					45+30	0.8134	0.81	O				
40+25	0.8277	0.83	O					45+35	0.8132	0.81	O				
40+30	0.8275	0.83	O					45+40	0.8130	0.81	O				
40+35	0.8273	0.83	O					45+45	0.8127	0.81	O				
40+40	0.8270	0.83	O					45+50	0.8125	0.81	O				
40+45	0.8268	0.83	O					45+55	0.8123	0.81	O				
40+50	0.8266	0.83	O					46+ 0	0.8121	0.81	O				
40+55	0.8263	0.83	O					46+ 5	0.8118	0.81	O				
41+ 0	0.8261	0.83	O					46+10	0.8116	0.81	O				
41+ 5	0.8258	0.83	O					46+15	0.8114	0.81	O				
41+10	0.8256	0.83	O					46+20	0.8111	0.81	O				
41+15	0.8254	0.83	O					46+25	0.8109	0.81	O				
41+20	0.8251	0.83	O					46+30	0.8107	0.81	O				
41+25	0.8249	0.82	O					46+35	0.8104	0.81	O				
41+30	0.8247	0.82	O					46+40	0.8102	0.81	O				
41+35	0.8244	0.82	O					46+45	0.8100	0.81	O				
41+40	0.8242	0.82	O					46+50	0.8097	0.81	O				
41+45	0.8240	0.82	O					46+55	0.8095	0.81	O				

47+ 0	0.8093	0.81	O					52+10	0.7957	0.80	O				
47+ 5	0.8090	0.81	O					52+15	0.7955	0.80	O				
47+10	0.8088	0.81	O					52+20	0.7953	0.80	O				
47+15	0.8086	0.81	O					52+25	0.7951	0.80	O				
47+20	0.8084	0.81	O					52+30	0.7949	0.79	O				
47+25	0.8081	0.81	O					52+35	0.7947	0.79	O				
47+30	0.8079	0.81	O					52+40	0.7945	0.79	O				
47+35	0.8077	0.81	O					52+45	0.7943	0.79	O				
47+40	0.8074	0.81	O					52+50	0.7941	0.79	O				
47+45	0.8072	0.81	O					52+55	0.7939	0.79	O				
47+50	0.8070	0.81	O					53+ 0	0.7937	0.79	O				
47+55	0.8067	0.81	O					53+ 5	0.7935	0.79	O				
48+ 0	0.8065	0.81	O					53+10	0.7933	0.79	O				
48+ 5	0.8063	0.81	O					53+15	0.7931	0.79	O				
48+10	0.8060	0.81	O					53+20	0.7929	0.79	O				
48+15	0.8058	0.81	O					53+25	0.7927	0.79	O				
48+20	0.8056	0.81	O					53+30	0.7925	0.79	O				
48+25	0.8054	0.81	O					53+35	0.7923	0.79	O				
48+30	0.8051	0.81	O					53+40	0.7921	0.79	O				
48+35	0.8049	0.80	O					53+45	0.7919	0.79	O				
48+40	0.8047	0.80	O					53+50	0.7917	0.79	O				
48+45	0.8044	0.80	O					53+55	0.7915	0.79	O				
48+50	0.8042	0.80	O					54+ 0	0.7913	0.79	O				
48+55	0.8040	0.80	O					54+ 5	0.7911	0.79	O				
49+ 0	0.8037	0.80	O					54+10	0.7909	0.79	O				
49+ 5	0.8035	0.80	O					54+15	0.7907	0.79	O				
49+10	0.8033	0.80	O					54+20	0.7905	0.79	O				
49+15	0.8031	0.80	O					54+25	0.7903	0.79	O				
49+20	0.8028	0.80	O					54+30	0.7901	0.79	O				
49+25	0.8026	0.80	O					54+35	0.7899	0.79	O				
49+30	0.8024	0.80	O					54+40	0.7897	0.79	O				
49+35	0.8021	0.80	O					54+45	0.7895	0.79	O				
49+40	0.8019	0.80	O					54+50	0.7893	0.79	O				
49+45	0.8017	0.80	O					54+55	0.7891	0.79	O				
49+50	0.8015	0.80	O					55+ 0	0.7889	0.79	O				
49+55	0.8012	0.80	O					55+ 5	0.7887	0.79	O				
50+ 0	0.8010	0.80	O					55+10	0.7885	0.79	O				
50+ 5	0.8008	0.80	O					55+15	0.7883	0.79	O				
50+10	0.8005	0.80	O					55+20	0.7881	0.79	O				
50+15	0.8003	0.80	O					55+25	0.7879	0.79	O				
50+20	0.8001	0.80	O					55+30	0.7877	0.79	O				
50+25	0.7999	0.80	O					55+35	0.7875	0.79	O				
50+30	0.7997	0.80	O					55+40	0.7873	0.79	O				
50+35	0.7995	0.80	O					55+45	0.7871	0.79	O				
50+40	0.7993	0.80	O					55+50	0.7869	0.79	O				
50+45	0.7991	0.80	O					55+55	0.7867	0.79	O				
50+50	0.7989	0.80	O					56+ 0	0.7866	0.79	O				
50+55	0.7987	0.80	O					56+ 5	0.7864	0.79	O				
51+ 0	0.7985	0.80	O					56+10	0.7862	0.79	O				
51+ 5	0.7983	0.80	O					56+15	0.7860	0.79	O				
51+10	0.7981	0.80	O					56+20	0.7858	0.79	O				
51+15	0.7979	0.80	O					56+25	0.7856	0.79	O				
51+20	0.7977	0.80	O					56+30	0.7854	0.79	O				
51+25	0.7975	0.80	O					56+35	0.7852	0.79	O				
51+30	0.7973	0.80	O					56+40	0.7850	0.78	O				
51+35	0.7971	0.80	O					56+45	0.7848	0.78	O				
51+40	0.7969	0.80	O					56+50	0.7846	0.78	O				
51+45	0.7967	0.80	O					56+55	0.7844	0.78	O				
51+50	0.7965	0.80	O					57+ 0	0.7842	0.78	O				
51+55	0.7963	0.80	O					57+ 5	0.7840	0.78	O				
52+ 0	0.7961	0.80	O					57+10	0.7838	0.78	O				
52+ 5	0.7959	0.80	O					57+15	0.7836	0.78	O				

57+20	0.7834	0.78	O					62+30	0.7713	0.77	O				
57+25	0.7832	0.78	O					62+35	0.7711	0.77	O				
57+30	0.7830	0.78	O					62+40	0.7709	0.77	O				
57+35	0.7828	0.78	O					62+45	0.7707	0.77	O				
57+40	0.7826	0.78	O					62+50	0.7706	0.77	O				
57+45	0.7824	0.78	O					62+55	0.7704	0.77	O				
57+50	0.7822	0.78	O					63+ 0	0.7702	0.77	O				
57+55	0.7820	0.78	O					63+ 5	0.7700	0.77	O				
58+ 0	0.7818	0.78	O					63+10	0.7698	0.77	O				
58+ 5	0.7816	0.78	O					63+15	0.7696	0.77	O				
58+10	0.7814	0.78	O					63+20	0.7694	0.77	O				
58+15	0.7812	0.78	O					63+25	0.7692	0.77	O				
58+20	0.7811	0.78	O					63+30	0.7690	0.77	O				
58+25	0.7809	0.78	O					63+35	0.7688	0.77	O				
58+30	0.7807	0.78	O					63+40	0.7686	0.77	O				
58+35	0.7805	0.78	O					63+45	0.7684	0.77	O				
58+40	0.7803	0.78	O					63+50	0.7682	0.77	O				
58+45	0.7801	0.78	O					63+55	0.7680	0.77	O				
58+50	0.7799	0.78	O					64+ 0	0.7679	0.77	O				
58+55	0.7797	0.78	O					64+ 5	0.7677	0.77	O				
59+ 0	0.7795	0.78	O					64+10	0.7675	0.77	O				
59+ 5	0.7793	0.78	O					64+15	0.7673	0.77	O				
59+10	0.7791	0.78	O					64+20	0.7671	0.77	O				
59+15	0.7789	0.78	O					64+25	0.7669	0.77	O				
59+20	0.7787	0.78	O					64+30	0.7667	0.77	O				
59+25	0.7785	0.78	O					64+35	0.7665	0.77	O				
59+30	0.7783	0.78	O					64+40	0.7663	0.77	O				
59+35	0.7781	0.78	O					64+45	0.7661	0.77	O				
59+40	0.7779	0.78	O					64+50	0.7659	0.77	O				
59+45	0.7777	0.78	O					64+55	0.7657	0.77	O				
59+50	0.7775	0.78	O					65+ 0	0.7655	0.77	O				
59+55	0.7773	0.78	O					65+ 5	0.7654	0.77	O				
60+ 0	0.7771	0.78	O					65+10	0.7652	0.77	O				
60+ 5	0.7770	0.78	O					65+15	0.7650	0.76	O				
60+10	0.7768	0.78	O					65+20	0.7648	0.76	O				
60+15	0.7766	0.78	O					65+25	0.7646	0.76	O				
60+20	0.7764	0.78	O					65+30	0.7644	0.76	O				
60+25	0.7762	0.78	O					65+35	0.7642	0.76	O				
60+30	0.7760	0.78	O					65+40	0.7640	0.76	O				
60+35	0.7758	0.78	O					65+45	0.7638	0.76	O				
60+40	0.7756	0.78	O					65+50	0.7636	0.76	O				
60+45	0.7754	0.78	O					65+55	0.7634	0.76	O				
60+50	0.7752	0.78	O					66+ 0	0.7632	0.76	O				
60+55	0.7750	0.77	O					66+ 5	0.7631	0.76	O				
61+ 0	0.7748	0.77	O					66+10	0.7629	0.76	O				
61+ 5	0.7746	0.77	O					66+15	0.7627	0.76	O				
61+10	0.7744	0.77	O					66+20	0.7625	0.76	O				
61+15	0.7742	0.77	O					66+25	0.7623	0.76	O				
61+20	0.7740	0.77	O					66+30	0.7621	0.76	O				
61+25	0.7738	0.77	O					66+35	0.7619	0.76	O				
61+30	0.7736	0.77	O					66+40	0.7617	0.76	O				
61+35	0.7735	0.77	O					66+45	0.7615	0.76	O				
61+40	0.7733	0.77	O					66+50	0.7613	0.76	O				
61+45	0.7731	0.77	O					66+55	0.7611	0.76	O				
61+50	0.7729	0.77	O					67+ 0	0.7610	0.76	O				
61+55	0.7727	0.77	O					67+ 5	0.7608	0.76	O				
62+ 0	0.7725	0.77	O					67+10	0.7606	0.76	O				
62+ 5	0.7723	0.77	O					67+15	0.7604	0.76	O				
62+10	0.7721	0.77	O					67+20	0.7602	0.76	O				
62+15	0.7719	0.77	O					67+25	0.7600	0.76	O				
62+20	0.7717	0.77	O					67+30	0.7597	0.76	O				
62+25	0.7715	0.77	O					67+35	0.7595	0.76	O				

67+40	0.7592	0.76	O					72+50	0.7431	0.74	O				
67+45	0.7589	0.76	O					72+55	0.7428	0.74	O				
67+50	0.7587	0.76	O					73+ 0	0.7426	0.74	O				
67+55	0.7584	0.76	O					73+ 5	0.7423	0.74	O				
68+ 0	0.7582	0.76	O					73+10	0.7421	0.74	O				
68+ 5	0.7579	0.76	O					73+15	0.7418	0.74	O				
68+10	0.7576	0.76	O					73+20	0.7416	0.74	O				
68+15	0.7574	0.76	O					73+25	0.7413	0.74	O				
68+20	0.7571	0.76	O					73+30	0.7410	0.74	O				
68+25	0.7569	0.76	O					73+35	0.7408	0.74	O				
68+30	0.7566	0.76	O					73+40	0.7405	0.74	O				
68+35	0.7563	0.76	O					73+45	0.7403	0.74	O				
68+40	0.7561	0.76	O					73+50	0.7400	0.74	O				
68+45	0.7558	0.76	O					73+55	0.7398	0.74	O				
68+50	0.7555	0.76	O					74+ 0	0.7395	0.74	O				
68+55	0.7553	0.76	O					74+ 5	0.7392	0.74	O				
69+ 0	0.7550	0.75	O					74+10	0.7390	0.74	O				
69+ 5	0.7548	0.75	O					74+15	0.7387	0.74	O				
69+10	0.7545	0.75	O					74+20	0.7385	0.74	O				
69+15	0.7542	0.75	O					74+25	0.7382	0.74	O				
69+20	0.7540	0.75	O					74+30	0.7380	0.74	O				
69+25	0.7537	0.75	O					74+35	0.7377	0.74	O				
69+30	0.7535	0.75	O					74+40	0.7375	0.74	O				
69+35	0.7532	0.75	O					74+45	0.7372	0.74	O				
69+40	0.7529	0.75	O					74+50	0.7369	0.74	O				
69+45	0.7527	0.75	O					74+55	0.7367	0.74	O				
69+50	0.7524	0.75	O					75+ 0	0.7364	0.74	O				
69+55	0.7522	0.75	O					75+ 5	0.7362	0.74	O				
70+ 0	0.7519	0.75	O					75+10	0.7359	0.74	O				
70+ 5	0.7516	0.75	O					75+15	0.7357	0.74	O				
70+10	0.7514	0.75	O					75+20	0.7354	0.74	O				
70+15	0.7511	0.75	O					75+25	0.7352	0.74	O				
70+20	0.7508	0.75	O					75+30	0.7349	0.73	O				
70+25	0.7506	0.75	O					75+35	0.7347	0.73	O				
70+30	0.7503	0.75	O					75+40	0.7344	0.73	O				
70+35	0.7501	0.75	O					75+45	0.7341	0.73	O				
70+40	0.7498	0.75	O					75+50	0.7339	0.73	O				
70+45	0.7496	0.75	O					75+55	0.7336	0.73	O				
70+50	0.7493	0.75	O					76+ 0	0.7334	0.73	O				
70+55	0.7490	0.75	O					76+ 5	0.7331	0.73	O				
71+ 0	0.7488	0.75	O					76+10	0.7329	0.73	O				
71+ 5	0.7485	0.75	O					76+15	0.7326	0.73	O				
71+10	0.7483	0.75	O					76+20	0.7324	0.73	O				
71+15	0.7480	0.75	O					76+25	0.7321	0.73	O				
71+20	0.7477	0.75	O					76+30	0.7319	0.73	O				
71+25	0.7475	0.75	O					76+35	0.7316	0.73	O				
71+30	0.7472	0.75	O					76+40	0.7314	0.73	O				
71+35	0.7470	0.75	O					76+45	0.7311	0.73	O				
71+40	0.7467	0.75	O					76+50	0.7309	0.73	O				
71+45	0.7464	0.75	O					76+55	0.7306	0.73	O				
71+50	0.7462	0.75	O					77+ 0	0.7303	0.73	O				
71+55	0.7459	0.75	O					77+ 5	0.7301	0.73	O				
72+ 0	0.7457	0.75	O					77+10	0.7298	0.73	O				
72+ 5	0.7454	0.75	O					77+15	0.7296	0.73	O				
72+10	0.7452	0.75	O					77+20	0.7293	0.73	O				
72+15	0.7449	0.74	O					77+25	0.7291	0.73	O				
72+20	0.7446	0.74	O					77+30	0.7288	0.73	O				
72+25	0.7444	0.74	O					77+35	0.7286	0.73	O				
72+30	0.7441	0.74	O					77+40	0.7283	0.73	O				
72+35	0.7439	0.74	O					77+45	0.7281	0.73	O				
72+40	0.7436	0.74	O					77+50	0.7278	0.73	O				
72+45	0.7434	0.74	O					77+55	0.7276	0.73	O				

78+ 0	0.7273	0.73	O					83+10	0.7119	0.71	O				
78+ 5	0.7271	0.73	O					83+15	0.7116	0.71	O				
78+10	0.7268	0.73	O					83+20	0.7114	0.71	O				
78+15	0.7266	0.73	O					83+25	0.7111	0.71	O				
78+20	0.7263	0.73	O					83+30	0.7109	0.71	O				
78+25	0.7261	0.73	O					83+35	0.7106	0.71	O				
78+30	0.7258	0.73	O					83+40	0.7104	0.71	O				
78+35	0.7256	0.73	O					83+45	0.7102	0.71	O				
78+40	0.7253	0.73	O					83+50	0.7099	0.71	O				
78+45	0.7251	0.73	O					83+55	0.7096	0.71	O				
78+50	0.7248	0.72	O					84+ 0	0.7094	0.71	O				
78+55	0.7246	0.72	O					84+ 5	0.7091	0.71	O				
79+ 0	0.7243	0.72	O					84+10	0.7088	0.71	O				
79+ 5	0.7241	0.72	O					84+15	0.7085	0.71	O				
79+10	0.7238	0.72	O					84+20	0.7083	0.71	O				
79+15	0.7236	0.72	O					84+25	0.7080	0.71	O				
79+20	0.7233	0.72	O					84+30	0.7077	0.71	O				
79+25	0.7231	0.72	O					84+35	0.7075	0.71	O				
79+30	0.7228	0.72	O					84+40	0.7072	0.71	O				
79+35	0.7226	0.72	O					84+45	0.7069	0.71	O				
79+40	0.7223	0.72	O					84+50	0.7066	0.71	O				
79+45	0.7221	0.72	O					84+55	0.7064	0.71	O				
79+50	0.7218	0.72	O					85+ 0	0.7061	0.71	O				
79+55	0.7216	0.72	O					85+ 5	0.7058	0.71	O				
80+ 0	0.7213	0.72	O					85+10	0.7055	0.71	O				
80+ 5	0.7211	0.72	O					85+15	0.7053	0.71	O				
80+10	0.7208	0.72	O					85+20	0.7050	0.70	O				
80+15	0.7206	0.72	O					85+25	0.7047	0.70	O				
80+20	0.7203	0.72	O					85+30	0.7045	0.70	O				
80+25	0.7201	0.72	O					85+35	0.7042	0.70	O				
80+30	0.7198	0.72	O					85+40	0.7039	0.70	O				
80+35	0.7196	0.72	O					85+45	0.7037	0.70	O				
80+40	0.7193	0.72	O					85+50	0.7034	0.70	O				
80+45	0.7191	0.72	O					85+55	0.7031	0.70	O				
80+50	0.7188	0.72	O					86+ 0	0.7028	0.70	O				
80+55	0.7186	0.72	O					86+ 5	0.7026	0.70	O				
81+ 0	0.7183	0.72	O					86+10	0.7023	0.70	O				
81+ 5	0.7181	0.72	O					86+15	0.7020	0.70	O				
81+10	0.7178	0.72	O					86+20	0.7018	0.70	O				
81+15	0.7176	0.72	O					86+25	0.7015	0.70	O				
81+20	0.7173	0.72	O					86+30	0.7012	0.70	O				
81+25	0.7171	0.72	O					86+35	0.7010	0.70	O				
81+30	0.7168	0.72	O					86+40	0.7007	0.70	O				
81+35	0.7166	0.72	O					86+45	0.7004	0.70	O				
81+40	0.7163	0.72	O					86+50	0.7001	0.70	O				
81+45	0.7161	0.72	O					86+55	0.6999	0.70	O				
81+50	0.7158	0.72	O					87+ 0	0.6996	0.70	O				
81+55	0.7156	0.72	O					87+ 5	0.6993	0.70	O				
82+ 0	0.7153	0.72	O					87+10	0.6991	0.70	O				
82+ 5	0.7151	0.72	O					87+15	0.6988	0.70	O				
82+10	0.7148	0.71	O					87+20	0.6985	0.70	O				
82+15	0.7146	0.71	O					87+25	0.6983	0.70	O				
82+20	0.7143	0.71	O					87+30	0.6980	0.70	O				
82+25	0.7141	0.71	O					87+35	0.6977	0.70	O				
82+30	0.7139	0.71	O					87+40	0.6975	0.70	O				
82+35	0.7136	0.71	O					87+45	0.6972	0.70	O				
82+40	0.7134	0.71	O					87+50	0.6969	0.70	O				
82+45	0.7131	0.71	O					87+55	0.6967	0.70	O				
82+50	0.7129	0.71	O					88+ 0	0.6964	0.70	O				
82+55	0.7126	0.71	O					88+ 5	0.6961	0.70	O				
83+ 0	0.7124	0.71	O					88+10	0.6959	0.70	O				
83+ 5	0.7121	0.71	O					88+15	0.6956	0.70	O				

88+20	0.6953	0.70	O					93+30	0.6789	0.68	O				
88+25	0.6951	0.70	O					93+35	0.6787	0.68	O				
88+30	0.6948	0.69	O					93+40	0.6784	0.68	O				
88+35	0.6945	0.69	O					93+45	0.6782	0.68	O				
88+40	0.6943	0.69	O					93+50	0.6779	0.68	O				
88+45	0.6940	0.69	O					93+55	0.6776	0.68	O				
88+50	0.6937	0.69	O					94+ 0	0.6774	0.68	O				
88+55	0.6935	0.69	O					94+ 5	0.6771	0.68	O				
89+ 0	0.6932	0.69	O					94+10	0.6769	0.68	O				
89+ 5	0.6929	0.69	O					94+15	0.6766	0.68	O				
89+10	0.6927	0.69	O					94+20	0.6763	0.68	O				
89+15	0.6924	0.69	O					94+25	0.6761	0.68	O				
89+20	0.6921	0.69	O					94+30	0.6758	0.68	O				
89+25	0.6919	0.69	O					94+35	0.6756	0.68	O				
89+30	0.6916	0.69	O					94+40	0.6753	0.68	O				
89+35	0.6913	0.69	O					94+45	0.6750	0.68	O				
89+40	0.6911	0.69	O					94+50	0.6748	0.67	O				
89+45	0.6908	0.69	O					94+55	0.6745	0.67	O				
89+50	0.6905	0.69	O					95+ 0	0.6743	0.67	O				
89+55	0.6903	0.69	O					95+ 5	0.6740	0.67	O				
90+ 0	0.6900	0.69	O					95+10	0.6737	0.67	O				
90+ 5	0.6897	0.69	O					95+15	0.6735	0.67	O				
90+10	0.6895	0.69	O					95+20	0.6732	0.67	O				
90+15	0.6892	0.69	O					95+25	0.6730	0.67	O				
90+20	0.6889	0.69	O					95+30	0.6727	0.67	O				
90+25	0.6887	0.69	O					95+35	0.6725	0.67	O				
90+30	0.6884	0.69	O					95+40	0.6722	0.67	O				
90+35	0.6881	0.69	O					95+45	0.6719	0.67	O				
90+40	0.6879	0.69	O					95+50	0.6717	0.67	O				
90+45	0.6876	0.69	O					95+55	0.6714	0.67	O				
90+50	0.6873	0.69	O					96+ 0	0.6712	0.67	O				
90+55	0.6871	0.69	O					96+ 5	0.6709	0.67	O				
91+ 0	0.6868	0.69	O					96+10	0.6706	0.67	O				
91+ 5	0.6866	0.69	O					96+15	0.6704	0.67	O				
91+10	0.6863	0.69	O					96+20	0.6701	0.67	O				
91+15	0.6860	0.69	O					96+25	0.6699	0.67	O				
91+20	0.6858	0.69	O					96+30	0.6696	0.67	O				
91+25	0.6855	0.69	O					96+35	0.6694	0.67	O				
91+30	0.6852	0.69	O					96+40	0.6691	0.67	O				
91+35	0.6850	0.68	O					96+45	0.6688	0.67	O				
91+40	0.6847	0.68	O					96+50	0.6686	0.67	O				
91+45	0.6844	0.68	O					96+55	0.6683	0.67	O				
91+50	0.6842	0.68	O					97+ 0	0.6681	0.67	O				
91+55	0.6839	0.68	O					97+ 5	0.6678	0.67	O				
92+ 0	0.6837	0.68	O					97+10	0.6676	0.67	O				
92+ 5	0.6834	0.68	O					97+15	0.6673	0.67	O				
92+10	0.6831	0.68	O					97+20	0.6671	0.67	O				
92+15	0.6829	0.68	O					97+25	0.6668	0.67	O				
92+20	0.6826	0.68	O					97+30	0.6665	0.67	O				
92+25	0.6823	0.68	O					97+35	0.6663	0.67	O				
92+30	0.6821	0.68	O					97+40	0.6660	0.67	O				
92+35	0.6818	0.68	O					97+45	0.6658	0.67	O				
92+40	0.6816	0.68	O					97+50	0.6655	0.67	O				
92+45	0.6813	0.68	O					97+55	0.6653	0.67	O				
92+50	0.6810	0.68	O					98+ 0	0.6650	0.66	O				
92+55	0.6808	0.68	O					98+ 5	0.6647	0.66	O				
93+ 0	0.6805	0.68	O					98+10	0.6645	0.66	O				
93+ 5	0.6803	0.68	O					98+15	0.6642	0.66	O				
93+10	0.6800	0.68	O					98+20	0.6640	0.66	O				
93+15	0.6797	0.68	O					98+25	0.6637	0.66	O				
93+20	0.6795	0.68	O					98+30	0.6635	0.66	O				
93+25	0.6792	0.68	O					98+35	0.6632	0.66	O				

98+40	0.6630	0.66	O					103+50	0.6431	0.64	O				
98+45	0.6627	0.66	O					103+55	0.6427	0.64	O				
98+50	0.6625	0.66	O					104+ 0	0.6424	0.64	O				
98+55	0.6622	0.66	O					104+ 5	0.6421	0.64	O				
99+ 0	0.6619	0.66	O					104+10	0.6417	0.64	O				
99+ 5	0.6617	0.66	O					104+15	0.6414	0.64	O				
99+10	0.6614	0.66	O					104+20	0.6411	0.64	O				
99+15	0.6612	0.66	O					104+25	0.6407	0.64	O				
99+20	0.6609	0.66	O					104+30	0.6404	0.64	O				
99+25	0.6607	0.66	O					104+35	0.6401	0.64	O				
99+30	0.6604	0.66	O					104+40	0.6397	0.64	O				
99+35	0.6602	0.66	O					104+45	0.6394	0.64	O				
99+40	0.6599	0.66	O					104+50	0.6391	0.64	O				
99+45	0.6595	0.66	O					104+55	0.6388	0.64	O				
99+50	0.6592	0.66	O					105+ 0	0.6384	0.64	O				
99+55	0.6589	0.66	O					105+ 5	0.6381	0.64	O				
100+ 0	0.6585	0.66	O					105+10	0.6378	0.64	O				
100+ 5	0.6582	0.66	O					105+15	0.6374	0.64	O				
100+10	0.6578	0.66	O					105+20	0.6371	0.64	O				
100+15	0.6575	0.66	O					105+25	0.6368	0.64	O				
100+20	0.6572	0.66	O					105+30	0.6364	0.64	O				
100+25	0.6568	0.66	O					105+35	0.6361	0.64	O				
100+30	0.6565	0.66	O					105+40	0.6358	0.64	O				
100+35	0.6561	0.66	O					105+45	0.6355	0.64	O				
100+40	0.6558	0.66	O					105+50	0.6351	0.64	O				
100+45	0.6555	0.66	O					105+55	0.6348	0.63	O				
100+50	0.6551	0.66	O					106+ 0	0.6345	0.63	O				
100+55	0.6548	0.65	O					106+ 5	0.6342	0.63	O				
101+ 0	0.6544	0.65	O					106+10	0.6338	0.63	O				
101+ 5	0.6541	0.65	O					106+15	0.6335	0.63	O				
101+10	0.6538	0.65	O					106+20	0.6332	0.63	O				
101+15	0.6534	0.65	O					106+25	0.6328	0.63	O				
101+20	0.6531	0.65	O					106+30	0.6325	0.63	O				
101+25	0.6528	0.65	O					106+35	0.6322	0.63	O				
101+30	0.6524	0.65	O					106+40	0.6319	0.63	O				
101+35	0.6521	0.65	O					106+45	0.6315	0.63	O				
101+40	0.6518	0.65	O					106+50	0.6312	0.63	O				
101+45	0.6514	0.65	O					106+55	0.6309	0.63	O				
101+50	0.6511	0.65	O					107+ 0	0.6306	0.63	O				
101+55	0.6507	0.65	O					107+ 5	0.6302	0.63	O				
102+ 0	0.6504	0.65	O					107+10	0.6299	0.63	O				
102+ 5	0.6501	0.65	O					107+15	0.6296	0.63	O				
102+10	0.6497	0.65	O					107+20	0.6293	0.63	O				
102+15	0.6494	0.65	O					107+25	0.6289	0.63	O				
102+20	0.6491	0.65	O					107+30	0.6286	0.63	O				
102+25	0.6487	0.65	O					107+35	0.6283	0.63	O				
102+30	0.6484	0.65	O					107+40	0.6280	0.63	O				
102+35	0.6481	0.65	O					107+45	0.6276	0.63	O				
102+40	0.6477	0.65	O					107+50	0.6273	0.63	O				
102+45	0.6474	0.65	O					107+55	0.6270	0.63	O				
102+50	0.6471	0.65	O					108+ 0	0.6267	0.63	O				
102+55	0.6467	0.65	O					108+ 5	0.6263	0.63	O				
103+ 0	0.6464	0.65	O					108+10	0.6260	0.63	O				
103+ 5	0.6461	0.65	O					108+15	0.6257	0.63	O				
103+10	0.6457	0.65	O					108+20	0.6254	0.63	O				
103+15	0.6454	0.65	O					108+25	0.6250	0.63	O				
103+20	0.6451	0.65	O					108+30	0.6247	0.62	O				
103+25	0.6447	0.64	O					108+35	0.6244	0.62	O				
103+30	0.6444	0.64	O					108+40	0.6241	0.62	O				
103+35	0.6441	0.64	O					108+45	0.6238	0.62	O				
103+40	0.6437	0.64	O					108+50	0.6234	0.62	O				
103+45	0.6434	0.64	O					108+55	0.6231	0.62	O				

109+ 0	0.6228	0.62	O					114+10	0.6032	0.60	O				
109+ 5	0.6225	0.62	O					114+15	0.6028	0.60	O				
109+10	0.6221	0.62	O					114+20	0.6025	0.60	O				
109+15	0.6218	0.62	O					114+25	0.6022	0.60	O				
109+20	0.6215	0.62	O					114+30	0.6019	0.60	O				
109+25	0.6212	0.62	O					114+35	0.6016	0.60	O				
109+30	0.6209	0.62	O					114+40	0.6013	0.60	O				
109+35	0.6205	0.62	O					114+45	0.6010	0.60	O				
109+40	0.6202	0.62	O					114+50	0.6007	0.60	O				
109+45	0.6199	0.62	O					114+55	0.6004	0.60	O				
109+50	0.6196	0.62	O					115+ 0	0.6001	0.60	O				
109+55	0.6193	0.62	O					115+ 5	0.5997	0.60	O				
110+ 0	0.6189	0.62	O					115+10	0.5993	0.60	O				
110+ 5	0.6186	0.62	O					115+15	0.5989	0.60	O				
110+10	0.6183	0.62	O					115+20	0.5984	0.60	O				
110+15	0.6180	0.62	O					115+25	0.5980	0.60	O				
110+20	0.6177	0.62	O					115+30	0.5976	0.60	O				
110+25	0.6173	0.62	O					115+35	0.5972	0.60	O				
110+30	0.6170	0.62	O					115+40	0.5968	0.60	O				
110+35	0.6167	0.62	O					115+45	0.5964	0.60	O				
110+40	0.6164	0.62	O					115+50	0.5960	0.60	O				
110+45	0.6161	0.62	O					115+55	0.5956	0.60	O				
110+50	0.6158	0.62	O					116+ 0	0.5952	0.60	O				
110+55	0.6154	0.62	O					116+ 5	0.5948	0.59	O				
111+ 0	0.6151	0.62	O					116+10	0.5944	0.59	O				
111+ 5	0.6148	0.61	O					116+15	0.5940	0.59	O				
111+10	0.6145	0.61	O					116+20	0.5936	0.59	O				
111+15	0.6142	0.61	O					116+25	0.5932	0.59	O				
111+20	0.6138	0.61	O					116+30	0.5928	0.59	O				
111+25	0.6135	0.61	O					116+35	0.5924	0.59	O				
111+30	0.6132	0.61	O					116+40	0.5920	0.59	O				
111+35	0.6129	0.61	O					116+45	0.5916	0.59	O				
111+40	0.6126	0.61	O					116+50	0.5912	0.59	O				
111+45	0.6123	0.61	O					116+55	0.5908	0.59	O				
111+50	0.6119	0.61	O					117+ 0	0.5904	0.59	O				
111+55	0.6116	0.61	O					117+ 5	0.5900	0.59	O				
112+ 0	0.6113	0.61	O					117+10	0.5896	0.59	O				
112+ 5	0.6110	0.61	O					117+15	0.5892	0.59	O				
112+10	0.6107	0.61	O					117+20	0.5888	0.59	O				
112+15	0.6104	0.61	O					117+25	0.5884	0.59	O				
112+20	0.6101	0.61	O					117+30	0.5880	0.59	O				
112+25	0.6097	0.61	O					117+35	0.5876	0.59	O				
112+30	0.6094	0.61	O					117+40	0.5872	0.59	O				
112+35	0.6091	0.61	O					117+45	0.5868	0.59	O				
112+40	0.6088	0.61	O					117+50	0.5864	0.59	O				
112+45	0.6085	0.61	O					117+55	0.5860	0.59	O				
112+50	0.6082	0.61	O					118+ 0	0.5856	0.59	O				
112+55	0.6079	0.61	O					118+ 5	0.5852	0.59	O				
113+ 0	0.6075	0.61	O					118+10	0.5848	0.58	O				
113+ 5	0.6072	0.61	O					118+15	0.5844	0.58	O				
113+10	0.6069	0.61	O					118+20	0.5840	0.58	O				
113+15	0.6066	0.61	O					118+25	0.5836	0.58	O				
113+20	0.6063	0.61	O					118+30	0.5832	0.58	O				
113+25	0.6060	0.61	O					118+35	0.5828	0.58	O				
113+30	0.6057	0.61	O					118+40	0.5825	0.58	O				
113+35	0.6053	0.61	O					118+45	0.5821	0.58	O				
113+40	0.6050	0.60	O					118+50	0.5817	0.58	O				
113+45	0.6047	0.60	O					118+55	0.5813	0.58	O				
113+50	0.6044	0.60	O					119+ 0	0.5809	0.58	O				
113+55	0.6041	0.60	O					119+ 5	0.5805	0.58	O				
114+ 0	0.6038	0.60	O					119+10	0.5801	0.58	O				
114+ 5	0.6035	0.60	O					119+15	0.5797	0.58	O				

119+20	0.5793	0.58	O					124+30	0.5555	0.56	O				
119+25	0.5789	0.58	O					124+35	0.5551	0.56	O				
119+30	0.5785	0.58	O					124+40	0.5547	0.55	O				
119+35	0.5781	0.58	O					124+45	0.5544	0.55	O				
119+40	0.5777	0.58	O					124+50	0.5540	0.55	O				
119+45	0.5774	0.58	O					124+55	0.5536	0.55	O				
119+50	0.5770	0.58	O					125+ 0	0.5532	0.55	O				
119+55	0.5766	0.58	O					125+ 5	0.5529	0.55	O				
120+ 0	0.5762	0.58	O					125+10	0.5525	0.55	O				
120+ 5	0.5758	0.58	O					125+15	0.5521	0.55	O				
120+10	0.5754	0.58	O					125+20	0.5517	0.55	O				
120+15	0.5750	0.57	O					125+25	0.5514	0.55	O				
120+20	0.5746	0.57	O					125+30	0.5510	0.55	O				
120+25	0.5742	0.57	O					125+35	0.5506	0.55	O				
120+30	0.5738	0.57	O					125+40	0.5503	0.55	O				
120+35	0.5735	0.57	O					125+45	0.5499	0.55	O				
120+40	0.5731	0.57	O					125+50	0.5495	0.55	O				
120+45	0.5727	0.57	O					125+55	0.5491	0.55	O				
120+50	0.5723	0.57	O					126+ 0	0.5488	0.55	O				
120+55	0.5719	0.57	O					126+ 5	0.5484	0.55	O				
121+ 0	0.5715	0.57	O					126+10	0.5480	0.55	O				
121+ 5	0.5711	0.57	O					126+15	0.5476	0.55	O				
121+10	0.5707	0.57	O					126+20	0.5473	0.55	O				
121+15	0.5704	0.57	O					126+25	0.5469	0.55	O				
121+20	0.5700	0.57	O					126+30	0.5465	0.55	O				
121+25	0.5696	0.57	O					126+35	0.5462	0.55	O				
121+30	0.5692	0.57	O					126+40	0.5458	0.55	O				
121+35	0.5688	0.57	O					126+45	0.5454	0.55	O				
121+40	0.5684	0.57	O					126+50	0.5451	0.55	O				
121+45	0.5680	0.57	O					126+55	0.5447	0.54	O				
121+50	0.5677	0.57	O					127+ 0	0.5443	0.54	O				
121+55	0.5673	0.57	O					127+ 5	0.5440	0.54	O				
122+ 0	0.5669	0.57	O					127+10	0.5436	0.54	O				
122+ 5	0.5665	0.57	O					127+15	0.5432	0.54	O				
122+10	0.5661	0.57	O					127+20	0.5429	0.54	O				
122+15	0.5657	0.57	O					127+25	0.5425	0.54	O				
122+20	0.5654	0.57	O					127+30	0.5421	0.54	O				
122+25	0.5650	0.56	O					127+35	0.5417	0.54	O				
122+30	0.5646	0.56	O					127+40	0.5414	0.54	O				
122+35	0.5642	0.56	O					127+45	0.5410	0.54	O				
122+40	0.5638	0.56	O					127+50	0.5406	0.54	O				
122+45	0.5634	0.56	O					127+55	0.5403	0.54	O				
122+50	0.5631	0.56	O					128+ 0	0.5399	0.54	O				
122+55	0.5627	0.56	O					128+ 5	0.5396	0.54	O				
123+ 0	0.5623	0.56	O					128+10	0.5392	0.54	O				
123+ 5	0.5619	0.56	O					128+15	0.5388	0.54	O				
123+10	0.5615	0.56	O					128+20	0.5385	0.54	O				
123+15	0.5612	0.56	O					128+25	0.5381	0.54	O				
123+20	0.5608	0.56	O					128+30	0.5377	0.54	O				
123+25	0.5604	0.56	O					128+35	0.5374	0.54	O				
123+30	0.5600	0.56	O					128+40	0.5370	0.54	O				
123+35	0.5596	0.56	O					128+45	0.5366	0.54	O				
123+40	0.5593	0.56	O					128+50	0.5363	0.54	O				
123+45	0.5589	0.56	O					128+55	0.5359	0.54	O				
123+50	0.5585	0.56	O					129+ 0	0.5355	0.54	O				
123+55	0.5581	0.56	O					129+ 5	0.5352	0.54	O				
124+ 0	0.5578	0.56	O					129+10	0.5348	0.53	O				
124+ 5	0.5574	0.56	O					129+15	0.5345	0.53	O				
124+10	0.5570	0.56	O					129+20	0.5341	0.53	O				
124+15	0.5566	0.56	O					129+25	0.5337	0.53	O				
124+20	0.5562	0.56	O					129+30	0.5334	0.53	O				
124+25	0.5559	0.56	O					129+35	0.5330	0.53	O				

129+40	0.5327	0.53	O					134+50	0.5036	0.50	O				
129+45	0.5323	0.53	O					134+55	0.5031	0.50	O				
129+50	0.5319	0.53	O					135+ 0	0.5026	0.50	O				
129+55	0.5316	0.53	O					135+ 5	0.5022	0.50	O				
130+ 0	0.5312	0.53	O					135+10	0.5017	0.50	O				
130+ 5	0.5309	0.53	O					135+15	0.5012	0.50	O				
130+10	0.5305	0.53	O					135+20	0.5008	0.50	O				
130+15	0.5301	0.53	O					135+25	0.5003	0.50	O				
130+20	0.5297	0.53	O					135+30	0.4998	0.50	O				
130+25	0.5292	0.53	O					135+35	0.4994	0.50	O				
130+30	0.5287	0.53	O					135+40	0.4989	0.50	O				
130+35	0.5282	0.53	O					135+45	0.4984	0.50	O				
130+40	0.5277	0.53	O					135+50	0.4980	0.50	O				
130+45	0.5272	0.53	O					135+55	0.4975	0.50	O				
130+50	0.5267	0.53	O					136+ 0	0.4970	0.50	O				
130+55	0.5262	0.53	O					136+ 5	0.4966	0.50	O				
131+ 0	0.5257	0.53	O					136+10	0.4961	0.50	O				
131+ 5	0.5252	0.53	O					136+15	0.4956	0.50	O				
131+10	0.5248	0.52	O					136+20	0.4952	0.50	O				
131+15	0.5243	0.52	O					136+25	0.4947	0.49	O				
131+20	0.5238	0.52	O					136+30	0.4942	0.49	O				
131+25	0.5233	0.52	O					136+35	0.4938	0.49	O				
131+30	0.5228	0.52	O					136+40	0.4933	0.49	O				
131+35	0.5223	0.52	O					136+45	0.4929	0.49	O				
131+40	0.5218	0.52	O					136+50	0.4924	0.49	O				
131+45	0.5213	0.52	O					136+55	0.4919	0.49	O				
131+50	0.5208	0.52	O					137+ 0	0.4915	0.49	O				
131+55	0.5204	0.52	O					137+ 5	0.4910	0.49	O				
132+ 0	0.5199	0.52	O					137+10	0.4906	0.49	O				
132+ 5	0.5194	0.52	O					137+15	0.4901	0.49	O				
132+10	0.5189	0.52	O					137+20	0.4896	0.49	O				
132+15	0.5184	0.52	O					137+25	0.4892	0.49	O				
132+20	0.5179	0.52	O					137+30	0.4887	0.49	O				
132+25	0.5174	0.52	O					137+35	0.4883	0.49	O				
132+30	0.5170	0.52	O					137+40	0.4878	0.49	O				
132+35	0.5165	0.52	O					137+45	0.4873	0.49	O				
132+40	0.5160	0.52	O					137+50	0.4869	0.49	O				
132+45	0.5155	0.52	O					137+55	0.4864	0.49	O				
132+50	0.5150	0.51	O					138+ 0	0.4860	0.49	O				
132+55	0.5145	0.51	O					138+ 5	0.4855	0.49	O				
133+ 0	0.5141	0.51	O					138+10	0.4851	0.49	O				
133+ 5	0.5136	0.51	O					138+15	0.4846	0.48	O				
133+10	0.5131	0.51	O					138+20	0.4842	0.48	O				
133+15	0.5126	0.51	O					138+25	0.4837	0.48	O				
133+20	0.5121	0.51	O					138+30	0.4833	0.48	O				
133+25	0.5117	0.51	O					138+35	0.4828	0.48	O				
133+30	0.5112	0.51	O					138+40	0.4824	0.48	O				
133+35	0.5107	0.51	O					138+45	0.4819	0.48	O				
133+40	0.5102	0.51	O					138+50	0.4815	0.48	O				
133+45	0.5097	0.51	O					138+55	0.4810	0.48	O				
133+50	0.5093	0.51	O					139+ 0	0.4806	0.48	O				
133+55	0.5088	0.51	O					139+ 5	0.4801	0.48	O				
134+ 0	0.5083	0.51	O					139+10	0.4797	0.48	O				
134+ 5	0.5078	0.51	O					139+15	0.4792	0.48	O				
134+10	0.5074	0.51	O					139+20	0.4788	0.48	O				
134+15	0.5069	0.51	O					139+25	0.4783	0.48	O				
134+20	0.5064	0.51	O					139+30	0.4779	0.48	O				
134+25	0.5059	0.51	O					139+35	0.4774	0.48	O				
134+30	0.5055	0.51	O					139+40	0.4770	0.48	O				
134+35	0.5050	0.50	O					139+45	0.4765	0.48	O				
134+40	0.5045	0.50	O					139+50	0.4761	0.48	O				
134+45	0.5041	0.50	O					139+55	0.4756	0.48	O				

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      ***************************HYDROGRAPH DATA**************************
                  Number of intervals =  3401
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        9.148 (CFS)
                  Total volume =      12.521 (Ac.Ft)
            Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)     24.747     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)     3.616     0.000     0.000     0.000     0.000
      ************************************************************************


      ------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       9.200 to Point/Station       9.200
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ______________________________________________________________________
      From stored stream number 1 the total
      volume of      3.62 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals (CFS)

      ------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0        8.2      16.5      24.7      33.0
 ----------------------------------------------------------------------
   0+ 5       0.0118      0.01  Q         |         |         |         |
   0+10       0.0649      0.08  Q         |         |         |         |
   0+15       0.1642      0.21  Q         |         |         |         |
   0+20       0.2835      0.37  Q         |         |         |         |
   0+25       0.3466      0.47  Q         |         |         |         |
   0+30       0.3954      0.56  Q         |         |         |         |
   0+35       0.4454      0.66  Q         |         |         |         |
   0+40       0.4851      0.74  Q         |         |         |         |
   0+45       0.5228      0.80  Q         |         |         |         |
   0+50       0.5586      0.85  qQ        |         |         |         |
   0+55       0.5865      0.90  qQ        |         |         |         |
   1+ 0       0.6133      0.94  qQ        |         |         |         |
   1+ 5       0.6417      0.99  qQ        |         |         |         |
   1+10       0.6667      1.04  qQ        |         |         |         |
   1+15       0.6906      1.07  qQ        |         |         |         |
   1+20       0.7143      1.11  qQ        |         |         |         |
   1+25       0.7367      1.14  qQ        |         |         |         |
   1+30       0.7578      1.18  qQ        |         |         |         |
   1+35       0.7785      1.21  qQ        |         |         |         |
   1+40       0.7991      1.24  qQ        |         |         |         |
   1+45       0.8159      1.27  qQ        |         |         |         |
   1+50       0.8299      1.30  |Q        |         |         |         |
   1+55       0.8434      1.32  |Q        |         |         |         |
   2+ 0       0.8571      1.35  |Q        |         |         |         |
   2+ 5       0.8710      1.38  |Q        |         |         |         |
   2+10       0.8841      1.40  |Q        |         |         |         |
   2+15       0.8972      1.43  |Q        |         |         |         |
   2+20       0.9108      1.45  |Q        |         |         |         |
   2+25       0.9245      1.47  |Q        |         |         |         |
   2+30       0.9370      1.50  |Q        |         |         |         |
   2+35       0.9487      1.52  |Q        |         |         |         |
   2+40       0.9603      1.54  |Q        |         |         |         |
   2+45       0.9720      1.56  |Q        |         |         |         |
   2+50       0.9844      1.58  |Q        |         |         |         |
   2+55       0.9966      1.61  |Q        |         |         |         |
   3+ 0       1.0085      1.63  |Q        |         |         |         |
   3+ 5       1.0204      1.65  |Q        |         |         |         |
   3+10       1.0324      1.67  |qQ       |         |         |         |
   3+15       1.0450      1.69  |qQ       |         |         |         |
   3+20       1.0563      1.71  |qQ       |         |         |         |
   3+25       1.0671      1.73  |qQ       |         |         |         |
   3+30       1.0783      1.75  |qQ       |         |         |         |
   3+35       1.0906      1.77  |qQ       |         |         |         |
   3+40       1.1035      1.79  |qQ       |         |         |         |
   3+45       1.1164      1.81  |qQ       |         |         |         |
   3+50       1.1297      1.84  |qQ       |         |         |         |
   3+55       1.1436      1.86  |qQ       |         |         |         |
   4+ 0       1.1557      1.88  |qQ       |         |         |         |
   4+ 5       1.1667      1.90  |qQ       |         |         |         |
   4+10       1.1781      1.92  |qQ       |         |         |         |
   4+15       1.1904      1.95  |qQ       |         |         |         |
   4+20       1.2048      1.97  |qQ       |         |         |         |
   4+25       1.2203      1.99  |qQ       |         |         |         |
   4+30       1.2366      2.02  |qQ       |         |         |         |
   4+35       1.2498      2.04  |qQ       |         |         |         |
   4+40       1.2624      2.07  |qQ       |         |         |         |
   4+45       1.2757      2.09  |qQ       |         |         |         |
   4+50       1.2908      2.12  |qQ       |         |         |         |
   4+55       1.3070      2.15  |qQ       |         |         |         |
   5+ 0       1.3237      2.18  |qQ       |         |         |         |
   5+ 5       3.6292      4.49  |   qQ    |         |         |         |
   5+10       6.8459      7.72  |       qQ|         |         |         |
   5+15      10.0912     10.98  |         | qQ      |         |         |
   5+20      13.3805     15.68  |         |    q  Q|         |         |
   5+25      17.5746     21.81  |         |        |q    Q   |         |
   5+30      21.6546     27.94  |         |        |     q   |  Q      |
   5+35      24.7474     32.34  |         |        |         |q       Q|
   5+40      24.4796     32.97  |         |        |         |q|      Q
   5+45      20.7539     29.69  |         |        |    q    |     Q   |
   5+50      16.1593     25.27  |         |        |q|       Q|         |
   5+55      12.6868     21.84  |         |    q   |      Q  |         |
   6+ 0      10.3620     19.49  |         | q      |   Q     |         |
   6+ 5       8.4466     17.51  |        q|        |Q        |         |
   6+10       6.7777     15.74  |      q  |        Q|        |         |
   6+15       5.3628     14.21  |    q    |       Q |        |         |
   6+20       4.2174     12.95  |   q     |     Q   |        |         |
   6+25       3.3101     11.92  |  q      |    Q    |        |         |
   6+30       2.5963     11.08  | q       |   Q     |        |         |
   6+35       2.0360     10.40  |q        |  Q      |        |         |
   6+40       1.5965      9.84  |q        |Q        |        |         |
   6+45       1.3638      9.49  |q        |Q        |        |         |
   6+50       1.3281      9.34  |q        |Q        |        |         |
   6+55       1.3266      9.23  |q        |Q        |        |         |
   7+ 0       1.3251      9.11  |q        |Q        |        |         |
   7+ 5       1.3236      9.00  |q        Q         |        |         |
   7+10       1.3221      8.89  |q        Q         |        |         |
   7+15       1.3206      8.78  |q        Q         |        |         |
   7+20       1.3192      8.68  |q        Q         |        |         |
   7+25       1.3177      8.57  |q        Q         |        |         |
   7+30       1.3162      8.47  |q        Q         |        |         |
   7+35       1.3147      8.36  |q        Q         |        |         |
   7+40       1.3133      8.26  |q        Q         |        |         |
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7+45	1.3118	8.16	|q Q|	|	|	|		12+55	1.2268	2.63	|q Q	|	|	|	|		
7+50	1.3103	8.06	|q Q|	|	|	|		13+ 0	1.2251	2.59	|q Q	|	|	|	|		
7+55	1.3088	7.97	|q Q|	|	|	|		13+ 5	1.2235	2.55	|q Q	|	|	|	|		
8+ 0	1.3074	7.87	|q Q|	|	|	|		13+10	1.2218	2.51	|q Q	|	|	|	|		
8+ 5	1.3059	7.78	|q Q|	|	|	|		13+15	1.2201	2.48	|q Q	|	|	|	|		
8+10	1.3044	7.64	|q Q|	|	|	|		13+20	1.2185	2.44	|qQ	|	|	|	|		
8+15	1.3030	7.48	|q Q|	|	|	|		13+25	1.2168	2.41	|qQ	|	|	|	|		
8+20	1.3015	7.32	|q Q |	|	|	|		13+30	1.2152	2.38	|qQ	|	|	|	|		
8+25	1.3001	7.16	|q Q |	|	|	|		13+35	1.2135	2.34	|qQ	|	|	|	|		
8+30	1.2986	7.00	|q Q |	|	|	|		13+40	1.2119	2.31	|qQ	|	|	|	|		
8+35	1.2971	6.85	|q Q |	|	|	|		13+45	1.2102	2.28	|qQ	|	|	|	|		
8+40	1.2957	6.71	|q Q |	|	|	|		13+50	1.2086	2.25	|qQ	|	|	|	|		
8+45	1.2942	6.56	|q Q |	|	|	|		13+55	1.2069	2.22	|qQ	|	|	|	|		
8+50	1.2928	6.42	|q Q |	|	|	|		14+ 0	1.2053	2.20	|qQ	|	|	|	|		
8+55	1.2913	6.29	|q Q |	|	|	|		14+ 5	1.2036	2.17	|qQ	|	|	|	|		
9+ 0	1.2899	6.16	|q Q |	|	|	|		14+10	1.2020	2.14	|qQ	|	|	|	|		
9+ 5	1.2884	6.03	|q Q |	|	|	|		14+15	1.2004	2.12	|qQ	|	|	|	|		
9+10	1.2870	5.90	|q Q |	|	|	|		14+20	1.1987	2.09	|qQ	|	|	|	|		
9+15	1.2856	5.78	|q Q |	|	|	|		14+25	1.1971	2.09	|qQ	|	|	|	|		
9+20	1.2841	5.66	|q Q |	|	|	|		14+30	1.1955	2.09	|qQ	|	|	|	|		
9+25	1.2827	5.54	|q Q |	|	|	|		14+35	1.1939	2.08	|qQ	|	|	|	|		
9+30	1.2812	5.43	|q Q |	|	|	|		14+40	1.1922	2.08	|qQ	|	|	|	|		
9+35	1.2799	5.32	|q Q |	|	|	|		14+45	1.1906	2.08	|qQ	|	|	|	|		
9+40	1.2786	5.21	|q Q |	|	|	|		14+50	1.1891	2.08	|qQ	|	|	|	|		
9+45	1.2773	5.11	|q Q |	|	|	|		14+55	1.1877	2.08	|qQ	|	|	|	|		
9+50	1.2761	5.01	|q Q |	|	|	|		15+ 0	1.1863	2.07	|qQ	|	|	|	|		
9+55	1.2748	4.91	|q Q |	|	|	|		15+ 5	1.1848	2.07	|qQ	|	|	|	|		
10+ 0	1.2735	4.81	|q Q |	|	|	|		15+10	1.1834	2.07	|qQ	|	|	|	|		
10+ 5	1.2723	4.72	|q Q |	|	|	|		15+15	1.1820	2.07	|qQ	|	|	|	|		
10+10	1.2710	4.63	|q Q |	|	|	|		15+20	1.1806	2.07	|qQ	|	|	|	|		
10+15	1.2698	4.54	|q Q |	|	|	|		15+25	1.1792	2.07	|qQ	|	|	|	|		
10+20	1.2685	4.45	|q Q |	|	|	|		15+30	1.1778	2.07	|qQ	|	|	|	|		
10+25	1.2673	4.37	|q Q |	|	|	|		15+35	1.1764	2.06	|qQ	|	|	|	|		
10+30	1.2661	4.28	|q Q |	|	|	|		15+40	1.1749	2.06	|qQ	|	|	|	|		
10+35	1.2648	4.20	|q Q |	|	|	|		15+45	1.1735	2.06	|qQ	|	|	|	|		
10+40	1.2636	4.13	|q Q |	|	|	|		15+50	1.1721	2.06	|qQ	|	|	|	|		
10+45	1.2623	4.05	|q Q |	|	|	|		15+55	1.1707	2.06	|qQ	|	|	|	|		
10+50	1.2611	3.98	|q Q |	|	|	|		16+ 0	1.1693	2.06	|qQ	|	|	|	|		
10+55	1.2598	3.90	|q Q |	|	|	|		16+ 5	1.1679	2.05	|qQ	|	|	|	|		
11+ 0	1.2586	3.83	|q Q |	|	|	|		16+10	1.1665	2.05	|qQ	|	|	|	|		
11+ 5	1.2574	3.76	|q Q |	|	|	|		16+15	1.1651	2.05	|qQ	|	|	|	|		
11+10	1.2561	3.70	|q Q |	|	|	|		16+20	1.1637	2.05	|qQ	|	|	|	|		
11+15	1.2549	3.63	|q Q |	|	|	|		16+25	1.1624	2.05	|qQ	|	|	|	|		
11+20	1.2537	3.57	|q Q |	|	|	|		16+30	1.1610	2.05	|qQ	|	|	|	|		
11+25	1.2524	3.51	|q Q |	|	|	|		16+35	1.1596	2.04	|qQ	|	|	|	|		
11+30	1.2512	3.45	|q Q |	|	|	|		16+40	1.1582	2.04	|qQ	|	|	|	|		
11+35	1.2500	3.39	|q Q |	|	|	|		16+45	1.1568	2.04	|qQ	|	|	|	|		
11+40	1.2487	3.33	|q Q |	|	|	|		16+50	1.1554	2.04	|qQ	|	|	|	|		
11+45	1.2475	3.28	|q Q |	|	|	|		16+55	1.1540	2.04	|qQ	|	|	|	|		
11+50	1.2463	3.22	|q Q |	|	|	|		17+ 0	1.1526	2.04	|qQ	|	|	|	|		
11+55	1.2451	3.17	|q Q |	|	|	|		17+ 5	1.1513	2.04	|qQ	|	|	|	|		
12+ 0	1.2438	3.12	|q Q |	|	|	|		17+10	1.1498	2.03	|qQ	|	|	|	|		
12+ 5	1.2426	3.07	|q Q |	|	|	|		17+15	1.1479	2.03	|qQ	|	|	|	|		
12+10	1.2414	3.02	|q Q |	|	|	|		17+20	1.1460	2.03	|qQ	|	|	|	|		
12+15	1.2401	2.97	|q Q |	|	|	|		17+25	1.1442	2.03	|qQ	|	|	|	|		
12+20	1.2385	2.92	|q Q |	|	|	|		17+30	1.1423	2.03	|qQ	|	|	|	|		
12+25	1.2369	2.88	|q Q |	|	|	|		17+35	1.1404	2.02	|qQ	|	|	|	|		
12+30	1.2352	2.83	|q Q |	|	|	|		17+40	1.1385	2.02	|qQ	|	|	|	|		
12+35	1.2335	2.79	|q Q |	|	|	|		17+45	1.1366	2.02	|qQ	|	|	|	|		
12+40	1.2318	2.75	|q Q |	|	|	|		17+50	1.1347	2.02	|qQ	|	|	|	|		
12+45	1.2301	2.71	|q Q |	|	|	|		17+55	1.1328	2.01	|qQ	|	|	|	|		
12+50	1.2285	2.66	|q Q |	|	|	|		18+ 0	1.1310	2.01	|qQ	|	|	|	|		

18+ 5	1.1291	2.01	|qQ	|	|	|	|	23+15	1.0004	1.87	|qQ	|	|	|	|
18+10	1.1272	2.01	|qQ	|	|	|	|	23+20	0.9981	1.87	|qQ	|	|	|	|
18+15	1.1254	2.01	|qQ	|	|	|	|	23+25	0.9958	1.87	|qQ	|	|	|	|
18+20	1.1235	2.00	|qQ	|	|	|	|	23+30	0.9935	1.86	|qQ	|	|	|	|
18+25	1.1216	2.00	|qQ	|	|	|	|	23+35	0.9912	1.86	|qQ	|	|	|	|
18+30	1.1198	2.00	|qQ	|	|	|	|	23+40	0.9887	1.86	|qQ	|	|	|	|
18+35	1.1179	2.00	|qQ	|	|	|	|	23+45	0.9862	1.86	|qQ	|	|	|	|
18+40	1.1161	2.00	|qQ	|	|	|	|	23+50	0.9837	1.85	|qQ	|	|	|	|
18+45	1.1142	1.99	|qQ	|	|	|	|	23+55	0.9811	1.85	|qQ	|	|	|	|
18+50	1.1124	1.99	|qQ	|	|	|	|	24+ 0	0.9786	1.85	|qQ	|	|	|	|
18+55	1.1106	1.99	|qQ	|	|	|	|	24+ 5	0.9761	1.84	|qQ	|	|	|	|
19+ 0	1.1087	1.99	|qQ	|	|	|	|	24+10	0.9736	1.84	|qQ	|	|	|	|
19+ 5	1.1069	1.99	|qQ	|	|	|	|	24+15	0.9710	1.84	|qQ	|	|	|	|
19+10	1.1051	1.98	|qQ	|	|	|	|	24+20	0.9685	1.84	|qQ	|	|	|	|
19+15	1.1032	1.98	|qQ	|	|	|	|	24+25	0.9660	1.83	|qQ	|	|	|	|
19+20	1.1014	1.98	|qQ	|	|	|	|	24+30	0.9635	1.83	|qQ	|	|	|	|
19+25	1.0995	1.98	|qQ	|	|	|	|	24+35	0.9611	1.83	|qQ	|	|	|	|
19+30	1.0975	1.98	|qQ	|	|	|	|	24+40	0.9586	1.83	|qQ	|	|	|	|
19+35	1.0955	1.97	|qQ	|	|	|	|	24+45	0.9561	1.82	|qQ	|	|	|	|
19+40	1.0935	1.97	|qQ	|	|	|	|	24+50	0.9536	1.82	|qQ	|	|	|	|
19+45	1.0915	1.97	|qQ	|	|	|	|	24+55	0.9512	1.82	|qQ	|	|	|	|
19+50	1.0895	1.97	|qQ	|	|	|	|	25+ 0	0.9487	1.82	|qQ	|	|	|	|
19+55	1.0875	1.97	|qQ	|	|	|	|	25+ 5	0.0000	0.87	qQ	|	|	|	|
20+ 0	1.0855	1.96	|qQ	|	|	|	|	25+10	0.0000	0.87	qQ	|	|	|	|
20+ 5	1.0835	1.96	|qQ	|	|	|	|	25+15	0.0000	0.87	qQ	|	|	|	|
20+10	1.0816	1.96	|qQ	|	|	|	|	25+20	0.0000	0.87	qQ	|	|	|	|
20+15	1.0796	1.96	|qQ	|	|	|	|	25+25	0.0000	0.87	qQ	|	|	|	|
20+20	1.0776	1.95	|qQ	|	|	|	|	25+30	0.0000	0.87	qQ	|	|	|	|
20+25	1.0756	1.95	|qQ	|	|	|	|	25+35	0.0000	0.87	qQ	|	|	|	|
20+30	1.0737	1.95	|qQ	|	|	|	|	25+40	0.0000	0.87	qQ	|	|	|	|
20+35	1.0717	1.95	|qQ	|	|	|	|	25+45	0.0000	0.86	qQ	|	|	|	|
20+40	1.0697	1.95	|qQ	|	|	|	|	25+50	0.0000	0.86	qQ	|	|	|	|
20+45	1.0678	1.94	|qQ	|	|	|	|	25+55	0.0000	0.86	qQ	|	|	|	|
20+50	1.0658	1.94	|qQ	|	|	|	|	26+ 0	0.0000	0.86	qQ	|	|	|	|
20+55	1.0639	1.94	|qQ	|	|	|	|	26+ 5	0.0000	0.86	qQ	|	|	|	|
21+ 0	1.0619	1.94	|qQ	|	|	|	|	26+10	0.0000	0.86	qQ	|	|	|	|
21+ 5	1.0600	1.94	|qQ	|	|	|	|	26+15	0.0000	0.86	qQ	|	|	|	|
21+10	1.0580	1.93	|qQ	|	|	|	|	26+20	0.0000	0.86	qQ	|	|	|	|
21+15	1.0561	1.93	|qQ	|	|	|	|	26+25	0.0000	0.86	qQ	|	|	|	|
21+20	1.0542	1.93	|qQ	|	|	|	|	26+30	0.0000	0.86	qQ	|	|	|	|
21+25	1.0522	1.93	|qQ	|	|	|	|	26+35	0.0000	0.86	qQ	|	|	|	|
21+30	1.0503	1.92	|qQ	|	|	|	|	26+40	0.0000	0.86	qQ	|	|	|	|
21+35	1.0480	1.92	|qQ	|	|	|	|	26+45	0.0000	0.86	qQ	|	|	|	|
21+40	1.0455	1.92	|qQ	|	|	|	|	26+50	0.0000	0.86	qQ	|	|	|	|
21+45	1.0431	1.92	|qQ	|	|	|	|	26+55	0.0000	0.86	qQ	|	|	|	|
21+50	1.0407	1.91	|qQ	|	|	|	|	27+ 0	0.0000	0.86	qQ	|	|	|	|
21+55	1.0383	1.91	|qQ	|	|	|	|	27+ 5	0.0000	0.86	qQ	|	|	|	|
22+ 0	1.0359	1.91	|qQ	|	|	|	|	27+10	0.0000	0.86	qQ	|	|	|	|
22+ 5	1.0335	1.91	|qQ	|	|	|	|	27+15	0.0000	0.86	qQ	|	|	|	|
22+10	1.0311	1.90	|qQ	|	|	|	|	27+20	0.0000	0.86	qQ	|	|	|	|
22+15	1.0287	1.90	|qQ	|	|	|	|	27+25	0.0000	0.86	qQ	|	|	|	|
22+20	1.0263	1.90	|qQ	|	|	|	|	27+30	0.0000	0.86	qQ	|	|	|	|
22+25	1.0239	1.90	|qQ	|	|	|	|	27+35	0.0000	0.86	qQ	|	|	|	|
22+30	1.0216	1.89	|qQ	|	|	|	|	27+40	0.0000	0.86	qQ	|	|	|	|
22+35	1.0192	1.89	|qQ	|	|	|	|	27+45	0.0000	0.86	qQ	|	|	|	|
22+40	1.0168	1.89	|qQ	|	|	|	|	27+50	0.0000	0.86	qQ	|	|	|	|
22+45	1.0145	1.89	|qQ	|	|	|	|	27+55	0.0000	0.86	qQ	|	|	|	|
22+50	1.0121	1.88	|qQ	|	|	|	|	28+ 0	0.0000	0.86	qQ	|	|	|	|
22+55	1.0098	1.88	|qQ	|	|	|	|	28+ 5	0.0000	0.86	qQ	|	|	|	|
23+ 0	1.0074	1.88	|qQ	|	|	|	|	28+10	0.0000	0.86	qQ	|	|	|	|
23+ 5	1.0051	1.88	|qQ	|	|	|	|	28+15	0.0000	0.86	qQ	|	|	|	|
23+10	1.0028	1.87	|qQ	|	|	|	|	28+20	0.0000	0.86	qQ	|	|	|	|

28+25	0.0000	0.86	qQ					33+35	0.0000	0.85	qQ				
28+30	0.0000	0.86	qQ					33+40	0.0000	0.85	qQ				
28+35	0.0000	0.86	qQ					33+45	0.0000	0.85	qQ				
28+40	0.0000	0.86	qQ					33+50	0.0000	0.85	qQ				
28+45	0.0000	0.86	qQ					33+55	0.0000	0.85	qQ				
28+50	0.0000	0.86	qQ					34+ 0	0.0000	0.85	qQ				
28+55	0.0000	0.86	qQ					34+ 5	0.0000	0.85	qQ				
29+ 0	0.0000	0.86	qQ					34+10	0.0000	0.85	qQ				
29+ 5	0.0000	0.86	qQ					34+15	0.0000	0.85	qQ				
29+10	0.0000	0.86	qQ					34+20	0.0000	0.85	qQ				
29+15	0.0000	0.86	qQ					34+25	0.0000	0.84	qQ				
29+20	0.0000	0.86	qQ					34+30	0.0000	0.84	qQ				
29+25	0.0000	0.86	qQ					34+35	0.0000	0.84	qQ				
29+30	0.0000	0.86	qQ					34+40	0.0000	0.84	qQ				
29+35	0.0000	0.86	qQ					34+45	0.0000	0.84	qQ				
29+40	0.0000	0.86	qQ					34+50	0.0000	0.84	qQ				
29+45	0.0000	0.86	qQ					34+55	0.0000	0.84	qQ				
29+50	0.0000	0.86	qQ					35+ 0	0.0000	0.84	qQ				
29+55	0.0000	0.86	qQ					35+ 5	0.0000	0.84	qQ				
30+ 0	0.0000	0.86	qQ					35+10	0.0000	0.84	qQ				
30+ 5	0.0000	0.86	qQ					35+15	0.0000	0.84	qQ				
30+10	0.0000	0.86	qQ					35+20	0.0000	0.84	qQ				
30+15	0.0000	0.86	qQ					35+25	0.0000	0.84	qQ				
30+20	0.0000	0.85	qQ					35+30	0.0000	0.84	qQ				
30+25	0.0000	0.85	qQ					35+35	0.0000	0.84	qQ				
30+30	0.0000	0.85	qQ					35+40	0.0000	0.84	qQ				
30+35	0.0000	0.85	qQ					35+45	0.0000	0.84	qQ				
30+40	0.0000	0.85	qQ					35+50	0.0000	0.84	qQ				
30+45	0.0000	0.85	qQ					35+55	0.0000	0.84	qQ				
30+50	0.0000	0.85	qQ					36+ 0	0.0000	0.84	qQ				
30+55	0.0000	0.85	qQ					36+ 5	0.0000	0.84	qQ				
31+ 0	0.0000	0.85	qQ					36+10	0.0000	0.84	qQ				
31+ 5	0.0000	0.85	qQ					36+15	0.0000	0.84	qQ				
31+10	0.0000	0.85	qQ					36+20	0.0000	0.84	qQ				
31+15	0.0000	0.85	qQ					36+25	0.0000	0.84	qQ				
31+20	0.0000	0.85	qQ					36+30	0.0000	0.84	qQ				
31+25	0.0000	0.85	qQ					36+35	0.0000	0.84	qQ				
31+30	0.0000	0.85	qQ					36+40	0.0000	0.84	qQ				
31+35	0.0000	0.85	qQ					36+45	0.0000	0.84	qQ				
31+40	0.0000	0.85	qQ					36+50	0.0000	0.84	qQ				
31+45	0.0000	0.85	qQ					36+55	0.0000	0.84	qQ				
31+50	0.0000	0.85	qQ					37+ 0	0.0000	0.84	qQ				
31+55	0.0000	0.85	qQ					37+ 5	0.0000	0.84	qQ				
32+ 0	0.0000	0.85	qQ					37+10	0.0000	0.84	qQ				
32+ 5	0.0000	0.85	qQ					37+15	0.0000	0.84	qQ				
32+10	0.0000	0.85	qQ					37+20	0.0000	0.84	qQ				
32+15	0.0000	0.85	qQ					37+25	0.0000	0.84	qQ				
32+20	0.0000	0.85	qQ					37+30	0.0000	0.84	qQ				
32+25	0.0000	0.85	qQ					37+35	0.0000	0.84	qQ				
32+30	0.0000	0.85	qQ					37+40	0.0000	0.84	qQ				
32+35	0.0000	0.85	qQ					37+45	0.0000	0.84	qQ				
32+40	0.0000	0.85	qQ					37+50	0.0000	0.84	qQ				
32+45	0.0000	0.85	qQ					37+55	0.0000	0.83	qQ				
32+50	0.0000	0.85	qQ					38+ 0	0.0000	0.83	qQ				
32+55	0.0000	0.85	qQ					38+ 5	0.0000	0.83	qQ				
33+ 0	0.0000	0.85	qQ					38+10	0.0000	0.83	qQ				
33+ 5	0.0000	0.85	qQ					38+15	0.0000	0.83	qQ				
33+10	0.0000	0.85	qQ					38+20	0.0000	0.83	qQ				
33+15	0.0000	0.85	qQ					38+25	0.0000	0.83	qQ				
33+20	0.0000	0.85	qQ					38+30	0.0000	0.83	qQ				
33+25	0.0000	0.85	qQ					38+35	0.0000	0.83	qQ				
33+30	0.0000	0.85	qQ					38+40	0.0000	0.83	qQ				

38+45	0.0000	0.83	qQ	|	|	|	|	43+55	0.0000	0.82	Q	|	|	|	|
38+50	0.0000	0.83	qQ	|	|	|	|	44+ 0	0.0000	0.82	Q	|	|	|	|
38+55	0.0000	0.83	qQ	|	|	|	|	44+ 5	0.0000	0.82	Q	|	|	|	|
39+ 0	0.0000	0.83	qQ	|	|	|	|	44+10	0.0000	0.82	Q	|	|	|	|
39+ 5	0.0000	0.83	qQ	|	|	|	|	44+15	0.0000	0.82	Q	|	|	|	|
39+10	0.0000	0.83	qQ	|	|	|	|	44+20	0.0000	0.82	Q	|	|	|	|
39+15	0.0000	0.83	qQ	|	|	|	|	44+25	0.0000	0.82	Q	|	|	|	|
39+20	0.0000	0.83	qQ	|	|	|	|	44+30	0.0000	0.82	Q	|	|	|	|
39+25	0.0000	0.83	qQ	|	|	|	|	44+35	0.0000	0.82	Q	|	|	|	|
39+30	0.0000	0.83	qQ	|	|	|	|	44+40	0.0000	0.82	Q	|	|	|	|
39+35	0.0000	0.83	qQ	|	|	|	|	44+45	0.0000	0.82	Q	|	|	|	|
39+40	0.0000	0.83	qQ	|	|	|	|	44+50	0.0000	0.82	Q	|	|	|	|
39+45	0.0000	0.83	qQ	|	|	|	|	44+55	0.0000	0.82	Q	|	|	|	|
39+50	0.0000	0.83	qQ	|	|	|	|	45+ 0	0.0000	0.81	Q	|	|	|	|
39+55	0.0000	0.83	qQ	|	|	|	|	45+ 5	0.0000	0.81	Q	|	|	|	|
40+ 0	0.0000	0.83	qQ	|	|	|	|	45+10	0.0000	0.81	Q	|	|	|	|
40+ 5	0.0000	0.83	qQ	|	|	|	|	45+15	0.0000	0.81	Q	|	|	|	|
40+10	0.0000	0.83	qQ	|	|	|	|	45+20	0.0000	0.81	Q	|	|	|	|
40+15	0.0000	0.83	qQ	|	|	|	|	45+25	0.0000	0.81	Q	|	|	|	|
40+20	0.0000	0.83	qQ	|	|	|	|	45+30	0.0000	0.81	Q	|	|	|	|
40+25	0.0000	0.83	qQ	|	|	|	|	45+35	0.0000	0.81	Q	|	|	|	|
40+30	0.0000	0.83	qQ	|	|	|	|	45+40	0.0000	0.81	Q	|	|	|	|
40+35	0.0000	0.83	qQ	|	|	|	|	45+45	0.0000	0.81	Q	|	|	|	|
40+40	0.0000	0.83	qQ	|	|	|	|	45+50	0.0000	0.81	Q	|	|	|	|
40+45	0.0000	0.83	qQ	|	|	|	|	45+55	0.0000	0.81	Q	|	|	|	|
40+50	0.0000	0.83	qQ	|	|	|	|	46+ 0	0.0000	0.81	Q	|	|	|	|
40+55	0.0000	0.83	qQ	|	|	|	|	46+ 5	0.0000	0.81	Q	|	|	|	|
41+ 0	0.0000	0.83	qQ	|	|	|	|	46+10	0.0000	0.81	Q	|	|	|	|
41+ 5	0.0000	0.83	qQ	|	|	|	|	46+15	0.0000	0.81	Q	|	|	|	|
41+10	0.0000	0.83	qQ	|	|	|	|	46+20	0.0000	0.81	Q	|	|	|	|
41+15	0.0000	0.83	qQ	|	|	|	|	46+25	0.0000	0.81	Q	|	|	|	|
41+20	0.0000	0.83	qQ	|	|	|	|	46+30	0.0000	0.81	Q	|	|	|	|
41+25	0.0000	0.82	qQ	|	|	|	|	46+35	0.0000	0.81	Q	|	|	|	|
41+30	0.0000	0.82	qQ	|	|	|	|	46+40	0.0000	0.81	Q	|	|	|	|
41+35	0.0000	0.82	qQ	|	|	|	|	46+45	0.0000	0.81	Q	|	|	|	|
41+40	0.0000	0.82	Q	|	|	|	|	46+50	0.0000	0.81	Q	|	|	|	|
41+45	0.0000	0.82	Q	|	|	|	|	46+55	0.0000	0.81	Q	|	|	|	|
41+50	0.0000	0.82	Q	|	|	|	|	47+ 0	0.0000	0.81	Q	|	|	|	|
41+55	0.0000	0.82	Q	|	|	|	|	47+ 5	0.0000	0.81	Q	|	|	|	|
42+ 0	0.0000	0.82	Q	|	|	|	|	47+10	0.0000	0.81	Q	|	|	|	|
42+ 5	0.0000	0.82	Q	|	|	|	|	47+15	0.0000	0.81	Q	|	|	|	|
42+10	0.0000	0.82	Q	|	|	|	|	47+20	0.0000	0.81	Q	|	|	|	|
42+15	0.0000	0.82	Q	|	|	|	|	47+25	0.0000	0.81	Q	|	|	|	|
42+20	0.0000	0.82	Q	|	|	|	|	47+30	0.0000	0.81	Q	|	|	|	|
42+25	0.0000	0.82	Q	|	|	|	|	47+35	0.0000	0.81	Q	|	|	|	|
42+30	0.0000	0.82	Q	|	|	|	|	47+40	0.0000	0.81	Q	|	|	|	|
42+35	0.0000	0.82	Q	|	|	|	|	47+45	0.0000	0.81	Q	|	|	|	|
42+40	0.0000	0.82	Q	|	|	|	|	47+50	0.0000	0.81	Q	|	|	|	|
42+45	0.0000	0.82	Q	|	|	|	|	47+55	0.0000	0.81	Q	|	|	|	|
42+50	0.0000	0.82	Q	|	|	|	|	48+ 0	0.0000	0.81	Q	|	|	|	|
42+55	0.0000	0.82	Q	|	|	|	|	48+ 5	0.0000	0.81	Q	|	|	|	|
43+ 0	0.0000	0.82	Q	|	|	|	|	48+10	0.0000	0.81	Q	|	|	|	|
43+ 5	0.0000	0.82	Q	|	|	|	|	48+15	0.0000	0.81	Q	|	|	|	|
43+10	0.0000	0.82	Q	|	|	|	|	48+20	0.0000	0.81	Q	|	|	|	|
43+15	0.0000	0.82	Q	|	|	|	|	48+25	0.0000	0.81	Q	|	|	|	|
43+20	0.0000	0.82	Q	|	|	|	|	48+30	0.0000	0.81	Q	|	|	|	|
43+25	0.0000	0.82	Q	|	|	|	|	48+35	0.0000	0.80	Q	|	|	|	|
43+30	0.0000	0.82	Q	|	|	|	|	48+40	0.0000	0.80	Q	|	|	|	|
43+35	0.0000	0.82	Q	|	|	|	|	48+45	0.0000	0.80	Q	|	|	|	|
43+40	0.0000	0.82	Q	|	|	|	|	48+50	0.0000	0.80	Q	|	|	|	|
43+45	0.0000	0.82	Q	|	|	|	|	48+55	0.0000	0.80	Q	|	|	|	|
43+50	0.0000	0.82	Q	|	|	|	|	49+ 0	0.0000	0.80	Q	|	|	|	|

49+ 5	0.0000	0.80	Q					54+15	0.0000	0.79	Q				
49+10	0.0000	0.80	Q					54+20	0.0000	0.79	Q				
49+15	0.0000	0.80	Q					54+25	0.0000	0.79	Q				
49+20	0.0000	0.80	Q					54+30	0.0000	0.79	Q				
49+25	0.0000	0.80	Q					54+35	0.0000	0.79	Q				
49+30	0.0000	0.80	Q					54+40	0.0000	0.79	Q				
49+35	0.0000	0.80	Q					54+45	0.0000	0.79	Q				
49+40	0.0000	0.80	Q					54+50	0.0000	0.79	Q				
49+45	0.0000	0.80	Q					54+55	0.0000	0.79	Q				
49+50	0.0000	0.80	Q					55+ 0	0.0000	0.79	Q				
49+55	0.0000	0.80	Q					55+ 5	0.0000	0.79	Q				
50+ 0	0.0000	0.80	Q					55+10	0.0000	0.79	Q				
50+ 5	0.0000	0.80	Q					55+15	0.0000	0.79	Q				
50+10	0.0000	0.80	Q					55+20	0.0000	0.79	Q				
50+15	0.0000	0.80	Q					55+25	0.0000	0.79	Q				
50+20	0.0000	0.80	Q					55+30	0.0000	0.79	Q				
50+25	0.0000	0.80	Q					55+35	0.0000	0.79	Q				
50+30	0.0000	0.80	Q					55+40	0.0000	0.79	Q				
50+35	0.0000	0.80	Q					55+45	0.0000	0.79	Q				
50+40	0.0000	0.80	Q					55+50	0.0000	0.79	Q				
50+45	0.0000	0.80	Q					55+55	0.0000	0.79	Q				
50+50	0.0000	0.80	Q					56+ 0	0.0000	0.79	Q				
50+55	0.0000	0.80	Q					56+ 5	0.0000	0.79	Q				
51+ 0	0.0000	0.80	Q					56+10	0.0000	0.79	Q				
51+ 5	0.0000	0.80	Q					56+15	0.0000	0.79	Q				
51+10	0.0000	0.80	Q					56+20	0.0000	0.79	Q				
51+15	0.0000	0.80	Q					56+25	0.0000	0.79	Q				
51+20	0.0000	0.80	Q					56+30	0.0000	0.79	Q				
51+25	0.0000	0.80	Q					56+35	0.0000	0.79	Q				
51+30	0.0000	0.80	Q					56+40	0.0000	0.78	Q				
51+35	0.0000	0.80	Q					56+45	0.0000	0.78	Q				
51+40	0.0000	0.80	Q					56+50	0.0000	0.78	Q				
51+45	0.0000	0.80	Q					56+55	0.0000	0.78	Q				
51+50	0.0000	0.80	Q					57+ 0	0.0000	0.78	Q				
51+55	0.0000	0.80	Q					57+ 5	0.0000	0.78	Q				
52+ 0	0.0000	0.80	Q					57+10	0.0000	0.78	Q				
52+ 5	0.0000	0.80	Q					57+15	0.0000	0.78	Q				
52+10	0.0000	0.80	Q					57+20	0.0000	0.78	Q				
52+15	0.0000	0.80	Q					57+25	0.0000	0.78	Q				
52+20	0.0000	0.80	Q					57+30	0.0000	0.78	Q				
52+25	0.0000	0.80	Q					57+35	0.0000	0.78	Q				
52+30	0.0000	0.79	Q					57+40	0.0000	0.78	Q				
52+35	0.0000	0.79	Q					57+45	0.0000	0.78	Q				
52+40	0.0000	0.79	Q					57+50	0.0000	0.78	Q				
52+45	0.0000	0.79	Q					57+55	0.0000	0.78	Q				
52+50	0.0000	0.79	Q					58+ 0	0.0000	0.78	Q				
52+55	0.0000	0.79	Q					58+ 5	0.0000	0.78	Q				
53+ 0	0.0000	0.79	Q					58+10	0.0000	0.78	Q				
53+ 5	0.0000	0.79	Q					58+15	0.0000	0.78	Q				
53+10	0.0000	0.79	Q					58+20	0.0000	0.78	Q				
53+15	0.0000	0.79	Q					58+25	0.0000	0.78	Q				
53+20	0.0000	0.79	Q					58+30	0.0000	0.78	Q				
53+25	0.0000	0.79	Q					58+35	0.0000	0.78	Q				
53+30	0.0000	0.79	Q					58+40	0.0000	0.78	Q				
53+35	0.0000	0.79	Q					58+45	0.0000	0.78	Q				
53+40	0.0000	0.79	Q					58+50	0.0000	0.78	Q				
53+45	0.0000	0.79	Q					58+55	0.0000	0.78	Q				
53+50	0.0000	0.79	Q					59+ 0	0.0000	0.78	Q				
53+55	0.0000	0.79	Q					59+ 5	0.0000	0.78	Q				
54+ 0	0.0000	0.79	Q					59+10	0.0000	0.78	Q				
54+ 5	0.0000	0.79	Q					59+15	0.0000	0.78	Q				
54+10	0.0000	0.79	Q					59+20	0.0000	0.78	Q				

59+25	0.0000	0.78	Q					64+35	0.0000	0.77	Q				
59+30	0.0000	0.78	Q					64+40	0.0000	0.77	Q				
59+35	0.0000	0.78	Q					64+45	0.0000	0.77	Q				
59+40	0.0000	0.78	Q					64+50	0.0000	0.77	Q				
59+45	0.0000	0.78	Q					64+55	0.0000	0.77	Q				
59+50	0.0000	0.78	Q					65+ 0	0.0000	0.77	Q				
59+55	0.0000	0.78	Q					65+ 5	0.0000	0.77	Q				
60+ 0	0.0000	0.78	Q					65+10	0.0000	0.77	Q				
60+ 5	0.0000	0.78	Q					65+15	0.0000	0.76	Q				
60+10	0.0000	0.78	Q					65+20	0.0000	0.76	Q				
60+15	0.0000	0.78	Q					65+25	0.0000	0.76	Q				
60+20	0.0000	0.78	Q					65+30	0.0000	0.76	Q				
60+25	0.0000	0.78	Q					65+35	0.0000	0.76	Q				
60+30	0.0000	0.78	Q					65+40	0.0000	0.76	Q				
60+35	0.0000	0.78	Q					65+45	0.0000	0.76	Q				
60+40	0.0000	0.78	Q					65+50	0.0000	0.76	Q				
60+45	0.0000	0.78	Q					65+55	0.0000	0.76	Q				
60+50	0.0000	0.78	Q					66+ 0	0.0000	0.76	Q				
60+55	0.0000	0.78	Q					66+ 5	0.0000	0.76	Q				
61+ 0	0.0000	0.77	Q					66+10	0.0000	0.76	Q				
61+ 5	0.0000	0.77	Q					66+15	0.0000	0.76	Q				
61+10	0.0000	0.77	Q					66+20	0.0000	0.76	Q				
61+15	0.0000	0.77	Q					66+25	0.0000	0.76	Q				
61+20	0.0000	0.77	Q					66+30	0.0000	0.76	Q				
61+25	0.0000	0.77	Q					66+35	0.0000	0.76	Q				
61+30	0.0000	0.77	Q					66+40	0.0000	0.76	Q				
61+35	0.0000	0.77	Q					66+45	0.0000	0.76	Q				
61+40	0.0000	0.77	Q					66+50	0.0000	0.76	Q				
61+45	0.0000	0.77	Q					66+55	0.0000	0.76	Q				
61+50	0.0000	0.77	Q					67+ 0	0.0000	0.76	Q				
61+55	0.0000	0.77	Q					67+ 5	0.0000	0.76	Q				
62+ 0	0.0000	0.77	Q					67+10	0.0000	0.76	Q				
62+ 5	0.0000	0.77	Q					67+15	0.0000	0.76	Q				
62+10	0.0000	0.77	Q					67+20	0.0000	0.76	Q				
62+15	0.0000	0.77	Q					67+25	0.0000	0.76	Q				
62+20	0.0000	0.77	Q					67+30	0.0000	0.76	Q				
62+25	0.0000	0.77	Q					67+35	0.0000	0.76	Q				
62+30	0.0000	0.77	Q					67+40	0.0000	0.76	Q				
62+35	0.0000	0.77	Q					67+45	0.0000	0.76	Q				
62+40	0.0000	0.77	Q					67+50	0.0000	0.76	Q				
62+45	0.0000	0.77	Q					67+55	0.0000	0.76	Q				
62+50	0.0000	0.77	Q					68+ 0	0.0000	0.76	Q				
62+55	0.0000	0.77	Q					68+ 5	0.0000	0.76	Q				
63+ 0	0.0000	0.77	Q					68+10	0.0000	0.76	Q				
63+ 5	0.0000	0.77	Q					68+15	0.0000	0.76	Q				
63+10	0.0000	0.77	Q					68+20	0.0000	0.76	Q				
63+15	0.0000	0.77	Q					68+25	0.0000	0.76	Q				
63+20	0.0000	0.77	Q					68+30	0.0000	0.76	Q				
63+25	0.0000	0.77	Q					68+35	0.0000	0.76	Q				
63+30	0.0000	0.77	Q					68+40	0.0000	0.76	Q				
63+35	0.0000	0.77	Q					68+45	0.0000	0.76	Q				
63+40	0.0000	0.77	Q					68+50	0.0000	0.76	Q				
63+45	0.0000	0.77	Q					68+55	0.0000	0.76	Q				
63+50	0.0000	0.77	Q					69+ 0	0.0000	0.76	Q				
63+55	0.0000	0.77	Q					69+ 5	0.0000	0.75	Q				
64+ 0	0.0000	0.77	Q					69+10	0.0000	0.75	Q				
64+ 5	0.0000	0.77	Q					69+15	0.0000	0.75	Q				
64+10	0.0000	0.77	Q					69+20	0.0000	0.75	Q				
64+15	0.0000	0.77	Q					69+25	0.0000	0.75	Q				
64+20	0.0000	0.77	Q					69+30	0.0000	0.75	Q				
64+25	0.0000	0.77	Q					69+35	0.0000	0.75	Q				
64+30	0.0000	0.77	Q					69+40	0.0000	0.75	Q				

69+45	0.0000	0.75	Q					74+55	0.0000	0.74	Q				
69+50	0.0000	0.75	Q					75+ 0	0.0000	0.74	Q				
69+55	0.0000	0.75	Q					75+ 5	0.0000	0.74	Q				
70+ 0	0.0000	0.75	Q					75+10	0.0000	0.74	Q				
70+ 5	0.0000	0.75	Q					75+15	0.0000	0.74	Q				
70+10	0.0000	0.75	Q					75+20	0.0000	0.74	Q				
70+15	0.0000	0.75	Q					75+25	0.0000	0.74	Q				
70+20	0.0000	0.75	Q					75+30	0.0000	0.73	Q				
70+25	0.0000	0.75	Q					75+35	0.0000	0.73	Q				
70+30	0.0000	0.75	Q					75+40	0.0000	0.73	Q				
70+35	0.0000	0.75	Q					75+45	0.0000	0.73	Q				
70+40	0.0000	0.75	Q					75+50	0.0000	0.73	Q				
70+45	0.0000	0.75	Q					75+55	0.0000	0.73	Q				
70+50	0.0000	0.75	Q					76+ 0	0.0000	0.73	Q				
70+55	0.0000	0.75	Q					76+ 5	0.0000	0.73	Q				
71+ 0	0.0000	0.75	Q					76+10	0.0000	0.73	Q				
71+ 5	0.0000	0.75	Q					76+15	0.0000	0.73	Q				
71+10	0.0000	0.75	Q					76+20	0.0000	0.73	Q				
71+15	0.0000	0.75	Q					76+25	0.0000	0.73	Q				
71+20	0.0000	0.75	Q					76+30	0.0000	0.73	Q				
71+25	0.0000	0.75	Q					76+35	0.0000	0.73	Q				
71+30	0.0000	0.75	Q					76+40	0.0000	0.73	Q				
71+35	0.0000	0.75	Q					76+45	0.0000	0.73	Q				
71+40	0.0000	0.75	Q					76+50	0.0000	0.73	Q				
71+45	0.0000	0.75	Q					76+55	0.0000	0.73	Q				
71+50	0.0000	0.75	Q					77+ 0	0.0000	0.73	Q				
71+55	0.0000	0.75	Q					77+ 5	0.0000	0.73	Q				
72+ 0	0.0000	0.75	Q					77+10	0.0000	0.73	Q				
72+ 5	0.0000	0.75	Q					77+15	0.0000	0.73	Q				
72+10	0.0000	0.75	Q					77+20	0.0000	0.73	Q				
72+15	0.0000	0.74	Q					77+25	0.0000	0.73	Q				
72+20	0.0000	0.74	Q					77+30	0.0000	0.73	Q				
72+25	0.0000	0.74	Q					77+35	0.0000	0.73	Q				
72+30	0.0000	0.74	Q					77+40	0.0000	0.73	Q				
72+35	0.0000	0.74	Q					77+45	0.0000	0.73	Q				
72+40	0.0000	0.74	Q					77+50	0.0000	0.73	Q				
72+45	0.0000	0.74	Q					77+55	0.0000	0.73	Q				
72+50	0.0000	0.74	Q					78+ 0	0.0000	0.73	Q				
72+55	0.0000	0.74	Q					78+ 5	0.0000	0.73	Q				
73+ 0	0.0000	0.74	Q					78+10	0.0000	0.73	Q				
73+ 5	0.0000	0.74	Q					78+15	0.0000	0.73	Q				
73+10	0.0000	0.74	Q					78+20	0.0000	0.73	Q				
73+15	0.0000	0.74	Q					78+25	0.0000	0.73	Q				
73+20	0.0000	0.74	Q					78+30	0.0000	0.73	Q				
73+25	0.0000	0.74	Q					78+35	0.0000	0.73	Q				
73+30	0.0000	0.74	Q					78+40	0.0000	0.73	Q				
73+35	0.0000	0.74	Q					78+45	0.0000	0.73	Q				
73+40	0.0000	0.74	Q					78+50	0.0000	0.72	Q				
73+45	0.0000	0.74	Q					78+55	0.0000	0.72	Q				
73+50	0.0000	0.74	Q					79+ 0	0.0000	0.72	Q				
73+55	0.0000	0.74	Q					79+ 5	0.0000	0.72	Q				
74+ 0	0.0000	0.74	Q					79+10	0.0000	0.72	Q				
74+ 5	0.0000	0.74	Q					79+15	0.0000	0.72	Q				
74+10	0.0000	0.74	Q					79+20	0.0000	0.72	Q				
74+15	0.0000	0.74	Q					79+25	0.0000	0.72	Q				
74+20	0.0000	0.74	Q					79+30	0.0000	0.72	Q				
74+25	0.0000	0.74	Q					79+35	0.0000	0.72	Q				
74+30	0.0000	0.74	Q					79+40	0.0000	0.72	Q				
74+35	0.0000	0.74	Q					79+45	0.0000	0.72	Q				
74+40	0.0000	0.74	Q					79+50	0.0000	0.72	Q				
74+45	0.0000	0.74	Q					79+55	0.0000	0.72	Q				
74+50	0.0000	0.74	Q					80+ 0	0.0000	0.72	Q				

80+ 5	0.0000	0.72	Q					85+15	0.0000	0.71	Q				
80+10	0.0000	0.72	Q					85+20	0.0000	0.71	Q				
80+15	0.0000	0.72	Q					85+25	0.0000	0.70	Q				
80+20	0.0000	0.72	Q					85+30	0.0000	0.70	Q				
80+25	0.0000	0.72	Q					85+35	0.0000	0.70	Q				
80+30	0.0000	0.72	Q					85+40	0.0000	0.70	Q				
80+35	0.0000	0.72	Q					85+45	0.0000	0.70	Q				
80+40	0.0000	0.72	Q					85+50	0.0000	0.70	Q				
80+45	0.0000	0.72	Q					85+55	0.0000	0.70	Q				
80+50	0.0000	0.72	Q					86+ 0	0.0000	0.70	Q				
80+55	0.0000	0.72	Q					86+ 5	0.0000	0.70	Q				
81+ 0	0.0000	0.72	Q					86+10	0.0000	0.70	Q				
81+ 5	0.0000	0.72	Q					86+15	0.0000	0.70	Q				
81+10	0.0000	0.72	Q					86+20	0.0000	0.70	Q				
81+15	0.0000	0.72	Q					86+25	0.0000	0.70	Q				
81+20	0.0000	0.72	Q					86+30	0.0000	0.70	Q				
81+25	0.0000	0.72	Q					86+35	0.0000	0.70	Q				
81+30	0.0000	0.72	Q					86+40	0.0000	0.70	Q				
81+35	0.0000	0.72	Q					86+45	0.0000	0.70	Q				
81+40	0.0000	0.72	Q					86+50	0.0000	0.70	Q				
81+45	0.0000	0.72	Q					86+55	0.0000	0.70	Q				
81+50	0.0000	0.72	Q					87+ 0	0.0000	0.70	Q				
81+55	0.0000	0.72	Q					87+ 5	0.0000	0.70	Q				
82+ 0	0.0000	0.72	Q					87+10	0.0000	0.70	Q				
82+ 5	0.0000	0.72	Q					87+15	0.0000	0.70	Q				
82+10	0.0000	0.71	Q					87+20	0.0000	0.70	Q				
82+15	0.0000	0.71	Q					87+25	0.0000	0.70	Q				
82+20	0.0000	0.71	Q					87+30	0.0000	0.70	Q				
82+25	0.0000	0.71	Q					87+35	0.0000	0.70	Q				
82+30	0.0000	0.71	Q					87+40	0.0000	0.70	Q				
82+35	0.0000	0.71	Q					87+45	0.0000	0.70	Q				
82+40	0.0000	0.71	Q					87+50	0.0000	0.70	Q				
82+45	0.0000	0.71	Q					87+55	0.0000	0.70	Q				
82+50	0.0000	0.71	Q					88+ 0	0.0000	0.70	Q				
82+55	0.0000	0.71	Q					88+ 5	0.0000	0.70	Q				
83+ 0	0.0000	0.71	Q					88+10	0.0000	0.70	Q				
83+ 5	0.0000	0.71	Q					88+15	0.0000	0.70	Q				
83+10	0.0000	0.71	Q					88+20	0.0000	0.70	Q				
83+15	0.0000	0.71	Q					88+25	0.0000	0.70	Q				
83+20	0.0000	0.71	Q					88+30	0.0000	0.69	Q				
83+25	0.0000	0.71	Q					88+35	0.0000	0.69	Q				
83+30	0.0000	0.71	Q					88+40	0.0000	0.69	Q				
83+35	0.0000	0.71	Q					88+45	0.0000	0.69	Q				
83+40	0.0000	0.71	Q					88+50	0.0000	0.69	Q				
83+45	0.0000	0.71	Q					88+55	0.0000	0.69	Q				
83+50	0.0000	0.71	Q					89+ 0	0.0000	0.69	Q				
83+55	0.0000	0.71	Q					89+ 5	0.0000	0.69	Q				
84+ 0	0.0000	0.71	Q					89+10	0.0000	0.69	Q				
84+ 5	0.0000	0.71	Q					89+15	0.0000	0.69	Q				
84+10	0.0000	0.71	Q					89+20	0.0000	0.69	Q				
84+15	0.0000	0.71	Q					89+25	0.0000	0.69	Q				
84+20	0.0000	0.71	Q					89+30	0.0000	0.69	Q				
84+25	0.0000	0.71	Q					89+35	0.0000	0.69	Q				
84+30	0.0000	0.71	Q					89+40	0.0000	0.69	Q				
84+35	0.0000	0.71	Q					89+45	0.0000	0.69	Q				
84+40	0.0000	0.71	Q					89+50	0.0000	0.69	Q				
84+45	0.0000	0.71	Q					89+55	0.0000	0.69	Q				
84+50	0.0000	0.71	Q					90+ 0	0.0000	0.69	Q				
84+55	0.0000	0.71	Q					90+ 5	0.0000	0.69	Q				
85+ 0	0.0000	0.71	Q					90+10	0.0000	0.69	Q				
85+ 5	0.0000	0.71	Q					90+15	0.0000	0.69	Q				
85+10	0.0000	0.71	Q					90+20	0.0000	0.69	Q				

90+25	0.0000	0.69	Q					95+35	0.0000	0.67	Q				
90+30	0.0000	0.69	Q					95+40	0.0000	0.67	Q				
90+35	0.0000	0.69	Q					95+45	0.0000	0.67	Q				
90+40	0.0000	0.69	Q					95+50	0.0000	0.67	Q				
90+45	0.0000	0.69	Q					95+55	0.0000	0.67	Q				
90+50	0.0000	0.69	Q					96+ 0	0.0000	0.67	Q				
90+55	0.0000	0.69	Q					96+ 5	0.0000	0.67	Q				
91+ 0	0.0000	0.69	Q					96+10	0.0000	0.67	Q				
91+ 5	0.0000	0.69	Q					96+15	0.0000	0.67	Q				
91+10	0.0000	0.69	Q					96+20	0.0000	0.67	Q				
91+15	0.0000	0.69	Q					96+25	0.0000	0.67	Q				
91+20	0.0000	0.69	Q					96+30	0.0000	0.67	Q				
91+25	0.0000	0.69	Q					96+35	0.0000	0.67	Q				
91+30	0.0000	0.69	Q					96+40	0.0000	0.67	Q				
91+35	0.0000	0.68	Q					96+45	0.0000	0.67	Q				
91+40	0.0000	0.68	Q					96+50	0.0000	0.67	Q				
91+45	0.0000	0.68	Q					96+55	0.0000	0.67	Q				
91+50	0.0000	0.68	Q					97+ 0	0.0000	0.67	Q				
91+55	0.0000	0.68	Q					97+ 5	0.0000	0.67	Q				
92+ 0	0.0000	0.68	Q					97+10	0.0000	0.67	Q				
92+ 5	0.0000	0.68	Q					97+15	0.0000	0.67	Q				
92+10	0.0000	0.68	Q					97+20	0.0000	0.67	Q				
92+15	0.0000	0.68	Q					97+25	0.0000	0.67	Q				
92+20	0.0000	0.68	Q					97+30	0.0000	0.67	Q				
92+25	0.0000	0.68	Q					97+35	0.0000	0.67	Q				
92+30	0.0000	0.68	Q					97+40	0.0000	0.67	Q				
92+35	0.0000	0.68	Q					97+45	0.0000	0.67	Q				
92+40	0.0000	0.68	Q					97+50	0.0000	0.67	Q				
92+45	0.0000	0.68	Q					97+55	0.0000	0.67	Q				
92+50	0.0000	0.68	Q					98+ 0	0.0000	0.67	Q				
92+55	0.0000	0.68	Q					98+ 5	0.0000	0.66	Q				
93+ 0	0.0000	0.68	Q					98+10	0.0000	0.66	Q				
93+ 5	0.0000	0.68	Q					98+15	0.0000	0.66	Q				
93+10	0.0000	0.68	Q					98+20	0.0000	0.66	Q				
93+15	0.0000	0.68	Q					98+25	0.0000	0.66	Q				
93+20	0.0000	0.68	Q					98+30	0.0000	0.66	Q				
93+25	0.0000	0.68	Q					98+35	0.0000	0.66	Q				
93+30	0.0000	0.68	Q					98+40	0.0000	0.66	Q				
93+35	0.0000	0.68	Q					98+45	0.0000	0.66	Q				
93+40	0.0000	0.68	Q					98+50	0.0000	0.66	Q				
93+45	0.0000	0.68	Q					98+55	0.0000	0.66	Q				
93+50	0.0000	0.68	Q					99+ 0	0.0000	0.66	Q				
93+55	0.0000	0.68	Q					99+ 5	0.0000	0.66	Q				
94+ 0	0.0000	0.68	Q					99+10	0.0000	0.66	Q				
94+ 5	0.0000	0.68	Q					99+15	0.0000	0.66	Q				
94+10	0.0000	0.68	Q					99+20	0.0000	0.66	Q				
94+15	0.0000	0.68	Q					99+25	0.0000	0.66	Q				
94+20	0.0000	0.68	Q					99+30	0.0000	0.66	Q				
94+25	0.0000	0.68	Q					99+35	0.0000	0.66	Q				
94+30	0.0000	0.68	Q					99+40	0.0000	0.66	Q				
94+35	0.0000	0.68	Q					99+45	0.0000	0.66	Q				
94+40	0.0000	0.68	Q					99+50	0.0000	0.66	Q				
94+45	0.0000	0.68	Q					99+55	0.0000	0.66	Q				
94+50	0.0000	0.67	Q					100+ 0	0.0000	0.66	Q				
94+55	0.0000	0.67	Q					100+ 5	0.0000	0.66	Q				
95+ 0	0.0000	0.67	Q					100+10	0.0000	0.66	Q				
95+ 5	0.0000	0.67	Q					100+15	0.0000	0.66	Q				
95+10	0.0000	0.67	Q					100+20	0.0000	0.66	Q				
95+15	0.0000	0.67	Q					100+25	0.0000	0.66	Q				
95+20	0.0000	0.67	Q					100+30	0.0000	0.66	Q				
95+25	0.0000	0.67	Q					100+35	0.0000	0.66	Q				
95+30	0.0000	0.67	Q					100+40	0.0000	0.66	Q				

100+45	0.0000	0.66	Q					105+55	0.0000	0.63	Q				
100+50	0.0000	0.66	Q					106+ 0	0.0000	0.63	Q				
100+55	0.0000	0.65	Q					106+ 5	0.0000	0.63	Q				
101+ 0	0.0000	0.65	Q					106+10	0.0000	0.63	Q				
101+ 5	0.0000	0.65	Q					106+15	0.0000	0.63	Q				
101+10	0.0000	0.65	Q					106+20	0.0000	0.63	Q				
101+15	0.0000	0.65	Q					106+25	0.0000	0.63	Q				
101+20	0.0000	0.65	Q					106+30	0.0000	0.63	Q				
101+25	0.0000	0.65	Q					106+35	0.0000	0.63	Q				
101+30	0.0000	0.65	Q					106+40	0.0000	0.63	Q				
101+35	0.0000	0.65	Q					106+45	0.0000	0.63	Q				
101+40	0.0000	0.65	Q					106+50	0.0000	0.63	Q				
101+45	0.0000	0.65	Q					106+55	0.0000	0.63	Q				
101+50	0.0000	0.65	Q					107+ 0	0.0000	0.63	Q				
101+55	0.0000	0.65	Q					107+ 5	0.0000	0.63	Q				
102+ 0	0.0000	0.65	Q					107+10	0.0000	0.63	Q				
102+ 5	0.0000	0.65	Q					107+15	0.0000	0.63	Q				
102+10	0.0000	0.65	Q					107+20	0.0000	0.63	Q				
102+15	0.0000	0.65	Q					107+25	0.0000	0.63	Q				
102+20	0.0000	0.65	Q					107+30	0.0000	0.63	Q				
102+25	0.0000	0.65	Q					107+35	0.0000	0.63	Q				
102+30	0.0000	0.65	Q					107+40	0.0000	0.63	Q				
102+35	0.0000	0.65	Q					107+45	0.0000	0.63	Q				
102+40	0.0000	0.65	Q					107+50	0.0000	0.63	Q				
102+45	0.0000	0.65	Q					107+55	0.0000	0.63	Q				
102+50	0.0000	0.65	Q					108+ 0	0.0000	0.63	Q				
102+55	0.0000	0.65	Q					108+ 5	0.0000	0.63	Q				
103+ 0	0.0000	0.65	Q					108+10	0.0000	0.63	Q				
103+ 5	0.0000	0.65	Q					108+15	0.0000	0.63	Q				
103+10	0.0000	0.65	Q					108+20	0.0000	0.63	Q				
103+15	0.0000	0.65	Q					108+25	0.0000	0.63	Q				
103+20	0.0000	0.65	Q					108+30	0.0000	0.62	Q				
103+25	0.0000	0.64	Q					108+35	0.0000	0.62	Q				
103+30	0.0000	0.64	Q					108+40	0.0000	0.62	Q				
103+35	0.0000	0.64	Q					108+45	0.0000	0.62	Q				
103+40	0.0000	0.64	Q					108+50	0.0000	0.62	Q				
103+45	0.0000	0.64	Q					108+55	0.0000	0.62	Q				
103+50	0.0000	0.64	Q					109+ 0	0.0000	0.62	Q				
103+55	0.0000	0.64	Q					109+ 5	0.0000	0.62	Q				
104+ 0	0.0000	0.64	Q					109+10	0.0000	0.62	Q				
104+ 5	0.0000	0.64	Q					109+15	0.0000	0.62	Q				
104+10	0.0000	0.64	Q					109+20	0.0000	0.62	Q				
104+15	0.0000	0.64	Q					109+25	0.0000	0.62	Q				
104+20	0.0000	0.64	Q					109+30	0.0000	0.62	Q				
104+25	0.0000	0.64	Q					109+35	0.0000	0.62	Q				
104+30	0.0000	0.64	Q					109+40	0.0000	0.62	Q				
104+35	0.0000	0.64	Q					109+45	0.0000	0.62	Q				
104+40	0.0000	0.64	Q					109+50	0.0000	0.62	Q				
104+45	0.0000	0.64	Q					109+55	0.0000	0.62	Q				
104+50	0.0000	0.64	Q					110+ 0	0.0000	0.62	Q				
104+55	0.0000	0.64	Q					110+ 5	0.0000	0.62	Q				
105+ 0	0.0000	0.64	Q					110+10	0.0000	0.62	Q				
105+ 5	0.0000	0.64	Q					110+15	0.0000	0.62	Q				
105+10	0.0000	0.64	Q					110+20	0.0000	0.62	Q				
105+15	0.0000	0.64	Q					110+25	0.0000	0.62	Q				
105+20	0.0000	0.64	Q					110+30	0.0000	0.62	Q				
105+25	0.0000	0.64	Q					110+35	0.0000	0.62	Q				
105+30	0.0000	0.64	Q					110+40	0.0000	0.62	Q				
105+35	0.0000	0.64	Q					110+45	0.0000	0.62	Q				
105+40	0.0000	0.64	Q					110+50	0.0000	0.62	Q				
105+45	0.0000	0.64	Q					110+55	0.0000	0.62	Q				
105+50	0.0000	0.64	Q					111+ 0	0.0000	0.62	Q				

111+ 5	0.0000	0.61	Q	|	|	|	|	116+15	0.0000	0.59	Q	|	|	|	|
111+10	0.0000	0.61	Q	|	|	|	|	116+20	0.0000	0.59	Q	|	|	|	|
111+15	0.0000	0.61	Q	|	|	|	|	116+25	0.0000	0.59	Q	|	|	|	|
111+20	0.0000	0.61	Q	|	|	|	|	116+30	0.0000	0.59	Q	|	|	|	|
111+25	0.0000	0.61	Q	|	|	|	|	116+35	0.0000	0.59	Q	|	|	|	|
111+30	0.0000	0.61	Q	|	|	|	|	116+40	0.0000	0.59	Q	|	|	|	|
111+35	0.0000	0.61	Q	|	|	|	|	116+45	0.0000	0.59	Q	|	|	|	|
111+40	0.0000	0.61	Q	|	|	|	|	116+50	0.0000	0.59	Q	|	|	|	|
111+45	0.0000	0.61	Q	|	|	|	|	116+55	0.0000	0.59	Q	|	|	|	|
111+50	0.0000	0.61	Q	|	|	|	|	117+ 0	0.0000	0.59	Q	|	|	|	|
111+55	0.0000	0.61	Q	|	|	|	|	117+ 5	0.0000	0.59	Q	|	|	|	|
112+ 0	0.0000	0.61	Q	|	|	|	|	117+10	0.0000	0.59	Q	|	|	|	|
112+ 5	0.0000	0.61	Q	|	|	|	|	117+15	0.0000	0.59	Q	|	|	|	|
112+10	0.0000	0.61	Q	|	|	|	|	117+20	0.0000	0.59	Q	|	|	|	|
112+15	0.0000	0.61	Q	|	|	|	|	117+25	0.0000	0.59	Q	|	|	|	|
112+20	0.0000	0.61	Q	|	|	|	|	117+30	0.0000	0.59	Q	|	|	|	|
112+25	0.0000	0.61	Q	|	|	|	|	117+35	0.0000	0.59	Q	|	|	|	|
112+30	0.0000	0.61	Q	|	|	|	|	117+40	0.0000	0.59	Q	|	|	|	|
112+35	0.0000	0.61	Q	|	|	|	|	117+45	0.0000	0.59	Q	|	|	|	|
112+40	0.0000	0.61	Q	|	|	|	|	117+50	0.0000	0.59	Q	|	|	|	|
112+45	0.0000	0.61	Q	|	|	|	|	117+55	0.0000	0.59	Q	|	|	|	|
112+50	0.0000	0.61	Q	|	|	|	|	118+ 0	0.0000	0.59	Q	|	|	|	|
112+55	0.0000	0.61	Q	|	|	|	|	118+ 5	0.0000	0.59	Q	|	|	|	|
113+ 0	0.0000	0.61	Q	|	|	|	|	118+10	0.0000	0.58	Q	|	|	|	|
113+ 5	0.0000	0.61	Q	|	|	|	|	118+15	0.0000	0.58	Q	|	|	|	|
113+10	0.0000	0.61	Q	|	|	|	|	118+20	0.0000	0.58	Q	|	|	|	|
113+15	0.0000	0.61	Q	|	|	|	|	118+25	0.0000	0.58	Q	|	|	|	|
113+20	0.0000	0.61	Q	|	|	|	|	118+30	0.0000	0.58	Q	|	|	|	|
113+25	0.0000	0.61	Q	|	|	|	|	118+35	0.0000	0.58	Q	|	|	|	|
113+30	0.0000	0.61	Q	|	|	|	|	118+40	0.0000	0.58	Q	|	|	|	|
113+35	0.0000	0.61	Q	|	|	|	|	118+45	0.0000	0.58	Q	|	|	|	|
113+40	0.0000	0.61	Q	|	|	|	|	118+50	0.0000	0.58	Q	|	|	|	|
113+45	0.0000	0.60	Q	|	|	|	|	118+55	0.0000	0.58	Q	|	|	|	|
113+50	0.0000	0.60	Q	|	|	|	|	119+ 0	0.0000	0.58	Q	|	|	|	|
113+55	0.0000	0.60	Q	|	|	|	|	119+ 5	0.0000	0.58	Q	|	|	|	|
114+ 0	0.0000	0.60	Q	|	|	|	|	119+10	0.0000	0.58	Q	|	|	|	|
114+ 5	0.0000	0.60	Q	|	|	|	|	119+15	0.0000	0.58	Q	|	|	|	|
114+10	0.0000	0.60	Q	|	|	|	|	119+20	0.0000	0.58	Q	|	|	|	|
114+15	0.0000	0.60	Q	|	|	|	|	119+25	0.0000	0.58	Q	|	|	|	|
114+20	0.0000	0.60	Q	|	|	|	|	119+30	0.0000	0.58	Q	|	|	|	|
114+25	0.0000	0.60	Q	|	|	|	|	119+35	0.0000	0.58	Q	|	|	|	|
114+30	0.0000	0.60	Q	|	|	|	|	119+40	0.0000	0.58	Q	|	|	|	|
114+35	0.0000	0.60	Q	|	|	|	|	119+45	0.0000	0.58	Q	|	|	|	|
114+40	0.0000	0.60	Q	|	|	|	|	119+50	0.0000	0.58	Q	|	|	|	|
114+45	0.0000	0.60	Q	|	|	|	|	119+55	0.0000	0.58	Q	|	|	|	|
114+50	0.0000	0.60	Q	|	|	|	|	120+ 0	0.0000	0.58	Q	|	|	|	|
114+55	0.0000	0.60	Q	|	|	|	|	120+ 5	0.0000	0.58	Q	|	|	|	|
115+ 0	0.0000	0.60	Q	|	|	|	|	120+10	0.0000	0.58	Q	|	|	|	|
115+ 5	0.0000	0.60	Q	|	|	|	|	120+15	0.0000	0.58	Q	|	|	|	|
115+10	0.0000	0.60	Q	|	|	|	|	120+20	0.0000	0.57	Q	|	|	|	|
115+15	0.0000	0.60	Q	|	|	|	|	120+25	0.0000	0.57	Q	|	|	|	|
115+20	0.0000	0.60	Q	|	|	|	|	120+30	0.0000	0.57	Q	|	|	|	|
115+25	0.0000	0.60	Q	|	|	|	|	120+35	0.0000	0.57	Q	|	|	|	|
115+30	0.0000	0.60	Q	|	|	|	|	120+40	0.0000	0.57	Q	|	|	|	|
115+35	0.0000	0.60	Q	|	|	|	|	120+45	0.0000	0.57	Q	|	|	|	|
115+40	0.0000	0.60	Q	|	|	|	|	120+50	0.0000	0.57	Q	|	|	|	|
115+45	0.0000	0.60	Q	|	|	|	|	120+55	0.0000	0.57	Q	|	|	|	|
115+50	0.0000	0.60	Q	|	|	|	|	121+ 0	0.0000	0.57	Q	|	|	|	|
115+55	0.0000	0.60	Q	|	|	|	|	121+ 5	0.0000	0.57	Q	|	|	|	|
116+ 0	0.0000	0.60	Q	|	|	|	|	121+10	0.0000	0.57	Q	|	|	|	|
116+ 5	0.0000	0.59	Q	|	|	|	|	121+15	0.0000	0.57	Q	|	|	|	|
116+10	0.0000	0.59	Q	|	|	|	|	121+20	0.0000	0.57	Q	|	|	|	|

121+25	0.0000	0.57	Q					126+35	0.0000	0.55	Q				
121+30	0.0000	0.57	Q					126+40	0.0000	0.55	Q				
121+35	0.0000	0.57	Q					126+45	0.0000	0.55	Q				
121+40	0.0000	0.57	Q					126+50	0.0000	0.55	Q				
121+45	0.0000	0.57	Q					126+55	0.0000	0.54	Q				
121+50	0.0000	0.57	Q					127+ 0	0.0000	0.54	Q				
121+55	0.0000	0.57	Q					127+ 5	0.0000	0.54	Q				
122+ 0	0.0000	0.57	Q					127+10	0.0000	0.54	Q				
122+ 5	0.0000	0.57	Q					127+15	0.0000	0.54	Q				
122+10	0.0000	0.57	Q					127+20	0.0000	0.54	Q				
122+15	0.0000	0.57	Q					127+25	0.0000	0.54	Q				
122+20	0.0000	0.57	Q					127+30	0.0000	0.54	Q				
122+25	0.0000	0.56	Q					127+35	0.0000	0.54	Q				
122+30	0.0000	0.56	Q					127+40	0.0000	0.54	Q				
122+35	0.0000	0.56	Q					127+45	0.0000	0.54	Q				
122+40	0.0000	0.56	Q					127+50	0.0000	0.54	Q				
122+45	0.0000	0.56	Q					127+55	0.0000	0.54	Q				
122+50	0.0000	0.56	Q					128+ 0	0.0000	0.54	Q				
122+55	0.0000	0.56	Q					128+ 5	0.0000	0.54	Q				
123+ 0	0.0000	0.56	Q					128+10	0.0000	0.54	Q				
123+ 5	0.0000	0.56	Q					128+15	0.0000	0.54	Q				
123+10	0.0000	0.56	Q					128+20	0.0000	0.54	Q				
123+15	0.0000	0.56	Q					128+25	0.0000	0.54	Q				
123+20	0.0000	0.56	Q					128+30	0.0000	0.54	Q				
123+25	0.0000	0.56	Q					128+35	0.0000	0.54	Q				
123+30	0.0000	0.56	Q					128+40	0.0000	0.54	Q				
123+35	0.0000	0.56	Q					128+45	0.0000	0.54	Q				
123+40	0.0000	0.56	Q					128+50	0.0000	0.54	Q				
123+45	0.0000	0.56	Q					128+55	0.0000	0.54	Q				
123+50	0.0000	0.56	Q					129+ 0	0.0000	0.54	Q				
123+55	0.0000	0.56	Q					129+ 5	0.0000	0.54	Q				
124+ 0	0.0000	0.56	Q					129+10	0.0000	0.53	Q				
124+ 5	0.0000	0.56	Q					129+15	0.0000	0.53	Q				
124+10	0.0000	0.56	Q					129+20	0.0000	0.53	Q				
124+15	0.0000	0.56	Q					129+25	0.0000	0.53	Q				
124+20	0.0000	0.56	Q					129+30	0.0000	0.53	Q				
124+25	0.0000	0.56	Q					129+35	0.0000	0.53	Q				
124+30	0.0000	0.56	Q					129+40	0.0000	0.53	Q				
124+35	0.0000	0.56	Q					129+45	0.0000	0.53	Q				
124+40	0.0000	0.55	Q					129+50	0.0000	0.53	Q				
124+45	0.0000	0.55	Q					129+55	0.0000	0.53	Q				
124+50	0.0000	0.55	Q					130+ 0	0.0000	0.53	Q				
124+55	0.0000	0.55	Q					130+ 5	0.0000	0.53	Q				
125+ 0	0.0000	0.55	Q					130+10	0.0000	0.53	Q				
125+ 5	0.0000	0.55	Q					130+15	0.0000	0.53	Q				
125+10	0.0000	0.55	Q					130+20	0.0000	0.53	Q				
125+15	0.0000	0.55	Q					130+25	0.0000	0.53	Q				
125+20	0.0000	0.55	Q					130+30	0.0000	0.53	Q				
125+25	0.0000	0.55	Q					130+35	0.0000	0.53	Q				
125+30	0.0000	0.55	Q					130+40	0.0000	0.53	Q				
125+35	0.0000	0.55	Q					130+45	0.0000	0.53	Q				
125+40	0.0000	0.55	Q					130+50	0.0000	0.53	Q				
125+45	0.0000	0.55	Q					130+55	0.0000	0.53	Q				
125+50	0.0000	0.55	Q					131+ 0	0.0000	0.53	Q				
125+55	0.0000	0.55	Q					131+ 5	0.0000	0.53	Q				
126+ 0	0.0000	0.55	Q					131+10	0.0000	0.52	Q				
126+ 5	0.0000	0.55	Q					131+15	0.0000	0.52	Q				
126+10	0.0000	0.55	Q					131+20	0.0000	0.52	Q				
126+15	0.0000	0.55	Q					131+25	0.0000	0.52	Q				
126+20	0.0000	0.55	Q					131+30	0.0000	0.52	Q				
126+25	0.0000	0.55	Q					131+35	0.0000	0.52	Q				
126+30	0.0000	0.55	Q					131+40	0.0000	0.52	Q				

131+45	0.0000	0.52	Q				
131+50	0.0000	0.52	Q				
131+55	0.0000	0.52	Q				
132+ 0	0.0000	0.52	Q				
132+ 5	0.0000	0.52	Q				
132+10	0.0000	0.52	Q				
132+15	0.0000	0.52	Q				
132+20	0.0000	0.52	Q				
132+25	0.0000	0.52	Q				
132+30	0.0000	0.52	Q				
132+35	0.0000	0.52	Q				
132+40	0.0000	0.52	Q				
132+45	0.0000	0.52	Q				
132+50	0.0000	0.52	Q				
132+55	0.0000	0.51	Q				
133+ 0	0.0000	0.51	Q				
133+ 5	0.0000	0.51	Q				
133+10	0.0000	0.51	Q				
133+15	0.0000	0.51	Q				
133+20	0.0000	0.51	Q				
133+25	0.0000	0.51	Q				
133+30	0.0000	0.51	Q				
133+35	0.0000	0.51	Q				
133+40	0.0000	0.51	Q				
133+45	0.0000	0.51	Q				
133+50	0.0000	0.51	Q				
133+55	0.0000	0.51	Q				
134+ 0	0.0000	0.51	Q				
134+ 5	0.0000	0.51	Q				
134+10	0.0000	0.51	Q				
134+15	0.0000	0.51	Q				
134+20	0.0000	0.51	Q				
134+25	0.0000	0.51	Q				
134+30	0.0000	0.51	Q				
134+35	0.0000	0.50	Q				
134+40	0.0000	0.50	Q				
134+45	0.0000	0.50	Q				
134+50	0.0000	0.50	Q				
134+55	0.0000	0.50	Q				
135+ 0	0.0000	0.50	Q				
135+ 5	0.0000	0.50	Q				
135+10	0.0000	0.50	Q				
135+15	0.0000	0.50	Q				
135+20	0.0000	0.50	Q				
135+25	0.0000	0.50	Q				
135+30	0.0000	0.50	Q				
135+35	0.0000	0.50	Q				
135+40	0.0000	0.50	Q				
135+45	0.0000	0.50	Q				
135+50	0.0000	0.50	Q				
135+55	0.0000	0.50	Q				
136+ 0	0.0000	0.50	Q				
136+ 5	0.0000	0.50	Q				
136+10	0.0000	0.50	Q				
136+15	0.0000	0.50	Q				
136+20	0.0000	0.50	Q				
136+25	0.0000	0.49	Q				
136+30	0.0000	0.49	Q				
136+35	0.0000	0.49	Q				
136+40	0.0000	0.49	Q				
136+45	0.0000	0.49	Q				
136+50	0.0000	0.49	Q				
136+55	0.0000	0.49	Q				
137+ 0	0.0000	0.49	Q				
137+ 5	0.0000	0.49	Q				
137+10	0.0000	0.49	Q				
137+15	0.0000	0.49	Q				
137+20	0.0000	0.49	Q				
137+25	0.0000	0.49	Q				
137+30	0.0000	0.49	Q				
137+35	0.0000	0.49	Q				
137+40	0.0000	0.49	Q				
137+45	0.0000	0.49	Q				
137+50	0.0000	0.49	Q				
137+55	0.0000	0.49	Q				
138+ 0	0.0000	0.49	Q				
138+ 5	0.0000	0.49	Q				
138+10	0.0000	0.49	Q				
138+15	0.0000	0.48	Q				
138+20	0.0000	0.48	Q				
138+25	0.0000	0.48	Q				
138+30	0.0000	0.48	Q				
138+35	0.0000	0.48	Q				
138+40	0.0000	0.48	Q				
138+45	0.0000	0.48	Q				
138+50	0.0000	0.48	Q				
138+55	0.0000	0.48	Q				
139+ 0	0.0000	0.48	Q				
139+ 5	0.0000	0.48	Q				
139+10	0.0000	0.48	Q				
139+15	0.0000	0.48	Q				
139+20	0.0000	0.48	Q				
139+25	0.0000	0.48	Q				
139+30	0.0000	0.48	Q				
139+35	0.0000	0.48	Q				
139+40	0.0000	0.48	Q				
139+45	0.0000	0.48	Q				
139+50	0.0000	0.48	Q				
139+55	0.0000	0.48	Q				

```
----------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  3401
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       32.972 (CFS)
                        Total volume =      16.137 (Ac.Ft)
                Status of hydrographs being held in storage
                          Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        9.200 to Point/Station        9.500
        **** STREAM ROUTING SCS CONVEX METHOD ****
        ________________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =    182.00 (Ft.)
        Elevation difference =   50.00 (Ft.)
        Slope of channel =  0.274725 (Vert/Horiz)
        Channel type - Pipe
```

```
      Pipe length  =   182.00(Ft.)   Elevation difference =  50.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =     4.824(CFS)
      Given pipe size =     36.00(In.)
      Calculated individual pipe flow  =     4.824(CFS)
      Normal flow depth in pipe =    2.96(In.)
      Flow top width inside pipe =   19.77(In.)
      Critical Depth =    0.69(Ft.)
      Pipe flow velocity =     17.51(Ft/s)
      Travel time through pipe =    0.17 min.


      Pipe length  =   182.00(Ft.)   Elevation difference =  50.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =    32.972(CFS)
      Given pipe size =     36.00(In.)
      Calculated individual pipe flow  =    32.972(CFS)
      Normal flow depth in pipe =    7.47(In.)
      Flow top width inside pipe =   29.20(In.)
      Critical Depth =    1.86(Ft.)
      Pipe flow velocity =     31.09(Ft/s)
      Travel time through pipe =    0.10 min.


      ********************** SCS CONVEX CHANNEL ROUTING *********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.9482   Travel time =   0.10 (min.)
               dt*(unit time interval) =   5.00(min.),  e=  36.3688
               dt(routing time-step) =   0.09 (min.),   c* =   1.0000

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       P R I N T  O F  S T O R M
                    R u n o f f     H y d r o g r a p h
      ----------------------------------------------------------------------
                Hydrograph in   5   Minute intervals (CFS)

      ----------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        8.2      16.5      24.7      33.0
----------------------------------------------------------------------
  0+ 5       0.0145      0.01  O        |         |         |         |
  0+10       0.0819      0.08  O        |         |         |         |
  0+15       0.2104      0.21  O        |         |         |         |
  0+20       0.3671      0.37  O        |         |         |         |
  0+25       0.4715      0.47  O        |         |         |         |
  0+30       0.5624      0.56  O        |         |         |         |
  0+35       0.6572      0.66  O        |         |         |         |
  0+40       0.7410      0.74  O        |         |         |         |
  0+45       0.7999      0.80  O        |         |         |         |
  0+50       0.8535      0.85  |O       |         |         |         |
  0+55       0.8993      0.90  |O       |         |         |         |
  1+ 0       0.9441      0.94  |O       |         |         |         |
  1+ 5       0.9915      0.99  |O       |         |         |         |
  1+10       1.0356      1.04  |O       |         |         |         |
  1+15       1.0724      1.07  |O       |         |         |         |
  1+20       1.1083      1.11  |O       |         |         |         |
  1+25       1.1429      1.14  |O       |         |         |         |
  1+30       1.1760      1.18  |O       |         |         |         |
  1+35       1.2089      1.21  |O       |         |         |         |
  1+40       1.2415      1.24  |O       |         |         |         |
  1+45       1.2705      1.27  |O       |         |         |         |
  1+50       1.2966      1.30  |O       |         |         |         |
  1+55       1.3221      1.32  |O       |         |         |         |
  2+ 0       1.3480      1.35  |O       |         |         |         |
  2+ 5       1.3746      1.38  |O       |         |         |         |
  2+10       1.4005      1.40  |O       |         |         |         |
  2+15       1.4263      1.43  |O       |         |         |         |
  2+20       1.4502      1.45  |O       |         |         |         |
  2+25       1.4739      1.47  |O       |         |         |         |
  2+30       1.4964      1.50  |O       |         |         |         |
  2+35       1.5181      1.52  |O       |         |         |         |
  2+40       1.5397      1.54  |O       |         |         |         |
  2+45       1.5616      1.56  |O       |         |         |         |
  2+50       1.5841      1.58  |O       |         |         |         |
  2+55       1.6051      1.61  |O       |         |         |         |
  3+ 0       1.6256      1.63  |O       |         |         |         |
  3+ 5       1.6461      1.65  |O       |         |         |         |
  3+10       1.6668      1.67  | O      |         |         |         |
  3+15       1.6885      1.69  | O      |         |         |         |
  3+20       1.7093      1.71  | O      |         |         |         |
  3+25       1.7288      1.73  | O      |         |         |         |
  3+30       1.7479      1.75  | O      |         |         |         |
  3+35       1.7683      1.77  | O      |         |         |         |
  3+40       1.7900      1.79  | O      |         |         |         |
  3+45       1.8123      1.81  | O      |         |         |         |
  3+50       1.8354      1.84  | O      |         |         |         |
  3+55       1.8588      1.86  | O      |         |         |         |
  4+ 0       1.8804      1.88  | O      |         |         |         |
  4+ 5       1.9013      1.90  | O      |         |         |         |
  4+10       1.9229      1.92  | O      |         |         |         |
  4+15       1.9461      1.95  | O      |         |         |         |
  4+20       1.9698      1.97  | O      |         |         |         |
  4+25       1.9942      1.99  | O      |         |         |         |
  4+30       2.0198      2.02  | O      |         |         |         |
  4+35       2.0426      2.04  | O      |         |         |         |
  4+40       2.0657      2.07  | O      |         |         |         |
  4+45       2.0906      2.09  | O      |         |         |         |
  4+50       2.1180      2.12  | O      |         |         |         |
  4+55       2.1468      2.15  | O      |         |         |         |
  5+ 0       2.1753      2.18  | O      |         |         |         |
  5+ 5       4.4488      4.49  |    O   |         |         |         |
  5+10       7.6599      7.72  |        O|         |         |         |
  5+15      10.9174     10.98  |         | O       |         |         |
  5+20      15.5926     15.68  |         |       OI|         |         |
  5+25      21.6939     21.81  |         |         |    O    |         |
  5+30      27.8259     27.94  |         |         |         | O       |
  5+35      32.2549     32.34  |         |         |         |        O|
  5+40      32.9606     32.97  |         |         |         |        OI
  5+45      29.7514     29.69  |         |         |         |    O    |
  5+50      25.3474     25.27  |         |         |         O         |
  5+55      21.8985     21.84  |         |         |    O    |         |
  6+ 0      19.5323     19.49  |         |         | O       |         |
  6+ 5      17.5464     17.51  |         |         O|        |         |
  6+10      15.7775     15.74  |         |       O|         |         |
  6+15      14.2423     14.21  |         |     O   |         |         |
  6+20      12.9700     12.95  |         |   O     |         |         |
```

6+25	11.9357	11.92	|	| O	|	|	|	11+35	3.3892	3.39	| O	|	|	|	|
6+30	11.0966	11.08	|	| O	|	|	|	11+40	3.3319	3.33	| O	|	|	|	|
6+35	10.4133	10.40	|	| O	|	|	|	11+45	3.2762	3.28	| O	|	|	|	|
6+40	9.8531	9.84	|	|O	|	|	|	11+50	3.2219	3.22	| O	|	|	|	|
6+45	9.4997	9.49	|	|O	|	|	|	11+55	3.1689	3.17	| O	|	|	|	|
6+50	9.3451	9.34	|	|O	|	|	|	12+ 0	3.1173	3.12	| O	|	|	|	|
6+55	9.2294	9.23	|	|O	|	|	|	12+ 5	3.0671	3.07	| O	|	|	|	|
7+ 0	9.1159	9.11	|	|O	|	|	|	12+10	3.0181	3.02	| O	|	|	|	|
7+ 5	9.0041	9.00	|	O	|	|	|	12+15	2.9704	2.97	| O	|	|	|	|
7+10	8.8938	8.89	|	O	|	|	|	12+20	2.9235	2.92	| O	|	|	|	|
7+15	8.7850	8.78	|	O	|	|	|	12+25	2.8777	2.88	| O	|	|	|	|
7+20	8.6778	8.68	|	O	|	|	|	12+30	2.8331	2.83	| O	|	|	|	|
7+25	8.5720	8.57	|	O	|	|	|	12+35	2.7896	2.79	| O	|	|	|	|
7+30	8.4678	8.47	|	O	|	|	|	12+40	2.7471	2.75	| O	|	|	|	|
7+35	8.3650	8.36	|	O	|	|	|	12+45	2.7058	2.71	| O	|	|	|	|
7+40	8.2636	8.26	|	O	|	|	|	12+50	2.6655	2.66	| O	|	|	|	|
7+45	8.1637	8.16	|	O|	|	|	|	12+55	2.6262	2.63	| O	|	|	|	|
7+50	8.0651	8.06	|	O|	|	|	|	13+ 0	2.5879	2.59	| O	|	|	|	|
7+55	7.9680	7.97	|	O|	|	|	|	13+ 5	2.5506	2.55	| O	|	|	|	|
8+ 0	7.8722	7.87	|	O|	|	|	|	13+10	2.5142	2.51	| O	|	|	|	|
8+ 5	7.7777	7.78	|	O|	|	|	|	13+15	2.4787	2.48	| O	|	|	|	|
8+10	7.6460	7.64	|	O|	|	|	|	13+20	2.4441	2.44	|O	|	|	|	|
8+15	7.4832	7.48	|	O|	|	|	|	13+25	2.4104	2.41	|O	|	|	|	|
8+20	7.3200	7.32	|	O |	|	|	|	13+30	2.3775	2.38	|O	|	|	|	|
8+25	7.1610	7.16	|	O |	|	|	|	13+35	2.3454	2.34	|O	|	|	|	|
8+30	7.0062	7.00	|	O |	|	|	|	13+40	2.3141	2.31	|O	|	|	|	|
8+35	6.8553	6.85	|	O |	|	|	|	13+45	2.2836	2.28	|O	|	|	|	|
8+40	6.7084	6.71	|	O |	|	|	|	13+50	2.2539	2.25	|O	|	|	|	|
8+45	6.5652	6.56	|	O |	|	|	|	13+55	2.2249	2.22	|O	|	|	|	|
8+50	6.4258	6.42	|	O |	|	|	|	14+ 0	2.1966	2.20	|O	|	|	|	|
8+55	6.2900	6.29	|	O |	|	|	|	14+ 5	2.1690	2.17	|O	|	|	|	|
9+ 0	6.1577	6.16	|	O |	|	|	|	14+10	2.1421	2.14	|O	|	|	|	|
9+ 5	6.0289	6.03	|	O |	|	|	|	14+15	2.1159	2.12	|O	|	|	|	|
9+10	5.9033	5.90	|	O |	|	|	|	14+20	2.0919	2.09	|O	|	|	|	|
9+15	5.7811	5.78	|	O |	|	|	|	14+25	2.0870	2.09	|O	|	|	|	|
9+20	5.6620	5.66	|	O |	|	|	|	14+30	2.0851	2.09	|O	|	|	|	|
9+25	5.5459	5.54	|	O |	|	|	|	14+35	2.0833	2.08	|O	|	|	|	|
9+30	5.4329	5.43	|	O |	|	|	|	14+40	2.0815	2.08	|O	|	|	|	|
9+35	5.3229	5.32	|	O |	|	|	|	14+45	2.0797	2.08	|O	|	|	|	|
9+40	5.2157	5.21	|	O |	|	|	|	14+50	2.0780	2.08	|O	|	|	|	|
9+45	5.1114	5.11	|	O |	|	|	|	14+55	2.0764	2.08	|O	|	|	|	|
9+50	5.0098	5.01	|	O |	|	|	|	15+ 0	2.0748	2.07	|O	|	|	|	|
9+55	4.9108	4.91	|	O |	|	|	|	15+ 5	2.0732	2.07	|O	|	|	|	|
10+ 0	4.8144	4.81	|	O |	|	|	|	15+10	2.0716	2.07	|O	|	|	|	|
10+ 5	4.7205	4.72	|	O |	|	|	|	15+15	2.0700	2.07	|O	|	|	|	|
10+10	4.6290	4.63	|	O |	|	|	|	15+20	2.0684	2.07	|O	|	|	|	|
10+15	4.5398	4.54	|	O |	|	|	|	15+25	2.0668	2.07	|O	|	|	|	|
10+20	4.4530	4.45	|	O |	|	|	|	15+30	2.0652	2.07	|O	|	|	|	|
10+25	4.3684	4.37	|	O |	|	|	|	15+35	2.0636	2.06	|O	|	|	|	|
10+30	4.2860	4.28	|	O |	|	|	|	15+40	2.0620	2.06	|O	|	|	|	|
10+35	4.2057	4.20	|	O |	|	|	|	15+45	2.0604	2.06	|O	|	|	|	|
10+40	4.1275	4.13	|	O |	|	|	|	15+50	2.0588	2.06	|O	|	|	|	|
10+45	4.0513	4.05	| O	|	|	|	|	15+55	2.0572	2.06	|O	|	|	|	|
10+50	3.9770	3.98	| O	|	|	|	|	16+ 0	2.0557	2.06	|O	|	|	|	|
10+55	3.9047	3.90	| O	|	|	|	|	16+ 5	2.0541	2.05	|O	|	|	|	|
11+ 0	3.8342	3.83	| O	|	|	|	|	16+10	2.0525	2.05	|O	|	|	|	|
11+ 5	3.7656	3.76	| O	|	|	|	|	16+15	2.0509	2.05	|O	|	|	|	|
11+10	3.6987	3.70	| O	|	|	|	|	16+20	2.0493	2.05	|O	|	|	|	|
11+15	3.6335	3.63	| O	|	|	|	|	16+25	2.0478	2.05	|O	|	|	|	|
11+20	3.5700	3.57	| O	|	|	|	|	16+30	2.0462	2.05	|O	|	|	|	|
11+25	3.5082	3.51	| O	|	|	|	|	16+35	2.0446	2.04	|O	|	|	|	|
11+30	3.4479	3.45	| O	|	|	|	|	16+40	2.0430	2.04	|O	|	|	|	|

16+45	2.0415	2.04	O					21+55	1.9116	1.91	O				
16+50	2.0399	2.04	O					22+ 0	1.9090	1.91	O				
16+55	2.0383	2.04	O					22+ 5	1.9064	1.91	O				
17+ 0	2.0368	2.04	O					22+10	1.9038	1.90	O				
17+ 5	2.0352	2.04	O					22+15	1.9012	1.90	O				
17+10	2.0335	2.03	O					22+20	1.8987	1.90	O				
17+15	2.0315	2.03	O					22+25	1.8961	1.90	O				
17+20	2.0294	2.03	O					22+30	1.8936	1.89	O				
17+25	2.0273	2.03	O					22+35	1.8910	1.89	O				
17+30	2.0253	2.03	O					22+40	1.8885	1.89	O				
17+35	2.0232	2.02	O					22+45	1.8859	1.89	O				
17+40	2.0211	2.02	O					22+50	1.8834	1.88	O				
17+45	2.0191	2.02	O					22+55	1.8809	1.88	O				
17+50	2.0170	2.02	O					23+ 0	1.8783	1.88	O				
17+55	2.0149	2.01	O					23+ 5	1.8758	1.88	O				
18+ 0	2.0129	2.01	O					23+10	1.8733	1.87	O				
18+ 5	2.0108	2.01	O					23+15	1.8708	1.87	O				
18+10	2.0088	2.01	O					23+20	1.8683	1.87	O				
18+15	2.0067	2.01	O					23+25	1.8658	1.87	O				
18+20	2.0047	2.00	O					23+30	1.8633	1.86	O				
18+25	2.0026	2.00	O					23+35	1.8608	1.86	O				
18+30	2.0006	2.00	O					23+40	1.8582	1.86	O				
18+35	1.9985	2.00	O					23+45	1.8555	1.86	O				
18+40	1.9965	2.00	O					23+50	1.8528	1.85	O				
18+45	1.9945	1.99	O					23+55	1.8500	1.85	O				
18+50	1.9925	1.99	O					24+ 0	1.8473	1.85	O				
18+55	1.9904	1.99	O					24+ 5	1.8446	1.84	O				
19+ 0	1.9884	1.99	O					24+10	1.8419	1.84	O				
19+ 5	1.9864	1.99	O					24+15	1.8392	1.84	O				
19+10	1.9844	1.98	O					24+20	1.8366	1.84	O				
19+15	1.9824	1.98	O					24+25	1.8339	1.83	O				
19+20	1.9804	1.98	O					24+30	1.8312	1.83	O				
19+25	1.9783	1.98	O					24+35	1.8285	1.83	O				
19+30	1.9761	1.98	O					24+40	1.8259	1.83	O				
19+35	1.9739	1.97	O					24+45	1.8232	1.82	O				
19+40	1.9717	1.97	O					24+50	1.8206	1.82	O				
19+45	1.9695	1.97	O					24+55	1.8179	1.82	O				
19+50	1.9674	1.97	O					25+ 0	1.8153	1.82	O				
19+55	1.9652	1.97	O					25+ 5	0.8839	0.87	O				
20+ 0	1.9630	1.96	O					25+10	0.8662	0.87	O				
20+ 5	1.9608	1.96	O					25+15	0.8660	0.87	O				
20+10	1.9587	1.96	O					25+20	0.8658	0.87	O				
20+15	1.9565	1.96	O					25+25	0.8656	0.87	O				
20+20	1.9544	1.95	O					25+30	0.8654	0.87	O				
20+25	1.9522	1.95	O					25+35	0.8652	0.87	O				
20+30	1.9501	1.95	O					25+40	0.8651	0.87	O				
20+35	1.9479	1.95	O					25+45	0.8649	0.86	O				
20+40	1.9458	1.95	O					25+50	0.8647	0.86	O				
20+45	1.9436	1.94	O					25+55	0.8645	0.86	O				
20+50	1.9415	1.94	O					26+ 0	0.8643	0.86	O				
20+55	1.9393	1.94	O					26+ 5	0.8642	0.86	O				
21+ 0	1.9372	1.94	O					26+10	0.8640	0.86	O				
21+ 5	1.9351	1.94	O					26+15	0.8638	0.86	O				
21+10	1.9330	1.93	O					26+20	0.8636	0.86	O				
21+15	1.9309	1.93	O					26+25	0.8634	0.86	O				
21+20	1.9287	1.93	O					26+30	0.8633	0.86	O				
21+25	1.9266	1.93	O					26+35	0.8631	0.86	O				
21+30	1.9245	1.92	O					26+40	0.8629	0.86	O				
21+35	1.9220	1.92	O					26+45	0.8627	0.86	O				
21+40	1.9194	1.92	O					26+50	0.8625	0.86	O				
21+45	1.9168	1.92	O					26+55	0.8624	0.86	O				
21+50	1.9142	1.91	O					27+ 0	0.8622	0.86	O				

27+ 5	0.8620	0.86	O					32+15	0.8509	0.85	O				
27+10	0.8618	0.86	O					32+20	0.8507	0.85	O				
27+15	0.8616	0.86	O					32+25	0.8505	0.85	O				
27+20	0.8615	0.86	O					32+30	0.8504	0.85	O				
27+25	0.8613	0.86	O					32+35	0.8502	0.85	O				
27+30	0.8611	0.86	O					32+40	0.8500	0.85	O				
27+35	0.8609	0.86	O					32+45	0.8498	0.85	O				
27+40	0.8607	0.86	O					32+50	0.8495	0.85	O				
27+45	0.8606	0.86	O					32+55	0.8493	0.85	O				
27+50	0.8604	0.86	O					33+ 0	0.8490	0.85	O				
27+55	0.8602	0.86	O					33+ 5	0.8488	0.85	O				
28+ 0	0.8600	0.86	O					33+10	0.8486	0.85	O				
28+ 5	0.8598	0.86	O					33+15	0.8483	0.85	O				
28+10	0.8597	0.86	O					33+20	0.8481	0.85	O				
28+15	0.8595	0.86	O					33+25	0.8478	0.85	O				
28+20	0.8593	0.86	O					33+30	0.8476	0.85	O				
28+25	0.8591	0.86	O					33+35	0.8474	0.85	O				
28+30	0.8589	0.86	O					33+40	0.8471	0.85	O				
28+35	0.8588	0.86	O					33+45	0.8469	0.85	O				
28+40	0.8586	0.86	O					33+50	0.8466	0.85	O				
28+45	0.8584	0.86	O					33+55	0.8464	0.85	O				
28+50	0.8582	0.86	O					34+ 0	0.8461	0.85	O				
28+55	0.8580	0.86	O					34+ 5	0.8459	0.85	O				
29+ 0	0.8579	0.86	O					34+10	0.8457	0.85	O				
29+ 5	0.8577	0.86	O					34+15	0.8454	0.85	O				
29+10	0.8575	0.86	O					34+20	0.8452	0.85	O				
29+15	0.8573	0.86	O					34+25	0.8449	0.84	O				
29+20	0.8571	0.86	O					34+30	0.8447	0.84	O				
29+25	0.8570	0.86	O					34+35	0.8445	0.84	O				
29+30	0.8568	0.86	O					34+40	0.8442	0.84	O				
29+35	0.8566	0.86	O					34+45	0.8440	0.84	O				
29+40	0.8564	0.86	O					34+50	0.8437	0.84	O				
29+45	0.8563	0.86	O					34+55	0.8435	0.84	O				
29+50	0.8561	0.86	O					35+ 0	0.8432	0.84	O				
29+55	0.8559	0.86	O					35+ 5	0.8430	0.84	O				
30+ 0	0.8557	0.86	O					35+10	0.8428	0.84	O				
30+ 5	0.8555	0.86	O					35+15	0.8425	0.84	O				
30+10	0.8554	0.86	O					35+20	0.8423	0.84	O				
30+15	0.8552	0.86	O					35+25	0.8420	0.84	O				
30+20	0.8550	0.85	O					35+30	0.8418	0.84	O				
30+25	0.8548	0.85	O					35+35	0.8416	0.84	O				
30+30	0.8546	0.85	O					35+40	0.8413	0.84	O				
30+35	0.8545	0.85	O					35+45	0.8411	0.84	O				
30+40	0.8543	0.85	O					35+50	0.8408	0.84	O				
30+45	0.8541	0.85	O					35+55	0.8406	0.84	O				
30+50	0.8539	0.85	O					36+ 0	0.8404	0.84	O				
30+55	0.8538	0.85	O					36+ 5	0.8401	0.84	O				
31+ 0	0.8536	0.85	O					36+10	0.8399	0.84	O				
31+ 5	0.8534	0.85	O					36+15	0.8396	0.84	O				
31+10	0.8532	0.85	O					36+20	0.8394	0.84	O				
31+15	0.8530	0.85	O					36+25	0.8392	0.84	O				
31+20	0.8529	0.85	O					36+30	0.8389	0.84	O				
31+25	0.8527	0.85	O					36+35	0.8387	0.84	O				
31+30	0.8525	0.85	O					36+40	0.8384	0.84	O				
31+35	0.8523	0.85	O					36+45	0.8382	0.84	O				
31+40	0.8521	0.85	O					36+50	0.8380	0.84	O				
31+45	0.8520	0.85	O					36+55	0.8377	0.84	O				
31+50	0.8518	0.85	O					37+ 0	0.8375	0.84	O				
31+55	0.8516	0.85	O					37+ 5	0.8373	0.84	O				
32+ 0	0.8514	0.85	O					37+10	0.8370	0.84	O				
32+ 5	0.8513	0.85	O					37+15	0.8368	0.84	O				
32+10	0.8511	0.85	O					37+20	0.8365	0.84	O				

37+25	0.8363	0.84	|O	|	|	|	|	42+35	0.8216	0.82	O	|	|	|	|
37+30	0.8361	0.84	|O	|	|	|	|	42+40	0.8214	0.82	O	|	|	|	|
37+35	0.8358	0.84	|O	|	|	|	|	42+45	0.8212	0.82	O	|	|	|	|
37+40	0.8356	0.84	|O	|	|	|	|	42+50	0.8209	0.82	O	|	|	|	|
37+45	0.8353	0.84	|O	|	|	|	|	42+55	0.8207	0.82	O	|	|	|	|
37+50	0.8351	0.84	|O	|	|	|	|	43+ 0	0.8204	0.82	O	|	|	|	|
37+55	0.8349	0.83	|O	|	|	|	|	43+ 5	0.8202	0.82	O	|	|	|	|
38+ 0	0.8346	0.83	|O	|	|	|	|	43+10	0.8200	0.82	O	|	|	|	|
38+ 5	0.8344	0.83	|O	|	|	|	|	43+15	0.8197	0.82	O	|	|	|	|
38+10	0.8341	0.83	|O	|	|	|	|	43+20	0.8195	0.82	O	|	|	|	|
38+15	0.8339	0.83	|O	|	|	|	|	43+25	0.8193	0.82	O	|	|	|	|
38+20	0.8337	0.83	|O	|	|	|	|	43+30	0.8190	0.82	O	|	|	|	|
38+25	0.8334	0.83	|O	|	|	|	|	43+35	0.8188	0.82	O	|	|	|	|
38+30	0.8332	0.83	|O	|	|	|	|	43+40	0.8186	0.82	O	|	|	|	|
38+35	0.8330	0.83	|O	|	|	|	|	43+45	0.8183	0.82	O	|	|	|	|
38+40	0.8327	0.83	|O	|	|	|	|	43+50	0.8181	0.82	O	|	|	|	|
38+45	0.8325	0.83	|O	|	|	|	|	43+55	0.8179	0.82	O	|	|	|	|
38+50	0.8322	0.83	|O	|	|	|	|	44+ 0	0.8176	0.82	O	|	|	|	|
38+55	0.8320	0.83	|O	|	|	|	|	44+ 5	0.8174	0.82	O	|	|	|	|
39+ 0	0.8318	0.83	|O	|	|	|	|	44+10	0.8172	0.82	O	|	|	|	|
39+ 5	0.8315	0.83	|O	|	|	|	|	44+15	0.8169	0.82	O	|	|	|	|
39+10	0.8313	0.83	|O	|	|	|	|	44+20	0.8167	0.82	O	|	|	|	|
39+15	0.8311	0.83	|O	|	|	|	|	44+25	0.8165	0.82	O	|	|	|	|
39+20	0.8308	0.83	|O	|	|	|	|	44+30	0.8162	0.82	O	|	|	|	|
39+25	0.8306	0.83	|O	|	|	|	|	44+35	0.8160	0.82	O	|	|	|	|
39+30	0.8303	0.83	|O	|	|	|	|	44+40	0.8158	0.82	O	|	|	|	|
39+35	0.8301	0.83	|O	|	|	|	|	44+45	0.8155	0.82	O	|	|	|	|
39+40	0.8299	0.83	|O	|	|	|	|	44+50	0.8153	0.82	O	|	|	|	|
39+45	0.8296	0.83	|O	|	|	|	|	44+55	0.8151	0.82	O	|	|	|	|
39+50	0.8294	0.83	|O	|	|	|	|	45+ 0	0.8148	0.81	O	|	|	|	|
39+55	0.8292	0.83	|O	|	|	|	|	45+ 5	0.8146	0.81	O	|	|	|	|
40+ 0	0.8289	0.83	|O	|	|	|	|	45+10	0.8144	0.81	O	|	|	|	|
40+ 5	0.8287	0.83	|O	|	|	|	|	45+15	0.8141	0.81	O	|	|	|	|
40+10	0.8285	0.83	|O	|	|	|	|	45+20	0.8139	0.81	O	|	|	|	|
40+15	0.8282	0.83	|O	|	|	|	|	45+25	0.8137	0.81	O	|	|	|	|
40+20	0.8280	0.83	|O	|	|	|	|	45+30	0.8134	0.81	O	|	|	|	|
40+25	0.8277	0.83	|O	|	|	|	|	45+35	0.8132	0.81	O	|	|	|	|
40+30	0.8275	0.83	|O	|	|	|	|	45+40	0.8130	0.81	O	|	|	|	|
40+35	0.8273	0.83	|O	|	|	|	|	45+45	0.8128	0.81	O	|	|	|	|
40+40	0.8270	0.83	|O	|	|	|	|	45+50	0.8125	0.81	O	|	|	|	|
40+45	0.8268	0.83	|O	|	|	|	|	45+55	0.8123	0.81	O	|	|	|	|
40+50	0.8266	0.83	|O	|	|	|	|	46+ 0	0.8121	0.81	O	|	|	|	|
40+55	0.8263	0.83	|O	|	|	|	|	46+ 5	0.8118	0.81	O	|	|	|	|
41+ 0	0.8261	0.83	|O	|	|	|	|	46+10	0.8116	0.81	O	|	|	|	|
41+ 5	0.8259	0.83	|O	|	|	|	|	46+15	0.8114	0.81	O	|	|	|	|
41+10	0.8256	0.83	|O	|	|	|	|	46+20	0.8111	0.81	O	|	|	|	|
41+15	0.8254	0.83	|O	|	|	|	|	46+25	0.8109	0.81	O	|	|	|	|
41+20	0.8251	0.83	|O	|	|	|	|	46+30	0.8107	0.81	O	|	|	|	|
41+25	0.8249	0.82	|O	|	|	|	|	46+35	0.8104	0.81	O	|	|	|	|
41+30	0.8247	0.82	|O	|	|	|	|	46+40	0.8102	0.81	O	|	|	|	|
41+35	0.8244	0.82	|O	|	|	|	|	46+45	0.8100	0.81	O	|	|	|	|
41+40	0.8242	0.82	O	|	|	|	|	46+50	0.8097	0.81	O	|	|	|	|
41+45	0.8240	0.82	O	|	|	|	|	46+55	0.8095	0.81	O	|	|	|	|
41+50	0.8237	0.82	O	|	|	|	|	47+ 0	0.8093	0.81	O	|	|	|	|
41+55	0.8235	0.82	O	|	|	|	|	47+ 5	0.8090	0.81	O	|	|	|	|
42+ 0	0.8233	0.82	O	|	|	|	|	47+10	0.8088	0.81	O	|	|	|	|
42+ 5	0.8230	0.82	O	|	|	|	|	47+15	0.8086	0.81	O	|	|	|	|
42+10	0.8228	0.82	O	|	|	|	|	47+20	0.8084	0.81	O	|	|	|	|
42+15	0.8226	0.82	O	|	|	|	|	47+25	0.8081	0.81	O	|	|	|	|
42+20	0.8223	0.82	O	|	|	|	|	47+30	0.8079	0.81	O	|	|	|	|
42+25	0.8221	0.82	O	|	|	|	|	47+35	0.8077	0.81	O	|	|	|	|
42+30	0.8219	0.82	O	|	|	|	|	47+40	0.8074	0.81	O	|	|	|	|

47+45	0.8072	0.81	O					52+55	0.7939	0.79	O				
47+50	0.8070	0.81	O					53+ 0	0.7937	0.79	O				
47+55	0.8067	0.81	O					53+ 5	0.7935	0.79	O				
48+ 0	0.8065	0.81	O					53+10	0.7933	0.79	O				
48+ 5	0.8063	0.81	O					53+15	0.7931	0.79	O				
48+10	0.8061	0.81	O					53+20	0.7929	0.79	O				
48+15	0.8058	0.81	O					53+25	0.7927	0.79	O				
48+20	0.8056	0.81	O					53+30	0.7925	0.79	O				
48+25	0.8054	0.81	O					53+35	0.7923	0.79	O				
48+30	0.8051	0.81	O					53+40	0.7921	0.79	O				
48+35	0.8049	0.80	O					53+45	0.7919	0.79	O				
48+40	0.8047	0.80	O					53+50	0.7917	0.79	O				
48+45	0.8044	0.80	O					53+55	0.7915	0.79	O				
48+50	0.8042	0.80	O					54+ 0	0.7913	0.79	O				
48+55	0.8040	0.80	O					54+ 5	0.7911	0.79	O				
49+ 0	0.8038	0.80	O					54+10	0.7909	0.79	O				
49+ 5	0.8035	0.80	O					54+15	0.7907	0.79	O				
49+10	0.8033	0.80	O					54+20	0.7905	0.79	O				
49+15	0.8031	0.80	O					54+25	0.7903	0.79	O				
49+20	0.8028	0.80	O					54+30	0.7901	0.79	O				
49+25	0.8026	0.80	O					54+35	0.7899	0.79	O				
49+30	0.8024	0.80	O					54+40	0.7897	0.79	O				
49+35	0.8021	0.80	O					54+45	0.7895	0.79	O				
49+40	0.8019	0.80	O					54+50	0.7893	0.79	O				
49+45	0.8017	0.80	O					54+55	0.7891	0.79	O				
49+50	0.8015	0.80	O					55+ 0	0.7889	0.79	O				
49+55	0.8012	0.80	O					55+ 5	0.7887	0.79	O				
50+ 0	0.8010	0.80	O					55+10	0.7885	0.79	O				
50+ 5	0.8008	0.80	O					55+15	0.7883	0.79	O				
50+10	0.8005	0.80	O					55+20	0.7881	0.79	O				
50+15	0.8003	0.80	O					55+25	0.7879	0.79	O				
50+20	0.8001	0.80	O					55+30	0.7877	0.79	O				
50+25	0.7999	0.80	O					55+35	0.7875	0.79	O				
50+30	0.7997	0.80	O					55+40	0.7873	0.79	O				
50+35	0.7995	0.80	O					55+45	0.7871	0.79	O				
50+40	0.7993	0.80	O					55+50	0.7870	0.79	O				
50+45	0.7991	0.80	O					55+55	0.7868	0.79	O				
50+50	0.7989	0.80	O					56+ 0	0.7866	0.79	O				
50+55	0.7987	0.80	O					56+ 5	0.7864	0.79	O				
51+ 0	0.7985	0.80	O					56+10	0.7862	0.79	O				
51+ 5	0.7983	0.80	O					56+15	0.7860	0.79	O				
51+10	0.7981	0.80	O					56+20	0.7858	0.79	O				
51+15	0.7979	0.80	O					56+25	0.7856	0.79	O				
51+20	0.7977	0.80	O					56+30	0.7854	0.79	O				
51+25	0.7975	0.80	O					56+35	0.7852	0.79	O				
51+30	0.7973	0.80	O					56+40	0.7850	0.78	O				
51+35	0.7971	0.80	O					56+45	0.7848	0.78	O				
51+40	0.7969	0.80	O					56+50	0.7846	0.78	O				
51+45	0.7967	0.80	O					56+55	0.7844	0.78	O				
51+50	0.7965	0.80	O					57+ 0	0.7842	0.78	O				
51+55	0.7963	0.80	O					57+ 5	0.7840	0.78	O				
52+ 0	0.7961	0.80	O					57+10	0.7838	0.78	O				
52+ 5	0.7959	0.80	O					57+15	0.7836	0.78	O				
52+10	0.7957	0.80	O					57+20	0.7834	0.78	O				
52+15	0.7955	0.80	O					57+25	0.7832	0.78	O				
52+20	0.7953	0.80	O					57+30	0.7830	0.78	O				
52+25	0.7951	0.80	O					57+35	0.7828	0.78	O				
52+30	0.7949	0.79	O					57+40	0.7826	0.78	O				
52+35	0.7947	0.79	O					57+45	0.7824	0.78	O				
52+40	0.7945	0.79	O					57+50	0.7822	0.78	O				
52+45	0.7943	0.79	O					57+55	0.7820	0.78	O				
52+50	0.7941	0.79	O					58+ 0	0.7818	0.78	O				

58+ 5	0.7816	0.78	O					63+15	0.7696	0.77	O				
58+10	0.7814	0.78	O					63+20	0.7694	0.77	O				
58+15	0.7813	0.78	O					63+25	0.7692	0.77	O				
58+20	0.7811	0.78	O					63+30	0.7690	0.77	O				
58+25	0.7809	0.78	O					63+35	0.7688	0.77	O				
58+30	0.7807	0.78	O					63+40	0.7686	0.77	O				
58+35	0.7805	0.78	O					63+45	0.7684	0.77	O				
58+40	0.7803	0.78	O					63+50	0.7682	0.77	O				
58+45	0.7801	0.78	O					63+55	0.7680	0.77	O				
58+50	0.7799	0.78	O					64+ 0	0.7679	0.77	O				
58+55	0.7797	0.78	O					64+ 5	0.7677	0.77	O				
59+ 0	0.7795	0.78	O					64+10	0.7675	0.77	O				
59+ 5	0.7793	0.78	O					64+15	0.7673	0.77	O				
59+10	0.7791	0.78	O					64+20	0.7671	0.77	O				
59+15	0.7789	0.78	O					64+25	0.7669	0.77	O				
59+20	0.7787	0.78	O					64+30	0.7667	0.77	O				
59+25	0.7785	0.78	O					64+35	0.7665	0.77	O				
59+30	0.7783	0.78	O					64+40	0.7663	0.77	O				
59+35	0.7781	0.78	O					64+45	0.7661	0.77	O				
59+40	0.7779	0.78	O					64+50	0.7659	0.77	O				
59+45	0.7777	0.78	O					64+55	0.7657	0.77	O				
59+50	0.7775	0.78	O					65+ 0	0.7655	0.77	O				
59+55	0.7773	0.78	O					65+ 5	0.7654	0.77	O				
60+ 0	0.7771	0.78	O					65+10	0.7652	0.77	O				
60+ 5	0.7770	0.78	O					65+15	0.7650	0.76	O				
60+10	0.7768	0.78	O					65+20	0.7648	0.76	O				
60+15	0.7766	0.78	O					65+25	0.7646	0.76	O				
60+20	0.7764	0.78	O					65+30	0.7644	0.76	O				
60+25	0.7762	0.78	O					65+35	0.7642	0.76	O				
60+30	0.7760	0.78	O					65+40	0.7640	0.76	O				
60+35	0.7758	0.78	O					65+45	0.7638	0.76	O				
60+40	0.7756	0.78	O					65+50	0.7636	0.76	O				
60+45	0.7754	0.78	O					65+55	0.7634	0.76	O				
60+50	0.7752	0.78	O					66+ 0	0.7632	0.76	O				
60+55	0.7750	0.78	O					66+ 5	0.7631	0.76	O				
61+ 0	0.7748	0.77	O					66+10	0.7629	0.76	O				
61+ 5	0.7746	0.77	O					66+15	0.7627	0.76	O				
61+10	0.7744	0.77	O					66+20	0.7625	0.76	O				
61+15	0.7742	0.77	O					66+25	0.7623	0.76	O				
61+20	0.7740	0.77	O					66+30	0.7621	0.76	O				
61+25	0.7738	0.77	O					66+35	0.7619	0.76	O				
61+30	0.7737	0.77	O					66+40	0.7617	0.76	O				
61+35	0.7735	0.77	O					66+45	0.7615	0.76	O				
61+40	0.7733	0.77	O					66+50	0.7613	0.76	O				
61+45	0.7731	0.77	O					66+55	0.7611	0.76	O				
61+50	0.7729	0.77	O					67+ 0	0.7610	0.76	O				
61+55	0.7727	0.77	O					67+ 5	0.7608	0.76	O				
62+ 0	0.7725	0.77	O					67+10	0.7606	0.76	O				
62+ 5	0.7723	0.77	O					67+15	0.7604	0.76	O				
62+10	0.7721	0.77	O					67+20	0.7602	0.76	O				
62+15	0.7719	0.77	O					67+25	0.7600	0.76	O				
62+20	0.7717	0.77	O					67+30	0.7597	0.76	O				
62+25	0.7715	0.77	O					67+35	0.7595	0.76	O				
62+30	0.7713	0.77	O					67+40	0.7592	0.76	O				
62+35	0.7711	0.77	O					67+45	0.7590	0.76	O				
62+40	0.7709	0.77	O					67+50	0.7587	0.76	O				
62+45	0.7707	0.77	O					67+55	0.7584	0.76	O				
62+50	0.7706	0.77	O					68+ 0	0.7582	0.76	O				
62+55	0.7704	0.77	O					68+ 5	0.7579	0.76	O				
63+ 0	0.7702	0.77	O					68+10	0.7576	0.76	O				
63+ 5	0.7700	0.77	O					68+15	0.7574	0.76	O				
63+10	0.7698	0.77	O					68+20	0.7571	0.76	O				

68+25	0.7569	0.76	O					73+35	0.7408	0.74	O				
68+30	0.7566	0.76	O					73+40	0.7405	0.74	O				
68+35	0.7563	0.76	O					73+45	0.7403	0.74	O				
68+40	0.7561	0.76	O					73+50	0.7400	0.74	O				
68+45	0.7558	0.76	O					73+55	0.7398	0.74	O				
68+50	0.7555	0.76	O					74+ 0	0.7395	0.74	O				
68+55	0.7553	0.76	O					74+ 5	0.7393	0.74	O				
69+ 0	0.7550	0.76	O					74+10	0.7390	0.74	O				
69+ 5	0.7548	0.75	O					74+15	0.7387	0.74	O				
69+10	0.7545	0.75	O					74+20	0.7385	0.74	O				
69+15	0.7542	0.75	O					74+25	0.7382	0.74	O				
69+20	0.7540	0.75	O					74+30	0.7380	0.74	O				
69+25	0.7537	0.75	O					74+35	0.7377	0.74	O				
69+30	0.7535	0.75	O					74+40	0.7375	0.74	O				
69+35	0.7532	0.75	O					74+45	0.7372	0.74	O				
69+40	0.7529	0.75	O					74+50	0.7370	0.74	O				
69+45	0.7527	0.75	O					74+55	0.7367	0.74	O				
69+50	0.7524	0.75	O					75+ 0	0.7364	0.74	O				
69+55	0.7522	0.75	O					75+ 5	0.7362	0.74	O				
70+ 0	0.7519	0.75	O					75+10	0.7359	0.74	O				
70+ 5	0.7516	0.75	O					75+15	0.7357	0.74	O				
70+10	0.7514	0.75	O					75+20	0.7354	0.74	O				
70+15	0.7511	0.75	O					75+25	0.7352	0.74	O				
70+20	0.7509	0.75	O					75+30	0.7349	0.73	O				
70+25	0.7506	0.75	O					75+35	0.7347	0.73	O				
70+30	0.7503	0.75	O					75+40	0.7344	0.73	O				
70+35	0.7501	0.75	O					75+45	0.7342	0.73	O				
70+40	0.7498	0.75	O					75+50	0.7339	0.73	O				
70+45	0.7496	0.75	O					75+55	0.7336	0.73	O				
70+50	0.7493	0.75	O					76+ 0	0.7334	0.73	O				
70+55	0.7490	0.75	O					76+ 5	0.7331	0.73	O				
71+ 0	0.7488	0.75	O					76+10	0.7329	0.73	O				
71+ 5	0.7485	0.75	O					76+15	0.7326	0.73	O				
71+10	0.7483	0.75	O					76+20	0.7324	0.73	O				
71+15	0.7480	0.75	O					76+25	0.7321	0.73	O				
71+20	0.7477	0.75	O					76+30	0.7319	0.73	O				
71+25	0.7475	0.75	O					76+35	0.7316	0.73	O				
71+30	0.7472	0.75	O					76+40	0.7314	0.73	O				
71+35	0.7470	0.75	O					76+45	0.7311	0.73	O				
71+40	0.7467	0.75	O					76+50	0.7309	0.73	O				
71+45	0.7464	0.75	O					76+55	0.7306	0.73	O				
71+50	0.7462	0.75	O					77+ 0	0.7304	0.73	O				
71+55	0.7459	0.75	O					77+ 5	0.7301	0.73	O				
72+ 0	0.7457	0.75	O					77+10	0.7298	0.73	O				
72+ 5	0.7454	0.75	O					77+15	0.7296	0.73	O				
72+10	0.7452	0.75	O					77+20	0.7293	0.73	O				
72+15	0.7449	0.74	O					77+25	0.7291	0.73	O				
72+20	0.7446	0.74	O					77+30	0.7288	0.73	O				
72+25	0.7444	0.74	O					77+35	0.7286	0.73	O				
72+30	0.7441	0.74	O					77+40	0.7283	0.73	O				
72+35	0.7439	0.74	O					77+45	0.7281	0.73	O				
72+40	0.7436	0.74	O					77+50	0.7278	0.73	O				
72+45	0.7434	0.74	O					77+55	0.7276	0.73	O				
72+50	0.7431	0.74	O					78+ 0	0.7273	0.73	O				
72+55	0.7428	0.74	O					78+ 5	0.7271	0.73	O				
73+ 0	0.7426	0.74	O					78+10	0.7268	0.73	O				
73+ 5	0.7423	0.74	O					78+15	0.7266	0.73	O				
73+10	0.7421	0.74	O					78+20	0.7263	0.73	O				
73+15	0.7418	0.74	O					78+25	0.7261	0.73	O				
73+20	0.7416	0.74	O					78+30	0.7258	0.73	O				
73+25	0.7413	0.74	O					78+35	0.7256	0.73	O				
73+30	0.7410	0.74	O					78+40	0.7253	0.73	O				

78+45	0.7251	0.73	O				
78+50	0.7248	0.72	O				
78+55	0.7246	0.72	O				
79+ 0	0.7243	0.72	O				
79+ 5	0.7241	0.72	O				
79+10	0.7238	0.72	O				
79+15	0.7236	0.72	O				
79+20	0.7233	0.72	O				
79+25	0.7231	0.72	O				
79+30	0.7228	0.72	O				
79+35	0.7226	0.72	O				
79+40	0.7223	0.72	O				
79+45	0.7221	0.72	O				
79+50	0.7218	0.72	O				
79+55	0.7216	0.72	O				
80+ 0	0.7213	0.72	O				
80+ 5	0.7211	0.72	O				
80+10	0.7208	0.72	O				
80+15	0.7206	0.72	O				
80+20	0.7203	0.72	O				
80+25	0.7201	0.72	O				
80+30	0.7198	0.72	O				
80+35	0.7196	0.72	O				
80+40	0.7193	0.72	O				
80+45	0.7191	0.72	O				
80+50	0.7188	0.72	O				
80+55	0.7186	0.72	O				
81+ 0	0.7183	0.72	O				
81+ 5	0.7181	0.72	O				
81+10	0.7178	0.72	O				
81+15	0.7176	0.72	O				
81+20	0.7173	0.72	O				
81+25	0.7171	0.72	O				
81+30	0.7168	0.72	O				
81+35	0.7166	0.72	O				
81+40	0.7163	0.72	O				
81+45	0.7161	0.72	O				
81+50	0.7158	0.72	O				
81+55	0.7156	0.72	O				
82+ 0	0.7153	0.72	O				
82+ 5	0.7151	0.72	O				
82+10	0.7148	0.71	O				
82+15	0.7146	0.71	O				
82+20	0.7144	0.71	O				
82+25	0.7141	0.71	O				
82+30	0.7139	0.71	O				
82+35	0.7136	0.71	O				
82+40	0.7134	0.71	O				
82+45	0.7131	0.71	O				
82+50	0.7129	0.71	O				
82+55	0.7126	0.71	O				
83+ 0	0.7124	0.71	O				
83+ 5	0.7121	0.71	O				
83+10	0.7119	0.71	O				
83+15	0.7116	0.71	O				
83+20	0.7114	0.71	O				
83+25	0.7111	0.71	O				
83+30	0.7109	0.71	O				
83+35	0.7107	0.71	O				
83+40	0.7104	0.71	O				
83+45	0.7102	0.71	O				
83+50	0.7099	0.71	O				
83+55	0.7096	0.71	O				
84+ 0	0.7094	0.71	O				
84+ 5	0.7091	0.71	O				
84+10	0.7088	0.71	O				
84+15	0.7085	0.71	O				
84+20	0.7083	0.71	O				
84+25	0.7080	0.71	O				
84+30	0.7077	0.71	O				
84+35	0.7075	0.71	O				
84+40	0.7072	0.71	O				
84+45	0.7069	0.71	O				
84+50	0.7066	0.71	O				
84+55	0.7064	0.71	O				
85+ 0	0.7061	0.71	O				
85+ 5	0.7058	0.71	O				
85+10	0.7056	0.71	O				
85+15	0.7053	0.71	O				
85+20	0.7050	0.71	O				
85+25	0.7047	0.70	O				
85+30	0.7045	0.70	O				
85+35	0.7042	0.70	O				
85+40	0.7039	0.70	O				
85+45	0.7037	0.70	O				
85+50	0.7034	0.70	O				
85+55	0.7031	0.70	O				
86+ 0	0.7028	0.70	O				
86+ 5	0.7026	0.70	O				
86+10	0.7023	0.70	O				
86+15	0.7020	0.70	O				
86+20	0.7018	0.70	O				
86+25	0.7015	0.70	O				
86+30	0.7012	0.70	O				
86+35	0.7010	0.70	O				
86+40	0.7007	0.70	O				
86+45	0.7004	0.70	O				
86+50	0.7002	0.70	O				
86+55	0.6999	0.70	O				
87+ 0	0.6996	0.70	O				
87+ 5	0.6993	0.70	O				
87+10	0.6991	0.70	O				
87+15	0.6988	0.70	O				
87+20	0.6985	0.70	O				
87+25	0.6983	0.70	O				
87+30	0.6980	0.70	O				
87+35	0.6977	0.70	O				
87+40	0.6975	0.70	O				
87+45	0.6972	0.70	O				
87+50	0.6969	0.70	O				
87+55	0.6967	0.70	O				
88+ 0	0.6964	0.70	O				
88+ 5	0.6961	0.70	O				
88+10	0.6959	0.70	O				
88+15	0.6956	0.70	O				
88+20	0.6953	0.70	O				
88+25	0.6951	0.70	O				
88+30	0.6948	0.69	O				
88+35	0.6945	0.69	O				
88+40	0.6943	0.69	O				
88+45	0.6940	0.69	O				
88+50	0.6937	0.69	O				
88+55	0.6935	0.69	O				
89+ 0	0.6932	0.69	O				

89+ 5	0.6929	0.69	O	|	|	|	|	94+15	0.6766	0.68	O	|	|	|	|
89+10	0.6927	0.69	O	|	|	|	|	94+20	0.6763	0.68	O	|	|	|	|
89+15	0.6924	0.69	O	|	|	|	|	94+25	0.6761	0.68	O	|	|	|	|
89+20	0.6921	0.69	O	|	|	|	|	94+30	0.6758	0.68	O	|	|	|	|
89+25	0.6919	0.69	O	|	|	|	|	94+35	0.6756	0.68	O	|	|	|	|
89+30	0.6916	0.69	O	|	|	|	|	94+40	0.6753	0.68	O	|	|	|	|
89+35	0.6913	0.69	O	|	|	|	|	94+45	0.6751	0.68	O	|	|	|	|
89+40	0.6911	0.69	O	|	|	|	|	94+50	0.6748	0.67	O	|	|	|	|
89+45	0.6908	0.69	O	|	|	|	|	94+55	0.6745	0.67	O	|	|	|	|
89+50	0.6905	0.69	O	|	|	|	|	95+ 0	0.6743	0.67	O	|	|	|	|
89+55	0.6903	0.69	O	|	|	|	|	95+ 5	0.6740	0.67	O	|	|	|	|
90+ 0	0.6900	0.69	O	|	|	|	|	95+10	0.6738	0.67	O	|	|	|	|
90+ 5	0.6897	0.69	O	|	|	|	|	95+15	0.6735	0.67	O	|	|	|	|
90+10	0.6895	0.69	O	|	|	|	|	95+20	0.6732	0.67	O	|	|	|	|
90+15	0.6892	0.69	O	|	|	|	|	95+25	0.6730	0.67	O	|	|	|	|
90+20	0.6889	0.69	O	|	|	|	|	95+30	0.6727	0.67	O	|	|	|	|
90+25	0.6887	0.69	O	|	|	|	|	95+35	0.6725	0.67	O	|	|	|	|
90+30	0.6884	0.69	O	|	|	|	|	95+40	0.6722	0.67	O	|	|	|	|
90+35	0.6881	0.69	O	|	|	|	|	95+45	0.6719	0.67	O	|	|	|	|
90+40	0.6879	0.69	O	|	|	|	|	95+50	0.6717	0.67	O	|	|	|	|
90+45	0.6876	0.69	O	|	|	|	|	95+55	0.6714	0.67	O	|	|	|	|
90+50	0.6874	0.69	O	|	|	|	|	96+ 0	0.6712	0.67	O	|	|	|	|
90+55	0.6871	0.69	O	|	|	|	|	96+ 5	0.6709	0.67	O	|	|	|	|
91+ 0	0.6868	0.69	O	|	|	|	|	96+10	0.6707	0.67	O	|	|	|	|
91+ 5	0.6866	0.69	O	|	|	|	|	96+15	0.6704	0.67	O	|	|	|	|
91+10	0.6863	0.69	O	|	|	|	|	96+20	0.6701	0.67	O	|	|	|	|
91+15	0.6860	0.69	O	|	|	|	|	96+25	0.6699	0.67	O	|	|	|	|
91+20	0.6858	0.69	O	|	|	|	|	96+30	0.6696	0.67	O	|	|	|	|
91+25	0.6855	0.69	O	|	|	|	|	96+35	0.6694	0.67	O	|	|	|	|
91+30	0.6852	0.69	O	|	|	|	|	96+40	0.6691	0.67	O	|	|	|	|
91+35	0.6850	0.68	O	|	|	|	|	96+45	0.6689	0.67	O	|	|	|	|
91+40	0.6847	0.68	O	|	|	|	|	96+50	0.6686	0.67	O	|	|	|	|
91+45	0.6845	0.68	O	|	|	|	|	96+55	0.6683	0.67	O	|	|	|	|
91+50	0.6842	0.68	O	|	|	|	|	97+ 0	0.6681	0.67	O	|	|	|	|
91+55	0.6839	0.68	O	|	|	|	|	97+ 5	0.6678	0.67	O	|	|	|	|
92+ 0	0.6837	0.68	O	|	|	|	|	97+10	0.6676	0.67	O	|	|	|	|
92+ 5	0.6834	0.68	O	|	|	|	|	97+15	0.6673	0.67	O	|	|	|	|
92+10	0.6831	0.68	O	|	|	|	|	97+20	0.6671	0.67	O	|	|	|	|
92+15	0.6829	0.68	O	|	|	|	|	97+25	0.6668	0.67	O	|	|	|	|
92+20	0.6826	0.68	O	|	|	|	|	97+30	0.6665	0.67	O	|	|	|	|
92+25	0.6824	0.68	O	|	|	|	|	97+35	0.6663	0.67	O	|	|	|	|
92+30	0.6821	0.68	O	|	|	|	|	97+40	0.6660	0.67	O	|	|	|	|
92+35	0.6818	0.68	O	|	|	|	|	97+45	0.6658	0.67	O	|	|	|	|
92+40	0.6816	0.68	O	|	|	|	|	97+50	0.6655	0.67	O	|	|	|	|
92+45	0.6813	0.68	O	|	|	|	|	97+55	0.6653	0.67	O	|	|	|	|
92+50	0.6810	0.68	O	|	|	|	|	98+ 0	0.6650	0.67	O	|	|	|	|
92+55	0.6808	0.68	O	|	|	|	|	98+ 5	0.6648	0.66	O	|	|	|	|
93+ 0	0.6805	0.68	O	|	|	|	|	98+10	0.6645	0.66	O	|	|	|	|
93+ 5	0.6803	0.68	O	|	|	|	|	98+15	0.6642	0.66	O	|	|	|	|
93+10	0.6800	0.68	O	|	|	|	|	98+20	0.6640	0.66	O	|	|	|	|
93+15	0.6797	0.68	O	|	|	|	|	98+25	0.6637	0.66	O	|	|	|	|
93+20	0.6795	0.68	O	|	|	|	|	98+30	0.6635	0.66	O	|	|	|	|
93+25	0.6792	0.68	O	|	|	|	|	98+35	0.6632	0.66	O	|	|	|	|
93+30	0.6790	0.68	O	|	|	|	|	98+40	0.6630	0.66	O	|	|	|	|
93+35	0.6787	0.68	O	|	|	|	|	98+45	0.6627	0.66	O	|	|	|	|
93+40	0.6784	0.68	O	|	|	|	|	98+50	0.6625	0.66	O	|	|	|	|
93+45	0.6782	0.68	O	|	|	|	|	98+55	0.6622	0.66	O	|	|	|	|
93+50	0.6779	0.68	O	|	|	|	|	99+ 0	0.6619	0.66	O	|	|	|	|
93+55	0.6776	0.68	O	|	|	|	|	99+ 5	0.6617	0.66	O	|	|	|	|
94+ 0	0.6774	0.68	O	|	|	|	|	99+10	0.6614	0.66	O	|	|	|	|
94+ 5	0.6771	0.68	O	|	|	|	|	99+15	0.6612	0.66	O	|	|	|	|
94+10	0.6769	0.68	O	|	|	|	|	99+20	0.6609	0.66	O	|	|	|	|

99+25	0.6607	0.66	O	|	|	|	|	104+35	0.6401	0.64	O	|	|	|	|
99+30	0.6604	0.66	O	|	|	|	|	104+40	0.6397	0.64	O	|	|	|	|
99+35	0.6602	0.66	O	|	|	|	|	104+45	0.6394	0.64	O	|	|	|	|
99+40	0.6599	0.66	O	|	|	|	|	104+50	0.6391	0.64	O	|	|	|	|
99+45	0.6595	0.66	O	|	|	|	|	104+55	0.6388	0.64	O	|	|	|	|
99+50	0.6592	0.66	O	|	|	|	|	105+ 0	0.6384	0.64	O	|	|	|	|
99+55	0.6589	0.66	O	|	|	|	|	105+ 5	0.6381	0.64	O	|	|	|	|
100+ 0	0.6585	0.66	O	|	|	|	|	105+10	0.6378	0.64	O	|	|	|	|
100+ 5	0.6582	0.66	O	|	|	|	|	105+15	0.6374	0.64	O	|	|	|	|
100+10	0.6578	0.66	O	|	|	|	|	105+20	0.6371	0.64	O	|	|	|	|
100+15	0.6575	0.66	O	|	|	|	|	105+25	0.6368	0.64	O	|	|	|	|
100+20	0.6572	0.66	O	|	|	|	|	105+30	0.6365	0.64	O	|	|	|	|
100+25	0.6568	0.66	O	|	|	|	|	105+35	0.6361	0.64	O	|	|	|	|
100+30	0.6565	0.66	O	|	|	|	|	105+40	0.6358	0.64	O	|	|	|	|
100+35	0.6561	0.66	O	|	|	|	|	105+45	0.6355	0.64	O	|	|	|	|
100+40	0.6558	0.66	O	|	|	|	|	105+50	0.6351	0.64	O	|	|	|	|
100+45	0.6555	0.66	O	|	|	|	|	105+55	0.6348	0.63	O	|	|	|	|
100+50	0.6551	0.66	O	|	|	|	|	106+ 0	0.6345	0.63	O	|	|	|	|
100+55	0.6548	0.65	O	|	|	|	|	106+ 5	0.6342	0.63	O	|	|	|	|
101+ 0	0.6545	0.65	O	|	|	|	|	106+10	0.6338	0.63	O	|	|	|	|
101+ 5	0.6541	0.65	O	|	|	|	|	106+15	0.6335	0.63	O	|	|	|	|
101+10	0.6538	0.65	O	|	|	|	|	106+20	0.6332	0.63	O	|	|	|	|
101+15	0.6534	0.65	O	|	|	|	|	106+25	0.6328	0.63	O	|	|	|	|
101+20	0.6531	0.65	O	|	|	|	|	106+30	0.6325	0.63	O	|	|	|	|
101+25	0.6528	0.65	O	|	|	|	|	106+35	0.6322	0.63	O	|	|	|	|
101+30	0.6524	0.65	O	|	|	|	|	106+40	0.6319	0.63	O	|	|	|	|
101+35	0.6521	0.65	O	|	|	|	|	106+45	0.6315	0.63	O	|	|	|	|
101+40	0.6518	0.65	O	|	|	|	|	106+50	0.6312	0.63	O	|	|	|	|
101+45	0.6514	0.65	O	|	|	|	|	106+55	0.6309	0.63	O	|	|	|	|
101+50	0.6511	0.65	O	|	|	|	|	107+ 0	0.6306	0.63	O	|	|	|	|
101+55	0.6507	0.65	O	|	|	|	|	107+ 5	0.6302	0.63	O	|	|	|	|
102+ 0	0.6504	0.65	O	|	|	|	|	107+10	0.6299	0.63	O	|	|	|	|
102+ 5	0.6501	0.65	O	|	|	|	|	107+15	0.6296	0.63	O	|	|	|	|
102+10	0.6497	0.65	O	|	|	|	|	107+20	0.6293	0.63	O	|	|	|	|
102+15	0.6494	0.65	O	|	|	|	|	107+25	0.6289	0.63	O	|	|	|	|
102+20	0.6491	0.65	O	|	|	|	|	107+30	0.6286	0.63	O	|	|	|	|
102+25	0.6487	0.65	O	|	|	|	|	107+35	0.6283	0.63	O	|	|	|	|
102+30	0.6484	0.65	O	|	|	|	|	107+40	0.6280	0.63	O	|	|	|	|
102+35	0.6481	0.65	O	|	|	|	|	107+45	0.6276	0.63	O	|	|	|	|
102+40	0.6477	0.65	O	|	|	|	|	107+50	0.6273	0.63	O	|	|	|	|
102+45	0.6474	0.65	O	|	|	|	|	107+55	0.6270	0.63	O	|	|	|	|
102+50	0.6471	0.65	O	|	|	|	|	108+ 0	0.6267	0.63	O	|	|	|	|
102+55	0.6467	0.65	O	|	|	|	|	108+ 5	0.6263	0.63	O	|	|	|	|
103+ 0	0.6464	0.65	O	|	|	|	|	108+10	0.6260	0.63	O	|	|	|	|
103+ 5	0.6461	0.65	O	|	|	|	|	108+15	0.6257	0.63	O	|	|	|	|
103+10	0.6457	0.65	O	|	|	|	|	108+20	0.6254	0.63	O	|	|	|	|
103+15	0.6454	0.65	O	|	|	|	|	108+25	0.6251	0.63	O	|	|	|	|
103+20	0.6451	0.65	O	|	|	|	|	108+30	0.6247	0.62	O	|	|	|	|
103+25	0.6447	0.64	O	|	|	|	|	108+35	0.6244	0.62	O	|	|	|	|
103+30	0.6444	0.64	O	|	|	|	|	108+40	0.6241	0.62	O	|	|	|	|
103+35	0.6441	0.64	O	|	|	|	|	108+45	0.6238	0.62	O	|	|	|	|
103+40	0.6437	0.64	O	|	|	|	|	108+50	0.6234	0.62	O	|	|	|	|
103+45	0.6434	0.64	O	|	|	|	|	108+55	0.6231	0.62	O	|	|	|	|
103+50	0.6431	0.64	O	|	|	|	|	109+ 0	0.6228	0.62	O	|	|	|	|
103+55	0.6427	0.64	O	|	|	|	|	109+ 5	0.6225	0.62	O	|	|	|	|
104+ 0	0.6424	0.64	O	|	|	|	|	109+10	0.6222	0.62	O	|	|	|	|
104+ 5	0.6421	0.64	O	|	|	|	|	109+15	0.6218	0.62	O	|	|	|	|
104+10	0.6417	0.64	O	|	|	|	|	109+20	0.6215	0.62	O	|	|	|	|
104+15	0.6414	0.64	O	|	|	|	|	109+25	0.6212	0.62	O	|	|	|	|
104+20	0.6411	0.64	O	|	|	|	|	109+30	0.6209	0.62	O	|	|	|	|
104+25	0.6407	0.64	O	|	|	|	|	109+35	0.6205	0.62	O	|	|	|	|
104+30	0.6404	0.64	O	|	|	|	|	109+40	0.6202	0.62	O	|	|	|	|

109+45	0.6199	0.62	O					114+55	0.6004	0.60	O				
109+50	0.6196	0.62	O					115+ 0	0.6001	0.60	O				
109+55	0.6193	0.62	O					115+ 5	0.5997	0.60	O				
110+ 0	0.6189	0.62	O					115+10	0.5993	0.60	O				
110+ 5	0.6186	0.62	O					115+15	0.5989	0.60	O				
110+10	0.6183	0.62	O					115+20	0.5985	0.60	O				
110+15	0.6180	0.62	O					115+25	0.5980	0.60	O				
110+20	0.6177	0.62	O					115+30	0.5976	0.60	O				
110+25	0.6173	0.62	O					115+35	0.5972	0.60	O				
110+30	0.6170	0.62	O					115+40	0.5968	0.60	O				
110+35	0.6167	0.62	O					115+45	0.5964	0.60	O				
110+40	0.6164	0.62	O					115+50	0.5960	0.60	O				
110+45	0.6161	0.62	O					115+55	0.5956	0.60	O				
110+50	0.6158	0.62	O					116+ 0	0.5952	0.60	O				
110+55	0.6154	0.62	O					116+ 5	0.5948	0.59	O				
111+ 0	0.6151	0.62	O					116+10	0.5944	0.59	O				
111+ 5	0.6148	0.61	O					116+15	0.5940	0.59	O				
111+10	0.6145	0.61	O					116+20	0.5936	0.59	O				
111+15	0.6142	0.61	O					116+25	0.5932	0.59	O				
111+20	0.6139	0.61	O					116+30	0.5928	0.59	O				
111+25	0.6135	0.61	O					116+35	0.5924	0.59	O				
111+30	0.6132	0.61	O					116+40	0.5920	0.59	O				
111+35	0.6129	0.61	O					116+45	0.5916	0.59	O				
111+40	0.6126	0.61	O					116+50	0.5912	0.59	O				
111+45	0.6123	0.61	O					116+55	0.5908	0.59	O				
111+50	0.6120	0.61	O					117+ 0	0.5904	0.59	O				
111+55	0.6116	0.61	O					117+ 5	0.5900	0.59	O				
112+ 0	0.6113	0.61	O					117+10	0.5896	0.59	O				
112+ 5	0.6110	0.61	O					117+15	0.5892	0.59	O				
112+10	0.6107	0.61	O					117+20	0.5888	0.59	O				
112+15	0.6104	0.61	O					117+25	0.5884	0.59	O				
112+20	0.6101	0.61	O					117+30	0.5880	0.59	O				
112+25	0.6097	0.61	O					117+35	0.5876	0.59	O				
112+30	0.6094	0.61	O					117+40	0.5872	0.59	O				
112+35	0.6091	0.61	O					117+45	0.5868	0.59	O				
112+40	0.6088	0.61	O					117+50	0.5864	0.59	O				
112+45	0.6085	0.61	O					117+55	0.5860	0.59	O				
112+50	0.6082	0.61	O					118+ 0	0.5856	0.59	O				
112+55	0.6079	0.61	O					118+ 5	0.5852	0.59	O				
113+ 0	0.6075	0.61	O					118+10	0.5848	0.58	O				
113+ 5	0.6072	0.61	O					118+15	0.5844	0.58	O				
113+10	0.6069	0.61	O					118+20	0.5840	0.58	O				
113+15	0.6066	0.61	O					118+25	0.5836	0.58	O				
113+20	0.6063	0.61	O					118+30	0.5833	0.58	O				
113+25	0.6060	0.61	O					118+35	0.5829	0.58	O				
113+30	0.6057	0.61	O					118+40	0.5825	0.58	O				
113+35	0.6054	0.61	O					118+45	0.5821	0.58	O				
113+40	0.6050	0.61	O					118+50	0.5817	0.58	O				
113+45	0.6047	0.60	O					118+55	0.5813	0.58	O				
113+50	0.6044	0.60	O					119+ 0	0.5809	0.58	O				
113+55	0.6041	0.60	O					119+ 5	0.5805	0.58	O				
114+ 0	0.6038	0.60	O					119+10	0.5801	0.58	O				
114+ 5	0.6035	0.60	O					119+15	0.5797	0.58	O				
114+10	0.6032	0.60	O					119+20	0.5793	0.58	O				
114+15	0.6029	0.60	O					119+25	0.5789	0.58	O				
114+20	0.6025	0.60	O					119+30	0.5785	0.58	O				
114+25	0.6022	0.60	O					119+35	0.5781	0.58	O				
114+30	0.6019	0.60	O					119+40	0.5777	0.58	O				
114+35	0.6016	0.60	O					119+45	0.5774	0.58	O				
114+40	0.6013	0.60	O					119+50	0.5770	0.58	O				
114+45	0.6010	0.60	O					119+55	0.5766	0.58	O				
114+50	0.6007	0.60	O					120+ 0	0.5762	0.58	O				

120+ 5	0.5758	0.58	O					125+15	0.5521	0.55	O				
120+10	0.5754	0.58	O					125+20	0.5518	0.55	O				
120+15	0.5750	0.58	O					125+25	0.5514	0.55	O				
120+20	0.5746	0.57	O					125+30	0.5510	0.55	O				
120+25	0.5742	0.57	O					125+35	0.5506	0.55	O				
120+30	0.5739	0.57	O					125+40	0.5503	0.55	O				
120+35	0.5735	0.57	O					125+45	0.5499	0.55	O				
120+40	0.5731	0.57	O					125+50	0.5495	0.55	O				
120+45	0.5727	0.57	O					125+55	0.5491	0.55	O				
120+50	0.5723	0.57	O					126+ 0	0.5488	0.55	O				
120+55	0.5719	0.57	O					126+ 5	0.5484	0.55	O				
121+ 0	0.5715	0.57	O					126+10	0.5480	0.55	O				
121+ 5	0.5711	0.57	O					126+15	0.5477	0.55	O				
121+10	0.5708	0.57	O					126+20	0.5473	0.55	O				
121+15	0.5704	0.57	O					126+25	0.5469	0.55	O				
121+20	0.5700	0.57	O					126+30	0.5465	0.55	O				
121+25	0.5696	0.57	O					126+35	0.5462	0.55	O				
121+30	0.5692	0.57	O					126+40	0.5458	0.55	O				
121+35	0.5688	0.57	O					126+45	0.5454	0.55	O				
121+40	0.5684	0.57	O					126+50	0.5451	0.55	O				
121+45	0.5681	0.57	O					126+55	0.5447	0.54	O				
121+50	0.5677	0.57	O					127+ 0	0.5443	0.54	O				
121+55	0.5673	0.57	O					127+ 5	0.5440	0.54	O				
122+ 0	0.5669	0.57	O					127+10	0.5436	0.54	O				
122+ 5	0.5665	0.57	O					127+15	0.5432	0.54	O				
122+10	0.5661	0.57	O					127+20	0.5429	0.54	O				
122+15	0.5657	0.57	O					127+25	0.5425	0.54	O				
122+20	0.5654	0.57	O					127+30	0.5421	0.54	O				
122+25	0.5650	0.56	O					127+35	0.5418	0.54	O				
122+30	0.5646	0.56	O					127+40	0.5414	0.54	O				
122+35	0.5642	0.56	O					127+45	0.5410	0.54	O				
122+40	0.5638	0.56	O					127+50	0.5407	0.54	O				
122+45	0.5635	0.56	O					127+55	0.5403	0.54	O				
122+50	0.5631	0.56	O					128+ 0	0.5399	0.54	O				
122+55	0.5627	0.56	O					128+ 5	0.5396	0.54	O				
123+ 0	0.5623	0.56	O					128+10	0.5392	0.54	O				
123+ 5	0.5619	0.56	O					128+15	0.5388	0.54	O				
123+10	0.5616	0.56	O					128+20	0.5385	0.54	O				
123+15	0.5612	0.56	O					128+25	0.5381	0.54	O				
123+20	0.5608	0.56	O					128+30	0.5377	0.54	O				
123+25	0.5604	0.56	O					128+35	0.5374	0.54	O				
123+30	0.5600	0.56	O					128+40	0.5370	0.54	O				
123+35	0.5597	0.56	O					128+45	0.5366	0.54	O				
123+40	0.5593	0.56	O					128+50	0.5363	0.54	O				
123+45	0.5589	0.56	O					128+55	0.5359	0.54	O				
123+50	0.5585	0.56	O					129+ 0	0.5356	0.54	O				
123+55	0.5581	0.56	O					129+ 5	0.5352	0.54	O				
124+ 0	0.5578	0.56	O					129+10	0.5348	0.53	O				
124+ 5	0.5574	0.56	O					129+15	0.5345	0.53	O				
124+10	0.5570	0.56	O					129+20	0.5341	0.53	O				
124+15	0.5566	0.56	O					129+25	0.5337	0.53	O				
124+20	0.5563	0.56	O					129+30	0.5334	0.53	O				
124+25	0.5559	0.56	O					129+35	0.5330	0.53	O				
124+30	0.5555	0.56	O					129+40	0.5327	0.53	O				
124+35	0.5551	0.56	O					129+45	0.5323	0.53	O				
124+40	0.5547	0.55	O					129+50	0.5319	0.53	O				
124+45	0.5544	0.55	O					129+55	0.5316	0.53	O				
124+50	0.5540	0.55	O					130+ 0	0.5312	0.53	O				
124+55	0.5536	0.55	O					130+ 5	0.5309	0.53	O				
125+ 0	0.5532	0.55	O					130+10	0.5305	0.53	O				
125+ 5	0.5529	0.55	O					130+15	0.5301	0.53	O				
125+10	0.5525	0.55	O					130+20	0.5297	0.53	O				

130+25	0.5292	0.53	O				
130+30	0.5287	0.53	O				
130+35	0.5282	0.53	O				
130+40	0.5277	0.53	O				
130+45	0.5272	0.53	O				
130+50	0.5267	0.53	O				
130+55	0.5262	0.53	O				
131+ 0	0.5257	0.53	O				
131+ 5	0.5253	0.53	O				
131+10	0.5248	0.52	O				
131+15	0.5243	0.52	O				
131+20	0.5238	0.52	O				
131+25	0.5233	0.52	O				
131+30	0.5228	0.52	O				
131+35	0.5223	0.52	O				
131+40	0.5218	0.52	O				
131+45	0.5213	0.52	O				
131+50	0.5209	0.52	O				
131+55	0.5204	0.52	O				
132+ 0	0.5199	0.52	O				
132+ 5	0.5194	0.52	O				
132+10	0.5189	0.52	O				
132+15	0.5184	0.52	O				
132+20	0.5179	0.52	O				
132+25	0.5174	0.52	O				
132+30	0.5170	0.52	O				
132+35	0.5165	0.52	O				
132+40	0.5160	0.52	O				
132+45	0.5155	0.52	O				
132+50	0.5150	0.52	O				
132+55	0.5146	0.51	O				
133+ 0	0.5141	0.51	O				
133+ 5	0.5136	0.51	O				
133+10	0.5131	0.51	O				
133+15	0.5126	0.51	O				
133+20	0.5121	0.51	O				
133+25	0.5117	0.51	O				
133+30	0.5112	0.51	O				
133+35	0.5107	0.51	O				
133+40	0.5102	0.51	O				
133+45	0.5098	0.51	O				
133+50	0.5093	0.51	O				
133+55	0.5088	0.51	O				
134+ 0	0.5083	0.51	O				
134+ 5	0.5078	0.51	O				
134+10	0.5074	0.51	O				
134+15	0.5069	0.51	O				
134+20	0.5064	0.51	O				
134+25	0.5060	0.51	O				
134+30	0.5055	0.51	O				
134+35	0.5050	0.50	O				
134+40	0.5045	0.50	O				
134+45	0.5041	0.50	O				
134+50	0.5036	0.50	O				
134+55	0.5031	0.50	O				
135+ 0	0.5026	0.50	O				
135+ 5	0.5022	0.50	O				
135+10	0.5017	0.50	O				
135+15	0.5012	0.50	O				
135+20	0.5008	0.50	O				
135+25	0.5003	0.50	O				
135+30	0.4998	0.50	O				
135+35	0.4994	0.50	O				
135+40	0.4989	0.50	O				
135+45	0.4984	0.50	O				
135+50	0.4980	0.50	O				
135+55	0.4975	0.50	O				
136+ 0	0.4970	0.50	O				
136+ 5	0.4966	0.50	O				
136+10	0.4961	0.50	O				
136+15	0.4956	0.50	O				
136+20	0.4952	0.50	O				
136+25	0.4947	0.49	O				
136+30	0.4942	0.49	O				
136+35	0.4938	0.49	O				
136+40	0.4933	0.49	O				
136+45	0.4929	0.49	O				
136+50	0.4924	0.49	O				
136+55	0.4919	0.49	O				
137+ 0	0.4915	0.49	O				
137+ 5	0.4910	0.49	O				
137+10	0.4906	0.49	O				
137+15	0.4901	0.49	O				
137+20	0.4896	0.49	O				
137+25	0.4892	0.49	O				
137+30	0.4887	0.49	O				
137+35	0.4883	0.49	O				
137+40	0.4878	0.49	O				
137+45	0.4874	0.49	O				
137+50	0.4869	0.49	O				
137+55	0.4864	0.49	O				
138+ 0	0.4860	0.49	O				
138+ 5	0.4855	0.49	O				
138+10	0.4851	0.49	O				
138+15	0.4846	0.48	O				
138+20	0.4842	0.48	O				
138+25	0.4837	0.48	O				
138+30	0.4833	0.48	O				
138+35	0.4828	0.48	O				
138+40	0.4824	0.48	O				
138+45	0.4819	0.48	O				
138+50	0.4815	0.48	O				
138+55	0.4810	0.48	O				
139+ 0	0.4806	0.48	O				
139+ 5	0.4801	0.48	O				
139+10	0.4797	0.48	O				
139+15	0.4792	0.48	O				
139+20	0.4788	0.48	O				
139+25	0.4783	0.48	O				
139+30	0.4779	0.48	O				
139+35	0.4774	0.48	O				
139+40	0.4770	0.48	O				
139+45	0.4765	0.48	O				
139+50	0.4761	0.48	O				
139+55	0.4756	0.48	O				

**********HYDROGRAPH DATA**********

Number of intervals = 3402
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 32.961 (CFS)
Total volume = 16.137 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000

```
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.200 to Point/Station        9.500
**** STORE OR DELETE CURRENT HYDROGRAPH ****
_______________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 2 with
a starting time of   0.00 hours and ending time of  25.00 hours
With a total volume of       7.84(Ac.Ft)
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000    32.961     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     7.844     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.600 to Point/Station        9.500
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
_______________________________________________________________________________
********************* HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP9C1006100.rte
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                 P R I N T  O F  S T O R M
               R u n o f f     H y d r o g r a p h
-------------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        1.8       3.6       5.4       7.2
-------------------------------------------------------------------------------
  0+ 5       0.0581      0.06  Q         |         |         |         |
  0+10       0.1308      0.13  Q         |         |         |         |
  0+15       0.1496      0.15  Q         |         |         |         |
  0+20       0.1518      0.15  Q         |         |         |         |
  0+25       0.1520      0.15  Q         |         |         |         |
  0+30       0.1636      0.16  Q         |         |         |         |
  0+35       0.1758      0.18  Q         |         |         |         |
  0+40       0.1772      0.18  Q         |         |         |         |
  0+45       0.1773      0.18  Q         |         |         |         |
  0+50       0.1773      0.18  Q         |         |         |         |
  0+55       0.1773      0.18  Q         |         |         |         |
  1+ 0       0.1890      0.19  |Q        |         |         |         |
  1+ 5       0.2012      0.20  |Q        |         |         |         |
  1+10       0.2025      0.20  |Q        |         |         |         |
  1+15       0.2027      0.20  |Q        |         |         |         |
  1+20       0.2027      0.20  |Q        |         |         |         |
  1+25       0.2027      0.20  |Q        |         |         |         |
  1+30       0.2027      0.20  |Q        |         |         |         |
  1+35       0.2027      0.20  |Q        |         |         |         |
  1+40       0.2027      0.20  |Q        |         |         |         |
  1+45       0.2027      0.20  |Q        |         |         |         |
  1+50       0.2027      0.20  |Q        |         |         |         |
  1+55       0.2027      0.20  |Q        |         |         |         |
  2+ 0       0.2143      0.21  |Q        |         |         |         |
  2+ 5       0.2149      0.21  |Q        |         |         |         |
  2+10       0.2156      0.22  |Q        |         |         |         |
  2+15       0.2267      0.23  |Q        |         |         |         |
  2+20       0.2278      0.23  |Q        |         |         |         |
  2+25       0.2280      0.23  |Q        |         |         |         |
  2+30       0.2280      0.23  |Q        |         |         |         |
  2+35       0.2280      0.23  |Q        |         |         |         |
  2+40       0.2280      0.23  |Q        |         |         |         |
  2+45       0.2396      0.24  |Q        |         |         |         |
  2+50       0.2518      0.25  |Q        |         |         |         |
  2+55       0.2532      0.25  |Q        |         |         |         |
  3+ 0       0.2534      0.25  |Q        |         |         |         |
  3+ 5       0.2534      0.25  |Q        |         |         |         |
  3+10       0.2650      0.26  |Q        |         |         |         |
  3+15       0.2772      0.28  |Q        |         |         |         |
  3+20       0.2785      0.28  |Q        |         |         |         |
  3+25       0.2903      0.29  |Q        |         |         |         |
  3+30       0.3320      0.33  |Q        |         |         |         |
  3+35       0.4473      0.45  | Q       |         |         |         |
  3+40       0.5380      0.54  | Q       |         |         |         |
  3+45       0.6309      0.63  |  Q      |         |         |         |
  3+50       0.7194      0.72  |  Q      |         |         |         |
  3+55       0.8119      0.81  |   Q     |         |         |         |
  4+ 0       0.9004      0.90  |   Q     |         |         |         |
  4+ 5       0.9929      0.99  |    Q    |         |         |         |
  4+10       1.1644      1.16  |     Q   |         |         |         |
  4+15       1.3440      1.34  |      Q  |         |         |         |
  4+20       1.5250      1.52  |       Q |         |         |         |
  4+25       1.7060      1.71  |        Q|         |         |         |
  4+30       1.8039      1.80  |         Q         |         |         |
  4+35       1.8977      1.90  |         Q         |         |         |
  4+40       2.0692      2.07  |          Q        |         |         |
  4+45       2.2489      2.25  |          | Q      |         |         |
  4+50       2.3468      2.35  |          |  Q     |         |         |
  4+55       2.4406      2.44  |          |  Q     |         |         |
  5+ 0       2.6121      2.61  |          |   Q    |         |         |
  5+ 5       3.1239      3.12  |          |     Q  |         |         |
  5+10       3.9857      3.99  |          |        | Q       |         |
  5+15       4.7192      4.72  |          |        |    Q    |         |
  5+20       5.2836      5.28  |          |        |       Q |         |
  5+25       5.9953      6.00  |          |        |         |  Q      |
  5+30       7.2107      7.21  |          |        |         |       Q |
  5+35       4.9740      4.97  |          |        |    Q    |         |
  5+40       1.2781      1.28  |      Q   |        |         |         |
  5+45       0.3148      0.31  |Q         |        |         |         |
  5+50       0.1538      0.15  Q          |        |         |         |
  5+55       0.1055      0.11  Q          |        |         |         |
  6+ 0       0.0676      0.07  Q          |        |         |         |
  6+ 5       0.0293      0.03  Q          |        |         |         |
  6+10       0.0032      0.00  Q          |        |         |         |
  6+15       0.0004      0.00  Q          |        |         |         |
-------------------------------------------------------------------------------
        *****************************HYDROGRAPH DATA*****************************
                        Number of intervals =    75
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =        7.211 (CFS)
```

```
                Total volume =       0.498 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000    32.961     0.000     0.000     0.000
          Vol (Ac.Ft)     0.000     7.844     0.000     0.000     0.000
     ************************************************************************


     ------------------------------------------------------------------------


     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
     Process from Point/Station        9.500 to Point/Station        9.500
     **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
     ________________________________________________________________________
     From stored stream number 2 the total
     volume of       7.84 (Ac.Ft) is being added to the
     current hydrograph at its original rate from user
     with a delay time to start of addition of    0.00 hours.
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
     ------------------------------------------------------------------------
               Hydrograph in   5   Minute intervals (CFS)

     ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        9.3      18.6      27.9      37.2
----------------------------------------------------------------------
  0+ 5       0.0145      0.07  Q         |         |         |         |
  0+10       0.0819      0.21  Q         |         |         |         |
  0+15       0.2104      0.36  Q         |         |         |         |
  0+20       0.3671      0.52  Q         |         |         |         |
  0+25       0.4715      0.62  Q         |         |         |         |
  0+30       0.5624      0.73  Q         |         |         |         |
  0+35       0.6572      0.83  Q         |         |         |         |
  0+40       0.7410      0.92  Q         |         |         |         |
  0+45       0.7999      0.98  qQ        |         |         |         |
  0+50       0.8535      1.03  qQ        |         |         |         |
  0+55       0.8993      1.08  qQ        |         |         |         |
  1+ 0       0.9441      1.13  |Q        |         |         |         |
  1+ 5       0.9915      1.19  |Q        |         |         |         |
  1+10       1.0356      1.24  |Q        |         |         |         |
  1+15       1.0724      1.28  |Q        |         |         |         |
  1+20       1.1083      1.31  |Q        |         |         |         |
  1+25       1.1429      1.35  |Q        |         |         |         |
  1+30       1.1760      1.38  |Q        |         |         |         |
  1+35       1.2089      1.41  |Q        |         |         |         |
  1+40       1.2415      1.44  |Q        |         |         |         |
  1+45       1.2705      1.47  |Q        |         |         |         |
  1+50       1.2966      1.50  |Q        |         |         |         |
  1+55       1.3221      1.52  |Q        |         |         |         |
  2+ 0       1.3480      1.56  |Q        |         |         |         |
  2+ 5       1.3746      1.59  |Q        |         |         |         |
  2+10       1.4005      1.62  |Q        |         |         |         |
  2+15       1.4263      1.65  |Q        |         |         |         |
  2+20       1.4502      1.68  |Q        |         |         |         |
  2+25       1.4739      1.70  |Q        |         |         |         |
  2+30       1.4964      1.72  |Q        |         |         |         |
  2+35       1.5181      1.75  |Q        |         |         |         |
  2+40       1.5397      1.77  |Q        |         |         |         |
  2+45       1.5616      1.80  |Q        |         |         |         |
  2+50       1.5841      1.84  |Q        |         |         |         |
  2+55       1.6051      1.86  |Q        |         |         |         |
  3+ 0       1.6256      1.88  |qQ       |         |         |         |
  3+ 5       1.6461      1.90  |qQ       |         |         |         |
  3+10       1.6668      1.93  |qQ       |         |         |         |
  3+15       1.6885      1.97  |qQ       |         |         |         |
  3+20       1.7093      1.99  |qQ       |         |         |         |
  3+25       1.7288      2.02  |qQ       |         |         |         |
  3+30       1.7479      2.08  |qQ       |         |         |         |
  3+35       1.7683      2.22  |qQ       |         |         |         |
  3+40       1.7900      2.33  |qQ       |         |         |         |
  3+45       1.8123      2.44  |qQ       |         |         |         |
  3+50       1.8354      2.55  |qQ       |         |         |         |
  3+55       1.8588      2.67  |qQ       |         |         |         |
  4+ 0       1.8804      2.78  | Q       |         |         |         |
  4+ 5       1.9013      2.89  | qQ      |         |         |         |
  4+10       1.9229      3.09  | qQ      |         |         |         |
  4+15       1.9461      3.29  | qQ      |         |         |         |
  4+20       1.9698      3.49  | qQ      |         |         |         |
  4+25       1.9942      3.70  | qQ      |         |         |         |
  4+30       2.0198      3.82  | q Q     |         |         |         |
  4+35       2.0426      3.94  | q Q     |         |         |         |
  4+40       2.0657      4.13  | q Q     |         |         |         |
  4+45       2.0906      4.34  | q Q     |         |         |         |
  4+50       2.1180      4.46  | q Q     |         |         |         |
  4+55       2.1468      4.59  | q Q     |         |         |         |
  5+ 0       2.1753      4.79  | q  Q    |         |         |         |
  5+ 5       4.4488      7.57  |   q   Q |         |         |         |
  5+10       7.6599     11.65  |       q | Q       |         |         |
  5+15      10.9174     15.64  |         |q    Q   |         |         |
  5+20      15.5926     20.88  |         |     q   | Q       |         |
  5+25      21.6939     27.69  |         |         |   q     Q|        |
  5+30      27.8259     35.04  |         |         |         q|      Q  |
  5+35      32.2549     37.23  |         |         |          |    q    Q
  5+40      32.9606     34.24  |         |         |          |   qQ    |
  5+45      29.7514     30.07  |         |         |          |qQ       |
  5+50      25.3474     25.50  |         |         |        Q |         |
  5+55      21.8985     22.00  |         |         |   Q      |         |
  6+ 0      19.5323     19.60  |         |         |qQ        |         |
  6+ 5      17.5464     17.58  |         |       Q |          |         |
  6+10      15.7775     15.78  |         |     Q   |          |         |
  6+15      14.2423     14.24  |         |    Q    |          |         |
  6+20      12.9700     12.97  |         |  Q      |          |         |
  6+25      11.9357     11.94  |         | Q       |          |         |
  6+30      11.0966     11.10  |         |Q        |          |         |
  6+35      10.4133     10.41  |         |Q        |          |         |
  6+40       9.8531      9.85  |        Q|         |          |         |
  6+45       9.4997      9.50  |        Q|         |          |         |
  6+50       9.3451      9.35  |        Q|         |          |         |
  6+55       9.2294      9.23  |       Q||         |          |         |
  7+ 0       9.1159      9.12  |       Q||         |          |         |
  7+ 5       9.0041      9.00  |       Q||         |          |         |
  7+10       8.8938      8.89  |       Q||         |          |         |
  7+15       8.7850      8.79  |       Q||         |          |         |
  7+20       8.6778      8.68  |       Q||         |          |         |
  7+25       8.5720      8.57  |       Q||         |          |         |
  7+30       8.4678      8.47  |       Q||         |          |         |
  7+35       8.3650      8.36  |      Q |||         |          |         |
  7+40       8.2636      8.26  |      Q |||         |          |         |
  7+45       8.1637      8.16  |      Q |||         |          |         |
  7+50       8.0651      8.07  |      Q |||         |          |         |
  7+55       7.9680      7.97  |      Q |||         |          |         |
  8+ 0       7.8722      7.87  |      Q |||         |          |         |
  8+ 5       7.7777      7.78  |      Q |||         |          |         |
```

8+10	7.6460	7.65			Q					13+20	2.4441	2.44	Q						
8+15	7.4832	7.48			Q					13+25	2.4104	2.41	Q						
8+20	7.3200	7.32			Q					13+30	2.3775	2.38	Q						
8+25	7.1610	7.16			Q					13+35	2.3454	2.35	Q						
8+30	7.0062	7.01			Q					13+40	2.3141	2.31	Q						
8+35	6.8553	6.86			Q					13+45	2.2836	2.28	Q						
8+40	6.7084	6.71			Q					13+50	2.2539	2.25	Q						
8+45	6.5652	6.57			Q					13+55	2.2249	2.22	Q						
8+50	6.4258	6.43			Q					14+ 0	2.1966	2.20	Q						
8+55	6.2900	6.29			Q					14+ 5	2.1690	2.17	Q						
9+ 0	6.1577	6.16			Q					14+10	2.1421	2.14	Q						
9+ 5	6.0289	6.03			Q					14+15	2.1159	2.12	Q						
9+10	5.9033	5.90			Q					14+20	2.0919	2.09	Q						
9+15	5.7811	5.78			Q					14+25	2.0870	2.09	Q						
9+20	5.6620	5.66			Q					14+30	2.0851	2.09	Q						
9+25	5.5459	5.55			Q					14+35	2.0833	2.08	Q						
9+30	5.4329	5.43			Q					14+40	2.0815	2.08	Q						
9+35	5.3229	5.32			Q					14+45	2.0797	2.08	Q						
9+40	5.2157	5.22			Q					14+50	2.0780	2.08	Q						
9+45	5.1114	5.11			Q					14+55	2.0764	2.08	Q						
9+50	5.0098	5.01			Q					15+ 0	2.0748	2.07	Q						
9+55	4.9108	4.91			Q					15+ 5	2.0732	2.07	Q						
10+ 0	4.8144	4.81			Q					15+10	2.0716	2.07	Q						
10+ 5	4.7205	4.72			Q					15+15	2.0700	2.07	Q						
10+10	4.6290	4.63			Q					15+20	2.0684	2.07	Q						
10+15	4.5398	4.54			Q					15+25	2.0668	2.07	Q						
10+20	4.4530	4.45			Q					15+30	2.0652	2.07	Q						
10+25	4.3684	4.37			Q					15+35	2.0636	2.06	Q						
10+30	4.2860	4.29			Q					15+40	2.0620	2.06	Q						
10+35	4.2057	4.21			Q					15+45	2.0604	2.06	Q						
10+40	4.1275	4.13			Q					15+50	2.0588	2.06	Q						
10+45	4.0513	4.05			Q					15+55	2.0572	2.06	Q						
10+50	3.9770	3.98			Q					16+ 0	2.0557	2.06	Q						
10+55	3.9047	3.90			Q					16+ 5	2.0541	2.05	Q						
11+ 0	3.8342	3.83			Q					16+10	2.0525	2.05	Q						
11+ 5	3.7656	3.77			Q					16+15	2.0509	2.05	Q						
11+10	3.6987	3.70		Q						16+20	2.0493	2.05	Q						
11+15	3.6335	3.63		Q						16+25	2.0478	2.05	Q						
11+20	3.5700	3.57		Q						16+30	2.0462	2.05	Q						
11+25	3.5082	3.51		Q						16+35	2.0446	2.04	Q						
11+30	3.4479	3.45		Q						16+40	2.0430	2.04	Q						
11+35	3.3892	3.39		Q						16+45	2.0415	2.04	Q						
11+40	3.3319	3.33		Q						16+50	2.0399	2.04	Q						
11+45	3.2762	3.28		Q						16+55	2.0383	2.04	Q						
11+50	3.2219	3.22		Q						17+ 0	2.0368	2.04	Q						
11+55	3.1689	3.17		Q						17+ 5	2.0352	2.04	Q						
12+ 0	3.1173	3.12		Q						17+10	2.0335	2.03	Q						
12+ 5	3.0671	3.07		Q						17+15	2.0315	2.03	Q						
12+10	3.0181	3.02		Q						17+20	2.0294	2.03	Q						
12+15	2.9704	2.97		Q						17+25	2.0273	2.03	Q						
12+20	2.9235	2.92		Q						17+30	2.0253	2.03	Q						
12+25	2.8777	2.88		Q						17+35	2.0232	2.02	Q						
12+30	2.8331	2.83		Q						17+40	2.0211	2.02	Q						
12+35	2.7896	2.79	Q							17+45	2.0191	2.02	Q						
12+40	2.7471	2.75	Q							17+50	2.0170	2.02	Q						
12+45	2.7058	2.71	Q							17+55	2.0149	2.01	Q						
12+50	2.6655	2.67	Q							18+ 0	2.0129	2.01	Q						
12+55	2.6262	2.63	Q							18+ 5	2.0108	2.01	Q						
13+ 0	2.5879	2.59	Q							18+10	2.0088	2.01	Q						
13+ 5	2.5506	2.55	Q							18+15	2.0067	2.01	Q						
13+10	2.5142	2.51	Q							18+20	2.0047	2.00	Q						
13+15	2.4787	2.48	Q							18+25	2.0026	2.00	Q						

18+30	2.0006	2.00	Q					23+40	1.8582	1.86	Q				
18+35	1.9985	2.00	Q					23+45	1.8555	1.86	Q				
18+40	1.9965	2.00	Q					23+50	1.8528	1.85	Q				
18+45	1.9945	1.99	Q					23+55	1.8500	1.85	Q				
18+50	1.9925	1.99	Q					24+ 0	1.8473	1.85	Q				
18+55	1.9904	1.99	Q					24+ 5	1.8446	1.84	Q				
19+ 0	1.9884	1.99	Q					24+10	1.8419	1.84	Q				
19+ 5	1.9864	1.99	Q					24+15	1.8392	1.84	Q				
19+10	1.9844	1.98	Q					24+20	1.8366	1.84	Q				
19+15	1.9824	1.98	Q					24+25	1.8339	1.83	Q				
19+20	1.9804	1.98	Q					24+30	1.8312	1.83	Q				
19+25	1.9783	1.98	Q					24+35	1.8285	1.83	Q				
19+30	1.9761	1.98	Q					24+40	1.8259	1.83	Q				
19+35	1.9739	1.97	Q					24+45	1.8232	1.82	Q				
19+40	1.9717	1.97	Q					24+50	1.8206	1.82	Q				
19+45	1.9695	1.97	Q					24+55	1.8179	1.82	Q				
19+50	1.9674	1.97	Q					25+ 0	1.8153	1.82	Q				
19+55	1.9652	1.97	Q					25+ 5	0.0000	0.00	Q				
20+ 0	1.9630	1.96	Q					25+10	0.0000	0.00	Q				
20+ 5	1.9608	1.96	Q					25+15	0.0000	0.00	Q				
20+10	1.9587	1.96	Q					25+20	0.0000	0.00	Q				
20+15	1.9565	1.96	Q					25+25	0.0000	0.00	Q				
20+20	1.9544	1.95	Q					25+30	0.0000	0.00	Q				
20+25	1.9522	1.95	Q					25+35	0.0000	0.00	Q				
20+30	1.9501	1.95	Q					25+40	0.0000	0.00	Q				
20+35	1.9479	1.95	Q					25+45	0.0000	0.00	Q				
20+40	1.9458	1.95	Q					25+50	0.0000	0.00	Q				
20+45	1.9436	1.94	Q					25+55	0.0000	0.00	Q				
20+50	1.9415	1.94	Q					26+ 0	0.0000	0.00	Q				
20+55	1.9393	1.94	Q					26+ 5	0.0000	0.00	Q				
21+ 0	1.9372	1.94	Q					26+10	0.0000	0.00	Q				
21+ 5	1.9351	1.94	Q					26+15	0.0000	0.00	Q				
21+10	1.9330	1.93	Q					26+20	0.0000	0.00	Q				
21+15	1.9309	1.93	Q					26+25	0.0000	0.00	Q				
21+20	1.9287	1.93	Q					26+30	0.0000	0.00	Q				
21+25	1.9266	1.93	Q					26+35	0.0000	0.00	Q				
21+30	1.9245	1.92	Q					26+40	0.0000	0.00	Q				
21+35	1.9220	1.92	Q					26+45	0.0000	0.00	Q				
21+40	1.9194	1.92	Q					26+50	0.0000	0.00	Q				
21+45	1.9168	1.92	Q					26+55	0.0000	0.00	Q				
21+50	1.9142	1.91	Q					27+ 0	0.0000	0.00	Q				
21+55	1.9116	1.91	Q					27+ 5	0.0000	0.00	Q				
22+ 0	1.9090	1.91	Q					27+10	0.0000	0.00	Q				
22+ 5	1.9064	1.91	Q					27+15	0.0000	0.00	Q				
22+10	1.9038	1.90	Q					27+20	0.0000	0.00	Q				
22+15	1.9012	1.90	Q					27+25	0.0000	0.00	Q				
22+20	1.8987	1.90	Q					27+30	0.0000	0.00	Q				
22+25	1.8961	1.90	Q					27+35	0.0000	0.00	Q				
22+30	1.8936	1.89	Q					27+40	0.0000	0.00	Q				
22+35	1.8910	1.89	Q					27+45	0.0000	0.00	Q				
22+40	1.8885	1.89	Q					27+50	0.0000	0.00	Q				
22+45	1.8859	1.89	Q					27+55	0.0000	0.00	Q				
22+50	1.8834	1.88	Q					28+ 0	0.0000	0.00	Q				
22+55	1.8809	1.88	Q					28+ 5	0.0000	0.00	Q				
23+ 0	1.8783	1.88	Q					28+10	0.0000	0.00	Q				
23+ 5	1.8758	1.88	Q					28+15	0.0000	0.00	Q				
23+10	1.8733	1.87	Q					28+20	0.0000	0.00	Q				
23+15	1.8708	1.87	Q					28+25	0.0000	0.00	Q				
23+20	1.8683	1.87	Q					28+30	0.0000	0.00	Q				
23+25	1.8658	1.87	Q					28+35	0.0000	0.00	Q				
23+30	1.8633	1.86	Q					28+40	0.0000	0.00	Q				
23+35	1.8608	1.86	Q					28+45	0.0000	0.00	Q				

28+50	0.0000	0.00	Q					34+ 0	0.0000	0.00	Q				
28+55	0.0000	0.00	Q					34+ 5	0.0000	0.00	Q				
29+ 0	0.0000	0.00	Q					34+10	0.0000	0.00	Q				
29+ 5	0.0000	0.00	Q					34+15	0.0000	0.00	Q				
29+10	0.0000	0.00	Q					34+20	0.0000	0.00	Q				
29+15	0.0000	0.00	Q					34+25	0.0000	0.00	Q				
29+20	0.0000	0.00	Q					34+30	0.0000	0.00	Q				
29+25	0.0000	0.00	Q					34+35	0.0000	0.00	Q				
29+30	0.0000	0.00	Q					34+40	0.0000	0.00	Q				
29+35	0.0000	0.00	Q					34+45	0.0000	0.00	Q				
29+40	0.0000	0.00	Q					34+50	0.0000	0.00	Q				
29+45	0.0000	0.00	Q					34+55	0.0000	0.00	Q				
29+50	0.0000	0.00	Q					35+ 0	0.0000	0.00	Q				
29+55	0.0000	0.00	Q					35+ 5	0.0000	0.00	Q				
30+ 0	0.0000	0.00	Q					35+10	0.0000	0.00	Q				
30+ 5	0.0000	0.00	Q					35+15	0.0000	0.00	Q				
30+10	0.0000	0.00	Q					35+20	0.0000	0.00	Q				
30+15	0.0000	0.00	Q					35+25	0.0000	0.00	Q				
30+20	0.0000	0.00	Q					35+30	0.0000	0.00	Q				
30+25	0.0000	0.00	Q					35+35	0.0000	0.00	Q				
30+30	0.0000	0.00	Q					35+40	0.0000	0.00	Q				
30+35	0.0000	0.00	Q					35+45	0.0000	0.00	Q				
30+40	0.0000	0.00	Q					35+50	0.0000	0.00	Q				
30+45	0.0000	0.00	Q					35+55	0.0000	0.00	Q				
30+50	0.0000	0.00	Q					36+ 0	0.0000	0.00	Q				
30+55	0.0000	0.00	Q					36+ 5	0.0000	0.00	Q				
31+ 0	0.0000	0.00	Q					36+10	0.0000	0.00	Q				
31+ 5	0.0000	0.00	Q					36+15	0.0000	0.00	Q				
31+10	0.0000	0.00	Q					36+20	0.0000	0.00	Q				
31+15	0.0000	0.00	Q					36+25	0.0000	0.00	Q				
31+20	0.0000	0.00	Q					36+30	0.0000	0.00	Q				
31+25	0.0000	0.00	Q					36+35	0.0000	0.00	Q				
31+30	0.0000	0.00	Q					36+40	0.0000	0.00	Q				
31+35	0.0000	0.00	Q					36+45	0.0000	0.00	Q				
31+40	0.0000	0.00	Q					36+50	0.0000	0.00	Q				
31+45	0.0000	0.00	Q					36+55	0.0000	0.00	Q				
31+50	0.0000	0.00	Q					37+ 0	0.0000	0.00	Q				
31+55	0.0000	0.00	Q					37+ 5	0.0000	0.00	Q				
32+ 0	0.0000	0.00	Q					37+10	0.0000	0.00	Q				
32+ 5	0.0000	0.00	Q					37+15	0.0000	0.00	Q				
32+10	0.0000	0.00	Q					37+20	0.0000	0.00	Q				
32+15	0.0000	0.00	Q					37+25	0.0000	0.00	Q				
32+20	0.0000	0.00	Q					37+30	0.0000	0.00	Q				
32+25	0.0000	0.00	Q					37+35	0.0000	0.00	Q				
32+30	0.0000	0.00	Q					37+40	0.0000	0.00	Q				
32+35	0.0000	0.00	Q					37+45	0.0000	0.00	Q				
32+40	0.0000	0.00	Q					37+50	0.0000	0.00	Q				
32+45	0.0000	0.00	Q					37+55	0.0000	0.00	Q				
32+50	0.0000	0.00	Q					38+ 0	0.0000	0.00	Q				
32+55	0.0000	0.00	Q					38+ 5	0.0000	0.00	Q				
33+ 0	0.0000	0.00	Q					38+10	0.0000	0.00	Q				
33+ 5	0.0000	0.00	Q					38+15	0.0000	0.00	Q				
33+10	0.0000	0.00	Q					38+20	0.0000	0.00	Q				
33+15	0.0000	0.00	Q					38+25	0.0000	0.00	Q				
33+20	0.0000	0.00	Q					38+30	0.0000	0.00	Q				
33+25	0.0000	0.00	Q					38+35	0.0000	0.00	Q				
33+30	0.0000	0.00	Q					38+40	0.0000	0.00	Q				
33+35	0.0000	0.00	Q					38+45	0.0000	0.00	Q				
33+40	0.0000	0.00	Q					38+50	0.0000	0.00	Q				
33+45	0.0000	0.00	Q					38+55	0.0000	0.00	Q				
33+50	0.0000	0.00	Q					39+ 0	0.0000	0.00	Q				
33+55	0.0000	0.00	Q					39+ 5	0.0000	0.00	Q				

39+10	0.0000	0.00	Q					44+20	0.0000	0.00	Q				
39+15	0.0000	0.00	Q					44+25	0.0000	0.00	Q				
39+20	0.0000	0.00	Q					44+30	0.0000	0.00	Q				
39+25	0.0000	0.00	Q					44+35	0.0000	0.00	Q				
39+30	0.0000	0.00	Q					44+40	0.0000	0.00	Q				
39+35	0.0000	0.00	Q					44+45	0.0000	0.00	Q				
39+40	0.0000	0.00	Q					44+50	0.0000	0.00	Q				
39+45	0.0000	0.00	Q					44+55	0.0000	0.00	Q				
39+50	0.0000	0.00	Q					45+ 0	0.0000	0.00	Q				
39+55	0.0000	0.00	Q					45+ 5	0.0000	0.00	Q				
40+ 0	0.0000	0.00	Q					45+10	0.0000	0.00	Q				
40+ 5	0.0000	0.00	Q					45+15	0.0000	0.00	Q				
40+10	0.0000	0.00	Q					45+20	0.0000	0.00	Q				
40+15	0.0000	0.00	Q					45+25	0.0000	0.00	Q				
40+20	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+20	0.0000	0.00	Q				
41+15	0.0000	0.00	Q					46+25	0.0000	0.00	Q				
41+20	0.0000	0.00	Q					46+30	0.0000	0.00	Q				
41+25	0.0000	0.00	Q					46+35	0.0000	0.00	Q				
41+30	0.0000	0.00	Q					46+40	0.0000	0.00	Q				
41+35	0.0000	0.00	Q					46+45	0.0000	0.00	Q				
41+40	0.0000	0.00	Q					46+50	0.0000	0.00	Q				
41+45	0.0000	0.00	Q					46+55	0.0000	0.00	Q				
41+50	0.0000	0.00	Q					47+ 0	0.0000	0.00	Q				
41+55	0.0000	0.00	Q					47+ 5	0.0000	0.00	Q				
42+ 0	0.0000	0.00	Q					47+10	0.0000	0.00	Q				
42+ 5	0.0000	0.00	Q					47+15	0.0000	0.00	Q				
42+10	0.0000	0.00	Q					47+20	0.0000	0.00	Q				
42+15	0.0000	0.00	Q					47+25	0.0000	0.00	Q				
42+20	0.0000	0.00	Q					47+30	0.0000	0.00	Q				
42+25	0.0000	0.00	Q					47+35	0.0000	0.00	Q				
42+30	0.0000	0.00	Q					47+40	0.0000	0.00	Q				
42+35	0.0000	0.00	Q					47+45	0.0000	0.00	Q				
42+40	0.0000	0.00	Q					47+50	0.0000	0.00	Q				
42+45	0.0000	0.00	Q					47+55	0.0000	0.00	Q				
42+50	0.0000	0.00	Q					48+ 0	0.0000	0.00	Q				
42+55	0.0000	0.00	Q					48+ 5	0.0000	0.00	Q				
43+ 0	0.0000	0.00	Q					48+10	0.0000	0.00	Q				
43+ 5	0.0000	0.00	Q					48+15	0.0000	0.00	Q				
43+10	0.0000	0.00	Q					48+20	0.0000	0.00	Q				
43+15	0.0000	0.00	Q					48+25	0.0000	0.00	Q				
43+20	0.0000	0.00	Q					48+30	0.0000	0.00	Q				
43+25	0.0000	0.00	Q					48+35	0.0000	0.00	Q				
43+30	0.0000	0.00	Q					48+40	0.0000	0.00	Q				
43+35	0.0000	0.00	Q					48+45	0.0000	0.00	Q				
43+40	0.0000	0.00	Q					48+50	0.0000	0.00	Q				
43+45	0.0000	0.00	Q					48+55	0.0000	0.00	Q				
43+50	0.0000	0.00	Q					49+ 0	0.0000	0.00	Q				
43+55	0.0000	0.00	Q					49+ 5	0.0000	0.00	Q				
44+ 0	0.0000	0.00	Q					49+10	0.0000	0.00	Q				
44+ 5	0.0000	0.00	Q					49+15	0.0000	0.00	Q				
44+10	0.0000	0.00	Q					49+20	0.0000	0.00	Q				
44+15	0.0000	0.00	Q					49+25	0.0000	0.00	Q				

49+30	0.0000	0.00	Q					54+40	0.0000	0.00	Q				
49+35	0.0000	0.00	Q					54+45	0.0000	0.00	Q				
49+40	0.0000	0.00	Q					54+50	0.0000	0.00	Q				
49+45	0.0000	0.00	Q					54+55	0.0000	0.00	Q				
49+50	0.0000	0.00	Q					55+ 0	0.0000	0.00	Q				
49+55	0.0000	0.00	Q					55+ 5	0.0000	0.00	Q				
50+ 0	0.0000	0.00	Q					55+10	0.0000	0.00	Q				
50+ 5	0.0000	0.00	Q					55+15	0.0000	0.00	Q				
50+10	0.0000	0.00	Q					55+20	0.0000	0.00	Q				
50+15	0.0000	0.00	Q					55+25	0.0000	0.00	Q				
50+20	0.0000	0.00	Q					55+30	0.0000	0.00	Q				
50+25	0.0000	0.00	Q					55+35	0.0000	0.00	Q				
50+30	0.0000	0.00	Q					55+40	0.0000	0.00	Q				
50+35	0.0000	0.00	Q					55+45	0.0000	0.00	Q				
50+40	0.0000	0.00	Q					55+50	0.0000	0.00	Q				
50+45	0.0000	0.00	Q					55+55	0.0000	0.00	Q				
50+50	0.0000	0.00	Q					56+ 0	0.0000	0.00	Q				
50+55	0.0000	0.00	Q					56+ 5	0.0000	0.00	Q				
51+ 0	0.0000	0.00	Q					56+10	0.0000	0.00	Q				
51+ 5	0.0000	0.00	Q					56+15	0.0000	0.00	Q				
51+10	0.0000	0.00	Q					56+20	0.0000	0.00	Q				
51+15	0.0000	0.00	Q					56+25	0.0000	0.00	Q				
51+20	0.0000	0.00	Q					56+30	0.0000	0.00	Q				
51+25	0.0000	0.00	Q					56+35	0.0000	0.00	Q				
51+30	0.0000	0.00	Q					56+40	0.0000	0.00	Q				
51+35	0.0000	0.00	Q					56+45	0.0000	0.00	Q				
51+40	0.0000	0.00	Q					56+50	0.0000	0.00	Q				
51+45	0.0000	0.00	Q					56+55	0.0000	0.00	Q				
51+50	0.0000	0.00	Q					57+ 0	0.0000	0.00	Q				
51+55	0.0000	0.00	Q					57+ 5	0.0000	0.00	Q				
52+ 0	0.0000	0.00	Q					57+10	0.0000	0.00	Q				
52+ 5	0.0000	0.00	Q					57+15	0.0000	0.00	Q				
52+10	0.0000	0.00	Q					57+20	0.0000	0.00	Q				
52+15	0.0000	0.00	Q					57+25	0.0000	0.00	Q				
52+20	0.0000	0.00	Q					57+30	0.0000	0.00	Q				
52+25	0.0000	0.00	Q					57+35	0.0000	0.00	Q				
52+30	0.0000	0.00	Q					57+40	0.0000	0.00	Q				
52+35	0.0000	0.00	Q					57+45	0.0000	0.00	Q				
52+40	0.0000	0.00	Q					57+50	0.0000	0.00	Q				
52+45	0.0000	0.00	Q					57+55	0.0000	0.00	Q				
52+50	0.0000	0.00	Q					58+ 0	0.0000	0.00	Q				
52+55	0.0000	0.00	Q					58+ 5	0.0000	0.00	Q				
53+ 0	0.0000	0.00	Q					58+10	0.0000	0.00	Q				
53+ 5	0.0000	0.00	Q					58+15	0.0000	0.00	Q				
53+10	0.0000	0.00	Q					58+20	0.0000	0.00	Q				
53+15	0.0000	0.00	Q					58+25	0.0000	0.00	Q				
53+20	0.0000	0.00	Q					58+30	0.0000	0.00	Q				
53+25	0.0000	0.00	Q					58+35	0.0000	0.00	Q				
53+30	0.0000	0.00	Q					58+40	0.0000	0.00	Q				
53+35	0.0000	0.00	Q					58+45	0.0000	0.00	Q				
53+40	0.0000	0.00	Q					58+50	0.0000	0.00	Q				
53+45	0.0000	0.00	Q					58+55	0.0000	0.00	Q				
53+50	0.0000	0.00	Q					59+ 0	0.0000	0.00	Q				
53+55	0.0000	0.00	Q					59+ 5	0.0000	0.00	Q				
54+ 0	0.0000	0.00	Q					59+10	0.0000	0.00	Q				
54+ 5	0.0000	0.00	Q					59+15	0.0000	0.00	Q				
54+10	0.0000	0.00	Q					59+20	0.0000	0.00	Q				
54+15	0.0000	0.00	Q					59+25	0.0000	0.00	Q				
54+20	0.0000	0.00	Q					59+30	0.0000	0.00	Q				
54+25	0.0000	0.00	Q					59+35	0.0000	0.00	Q				
54+30	0.0000	0.00	Q					59+40	0.0000	0.00	Q				
54+35	0.0000	0.00	Q					59+45	0.0000	0.00	Q				

59+50	0.0000	0.00	Q					65+ 0	0.0000	0.00	Q				
59+55	0.0000	0.00	Q					65+ 5	0.0000	0.00	Q				
60+ 0	0.0000	0.00	Q					65+10	0.0000	0.00	Q				
60+ 5	0.0000	0.00	Q					65+15	0.0000	0.00	Q				
60+10	0.0000	0.00	Q					65+20	0.0000	0.00	Q				
60+15	0.0000	0.00	Q					65+25	0.0000	0.00	Q				
60+20	0.0000	0.00	Q					65+30	0.0000	0.00	Q				
60+25	0.0000	0.00	Q					65+35	0.0000	0.00	Q				
60+30	0.0000	0.00	Q					65+40	0.0000	0.00	Q				
60+35	0.0000	0.00	Q					65+45	0.0000	0.00	Q				
60+40	0.0000	0.00	Q					65+50	0.0000	0.00	Q				
60+45	0.0000	0.00	Q					65+55	0.0000	0.00	Q				
60+50	0.0000	0.00	Q					66+ 0	0.0000	0.00	Q				
60+55	0.0000	0.00	Q					66+ 5	0.0000	0.00	Q				
61+ 0	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				
61+55	0.0000	0.00	Q					67+ 5	0.0000	0.00	Q				
62+ 0	0.0000	0.00	Q					67+10	0.0000	0.00	Q				
62+ 5	0.0000	0.00	Q					67+15	0.0000	0.00	Q				
62+10	0.0000	0.00	Q					67+20	0.0000	0.00	Q				
62+15	0.0000	0.00	Q					67+25	0.0000	0.00	Q				
62+20	0.0000	0.00	Q					67+30	0.0000	0.00	Q				
62+25	0.0000	0.00	Q					67+35	0.0000	0.00	Q				
62+30	0.0000	0.00	Q					67+40	0.0000	0.00	Q				
62+35	0.0000	0.00	Q					67+45	0.0000	0.00	Q				
62+40	0.0000	0.00	Q					67+50	0.0000	0.00	Q				
62+45	0.0000	0.00	Q					67+55	0.0000	0.00	Q				
62+50	0.0000	0.00	Q					68+ 0	0.0000	0.00	Q				
62+55	0.0000	0.00	Q					68+ 5	0.0000	0.00	Q				
63+ 0	0.0000	0.00	Q					68+10	0.0000	0.00	Q				
63+ 5	0.0000	0.00	Q					68+15	0.0000	0.00	Q				
63+10	0.0000	0.00	Q					68+20	0.0000	0.00	Q				
63+15	0.0000	0.00	Q					68+25	0.0000	0.00	Q				
63+20	0.0000	0.00	Q					68+30	0.0000	0.00	Q				
63+25	0.0000	0.00	Q					68+35	0.0000	0.00	Q				
63+30	0.0000	0.00	Q					68+40	0.0000	0.00	Q				
63+35	0.0000	0.00	Q					68+45	0.0000	0.00	Q				
63+40	0.0000	0.00	Q					68+50	0.0000	0.00	Q				
63+45	0.0000	0.00	Q					68+55	0.0000	0.00	Q				
63+50	0.0000	0.00	Q					69+ 0	0.0000	0.00	Q				
63+55	0.0000	0.00	Q					69+ 5	0.0000	0.00	Q				
64+ 0	0.0000	0.00	Q					69+10	0.0000	0.00	Q				
64+ 5	0.0000	0.00	Q					69+15	0.0000	0.00	Q				
64+10	0.0000	0.00	Q					69+20	0.0000	0.00	Q				
64+15	0.0000	0.00	Q					69+25	0.0000	0.00	Q				
64+20	0.0000	0.00	Q					69+30	0.0000	0.00	Q				
64+25	0.0000	0.00	Q					69+35	0.0000	0.00	Q				
64+30	0.0000	0.00	Q					69+40	0.0000	0.00	Q				
64+35	0.0000	0.00	Q					69+45	0.0000	0.00	Q				
64+40	0.0000	0.00	Q					69+50	0.0000	0.00	Q				
64+45	0.0000	0.00	Q					69+55	0.0000	0.00	Q				
64+50	0.0000	0.00	Q					70+ 0	0.0000	0.00	Q				
64+55	0.0000	0.00	Q					70+ 5	0.0000	0.00	Q				

70+10	0.0000	0.00	Q	|	|	|	|	75+20	0.0000	0.00	Q	|	|	|	|
70+15	0.0000	0.00	Q	|	|	|	|	75+25	0.0000	0.00	Q	|	|	|	|
70+20	0.0000	0.00	Q	|	|	|	|	75+30	0.0000	0.00	Q	|	|	|	|
70+25	0.0000	0.00	Q	|	|	|	|	75+35	0.0000	0.00	Q	|	|	|	|
70+30	0.0000	0.00	Q	|	|	|	|	75+40	0.0000	0.00	Q	|	|	|	|
70+35	0.0000	0.00	Q	|	|	|	|	75+45	0.0000	0.00	Q	|	|	|	|
70+40	0.0000	0.00	Q	|	|	|	|	75+50	0.0000	0.00	Q	|	|	|	|
70+45	0.0000	0.00	Q	|	|	|	|	75+55	0.0000	0.00	Q	|	|	|	|
70+50	0.0000	0.00	Q	|	|	|	|	76+ 0	0.0000	0.00	Q	|	|	|	|
70+55	0.0000	0.00	Q	|	|	|	|	76+ 5	0.0000	0.00	Q	|	|	|	|
71+ 0	0.0000	0.00	Q	|	|	|	|	76+10	0.0000	0.00	Q	|	|	|	|
71+ 5	0.0000	0.00	Q	|	|	|	|	76+15	0.0000	0.00	Q	|	|	|	|
71+10	0.0000	0.00	Q	|	|	|	|	76+20	0.0000	0.00	Q	|	|	|	|
71+15	0.0000	0.00	Q	|	|	|	|	76+25	0.0000	0.00	Q	|	|	|	|
71+20	0.0000	0.00	Q	|	|	|	|	76+30	0.0000	0.00	Q	|	|	|	|
71+25	0.0000	0.00	Q	|	|	|	|	76+35	0.0000	0.00	Q	|	|	|	|
71+30	0.0000	0.00	Q	|	|	|	|	76+40	0.0000	0.00	Q	|	|	|	|
71+35	0.0000	0.00	Q	|	|	|	|	76+45	0.0000	0.00	Q	|	|	|	|
71+40	0.0000	0.00	Q	|	|	|	|	76+50	0.0000	0.00	Q	|	|	|	|
71+45	0.0000	0.00	Q	|	|	|	|	76+55	0.0000	0.00	Q	|	|	|	|
71+50	0.0000	0.00	Q	|	|	|	|	77+ 0	0.0000	0.00	Q	|	|	|	|
71+55	0.0000	0.00	Q	|	|	|	|	77+ 5	0.0000	0.00	Q	|	|	|	|
72+ 0	0.0000	0.00	Q	|	|	|	|	77+10	0.0000	0.00	Q	|	|	|	|
72+ 5	0.0000	0.00	Q	|	|	|	|	77+15	0.0000	0.00	Q	|	|	|	|
72+10	0.0000	0.00	Q	|	|	|	|	77+20	0.0000	0.00	Q	|	|	|	|
72+15	0.0000	0.00	Q	|	|	|	|	77+25	0.0000	0.00	Q	|	|	|	|
72+20	0.0000	0.00	Q	|	|	|	|	77+30	0.0000	0.00	Q	|	|	|	|
72+25	0.0000	0.00	Q	|	|	|	|	77+35	0.0000	0.00	Q	|	|	|	|
72+30	0.0000	0.00	Q	|	|	|	|	77+40	0.0000	0.00	Q	|	|	|	|
72+35	0.0000	0.00	Q	|	|	|	|	77+45	0.0000	0.00	Q	|	|	|	|
72+40	0.0000	0.00	Q	|	|	|	|	77+50	0.0000	0.00	Q	|	|	|	|
72+45	0.0000	0.00	Q	|	|	|	|	77+55	0.0000	0.00	Q	|	|	|	|
72+50	0.0000	0.00	Q	|	|	|	|	78+ 0	0.0000	0.00	Q	|	|	|	|
72+55	0.0000	0.00	Q	|	|	|	|	78+ 5	0.0000	0.00	Q	|	|	|	|
73+ 0	0.0000	0.00	Q	|	|	|	|	78+10	0.0000	0.00	Q	|	|	|	|
73+ 5	0.0000	0.00	Q	|	|	|	|	78+15	0.0000	0.00	Q	|	|	|	|
73+10	0.0000	0.00	Q	|	|	|	|	78+20	0.0000	0.00	Q	|	|	|	|
73+15	0.0000	0.00	Q	|	|	|	|	78+25	0.0000	0.00	Q	|	|	|	|
73+20	0.0000	0.00	Q	|	|	|	|	78+30	0.0000	0.00	Q	|	|	|	|
73+25	0.0000	0.00	Q	|	|	|	|	78+35	0.0000	0.00	Q	|	|	|	|
73+30	0.0000	0.00	Q	|	|	|	|	78+40	0.0000	0.00	Q	|	|	|	|
73+35	0.0000	0.00	Q	|	|	|	|	78+45	0.0000	0.00	Q	|	|	|	|
73+40	0.0000	0.00	Q	|	|	|	|	78+50	0.0000	0.00	Q	|	|	|	|
73+45	0.0000	0.00	Q	|	|	|	|	78+55	0.0000	0.00	Q	|	|	|	|
73+50	0.0000	0.00	Q	|	|	|	|	79+ 0	0.0000	0.00	Q	|	|	|	|
73+55	0.0000	0.00	Q	|	|	|	|	79+ 5	0.0000	0.00	Q	|	|	|	|
74+ 0	0.0000	0.00	Q	|	|	|	|	79+10	0.0000	0.00	Q	|	|	|	|
74+ 5	0.0000	0.00	Q	|	|	|	|	79+15	0.0000	0.00	Q	|	|	|	|
74+10	0.0000	0.00	Q	|	|	|	|	79+20	0.0000	0.00	Q	|	|	|	|
74+15	0.0000	0.00	Q	|	|	|	|	79+25	0.0000	0.00	Q	|	|	|	|
74+20	0.0000	0.00	Q	|	|	|	|	79+30	0.0000	0.00	Q	|	|	|	|
74+25	0.0000	0.00	Q	|	|	|	|	79+35	0.0000	0.00	Q	|	|	|	|
74+30	0.0000	0.00	Q	|	|	|	|	79+40	0.0000	0.00	Q	|	|	|	|
74+35	0.0000	0.00	Q	|	|	|	|	79+45	0.0000	0.00	Q	|	|	|	|
74+40	0.0000	0.00	Q	|	|	|	|	79+50	0.0000	0.00	Q	|	|	|	|
74+45	0.0000	0.00	Q	|	|	|	|	79+55	0.0000	0.00	Q	|	|	|	|
74+50	0.0000	0.00	Q	|	|	|	|	80+ 0	0.0000	0.00	Q	|	|	|	|
74+55	0.0000	0.00	Q	|	|	|	|	80+ 5	0.0000	0.00	Q	|	|	|	|
75+ 0	0.0000	0.00	Q	|	|	|	|	80+10	0.0000	0.00	Q	|	|	|	|
75+ 5	0.0000	0.00	Q	|	|	|	|	80+15	0.0000	0.00	Q	|	|	|	|
75+10	0.0000	0.00	Q	|	|	|	|	80+20	0.0000	0.00	Q	|	|	|	|
75+15	0.0000	0.00	Q	|	|	|	|	80+25	0.0000	0.00	Q	|	|	|	|

80+30	0.0000	0.00	Q					85+40	0.0000	0.00	Q				
80+35	0.0000	0.00	Q					85+45	0.0000	0.00	Q				
80+40	0.0000	0.00	Q					85+50	0.0000	0.00	Q				
80+45	0.0000	0.00	Q					85+55	0.0000	0.00	Q				
80+50	0.0000	0.00	Q					86+ 0	0.0000	0.00	Q				
80+55	0.0000	0.00	Q					86+ 5	0.0000	0.00	Q				
81+ 0	0.0000	0.00	Q					86+10	0.0000	0.00	Q				
81+ 5	0.0000	0.00	Q					86+15	0.0000	0.00	Q				
81+10	0.0000	0.00	Q					86+20	0.0000	0.00	Q				
81+15	0.0000	0.00	Q					86+25	0.0000	0.00	Q				
81+20	0.0000	0.00	Q					86+30	0.0000	0.00	Q				
81+25	0.0000	0.00	Q					86+35	0.0000	0.00	Q				
81+30	0.0000	0.00	Q					86+40	0.0000	0.00	Q				
81+35	0.0000	0.00	Q					86+45	0.0000	0.00	Q				
81+40	0.0000	0.00	Q					86+50	0.0000	0.00	Q				
81+45	0.0000	0.00	Q					86+55	0.0000	0.00	Q				
81+50	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q				
81+55	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q				
82+ 0	0.0000	0.00	Q					87+10	0.0000	0.00	Q				
82+ 5	0.0000	0.00	Q					87+15	0.0000	0.00	Q				
82+10	0.0000	0.00	Q					87+20	0.0000	0.00	Q				
82+15	0.0000	0.00	Q					87+25	0.0000	0.00	Q				
82+20	0.0000	0.00	Q					87+30	0.0000	0.00	Q				
82+25	0.0000	0.00	Q					87+35	0.0000	0.00	Q				
82+30	0.0000	0.00	Q					87+40	0.0000	0.00	Q				
82+35	0.0000	0.00	Q					87+45	0.0000	0.00	Q				
82+40	0.0000	0.00	Q					87+50	0.0000	0.00	Q				
82+45	0.0000	0.00	Q					87+55	0.0000	0.00	Q				
82+50	0.0000	0.00	Q					88+ 0	0.0000	0.00	Q				
82+55	0.0000	0.00	Q					88+ 5	0.0000	0.00	Q				
83+ 0	0.0000	0.00	Q					88+10	0.0000	0.00	Q				
83+ 5	0.0000	0.00	Q					88+15	0.0000	0.00	Q				
83+10	0.0000	0.00	Q					88+20	0.0000	0.00	Q				
83+15	0.0000	0.00	Q					88+25	0.0000	0.00	Q				
83+20	0.0000	0.00	Q					88+30	0.0000	0.00	Q				
83+25	0.0000	0.00	Q					88+35	0.0000	0.00	Q				
83+30	0.0000	0.00	Q					88+40	0.0000	0.00	Q				
83+35	0.0000	0.00	Q					88+45	0.0000	0.00	Q				
83+40	0.0000	0.00	Q					88+50	0.0000	0.00	Q				
83+45	0.0000	0.00	Q					88+55	0.0000	0.00	Q				
83+50	0.0000	0.00	Q					89+ 0	0.0000	0.00	Q				
83+55	0.0000	0.00	Q					89+ 5	0.0000	0.00	Q				
84+ 0	0.0000	0.00	Q					89+10	0.0000	0.00	Q				
84+ 5	0.0000	0.00	Q					89+15	0.0000	0.00	Q				
84+10	0.0000	0.00	Q					89+20	0.0000	0.00	Q				
84+15	0.0000	0.00	Q					89+25	0.0000	0.00	Q				
84+20	0.0000	0.00	Q					89+30	0.0000	0.00	Q				
84+25	0.0000	0.00	Q					89+35	0.0000	0.00	Q				
84+30	0.0000	0.00	Q					89+40	0.0000	0.00	Q				
84+35	0.0000	0.00	Q					89+45	0.0000	0.00	Q				
84+40	0.0000	0.00	Q					89+50	0.0000	0.00	Q				
84+45	0.0000	0.00	Q					89+55	0.0000	0.00	Q				
84+50	0.0000	0.00	Q					90+ 0	0.0000	0.00	Q				
84+55	0.0000	0.00	Q					90+ 5	0.0000	0.00	Q				
85+ 0	0.0000	0.00	Q					90+10	0.0000	0.00	Q				
85+ 5	0.0000	0.00	Q					90+15	0.0000	0.00	Q				
85+10	0.0000	0.00	Q					90+20	0.0000	0.00	Q				
85+15	0.0000	0.00	Q					90+25	0.0000	0.00	Q				
85+20	0.0000	0.00	Q					90+30	0.0000	0.00	Q				
85+25	0.0000	0.00	Q					90+35	0.0000	0.00	Q				
85+30	0.0000	0.00	Q					90+40	0.0000	0.00	Q				
85+35	0.0000	0.00	Q					90+45	0.0000	0.00	Q				

90+50	0.0000	0.00	Q	|	|	|	|	96+ 0	0.0000	0.00	Q	|	|	|	|
90+55	0.0000	0.00	Q	|	|	|	|	96+ 5	0.0000	0.00	Q	|	|	|	|
91+ 0	0.0000	0.00	Q	|	|	|	|	96+10	0.0000	0.00	Q	|	|	|	|
91+ 5	0.0000	0.00	Q	|	|	|	|	96+15	0.0000	0.00	Q	|	|	|	|
91+10	0.0000	0.00	Q	|	|	|	|	96+20	0.0000	0.00	Q	|	|	|	|
91+15	0.0000	0.00	Q	|	|	|	|	96+25	0.0000	0.00	Q	|	|	|	|
91+20	0.0000	0.00	Q	|	|	|	|	96+30	0.0000	0.00	Q	|	|	|	|
91+25	0.0000	0.00	Q	|	|	|	|	96+35	0.0000	0.00	Q	|	|	|	|
91+30	0.0000	0.00	Q	|	|	|	|	96+40	0.0000	0.00	Q	|	|	|	|
91+35	0.0000	0.00	Q	|	|	|	|	96+45	0.0000	0.00	Q	|	|	|	|
91+40	0.0000	0.00	Q	|	|	|	|	96+50	0.0000	0.00	Q	|	|	|	|
91+45	0.0000	0.00	Q	|	|	|	|	96+55	0.0000	0.00	Q	|	|	|	|
91+50	0.0000	0.00	Q	|	|	|	|	97+ 0	0.0000	0.00	Q	|	|	|	|
91+55	0.0000	0.00	Q	|	|	|	|	97+ 5	0.0000	0.00	Q	|	|	|	|
92+ 0	0.0000	0.00	Q	|	|	|	|	97+10	0.0000	0.00	Q	|	|	|	|
92+ 5	0.0000	0.00	Q	|	|	|	|	97+15	0.0000	0.00	Q	|	|	|	|
92+10	0.0000	0.00	Q	|	|	|	|	97+20	0.0000	0.00	Q	|	|	|	|
92+15	0.0000	0.00	Q	|	|	|	|	97+25	0.0000	0.00	Q	|	|	|	|
92+20	0.0000	0.00	Q	|	|	|	|	97+30	0.0000	0.00	Q	|	|	|	|
92+25	0.0000	0.00	Q	|	|	|	|	97+35	0.0000	0.00	Q	|	|	|	|
92+30	0.0000	0.00	Q	|	|	|	|	97+40	0.0000	0.00	Q	|	|	|	|
92+35	0.0000	0.00	Q	|	|	|	|	97+45	0.0000	0.00	Q	|	|	|	|
92+40	0.0000	0.00	Q	|	|	|	|	97+50	0.0000	0.00	Q	|	|	|	|
92+45	0.0000	0.00	Q	|	|	|	|	97+55	0.0000	0.00	Q	|	|	|	|
92+50	0.0000	0.00	Q	|	|	|	|	98+ 0	0.0000	0.00	Q	|	|	|	|
92+55	0.0000	0.00	Q	|	|	|	|	98+ 5	0.0000	0.00	Q	|	|	|	|
93+ 0	0.0000	0.00	Q	|	|	|	|	98+10	0.0000	0.00	Q	|	|	|	|
93+ 5	0.0000	0.00	Q	|	|	|	|	98+15	0.0000	0.00	Q	|	|	|	|
93+10	0.0000	0.00	Q	|	|	|	|	98+20	0.0000	0.00	Q	|	|	|	|
93+15	0.0000	0.00	Q	|	|	|	|	98+25	0.0000	0.00	Q	|	|	|	|
93+20	0.0000	0.00	Q	|	|	|	|	98+30	0.0000	0.00	Q	|	|	|	|
93+25	0.0000	0.00	Q	|	|	|	|	98+35	0.0000	0.00	Q	|	|	|	|
93+30	0.0000	0.00	Q	|	|	|	|	98+40	0.0000	0.00	Q	|	|	|	|
93+35	0.0000	0.00	Q	|	|	|	|	98+45	0.0000	0.00	Q	|	|	|	|
93+40	0.0000	0.00	Q	|	|	|	|	98+50	0.0000	0.00	Q	|	|	|	|
93+45	0.0000	0.00	Q	|	|	|	|	98+55	0.0000	0.00	Q	|	|	|	|
93+50	0.0000	0.00	Q	|	|	|	|	99+ 0	0.0000	0.00	Q	|	|	|	|
93+55	0.0000	0.00	Q	|	|	|	|	99+ 5	0.0000	0.00	Q	|	|	|	|
94+ 0	0.0000	0.00	Q	|	|	|	|	99+10	0.0000	0.00	Q	|	|	|	|
94+ 5	0.0000	0.00	Q	|	|	|	|	99+15	0.0000	0.00	Q	|	|	|	|
94+10	0.0000	0.00	Q	|	|	|	|	99+20	0.0000	0.00	Q	|	|	|	|
94+15	0.0000	0.00	Q	|	|	|	|	99+25	0.0000	0.00	Q	|	|	|	|
94+20	0.0000	0.00	Q	|	|	|	|	99+30	0.0000	0.00	Q	|	|	|	|
94+25	0.0000	0.00	Q	|	|	|	|	99+35	0.0000	0.00	Q	|	|	|	|
94+30	0.0000	0.00	Q	|	|	|	|	99+40	0.0000	0.00	Q	|	|	|	|
94+35	0.0000	0.00	Q	|	|	|	|	99+45	0.0000	0.00	Q	|	|	|	|
94+40	0.0000	0.00	Q	|	|	|	|	99+50	0.0000	0.00	Q	|	|	|	|
94+45	0.0000	0.00	Q	|	|	|	|	99+55	0.0000	0.00	Q	|	|	|	|
94+50	0.0000	0.00	Q	|	|	|	|	100+ 0	0.0000	0.00	Q	|	|	|	|
94+55	0.0000	0.00	Q	|	|	|	|	100+ 5	0.0000	0.00	Q	|	|	|	|
95+ 0	0.0000	0.00	Q	|	|	|	|	100+10	0.0000	0.00	Q	|	|	|	|
95+ 5	0.0000	0.00	Q	|	|	|	|	100+15	0.0000	0.00	Q	|	|	|	|
95+10	0.0000	0.00	Q	|	|	|	|	100+20	0.0000	0.00	Q	|	|	|	|
95+15	0.0000	0.00	Q	|	|	|	|	100+25	0.0000	0.00	Q	|	|	|	|
95+20	0.0000	0.00	Q	|	|	|	|	100+30	0.0000	0.00	Q	|	|	|	|
95+25	0.0000	0.00	Q	|	|	|	|	100+35	0.0000	0.00	Q	|	|	|	|
95+30	0.0000	0.00	Q	|	|	|	|	100+40	0.0000	0.00	Q	|	|	|	|
95+35	0.0000	0.00	Q	|	|	|	|	100+45	0.0000	0.00	Q	|	|	|	|
95+40	0.0000	0.00	Q	|	|	|	|	100+50	0.0000	0.00	Q	|	|	|	|
95+45	0.0000	0.00	Q	|	|	|	|	100+55	0.0000	0.00	Q	|	|	|	|
95+50	0.0000	0.00	Q	|	|	|	|	101+ 0	0.0000	0.00	Q	|	|	|	|
95+55	0.0000	0.00	Q	|	|	|	|	101+ 5	0.0000	0.00	Q	|	|	|	|

101+10	0.0000	0.00	Q	|	|	|	|	106+20	0.0000	0.00	Q	|	|	|	|
101+15	0.0000	0.00	Q	|	|	|	|	106+25	0.0000	0.00	Q	|	|	|	|
101+20	0.0000	0.00	Q	|	|	|	|	106+30	0.0000	0.00	Q	|	|	|	|
101+25	0.0000	0.00	Q	|	|	|	|	106+35	0.0000	0.00	Q	|	|	|	|
101+30	0.0000	0.00	Q	|	|	|	|	106+40	0.0000	0.00	Q	|	|	|	|
101+35	0.0000	0.00	Q	|	|	|	|	106+45	0.0000	0.00	Q	|	|	|	|
101+40	0.0000	0.00	Q	|	|	|	|	106+50	0.0000	0.00	Q	|	|	|	|
101+45	0.0000	0.00	Q	|	|	|	|	106+55	0.0000	0.00	Q	|	|	|	|
101+50	0.0000	0.00	Q	|	|	|	|	107+ 0	0.0000	0.00	Q	|	|	|	|
101+55	0.0000	0.00	Q	|	|	|	|	107+ 5	0.0000	0.00	Q	|	|	|	|
102+ 0	0.0000	0.00	Q	|	|	|	|	107+10	0.0000	0.00	Q	|	|	|	|
102+ 5	0.0000	0.00	Q	|	|	|	|	107+15	0.0000	0.00	Q	|	|	|	|
102+10	0.0000	0.00	Q	|	|	|	|	107+20	0.0000	0.00	Q	|	|	|	|
102+15	0.0000	0.00	Q	|	|	|	|	107+25	0.0000	0.00	Q	|	|	|	|
102+20	0.0000	0.00	Q	|	|	|	|	107+30	0.0000	0.00	Q	|	|	|	|
102+25	0.0000	0.00	Q	|	|	|	|	107+35	0.0000	0.00	Q	|	|	|	|
102+30	0.0000	0.00	Q	|	|	|	|	107+40	0.0000	0.00	Q	|	|	|	|
102+35	0.0000	0.00	Q	|	|	|	|	107+45	0.0000	0.00	Q	|	|	|	|
102+40	0.0000	0.00	Q	|	|	|	|	107+50	0.0000	0.00	Q	|	|	|	|
102+45	0.0000	0.00	Q	|	|	|	|	107+55	0.0000	0.00	Q	|	|	|	|
102+50	0.0000	0.00	Q	|	|	|	|	108+ 0	0.0000	0.00	Q	|	|	|	|
102+55	0.0000	0.00	Q	|	|	|	|	108+ 5	0.0000	0.00	Q	|	|	|	|
103+ 0	0.0000	0.00	Q	|	|	|	|	108+10	0.0000	0.00	Q	|	|	|	|
103+ 5	0.0000	0.00	Q	|	|	|	|	108+15	0.0000	0.00	Q	|	|	|	|
103+10	0.0000	0.00	Q	|	|	|	|	108+20	0.0000	0.00	Q	|	|	|	|
103+15	0.0000	0.00	Q	|	|	|	|	108+25	0.0000	0.00	Q	|	|	|	|
103+20	0.0000	0.00	Q	|	|	|	|	108+30	0.0000	0.00	Q	|	|	|	|
103+25	0.0000	0.00	Q	|	|	|	|	108+35	0.0000	0.00	Q	|	|	|	|
103+30	0.0000	0.00	Q	|	|	|	|	108+40	0.0000	0.00	Q	|	|	|	|
103+35	0.0000	0.00	Q	|	|	|	|	108+45	0.0000	0.00	Q	|	|	|	|
103+40	0.0000	0.00	Q	|	|	|	|	108+50	0.0000	0.00	Q	|	|	|	|
103+45	0.0000	0.00	Q	|	|	|	|	108+55	0.0000	0.00	Q	|	|	|	|
103+50	0.0000	0.00	Q	|	|	|	|	109+ 0	0.0000	0.00	Q	|	|	|	|
103+55	0.0000	0.00	Q	|	|	|	|	109+ 5	0.0000	0.00	Q	|	|	|	|
104+ 0	0.0000	0.00	Q	|	|	|	|	109+10	0.0000	0.00	Q	|	|	|	|
104+ 5	0.0000	0.00	Q	|	|	|	|	109+15	0.0000	0.00	Q	|	|	|	|
104+10	0.0000	0.00	Q	|	|	|	|	109+20	0.0000	0.00	Q	|	|	|	|
104+15	0.0000	0.00	Q	|	|	|	|	109+25	0.0000	0.00	Q	|	|	|	|
104+20	0.0000	0.00	Q	|	|	|	|	109+30	0.0000	0.00	Q	|	|	|	|
104+25	0.0000	0.00	Q	|	|	|	|	109+35	0.0000	0.00	Q	|	|	|	|
104+30	0.0000	0.00	Q	|	|	|	|	109+40	0.0000	0.00	Q	|	|	|	|
104+35	0.0000	0.00	Q	|	|	|	|	109+45	0.0000	0.00	Q	|	|	|	|
104+40	0.0000	0.00	Q	|	|	|	|	109+50	0.0000	0.00	Q	|	|	|	|
104+45	0.0000	0.00	Q	|	|	|	|	109+55	0.0000	0.00	Q	|	|	|	|
104+50	0.0000	0.00	Q	|	|	|	|	110+ 0	0.0000	0.00	Q	|	|	|	|
104+55	0.0000	0.00	Q	|	|	|	|	110+ 5	0.0000	0.00	Q	|	|	|	|
105+ 0	0.0000	0.00	Q	|	|	|	|	110+10	0.0000	0.00	Q	|	|	|	|
105+ 5	0.0000	0.00	Q	|	|	|	|	110+15	0.0000	0.00	Q	|	|	|	|
105+10	0.0000	0.00	Q	|	|	|	|	110+20	0.0000	0.00	Q	|	|	|	|
105+15	0.0000	0.00	Q	|	|	|	|	110+25	0.0000	0.00	Q	|	|	|	|
105+20	0.0000	0.00	Q	|	|	|	|	110+30	0.0000	0.00	Q	|	|	|	|
105+25	0.0000	0.00	Q	|	|	|	|	110+35	0.0000	0.00	Q	|	|	|	|
105+30	0.0000	0.00	Q	|	|	|	|	110+40	0.0000	0.00	Q	|	|	|	|
105+35	0.0000	0.00	Q	|	|	|	|	110+45	0.0000	0.00	Q	|	|	|	|
105+40	0.0000	0.00	Q	|	|	|	|	110+50	0.0000	0.00	Q	|	|	|	|
105+45	0.0000	0.00	Q	|	|	|	|	110+55	0.0000	0.00	Q	|	|	|	|
105+50	0.0000	0.00	Q	|	|	|	|	111+ 0	0.0000	0.00	Q	|	|	|	|
105+55	0.0000	0.00	Q	|	|	|	|	111+ 5	0.0000	0.00	Q	|	|	|	|
106+ 0	0.0000	0.00	Q	|	|	|	|	111+10	0.0000	0.00	Q	|	|	|	|
106+ 5	0.0000	0.00	Q	|	|	|	|	111+15	0.0000	0.00	Q	|	|	|	|
106+10	0.0000	0.00	Q	|	|	|	|	111+20	0.0000	0.00	Q	|	|	|	|
106+15	0.0000	0.00	Q	|	|	|	|	111+25	0.0000	0.00	Q	|	|	|	|

111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				
113+35	0.0000	0.00	Q					118+45	0.0000	0.00	Q				
113+40	0.0000	0.00	Q					118+50	0.0000	0.00	Q				
113+45	0.0000	0.00	Q					118+55	0.0000	0.00	Q				
113+50	0.0000	0.00	Q					119+ 0	0.0000	0.00	Q				
113+55	0.0000	0.00	Q					119+ 5	0.0000	0.00	Q				
114+ 0	0.0000	0.00	Q					119+10	0.0000	0.00	Q				
114+ 5	0.0000	0.00	Q					119+15	0.0000	0.00	Q				
114+10	0.0000	0.00	Q					119+20	0.0000	0.00	Q				
114+15	0.0000	0.00	Q					119+25	0.0000	0.00	Q				
114+20	0.0000	0.00	Q					119+30	0.0000	0.00	Q				
114+25	0.0000	0.00	Q					119+35	0.0000	0.00	Q				
114+30	0.0000	0.00	Q					119+40	0.0000	0.00	Q				
114+35	0.0000	0.00	Q					119+45	0.0000	0.00	Q				
114+40	0.0000	0.00	Q					119+50	0.0000	0.00	Q				
114+45	0.0000	0.00	Q					119+55	0.0000	0.00	Q				
114+50	0.0000	0.00	Q					120+ 0	0.0000	0.00	Q				
114+55	0.0000	0.00	Q					120+ 5	0.0000	0.00	Q				
115+ 0	0.0000	0.00	Q					120+10	0.0000	0.00	Q				
115+ 5	0.0000	0.00	Q					120+15	0.0000	0.00	Q				
115+10	0.0000	0.00	Q					120+20	0.0000	0.00	Q				
115+15	0.0000	0.00	Q					120+25	0.0000	0.00	Q				
115+20	0.0000	0.00	Q					120+30	0.0000	0.00	Q				
115+25	0.0000	0.00	Q					120+35	0.0000	0.00	Q				
115+30	0.0000	0.00	Q					120+40	0.0000	0.00	Q				
115+35	0.0000	0.00	Q					120+45	0.0000	0.00	Q				
115+40	0.0000	0.00	Q					120+50	0.0000	0.00	Q				
115+45	0.0000	0.00	Q					120+55	0.0000	0.00	Q				
115+50	0.0000	0.00	Q					121+ 0	0.0000	0.00	Q				
115+55	0.0000	0.00	Q					121+ 5	0.0000	0.00	Q				
116+ 0	0.0000	0.00	Q					121+10	0.0000	0.00	Q				
116+ 5	0.0000	0.00	Q					121+15	0.0000	0.00	Q				
116+10	0.0000	0.00	Q					121+20	0.0000	0.00	Q				
116+15	0.0000	0.00	Q					121+25	0.0000	0.00	Q				
116+20	0.0000	0.00	Q					121+30	0.0000	0.00	Q				
116+25	0.0000	0.00	Q					121+35	0.0000	0.00	Q				
116+30	0.0000	0.00	Q					121+40	0.0000	0.00	Q				
116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				

121+50	0.0000	0.00	Q	|	|	|	|	127+ 0	0.0000	0.00	Q	|	|	|	|
121+55	0.0000	0.00	Q	|	|	|	|	127+ 5	0.0000	0.00	Q	|	|	|	|
122+ 0	0.0000	0.00	Q	|	|	|	|	127+10	0.0000	0.00	Q	|	|	|	|
122+ 5	0.0000	0.00	Q	|	|	|	|	127+15	0.0000	0.00	Q	|	|	|	|
122+10	0.0000	0.00	Q	|	|	|	|	127+20	0.0000	0.00	Q	|	|	|	|
122+15	0.0000	0.00	Q	|	|	|	|	127+25	0.0000	0.00	Q	|	|	|	|
122+20	0.0000	0.00	Q	|	|	|	|	127+30	0.0000	0.00	Q	|	|	|	|
122+25	0.0000	0.00	Q	|	|	|	|	127+35	0.0000	0.00	Q	|	|	|	|
122+30	0.0000	0.00	Q	|	|	|	|	127+40	0.0000	0.00	Q	|	|	|	|
122+35	0.0000	0.00	Q	|	|	|	|	127+45	0.0000	0.00	Q	|	|	|	|
122+40	0.0000	0.00	Q	|	|	|	|	127+50	0.0000	0.00	Q	|	|	|	|
122+45	0.0000	0.00	Q	|	|	|	|	127+55	0.0000	0.00	Q	|	|	|	|
122+50	0.0000	0.00	Q	|	|	|	|	128+ 0	0.0000	0.00	Q	|	|	|	|
122+55	0.0000	0.00	Q	|	|	|	|	128+ 5	0.0000	0.00	Q	|	|	|	|
123+ 0	0.0000	0.00	Q	|	|	|	|	128+10	0.0000	0.00	Q	|	|	|	|
123+ 5	0.0000	0.00	Q	|	|	|	|	128+15	0.0000	0.00	Q	|	|	|	|
123+10	0.0000	0.00	Q	|	|	|	|	128+20	0.0000	0.00	Q	|	|	|	|
123+15	0.0000	0.00	Q	|	|	|	|	128+25	0.0000	0.00	Q	|	|	|	|
123+20	0.0000	0.00	Q	|	|	|	|	128+30	0.0000	0.00	Q	|	|	|	|
123+25	0.0000	0.00	Q	|	|	|	|	128+35	0.0000	0.00	Q	|	|	|	|
123+30	0.0000	0.00	Q	|	|	|	|	128+40	0.0000	0.00	Q	|	|	|	|
123+35	0.0000	0.00	Q	|	|	|	|	128+45	0.0000	0.00	Q	|	|	|	|
123+40	0.0000	0.00	Q	|	|	|	|	128+50	0.0000	0.00	Q	|	|	|	|
123+45	0.0000	0.00	Q	|	|	|	|	128+55	0.0000	0.00	Q	|	|	|	|
123+50	0.0000	0.00	Q	|	|	|	|	129+ 0	0.0000	0.00	Q	|	|	|	|
123+55	0.0000	0.00	Q	|	|	|	|	129+ 5	0.0000	0.00	Q	|	|	|	|
124+ 0	0.0000	0.00	Q	|	|	|	|	129+10	0.0000	0.00	Q	|	|	|	|
124+ 5	0.0000	0.00	Q	|	|	|	|	129+15	0.0000	0.00	Q	|	|	|	|
124+10	0.0000	0.00	Q	|	|	|	|	129+20	0.0000	0.00	Q	|	|	|	|
124+15	0.0000	0.00	Q	|	|	|	|	129+25	0.0000	0.00	Q	|	|	|	|
124+20	0.0000	0.00	Q	|	|	|	|	129+30	0.0000	0.00	Q	|	|	|	|
124+25	0.0000	0.00	Q	|	|	|	|	129+35	0.0000	0.00	Q	|	|	|	|
124+30	0.0000	0.00	Q	|	|	|	|	129+40	0.0000	0.00	Q	|	|	|	|
124+35	0.0000	0.00	Q	|	|	|	|	129+45	0.0000	0.00	Q	|	|	|	|
124+40	0.0000	0.00	Q	|	|	|	|	129+50	0.0000	0.00	Q	|	|	|	|
124+45	0.0000	0.00	Q	|	|	|	|	129+55	0.0000	0.00	Q	|	|	|	|
124+50	0.0000	0.00	Q	|	|	|	|	130+ 0	0.0000	0.00	Q	|	|	|	|
124+55	0.0000	0.00	Q	|	|	|	|	130+ 5	0.0000	0.00	Q	|	|	|	|
125+ 0	0.0000	0.00	Q	|	|	|	|	130+10	0.0000	0.00	Q	|	|	|	|
125+ 5	0.0000	0.00	Q	|	|	|	|	130+15	0.0000	0.00	Q	|	|	|	|
125+10	0.0000	0.00	Q	|	|	|	|	130+20	0.0000	0.00	Q	|	|	|	|
125+15	0.0000	0.00	Q	|	|	|	|	130+25	0.0000	0.00	Q	|	|	|	|
125+20	0.0000	0.00	Q	|	|	|	|	130+30	0.0000	0.00	Q	|	|	|	|
125+25	0.0000	0.00	Q	|	|	|	|	130+35	0.0000	0.00	Q	|	|	|	|
125+30	0.0000	0.00	Q	|	|	|	|	130+40	0.0000	0.00	Q	|	|	|	|
125+35	0.0000	0.00	Q	|	|	|	|	130+45	0.0000	0.00	Q	|	|	|	|
125+40	0.0000	0.00	Q	|	|	|	|	130+50	0.0000	0.00	Q	|	|	|	|
125+45	0.0000	0.00	Q	|	|	|	|	130+55	0.0000	0.00	Q	|	|	|	|
125+50	0.0000	0.00	Q	|	|	|	|	131+ 0	0.0000	0.00	Q	|	|	|	|
125+55	0.0000	0.00	Q	|	|	|	|	131+ 5	0.0000	0.00	Q	|	|	|	|
126+ 0	0.0000	0.00	Q	|	|	|	|	131+10	0.0000	0.00	Q	|	|	|	|
126+ 5	0.0000	0.00	Q	|	|	|	|	131+15	0.0000	0.00	Q	|	|	|	|
126+10	0.0000	0.00	Q	|	|	|	|	131+20	0.0000	0.00	Q	|	|	|	|
126+15	0.0000	0.00	Q	|	|	|	|	131+25	0.0000	0.00	Q	|	|	|	|
126+20	0.0000	0.00	Q	|	|	|	|	131+30	0.0000	0.00	Q	|	|	|	|
126+25	0.0000	0.00	Q	|	|	|	|	131+35	0.0000	0.00	Q	|	|	|	|
126+30	0.0000	0.00	Q	|	|	|	|	131+40	0.0000	0.00	Q	|	|	|	|
126+35	0.0000	0.00	Q	|	|	|	|	131+45	0.0000	0.00	Q	|	|	|	|
126+40	0.0000	0.00	Q	|	|	|	|	131+50	0.0000	0.00	Q	|	|	|	|
126+45	0.0000	0.00	Q	|	|	|	|	131+55	0.0000	0.00	Q	|	|	|	|
126+50	0.0000	0.00	Q	|	|	|	|	132+ 0	0.0000	0.00	Q	|	|	|	|
126+55	0.0000	0.00	Q	|	|	|	|	132+ 5	0.0000	0.00	Q	|	|	|	|

132+10	0.0000	0.00	Q				
132+15	0.0000	0.00	Q				
132+20	0.0000	0.00	Q				
132+25	0.0000	0.00	Q				
132+30	0.0000	0.00	Q				
132+35	0.0000	0.00	Q				
132+40	0.0000	0.00	Q				
132+45	0.0000	0.00	Q				
132+50	0.0000	0.00	Q				
132+55	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q				
133+10	0.0000	0.00	Q				
133+15	0.0000	0.00	Q				
133+20	0.0000	0.00	Q				
133+25	0.0000	0.00	Q				
133+30	0.0000	0.00	Q				
133+35	0.0000	0.00	Q				
133+40	0.0000	0.00	Q				
133+45	0.0000	0.00	Q				
133+50	0.0000	0.00	Q				
133+55	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q				
134+10	0.0000	0.00	Q				
134+15	0.0000	0.00	Q				
134+20	0.0000	0.00	Q				
134+25	0.0000	0.00	Q				
134+30	0.0000	0.00	Q				
134+35	0.0000	0.00	Q				
134+40	0.0000	0.00	Q				
134+45	0.0000	0.00	Q				
134+50	0.0000	0.00	Q				
134+55	0.0000	0.00	Q				
135+ 0	0.0000	0.00	Q				
135+ 5	0.0000	0.00	Q				
135+10	0.0000	0.00	Q				
135+15	0.0000	0.00	Q				
135+20	0.0000	0.00	Q				
135+25	0.0000	0.00	Q				
135+30	0.0000	0.00	Q				
135+35	0.0000	0.00	Q				
135+40	0.0000	0.00	Q				
135+45	0.0000	0.00	Q				
135+50	0.0000	0.00	Q				
135+55	0.0000	0.00	Q				
136+ 0	0.0000	0.00	Q				
136+ 5	0.0000	0.00	Q				
136+10	0.0000	0.00	Q				
136+15	0.0000	0.00	Q				
136+20	0.0000	0.00	Q				
136+25	0.0000	0.00	Q				
136+30	0.0000	0.00	Q				
136+35	0.0000	0.00	Q				
136+40	0.0000	0.00	Q				
136+45	0.0000	0.00	Q				
136+50	0.0000	0.00	Q				
136+55	0.0000	0.00	Q				
137+ 0	0.0000	0.00	Q				
137+ 5	0.0000	0.00	Q				
137+10	0.0000	0.00	Q				
137+15	0.0000	0.00	Q				
137+20	0.0000	0.00	Q				
137+25	0.0000	0.00	Q				
137+30	0.0000	0.00	Q				
137+35	0.0000	0.00	Q				
137+40	0.0000	0.00	Q				
137+45	0.0000	0.00	Q				
137+50	0.0000	0.00	Q				
137+55	0.0000	0.00	Q				
138+ 0	0.0000	0.00	Q				
138+ 5	0.0000	0.00	Q				
138+10	0.0000	0.00	Q				
138+15	0.0000	0.00	Q				
138+20	0.0000	0.00	Q				
138+25	0.0000	0.00	Q				
138+30	0.0000	0.00	Q				
138+35	0.0000	0.00	Q				
138+40	0.0000	0.00	Q				
138+45	0.0000	0.00	Q				
138+50	0.0000	0.00	Q				
138+55	0.0000	0.00	Q				
139+ 0	0.0000	0.00	Q				
139+ 5	0.0000	0.00	Q				
139+10	0.0000	0.00	Q				
139+15	0.0000	0.00	Q				
139+20	0.0000	0.00	Q				
139+25	0.0000	0.00	Q				
139+30	0.0000	0.00	Q				
139+35	0.0000	0.00	Q				
139+40	0.0000	0.00	Q				
139+45	0.0000	0.00	Q				
139+50	0.0000	0.00	Q				
139+55	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 3403
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 37.229 (CFS)
Total volume = 8.341 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

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                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                    Study date: 02/16/24

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MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 24 HOUR
AREAS 9A, 9B & 9C
2/09/24
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP9A10024100.rte
**************************HYDROGRAPH DATA**************************
                Number of intervals =   293
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       16.483 (CFS)
                Total volume =       9.238 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.000 to Point/Station        9.100
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 293
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  0.500      0.052      0.310      0.051        0.053
  1.000      0.113      0.450      0.111        0.115
  1.500      0.184      0.560      0.182        0.186
  2.000      0.266      0.650      0.264        0.268
  2.500      0.360      0.730      0.357        0.363
  3.000      0.466      0.810      0.463        0.469
  3.500      0.586      0.870      0.583        0.589
  4.000      0.721      0.930      0.718        0.724
  4.500      0.881      0.990      0.878        0.884
  5.000      1.059      1.050      1.055        1.063
  5.500      1.247      1.100      1.243        1.251
  6.000      1.455      1.150      1.451        1.459
  6.500      1.685      1.190      1.681        1.689
  7.000      1.938      1.240      1.934        1.942
  7.500      2.218      1.280      2.214        2.222
  8.000      2.525      1.330      2.520        2.530
  8.500      2.868     13.380      2.822        2.914
  9.000      3.257     35.380      3.135        3.379
------------------------------------------------------------------------
                    Hydrograph Detention Basin Routing
------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                    Depth
(Hours) (CFS)   (CFS)     (Ac.Ft) .0       4.1    8.24   12.36   16.48 (Ft.)
 0.083   0.20    0.00      0.001  O       |      |      |      |      0.01
 0.167   0.63    0.02      0.003  OI      |      |      |      |      0.03
 0.250   0.73    0.05      0.008  OI      |      |      |      |      0.08
 0.333   0.86    0.08      0.013  OI      |      |      |      |      0.12
 0.417   1.08    0.11      0.019  O I     |      |      |      |      0.18
 0.500   1.13    0.15      0.026  O I     |      |      |      |      0.25
 0.583   1.15    0.19      0.032  O I     |      |      |      |      0.31
 0.667   1.15    0.23      0.039  O I     |      |      |      |      0.37
 0.750   1.15    0.27      0.045  O I     |      |      |      |      0.43
 0.833   1.25    0.31      0.051  O I     |      |      |      |      0.49
 0.917   1.46    0.32      0.058  O I     |      |      |      |      0.55
 1.000   1.52    0.34      0.066  O I     |      |      |      |      0.62
 1.083   1.43    0.36      0.074  O I     |      |      |      |      0.68
 1.167   1.22    0.38      0.081  O I     |      |      |      |      0.74
 1.250   1.17    0.39      0.086  O I     |      |      |      |      0.78
 1.333   1.16    0.40      0.092  O I     |      |      |      |      0.82
 1.417   1.15    0.41      0.097  O I     |      |      |      |      0.87
 1.500   1.15    0.42      0.102  O I     |      |      |      |      0.91
 1.583   1.15    0.44      0.107  O I     |      |      |      |      0.95
 1.667   1.15    0.45      0.112  O I     |      |      |      |      0.99
 1.750   1.15    0.46      0.116  O I     |      |      |      |      1.02
 1.833   1.25    0.46      0.122  O I     |      |      |      |      1.06
 1.917   1.46    0.47      0.128  O I     |      |      |      |      1.10
 2.000   1.52    0.48      0.135  O I     |      |      |      |      1.15
 2.083   1.53    0.49      0.142  O I     |      |      |      |      1.20
 2.167   1.53    0.51      0.149  O I     |      |      |      |      1.25
 2.250   1.53    0.52      0.156  |OI     |      |      |      |      1.30
 2.333   1.53    0.53      0.163  |OI     |      |      |      |      1.35
 2.417   1.53    0.54      0.170  |OI     |      |      |      |      1.40
 2.500   1.53    0.55      0.177  |OI     |      |      |      |      1.45
 2.583   1.64    0.56      0.184  |O I    |      |      |      |      1.50
 2.667   1.85    0.57      0.192  |O I    |      |      |      |      1.55
 2.750   1.90    0.58      0.201  |O I    |      |      |      |      1.60
 2.833   1.91    0.59      0.210  |O I    |      |      |      |      1.66
 2.917   1.92    0.60      0.219  |O I    |      |      |      |      1.71
 3.000   1.92    0.61      0.228  |O I    |      |      |      |      1.77
 3.083   1.92    0.62      0.237  |O I    |      |      |      |      1.82
 3.167   1.92    0.63      0.246  |O I    |      |      |      |      1.88
 3.250   1.92    0.64      0.255  |O I    |      |      |      |      1.93
 3.333   1.92    0.65      0.264  |O I    |      |      |      |      1.99
 3.417   1.92    0.66      0.272  |O I    |      |      |      |      2.03
```

3.500	1.92	0.66	0.281	O I					2.08	8.667	7.09	1.15	1.468	O		I			6.03
3.583	1.92	0.67	0.290	O I					2.13	8.750	7.16	1.16	1.509	O		I			6.12
3.667	1.92	0.68	0.298	O I					2.17	8.833	7.31	1.17	1.551	O		I			6.21
3.750	1.92	0.68	0.307	O I					2.22	8.917	7.60	1.17	1.594	O		I			6.30
3.833	2.02	0.69	0.316	O I					2.26	9.000	7.67	1.18	1.639	O		I			6.40
3.917	2.23	0.70	0.325	O I					2.32	9.083	7.96	1.19	1.684	O		I			6.50
4.000	2.28	0.71	0.336	O I					2.37	9.167	8.53	1.20	1.733	O		I			6.59
4.083	2.30	0.72	0.347	O I					2.43	9.250	8.67	1.21	1.784	O		I			6.70
4.167	2.30	0.73	0.358	O I					2.49	9.333	8.85	1.22	1.836	O		I			6.80
4.250	2.30	0.74	0.369	O I					2.54	9.417	9.14	1.23	1.889	O		I			6.90
4.333	2.40	0.74	0.380	O I					2.59	9.500	9.21	1.24	1.944	O		I			7.01
4.417	2.62	0.75	0.392	O I					2.65	9.583	9.37	1.25	1.999	O		I			7.11
4.500	2.67	0.76	0.405	O I					2.71	9.667	9.66	1.26	2.056	O		I			7.21
4.583	2.68	0.77	0.418	O I					2.77	9.750	9.73	1.27	2.114	O		I			7.31
4.667	2.68	0.78	0.431	O I					2.83	9.833	9.89	1.27	2.173	O		I			7.42
4.750	2.68	0.79	0.444	O I					2.90	9.917	10.17	1.28	2.233	O		I			7.53
4.833	2.79	0.80	0.457	O I					2.96	10.000	10.25	1.29	2.295	O		I			7.63
4.917	3.00	0.81	0.472	O I					3.02	10.083	9.33	1.30	2.353	O		I			7.72
5.000	3.05	0.82	0.487	O I					3.09	10.167	7.38	1.31	2.402	O		I			7.80
5.083	2.86	0.83	0.502	O I					3.15	10.250	6.91	1.32	2.442	O		I			7.87
5.167	2.44	0.83	0.514	O I					3.20	10.333	6.80	1.32	2.480	O		I			7.93
5.250	2.34	0.84	0.525	O I					3.24	10.417	6.77	1.33	2.518	O		I			7.99
5.333	2.41	0.84	0.535	O I					3.29	10.500	6.76	2.28	2.552	O		I			8.04
5.417	2.62	0.85	0.547	O I					3.34	10.583	7.44	3.32	2.582	O		I			8.08
5.500	2.67	0.86	0.559	O I					3.39	10.667	8.84	4.36	2.611	O		I			8.13
5.583	2.78	0.86	0.572	O I					3.44	10.750	9.18	5.36	2.640	O		I			8.17
5.667	3.00	0.87	0.586	O I					3.50	10.833	9.27	6.20	2.664	O		I			8.20
5.750	3.05	0.88	0.601	O I					3.55	10.917	9.30	6.86	2.682	O		I			8.23
5.833	3.06	0.88	0.616	O I					3.61	11.000	9.31	7.39	2.697	O		I			8.25
5.917	3.07	0.89	0.631	O I					3.67	11.083	9.18	7.79	2.709	O		I			8.27
6.000	3.07	0.90	0.646	O I					3.72	11.167	8.90	8.06	2.717	O		I			8.28
6.083	3.19	0.90	0.661	O I					3.78	11.250	8.84	8.23	2.722	O		I			8.29
6.167	3.43	0.91	0.678	O I					3.84	11.333	8.83	8.36	2.725	O		I			8.29
6.250	3.50	0.92	0.695	O I					3.90	11.417	8.82	8.46	2.728	O		I			8.30
6.333	3.52	0.93	0.713	O I					3.97	11.500	8.83	8.54	2.730	O		I			8.30
6.417	3.52	0.93	0.731	O I					4.03	11.583	8.56	8.57	2.731	O		I			8.30
6.500	3.53	0.94	0.749	O I					4.09	11.667	8.01	8.51	2.729	O		I			8.30
6.583	3.67	0.95	0.767	O I					4.14	11.750	7.87	8.39	2.726	O		I			8.29
6.667	3.95	0.95	0.787	O I					4.21	11.833	7.98	8.29	2.723	O		I			8.29
6.750	4.02	0.96	0.807	O I					4.27	11.917	8.25	8.25	2.722	O		I			8.29
6.833	4.05	0.97	0.829	O I					4.34	12.000	8.32	8.26	2.722	O		I			8.29
6.917	4.06	0.98	0.850	O I					4.40	12.083	9.28	8.38	2.726	O		I			8.29
7.000	4.06	0.99	0.871	O I					4.47	12.167	11.24	8.78	2.737	O		I			8.31
7.083	4.07	0.99	0.892	O I					4.53	12.250	11.73	9.37	2.754	O		I			8.33
7.167	4.07	1.00	0.913	O I					4.59	12.333	11.98	9.90	2.769	O		I			8.36
7.250	4.07	1.01	0.934	O I					4.65	12.417	12.30	10.39	2.783	O		I			8.38
7.333	4.21	1.02	0.956	O I					4.71	12.500	12.38	10.81	2.795	O		I			8.39
7.417	4.50	1.02	0.979	O I					4.78	12.583	12.67	11.18	2.805	O		I			8.41
7.500	4.57	1.03	1.003	O I					4.84	12.667	13.24	11.56	2.816	O		I			8.42
7.583	4.73	1.04	1.028	O I					4.91	12.750	13.38	11.94	2.827	O		I			8.44
7.667	5.01	1.05	1.054	O I					4.99	12.833	13.55	12.27	2.836	O		I			8.45
7.750	5.09	1.06	1.082	O I					5.06	12.917	13.84	12.58	2.845	O		I			8.47
7.833	5.24	1.06	1.110	O I					5.14	13.000	13.92	12.86	2.853	O		I			8.48
7.917	5.53	1.07	1.140	O I					5.22	13.083	14.61	13.16	2.862	O		I			8.49
8.000	5.61	1.08	1.171	O I					5.30	13.167	16.01	13.75	2.875	O		I			8.51
8.083	5.90	1.09	1.203	O I					5.38	13.250	16.36	14.54	2.889	O		I			8.53
8.167	6.46	1.10	1.238	O I					5.48	13.333	16.44	15.15	2.899	O		I			8.54
8.250	6.60	1.11	1.275	O I					5.57	13.417	16.47	15.58	2.907	O		I			8.55
8.333	6.64	1.12	1.313	O I					5.66	13.500	16.48	15.87	2.912	O		I			8.56
8.417	6.66	1.13	1.351	O I					5.75	13.583	15.01	15.83	2.911	O		I			8.56
8.500	6.66	1.13	1.390	O I					5.84	13.667	11.94	15.06	2.898	O		I			8.54
8.583	6.80	1.14	1.428	O I					5.94	13.750	11.20	13.92	2.878	O		I			8.51

13.833	11.02	13.13	2.861	|	|	|	I |O	|	8.49	19.000	0.78	1.33	2.520	|IO	|	|	|	|	7.99
13.917	10.97	12.67	2.848	|	|	|	I O	|	8.47	19.083	0.87	1.33	2.517	|IO	|	|	|	|	7.99
14.000	10.95	12.30	2.837	|	|	|	I O|	|	8.46	19.167	1.08	1.33	2.514	| O	|	|	|	|	7.98
14.083	11.49	12.07	2.831	|	|	|	IO|	|	8.45	19.250	1.13	1.33	2.513	| O	|	|	|	|	7.98
14.167	12.61	12.06	2.831	|	|	|	OI	|	8.45	19.333	1.25	1.33	2.512	| O	|	|	|	|	7.98
14.250	12.89	12.21	2.835	|	|	|	O|I	|	8.45	19.417	1.47	1.33	2.512	| O	|	|	|	|	7.98
14.333	12.82	12.35	2.839	|	|	|	OI	|	8.46	19.500	1.53	1.33	2.513	| O	|	|	|	|	7.98
14.417	12.57	12.43	2.841	|	|	|	O	|	8.46	19.583	1.44	1.33	2.514	| O	|	|	|	|	7.98
14.500	12.51	12.45	2.842	|	|	|	O	|	8.46	19.667	1.22	1.33	2.514	| O	|	|	|	|	7.98
14.583	12.50	12.46	2.842	|	|	|	O	|	8.46	19.750	1.17	1.33	2.513	| O	|	|	|	|	7.98
14.667	12.49	12.47	2.842	|	|	|	O	|	8.46	19.833	1.05	1.33	2.512	| O	|	|	|	|	7.98
14.750	12.50	12.47	2.842	|	|	|	O	|	8.46	19.917	0.84	1.33	2.509	|IO	|	|	|	|	7.97
14.833	12.36	12.46	2.842	|	|	|	O	|	8.46	20.000	0.78	1.33	2.506	|IO	|	|	|	|	7.97
14.917	12.09	12.41	2.840	|	|	|	IO	|	8.46	20.083	0.87	1.33	2.502	|IO	|	|	|	|	7.96
15.000	12.02	12.34	2.838	|	|	|	O|	|	8.46	20.167	1.08	1.33	2.500	| O	|	|	|	|	7.96
15.083	11.88	12.25	2.836	|	|	|	O|	|	8.45	20.250	1.13	1.33	2.498	| O	|	|	|	|	7.96
15.167	11.60	12.14	2.833	|	|	|	IO|	|	8.45	20.333	1.15	1.33	2.497	| O	|	|	|	|	7.95
15.250	11.53	12.02	2.829	|	|	|	IO|	|	8.44	20.417	1.15	1.33	2.496	| O	|	|	|	|	7.95
15.333	11.38	11.89	2.826	|	|	|	IO|	|	8.44	20.500	1.15	1.33	2.495	| O	|	|	|	|	7.95
15.417	11.10	11.75	2.822	|	|	|	IO |	|	8.43	20.583	1.15	1.32	2.493	| O	|	|	|	|	7.95
15.500	11.03	11.61	2.817	|	|	|	IO |	|	8.43	20.667	1.15	1.32	2.492	| O	|	|	|	|	7.95
15.583	10.48	11.42	2.812	|	|	|	I O |	|	8.42	20.750	1.15	1.32	2.491	| O	|	|	|	|	7.94
15.667	9.36	11.10	2.803	|	|	| I	O |	|	8.41	20.833	1.05	1.32	2.489	| O	|	|	|	|	7.94
15.750	9.09	10.70	2.792	|	|	|I	O |	|	8.39	20.917	0.84	1.32	2.487	|IO	|	|	|	|	7.94
15.833	9.03	10.34	2.782	|	|	|I	O |	|	8.37	21.000	0.78	1.32	2.483	|IO	|	|	|	|	7.93
15.917	9.01	10.06	2.773	|	|	|I O	|	|	8.36	21.083	0.87	1.32	2.480	|IO	|	|	|	|	7.93
16.000	9.01	9.83	2.767	|	|	|I O	|	|	8.35	21.167	1.08	1.32	2.478	| O	|	|	|	|	7.92
16.083	7.02	9.44	2.756	|	| I	| O	|	|	8.34	21.250	1.13	1.32	2.476	| O	|	|	|	|	7.92
16.167	2.89	8.47	2.728	| I	|	O	|	|	8.30	21.333	1.04	1.32	2.474	| O	|	|	|	|	7.92
16.250	1.88	7.16	2.691	| I	| O	|	|	|	8.24	21.417	0.84	1.32	2.472	|IO	|	|	|	|	7.91
16.333	1.63	5.99	2.658	| I	| O	|	|	|	8.19	21.500	0.78	1.32	2.468	|IO	|	|	|	|	7.91
16.417	1.56	5.04	2.631	| I	|O	|	|	|	8.15	21.583	0.87	1.32	2.465	|IO	|	|	|	|	7.90
16.500	1.53	4.29	2.609	| I	O	|	|	|	8.12	21.667	1.08	1.32	2.463	| O	|	|	|	|	7.90
16.583	1.43	3.68	2.592	| I	O|	|	|	|	8.10	21.750	1.13	1.32	2.461	| O	|	|	|	|	7.90
16.667	1.22	3.17	2.577	| I	O |	|	|	|	8.08	21.833	1.04	1.32	2.460	| O	|	|	|	|	7.89
16.750	1.17	2.75	2.565	| I	O |	|	|	|	8.06	21.917	0.84	1.32	2.457	|IO	|	|	|	|	7.89
16.833	1.16	2.40	2.556	| I	O |	|	|	|	8.04	22.000	0.78	1.32	2.453	|IO	|	|	|	|	7.88
16.917	1.15	2.13	2.548	| I	O |	|	|	|	8.03	22.083	0.87	1.32	2.450	|IO	|	|	|	|	7.88
17.000	1.15	1.92	2.542	| I	O |	|	|	|	8.02	22.167	1.08	1.32	2.448	| O	|	|	|	|	7.87
17.083	1.37	1.78	2.538	| I	O |	|	|	|	8.02	22.250	1.13	1.32	2.446	| O	|	|	|	|	7.87
17.167	1.83	1.74	2.537	| O	|	|	|	|	8.02	22.333	1.04	1.32	2.445	| O	|	|	|	|	7.87
17.250	1.95	1.77	2.538	| O	|	|	|	|	8.02	22.417	0.84	1.32	2.442	|IO	|	|	|	|	7.86
17.333	1.98	1.81	2.539	| O	|	|	|	|	8.02	22.500	0.78	1.32	2.439	|IO	|	|	|	|	7.86
17.417	1.99	1.85	2.540	| O	|	|	|	|	8.02	22.583	0.77	1.32	2.435	|IO	|	|	|	|	7.85
17.500	2.00	1.88	2.541	| O	|	|	|	|	8.02	22.667	0.77	1.31	2.431	|IO	|	|	|	|	7.85
17.583	2.00	1.91	2.541	| O	|	|	|	|	8.02	22.750	0.77	1.31	2.427	|IO	|	|	|	|	7.84
17.667	2.00	1.93	2.542	| O	|	|	|	|	8.02	22.833	0.77	1.31	2.424	|IO	|	|	|	|	7.83
17.750	2.00	1.94	2.542	| O	|	|	|	|	8.03	22.917	0.77	1.31	2.420	|IO	|	|	|	|	7.83
17.833	1.88	1.94	2.542	| O	|	|	|	|	8.03	23.000	0.77	1.31	2.416	|IO	|	|	|	|	7.82
17.917	1.62	1.90	2.541	| O	|	|	|	|	8.02	23.083	0.77	1.31	2.412	|IO	|	|	|	|	7.82
18.000	1.56	1.83	2.539	| O	|	|	|	|	8.02	23.167	0.77	1.31	2.409	|IO	|	|	|	|	7.81
18.083	1.54	1.77	2.538	| IO	|	|	|	|	8.02	23.250	0.77	1.31	2.405	|IO	|	|	|	|	7.80
18.167	1.54	1.72	2.536	| IO	|	|	|	|	8.02	23.333	0.77	1.31	2.401	|IO	|	|	|	|	7.80
18.250	1.53	1.68	2.535	| IO	|	|	|	|	8.01	23.417	0.77	1.31	2.397	|IO	|	|	|	|	7.79
18.333	1.53	1.65	2.534	| IO	|	|	|	|	8.01	23.500	0.77	1.31	2.394	|IO	|	|	|	|	7.79
18.417	1.53	1.62	2.533	| IO	|	|	|	|	8.01	23.583	0.77	1.31	2.390	|IO	|	|	|	|	7.78
18.500	1.53	1.60	2.533	| IO	|	|	|	|	8.01	23.667	0.77	1.31	2.386	|IO	|	|	|	|	7.77
18.583	1.43	1.58	2.532	| IO	|	|	|	|	8.01	23.750	0.77	1.31	2.382	|IO	|	|	|	|	7.77
18.667	1.22	1.52	2.531	| O	|	|	|	|	8.01	23.833	0.77	1.31	2.379	|IO	|	|	|	|	7.76
18.750	1.17	1.45	2.528	| O	|	|	|	|	8.01	23.917	0.77	1.31	2.375	|IO	|	|	|	|	7.76
18.833	1.05	1.38	2.526	| O	|	|	|	|	8.00	24.000	0.77	1.30	2.371	|IO	|	|	|	|	7.75
18.917	0.84	1.33	2.524	|IO	|	|	|	|	8.00	24.083	0.56	1.30	2.367	|IO	|	|	|	|	7.74

24.167	0.14	1.30	2.360	I O	|	|	|	|	7.73	29.333	0.00	1.22	1.823	I O	|	|	|	|	6.77
24.250	0.04	1.30	2.352	I O	|	|	|	|	7.72	29.417	0.00	1.22	1.814	I O	|	|	|	|	6.76
24.333	0.01	1.30	2.343	I O	|	|	|	|	7.70	29.500	0.00	1.21	1.806	I O	|	|	|	|	6.74
24.417	0.00	1.30	2.334	I O	|	|	|	|	7.69	29.583	0.00	1.21	1.798	I O	|	|	|	|	6.72
24.500	0.00	1.30	2.325	I O	|	|	|	|	7.67	29.667	0.00	1.21	1.789	I O	|	|	|	|	6.71
24.583	0.00	1.30	2.316	I O	|	|	|	|	7.66	29.750	0.00	1.21	1.781	I O	|	|	|	|	6.69
24.667	0.00	1.29	2.307	I O	|	|	|	|	7.65	29.833	0.00	1.21	1.773	I O	|	|	|	|	6.67
24.750	0.00	1.29	2.299	I O	|	|	|	|	7.63	29.917	0.00	1.21	1.764	I O	|	|	|	|	6.66
24.833	0.00	1.29	2.290	I O	|	|	|	|	7.62	30.000	0.00	1.20	1.756	I O	|	|	|	|	6.64
24.917	0.00	1.29	2.281	I O	|	|	|	|	7.60	30.083	0.00	1.20	1.748	I O	|	|	|	|	6.62
25.000	0.00	1.29	2.272	I O	|	|	|	|	7.59	30.167	0.00	1.20	1.739	I O	|	|	|	|	6.61
25.083	0.00	1.29	2.263	I O	|	|	|	|	7.57	30.250	0.00	1.20	1.731	I O	|	|	|	|	6.59
25.167	0.00	1.29	2.254	I O	|	|	|	|	7.56	30.333	0.00	1.20	1.723	I O	|	|	|	|	6.57
25.250	0.00	1.28	2.245	I O	|	|	|	|	7.54	30.417	0.00	1.20	1.715	I O	|	|	|	|	6.56
25.333	0.00	1.28	2.236	I O	|	|	|	|	7.53	30.500	0.00	1.19	1.706	I O	|	|	|	|	6.54
25.417	0.00	1.28	2.228	I O	|	|	|	|	7.52	30.583	0.00	1.19	1.698	I O	|	|	|	|	6.53
25.500	0.00	1.28	2.219	I O	|	|	|	|	7.50	30.667	0.00	1.19	1.690	I O	|	|	|	|	6.51
25.583	0.00	1.28	2.210	I O	|	|	|	|	7.49	30.750	0.00	1.19	1.682	I O	|	|	|	|	6.49
25.667	0.00	1.28	2.201	I O	|	|	|	|	7.47	30.833	0.00	1.19	1.674	I O	|	|	|	|	6.48
25.750	0.00	1.28	2.192	I O	|	|	|	|	7.45	30.917	0.00	1.19	1.665	I O	|	|	|	|	6.46
25.833	0.00	1.28	2.184	I O	|	|	|	|	7.44	31.000	0.00	1.19	1.657	I O	|	|	|	|	6.44
25.917	0.00	1.27	2.175	I O	|	|	|	|	7.42	31.083	0.00	1.18	1.649	I O	|	|	|	|	6.42
26.000	0.00	1.27	2.166	I O	|	|	|	|	7.41	31.167	0.00	1.18	1.641	I O	|	|	|	|	6.40
26.083	0.00	1.27	2.157	I O	|	|	|	|	7.39	31.250	0.00	1.18	1.633	I O	|	|	|	|	6.39
26.167	0.00	1.27	2.149	I O	|	|	|	|	7.38	31.333	0.00	1.18	1.625	I O	|	|	|	|	6.37
26.250	0.00	1.27	2.140	I O	|	|	|	|	7.36	31.417	0.00	1.18	1.617	I O	|	|	|	|	6.35
26.333	0.00	1.27	2.131	I O	|	|	|	|	7.34	31.500	0.00	1.18	1.608	I O	|	|	|	|	6.33
26.417	0.00	1.27	2.122	I O	|	|	|	|	7.33	31.583	0.00	1.18	1.600	I O	|	|	|	|	6.32
26.500	0.00	1.27	2.114	I O	|	|	|	|	7.31	31.667	0.00	1.17	1.592	I O	|	|	|	|	6.30
26.583	0.00	1.26	2.105	I O	|	|	|	|	7.30	31.750	0.00	1.17	1.584	I O	|	|	|	|	6.28
26.667	0.00	1.26	2.096	I O	|	|	|	|	7.28	31.833	0.00	1.17	1.576	I O	|	|	|	|	6.26
26.750	0.00	1.26	2.088	I O	|	|	|	|	7.27	31.917	0.00	1.17	1.568	I O	|	|	|	|	6.25
26.833	0.00	1.26	2.079	I O	|	|	|	|	7.25	32.000	0.00	1.17	1.560	I O	|	|	|	|	6.23
26.917	0.00	1.26	2.070	I O	|	|	|	|	7.24	32.083	0.00	1.17	1.552	I O	|	|	|	|	6.21
27.000	0.00	1.26	2.062	I O	|	|	|	|	7.22	32.167	0.00	1.17	1.544	I O	|	|	|	|	6.19
27.083	0.00	1.26	2.053	I O	|	|	|	|	7.21	32.250	0.00	1.16	1.536	I O	|	|	|	|	6.18
27.167	0.00	1.26	2.044	I O	|	|	|	|	7.19	32.333	0.00	1.16	1.528	I O	|	|	|	|	6.16
27.250	0.00	1.25	2.036	I O	|	|	|	|	7.17	32.417	0.00	1.16	1.520	I O	|	|	|	|	6.14
27.333	0.00	1.25	2.027	I O	|	|	|	|	7.16	32.500	0.00	1.16	1.512	I O	|	|	|	|	6.12
27.417	0.00	1.25	2.018	I O	|	|	|	|	7.14	32.583	0.00	1.16	1.504	I O	|	|	|	|	6.11
27.500	0.00	1.25	2.010	I O	|	|	|	|	7.13	32.667	0.00	1.16	1.496	I O	|	|	|	|	6.09
27.583	0.00	1.25	2.001	I O	|	|	|	|	7.11	32.750	0.00	1.16	1.488	I O	|	|	|	|	6.07
27.667	0.00	1.25	1.993	I O	|	|	|	|	7.10	32.833	0.00	1.15	1.480	I O	|	|	|	|	6.05
27.750	0.00	1.25	1.984	I O	|	|	|	|	7.08	32.917	0.00	1.15	1.472	I O	|	|	|	|	6.04
27.833	0.00	1.25	1.975	I O	|	|	|	|	7.07	33.000	0.00	1.15	1.464	I O	|	|	|	|	6.02
27.917	0.00	1.24	1.967	I O	|	|	|	|	7.05	33.083	0.00	1.15	1.456	I O	|	|	|	|	6.00
28.000	0.00	1.24	1.958	I O	|	|	|	|	7.04	33.167	0.00	1.15	1.448	I O	|	|	|	|	5.98
28.083	0.00	1.24	1.950	I O	|	|	|	|	7.02	33.250	0.00	1.15	1.440	I O	|	|	|	|	5.96
28.167	0.00	1.24	1.941	I O	|	|	|	|	7.01	33.333	0.00	1.14	1.432	I O	|	|	|	|	5.95
28.250	0.00	1.24	1.933	I O	|	|	|	|	6.99	33.417	0.00	1.14	1.425	I O	|	|	|	|	5.93
28.333	0.00	1.24	1.924	I O	|	|	|	|	6.97	33.500	0.00	1.14	1.417	I O	|	|	|	|	5.91
28.417	0.00	1.24	1.916	I O	|	|	|	|	6.96	33.583	0.00	1.14	1.409	I O	|	|	|	|	5.89
28.500	0.00	1.23	1.907	I O	|	|	|	|	6.94	33.667	0.00	1.14	1.401	I O	|	|	|	|	5.87
28.583	0.00	1.23	1.899	I O	|	|	|	|	6.92	33.750	0.00	1.14	1.393	I O	|	|	|	|	5.85
28.667	0.00	1.23	1.890	I O	|	|	|	|	6.91	33.833	0.00	1.13	1.385	I O	|	|	|	|	5.83
28.750	0.00	1.23	1.882	I O	|	|	|	|	6.89	33.917	0.00	1.13	1.378	I O	|	|	|	|	5.81
28.833	0.00	1.23	1.873	I O	|	|	|	|	6.87	34.000	0.00	1.13	1.370	I O	|	|	|	|	5.80
28.917	0.00	1.23	1.865	I O	|	|	|	|	6.86	34.083	0.00	1.13	1.362	I O	|	|	|	|	5.78
29.000	0.00	1.22	1.856	I O	|	|	|	|	6.84	34.167	0.00	1.13	1.354	I O	|	|	|	|	5.76
29.083	0.00	1.22	1.848	I O	|	|	|	|	6.82	34.250	0.00	1.12	1.347	I O	|	|	|	|	5.74
29.167	0.00	1.22	1.839	I O	|	|	|	|	6.81	34.333	0.00	1.12	1.339	I O	|	|	|	|	5.72
29.250	0.00	1.22	1.831	I O	|	|	|	|	6.79	34.417	0.00	1.12	1.331	I O	|	|	|	|	5.70

34.500	0.00	1.12	1.323	I O	|	|	|	|	5.68	39.667	0.00	0.99	0.872	IO	|	|	|	|	4.47
34.583	0.00	1.12	1.316	I O	|	|	|	|	5.67	39.750	0.00	0.98	0.866	IO	|	|	|	|	4.45
34.667	0.00	1.11	1.308	I O	|	|	|	|	5.65	39.833	0.00	0.98	0.859	IO	|	|	|	|	4.43
34.750	0.00	1.11	1.300	I O	|	|	|	|	5.63	39.917	0.00	0.98	0.852	IO	|	|	|	|	4.41
34.833	0.00	1.11	1.293	I O	|	|	|	|	5.61	40.000	0.00	0.98	0.845	IO	|	|	|	|	4.39
34.917	0.00	1.11	1.285	I O	|	|	|	|	5.59	40.083	0.00	0.97	0.839	IO	|	|	|	|	4.37
35.000	0.00	1.11	1.277	I O	|	|	|	|	5.57	40.167	0.00	0.97	0.832	IO	|	|	|	|	4.35
35.083	0.00	1.11	1.270	I O	|	|	|	|	5.55	40.250	0.00	0.97	0.825	IO	|	|	|	|	4.33
35.167	0.00	1.10	1.262	I O	|	|	|	|	5.54	40.333	0.00	0.97	0.819	IO	|	|	|	|	4.31
35.250	0.00	1.10	1.255	I O	|	|	|	|	5.52	40.417	0.00	0.96	0.812	IO	|	|	|	|	4.28
35.333	0.00	1.10	1.247	I O	|	|	|	|	5.50	40.500	0.00	0.96	0.805	IO	|	|	|	|	4.26
35.417	0.00	1.10	1.239	I O	|	|	|	|	5.48	40.583	0.00	0.96	0.799	IO	|	|	|	|	4.24
35.500	0.00	1.10	1.232	I O	|	|	|	|	5.46	40.667	0.00	0.96	0.792	IO	|	|	|	|	4.22
35.583	0.00	1.09	1.224	I O	|	|	|	|	5.44	40.750	0.00	0.95	0.786	IO	|	|	|	|	4.20
35.667	0.00	1.09	1.217	I O	|	|	|	|	5.42	40.833	0.00	0.95	0.779	IO	|	|	|	|	4.18
35.750	0.00	1.09	1.209	I O	|	|	|	|	5.40	40.917	0.00	0.95	0.772	IO	|	|	|	|	4.16
35.833	0.00	1.09	1.202	I O	|	|	|	|	5.38	41.000	0.00	0.95	0.766	IO	|	|	|	|	4.14
35.917	0.00	1.09	1.194	I O	|	|	|	|	5.36	41.083	0.00	0.94	0.759	IO	|	|	|	|	4.12
36.000	0.00	1.08	1.187	I O	|	|	|	|	5.34	41.167	0.00	0.94	0.753	IO	|	|	|	|	4.10
36.083	0.00	1.08	1.179	I O	|	|	|	|	5.32	41.250	0.00	0.94	0.746	IO	|	|	|	|	4.08
36.167	0.00	1.08	1.172	I O	|	|	|	|	5.30	41.333	0.00	0.94	0.740	IO	|	|	|	|	4.06
36.250	0.00	1.08	1.164	I O	|	|	|	|	5.28	41.417	0.00	0.93	0.734	IO	|	|	|	|	4.04
36.333	0.00	1.08	1.157	I O	|	|	|	|	5.26	41.500	0.00	0.93	0.727	IO	|	|	|	|	4.02
36.417	0.00	1.07	1.150	I O	|	|	|	|	5.24	41.583	0.00	0.93	0.721	IO	|	|	|	|	4.00
36.500	0.00	1.07	1.142	I O	|	|	|	|	5.22	41.667	0.00	0.93	0.714	IO	|	|	|	|	3.98
36.583	0.00	1.07	1.135	I O	|	|	|	|	5.20	41.750	0.00	0.92	0.708	IO	|	|	|	|	3.95
36.667	0.00	1.07	1.128	I O	|	|	|	|	5.18	41.833	0.00	0.92	0.702	IO	|	|	|	|	3.93
36.750	0.00	1.07	1.120	I O	|	|	|	|	5.16	41.917	0.00	0.92	0.695	IO	|	|	|	|	3.90
36.833	0.00	1.06	1.113	I O	|	|	|	|	5.14	42.000	0.00	0.92	0.689	IO	|	|	|	|	3.88
36.917	0.00	1.06	1.106	I O	|	|	|	|	5.12	42.083	0.00	0.91	0.683	IO	|	|	|	|	3.86
37.000	0.00	1.06	1.098	I O	|	|	|	|	5.10	42.167	0.00	0.91	0.676	IO	|	|	|	|	3.83
37.083	0.00	1.06	1.091	I O	|	|	|	|	5.08	42.250	0.00	0.91	0.670	IO	|	|	|	|	3.81
37.167	0.00	1.06	1.084	I O	|	|	|	|	5.07	42.333	0.00	0.90	0.664	IO	|	|	|	|	3.79
37.250	0.00	1.05	1.076	I O	|	|	|	|	5.05	42.417	0.00	0.90	0.658	IO	|	|	|	|	3.77
37.333	0.00	1.05	1.069	I O	|	|	|	|	5.03	42.500	0.00	0.90	0.651	IO	|	|	|	|	3.74
37.417	0.00	1.05	1.062	I O	|	|	|	|	5.01	42.583	0.00	0.90	0.645	IO	|	|	|	|	3.72
37.500	0.00	1.05	1.055	I O	|	|	|	|	4.99	42.667	0.00	0.89	0.639	IO	|	|	|	|	3.70
37.583	0.00	1.05	1.047	I O	|	|	|	|	4.97	42.750	0.00	0.89	0.633	IO	|	|	|	|	3.67
37.667	0.00	1.04	1.040	I O	|	|	|	|	4.95	42.833	0.00	0.89	0.627	IO	|	|	|	|	3.65
37.750	0.00	1.04	1.033	I O	|	|	|	|	4.93	42.917	0.00	0.89	0.621	IO	|	|	|	|	3.63
37.833	0.00	1.04	1.026	I O	|	|	|	|	4.91	43.000	0.00	0.88	0.615	IO	|	|	|	|	3.61
37.917	0.00	1.04	1.019	I O	|	|	|	|	4.89	43.083	0.00	0.88	0.609	IO	|	|	|	|	3.58
38.000	0.00	1.03	1.012	I O	|	|	|	|	4.87	43.167	0.00	0.88	0.602	IO	|	|	|	|	3.56
38.083	0.00	1.03	1.004	I O	|	|	|	|	4.85	43.250	0.00	0.87	0.596	IO	|	|	|	|	3.54
38.167	0.00	1.03	0.997	IO	|	|	|	|	4.83	43.333	0.00	0.87	0.590	IO	|	|	|	|	3.52
38.250	0.00	1.03	0.990	IO	|	|	|	|	4.81	43.417	0.00	0.87	0.584	IO	|	|	|	|	3.49
38.333	0.00	1.02	0.983	IO	|	|	|	|	4.79	43.500	0.00	0.87	0.578	IO	|	|	|	|	3.47
38.417	0.00	1.02	0.976	IO	|	|	|	|	4.77	43.583	0.00	0.86	0.573	IO	|	|	|	|	3.44
38.500	0.00	1.02	0.969	IO	|	|	|	|	4.75	43.667	0.00	0.86	0.567	IO	|	|	|	|	3.42
38.583	0.00	1.02	0.962	IO	|	|	|	|	4.73	43.750	0.00	0.86	0.561	IO	|	|	|	|	3.39
38.667	0.00	1.01	0.955	IO	|	|	|	|	4.71	43.833	0.00	0.85	0.555	IO	|	|	|	|	3.37
38.750	0.00	1.01	0.948	IO	|	|	|	|	4.69	43.917	0.00	0.85	0.549	IO	|	|	|	|	3.35
38.833	0.00	1.01	0.941	IO	|	|	|	|	4.67	44.000	0.00	0.85	0.543	IO	|	|	|	|	3.32
38.917	0.00	1.01	0.934	IO	|	|	|	|	4.65	44.083	0.00	0.85	0.537	IO	|	|	|	|	3.30
39.000	0.00	1.01	0.927	IO	|	|	|	|	4.63	44.167	0.00	0.84	0.531	IO	|	|	|	|	3.27
39.083	0.00	1.00	0.920	IO	|	|	|	|	4.61	44.250	0.00	0.84	0.526	IO	|	|	|	|	3.25
39.167	0.00	1.00	0.914	IO	|	|	|	|	4.59	44.333	0.00	0.84	0.520	IO	|	|	|	|	3.22
39.250	0.00	1.00	0.907	IO	|	|	|	|	4.57	44.417	0.00	0.83	0.514	IO	|	|	|	|	3.20
39.333	0.00	1.00	0.900	IO	|	|	|	|	4.55	44.500	0.00	0.83	0.508	IO	|	|	|	|	3.18
39.417	0.00	0.99	0.893	IO	|	|	|	|	4.53	44.583	0.00	0.83	0.503	IO	|	|	|	|	3.15
39.500	0.00	0.99	0.886	IO	|	|	|	|	4.51	44.667	0.00	0.83	0.497	IO	|	|	|	|	3.13
39.583	0.00	0.99	0.879	IO	|	|	|	|	4.49	44.750	0.00	0.82	0.491	IO	|	|	|	|	3.11

44.833	0.00	0.82	0.486	IO					3.08	50.000	0.00	0.56	0.188	IO					1.52
44.917	0.00	0.82	0.480	IO					3.06	50.083	0.00	0.56	0.184	IO					1.50
45.000	0.00	0.81	0.474	IO					3.03	50.167	0.00	0.55	0.180	IO					1.47
45.083	0.00	0.81	0.469	IO					3.01	50.250	0.00	0.55	0.176	IO					1.45
45.167	0.00	0.81	0.463	IO					2.99	50.333	0.00	0.54	0.173	IO					1.42
45.250	0.00	0.80	0.458	IO					2.96	50.417	0.00	0.54	0.169	IO					1.39
45.333	0.00	0.80	0.452	IO					2.93	50.500	0.00	0.53	0.165	IO					1.37
45.417	0.00	0.80	0.447	IO					2.91	50.583	0.00	0.53	0.162	IO					1.34
45.500	0.00	0.79	0.441	IO					2.88	50.667	0.00	0.52	0.158	IO					1.32
45.583	0.00	0.79	0.436	IO					2.86	50.750	0.00	0.51	0.154	O					1.29
45.667	0.00	0.78	0.430	IO					2.83	50.833	0.00	0.51	0.151	O					1.27
45.750	0.00	0.78	0.425	IO					2.81	50.917	0.00	0.50	0.147	O					1.24
45.833	0.00	0.77	0.420	IO					2.78	51.000	0.00	0.50	0.144	O					1.22
45.917	0.00	0.77	0.414	IO					2.76	51.083	0.00	0.49	0.141	O					1.19
46.000	0.00	0.77	0.409	IO					2.73	51.167	0.00	0.49	0.137	O					1.17
46.083	0.00	0.76	0.404	IO					2.71	51.250	0.00	0.48	0.134	O					1.15
46.167	0.00	0.76	0.398	IO					2.68	51.333	0.00	0.48	0.131	O					1.12
46.250	0.00	0.76	0.393	IO					2.66	51.417	0.00	0.47	0.127	O					1.10
46.333	0.00	0.75	0.388	IO					2.63	51.500	0.00	0.47	0.124	O					1.08
46.417	0.00	0.75	0.383	IO					2.61	51.583	0.00	0.46	0.121	O					1.06
46.500	0.00	0.74	0.378	IO					2.58	51.667	0.00	0.46	0.118	O					1.03
46.583	0.00	0.74	0.373	IO					2.56	51.750	0.00	0.45	0.115	O					1.01
46.667	0.00	0.74	0.368	IO					2.54	51.833	0.00	0.45	0.111	O					0.99
46.750	0.00	0.73	0.363	IO					2.51	51.917	0.00	0.44	0.108	O					0.96
46.833	0.00	0.73	0.357	IO					2.49	52.000	0.00	0.43	0.105	O					0.94
46.917	0.00	0.72	0.352	IO					2.46	52.083	0.00	0.43	0.102	O					0.91
47.000	0.00	0.72	0.348	IO					2.43	52.167	0.00	0.42	0.100	O					0.89
47.083	0.00	0.72	0.343	IO					2.41	52.250	0.00	0.41	0.097	O					0.87
47.167	0.00	0.71	0.338	IO					2.38	52.333	0.00	0.41	0.094	O					0.84
47.250	0.00	0.71	0.333	IO					2.36	52.417	0.00	0.40	0.091	O					0.82
47.333	0.00	0.70	0.328	IO					2.33	52.500	0.00	0.39	0.088	O					0.80
47.417	0.00	0.70	0.323	IO					2.30	52.583	0.00	0.39	0.086	O					0.78
47.500	0.00	0.69	0.318	IO					2.28	52.667	0.00	0.38	0.083	O					0.75
47.583	0.00	0.69	0.314	IO					2.25	52.750	0.00	0.38	0.080	O					0.73
47.667	0.00	0.69	0.309	IO					2.23	52.833	0.00	0.37	0.078	O					0.71
47.750	0.00	0.68	0.304	IO					2.20	52.917	0.00	0.36	0.075	O					0.69
47.833	0.00	0.68	0.299	IO					2.18	53.000	0.00	0.36	0.073	O					0.67
47.917	0.00	0.67	0.295	IO					2.15	53.083	0.00	0.35	0.070	O					0.65
48.000	0.00	0.67	0.290	IO					2.13	53.167	0.00	0.35	0.068	O					0.63
48.083	0.00	0.67	0.285	IO					2.10	53.250	0.00	0.34	0.066	O					0.61
48.167	0.00	0.66	0.281	IO					2.08	53.333	0.00	0.34	0.063	O					0.59
48.250	0.00	0.66	0.276	IO					2.06	53.417	0.00	0.33	0.061	O					0.57
48.333	0.00	0.65	0.272	IO					2.03	53.500	0.00	0.33	0.059	O					0.56
48.417	0.00	0.65	0.267	IO					2.01	53.583	0.00	0.32	0.057	O					0.54
48.500	0.00	0.65	0.263	IO					1.98	53.667	0.00	0.32	0.054	O					0.52
48.583	0.00	0.64	0.258	IO					1.95	53.750	0.00	0.31	0.052	O					0.50
48.667	0.00	0.64	0.254	IO					1.93	53.833	0.00	0.30	0.050	O					0.48
48.750	0.00	0.63	0.250	IO					1.90	53.917	0.00	0.29	0.048	O					0.46
48.833	0.00	0.63	0.245	IO					1.87	54.000	0.00	0.28	0.046	O					0.44
48.917	0.00	0.62	0.241	IO					1.85	54.083	0.00	0.26	0.044	O					0.43
49.000	0.00	0.62	0.237	IO					1.82	54.167	0.00	0.25	0.043	O					0.41
49.083	0.00	0.61	0.233	IO					1.80	54.250	0.00	0.24	0.041	O					0.39
49.167	0.00	0.61	0.228	IO					1.77	54.333	0.00	0.23	0.039	O					0.38
49.250	0.00	0.60	0.224	IO					1.74	54.417	0.00	0.22	0.038	O					0.36
49.333	0.00	0.60	0.220	IO					1.72	54.500	0.00	0.22	0.036	O					0.35
49.417	0.00	0.59	0.216	IO					1.69	54.583	0.00	0.21	0.035	O					0.33
49.500	0.00	0.59	0.212	IO					1.67	54.667	0.00	0.20	0.033	O					0.32
49.583	0.00	0.59	0.208	IO					1.64	54.750	0.00	0.19	0.032	O					0.31
49.667	0.00	0.58	0.204	IO					1.62	54.833	0.00	0.18	0.031	O					0.29
49.750	0.00	0.58	0.200	IO					1.60	54.917	0.00	0.18	0.029	O					0.28
49.833	0.00	0.57	0.196	IO					1.57	55.000	0.00	0.17	0.028	O					0.27
49.917	0.00	0.57	0.192	IO					1.55	55.083	0.00	0.16	0.027	O					0.26

55.167	0.00	0.15	0.026	O	|	|	|	|	0.25	60.333	0.00	0.01	0.002	O	|	|	|	|	0.02
55.250	0.00	0.15	0.025	O	|	|	|	|	0.24	60.417	0.00	0.01	0.002	O	|	|	|	|	0.02
55.333	0.00	0.14	0.024	O	|	|	|	|	0.23	60.500	0.00	0.01	0.002	O	|	|	|	|	0.02
55.417	0.00	0.14	0.023	O	|	|	|	|	0.22	60.583	0.00	0.01	0.002	O	|	|	|	|	0.02
55.500	0.00	0.13	0.022	O	|	|	|	|	0.21	60.667	0.00	0.01	0.002	O	|	|	|	|	0.02
55.583	0.00	0.13	0.021	O	|	|	|	|	0.20	60.750	0.00	0.01	0.002	O	|	|	|	|	0.02
55.667	0.00	0.12	0.020	O	|	|	|	|	0.20	60.833	0.00	0.01	0.002	O	|	|	|	|	0.02
55.750	0.00	0.12	0.019	O	|	|	|	|	0.19	60.917	0.00	0.01	0.002	O	|	|	|	|	0.01
55.833	0.00	0.11	0.019	O	|	|	|	|	0.18	61.000	0.00	0.01	0.001	O	|	|	|	|	0.01
55.917	0.00	0.11	0.018	O	|	|	|	|	0.17	61.083	0.00	0.01	0.001	O	|	|	|	|	0.01
56.000	0.00	0.10	0.017	O	|	|	|	|	0.17	61.167	0.00	0.01	0.001	O	|	|	|	|	0.01
56.083	0.00	0.10	0.017	O	|	|	|	|	0.16	61.250	0.00	0.01	0.001	O	|	|	|	|	0.01
56.167	0.00	0.09	0.016	O	|	|	|	|	0.15	61.333	0.00	0.01	0.001	O	|	|	|	|	0.01
56.250	0.00	0.09	0.015	O	|	|	|	|	0.15	61.417	0.00	0.01	0.001	O	|	|	|	|	0.01
56.333	0.00	0.09	0.015	O	|	|	|	|	0.14	61.500	0.00	0.01	0.001	O	|	|	|	|	0.01
56.417	0.00	0.08	0.014	O	|	|	|	|	0.13	61.583	0.00	0.01	0.001	O	|	|	|	|	0.01
56.500	0.00	0.08	0.013	O	|	|	|	|	0.13	61.667	0.00	0.01	0.001	O	|	|	|	|	0.01
56.583	0.00	0.08	0.013	O	|	|	|	|	0.12	61.750	0.00	0.01	0.001	O	|	|	|	|	0.01
56.667	0.00	0.07	0.012	O	|	|	|	|	0.12	61.833	0.00	0.01	0.001	O	|	|	|	|	0.01
56.750	0.00	0.07	0.012	O	|	|	|	|	0.11	61.917	0.00	0.01	0.001	O	|	|	|	|	0.01
56.833	0.00	0.07	0.011	O	|	|	|	|	0.11	62.000	0.00	0.01	0.001	O	|	|	|	|	0.01
56.917	0.00	0.07	0.011	O	|	|	|	|	0.11	62.083	0.00	0.01	0.001	O	|	|	|	|	0.01
57.000	0.00	0.06	0.011	O	|	|	|	|	0.10	62.167	0.00	0.00	0.001	O	|	|	|	|	0.01
57.083	0.00	0.06	0.010	O	|	|	|	|	0.10	62.250	0.00	0.00	0.001	O	|	|	|	|	0.01
57.167	0.00	0.06	0.010	O	|	|	|	|	0.09	62.333	0.00	0.00	0.001	O	|	|	|	|	0.01
57.250	0.00	0.06	0.009	O	|	|	|	|	0.09	62.417	0.00	0.00	0.001	O	|	|	|	|	0.01
57.333	0.00	0.05	0.009	O	|	|	|	|	0.09	62.500	0.00	0.00	0.001	O	|	|	|	|	0.01
57.417	0.00	0.05	0.009	O	|	|	|	|	0.08	62.583	0.00	0.00	0.001	O	|	|	|	|	0.01
57.500	0.00	0.05	0.008	O	|	|	|	|	0.08	62.667	0.00	0.00	0.001	O	|	|	|	|	0.01
57.583	0.00	0.05	0.008	O	|	|	|	|	0.08	62.750	0.00	0.00	0.001	O	|	|	|	|	0.01
57.667	0.00	0.05	0.008	O	|	|	|	|	0.07	62.833	0.00	0.00	0.001	O	|	|	|	|	0.01
57.750	0.00	0.04	0.007	O	|	|	|	|	0.07	62.917	0.00	0.00	0.001	O	|	|	|	|	0.01
57.833	0.00	0.04	0.007	O	|	|	|	|	0.07	63.000	0.00	0.00	0.001	O	|	|	|	|	0.01
57.917	0.00	0.04	0.007	O	|	|	|	|	0.06	63.083	0.00	0.00	0.001	O	|	|	|	|	0.01
58.000	0.00	0.04	0.006	O	|	|	|	|	0.06	63.167	0.00	0.00	0.001	O	|	|	|	|	0.00
58.083	0.00	0.04	0.006	O	|	|	|	|	0.06	63.250	0.00	0.00	0.000	O	|	|	|	|	0.00
58.167	0.00	0.04	0.006	O	|	|	|	|	0.06	63.333	0.00	0.00	0.000	O	|	|	|	|	0.00
58.250	0.00	0.03	0.006	O	|	|	|	|	0.05	63.417	0.00	0.00	0.000	O	|	|	|	|	0.00
58.333	0.00	0.03	0.005	O	|	|	|	|	0.05	63.500	0.00	0.00	0.000	O	|	|	|	|	0.00
58.417	0.00	0.03	0.005	O	|	|	|	|	0.05	63.583	0.00	0.00	0.000	O	|	|	|	|	0.00
58.500	0.00	0.03	0.005	O	|	|	|	|	0.05	63.667	0.00	0.00	0.000	O	|	|	|	|	0.00
58.583	0.00	0.03	0.005	O	|	|	|	|	0.05	63.750	0.00	0.00	0.000	O	|	|	|	|	0.00
58.667	0.00	0.03	0.005	O	|	|	|	|	0.04	63.833	0.00	0.00	0.000	O	|	|	|	|	0.00
58.750	0.00	0.03	0.004	O	|	|	|	|	0.04	63.917	0.00	0.00	0.000	O	|	|	|	|	0.00
58.833	0.00	0.03	0.004	O	|	|	|	|	0.04	64.000	0.00	0.00	0.000	O	|	|	|	|	0.00
58.917	0.00	0.02	0.004	O	|	|	|	|	0.04	64.083	0.00	0.00	0.000	O	|	|	|	|	0.00
59.000	0.00	0.02	0.004	O	|	|	|	|	0.04	64.167	0.00	0.00	0.000	O	|	|	|	|	0.00
59.083	0.00	0.02	0.004	O	|	|	|	|	0.04	64.250	0.00	0.00	0.000	O	|	|	|	|	0.00
59.167	0.00	0.02	0.004	O	|	|	|	|	0.03	64.333	0.00	0.00	0.000	O	|	|	|	|	0.00
59.250	0.00	0.02	0.003	O	|	|	|	|	0.03	64.417	0.00	0.00	0.000	O	|	|	|	|	0.00
59.333	0.00	0.02	0.003	O	|	|	|	|	0.03	64.500	0.00	0.00	0.000	O	|	|	|	|	0.00
59.417	0.00	0.02	0.003	O	|	|	|	|	0.03	64.583	0.00	0.00	0.000	O	|	|	|	|	0.00
59.500	0.00	0.02	0.003	O	|	|	|	|	0.03	64.667	0.00	0.00	0.000	O	|	|	|	|	0.00
59.583	0.00	0.02	0.003	O	|	|	|	|	0.03	64.750	0.00	0.00	0.000	O	|	|	|	|	0.00
59.667	0.00	0.02	0.003	O	|	|	|	|	0.03	64.833	0.00	0.00	0.000	O	|	|	|	|	0.00
59.750	0.00	0.02	0.003	O	|	|	|	|	0.03	64.917	0.00	0.00	0.000	O	|	|	|	|	0.00
59.833	0.00	0.02	0.003	O	|	|	|	|	0.03	65.000	0.00	0.00	0.000	O	|	|	|	|	0.00
59.917	0.00	0.01	0.002	O	|	|	|	|	0.02	65.083	0.00	0.00	0.000	O	|	|	|	|	0.00
60.000	0.00	0.01	0.002	O	|	|	|	|	0.02	65.167	0.00	0.00	0.000	O	|	|	|	|	0.00
60.083	0.00	0.01	0.002	O	|	|	|	|	0.02	65.250	0.00	0.00	0.000	O	|	|	|	|	0.00
60.167	0.00	0.01	0.002	O	|	|	|	|	0.02	65.333	0.00	0.00	0.000	O	|	|	|	|	0.00
60.250	0.00	0.01	0.002	O	|	|	|	|	0.02	65.417	0.00	0.00	0.000	O	|	|	|	|	0.00

```
**************************HYDROGRAPH DATA**************************
                Number of intervals =   785
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       15.870 (CFS)
                Total volume =       9.238 (Ac.Ft)
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
**********************************************************************


----------------------------------------------------------------------


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.100 to Point/Station        9.200
**** STREAM ROUTING SCS CONVEX METHOD ****
______________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =    558.00 (Ft.)
Elevation difference =    5.60 (Ft.)
Slope of channel =  0.010036 (Vert/Horiz)
Channel type - Pipe


Pipe length  =   558.00(Ft.)   Elevation difference =   5.60(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     4.319(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     4.319(CFS)
Normal flow depth in pipe =    8.96(In.)
Flow top width inside pipe =   14.71(In.)
Critical Depth =    0.84(Ft.)
Pipe flow velocity =      5.65(Ft/s)
Travel time through pipe =    1.65 min.


Pipe length  =   558.00(Ft.)   Elevation difference =   5.60(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =    15.870(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    15.870(CFS)
Normal flow depth in pipe =   17.20(In.)
Flow top width inside pipe =   16.16(In.)
Critical Depth =    1.47(Ft.)
Pipe flow velocity =      7.52(Ft/s)
Travel time through pipe =    1.24 min.


********************** SCS CONVEX CHANNEL ROUTING *********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8157   Travel time =   1.24 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   3.6391
        dt(routing time-step) =   1.01 (min.),   c* =   0.9979

Output hydrograph delayed by 0  unit time increments
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        4.0       7.9      11.9      15.9
------------------------------------------------------------------------
  0+ 5       0.0033      0.00  O         |         |         |         |
  0+10       0.0173      0.02  O         |         |         |         |
  0+15       0.0418      0.05  O         |         |         |         |
  0+20       0.0712      0.08  O         |         |         |         |
  0+25       0.1059      0.11  O         |         |         |         |
  0+30       0.1450      0.15  O         |         |         |         |
  0+35       0.1848      0.19  O         |         |         |         |
  0+40       0.2234      0.23  O         |         |         |         |
  0+45       0.2607      0.27  O         |         |         |         |
  0+50       0.2981      0.31  O         |         |         |         |
  0+55       0.3210      0.32  O         |         |         |         |
  1+ 0       0.3394      0.34  O         |         |         |         |
  1+ 5       0.3572      0.36  O         |         |         |         |
  1+10       0.3729      0.38  O         |         |         |         |
  1+15       0.3862      0.39  O         |         |         |         |
  1+20       0.3984      0.40  |O        |         |         |         |
  1+25       0.4103      0.41  |O        |         |         |         |
  1+30       0.4219      0.42  |O        |         |         |         |
  1+35       0.4333      0.44  |O        |         |         |         |
  1+40       0.4446      0.45  |O        |         |         |         |
  1+45       0.4536      0.46  |O        |         |         |         |
  1+50       0.4617      0.46  |O        |         |         |         |
  1+55       0.4708      0.47  |O        |         |         |         |
  2+ 0       0.4814      0.48  |O        |         |         |         |
  2+ 5       0.4924      0.49  |O        |         |         |         |
  2+10       0.5034      0.51  |O        |         |         |         |
  2+15       0.5143      0.52  |O        |         |         |         |
  2+20       0.5251      0.53  |O        |         |         |         |
  2+25       0.5358      0.54  |O        |         |         |         |
  2+30       0.5464      0.55  |O        |         |         |         |
  2+35       0.5573      0.56  |O        |         |         |         |
  2+40       0.5668      0.57  |O        |         |         |         |
  2+45       0.5764      0.58  |O        |         |         |         |
  2+50       0.5864      0.59  |O        |         |         |         |
  2+55       0.5964      0.60  |O        |         |         |         |
  3+ 0       0.6063      0.61  |O        |         |         |         |
  3+ 5       0.6162      0.62  |O        |         |         |         |
  3+10       0.6260      0.63  |O        |         |         |         |
  3+15       0.6357      0.64  |O        |         |         |         |
  3+20       0.6454      0.65  |O        |         |         |         |
  3+25       0.6537      0.66  |O        |         |         |         |
  3+30       0.6613      0.66  |O        |         |         |         |
  3+35       0.6686      0.67  |O        |         |         |         |
  3+40       0.6759      0.68  |O        |         |         |         |
  3+45       0.6832      0.68  |O        |         |         |         |
  3+50       0.6906      0.69  |O        |         |         |         |
  3+55       0.6988      0.70  |O        |         |         |         |
  4+ 0       0.7078      0.71  |O        |         |         |         |
  4+ 5       0.7170      0.72  |O        |         |         |         |
  4+10       0.7262      0.73  |O        |         |         |         |
  4+15       0.7347      0.74  |O        |         |         |         |
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25+ 0	1.2891	1.29	O					30+10	1.2011	1.20	O				
25+ 5	1.2876	1.29	O					30+15	1.1994	1.20	O				
25+10	1.2862	1.29	O					30+20	1.1978	1.20	O				
25+15	1.2847	1.28	O					30+25	1.1962	1.20	O				
25+20	1.2833	1.28	O					30+30	1.1946	1.19	O				
25+25	1.2819	1.28	O					30+35	1.1929	1.19	O				
25+30	1.2804	1.28	O					30+40	1.1913	1.19	O				
25+35	1.2791	1.28	O					30+45	1.1897	1.19	O				
25+40	1.2779	1.28	O					30+50	1.1883	1.19	O				
25+45	1.2766	1.28	O					30+55	1.1869	1.19	O				
25+50	1.2753	1.28	O					31+ 0	1.1855	1.19	O				
25+55	1.2741	1.27	O					31+ 5	1.1840	1.18	O				
26+ 0	1.2728	1.27	O					31+10	1.1826	1.18	O				
26+ 5	1.2716	1.27	O					31+15	1.1812	1.18	O				
26+10	1.2703	1.27	O					31+20	1.1798	1.18	O				
26+15	1.2691	1.27	O					31+25	1.1784	1.18	O				
26+20	1.2678	1.27	O					31+30	1.1770	1.18	O				
26+25	1.2666	1.27	O					31+35	1.1756	1.18	O				
26+30	1.2653	1.27	O					31+40	1.1742	1.17	O				
26+35	1.2641	1.26	O					31+45	1.1727	1.17	O				
26+40	1.2629	1.26	O					31+50	1.1713	1.17	O				
26+45	1.2616	1.26	O					31+55	1.1699	1.17	O				
26+50	1.2604	1.26	O					32+ 0	1.1685	1.17	O				
26+55	1.2591	1.26	O					32+ 5	1.1671	1.17	O				
27+ 0	1.2579	1.26	O					32+10	1.1657	1.17	O				
27+ 5	1.2567	1.26	O					32+15	1.1643	1.16	O				
27+10	1.2554	1.26	O					32+20	1.1630	1.16	O				
27+15	1.2542	1.25	O					32+25	1.1616	1.16	O				
27+20	1.2530	1.25	O					32+30	1.1602	1.16	O				
27+25	1.2517	1.25	O					32+35	1.1588	1.16	O				
27+30	1.2505	1.25	O					32+40	1.1574	1.16	O				
27+35	1.2493	1.25	O					32+45	1.1560	1.16	O				
27+40	1.2480	1.25	O					32+50	1.1546	1.15	O				
27+45	1.2468	1.25	O					32+55	1.1532	1.15	O				
27+50	1.2456	1.25	O					33+ 0	1.1519	1.15	O				
27+55	1.2444	1.24	O					33+ 5	1.1505	1.15	O				
28+ 0	1.2431	1.24	O					33+10	1.1488	1.15	O				
28+ 5	1.2419	1.24	O					33+15	1.1469	1.15	O				
28+10	1.2407	1.24	O					33+20	1.1450	1.14	O				
28+15	1.2392	1.24	O					33+25	1.1431	1.14	O				
28+20	1.2376	1.24	O					33+30	1.1412	1.14	O				
28+25	1.2359	1.24	O					33+35	1.1393	1.14	O				
28+30	1.2342	1.23	O					33+40	1.1374	1.14	O				
28+35	1.2325	1.23	O					33+45	1.1355	1.14	O				
28+40	1.2309	1.23	O					33+50	1.1337	1.13	O				
28+45	1.2292	1.23	O					33+55	1.1318	1.13	O				
28+50	1.2275	1.23	O					34+ 0	1.1299	1.13	O				
28+55	1.2258	1.23	O					34+ 5	1.1280	1.13	O				
29+ 0	1.2242	1.22	O					34+10	1.1262	1.13	O				
29+ 5	1.2225	1.22	O					34+15	1.1243	1.12	O				
29+10	1.2209	1.22	O					34+20	1.1224	1.12	O				
29+15	1.2192	1.22	O					34+25	1.1206	1.12	O				
29+20	1.2175	1.22	O					34+30	1.1187	1.12	O				
29+25	1.2159	1.22	O					34+35	1.1169	1.12	O				
29+30	1.2142	1.21	O					34+40	1.1150	1.11	O				
29+35	1.2126	1.21	O					34+45	1.1132	1.11	O				
29+40	1.2109	1.21	O					34+50	1.1114	1.11	O				
29+45	1.2093	1.21	O					34+55	1.1095	1.11	O				
29+50	1.2076	1.21	O					35+ 0	1.1077	1.11	O				
29+55	1.2060	1.21	O					35+ 5	1.1058	1.11	O				
30+ 0	1.2043	1.20	O					35+10	1.1040	1.10	O				
30+ 5	1.2027	1.20	O					35+15	1.1022	1.10	O				

35+20	1.1004	1.10	O					40+30	0.9621	0.96	O				
35+25	1.0984	1.10	O					40+35	0.9597	0.96	O				
35+30	1.0964	1.10	O					40+40	0.9572	0.96	O				
35+35	1.0944	1.09	O					40+45	0.9547	0.95	O				
35+40	1.0924	1.09	O					40+50	0.9522	0.95	O				
35+45	1.0904	1.09	O					40+55	0.9498	0.95	O				
35+50	1.0884	1.09	O					41+ 0	0.9473	0.95	O				
35+55	1.0864	1.09	O					41+ 5	0.9449	0.94	O				
36+ 0	1.0844	1.08	O					41+10	0.9425	0.94	O				
36+ 5	1.0824	1.08	O					41+15	0.9400	0.94	O				
36+10	1.0804	1.08	O					41+20	0.9376	0.94	O				
36+15	1.0785	1.08	O					41+25	0.9352	0.93	O				
36+20	1.0765	1.08	O					41+30	0.9328	0.93	O				
36+25	1.0745	1.07	O					41+35	0.9304	0.93	O				
36+30	1.0725	1.07	O					41+40	0.9276	0.93	O				
36+35	1.0706	1.07	O					41+45	0.9248	0.92	O				
36+40	1.0686	1.07	O					41+50	0.9219	0.92	O				
36+45	1.0667	1.07	O					41+55	0.9191	0.92	O				
36+50	1.0647	1.06	O					42+ 0	0.9163	0.92	O				
36+55	1.0628	1.06	O					42+ 5	0.9135	0.91	O				
37+ 0	1.0608	1.06	O					42+10	0.9107	0.91	O				
37+ 5	1.0589	1.06	O					42+15	0.9079	0.91	O				
37+10	1.0569	1.06	O					42+20	0.9052	0.90	O				
37+15	1.0550	1.05	O					42+25	0.9024	0.90	O				
37+20	1.0531	1.05	O					42+30	0.8996	0.90	O				
37+25	1.0512	1.05	O					42+35	0.8969	0.90	O				
37+30	1.0490	1.05	O					42+40	0.8941	0.89	O				
37+35	1.0466	1.05	O					42+45	0.8914	0.89	O				
37+40	1.0442	1.04	O					42+50	0.8887	0.89	O				
37+45	1.0417	1.04	O					42+55	0.8860	0.89	O				
37+50	1.0393	1.04	O					43+ 0	0.8833	0.88	O				
37+55	1.0369	1.04	O					43+ 5	0.8806	0.88	O				
38+ 0	1.0345	1.03	O					43+10	0.8779	0.88	O				
38+ 5	1.0321	1.03	O					43+15	0.8752	0.87	O				
38+10	1.0297	1.03	O					43+20	0.8725	0.87	O				
38+15	1.0273	1.03	O					43+25	0.8698	0.87	O				
38+20	1.0250	1.02	O					43+30	0.8668	0.87	O				
38+25	1.0226	1.02	O					43+35	0.8639	0.86	O				
38+30	1.0202	1.02	O					43+40	0.8609	0.86	O				
38+35	1.0178	1.02	O					43+45	0.8579	0.86	O				
38+40	1.0155	1.01	O					43+50	0.8550	0.85	O				
38+45	1.0131	1.01	O					43+55	0.8520	0.85	O				
38+50	1.0108	1.01	O					44+ 0	0.8491	0.85	O				
38+55	1.0084	1.01	O					44+ 5	0.8462	0.85	O				
39+ 0	1.0061	1.01	O					44+10	0.8433	0.84	O				
39+ 5	1.0038	1.00	O					44+15	0.8404	0.84	O				
39+10	1.0014	1.00	O					44+20	0.8375	0.84	O				
39+15	0.9991	1.00	O					44+25	0.8346	0.83	O				
39+20	0.9968	1.00	O					44+30	0.8317	0.83	O				
39+25	0.9945	0.99	O					44+35	0.8289	0.83	O				
39+30	0.9922	0.99	O					44+40	0.8260	0.83	O				
39+35	0.9898	0.99	O					44+45	0.8232	0.82	O				
39+40	0.9873	0.99	O					44+50	0.8204	0.82	O				
39+45	0.9848	0.98	O					44+55	0.8175	0.82	O				
39+50	0.9822	0.98	O					45+ 0	0.8147	0.81	O				
39+55	0.9797	0.98	O					45+ 5	0.8119	0.81	O				
40+ 0	0.9772	0.98	O					45+10	0.8086	0.81	O				
40+ 5	0.9746	0.97	O					45+15	0.8045	0.80	O				
40+10	0.9721	0.97	O					45+20	0.8004	0.80	O				
40+15	0.9696	0.97	O					45+25	0.7962	0.80	O				
40+20	0.9671	0.97	O					45+30	0.7921	0.79	O				
40+25	0.9646	0.96	O					45+35	0.7880	0.79	O				

45+40	0.7839	0.78	|O	|	|	|	|	50+50	0.5099	0.51	|O	|	|	|	|
45+45	0.7798	0.78	|O	|	|	|	|	50+55	0.5045	0.50	|O	|	|	|	|
45+50	0.7758	0.77	|O	|	|	|	|	51+ 0	0.4992	0.50	|O	|	|	|	|
45+55	0.7718	0.77	|O	|	|	|	|	51+ 5	0.4939	0.49	|O	|	|	|	|
46+ 0	0.7678	0.77	|O	|	|	|	|	51+10	0.4886	0.49	|O	|	|	|	|
46+ 5	0.7638	0.76	|O	|	|	|	|	51+15	0.4834	0.48	|O	|	|	|	|
46+10	0.7598	0.76	|O	|	|	|	|	51+20	0.4783	0.48	|O	|	|	|	|
46+15	0.7559	0.76	|O	|	|	|	|	51+25	0.4732	0.47	|O	|	|	|	|
46+20	0.7520	0.75	|O	|	|	|	|	51+30	0.4682	0.47	|O	|	|	|	|
46+25	0.7481	0.75	|O	|	|	|	|	51+35	0.4632	0.46	|O	|	|	|	|
46+30	0.7442	0.74	|O	|	|	|	|	51+40	0.4583	0.46	|O	|	|	|	|
46+35	0.7403	0.74	|O	|	|	|	|	51+45	0.4535	0.45	|O	|	|	|	|
46+40	0.7365	0.74	|O	|	|	|	|	51+50	0.4478	0.45	|O	|	|	|	|
46+45	0.7327	0.73	|O	|	|	|	|	51+55	0.4410	0.44	|O	|	|	|	|
46+50	0.7287	0.73	|O	|	|	|	|	52+ 0	0.4341	0.43	|O	|	|	|	|
46+55	0.7245	0.72	|O	|	|	|	|	52+ 5	0.4272	0.43	|O	|	|	|	|
47+ 0	0.7202	0.72	|O	|	|	|	|	52+10	0.4205	0.42	|O	|	|	|	|
47+ 5	0.7160	0.72	|O	|	|	|	|	52+15	0.4140	0.41	|O	|	|	|	|
47+10	0.7118	0.71	|O	|	|	|	|	52+20	0.4075	0.41	|O	|	|	|	|
47+15	0.7077	0.71	|O	|	|	|	|	52+25	0.4011	0.40	|O	|	|	|	|
47+20	0.7035	0.70	|O	|	|	|	|	52+30	0.3948	0.39	O	|	|	|	|
47+25	0.6994	0.70	|O	|	|	|	|	52+35	0.3886	0.39	O	|	|	|	|
47+30	0.6953	0.69	|O	|	|	|	|	52+40	0.3825	0.38	O	|	|	|	|
47+35	0.6913	0.69	|O	|	|	|	|	52+45	0.3765	0.38	O	|	|	|	|
47+40	0.6872	0.69	|O	|	|	|	|	52+50	0.3706	0.37	O	|	|	|	|
47+45	0.6832	0.68	|O	|	|	|	|	52+55	0.3648	0.36	O	|	|	|	|
47+50	0.6792	0.68	|O	|	|	|	|	53+ 0	0.3591	0.36	O	|	|	|	|
47+55	0.6753	0.67	|O	|	|	|	|	53+ 5	0.3534	0.35	O	|	|	|	|
48+ 0	0.6713	0.67	|O	|	|	|	|	53+10	0.3479	0.35	O	|	|	|	|
48+ 5	0.6674	0.67	|O	|	|	|	|	53+15	0.3424	0.34	O	|	|	|	|
48+10	0.6635	0.66	|O	|	|	|	|	53+20	0.3371	0.34	O	|	|	|	|
48+15	0.6596	0.66	|O	|	|	|	|	53+25	0.3318	0.33	O	|	|	|	|
48+20	0.6558	0.65	|O	|	|	|	|	53+30	0.3266	0.33	O	|	|	|	|
48+25	0.6519	0.65	|O	|	|	|	|	53+35	0.3215	0.32	O	|	|	|	|
48+30	0.6475	0.65	|O	|	|	|	|	53+40	0.3164	0.32	O	|	|	|	|
48+35	0.6427	0.64	|O	|	|	|	|	53+45	0.3114	0.31	O	|	|	|	|
48+40	0.6379	0.64	|O	|	|	|	|	53+50	0.3010	0.30	O	|	|	|	|
48+45	0.6331	0.63	|O	|	|	|	|	53+55	0.2891	0.29	O	|	|	|	|
48+50	0.6283	0.63	|O	|	|	|	|	54+ 0	0.2774	0.28	O	|	|	|	|
48+55	0.6236	0.62	|O	|	|	|	|	54+ 5	0.2663	0.26	O	|	|	|	|
49+ 0	0.6189	0.62	|O	|	|	|	|	54+10	0.2556	0.25	O	|	|	|	|
49+ 5	0.6142	0.61	|O	|	|	|	|	54+15	0.2453	0.24	O	|	|	|	|
49+10	0.6096	0.61	|O	|	|	|	|	54+20	0.2354	0.23	O	|	|	|	|
49+15	0.6050	0.60	|O	|	|	|	|	54+25	0.2259	0.22	O	|	|	|	|
49+20	0.6004	0.60	|O	|	|	|	|	54+30	0.2169	0.22	O	|	|	|	|
49+25	0.5959	0.59	|O	|	|	|	|	54+35	0.2081	0.21	O	|	|	|	|
49+30	0.5914	0.59	|O	|	|	|	|	54+40	0.1998	0.20	O	|	|	|	|
49+35	0.5870	0.59	|O	|	|	|	|	54+45	0.1917	0.19	O	|	|	|	|
49+40	0.5825	0.58	|O	|	|	|	|	54+50	0.1840	0.18	O	|	|	|	|
49+45	0.5782	0.58	|O	|	|	|	|	54+55	0.1766	0.18	O	|	|	|	|
49+50	0.5738	0.57	|O	|	|	|	|	55+ 0	0.1695	0.17	O	|	|	|	|
49+55	0.5695	0.57	|O	|	|	|	|	55+ 5	0.1627	0.16	O	|	|	|	|
50+ 0	0.5652	0.56	|O	|	|	|	|	55+10	0.1561	0.15	O	|	|	|	|
50+ 5	0.5609	0.56	|O	|	|	|	|	55+15	0.1499	0.15	O	|	|	|	|
50+10	0.5554	0.55	|O	|	|	|	|	55+20	0.1438	0.14	O	|	|	|	|
50+15	0.5495	0.55	|O	|	|	|	|	55+25	0.1380	0.14	O	|	|	|	|
50+20	0.5436	0.54	|O	|	|	|	|	55+30	0.1325	0.13	O	|	|	|	|
50+25	0.5379	0.54	|O	|	|	|	|	55+35	0.1272	0.13	O	|	|	|	|
50+30	0.5322	0.53	|O	|	|	|	|	55+40	0.1220	0.12	O	|	|	|	|
50+35	0.5265	0.53	|O	|	|	|	|	55+45	0.1171	0.12	O	|	|	|	|
50+40	0.5209	0.52	|O	|	|	|	|	55+50	0.1124	0.11	O	|	|	|	|
50+45	0.5154	0.51	|O	|	|	|	|	55+55	0.1079	0.11	O	|	|	|	|

56+ 0	0.1036	0.10	O				
56+ 5	0.0994	0.10	O				
56+10	0.0954	0.09	O				
56+15	0.0916	0.09	O				
56+20	0.0879	0.09	O				
56+25	0.0843	0.08	O				
56+30	0.0809	0.08	O				
56+35	0.0777	0.08	O				
56+40	0.0746	0.07	O				
56+45	0.0716	0.07	O				
56+50	0.0687	0.07	O				
56+55	0.0659	0.07	O				
57+ 0	0.0633	0.06	O				
57+ 5	0.0607	0.06	O				
57+10	0.0583	0.06	O				
57+15	0.0559	0.06	O				
57+20	0.0537	0.05	O				
57+25	0.0515	0.05	O				
57+30	0.0494	0.05	O				
57+35	0.0475	0.05	O				
57+40	0.0456	0.05	O				
57+45	0.0437	0.04	O				
57+50	0.0420	0.04	O				
57+55	0.0403	0.04	O				
58+ 0	0.0387	0.04	O				
58+ 5	0.0371	0.04	O				
58+10	0.0356	0.04	O				
58+15	0.0342	0.03	O				
58+20	0.0328	0.03	O				
58+25	0.0315	0.03	O				
58+30	0.0302	0.03	O				
58+35	0.0290	0.03	O				
58+40	0.0278	0.03	O				
58+45	0.0267	0.03	O				
58+50	0.0256	0.03	O				
58+55	0.0246	0.02	O				
59+ 0	0.0236	0.02	O				
59+ 5	0.0227	0.02	O				
59+10	0.0218	0.02	O				
59+15	0.0209	0.02	O				
59+20	0.0200	0.02	O				
59+25	0.0192	0.02	O				
59+30	0.0185	0.02	O				
59+35	0.0177	0.02	O				
59+40	0.0170	0.02	O				
59+45	0.0163	0.02	O				
59+50	0.0157	0.02	O				
59+55	0.0150	0.01	O				
60+ 0	0.0144	0.01	O				
60+ 5	0.0138	0.01	O				
60+10	0.0133	0.01	O				
60+15	0.0128	0.01	O				
60+20	0.0122	0.01	O				
60+25	0.0117	0.01	O				
60+30	0.0113	0.01	O				
60+35	0.0108	0.01	O				
60+40	0.0104	0.01	O				
60+45	0.0100	0.01	O				
60+50	0.0096	0.01	O				
60+55	0.0092	0.01	O				
61+ 0	0.0088	0.01	O				
61+ 5	0.0085	0.01	O				
61+10	0.0081	0.01	O				
61+15	0.0078	0.01	O				
61+20	0.0075	0.01	O				
61+25	0.0072	0.01	O				
61+30	0.0069	0.01	O				
61+35	0.0066	0.01	O				
61+40	0.0063	0.01	O				
61+45	0.0061	0.01	O				
61+50	0.0058	0.01	O				
61+55	0.0056	0.01	O				
62+ 0	0.0054	0.01	O				
62+ 5	0.0052	0.01	O				
62+10	0.0050	0.00	O				
62+15	0.0048	0.00	O				
62+20	0.0046	0.00	O				
62+25	0.0044	0.00	O				
62+30	0.0042	0.00	O				
62+35	0.0040	0.00	O				
62+40	0.0039	0.00	O				
62+45	0.0037	0.00	O				
62+50	0.0036	0.00	O				
62+55	0.0034	0.00	O				
63+ 0	0.0033	0.00	O				
63+ 5	0.0032	0.00	O				
63+10	0.0030	0.00	O				
63+15	0.0029	0.00	O				
63+20	0.0028	0.00	O				
63+25	0.0027	0.00	O				
63+30	0.0026	0.00	O				
63+35	0.0025	0.00	O				
63+40	0.0024	0.00	O				
63+45	0.0023	0.00	O				
63+50	0.0022	0.00	O				
63+55	0.0021	0.00	O				
64+ 0	0.0020	0.00	O				
64+ 5	0.0019	0.00	O				
64+10	0.0019	0.00	O				
64+15	0.0018	0.00	O				
64+20	0.0017	0.00	O				
64+25	0.0016	0.00	O				
64+30	0.0016	0.00	O				
64+35	0.0015	0.00	O				
64+40	0.0014	0.00	O				
64+45	0.0014	0.00	O				
64+50	0.0013	0.00	O				
64+55	0.0013	0.00	O				
65+ 0	0.0012	0.00	O				
65+ 5	0.0012	0.00	O				
65+10	0.0011	0.00	O				
65+15	0.0011	0.00	O				
65+20	0.0010	0.00	O				
65+25	0.0010	0.00	O				
65+30	0.0000	0.00	O				

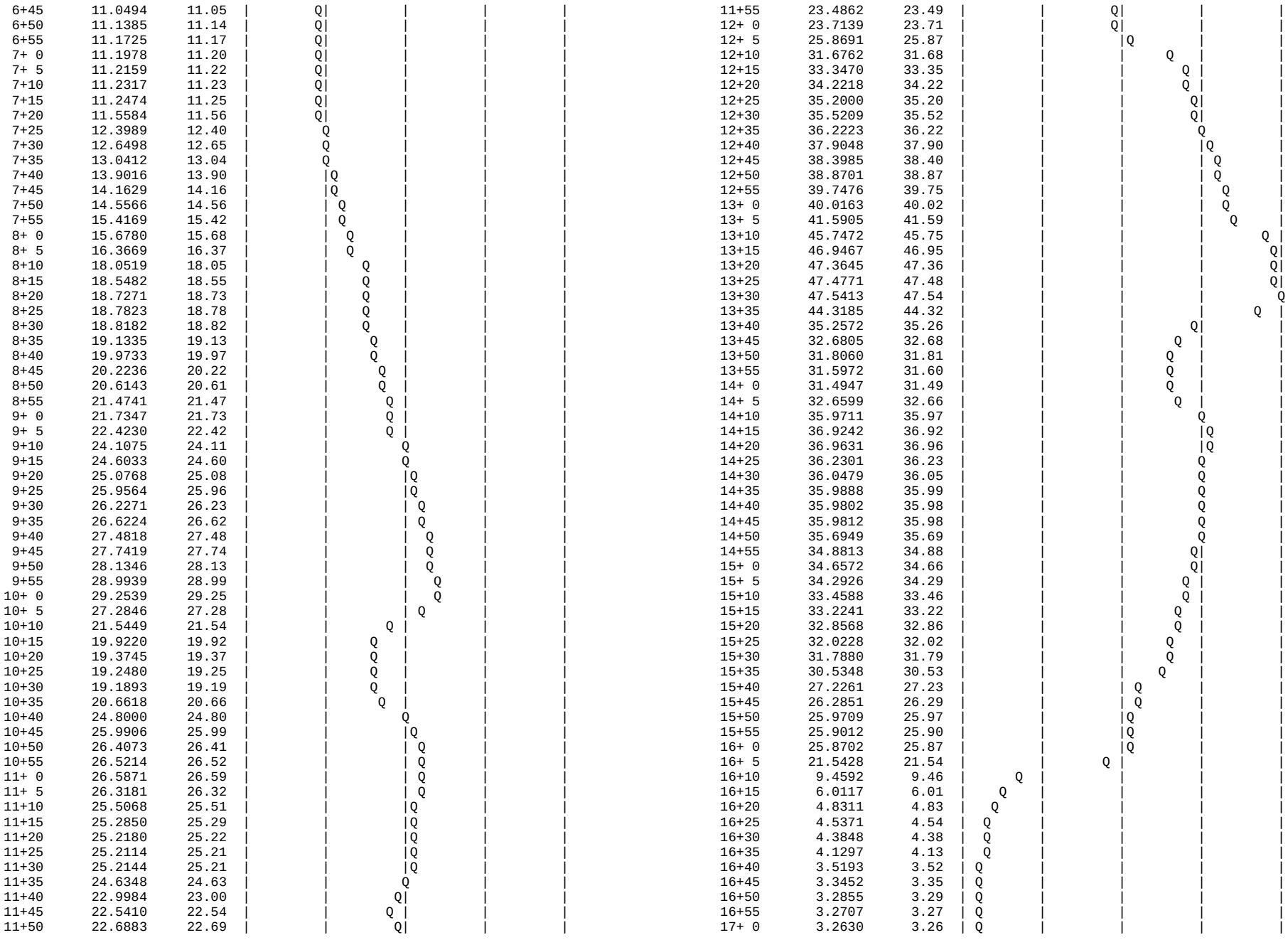
**********HYDROGRAPH DATA**********

Number of intervals = 786
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 15.837 (CFS)
Total volume = 9.238 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000

```
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.100 to Point/Station        9.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****
_______________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 1 with
a starting time of   0.00 hours and ending time of  25.00 hours
With a total volume of       6.97(Ac.Ft)
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
          Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)     15.837     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)      6.969     0.000     0.000     0.000     0.000
*******************************************************************************


-------------------------------------------------------------------------------



+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        9.300 to Point/Station        9.400
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
_______________________________________________________________________________
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP9B10024100.rte
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                 P R I N T  O F  S T O R M
               R u n o f f     H y d r o g r a p h
-------------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

-------------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       11.9      23.8      35.7      47.5
-------------------------------------------------------------------------------
  0+ 5       0.4369      0.44  Q        |         |         |         |
  0+10       1.6577      1.66  |Q       |         |         |         |
  0+15       2.0060      2.01  |Q       |         |         |         |
  0+20       2.3438      2.34  |Q       |         |         |         |
  0+25       2.9839      2.98  | Q      |         |         |         |
  0+30       3.1734      3.17  | Q      |         |         |         |
  0+35       3.2367      3.24  | Q      |         |         |         |
  0+40       3.2516      3.25  | Q      |         |         |         |
  0+45       3.2593      3.26  | Q      |         |         |         |
  0+50       3.4796      3.48  | Q      |         |         |         |
  0+55       4.0900      4.09  |  Q     |         |         |         |
  1+ 0       4.2642      4.26  |  Q     |         |         |         |
  1+ 5       4.1053      4.11  |  Q     |         |         |         |
  1+10       3.5098      3.51  | Q      |         |         |         |
  1+15       3.3433      3.34  | Q      |         |         |         |
  1+20       3.2855      3.29  | Q      |         |         |         |
  1+25       3.2707      3.27  | Q      |         |         |         |
  1+30       3.2630      3.26  | Q      |         |         |         |
  1+35       3.2611      3.26  | Q      |         |         |         |         |
  1+40       3.2611      3.26  | Q      |         |         |         |         |
  1+45       3.2611      3.26  | Q      |         |         |         |         |
  1+50       3.4796      3.48  | Q      |         |         |         |         |
  1+55       4.0900      4.09  |  Q     |         |         |         |         |
  2+ 0       4.2642      4.26  |  Q     |         |         |         |         |
  2+ 5       4.3238      4.32  |  Q     |         |         |         |         |
  2+10       4.3386      4.34  |  Q     |         |         |         |         |
  2+15       4.3463      4.35  |  Q     |         |         |         |         |
  2+20       4.3482      4.35  |  Q     |         |         |         |         |
  2+25       4.3482      4.35  |  Q     |         |         |         |         |
  2+30       4.3482      4.35  |  Q     |         |         |         |         |
  2+35       4.5666      4.57  |  Q     |         |         |         |         |
  2+40       5.1770      5.18  |   Q    |         |         |         |         |
  2+45       5.3512      5.35  |   Q    |         |         |         |         |
  2+50       5.4108      5.41  |   Q    |         |         |         |         |
  2+55       5.4257      5.43  |   Q    |         |         |         |         |
  3+ 0       5.4334      5.43  |   Q    |         |         |         |         |
  3+ 5       5.4352      5.44  |   Q    |         |         |         |         |
  3+10       5.4352      5.44  |   Q    |         |         |         |         |
  3+15       5.4352      5.44  |   Q    |         |         |         |         |
  3+20       5.4352      5.44  |   Q    |         |         |         |         |
  3+25       5.4352      5.44  |   Q    |         |         |         |         |
  3+30       5.4352      5.44  |   Q    |         |         |         |         |
  3+35       5.4352      5.44  |   Q    |         |         |         |         |
  3+40       5.4352      5.44  |   Q    |         |         |         |         |
  3+45       5.4352      5.44  |   Q    |         |         |         |         |
  3+50       5.6537      5.65  |   Q    |         |         |         |         |
  3+55       6.2641      6.26  |    Q   |         |         |         |         |
  4+ 0       6.4382      6.44  |    Q   |         |         |         |         |
  4+ 5       6.4979      6.50  |    Q   |         |         |         |         |
  4+10       6.5127      6.51  |    Q   |         |         |         |         |
  4+15       6.5204      6.52  |    Q   |         |         |         |         |
  4+20       6.7407      6.74  |    Q   |         |         |         |         |
  4+25       7.3511      7.35  |     Q  |         |         |         |         |
  4+30       7.5253      7.53  |     Q  |         |         |         |         |
  4+35       7.5849      7.58  |     Q  |         |         |         |         |
  4+40       7.5998      7.60  |     Q  |         |         |         |         |
  4+45       7.6075      7.61  |     Q  |         |         |         |         |
  4+50       7.8278      7.83  |     Q  |         |         |         |         |
  4+55       8.4382      8.44  |      Q |         |         |         |         |
  5+ 0       8.6123      8.61  |      Q |         |         |         |         |
  5+ 5       8.2350      8.24  |     Q  |         |         |         |         |
  5+10       7.0291      7.03  |    Q   |         |         |         |         |
  5+15       6.6885      6.69  |    Q   |         |         |         |         |
  5+20       6.7895      6.79  |    Q   |         |         |         |         |
  5+25       7.3702      7.37  |     Q  |         |         |         |         |
  5+30       7.5290      7.53  |     Q  |         |         |         |         |
  5+35       7.8034      7.80  |     Q  |         |         |         |         |
  5+40       8.4286      8.43  |      Q |         |         |         |         |
  5+45       8.6105      8.61  |      Q |         |         |         |         |
  5+50       8.6720      8.67  |      Q |         |         |         |         |
  5+55       8.6868      8.69  |      Q |         |         |         |         |
  6+ 0       8.6945      8.69  |      Q |         |         |         |         |
  6+ 5       8.9148      8.91  |      Q |         |         |         |         |
  6+10       9.5252      9.53  |       Q|         |         |         |         |
  6+15       9.6994      9.70  |       Q|         |         |         |         |
  6+20       9.7590      9.76  |       Q|         |         |         |         |
  6+25       9.7739      9.77  |       Q|         |         |         |         |
  6+30       9.7816      9.78  |       Q|         |         |         |         |
  6+35      10.0558     10.06  |       Q|         |         |         |         |
  6+40      10.8201     10.82  |        Q|         |         |         |         |
```



| | | |

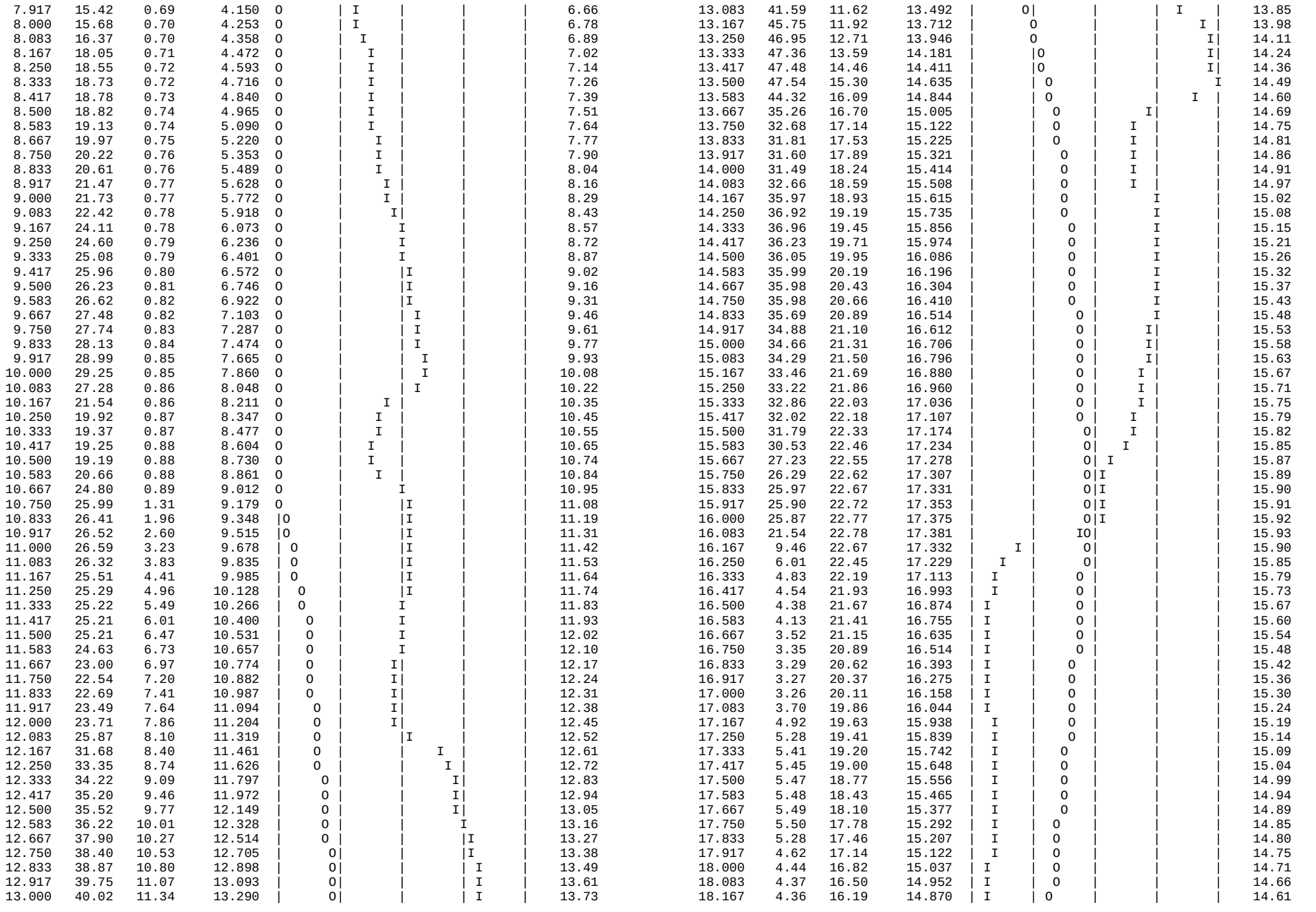
```
17+ 5       3.6985      3.70  |  Q       |          |          |          |
17+10       4.9223      4.92  |   Q      |          |          |          |
17+15       5.2782      5.28  |   Q      |          |          |          |
17+20       5.4064      5.41  |   Q      |          |          |          |
17+25       5.4454      5.45  |   Q      |          |          |          |
17+30       5.4701      5.47  |   Q      |          |          |          |
17+35       5.4832      5.48  |   Q      |          |          |          |
17+40       5.4925      5.49  |   Q      |          |          |          |
17+45       5.5017      5.50  |   Q      |          |          |          |
17+50       5.2751      5.28  |   Q      |          |          |          |
17+55       4.6237      4.62  |  Q       |          |          |          |
18+ 0       4.4379      4.44  |  Q       |          |          |          |
18+ 5       4.3742      4.37  |  Q       |          |          |          |
18+10       4.3584      4.36  |  Q       |          |          |          |
18+15       4.3502      4.35  |  Q       |          |          |          |
18+20       4.3482      4.35  |  Q       |          |          |          |
18+25       4.3482      4.35  |  Q       |          |          |          |
18+30       4.3482      4.35  |  Q       |          |          |          |
18+35       4.1297      4.13  |  Q       |          |          |          |
18+40       3.5193      3.52  | Q        |          |          |          |
18+45       3.3452      3.35  | Q        |          |          |          |
18+50       3.0671      3.07  | Q        |          |          |          |
18+55       2.4418      2.44  | Q        |          |          |          |
19+ 0       2.2600      2.26  |Q         |          |          |          |
19+ 5       2.4170      2.42  | Q        |          |          |          |
19+10       3.0125      3.01  | Q        |          |          |          |
19+15       3.1790      3.18  | Q        |          |          |          |
19+20       3.4552      3.46  | Q        |          |          |          |
19+25       4.0805      4.08  |  Q       |          |          |          |
19+30       4.2623      4.26  |  Q       |          |          |          |
19+35       4.1053      4.11  |  Q       |          |          |          |
19+40       3.5098      3.51  | Q        |          |          |          |
19+45       3.3433      3.34  | Q        |          |          |          |
19+50       3.0671      3.07  | Q        |          |          |          |
19+55       2.4418      2.44  | Q        |          |          |          |
20+ 0       2.2600      2.26  |Q         |          |          |          |
20+ 5       2.4170      2.42  | Q        |          |          |          |
20+10       3.0125      3.01  | Q        |          |          |          |
20+15       3.1790      3.18  | Q        |          |          |          |
20+20       3.2367      3.24  | Q        |          |          |          |
20+25       3.2516      3.25  | Q        |          |          |          |
20+30       3.2593      3.26  | Q        |          |          |          |
20+35       3.2611      3.26  | Q        |          |          |          |
20+40       3.2611      3.26  | Q        |          |          |          |
20+45       3.2611      3.26  | Q        |          |          |          |
20+50       3.0427      3.04  | Q        |          |          |          |
20+55       2.4323      2.43  | Q        |          |          |          |
21+ 0       2.2581      2.26  |Q         |          |          |          |
21+ 5       2.4170      2.42  | Q        |          |          |          |
21+10       3.0125      3.01  | Q        |          |          |          |
21+15       3.1790      3.18  | Q        |          |          |          |
21+20       3.0183      3.02  | Q        |          |          |          |
21+25       2.4227      2.42  | Q        |          |          |          |
21+30       2.2563      2.26  |Q         |          |          |          |
21+35       2.4170      2.42  | Q        |          |          |          |
21+40       3.0125      3.01  | Q        |          |          |          |
21+45       3.1790      3.18  | Q        |          |          |          |
21+50       3.0183      3.02  | Q        |          |          |          |
21+55       2.4227      2.42  | Q        |          |          |          |
22+ 0       2.2563      2.26  |Q         |          |          |          |
22+ 5       2.4170      2.42  | Q        |          |          |          |
22+10       3.0125      3.01  | Q        |          |          |          |
22+15       3.1790      3.18  | Q        |          |          |          |
22+20       3.0183      3.02  | Q        |          |          |          |
22+25       2.4227      2.42  | Q        |          |          |          |
22+30       2.2563      2.26  |Q         |          |          |          |
22+35       2.1985      2.20  |Q         |          |          |          |
22+40       2.1836      2.18  |Q         |          |          |          |
22+45       2.1759      2.18  |Q         |          |          |          |
22+50       2.1741      2.17  |Q         |          |          |          |
22+55       2.1741      2.17  |Q         |          |          |          |
23+ 0       2.1741      2.17  |Q         |          |          |          |
23+ 5       2.1741      2.17  |Q         |          |          |          |
23+10       2.1741      2.17  |Q         |          |          |          |
23+15       2.1741      2.17  |Q         |          |          |          |
23+20       2.1741      2.17  |Q         |          |          |          |
23+25       2.1741      2.17  |Q         |          |          |          |
23+30       2.1741      2.17  |Q         |          |          |          |
23+35       2.1741      2.17  |Q         |          |          |          |
23+40       2.1741      2.17  |Q         |          |          |          |
23+45       2.1741      2.17  |Q         |          |          |          |
23+50       2.1741      2.17  |Q         |          |          |          |
23+55       2.1741      2.17  |Q         |          |          |          |
24+ 0       2.1741      2.17  |Q         |          |          |          |
24+ 5       1.7372      1.74  |Q         |          |          |          |
24+10       0.5164      0.52  Q          |          |          |          |
24+15       0.1681      0.17  Q          |          |          |          |
24+20       0.0488      0.05  Q          |          |          |          |
24+25       0.0191      0.02  Q          |          |          |          |
24+30       0.0037      0.00  Q          |          |          |          |
--------------------------------------------------------------------------
      ***************************HYDROGRAPH DATA**************************
                    Number of intervals =   294
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       47.541 (CFS)
                    Total volume =      26.345 (Ac.Ft)
          Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)     15.837     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)     6.969     0.000     0.000     0.000     0.000
      ********************************************************************


      ------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        9.300 to Point/Station        9.400
      **** RETARDING BASIN ROUTING ****
      ___________________________________________________________________

      User entry of depth-outflow-storage data
      ----------------------------------------------------------------
      Total number of inflow hydrograph intervals = 294
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ----------------------------------------------------------------
      ----------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ----------------------------------------------------------------
      ----------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
```

(Ft.)	(Ac.Ft)	(CFS)	(Ac.Ft)	(Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.397	0.260	0.396	0.398
2.000	0.868	0.370	0.867	0.869
4.000	2.045	0.530	2.043	2.047
5.000	2.757	0.600	2.755	2.759
6.000	3.557	0.660	3.555	3.559
7.000	4.453	0.710	4.451	4.455
8.000	5.448	0.760	5.445	5.451
9.000	6.547	0.800	6.544	6.550
10.000	7.753	0.850	7.750	7.756
11.000	9.071	0.890	9.068	9.074
12.000	10.507	6.420	10.485	10.529
13.000	12.066	9.650	12.033	12.099
14.000	13.753	11.980	13.712	13.794
15.000	15.571	18.830	15.506	15.636
16.000	17.528	23.100	17.448	17.608
17.000	19.626	26.520	19.535	19.717
18.000	21.873	53.750	21.688	22.058
19.000	24.271	100.790	23.924	24.618
20.000	26.831	160.700	26.278	27.384

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 11.9 23.77 35.66 47.54	Depth (Ft.)
0.083	0.44	0.00	0.002	O	0.00
0.167	1.66	0.01	0.009	OI	0.02
0.250	2.01	0.01	0.021	OI	0.05
0.333	2.34	0.02	0.036	OI	0.09
0.417	2.98	0.04	0.054	O I	0.14
0.500	3.17	0.05	0.075	O I	0.19
0.583	3.24	0.06	0.097	O I	0.24
0.667	3.25	0.08	0.119	O I	0.30
0.750	3.26	0.09	0.141	O I	0.35
0.833	3.48	0.11	0.163	O I	0.41
0.917	4.09	0.12	0.188	O I	0.47
1.000	4.26	0.14	0.216	O I	0.54
1.083	4.11	0.16	0.244	O I	0.61
1.167	3.51	0.18	0.269	O I	0.68
1.250	3.34	0.19	0.291	O I	0.73
1.333	3.29	0.20	0.313	O I	0.79
1.417	3.27	0.22	0.334	O I	0.84
1.500	3.26	0.23	0.355	O I	0.89
1.583	3.26	0.25	0.376	O I	0.95
1.667	3.26	0.26	0.396	O I	1.00
1.750	3.26	0.26	0.417	O I	1.04
1.833	3.48	0.27	0.438	O I	1.09
1.917	4.09	0.28	0.463	O I	1.14
2.000	4.26	0.28	0.489	O I	1.20
2.083	4.32	0.29	0.517	O I	1.25
2.167	4.34	0.29	0.545	O I	1.31
2.250	4.35	0.30	0.573	O I	1.37
2.333	4.35	0.31	0.601	O I	1.43
2.417	4.35	0.31	0.628	O I	1.49
2.500	4.35	0.32	0.656	O I	1.55
2.583	4.57	0.33	0.685	O I	1.61
2.667	5.18	0.33	0.716	O I	1.68
2.750	5.35	0.34	0.750	O I	1.75
2.833	5.41	0.35	0.785	O I	1.82
2.917	5.43	0.36	0.819	O I	1.90
3.000	5.43	0.37	0.854	O I	1.97
3.083	5.44	0.37	0.889	O I	2.04
3.167	5.44	0.38	0.924	O I	2.10
3.250	5.44	0.38	0.959	O I	2.15
3.333	5.44	0.39	0.994	O I	2.21
3.417	5.44	0.39	1.028	O I	2.27
3.500	5.44	0.40	1.063	O I	2.33
3.583	5.44	0.40	1.098	O I	2.39
3.667	5.44	0.41	1.132	O I	2.45
3.750	5.44	0.41	1.167	O I	2.51
3.833	5.65	0.42	1.202	O I	2.57
3.917	6.26	0.42	1.241	O I	2.63
4.000	6.44	0.43	1.281	O I	2.70
4.083	6.50	0.43	1.323	O I	2.77
4.167	6.51	0.44	1.365	O I	2.84
4.250	6.52	0.44	1.407	O I	2.92
4.333	6.74	0.45	1.449	O I	2.99
4.417	7.35	0.46	1.495	O I	3.06
4.500	7.53	0.46	1.543	O I	3.15
4.583	7.58	0.47	1.592	O I	3.23
4.667	7.60	0.48	1.641	O I	3.31
4.750	7.61	0.48	1.690	O I	3.40
4.833	7.83	0.49	1.739	O I	3.48
4.917	8.44	0.50	1.792	O I	3.57
5.000	8.61	0.50	1.847	O I	3.66
5.083	8.24	0.51	1.902	O I	3.76
5.167	7.03	0.52	1.951	O I	3.84
5.250	6.69	0.52	1.995	O I	3.91
5.333	6.79	0.53	2.037	O I	3.99
5.417	7.37	0.53	2.082	O I	4.05
5.500	7.53	0.54	2.130	O I	4.12
5.583	7.80	0.54	2.179	O I	4.19
5.667	8.43	0.55	2.231	O I	4.26
5.750	8.61	0.55	2.286	O I	4.34
5.833	8.67	0.56	2.342	O I	4.42
5.917	8.69	0.56	2.398	O I	4.50
6.000	8.69	0.57	2.454	O I	4.57
6.083	8.91	0.58	2.510	O I	4.65
6.167	9.53	0.58	2.570	O I	4.74
6.250	9.70	0.59	2.632	O I	4.82
6.333	9.76	0.59	2.695	O I	4.91
6.417	9.77	0.60	2.758	O I	5.00
6.500	9.78	0.60	2.821	O I	5.08
6.583	10.06	0.61	2.885	O I	5.16
6.667	10.82	0.61	2.953	O I	5.25
6.750	11.05	0.62	3.024	O I	5.33
6.833	11.14	0.63	3.096	O I	5.42
6.917	11.17	0.63	3.169	O I	5.51
7.000	11.20	0.64	3.241	O I	5.61
7.083	11.22	0.64	3.314	O I	5.70
7.167	11.23	0.65	3.387	O I	5.79
7.250	11.25	0.65	3.460	O I	5.88
7.333	11.56	0.66	3.534	O I	5.97
7.417	12.40	0.66	3.612	O I	6.06
7.500	12.65	0.67	3.694	O I	6.15
7.583	13.04	0.67	3.778	O I	6.25
7.667	13.90	0.68	3.866	O I	6.34
7.750	14.16	0.68	3.958	O I	6.45
7.833	14.56	0.69	4.052	O I	6.55



7.917	15.42	0.69	4.150	O	| I |	|	6.66	13.083	41.59	11.62	13.492	| O|	|	| I |	13.85
8.000	15.68	0.70	4.253	O	| I |	|	6.78	13.167	45.75	11.92	13.712	| O |	| I |	13.98
8.083	16.37	0.70	4.358	O	| I |	|	6.89	13.250	46.95	12.71	13.946	| O |	| I|	14.11
8.167	18.05	0.71	4.472	O	| I |	|	7.02	13.333	47.36	13.59	14.181	|O |	| I|	14.24
8.250	18.55	0.72	4.593	O	| I |	|	7.14	13.417	47.48	14.46	14.411	|O |	| I|	14.36
8.333	18.73	0.72	4.716	O	| I |	|	7.26	13.500	47.54	15.30	14.635	| O |	| I	14.49
8.417	18.78	0.73	4.840	O	| I |	|	7.39	13.583	44.32	16.09	14.844	| O |	| I |	14.60
8.500	18.82	0.74	4.965	O	| I |	|	7.51	13.667	35.26	16.70	15.005	| O | I|	|	14.69
8.583	19.13	0.74	5.090	O	| I |	|	7.64	13.750	32.68	17.14	15.122	| O | I |	|	14.75
8.667	19.97	0.75	5.220	O	| I |	|	7.77	13.833	31.81	17.53	15.225	| O | I |	|	14.81
8.750	20.22	0.76	5.353	O	| I |	|	7.90	13.917	31.60	17.89	15.321	| O | I |	|	14.86
8.833	20.61	0.76	5.489	O	| I |	|	8.04	14.000	31.49	18.24	15.414	| O | I |	|	14.91
8.917	21.47	0.77	5.628	O	| I |	|	8.16	14.083	32.66	18.59	15.508	| O | I |	|	14.97
9.000	21.73	0.77	5.772	O	| I |	|	8.29	14.167	35.97	18.93	15.615	| O | I |	|	15.02
9.083	22.42	0.78	5.918	O	| I|	|	8.43	14.250	36.92	19.19	15.735	| O | I |	|	15.08
9.167	24.11	0.78	6.073	O	| I |	|	8.57	14.333	36.96	19.45	15.856	| O | I |	|	15.15
9.250	24.60	0.79	6.236	O	| I |	|	8.72	14.417	36.23	19.71	15.974	| O | I |	|	15.21
9.333	25.08	0.79	6.401	O	| I |	|	8.87	14.500	36.05	19.95	16.086	| O | I |	|	15.26
9.417	25.96	0.80	6.572	O	| |I |	|	9.02	14.583	35.99	20.19	16.196	| O | I |	|	15.32
9.500	26.23	0.81	6.746	O	| |I |	|	9.16	14.667	35.98	20.43	16.304	| O | I |	|	15.37
9.583	26.62	0.82	6.922	O	| |I |	|	9.31	14.750	35.98	20.66	16.410	| O | I |	|	15.43
9.667	27.48	0.82	7.103	O	| | I |	|	9.46	14.833	35.69	20.89	16.514	| O | I |	|	15.48
9.750	27.74	0.83	7.287	O	| | I |	|	9.61	14.917	34.88	21.10	16.612	| O | I|	|	15.53
9.833	28.13	0.84	7.474	O	| | I |	|	9.77	15.000	34.66	21.31	16.706	| O | I|	|	15.58
9.917	28.99	0.85	7.665	O	| | I |	|	9.93	15.083	34.29	21.50	16.796	| O | I|	|	15.63
10.000	29.25	0.85	7.860	O	| | I |	|	10.08	15.167	33.46	21.69	16.880	| O | I |	|	15.67
10.083	27.28	0.86	8.048	O	| | I |	|	10.22	15.250	33.22	21.86	16.960	| O | I |	|	15.71
10.167	21.54	0.86	8.211	O	| I |	|	10.35	15.333	32.86	22.03	17.036	| O | I |	|	15.75
10.250	19.92	0.87	8.347	O	| I |	|	10.45	15.417	32.02	22.18	17.107	| O | I |	|	15.79
10.333	19.37	0.87	8.477	O	| I |	|	10.55	15.500	31.79	22.33	17.174	| O| I |	|	15.82
10.417	19.25	0.88	8.604	O	| I |	|	10.65	15.583	30.53	22.46	17.234	| O| I |	|	15.85
10.500	19.19	0.88	8.730	O	| I |	|	10.74	15.667	27.23	22.55	17.278	| O| I |	|	15.87
10.583	20.66	0.88	8.861	O	| I |	|	10.84	15.750	26.29	22.62	17.307	| O|I |	|	15.89
10.667	24.80	0.89	9.012	O	| I |	|	10.95	15.833	25.97	22.67	17.331	| O|I |	|	15.90
10.750	25.99	1.31	9.179	O	| |I |	|	11.08	15.917	25.90	22.72	17.353	| O|I |	|	15.91
10.833	26.41	1.96	9.348	|O |	| |I |	|	11.19	16.000	25.87	22.77	17.375	| O|I |	|	15.92
10.917	26.52	2.60	9.515	|O |	| |I |	|	11.31	16.083	21.54	22.78	17.381	| IO| |	|	15.93
11.000	26.59	3.23	9.678	| O |	| |I |	|	11.42	16.167	9.46	22.67	17.332	| I | O| |	|	15.90
11.083	26.32	3.83	9.835	| O |	| |I |	|	11.53	16.250	6.01	22.45	17.229	| I | O| |	|	15.85
11.167	25.51	4.41	9.985	| O |	| |I |	|	11.64	16.333	4.83	22.19	17.113	| I | O | |	|	15.79
11.250	25.29	4.96	10.128	| O |	| |I |	|	11.74	16.417	4.54	21.93	16.993	| I | O | |	|	15.73
11.333	25.22	5.49	10.266	| O |	| I |	|	11.83	16.500	4.38	21.67	16.874	| I | O | |	|	15.67
11.417	25.21	6.01	10.400	| O |	| I |	|	11.93	16.583	4.13	21.41	16.755	| I | O | |	|	15.60
11.500	25.21	6.47	10.531	| O |	| I |	|	12.02	16.667	3.52	21.15	16.635	| I | O | |	|	15.54
11.583	24.63	6.73	10.657	| O |	| I |	|	12.10	16.750	3.35	20.89	16.514	| I | O | |	|	15.48
11.667	23.00	6.97	10.774	| O |	| I|	|	12.17	16.833	3.29	20.62	16.393	| I | O | |	|	15.42
11.750	22.54	7.20	10.882	| O |	| I|	|	12.24	16.917	3.27	20.37	16.275	| I | O | |	|	15.36
11.833	22.69	7.41	10.987	| O |	| I|	|	12.31	17.000	3.26	20.11	16.158	| I | O | |	|	15.30
11.917	23.49	7.64	11.094	| O |	| I|	|	12.38	17.083	3.70	19.86	16.044	| I | O | |	|	15.24
12.000	23.71	7.86	11.204	| O |	| I|	|	12.45	17.167	4.92	19.63	15.938	| I | O | |	|	15.19
12.083	25.87	8.10	11.319	| O |	| |I |	|	12.52	17.250	5.28	19.41	15.839	| I | O | |	|	15.14
12.167	31.68	8.40	11.461	| O |	| I |	|	12.61	17.333	5.41	19.20	15.742	| I | O | |	|	15.09
12.250	33.35	8.74	11.626	| O |	| I |	|	12.72	17.417	5.45	19.00	15.648	| I | O | |	|	15.04
12.333	34.22	9.09	11.797	| O |	| I|	|	12.83	17.500	5.47	18.77	15.556	| I | O | |	|	14.99
12.417	35.20	9.46	11.972	| O |	| I|	|	12.94	17.583	5.48	18.43	15.465	| I | O | |	|	14.94
12.500	35.52	9.77	12.149	| O |	| I|	|	13.05	17.667	5.49	18.10	15.377	| I | O | |	|	14.89
12.583	36.22	10.01	12.328	| O |	| I |	|	13.16	17.750	5.50	17.78	15.292	| I | O | |	|	14.85
12.667	37.90	10.27	12.514	| O |	| |I |	|	13.27	17.833	5.28	17.46	15.207	| I | O | |	|	14.80
12.750	38.40	10.53	12.705	| O|	| |I |	|	13.38	17.917	4.62	17.14	15.122	| I | O | |	|	14.75
12.833	38.87	10.80	12.898	| O|	| | I |	|	13.49	18.000	4.44	16.82	15.037	| I | O | |	|	14.71
12.917	39.75	11.07	13.093	| O|	| | I |	|	13.61	18.083	4.37	16.50	14.952	| I | O | |	|	14.66
13.000	40.02	11.34	13.290	| O|	| | I |	|	13.73	18.167	4.36	16.19	14.870	| I | O | |	|	14.61

18.250	4.35	15.88	14.789	| I	O |				14.57	23.417	2.17	8.14	11.338	|I	O |				12.53
18.333	4.35	15.59	14.711	| I	O |				14.53	23.500	2.17	8.06	11.297	|I	O |				12.51
18.417	4.35	15.30	14.635	| I	O |				14.48	23.583	2.17	7.97	11.256	|I	O |				12.48
18.500	4.35	15.02	14.560	| I	O |				14.44	23.667	2.17	7.89	11.217	|I	O |				12.46
18.583	4.13	14.74	14.487	| I	|O |				14.40	23.750	2.17	7.81	11.178	|I	O |				12.43
18.667	3.52	14.46	14.412	| I	|O |				14.36	23.833	2.17	7.73	11.139	|I	O |				12.41
18.750	3.35	14.18	14.337	| I	|O |				14.32	23.917	2.17	7.65	11.101	|I	O |				12.38
18.833	3.07	13.90	14.263	| I	|O |				14.28	24.000	2.17	7.57	11.064	|I	O |				12.36
18.917	2.44	13.62	14.187	|I	|O |				14.24	24.083	1.74	7.49	11.025	|I	O |				12.33
19.000	2.26	13.33	14.110	|I	O |				14.20	24.167	0.52	7.40	10.982	I	O |				12.30
19.083	2.42	13.05	14.036	|I	O |				14.16	24.250	0.17	7.30	10.934	I	O |				12.27
19.167	3.01	12.78	13.966	| I	O |				14.12	24.333	0.05	7.20	10.884	I	O |				12.24
19.250	3.18	12.53	13.900	| I	O |				14.08	24.417	0.02	7.10	10.835	I	O |				12.21
19.333	3.46	12.30	13.837	| I	O |				14.05	24.500	0.00	7.00	10.787	I	O |				12.18
19.417	4.08	12.08	13.779	| I	O |				14.01	24.583	0.00	6.90	10.739	I	O |				12.15
19.500	4.26	11.94	13.725	| I	O |				13.98	24.667	0.00	6.80	10.692	I	O |				12.12
19.583	4.11	11.87	13.672	| I	O|				13.95	24.750	0.00	6.71	10.645	I	O |				12.09
19.667	3.51	11.79	13.617	| I	O|				13.92	24.833	0.00	6.61	10.599	I	O |				12.06
19.750	3.34	11.71	13.559	| I	O|				13.89	24.917	0.00	6.52	10.554	I	O |				12.03
19.833	3.07	11.63	13.501	| I	O|				13.85	25.000	0.00	6.43	10.510	I	O |				12.00
19.917	2.44	11.55	13.440	|I	O|				13.81	25.083	0.00	6.26	10.466	I	O |				11.97
20.000	2.26	11.46	13.377	|I	O|				13.78	25.167	0.00	6.10	10.423	I	O |				11.94
20.083	2.42	11.37	13.315	|I	O|				13.74	25.250	0.00	5.94	10.382	I	O |				11.91
20.167	3.01	11.29	13.255	| I	O|				13.70	25.333	0.00	5.78	10.342	I	O |				11.88
20.250	3.18	11.21	13.199	| I	O|				13.67	25.417	0.00	5.63	10.302	I	O |				11.86
20.333	3.24	11.14	13.144	| I	O|				13.64	25.500	0.00	5.48	10.264	I	O |				11.83
20.417	3.25	11.06	13.090	| I	O|				13.61	25.583	0.00	5.34	10.227	I	O |				11.80
20.500	3.26	10.99	13.037	| I	O|				13.58	25.667	0.00	5.20	10.190	I	O |				11.78
20.583	3.26	10.92	12.984	| I	O|				13.54	25.750	0.00	5.06	10.155	I	O |				11.75
20.667	3.26	10.84	12.931	| I	O|				13.51	25.833	0.00	4.93	10.121	I	O |				11.73
20.750	3.26	10.77	12.879	| I	O|				13.48	25.917	0.00	4.80	10.087	I	O |				11.71
20.833	3.04	10.70	12.827	| I	O|				13.45	26.000	0.00	4.68	10.054	I	O |				11.68
20.917	2.43	10.63	12.772	|I	O|				13.42	26.083	0.00	4.55	10.023	I	O |				11.66
21.000	2.26	10.55	12.715	|I	O|				13.38	26.167	0.00	4.44	9.992	I	O |				11.64
21.083	2.42	10.47	12.659	|I	O|				13.35	26.250	0.00	4.32	9.962	I	O |				11.62
21.167	3.01	10.40	12.606	| I	O |				13.32	26.333	0.00	4.21	9.932	I	O |				11.60
21.250	3.18	10.33	12.556	| I	O |				13.29	26.417	0.00	4.10	9.904	I	O |				11.58
21.333	3.02	10.26	12.506	| I	O |				13.26	26.500	0.00	3.99	9.876	I	O |				11.56
21.417	2.42	10.19	12.455	|I	O |				13.23	26.583	0.00	3.88	9.849	I	O |				11.54
21.500	2.26	10.11	12.401	|I	O |				13.20	26.667	0.00	3.78	9.822	I	O |				11.52
21.583	2.42	10.04	12.348	|I	O |				13.17	26.750	0.00	3.68	9.797	I	O |				11.51
21.667	3.01	9.97	12.298	| I	O |				13.14	26.833	0.00	3.59	9.771	I	O |				11.49
21.750	3.18	9.90	12.250	| I	O |				13.11	26.917	0.00	3.49	9.747	I	O |				11.47
21.833	3.02	9.84	12.204	| I	O |				13.08	27.000	0.00	3.40	9.723	I	O |				11.45
21.917	2.42	9.77	12.155	|I	O |				13.05	27.083	0.00	3.31	9.700	I	O |				11.44
22.000	2.26	9.70	12.104	|I	O |				13.02	27.167	0.00	3.23	9.678	I	O |				11.42
22.083	2.42	9.62	12.054	|I	O |				12.99	27.250	0.00	3.14	9.656	I	O |				11.41
22.167	3.01	9.53	12.006	| I	O |				12.96	27.333	0.00	3.06	9.634	I	O |				11.39
22.250	3.18	9.44	11.962	| I	O |				12.93	27.417	0.00	2.98	9.614	I	O |				11.38
22.333	3.02	9.35	11.919	| I	O |				12.91	27.500	0.00	2.90	9.593	IO	|				11.36
22.417	2.42	9.25	11.874	|I	O |				12.88	27.583	0.00	2.83	9.574	IO	|				11.35
22.500	2.26	9.15	11.826	|I	O |				12.85	27.667	0.00	2.75	9.554	IO	|				11.34
22.583	2.20	9.06	11.779	|I	O |				12.82	27.750	0.00	2.68	9.536	IO	|				11.32
22.667	2.18	8.96	11.732	|I	O |				12.79	27.833	0.00	2.61	9.518	IO	|				11.31
22.750	2.18	8.86	11.686	|I	O |				12.76	27.917	0.00	2.54	9.500	IO	|				11.30
22.833	2.17	8.77	11.640	|I	O |				12.73	28.000	0.00	2.47	9.483	IO	|				11.29
22.917	2.17	8.67	11.595	|I	O |				12.70	28.083	0.00	2.41	9.466	IO	|				11.27
23.000	2.17	8.58	11.550	|I	O |				12.67	28.167	0.00	2.35	9.449	IO	|				11.26
23.083	2.17	8.49	11.507	|I	O |				12.64	28.250	0.00	2.29	9.433	IO	|				11.25
23.167	2.17	8.40	11.463	|I	O |				12.61	28.333	0.00	2.23	9.418	IO	|				11.24
23.250	2.17	8.31	11.421	|I	O |				12.59	28.417	0.00	2.17	9.403	IO	|				11.23
23.333	2.17	8.23	11.379	|I	O |				12.56	28.500	0.00	2.11	9.388	IO	|				11.22

28.583	0.00	2.06	9.374	IO	|	|	|	|	11.21	33.750	0.00	0.88	8.885	O	|	|	|	|	10.86
28.667	0.00	2.00	9.360	IO	|	|	|	|	11.20	33.833	0.00	0.88	8.879	O	|	|	|	|	10.85
28.750	0.00	1.95	9.346	IO	|	|	|	|	11.19	33.917	0.00	0.88	8.873	O	|	|	|	|	10.85
28.833	0.00	1.90	9.333	IO	|	|	|	|	11.18	34.000	0.00	0.88	8.867	O	|	|	|	|	10.85
28.917	0.00	1.85	9.320	IO	|	|	|	|	11.17	34.083	0.00	0.88	8.861	O	|	|	|	|	10.84
29.000	0.00	1.80	9.307	IO	|	|	|	|	11.16	34.167	0.00	0.88	8.855	O	|	|	|	|	10.84
29.083	0.00	1.75	9.295	IO	|	|	|	|	11.16	34.250	0.00	0.88	8.848	O	|	|	|	|	10.83
29.167	0.00	1.71	9.283	IO	|	|	|	|	11.15	34.333	0.00	0.88	8.842	O	|	|	|	|	10.83
29.250	0.00	1.66	9.272	IO	|	|	|	|	11.14	34.417	0.00	0.88	8.836	O	|	|	|	|	10.82
29.333	0.00	1.62	9.260	IO	|	|	|	|	11.13	34.500	0.00	0.88	8.830	O	|	|	|	|	10.82
29.417	0.00	1.58	9.249	IO	|	|	|	|	11.12	34.583	0.00	0.88	8.824	O	|	|	|	|	10.81
29.500	0.00	1.54	9.239	IO	|	|	|	|	11.12	34.667	0.00	0.88	8.818	O	|	|	|	|	10.81
29.583	0.00	1.50	9.228	IO	|	|	|	|	11.11	34.750	0.00	0.88	8.812	O	|	|	|	|	10.80
29.667	0.00	1.46	9.218	O	|	|	|	|	11.10	34.833	0.00	0.88	8.806	O	|	|	|	|	10.80
29.750	0.00	1.42	9.208	O	|	|	|	|	11.10	34.917	0.00	0.88	8.800	O	|	|	|	|	10.79
29.833	0.00	1.38	9.198	O	|	|	|	|	11.09	35.000	0.00	0.88	8.794	O	|	|	|	|	10.79
29.917	0.00	1.34	9.189	O	|	|	|	|	11.08	35.083	0.00	0.88	8.788	O	|	|	|	|	10.79
30.000	0.00	1.31	9.180	O	|	|	|	|	11.08	35.167	0.00	0.88	8.782	O	|	|	|	|	10.78
30.083	0.00	1.28	9.171	O	|	|	|	|	11.07	35.250	0.00	0.88	8.776	O	|	|	|	|	10.78
30.167	0.00	1.24	9.162	O	|	|	|	|	11.06	35.333	0.00	0.88	8.769	O	|	|	|	|	10.77
30.250	0.00	1.21	9.154	O	|	|	|	|	11.06	35.417	0.00	0.88	8.763	O	|	|	|	|	10.77
30.333	0.00	1.18	9.146	O	|	|	|	|	11.05	35.500	0.00	0.88	8.757	O	|	|	|	|	10.76
30.417	0.00	1.15	9.138	O	|	|	|	|	11.05	35.583	0.00	0.88	8.751	O	|	|	|	|	10.76
30.500	0.00	1.12	9.130	O	|	|	|	|	11.04	35.667	0.00	0.88	8.745	O	|	|	|	|	10.75
30.583	0.00	1.09	9.122	O	|	|	|	|	11.04	35.750	0.00	0.88	8.739	O	|	|	|	|	10.75
30.667	0.00	1.06	9.115	O	|	|	|	|	11.03	35.833	0.00	0.88	8.733	O	|	|	|	|	10.74
30.750	0.00	1.03	9.108	O	|	|	|	|	11.03	35.917	0.00	0.88	8.727	O	|	|	|	|	10.74
30.833	0.00	1.00	9.101	O	|	|	|	|	11.02	36.000	0.00	0.88	8.721	O	|	|	|	|	10.73
30.917	0.00	0.98	9.094	O	|	|	|	|	11.02	36.083	0.00	0.88	8.715	O	|	|	|	|	10.73
31.000	0.00	0.95	9.087	O	|	|	|	|	11.01	36.167	0.00	0.88	8.709	O	|	|	|	|	10.73
31.083	0.00	0.93	9.081	O	|	|	|	|	11.01	36.250	0.00	0.88	8.703	O	|	|	|	|	10.72
31.167	0.00	0.90	9.074	O	|	|	|	|	11.00	36.333	0.00	0.88	8.697	O	|	|	|	|	10.72
31.250	0.00	0.89	9.068	O	|	|	|	|	11.00	36.417	0.00	0.88	8.691	O	|	|	|	|	10.71
31.333	0.00	0.89	9.062	O	|	|	|	|	10.99	36.500	0.00	0.88	8.685	O	|	|	|	|	10.71
31.417	0.00	0.89	9.056	O	|	|	|	|	10.99	36.583	0.00	0.88	8.679	O	|	|	|	|	10.70
31.500	0.00	0.89	9.050	O	|	|	|	|	10.98	36.667	0.00	0.88	8.673	O	|	|	|	|	10.70
31.583	0.00	0.89	9.044	O	|	|	|	|	10.98	36.750	0.00	0.88	8.667	O	|	|	|	|	10.69
31.667	0.00	0.89	9.038	O	|	|	|	|	10.97	36.833	0.00	0.88	8.660	O	|	|	|	|	10.69
31.750	0.00	0.89	9.032	O	|	|	|	|	10.97	36.917	0.00	0.88	8.654	O	|	|	|	|	10.68
31.833	0.00	0.89	9.025	O	|	|	|	|	10.97	37.000	0.00	0.88	8.648	O	|	|	|	|	10.68
31.917	0.00	0.89	9.019	O	|	|	|	|	10.96	37.083	0.00	0.88	8.642	O	|	|	|	|	10.67
32.000	0.00	0.89	9.013	O	|	|	|	|	10.96	37.167	0.00	0.88	8.636	O	|	|	|	|	10.67
32.083	0.00	0.89	9.007	O	|	|	|	|	10.95	37.250	0.00	0.88	8.630	O	|	|	|	|	10.67
32.167	0.00	0.89	9.001	O	|	|	|	|	10.95	37.333	0.00	0.88	8.624	O	|	|	|	|	10.66
32.250	0.00	0.89	8.995	O	|	|	|	|	10.94	37.417	0.00	0.88	8.618	O	|	|	|	|	10.66
32.333	0.00	0.89	8.989	O	|	|	|	|	10.94	37.500	0.00	0.88	8.612	O	|	|	|	|	10.65
32.417	0.00	0.89	8.983	O	|	|	|	|	10.93	37.583	0.00	0.88	8.606	O	|	|	|	|	10.65
32.500	0.00	0.89	8.976	O	|	|	|	|	10.93	37.667	0.00	0.88	8.600	O	|	|	|	|	10.64
32.583	0.00	0.89	8.970	O	|	|	|	|	10.92	37.750	0.00	0.88	8.594	O	|	|	|	|	10.64
32.667	0.00	0.89	8.964	O	|	|	|	|	10.92	37.833	0.00	0.88	8.588	O	|	|	|	|	10.63
32.750	0.00	0.89	8.958	O	|	|	|	|	10.91	37.917	0.00	0.88	8.582	O	|	|	|	|	10.63
32.833	0.00	0.89	8.952	O	|	|	|	|	10.91	38.000	0.00	0.87	8.576	O	|	|	|	|	10.62
32.917	0.00	0.89	8.946	O	|	|	|	|	10.91	38.083	0.00	0.87	8.570	O	|	|	|	|	10.62
33.000	0.00	0.89	8.940	O	|	|	|	|	10.90	38.167	0.00	0.87	8.564	O	|	|	|	|	10.62
33.083	0.00	0.89	8.934	O	|	|	|	|	10.90	38.250	0.00	0.87	8.558	O	|	|	|	|	10.61
33.167	0.00	0.89	8.928	O	|	|	|	|	10.89	38.333	0.00	0.87	8.552	O	|	|	|	|	10.61
33.250	0.00	0.89	8.922	O	|	|	|	|	10.89	38.417	0.00	0.87	8.546	O	|	|	|	|	10.60
33.333	0.00	0.89	8.915	O	|	|	|	|	10.88	38.500	0.00	0.87	8.540	O	|	|	|	|	10.60
33.417	0.00	0.89	8.909	O	|	|	|	|	10.88	38.583	0.00	0.87	8.534	O	|	|	|	|	10.59
33.500	0.00	0.88	8.903	O	|	|	|	|	10.87	38.667	0.00	0.87	8.528	O	|	|	|	|	10.59
33.583	0.00	0.88	8.897	O	|	|	|	|	10.87	38.750	0.00	0.87	8.522	O	|	|	|	|	10.58
33.667	0.00	0.88	8.891	O	|	|	|	|	10.86	38.833	0.00	0.87	8.516	O	|	|	|	|	10.58

38.917	0.00	0.87	8.510	O	|	|	|	|	10.57	44.083	0.00	0.86	8.139	O	|	|	|	|	10.29
39.000	0.00	0.87	8.504	O	|	|	|	|	10.57	44.167	0.00	0.86	8.134	O	|	|	|	|	10.29
39.083	0.00	0.87	8.498	O	|	|	|	|	10.57	44.250	0.00	0.86	8.128	O	|	|	|	|	10.28
39.167	0.00	0.87	8.492	O	|	|	|	|	10.56	44.333	0.00	0.86	8.122	O	|	|	|	|	10.28
39.250	0.00	0.87	8.486	O	|	|	|	|	10.56	44.417	0.00	0.86	8.116	O	|	|	|	|	10.28
39.333	0.00	0.87	8.480	O	|	|	|	|	10.55	44.500	0.00	0.86	8.110	O	|	|	|	|	10.27
39.417	0.00	0.87	8.474	O	|	|	|	|	10.55	44.583	0.00	0.86	8.104	O	|	|	|	|	10.27
39.500	0.00	0.87	8.468	O	|	|	|	|	10.54	44.667	0.00	0.86	8.098	O	|	|	|	|	10.26
39.583	0.00	0.87	8.462	O	|	|	|	|	10.54	44.750	0.00	0.86	8.092	O	|	|	|	|	10.26
39.667	0.00	0.87	8.456	O	|	|	|	|	10.53	44.833	0.00	0.86	8.086	O	|	|	|	|	10.25
39.750	0.00	0.87	8.450	O	|	|	|	|	10.53	44.917	0.00	0.86	8.080	O	|	|	|	|	10.25
39.833	0.00	0.87	8.444	O	|	|	|	|	10.52	45.000	0.00	0.86	8.074	O	|	|	|	|	10.24
39.917	0.00	0.87	8.438	O	|	|	|	|	10.52	45.083	0.00	0.86	8.068	O	|	|	|	|	10.24
40.000	0.00	0.87	8.432	O	|	|	|	|	10.51	45.167	0.00	0.86	8.062	O	|	|	|	|	10.23
40.083	0.00	0.87	8.426	O	|	|	|	|	10.51	45.250	0.00	0.86	8.056	O	|	|	|	|	10.23
40.167	0.00	0.87	8.420	O	|	|	|	|	10.51	45.333	0.00	0.86	8.051	O	|	|	|	|	10.23
40.250	0.00	0.87	8.414	O	|	|	|	|	10.50	45.417	0.00	0.86	8.045	O	|	|	|	|	10.22
40.333	0.00	0.87	8.408	O	|	|	|	|	10.50	45.500	0.00	0.86	8.039	O	|	|	|	|	10.22
40.417	0.00	0.87	8.402	O	|	|	|	|	10.49	45.583	0.00	0.86	8.033	O	|	|	|	|	10.21
40.500	0.00	0.87	8.396	O	|	|	|	|	10.49	45.667	0.00	0.86	8.027	O	|	|	|	|	10.21
40.583	0.00	0.87	8.390	O	|	|	|	|	10.48	45.750	0.00	0.86	8.021	O	|	|	|	|	10.20
40.667	0.00	0.87	8.384	O	|	|	|	|	10.48	45.833	0.00	0.86	8.015	O	|	|	|	|	10.20
40.750	0.00	0.87	8.378	O	|	|	|	|	10.47	45.917	0.00	0.86	8.009	O	|	|	|	|	10.19
40.833	0.00	0.87	8.372	O	|	|	|	|	10.47	46.000	0.00	0.86	8.003	O	|	|	|	|	10.19
40.917	0.00	0.87	8.366	O	|	|	|	|	10.46	46.083	0.00	0.86	7.997	O	|	|	|	|	10.19
41.000	0.00	0.87	8.360	O	|	|	|	|	10.46	46.167	0.00	0.86	7.991	O	|	|	|	|	10.18
41.083	0.00	0.87	8.354	O	|	|	|	|	10.46	46.250	0.00	0.86	7.986	O	|	|	|	|	10.18
41.167	0.00	0.87	8.348	O	|	|	|	|	10.45	46.333	0.00	0.86	7.980	O	|	|	|	|	10.17
41.250	0.00	0.87	8.342	O	|	|	|	|	10.45	46.417	0.00	0.86	7.974	O	|	|	|	|	10.17
41.333	0.00	0.87	8.336	O	|	|	|	|	10.44	46.500	0.00	0.86	7.968	O	|	|	|	|	10.16
41.417	0.00	0.87	8.330	O	|	|	|	|	10.44	46.583	0.00	0.86	7.962	O	|	|	|	|	10.16
41.500	0.00	0.87	8.324	O	|	|	|	|	10.43	46.667	0.00	0.86	7.956	O	|	|	|	|	10.15
41.583	0.00	0.87	8.318	O	|	|	|	|	10.43	46.750	0.00	0.86	7.950	O	|	|	|	|	10.15
41.667	0.00	0.87	8.312	O	|	|	|	|	10.42	46.833	0.00	0.86	7.944	O	|	|	|	|	10.15
41.750	0.00	0.87	8.306	O	|	|	|	|	10.42	46.917	0.00	0.86	7.938	O	|	|	|	|	10.14
41.833	0.00	0.87	8.300	O	|	|	|	|	10.42	47.000	0.00	0.86	7.932	O	|	|	|	|	10.14
41.917	0.00	0.87	8.294	O	|	|	|	|	10.41	47.083	0.00	0.86	7.927	O	|	|	|	|	10.13
42.000	0.00	0.87	8.288	O	|	|	|	|	10.41	47.167	0.00	0.86	7.921	O	|	|	|	|	10.13
42.083	0.00	0.87	8.282	O	|	|	|	|	10.40	47.250	0.00	0.85	7.915	O	|	|	|	|	10.12
42.167	0.00	0.87	8.276	O	|	|	|	|	10.40	47.333	0.00	0.85	7.909	O	|	|	|	|	10.12
42.250	0.00	0.87	8.270	O	|	|	|	|	10.39	47.417	0.00	0.85	7.903	O	|	|	|	|	10.11
42.333	0.00	0.87	8.264	O	|	|	|	|	10.39	47.500	0.00	0.85	7.897	O	|	|	|	|	10.11
42.417	0.00	0.87	8.258	O	|	|	|	|	10.38	47.583	0.00	0.85	7.891	O	|	|	|	|	10.10
42.500	0.00	0.87	8.252	O	|	|	|	|	10.38	47.667	0.00	0.85	7.885	O	|	|	|	|	10.10
42.583	0.00	0.86	8.246	O	|	|	|	|	10.37	47.750	0.00	0.85	7.880	O	|	|	|	|	10.10
42.667	0.00	0.86	8.241	O	|	|	|	|	10.37	47.833	0.00	0.85	7.874	O	|	|	|	|	10.09
42.750	0.00	0.86	8.235	O	|	|	|	|	10.37	47.917	0.00	0.85	7.868	O	|	|	|	|	10.09
42.833	0.00	0.86	8.229	O	|	|	|	|	10.36	48.000	0.00	0.85	7.862	O	|	|	|	|	10.08
42.917	0.00	0.86	8.223	O	|	|	|	|	10.36	48.083	0.00	0.85	7.856	O	|	|	|	|	10.08
43.000	0.00	0.86	8.217	O	|	|	|	|	10.35	48.167	0.00	0.85	7.850	O	|	|	|	|	10.07
43.083	0.00	0.86	8.211	O	|	|	|	|	10.35	48.250	0.00	0.85	7.844	O	|	|	|	|	10.07
43.167	0.00	0.86	8.205	O	|	|	|	|	10.34	48.333	0.00	0.85	7.838	O	|	|	|	|	10.06
43.250	0.00	0.86	8.199	O	|	|	|	|	10.34	48.417	0.00	0.85	7.833	O	|	|	|	|	10.06
43.333	0.00	0.86	8.193	O	|	|	|	|	10.33	48.500	0.00	0.85	7.827	O	|	|	|	|	10.06
43.417	0.00	0.86	8.187	O	|	|	|	|	10.33	48.583	0.00	0.85	7.821	O	|	|	|	|	10.05
43.500	0.00	0.86	8.181	O	|	|	|	|	10.32	48.667	0.00	0.85	7.815	O	|	|	|	|	10.05
43.583	0.00	0.86	8.175	O	|	|	|	|	10.32	48.750	0.00	0.85	7.809	O	|	|	|	|	10.04
43.667	0.00	0.86	8.169	O	|	|	|	|	10.32	48.833	0.00	0.85	7.803	O	|	|	|	|	10.04
43.750	0.00	0.86	8.163	O	|	|	|	|	10.31	48.917	0.00	0.85	7.797	O	|	|	|	|	10.03
43.833	0.00	0.86	8.157	O	|	|	|	|	10.31	49.000	0.00	0.85	7.791	O	|	|	|	|	10.03
43.917	0.00	0.86	8.151	O	|	|	|	|	10.30	49.083	0.00	0.85	7.786	O	|	|	|	|	10.02
44.000	0.00	0.86	8.145	O	|	|	|	|	10.30	49.167	0.00	0.85	7.780	O	|	|	|	|	10.02

49.250	0.00	0.85	7.774	O	|	|	|	|	10.02	54.417	0.00	0.84	7.414	O	|	|	|	|	9.72
49.333	0.00	0.85	7.768	O	|	|	|	|	10.01	54.500	0.00	0.84	7.408	O	|	|	|	|	9.71
49.417	0.00	0.85	7.762	O	|	|	|	|	10.01	54.583	0.00	0.84	7.402	O	|	|	|	|	9.71
49.500	0.00	0.85	7.756	O	|	|	|	|	10.00	54.667	0.00	0.84	7.396	O	|	|	|	|	9.70
49.583	0.00	0.85	7.750	O	|	|	|	|	10.00	54.750	0.00	0.83	7.391	O	|	|	|	|	9.70
49.667	0.00	0.85	7.745	O	|	|	|	|	9.99	54.833	0.00	0.83	7.385	O	|	|	|	|	9.69
49.750	0.00	0.85	7.739	O	|	|	|	|	9.99	54.917	0.00	0.83	7.379	O	|	|	|	|	9.69
49.833	0.00	0.85	7.733	O	|	|	|	|	9.98	55.000	0.00	0.83	7.373	O	|	|	|	|	9.69
49.917	0.00	0.85	7.727	O	|	|	|	|	9.98	55.083	0.00	0.83	7.368	O	|	|	|	|	9.68
50.000	0.00	0.85	7.721	O	|	|	|	|	9.97	55.167	0.00	0.83	7.362	O	|	|	|	|	9.68
50.083	0.00	0.85	7.715	O	|	|	|	|	9.97	55.250	0.00	0.83	7.356	O	|	|	|	|	9.67
50.167	0.00	0.85	7.710	O	|	|	|	|	9.96	55.333	0.00	0.83	7.351	O	|	|	|	|	9.67
50.250	0.00	0.85	7.704	O	|	|	|	|	9.96	55.417	0.00	0.83	7.345	O	|	|	|	|	9.66
50.333	0.00	0.85	7.698	O	|	|	|	|	9.95	55.500	0.00	0.83	7.339	O	|	|	|	|	9.66
50.417	0.00	0.85	7.692	O	|	|	|	|	9.95	55.583	0.00	0.83	7.333	O	|	|	|	|	9.65
50.500	0.00	0.85	7.686	O	|	|	|	|	9.94	55.667	0.00	0.83	7.328	O	|	|	|	|	9.65
50.583	0.00	0.85	7.680	O	|	|	|	|	9.94	55.750	0.00	0.83	7.322	O	|	|	|	|	9.64
50.667	0.00	0.85	7.674	O	|	|	|	|	9.93	55.833	0.00	0.83	7.316	O	|	|	|	|	9.64
50.750	0.00	0.85	7.669	O	|	|	|	|	9.93	55.917	0.00	0.83	7.310	O	|	|	|	|	9.63
50.833	0.00	0.85	7.663	O	|	|	|	|	9.93	56.000	0.00	0.83	7.305	O	|	|	|	|	9.63
50.917	0.00	0.85	7.657	O	|	|	|	|	9.92	56.083	0.00	0.83	7.299	O	|	|	|	|	9.62
51.000	0.00	0.85	7.651	O	|	|	|	|	9.92	56.167	0.00	0.83	7.293	O	|	|	|	|	9.62
51.083	0.00	0.85	7.645	O	|	|	|	|	9.91	56.250	0.00	0.83	7.287	O	|	|	|	|	9.61
51.167	0.00	0.85	7.640	O	|	|	|	|	9.91	56.333	0.00	0.83	7.282	O	|	|	|	|	9.61
51.250	0.00	0.85	7.634	O	|	|	|	|	9.90	56.417	0.00	0.83	7.276	O	|	|	|	|	9.60
51.333	0.00	0.84	7.628	O	|	|	|	|	9.90	56.500	0.00	0.83	7.270	O	|	|	|	|	9.60
51.417	0.00	0.84	7.622	O	|	|	|	|	9.89	56.583	0.00	0.83	7.265	O	|	|	|	|	9.60
51.500	0.00	0.84	7.616	O	|	|	|	|	9.89	56.667	0.00	0.83	7.259	O	|	|	|	|	9.59
51.583	0.00	0.84	7.610	O	|	|	|	|	9.88	56.750	0.00	0.83	7.253	O	|	|	|	|	9.59
51.667	0.00	0.84	7.605	O	|	|	|	|	9.88	56.833	0.00	0.83	7.247	O	|	|	|	|	9.58
51.750	0.00	0.84	7.599	O	|	|	|	|	9.87	56.917	0.00	0.83	7.242	O	|	|	|	|	9.58
51.833	0.00	0.84	7.593	O	|	|	|	|	9.87	57.000	0.00	0.83	7.236	O	|	|	|	|	9.57
51.917	0.00	0.84	7.587	O	|	|	|	|	9.86	57.083	0.00	0.83	7.230	O	|	|	|	|	9.57
52.000	0.00	0.84	7.581	O	|	|	|	|	9.86	57.167	0.00	0.83	7.225	O	|	|	|	|	9.56
52.083	0.00	0.84	7.576	O	|	|	|	|	9.85	57.250	0.00	0.83	7.219	O	|	|	|	|	9.56
52.167	0.00	0.84	7.570	O	|	|	|	|	9.85	57.333	0.00	0.83	7.213	O	|	|	|	|	9.55
52.250	0.00	0.84	7.564	O	|	|	|	|	9.84	57.417	0.00	0.83	7.208	O	|	|	|	|	9.55
52.333	0.00	0.84	7.558	O	|	|	|	|	9.84	57.500	0.00	0.83	7.202	O	|	|	|	|	9.54
52.417	0.00	0.84	7.552	O	|	|	|	|	9.83	57.583	0.00	0.83	7.196	O	|	|	|	|	9.54
52.500	0.00	0.84	7.547	O	|	|	|	|	9.83	57.667	0.00	0.83	7.190	O	|	|	|	|	9.53
52.583	0.00	0.84	7.541	O	|	|	|	|	9.82	57.750	0.00	0.83	7.185	O	|	|	|	|	9.53
52.667	0.00	0.84	7.535	O	|	|	|	|	9.82	57.833	0.00	0.83	7.179	O	|	|	|	|	9.52
52.750	0.00	0.84	7.529	O	|	|	|	|	9.81	57.917	0.00	0.83	7.173	O	|	|	|	|	9.52
52.833	0.00	0.84	7.523	O	|	|	|	|	9.81	58.000	0.00	0.83	7.168	O	|	|	|	|	9.51
52.917	0.00	0.84	7.518	O	|	|	|	|	9.80	58.083	0.00	0.83	7.162	O	|	|	|	|	9.51
53.000	0.00	0.84	7.512	O	|	|	|	|	9.80	58.167	0.00	0.83	7.156	O	|	|	|	|	9.51
53.083	0.00	0.84	7.506	O	|	|	|	|	9.80	58.250	0.00	0.83	7.151	O	|	|	|	|	9.50
53.167	0.00	0.84	7.500	O	|	|	|	|	9.79	58.333	0.00	0.82	7.145	O	|	|	|	|	9.50
53.250	0.00	0.84	7.495	O	|	|	|	|	9.79	58.417	0.00	0.82	7.139	O	|	|	|	|	9.49
53.333	0.00	0.84	7.489	O	|	|	|	|	9.78	58.500	0.00	0.82	7.134	O	|	|	|	|	9.49
53.417	0.00	0.84	7.483	O	|	|	|	|	9.78	58.583	0.00	0.82	7.128	O	|	|	|	|	9.48
53.500	0.00	0.84	7.477	O	|	|	|	|	9.77	58.667	0.00	0.82	7.122	O	|	|	|	|	9.48
53.583	0.00	0.84	7.471	O	|	|	|	|	9.77	58.750	0.00	0.82	7.117	O	|	|	|	|	9.47
53.667	0.00	0.84	7.466	O	|	|	|	|	9.76	58.833	0.00	0.82	7.111	O	|	|	|	|	9.47
53.750	0.00	0.84	7.460	O	|	|	|	|	9.76	58.917	0.00	0.82	7.105	O	|	|	|	|	9.46
53.833	0.00	0.84	7.454	O	|	|	|	|	9.75	59.000	0.00	0.82	7.100	O	|	|	|	|	9.46
53.917	0.00	0.84	7.448	O	|	|	|	|	9.75	59.083	0.00	0.82	7.094	O	|	|	|	|	9.45
54.000	0.00	0.84	7.443	O	|	|	|	|	9.74	59.167	0.00	0.82	7.088	O	|	|	|	|	9.45
54.083	0.00	0.84	7.437	O	|	|	|	|	9.74	59.250	0.00	0.82	7.083	O	|	|	|	|	9.44
54.167	0.00	0.84	7.431	O	|	|	|	|	9.73	59.333	0.00	0.82	7.077	O	|	|	|	|	9.44
54.250	0.00	0.84	7.425	O	|	|	|	|	9.73	59.417	0.00	0.82	7.071	O	|	|	|	|	9.43
54.333	0.00	0.84	7.420	O	|	|	|	|	9.72	59.500	0.00	0.82	7.066	O	|	|	|	|	9.43

59.583	0.00	0.82	7.060	O	|	|	|	|	9.43	64.750	0.00	0.81	6.712	O	|	|	|	|	9.14
59.667	0.00	0.82	7.054	O	|	|	|	|	9.42	64.833	0.00	0.81	6.707	O	|	|	|	|	9.13
59.750	0.00	0.82	7.049	O	|	|	|	|	9.42	64.917	0.00	0.81	6.701	O	|	|	|	|	9.13
59.833	0.00	0.82	7.043	O	|	|	|	|	9.41	65.000	0.00	0.81	6.696	O	|	|	|	|	9.12
59.917	0.00	0.82	7.037	O	|	|	|	|	9.41	65.083	0.00	0.81	6.690	O	|	|	|	|	9.12
60.000	0.00	0.82	7.032	O	|	|	|	|	9.40	65.167	0.00	0.81	6.685	O	|	|	|	|	9.11
60.083	0.00	0.82	7.026	O	|	|	|	|	9.40	65.250	0.00	0.81	6.679	O	|	|	|	|	9.11
60.167	0.00	0.82	7.020	O	|	|	|	|	9.39	65.333	0.00	0.81	6.673	O	|	|	|	|	9.10
60.250	0.00	0.82	7.015	O	|	|	|	|	9.39	65.417	0.00	0.81	6.668	O	|	|	|	|	9.10
60.333	0.00	0.82	7.009	O	|	|	|	|	9.38	65.500	0.00	0.80	6.662	O	|	|	|	|	9.10
60.417	0.00	0.82	7.003	O	|	|	|	|	9.38	65.583	0.00	0.80	6.657	O	|	|	|	|	9.09
60.500	0.00	0.82	6.998	O	|	|	|	|	9.37	65.667	0.00	0.80	6.651	O	|	|	|	|	9.09
60.583	0.00	0.82	6.992	O	|	|	|	|	9.37	65.750	0.00	0.80	6.646	O	|	|	|	|	9.08
60.667	0.00	0.82	6.987	O	|	|	|	|	9.36	65.833	0.00	0.80	6.640	O	|	|	|	|	9.08
60.750	0.00	0.82	6.981	O	|	|	|	|	9.36	65.917	0.00	0.80	6.635	O	|	|	|	|	9.07
60.833	0.00	0.82	6.975	O	|	|	|	|	9.36	66.000	0.00	0.80	6.629	O	|	|	|	|	9.07
60.917	0.00	0.82	6.970	O	|	|	|	|	9.35	66.083	0.00	0.80	6.624	O	|	|	|	|	9.06
61.000	0.00	0.82	6.964	O	|	|	|	|	9.35	66.167	0.00	0.80	6.618	O	|	|	|	|	9.06
61.083	0.00	0.82	6.958	O	|	|	|	|	9.34	66.250	0.00	0.80	6.613	O	|	|	|	|	9.05
61.167	0.00	0.82	6.953	O	|	|	|	|	9.34	66.333	0.00	0.80	6.607	O	|	|	|	|	9.05
61.250	0.00	0.82	6.947	O	|	|	|	|	9.33	66.417	0.00	0.80	6.602	O	|	|	|	|	9.05
61.333	0.00	0.82	6.942	O	|	|	|	|	9.33	66.500	0.00	0.80	6.596	O	|	|	|	|	9.04
61.417	0.00	0.82	6.936	O	|	|	|	|	9.32	66.583	0.00	0.80	6.590	O	|	|	|	|	9.04
61.500	0.00	0.82	6.930	O	|	|	|	|	9.32	66.667	0.00	0.80	6.585	O	|	|	|	|	9.03
61.583	0.00	0.82	6.925	O	|	|	|	|	9.31	66.750	0.00	0.80	6.579	O	|	|	|	|	9.03
61.667	0.00	0.82	6.919	O	|	|	|	|	9.31	66.833	0.00	0.80	6.574	O	|	|	|	|	9.02
61.750	0.00	0.82	6.913	O	|	|	|	|	9.30	66.917	0.00	0.80	6.568	O	|	|	|	|	9.02
61.833	0.00	0.81	6.908	O	|	|	|	|	9.30	67.000	0.00	0.80	6.563	O	|	|	|	|	9.01
61.917	0.00	0.81	6.902	O	|	|	|	|	9.29	67.083	0.00	0.80	6.557	O	|	|	|	|	9.01
62.000	0.00	0.81	6.897	O	|	|	|	|	9.29	67.167	0.00	0.80	6.552	O	|	|	|	|	9.00
62.083	0.00	0.81	6.891	O	|	|	|	|	9.29	67.250	0.00	0.80	6.546	O	|	|	|	|	9.00
62.167	0.00	0.81	6.885	O	|	|	|	|	9.28	67.333	0.00	0.80	6.541	O	|	|	|	|	8.99
62.250	0.00	0.81	6.880	O	|	|	|	|	9.28	67.417	0.00	0.80	6.535	O	|	|	|	|	8.99
62.333	0.00	0.81	6.874	O	|	|	|	|	9.27	67.500	0.00	0.80	6.530	O	|	|	|	|	8.98
62.417	0.00	0.81	6.869	O	|	|	|	|	9.27	67.583	0.00	0.80	6.524	O	|	|	|	|	8.98
62.500	0.00	0.81	6.863	O	|	|	|	|	9.26	67.667	0.00	0.80	6.519	O	|	|	|	|	8.97
62.583	0.00	0.81	6.857	O	|	|	|	|	9.26	67.750	0.00	0.80	6.513	O	|	|	|	|	8.97
62.667	0.00	0.81	6.852	O	|	|	|	|	9.25	67.833	0.00	0.80	6.508	O	|	|	|	|	8.96
62.750	0.00	0.81	6.846	O	|	|	|	|	9.25	67.917	0.00	0.80	6.502	O	|	|	|	|	8.96
62.833	0.00	0.81	6.841	O	|	|	|	|	9.24	68.000	0.00	0.80	6.497	O	|	|	|	|	8.95
62.917	0.00	0.81	6.835	O	|	|	|	|	9.24	68.083	0.00	0.80	6.491	O	|	|	|	|	8.95
63.000	0.00	0.81	6.829	O	|	|	|	|	9.23	68.167	0.00	0.80	6.486	O	|	|	|	|	8.94
63.083	0.00	0.81	6.824	O	|	|	|	|	9.23	68.250	0.00	0.80	6.480	O	|	|	|	|	8.94
63.167	0.00	0.81	6.818	O	|	|	|	|	9.22	68.333	0.00	0.80	6.475	O	|	|	|	|	8.93
63.250	0.00	0.81	6.813	O	|	|	|	|	9.22	68.417	0.00	0.80	6.469	O	|	|	|	|	8.93
63.333	0.00	0.81	6.807	O	|	|	|	|	9.22	68.500	0.00	0.80	6.464	O	|	|	|	|	8.92
63.417	0.00	0.81	6.801	O	|	|	|	|	9.21	68.583	0.00	0.80	6.458	O	|	|	|	|	8.92
63.500	0.00	0.81	6.796	O	|	|	|	|	9.21	68.667	0.00	0.80	6.453	O	|	|	|	|	8.91
63.583	0.00	0.81	6.790	O	|	|	|	|	9.20	68.750	0.00	0.80	6.447	O	|	|	|	|	8.91
63.667	0.00	0.81	6.785	O	|	|	|	|	9.20	68.833	0.00	0.80	6.442	O	|	|	|	|	8.90
63.750	0.00	0.81	6.779	O	|	|	|	|	9.19	68.917	0.00	0.80	6.436	O	|	|	|	|	8.90
63.833	0.00	0.81	6.774	O	|	|	|	|	9.19	69.000	0.00	0.80	6.431	O	|	|	|	|	8.89
63.917	0.00	0.81	6.768	O	|	|	|	|	9.18	69.083	0.00	0.80	6.425	O	|	|	|	|	8.89
64.000	0.00	0.81	6.762	O	|	|	|	|	9.18	69.167	0.00	0.80	6.420	O	|	|	|	|	8.88
64.083	0.00	0.81	6.757	O	|	|	|	|	9.17	69.250	0.00	0.80	6.415	O	|	|	|	|	8.88
64.167	0.00	0.81	6.751	O	|	|	|	|	9.17	69.333	0.00	0.79	6.409	O	|	|	|	|	8.87
64.250	0.00	0.81	6.746	O	|	|	|	|	9.16	69.417	0.00	0.79	6.404	O	|	|	|	|	8.87
64.333	0.00	0.81	6.740	O	|	|	|	|	9.16	69.500	0.00	0.79	6.398	O	|	|	|	|	8.86
64.417	0.00	0.81	6.735	O	|	|	|	|	9.16	69.583	0.00	0.79	6.393	O	|	|	|	|	8.86
64.500	0.00	0.81	6.729	O	|	|	|	|	9.15	69.667	0.00	0.79	6.387	O	|	|	|	|	8.85
64.583	0.00	0.81	6.723	O	|	|	|	|	9.15	69.750	0.00	0.79	6.382	O	|	|	|	|	8.85
64.667	0.00	0.81	6.718	O	|	|	|	|	9.14	69.833	0.00	0.79	6.376	O	|	|	|	|	8.84

69.917	0.00	0.79	6.371	O	|	|	|	|	8.84	75.083	0.00	0.78	6.035	O	|	|	|	|	8.53
70.000	0.00	0.79	6.365	O	|	|	|	|	8.83	75.167	0.00	0.78	6.029	O	|	|	|	|	8.53
70.083	0.00	0.79	6.360	O	|	|	|	|	8.83	75.250	0.00	0.78	6.024	O	|	|	|	|	8.52
70.167	0.00	0.79	6.354	O	|	|	|	|	8.82	75.333	0.00	0.78	6.018	O	|	|	|	|	8.52
70.250	0.00	0.79	6.349	O	|	|	|	|	8.82	75.417	0.00	0.78	6.013	O	|	|	|	|	8.51
70.333	0.00	0.79	6.343	O	|	|	|	|	8.81	75.500	0.00	0.78	6.008	O	|	|	|	|	8.51
70.417	0.00	0.79	6.338	O	|	|	|	|	8.81	75.583	0.00	0.78	6.002	O	|	|	|	|	8.50
70.500	0.00	0.79	6.333	O	|	|	|	|	8.80	75.667	0.00	0.78	5.997	O	|	|	|	|	8.50
70.583	0.00	0.79	6.327	O	|	|	|	|	8.80	75.750	0.00	0.78	5.992	O	|	|	|	|	8.49
70.667	0.00	0.79	6.322	O	|	|	|	|	8.79	75.833	0.00	0.78	5.986	O	|	|	|	|	8.49
70.750	0.00	0.79	6.316	O	|	|	|	|	8.79	75.917	0.00	0.78	5.981	O	|	|	|	|	8.48
70.833	0.00	0.79	6.311	O	|	|	|	|	8.79	76.000	0.00	0.78	5.975	O	|	|	|	|	8.48
70.917	0.00	0.79	6.305	O	|	|	|	|	8.78	76.083	0.00	0.78	5.970	O	|	|	|	|	8.48
71.000	0.00	0.79	6.300	O	|	|	|	|	8.78	76.167	0.00	0.78	5.965	O	|	|	|	|	8.47
71.083	0.00	0.79	6.294	O	|	|	|	|	8.77	76.250	0.00	0.78	5.959	O	|	|	|	|	8.47
71.167	0.00	0.79	6.289	O	|	|	|	|	8.77	76.333	0.00	0.78	5.954	O	|	|	|	|	8.46
71.250	0.00	0.79	6.283	O	|	|	|	|	8.76	76.417	0.00	0.78	5.949	O	|	|	|	|	8.46
71.333	0.00	0.79	6.278	O	|	|	|	|	8.76	76.500	0.00	0.78	5.943	O	|	|	|	|	8.45
71.417	0.00	0.79	6.273	O	|	|	|	|	8.75	76.583	0.00	0.78	5.938	O	|	|	|	|	8.45
71.500	0.00	0.79	6.267	O	|	|	|	|	8.75	76.667	0.00	0.78	5.933	O	|	|	|	|	8.44
71.583	0.00	0.79	6.262	O	|	|	|	|	8.74	76.750	0.00	0.78	5.927	O	|	|	|	|	8.44
71.667	0.00	0.79	6.256	O	|	|	|	|	8.74	76.833	0.00	0.78	5.922	O	|	|	|	|	8.43
71.750	0.00	0.79	6.251	O	|	|	|	|	8.73	76.917	0.00	0.78	5.916	O	|	|	|	|	8.43
71.833	0.00	0.79	6.245	O	|	|	|	|	8.73	77.000	0.00	0.78	5.911	O	|	|	|	|	8.42
71.917	0.00	0.79	6.240	O	|	|	|	|	8.72	77.083	0.00	0.78	5.906	O	|	|	|	|	8.42
72.000	0.00	0.79	6.235	O	|	|	|	|	8.72	77.167	0.00	0.78	5.900	O	|	|	|	|	8.41
72.083	0.00	0.79	6.229	O	|	|	|	|	8.71	77.250	0.00	0.78	5.895	O	|	|	|	|	8.41
72.167	0.00	0.79	6.224	O	|	|	|	|	8.71	77.333	0.00	0.78	5.890	O	|	|	|	|	8.40
72.250	0.00	0.79	6.218	O	|	|	|	|	8.70	77.417	0.00	0.78	5.884	O	|	|	|	|	8.40
72.333	0.00	0.79	6.213	O	|	|	|	|	8.70	77.500	0.00	0.78	5.879	O	|	|	|	|	8.39
72.417	0.00	0.79	6.207	O	|	|	|	|	8.69	77.583	0.00	0.78	5.874	O	|	|	|	|	8.39
72.500	0.00	0.79	6.202	O	|	|	|	|	8.69	77.667	0.00	0.78	5.868	O	|	|	|	|	8.38
72.583	0.00	0.79	6.197	O	|	|	|	|	8.68	77.750	0.00	0.78	5.863	O	|	|	|	|	8.38
72.667	0.00	0.79	6.191	O	|	|	|	|	8.68	77.833	0.00	0.77	5.858	O	|	|	|	|	8.37
72.750	0.00	0.79	6.186	O	|	|	|	|	8.67	77.917	0.00	0.77	5.852	O	|	|	|	|	8.37
72.833	0.00	0.79	6.180	O	|	|	|	|	8.67	78.000	0.00	0.77	5.847	O	|	|	|	|	8.36
72.917	0.00	0.79	6.175	O	|	|	|	|	8.66	78.083	0.00	0.77	5.842	O	|	|	|	|	8.36
73.000	0.00	0.79	6.169	O	|	|	|	|	8.66	78.167	0.00	0.77	5.836	O	|	|	|	|	8.35
73.083	0.00	0.79	6.164	O	|	|	|	|	8.65	78.250	0.00	0.77	5.831	O	|	|	|	|	8.35
73.167	0.00	0.79	6.159	O	|	|	|	|	8.65	78.333	0.00	0.77	5.826	O	|	|	|	|	8.34
73.250	0.00	0.79	6.153	O	|	|	|	|	8.64	78.417	0.00	0.77	5.820	O	|	|	|	|	8.34
73.333	0.00	0.79	6.148	O	|	|	|	|	8.64	78.500	0.00	0.77	5.815	O	|	|	|	|	8.33
73.417	0.00	0.79	6.142	O	|	|	|	|	8.63	78.583	0.00	0.77	5.810	O	|	|	|	|	8.33
73.500	0.00	0.79	6.137	O	|	|	|	|	8.63	78.667	0.00	0.77	5.804	O	|	|	|	|	8.32
73.583	0.00	0.78	6.132	O	|	|	|	|	8.62	78.750	0.00	0.77	5.799	O	|	|	|	|	8.32
73.667	0.00	0.78	6.126	O	|	|	|	|	8.62	78.833	0.00	0.77	5.794	O	|	|	|	|	8.31
73.750	0.00	0.78	6.121	O	|	|	|	|	8.61	78.917	0.00	0.77	5.788	O	|	|	|	|	8.31
73.833	0.00	0.78	6.115	O	|	|	|	|	8.61	79.000	0.00	0.77	5.783	O	|	|	|	|	8.30
73.917	0.00	0.78	6.110	O	|	|	|	|	8.60	79.083	0.00	0.77	5.778	O	|	|	|	|	8.30
74.000	0.00	0.78	6.105	O	|	|	|	|	8.60	79.167	0.00	0.77	5.772	O	|	|	|	|	8.30
74.083	0.00	0.78	6.099	O	|	|	|	|	8.59	79.250	0.00	0.77	5.767	O	|	|	|	|	8.29
74.167	0.00	0.78	6.094	O	|	|	|	|	8.59	79.333	0.00	0.77	5.762	O	|	|	|	|	8.29
74.250	0.00	0.78	6.088	O	|	|	|	|	8.58	79.417	0.00	0.77	5.757	O	|	|	|	|	8.28
74.333	0.00	0.78	6.083	O	|	|	|	|	8.58	79.500	0.00	0.77	5.751	O	|	|	|	|	8.28
74.417	0.00	0.78	6.078	O	|	|	|	|	8.57	79.583	0.00	0.77	5.746	O	|	|	|	|	8.27
74.500	0.00	0.78	6.072	O	|	|	|	|	8.57	79.667	0.00	0.77	5.741	O	|	|	|	|	8.27
74.583	0.00	0.78	6.067	O	|	|	|	|	8.56	79.750	0.00	0.77	5.735	O	|	|	|	|	8.26
74.667	0.00	0.78	6.061	O	|	|	|	|	8.56	79.833	0.00	0.77	5.730	O	|	|	|	|	8.26
74.750	0.00	0.78	6.056	O	|	|	|	|	8.55	79.917	0.00	0.77	5.725	O	|	|	|	|	8.25
74.833	0.00	0.78	6.051	O	|	|	|	|	8.55	80.000	0.00	0.77	5.719	O	|	|	|	|	8.25
74.917	0.00	0.78	6.045	O	|	|	|	|	8.54	80.083	0.00	0.77	5.714	O	|	|	|	|	8.24
75.000	0.00	0.78	6.040	O	|	|	|	|	8.54	80.167	0.00	0.77	5.709	O	|	|	|	|	8.24

80.250	0.00	0.77	5.703	O	|	|	|	|	8.23	85.417	0.00	0.76	5.378	O	|	|	|	|	7.93
80.333	0.00	0.77	5.698	O	|	|	|	|	8.23	85.500	0.00	0.76	5.372	O	|	|	|	|	7.92
80.417	0.00	0.77	5.693	O	|	|	|	|	8.22	85.583	0.00	0.76	5.367	O	|	|	|	|	7.92
80.500	0.00	0.77	5.688	O	|	|	|	|	8.22	85.667	0.00	0.76	5.362	O	|	|	|	|	7.91
80.583	0.00	0.77	5.682	O	|	|	|	|	8.21	85.750	0.00	0.76	5.357	O	|	|	|	|	7.91
80.667	0.00	0.77	5.677	O	|	|	|	|	8.21	85.833	0.00	0.76	5.352	O	|	|	|	|	7.90
80.750	0.00	0.77	5.672	O	|	|	|	|	8.20	85.917	0.00	0.75	5.346	O	|	|	|	|	7.90
80.833	0.00	0.77	5.666	O	|	|	|	|	8.20	86.000	0.00	0.75	5.341	O	|	|	|	|	7.89
80.917	0.00	0.77	5.661	O	|	|	|	|	8.19	86.083	0.00	0.75	5.336	O	|	|	|	|	7.89
81.000	0.00	0.77	5.656	O	|	|	|	|	8.19	86.167	0.00	0.75	5.331	O	|	|	|	|	7.88
81.083	0.00	0.77	5.651	O	|	|	|	|	8.18	86.250	0.00	0.75	5.326	O	|	|	|	|	7.88
81.167	0.00	0.77	5.645	O	|	|	|	|	8.18	86.333	0.00	0.75	5.320	O	|	|	|	|	7.87
81.250	0.00	0.77	5.640	O	|	|	|	|	8.17	86.417	0.00	0.75	5.315	O	|	|	|	|	7.87
81.333	0.00	0.77	5.635	O	|	|	|	|	8.17	86.500	0.00	0.75	5.310	O	|	|	|	|	7.86
81.417	0.00	0.77	5.629	O	|	|	|	|	8.17	86.583	0.00	0.75	5.305	O	|	|	|	|	7.86
81.500	0.00	0.77	5.624	O	|	|	|	|	8.16	86.667	0.00	0.75	5.300	O	|	|	|	|	7.85
81.583	0.00	0.77	5.619	O	|	|	|	|	8.16	86.750	0.00	0.75	5.294	O	|	|	|	|	7.85
81.667	0.00	0.77	5.614	O	|	|	|	|	8.15	86.833	0.00	0.75	5.289	O	|	|	|	|	7.84
81.750	0.00	0.77	5.608	O	|	|	|	|	8.15	86.917	0.00	0.75	5.284	O	|	|	|	|	7.84
81.833	0.00	0.77	5.603	O	|	|	|	|	8.14	87.000	0.00	0.75	5.279	O	|	|	|	|	7.83
81.917	0.00	0.77	5.598	O	|	|	|	|	8.14	87.083	0.00	0.75	5.274	O	|	|	|	|	7.82
82.000	0.00	0.77	5.593	O	|	|	|	|	8.13	87.167	0.00	0.75	5.269	O	|	|	|	|	7.82
82.083	0.00	0.77	5.587	O	|	|	|	|	8.13	87.250	0.00	0.75	5.263	O	|	|	|	|	7.81
82.167	0.00	0.76	5.582	O	|	|	|	|	8.12	87.333	0.00	0.75	5.258	O	|	|	|	|	7.81
82.250	0.00	0.76	5.577	O	|	|	|	|	8.12	87.417	0.00	0.75	5.253	O	|	|	|	|	7.80
82.333	0.00	0.76	5.571	O	|	|	|	|	8.11	87.500	0.00	0.75	5.248	O	|	|	|	|	7.80
82.417	0.00	0.76	5.566	O	|	|	|	|	8.11	87.583	0.00	0.75	5.243	O	|	|	|	|	7.79
82.500	0.00	0.76	5.561	O	|	|	|	|	8.10	87.667	0.00	0.75	5.238	O	|	|	|	|	7.79
82.583	0.00	0.76	5.556	O	|	|	|	|	8.10	87.750	0.00	0.75	5.232	O	|	|	|	|	7.78
82.667	0.00	0.76	5.550	O	|	|	|	|	8.09	87.833	0.00	0.75	5.227	O	|	|	|	|	7.78
82.750	0.00	0.76	5.545	O	|	|	|	|	8.09	87.917	0.00	0.75	5.222	O	|	|	|	|	7.77
82.833	0.00	0.76	5.540	O	|	|	|	|	8.08	88.000	0.00	0.75	5.217	O	|	|	|	|	7.77
82.917	0.00	0.76	5.535	O	|	|	|	|	8.08	88.083	0.00	0.75	5.212	O	|	|	|	|	7.76
83.000	0.00	0.76	5.529	O	|	|	|	|	8.07	88.167	0.00	0.75	5.207	O	|	|	|	|	7.76
83.083	0.00	0.76	5.524	O	|	|	|	|	8.07	88.250	0.00	0.75	5.201	O	|	|	|	|	7.75
83.167	0.00	0.76	5.519	O	|	|	|	|	8.06	88.333	0.00	0.75	5.196	O	|	|	|	|	7.75
83.250	0.00	0.76	5.514	O	|	|	|	|	8.06	88.417	0.00	0.75	5.191	O	|	|	|	|	7.74
83.333	0.00	0.76	5.508	O	|	|	|	|	8.05	88.500	0.00	0.75	5.186	O	|	|	|	|	7.74
83.417	0.00	0.76	5.503	O	|	|	|	|	8.05	88.583	0.00	0.75	5.181	O	|	|	|	|	7.73
83.500	0.00	0.76	5.498	O	|	|	|	|	8.05	88.667	0.00	0.75	5.176	O	|	|	|	|	7.73
83.583	0.00	0.76	5.493	O	|	|	|	|	8.04	88.750	0.00	0.75	5.171	O	|	|	|	|	7.72
83.667	0.00	0.76	5.487	O	|	|	|	|	8.04	88.833	0.00	0.75	5.165	O	|	|	|	|	7.72
83.750	0.00	0.76	5.482	O	|	|	|	|	8.03	88.917	0.00	0.75	5.160	O	|	|	|	|	7.71
83.833	0.00	0.76	5.477	O	|	|	|	|	8.03	89.000	0.00	0.75	5.155	O	|	|	|	|	7.71
83.917	0.00	0.76	5.472	O	|	|	|	|	8.02	89.083	0.00	0.75	5.150	O	|	|	|	|	7.70
84.000	0.00	0.76	5.466	O	|	|	|	|	8.02	89.167	0.00	0.74	5.145	O	|	|	|	|	7.70
84.083	0.00	0.76	5.461	O	|	|	|	|	8.01	89.250	0.00	0.74	5.140	O	|	|	|	|	7.69
84.167	0.00	0.76	5.456	O	|	|	|	|	8.01	89.333	0.00	0.74	5.135	O	|	|	|	|	7.69
84.250	0.00	0.76	5.451	O	|	|	|	|	8.00	89.417	0.00	0.74	5.130	O	|	|	|	|	7.68
84.333	0.00	0.76	5.445	O	|	|	|	|	8.00	89.500	0.00	0.74	5.124	O	|	|	|	|	7.67
84.417	0.00	0.76	5.440	O	|	|	|	|	7.99	89.583	0.00	0.74	5.119	O	|	|	|	|	7.67
84.500	0.00	0.76	5.435	O	|	|	|	|	7.99	89.667	0.00	0.74	5.114	O	|	|	|	|	7.66
84.583	0.00	0.76	5.430	O	|	|	|	|	7.98	89.750	0.00	0.74	5.109	O	|	|	|	|	7.66
84.667	0.00	0.76	5.425	O	|	|	|	|	7.98	89.833	0.00	0.74	5.104	O	|	|	|	|	7.65
84.750	0.00	0.76	5.419	O	|	|	|	|	7.97	89.917	0.00	0.74	5.099	O	|	|	|	|	7.65
84.833	0.00	0.76	5.414	O	|	|	|	|	7.97	90.000	0.00	0.74	5.094	O	|	|	|	|	7.64
84.917	0.00	0.76	5.409	O	|	|	|	|	7.96	90.083	0.00	0.74	5.089	O	|	|	|	|	7.64
85.000	0.00	0.76	5.404	O	|	|	|	|	7.96	90.167	0.00	0.74	5.084	O	|	|	|	|	7.63
85.083	0.00	0.76	5.398	O	|	|	|	|	7.95	90.250	0.00	0.74	5.078	O	|	|	|	|	7.63
85.167	0.00	0.76	5.393	O	|	|	|	|	7.94	90.333	0.00	0.74	5.073	O	|	|	|	|	7.62
85.250	0.00	0.76	5.388	O	|	|	|	|	7.94	90.417	0.00	0.74	5.068	O	|	|	|	|	7.62
85.333	0.00	0.76	5.383	O	|	|	|	|	7.93	90.500	0.00	0.74	5.063	O	|	|	|	|	7.61

90.583	0.00	0.74	5.058	O	|	|	|	|	7.61	95.750	0.00	0.72	4.745	O	|	|	|	|	7.29
90.667	0.00	0.74	5.053	O	|	|	|	|	7.60	95.833	0.00	0.72	4.740	O	|	|	|	|	7.29
90.750	0.00	0.74	5.048	O	|	|	|	|	7.60	95.917	0.00	0.72	4.735	O	|	|	|	|	7.28
90.833	0.00	0.74	5.043	O	|	|	|	|	7.59	96.000	0.00	0.72	4.730	O	|	|	|	|	7.28
90.917	0.00	0.74	5.038	O	|	|	|	|	7.59	96.083	0.00	0.72	4.725	O	|	|	|	|	7.27
91.000	0.00	0.74	5.033	O	|	|	|	|	7.58	96.167	0.00	0.72	4.720	O	|	|	|	|	7.27
91.083	0.00	0.74	5.027	O	|	|	|	|	7.58	96.250	0.00	0.72	4.715	O	|	|	|	|	7.26
91.167	0.00	0.74	5.022	O	|	|	|	|	7.57	96.333	0.00	0.72	4.710	O	|	|	|	|	7.26
91.250	0.00	0.74	5.017	O	|	|	|	|	7.57	96.417	0.00	0.72	4.705	O	|	|	|	|	7.25
91.333	0.00	0.74	5.012	O	|	|	|	|	7.56	96.500	0.00	0.72	4.700	O	|	|	|	|	7.25
91.417	0.00	0.74	5.007	O	|	|	|	|	7.56	96.583	0.00	0.72	4.695	O	|	|	|	|	7.24
91.500	0.00	0.74	5.002	O	|	|	|	|	7.55	96.667	0.00	0.72	4.690	O	|	|	|	|	7.24
91.583	0.00	0.74	4.997	O	|	|	|	|	7.55	96.750	0.00	0.72	4.685	O	|	|	|	|	7.23
91.667	0.00	0.74	4.992	O	|	|	|	|	7.54	96.833	0.00	0.72	4.680	O	|	|	|	|	7.23
91.750	0.00	0.74	4.987	O	|	|	|	|	7.54	96.917	0.00	0.72	4.676	O	|	|	|	|	7.22
91.833	0.00	0.74	4.982	O	|	|	|	|	7.53	97.000	0.00	0.72	4.671	O	|	|	|	|	7.22
91.917	0.00	0.74	4.977	O	|	|	|	|	7.53	97.083	0.00	0.72	4.666	O	|	|	|	|	7.21
92.000	0.00	0.74	4.972	O	|	|	|	|	7.52	97.167	0.00	0.72	4.661	O	|	|	|	|	7.21
92.083	0.00	0.74	4.967	O	|	|	|	|	7.52	97.250	0.00	0.72	4.656	O	|	|	|	|	7.20
92.167	0.00	0.74	4.961	O	|	|	|	|	7.51	97.333	0.00	0.72	4.651	O	|	|	|	|	7.20
92.250	0.00	0.74	4.956	O	|	|	|	|	7.51	97.417	0.00	0.72	4.646	O	|	|	|	|	7.19
92.333	0.00	0.74	4.951	O	|	|	|	|	7.50	97.500	0.00	0.72	4.641	O	|	|	|	|	7.19
92.417	0.00	0.73	4.946	O	|	|	|	|	7.50	97.583	0.00	0.72	4.636	O	|	|	|	|	7.18
92.500	0.00	0.73	4.941	O	|	|	|	|	7.49	97.667	0.00	0.72	4.631	O	|	|	|	|	7.18
92.583	0.00	0.73	4.936	O	|	|	|	|	7.49	97.750	0.00	0.72	4.626	O	|	|	|	|	7.17
92.667	0.00	0.73	4.931	O	|	|	|	|	7.48	97.833	0.00	0.72	4.621	O	|	|	|	|	7.17
92.750	0.00	0.73	4.926	O	|	|	|	|	7.48	97.917	0.00	0.72	4.616	O	|	|	|	|	7.16
92.833	0.00	0.73	4.921	O	|	|	|	|	7.47	98.000	0.00	0.72	4.611	O	|	|	|	|	7.16
92.917	0.00	0.73	4.916	O	|	|	|	|	7.47	98.083	0.00	0.72	4.606	O	|	|	|	|	7.15
93.000	0.00	0.73	4.911	O	|	|	|	|	7.46	98.167	0.00	0.72	4.601	O	|	|	|	|	7.15
93.083	0.00	0.73	4.906	O	|	|	|	|	7.46	98.250	0.00	0.72	4.596	O	|	|	|	|	7.14
93.167	0.00	0.73	4.901	O	|	|	|	|	7.45	98.333	0.00	0.72	4.591	O	|	|	|	|	7.14
93.250	0.00	0.73	4.896	O	|	|	|	|	7.44	98.417	0.00	0.72	4.586	O	|	|	|	|	7.13
93.333	0.00	0.73	4.891	O	|	|	|	|	7.44	98.500	0.00	0.72	4.581	O	|	|	|	|	7.13
93.417	0.00	0.73	4.886	O	|	|	|	|	7.43	98.583	0.00	0.72	4.577	O	|	|	|	|	7.12
93.500	0.00	0.73	4.881	O	|	|	|	|	7.43	98.667	0.00	0.72	4.572	O	|	|	|	|	7.12
93.583	0.00	0.73	4.876	O	|	|	|	|	7.42	98.750	0.00	0.72	4.567	O	|	|	|	|	7.11
93.667	0.00	0.73	4.871	O	|	|	|	|	7.42	98.833	0.00	0.72	4.562	O	|	|	|	|	7.11
93.750	0.00	0.73	4.866	O	|	|	|	|	7.41	98.917	0.00	0.72	4.557	O	|	|	|	|	7.10
93.833	0.00	0.73	4.860	O	|	|	|	|	7.41	99.000	0.00	0.71	4.552	O	|	|	|	|	7.10
93.917	0.00	0.73	4.855	O	|	|	|	|	7.40	99.083	0.00	0.71	4.547	O	|	|	|	|	7.09
94.000	0.00	0.73	4.850	O	|	|	|	|	7.40	99.167	0.00	0.71	4.542	O	|	|	|	|	7.09
94.083	0.00	0.73	4.845	O	|	|	|	|	7.39	99.250	0.00	0.71	4.537	O	|	|	|	|	7.08
94.167	0.00	0.73	4.840	O	|	|	|	|	7.39	99.333	0.00	0.71	4.532	O	|	|	|	|	7.08
94.250	0.00	0.73	4.835	O	|	|	|	|	7.38	99.417	0.00	0.71	4.527	O	|	|	|	|	7.07
94.333	0.00	0.73	4.830	O	|	|	|	|	7.38	99.500	0.00	0.71	4.522	O	|	|	|	|	7.07
94.417	0.00	0.73	4.825	O	|	|	|	|	7.37	99.583	0.00	0.71	4.517	O	|	|	|	|	7.06
94.500	0.00	0.73	4.820	O	|	|	|	|	7.37	99.667	0.00	0.71	4.513	O	|	|	|	|	7.06
94.583	0.00	0.73	4.815	O	|	|	|	|	7.36	99.750	0.00	0.71	4.508	O	|	|	|	|	7.05
94.667	0.00	0.73	4.810	O	|	|	|	|	7.36	99.833	0.00	0.71	4.503	O	|	|	|	|	7.05
94.750	0.00	0.73	4.805	O	|	|	|	|	7.35	99.917	0.00	0.71	4.498	O	|	|	|	|	7.05
94.833	0.00	0.73	4.800	O	|	|	|	|	7.35	100.000	0.00	0.71	4.493	O	|	|	|	|	7.04
94.917	0.00	0.73	4.795	O	|	|	|	|	7.34	100.083	0.00	0.71	4.488	O	|	|	|	|	7.04
95.000	0.00	0.73	4.790	O	|	|	|	|	7.34	100.167	0.00	0.71	4.483	O	|	|	|	|	7.03
95.083	0.00	0.73	4.785	O	|	|	|	|	7.33	100.250	0.00	0.71	4.478	O	|	|	|	|	7.03
95.167	0.00	0.73	4.780	O	|	|	|	|	7.33	100.333	0.00	0.71	4.473	O	|	|	|	|	7.02
95.250	0.00	0.73	4.775	O	|	|	|	|	7.32	100.417	0.00	0.71	4.468	O	|	|	|	|	7.02
95.333	0.00	0.73	4.770	O	|	|	|	|	7.32	100.500	0.00	0.71	4.464	O	|	|	|	|	7.01
95.417	0.00	0.73	4.765	O	|	|	|	|	7.31	100.583	0.00	0.71	4.459	O	|	|	|	|	7.01
95.500	0.00	0.73	4.760	O	|	|	|	|	7.31	100.667	0.00	0.71	4.454	O	|	|	|	|	7.00
95.583	0.00	0.73	4.755	O	|	|	|	|	7.30	100.750	0.00	0.71	4.449	O	|	|	|	|	7.00
95.667	0.00	0.72	4.750	O	|	|	|	|	7.30	100.833	0.00	0.71	4.444	O	|	|	|	|	6.99

100.917	0.00	0.71	4.439	O					6.98	106.083	0.00	0.69	4.140	O					6.65
101.000	0.00	0.71	4.434	O					6.98	106.167	0.00	0.69	4.135	O					6.65
101.083	0.00	0.71	4.429	O					6.97	106.250	0.00	0.69	4.130	O					6.64
101.167	0.00	0.71	4.424	O					6.97	106.333	0.00	0.69	4.126	O					6.63
101.250	0.00	0.71	4.420	O					6.96	106.417	0.00	0.69	4.121	O					6.63
101.333	0.00	0.71	4.415	O					6.96	106.500	0.00	0.69	4.116	O					6.62
101.417	0.00	0.71	4.410	O					6.95	106.583	0.00	0.69	4.111	O					6.62
101.500	0.00	0.71	4.405	O					6.95	106.667	0.00	0.69	4.106	O					6.61
101.583	0.00	0.71	4.400	O					6.94	106.750	0.00	0.69	4.102	O					6.61
101.667	0.00	0.71	4.395	O					6.94	106.833	0.00	0.69	4.097	O					6.60
101.750	0.00	0.71	4.390	O					6.93	106.917	0.00	0.69	4.092	O					6.60
101.833	0.00	0.71	4.385	O					6.92	107.000	0.00	0.69	4.087	O					6.59
101.917	0.00	0.71	4.381	O					6.92	107.083	0.00	0.69	4.083	O					6.59
102.000	0.00	0.71	4.376	O					6.91	107.167	0.00	0.69	4.078	O					6.58
102.083	0.00	0.71	4.371	O					6.91	107.250	0.00	0.69	4.073	O					6.58
102.167	0.00	0.71	4.366	O					6.90	107.333	0.00	0.69	4.068	O					6.57
102.250	0.00	0.70	4.361	O					6.90	107.417	0.00	0.69	4.064	O					6.57
102.333	0.00	0.70	4.356	O					6.89	107.500	0.00	0.69	4.059	O					6.56
102.417	0.00	0.70	4.351	O					6.89	107.583	0.00	0.69	4.054	O					6.55
102.500	0.00	0.70	4.347	O					6.88	107.667	0.00	0.69	4.050	O					6.55
102.583	0.00	0.70	4.342	O					6.88	107.750	0.00	0.69	4.045	O					6.54
102.667	0.00	0.70	4.337	O					6.87	107.833	0.00	0.69	4.040	O					6.54
102.750	0.00	0.70	4.332	O					6.87	107.917	0.00	0.69	4.035	O					6.53
102.833	0.00	0.70	4.327	O					6.86	108.000	0.00	0.69	4.031	O					6.53
102.917	0.00	0.70	4.322	O					6.85	108.083	0.00	0.69	4.026	O					6.52
103.000	0.00	0.70	4.318	O					6.85	108.167	0.00	0.69	4.021	O					6.52
103.083	0.00	0.70	4.313	O					6.84	108.250	0.00	0.69	4.016	O					6.51
103.167	0.00	0.70	4.308	O					6.84	108.333	0.00	0.69	4.012	O					6.51
103.250	0.00	0.70	4.303	O					6.83	108.417	0.00	0.69	4.007	O					6.50
103.333	0.00	0.70	4.298	O					6.83	108.500	0.00	0.68	4.002	O					6.50
103.417	0.00	0.70	4.293	O					6.82	108.583	0.00	0.68	3.998	O					6.49
103.500	0.00	0.70	4.289	O					6.82	108.667	0.00	0.68	3.993	O					6.49
103.583	0.00	0.70	4.284	O					6.81	108.750	0.00	0.68	3.988	O					6.48
103.667	0.00	0.70	4.279	O					6.81	108.833	0.00	0.68	3.983	O					6.48
103.750	0.00	0.70	4.274	O					6.80	108.917	0.00	0.68	3.979	O					6.47
103.833	0.00	0.70	4.269	O					6.79	109.000	0.00	0.68	3.974	O					6.47
103.917	0.00	0.70	4.264	O					6.79	109.083	0.00	0.68	3.969	O					6.46
104.000	0.00	0.70	4.260	O					6.78	109.167	0.00	0.68	3.965	O					6.45
104.083	0.00	0.70	4.255	O					6.78	109.250	0.00	0.68	3.960	O					6.45
104.167	0.00	0.70	4.250	O					6.77	109.333	0.00	0.68	3.955	O					6.44
104.250	0.00	0.70	4.245	O					6.77	109.417	0.00	0.68	3.951	O					6.44
104.333	0.00	0.70	4.240	O					6.76	109.500	0.00	0.68	3.946	O					6.43
104.417	0.00	0.70	4.236	O					6.76	109.583	0.00	0.68	3.941	O					6.43
104.500	0.00	0.70	4.231	O					6.75	109.667	0.00	0.68	3.936	O					6.42
104.583	0.00	0.70	4.226	O					6.75	109.750	0.00	0.68	3.932	O					6.42
104.667	0.00	0.70	4.221	O					6.74	109.833	0.00	0.68	3.927	O					6.41
104.750	0.00	0.70	4.216	O					6.74	109.917	0.00	0.68	3.922	O					6.41
104.833	0.00	0.70	4.212	O					6.73	110.000	0.00	0.68	3.918	O					6.40
104.917	0.00	0.70	4.207	O					6.73	110.083	0.00	0.68	3.913	O					6.40
105.000	0.00	0.70	4.202	O					6.72	110.167	0.00	0.68	3.908	O					6.39
105.083	0.00	0.70	4.197	O					6.71	110.250	0.00	0.68	3.904	O					6.39
105.167	0.00	0.70	4.192	O					6.71	110.333	0.00	0.68	3.899	O					6.38
105.250	0.00	0.70	4.188	O					6.70	110.417	0.00	0.68	3.894	O					6.38
105.333	0.00	0.69	4.183	O					6.70	110.500	0.00	0.68	3.890	O					6.37
105.417	0.00	0.69	4.178	O					6.69	110.583	0.00	0.68	3.885	O					6.37
105.500	0.00	0.69	4.173	O					6.69	110.667	0.00	0.68	3.880	O					6.36
105.583	0.00	0.69	4.168	O					6.68	110.750	0.00	0.68	3.876	O					6.36
105.667	0.00	0.69	4.164	O					6.68	110.833	0.00	0.68	3.871	O					6.35
105.750	0.00	0.69	4.159	O					6.67	110.917	0.00	0.68	3.866	O					6.35
105.833	0.00	0.69	4.154	O					6.67	111.000	0.00	0.68	3.862	O					6.34
105.917	0.00	0.69	4.149	O					6.66	111.083	0.00	0.68	3.857	O					6.33
106.000	0.00	0.69	4.145	O					6.66	111.167	0.00	0.68	3.852	O					6.33

111.250	0.00	0.68	3.848	O	|	|	|	|	6.32	116.417	0.00	0.66	3.562	O	|	|	|	|	6.01
111.333	0.00	0.68	3.843	O	|	|	|	|	6.32	116.500	0.00	0.66	3.558	O	|	|	|	|	6.00
111.417	0.00	0.68	3.838	O	|	|	|	|	6.31	116.583	0.00	0.66	3.553	O	|	|	|	|	6.00
111.500	0.00	0.68	3.834	O	|	|	|	|	6.31	116.667	0.00	0.66	3.549	O	|	|	|	|	5.99
111.583	0.00	0.68	3.829	O	|	|	|	|	6.30	116.750	0.00	0.66	3.544	O	|	|	|	|	5.98
111.667	0.00	0.67	3.824	O	|	|	|	|	6.30	116.833	0.00	0.66	3.540	O	|	|	|	|	5.98
111.750	0.00	0.67	3.820	O	|	|	|	|	6.29	116.917	0.00	0.66	3.535	O	|	|	|	|	5.97
111.833	0.00	0.67	3.815	O	|	|	|	|	6.29	117.000	0.00	0.66	3.531	O	|	|	|	|	5.97
111.917	0.00	0.67	3.810	O	|	|	|	|	6.28	117.083	0.00	0.66	3.526	O	|	|	|	|	5.96
112.000	0.00	0.67	3.806	O	|	|	|	|	6.28	117.167	0.00	0.66	3.521	O	|	|	|	|	5.96
112.083	0.00	0.67	3.801	O	|	|	|	|	6.27	117.250	0.00	0.66	3.517	O	|	|	|	|	5.95
112.167	0.00	0.67	3.796	O	|	|	|	|	6.27	117.333	0.00	0.66	3.512	O	|	|	|	|	5.94
112.250	0.00	0.67	3.792	O	|	|	|	|	6.26	117.417	0.00	0.66	3.508	O	|	|	|	|	5.94
112.333	0.00	0.67	3.787	O	|	|	|	|	6.26	117.500	0.00	0.66	3.503	O	|	|	|	|	5.93
112.417	0.00	0.67	3.783	O	|	|	|	|	6.25	117.583	0.00	0.66	3.499	O	|	|	|	|	5.93
112.500	0.00	0.67	3.778	O	|	|	|	|	6.25	117.667	0.00	0.66	3.494	O	|	|	|	|	5.92
112.583	0.00	0.67	3.773	O	|	|	|	|	6.24	117.750	0.00	0.65	3.490	O	|	|	|	|	5.92
112.667	0.00	0.67	3.769	O	|	|	|	|	6.24	117.833	0.00	0.65	3.485	O	|	|	|	|	5.91
112.750	0.00	0.67	3.764	O	|	|	|	|	6.23	117.917	0.00	0.65	3.481	O	|	|	|	|	5.90
112.833	0.00	0.67	3.759	O	|	|	|	|	6.23	118.000	0.00	0.65	3.476	O	|	|	|	|	5.90
112.917	0.00	0.67	3.755	O	|	|	|	|	6.22	118.083	0.00	0.65	3.472	O	|	|	|	|	5.89
113.000	0.00	0.67	3.750	O	|	|	|	|	6.22	118.167	0.00	0.65	3.467	O	|	|	|	|	5.89
113.083	0.00	0.67	3.746	O	|	|	|	|	6.21	118.250	0.00	0.65	3.463	O	|	|	|	|	5.88
113.167	0.00	0.67	3.741	O	|	|	|	|	6.21	118.333	0.00	0.65	3.458	O	|	|	|	|	5.88
113.250	0.00	0.67	3.736	O	|	|	|	|	6.20	118.417	0.00	0.65	3.454	O	|	|	|	|	5.87
113.333	0.00	0.67	3.732	O	|	|	|	|	6.20	118.500	0.00	0.65	3.449	O	|	|	|	|	5.87
113.417	0.00	0.67	3.727	O	|	|	|	|	6.19	118.583	0.00	0.65	3.445	O	|	|	|	|	5.86
113.500	0.00	0.67	3.723	O	|	|	|	|	6.18	118.667	0.00	0.65	3.440	O	|	|	|	|	5.85
113.583	0.00	0.67	3.718	O	|	|	|	|	6.18	118.750	0.00	0.65	3.436	O	|	|	|	|	5.85
113.667	0.00	0.67	3.713	O	|	|	|	|	6.17	118.833	0.00	0.65	3.431	O	|	|	|	|	5.84
113.750	0.00	0.67	3.709	O	|	|	|	|	6.17	118.917	0.00	0.65	3.427	O	|	|	|	|	5.84
113.833	0.00	0.67	3.704	O	|	|	|	|	6.16	119.000	0.00	0.65	3.422	O	|	|	|	|	5.83
113.917	0.00	0.67	3.699	O	|	|	|	|	6.16	119.083	0.00	0.65	3.418	O	|	|	|	|	5.83
114.000	0.00	0.67	3.695	O	|	|	|	|	6.15	119.167	0.00	0.65	3.413	O	|	|	|	|	5.82
114.083	0.00	0.67	3.690	O	|	|	|	|	6.15	119.250	0.00	0.65	3.409	O	|	|	|	|	5.81
114.167	0.00	0.67	3.686	O	|	|	|	|	6.14	119.333	0.00	0.65	3.405	O	|	|	|	|	5.81
114.250	0.00	0.67	3.681	O	|	|	|	|	6.14	119.417	0.00	0.65	3.400	O	|	|	|	|	5.80
114.333	0.00	0.67	3.677	O	|	|	|	|	6.13	119.500	0.00	0.65	3.396	O	|	|	|	|	5.80
114.417	0.00	0.67	3.672	O	|	|	|	|	6.13	119.583	0.00	0.65	3.391	O	|	|	|	|	5.79
114.500	0.00	0.67	3.667	O	|	|	|	|	6.12	119.667	0.00	0.65	3.387	O	|	|	|	|	5.79
114.583	0.00	0.67	3.663	O	|	|	|	|	6.12	119.750	0.00	0.65	3.382	O	|	|	|	|	5.78
114.667	0.00	0.67	3.658	O	|	|	|	|	6.11	119.833	0.00	0.65	3.378	O	|	|	|	|	5.78
114.750	0.00	0.67	3.654	O	|	|	|	|	6.11	119.917	0.00	0.65	3.373	O	|	|	|	|	5.77
114.833	0.00	0.67	3.649	O	|	|	|	|	6.10	120.000	0.00	0.65	3.369	O	|	|	|	|	5.76
114.917	0.00	0.66	3.644	O	|	|	|	|	6.10	120.083	0.00	0.65	3.364	O	|	|	|	|	5.76
115.000	0.00	0.66	3.640	O	|	|	|	|	6.09	120.167	0.00	0.65	3.360	O	|	|	|	|	5.75
115.083	0.00	0.66	3.635	O	|	|	|	|	6.09	120.250	0.00	0.64	3.356	O	|	|	|	|	5.75
115.167	0.00	0.66	3.631	O	|	|	|	|	6.08	120.333	0.00	0.64	3.351	O	|	|	|	|	5.74
115.250	0.00	0.66	3.626	O	|	|	|	|	6.08	120.417	0.00	0.64	3.347	O	|	|	|	|	5.74
115.333	0.00	0.66	3.622	O	|	|	|	|	6.07	120.500	0.00	0.64	3.342	O	|	|	|	|	5.73
115.417	0.00	0.66	3.617	O	|	|	|	|	6.07	120.583	0.00	0.64	3.338	O	|	|	|	|	5.73
115.500	0.00	0.66	3.612	O	|	|	|	|	6.06	120.667	0.00	0.64	3.333	O	|	|	|	|	5.72
115.583	0.00	0.66	3.608	O	|	|	|	|	6.06	120.750	0.00	0.64	3.329	O	|	|	|	|	5.71
115.667	0.00	0.66	3.603	O	|	|	|	|	6.05	120.833	0.00	0.64	3.324	O	|	|	|	|	5.71
115.750	0.00	0.66	3.599	O	|	|	|	|	6.05	120.917	0.00	0.64	3.320	O	|	|	|	|	5.70
115.833	0.00	0.66	3.594	O	|	|	|	|	6.04	121.000	0.00	0.64	3.316	O	|	|	|	|	5.70
115.917	0.00	0.66	3.590	O	|	|	|	|	6.04	121.083	0.00	0.64	3.311	O	|	|	|	|	5.69
116.000	0.00	0.66	3.585	O	|	|	|	|	6.03	121.167	0.00	0.64	3.307	O	|	|	|	|	5.69
116.083	0.00	0.66	3.580	O	|	|	|	|	6.03	121.250	0.00	0.64	3.302	O	|	|	|	|	5.68
116.167	0.00	0.66	3.576	O	|	|	|	|	6.02	121.333	0.00	0.64	3.298	O	|	|	|	|	5.68
116.250	0.00	0.66	3.571	O	|	|	|	|	6.02	121.417	0.00	0.64	3.294	O	|	|	|	|	5.67
116.333	0.00	0.66	3.567	O	|	|	|	|	6.01	121.500	0.00	0.64	3.289	O	|	|	|	|	5.67

121.583	0.00	0.64	3.285	O					5.66	126.750	0.00	0.62	3.016	O					5.32
121.667	0.00	0.64	3.280	O					5.65	126.833	0.00	0.62	3.012	O					5.32
121.750	0.00	0.64	3.276	O					5.65	126.917	0.00	0.62	3.007	O					5.31
121.833	0.00	0.64	3.272	O					5.64	127.000	0.00	0.62	3.003	O					5.31
121.917	0.00	0.64	3.267	O					5.64	127.083	0.00	0.62	2.999	O					5.30
122.000	0.00	0.64	3.263	O					5.63	127.167	0.00	0.62	2.995	O					5.30
122.083	0.00	0.64	3.258	O					5.63	127.250	0.00	0.62	2.990	O					5.29
122.167	0.00	0.64	3.254	O					5.62	127.333	0.00	0.62	2.986	O					5.29
122.250	0.00	0.64	3.250	O					5.62	127.417	0.00	0.62	2.982	O					5.28
122.333	0.00	0.64	3.245	O					5.61	127.500	0.00	0.62	2.978	O					5.28
122.417	0.00	0.64	3.241	O					5.60	127.583	0.00	0.62	2.973	O					5.27
122.500	0.00	0.64	3.236	O					5.60	127.667	0.00	0.62	2.969	O					5.27
122.583	0.00	0.64	3.232	O					5.59	127.750	0.00	0.62	2.965	O					5.26
122.667	0.00	0.64	3.228	O					5.59	127.833	0.00	0.62	2.961	O					5.25
122.750	0.00	0.63	3.223	O					5.58	127.917	0.00	0.61	2.956	O					5.25
122.833	0.00	0.63	3.219	O					5.58	128.000	0.00	0.61	2.952	O					5.24
122.917	0.00	0.63	3.215	O					5.57	128.083	0.00	0.61	2.948	O					5.24
123.000	0.00	0.63	3.210	O					5.57	128.167	0.00	0.61	2.944	O					5.23
123.083	0.00	0.63	3.206	O					5.56	128.250	0.00	0.61	2.940	O					5.23
123.167	0.00	0.63	3.201	O					5.56	128.333	0.00	0.61	2.935	O					5.22
123.250	0.00	0.63	3.197	O					5.55	128.417	0.00	0.61	2.931	O					5.22
123.333	0.00	0.63	3.193	O					5.54	128.500	0.00	0.61	2.927	O					5.21
123.417	0.00	0.63	3.188	O					5.54	128.583	0.00	0.61	2.923	O					5.21
123.500	0.00	0.63	3.184	O					5.53	128.667	0.00	0.61	2.918	O					5.20
123.583	0.00	0.63	3.180	O					5.53	128.750	0.00	0.61	2.914	O					5.20
123.667	0.00	0.63	3.175	O					5.52	128.833	0.00	0.61	2.910	O					5.19
123.750	0.00	0.63	3.171	O					5.52	128.917	0.00	0.61	2.906	O					5.19
123.833	0.00	0.63	3.167	O					5.51	129.000	0.00	0.61	2.902	O					5.18
123.917	0.00	0.63	3.162	O					5.51	129.083	0.00	0.61	2.897	O					5.18
124.000	0.00	0.63	3.158	O					5.50	129.167	0.00	0.61	2.893	O					5.17
124.083	0.00	0.63	3.154	O					5.50	129.250	0.00	0.61	2.889	O					5.16
124.167	0.00	0.63	3.149	O					5.49	129.333	0.00	0.61	2.885	O					5.16
124.250	0.00	0.63	3.145	O					5.48	129.417	0.00	0.61	2.881	O					5.15
124.333	0.00	0.63	3.141	O					5.48	129.500	0.00	0.61	2.876	O					5.15
124.417	0.00	0.63	3.136	O					5.47	129.583	0.00	0.61	2.872	O					5.14
124.500	0.00	0.63	3.132	O					5.47	129.667	0.00	0.61	2.868	O					5.14
124.583	0.00	0.63	3.128	O					5.46	129.750	0.00	0.61	2.864	O					5.13
124.667	0.00	0.63	3.123	O					5.46	129.833	0.00	0.61	2.860	O					5.13
124.750	0.00	0.63	3.119	O					5.45	129.917	0.00	0.61	2.855	O					5.12
124.833	0.00	0.63	3.115	O					5.45	130.000	0.00	0.61	2.851	O					5.12
124.917	0.00	0.63	3.110	O					5.44	130.083	0.00	0.61	2.847	O					5.11
125.000	0.00	0.63	3.106	O					5.44	130.167	0.00	0.61	2.843	O					5.11
125.083	0.00	0.63	3.102	O					5.43	130.250	0.00	0.61	2.839	O					5.10
125.167	0.00	0.63	3.097	O					5.43	130.333	0.00	0.61	2.835	O					5.10
125.250	0.00	0.63	3.093	O					5.42	130.417	0.00	0.61	2.830	O					5.09
125.333	0.00	0.62	3.089	O					5.41	130.500	0.00	0.61	2.826	O					5.09
125.417	0.00	0.62	3.085	O					5.41	130.583	0.00	0.60	2.822	O					5.08
125.500	0.00	0.62	3.080	O					5.40	130.667	0.00	0.60	2.818	O					5.08
125.583	0.00	0.62	3.076	O					5.40	130.750	0.00	0.60	2.814	O					5.07
125.667	0.00	0.62	3.072	O					5.39	130.833	0.00	0.60	2.810	O					5.07
125.750	0.00	0.62	3.067	O					5.39	130.917	0.00	0.60	2.805	O					5.06
125.833	0.00	0.62	3.063	O					5.38	131.000	0.00	0.60	2.801	O					5.06
125.917	0.00	0.62	3.059	O					5.38	131.083	0.00	0.60	2.797	O					5.05
126.000	0.00	0.62	3.054	O					5.37	131.167	0.00	0.60	2.793	O					5.04
126.083	0.00	0.62	3.050	O					5.37	131.250	0.00	0.60	2.789	O					5.04
126.167	0.00	0.62	3.046	O					5.36	131.333	0.00	0.60	2.785	O					5.03
126.250	0.00	0.62	3.042	O					5.36	131.417	0.00	0.60	2.781	O					5.03
126.333	0.00	0.62	3.037	O					5.35	131.500	0.00	0.60	2.776	O					5.02
126.417	0.00	0.62	3.033	O					5.35	131.583	0.00	0.60	2.772	O					5.02
126.500	0.00	0.62	3.029	O					5.34	131.667	0.00	0.60	2.768	O					5.01
126.583	0.00	0.62	3.025	O					5.33	131.750	0.00	0.60	2.764	O					5.01
126.667	0.00	0.62	3.020	O					5.33	131.833	0.00	0.60	2.760	O					5.00

131.917	0.00	0.60	2.756	O	|	|	|	|	5.00	137.083	0.00	0.58	2.505	O	|	|	|	|	4.65
132.000	0.00	0.60	2.752	O	|	|	|	|	4.99	137.167	0.00	0.57	2.501	O	|	|	|	|	4.64
132.083	0.00	0.60	2.747	O	|	|	|	|	4.99	137.250	0.00	0.57	2.497	O	|	|	|	|	4.63
132.167	0.00	0.60	2.743	O	|	|	|	|	4.98	137.333	0.00	0.57	2.493	O	|	|	|	|	4.63
132.250	0.00	0.60	2.739	O	|	|	|	|	4.97	137.417	0.00	0.57	2.489	O	|	|	|	|	4.62
132.333	0.00	0.60	2.735	O	|	|	|	|	4.97	137.500	0.00	0.57	2.485	O	|	|	|	|	4.62
132.417	0.00	0.60	2.731	O	|	|	|	|	4.96	137.583	0.00	0.57	2.481	O	|	|	|	|	4.61
132.500	0.00	0.60	2.727	O	|	|	|	|	4.96	137.667	0.00	0.57	2.477	O	|	|	|	|	4.61
132.583	0.00	0.60	2.723	O	|	|	|	|	4.95	137.750	0.00	0.57	2.473	O	|	|	|	|	4.60
132.667	0.00	0.60	2.719	O	|	|	|	|	4.95	137.833	0.00	0.57	2.469	O	|	|	|	|	4.60
132.750	0.00	0.60	2.715	O	|	|	|	|	4.94	137.917	0.00	0.57	2.465	O	|	|	|	|	4.59
132.833	0.00	0.60	2.710	O	|	|	|	|	4.93	138.000	0.00	0.57	2.461	O	|	|	|	|	4.58
132.917	0.00	0.60	2.706	O	|	|	|	|	4.93	138.083	0.00	0.57	2.457	O	|	|	|	|	4.58
133.000	0.00	0.59	2.702	O	|	|	|	|	4.92	138.167	0.00	0.57	2.454	O	|	|	|	|	4.57
133.083	0.00	0.59	2.698	O	|	|	|	|	4.92	138.250	0.00	0.57	2.450	O	|	|	|	|	4.57
133.167	0.00	0.59	2.694	O	|	|	|	|	4.91	138.333	0.00	0.57	2.446	O	|	|	|	|	4.56
133.250	0.00	0.59	2.690	O	|	|	|	|	4.91	138.417	0.00	0.57	2.442	O	|	|	|	|	4.56
133.333	0.00	0.59	2.686	O	|	|	|	|	4.90	138.500	0.00	0.57	2.438	O	|	|	|	|	4.55
133.417	0.00	0.59	2.682	O	|	|	|	|	4.89	138.583	0.00	0.57	2.434	O	|	|	|	|	4.55
133.500	0.00	0.59	2.678	O	|	|	|	|	4.89	138.667	0.00	0.57	2.430	O	|	|	|	|	4.54
133.583	0.00	0.59	2.674	O	|	|	|	|	4.88	138.750	0.00	0.57	2.426	O	|	|	|	|	4.54
133.667	0.00	0.59	2.670	O	|	|	|	|	4.88	138.833	0.00	0.57	2.422	O	|	|	|	|	4.53
133.750	0.00	0.59	2.665	O	|	|	|	|	4.87	138.917	0.00	0.57	2.418	O	|	|	|	|	4.52
133.833	0.00	0.59	2.661	O	|	|	|	|	4.87	139.000	0.00	0.57	2.414	O	|	|	|	|	4.52
133.917	0.00	0.59	2.657	O	|	|	|	|	4.86	139.083	0.00	0.57	2.411	O	|	|	|	|	4.51
134.000	0.00	0.59	2.653	O	|	|	|	|	4.85	139.167	0.00	0.57	2.407	O	|	|	|	|	4.51
134.083	0.00	0.59	2.649	O	|	|	|	|	4.85	139.250	0.00	0.57	2.403	O	|	|	|	|	4.50
134.167	0.00	0.59	2.645	O	|	|	|	|	4.84	139.333	0.00	0.56	2.399	O	|	|	|	|	4.50
134.250	0.00	0.59	2.641	O	|	|	|	|	4.84	139.417	0.00	0.56	2.395	O	|	|	|	|	4.49
134.333	0.00	0.59	2.637	O	|	|	|	|	4.83	139.500	0.00	0.56	2.391	O	|	|	|	|	4.49
134.417	0.00	0.59	2.633	O	|	|	|	|	4.83	139.583	0.00	0.56	2.387	O	|	|	|	|	4.48
134.500	0.00	0.59	2.629	O	|	|	|	|	4.82	139.667	0.00	0.56	2.383	O	|	|	|	|	4.48
134.583	0.00	0.59	2.625	O	|	|	|	|	4.81	139.750	0.00	0.56	2.379	O	|	|	|	|	4.47
134.667	0.00	0.59	2.621	O	|	|	|	|	4.81	139.833	0.00	0.56	2.376	O	|	|	|	|	4.46
134.750	0.00	0.59	2.617	O	|	|	|	|	4.80	139.917	0.00	0.56	2.372	O	|	|	|	|	4.46
134.833	0.00	0.59	2.613	O	|	|	|	|	4.80	140.000	0.00	0.56	2.368	O	|	|	|	|	4.45
134.917	0.00	0.59	2.609	O	|	|	|	|	4.79	140.083	0.00	0.56	2.364	O	|	|	|	|	4.45
135.000	0.00	0.59	2.605	O	|	|	|	|	4.79	140.167	0.00	0.56	2.360	O	|	|	|	|	4.44
135.083	0.00	0.58	2.601	O	|	|	|	|	4.78	140.250	0.00	0.56	2.356	O	|	|	|	|	4.44
135.167	0.00	0.58	2.597	O	|	|	|	|	4.77	140.333	0.00	0.56	2.352	O	|	|	|	|	4.43
135.250	0.00	0.58	2.593	O	|	|	|	|	4.77	140.417	0.00	0.56	2.349	O	|	|	|	|	4.43
135.333	0.00	0.58	2.589	O	|	|	|	|	4.76	140.500	0.00	0.56	2.345	O	|	|	|	|	4.42
135.417	0.00	0.58	2.585	O	|	|	|	|	4.76	140.583	0.00	0.56	2.341	O	|	|	|	|	4.42
135.500	0.00	0.58	2.581	O	|	|	|	|	4.75	140.667	0.00	0.56	2.337	O	|	|	|	|	4.41
135.583	0.00	0.58	2.577	O	|	|	|	|	4.75	140.750	0.00	0.56	2.333	O	|	|	|	|	4.40
135.667	0.00	0.58	2.573	O	|	|	|	|	4.74	140.833	0.00	0.56	2.329	O	|	|	|	|	4.40
135.750	0.00	0.58	2.569	O	|	|	|	|	4.74	140.917	0.00	0.56	2.325	O	|	|	|	|	4.39
135.833	0.00	0.58	2.565	O	|	|	|	|	4.73	141.000	0.00	0.56	2.322	O	|	|	|	|	4.39
135.917	0.00	0.58	2.561	O	|	|	|	|	4.72	141.083	0.00	0.56	2.318	O	|	|	|	|	4.38
136.000	0.00	0.58	2.557	O	|	|	|	|	4.72	141.167	0.00	0.56	2.314	O	|	|	|	|	4.38
136.083	0.00	0.58	2.553	O	|	|	|	|	4.71	141.250	0.00	0.56	2.310	O	|	|	|	|	4.37
136.167	0.00	0.58	2.549	O	|	|	|	|	4.71	141.333	0.00	0.56	2.306	O	|	|	|	|	4.37
136.250	0.00	0.58	2.545	O	|	|	|	|	4.70	141.417	0.00	0.56	2.302	O	|	|	|	|	4.36
136.333	0.00	0.58	2.541	O	|	|	|	|	4.70	141.500	0.00	0.55	2.299	O	|	|	|	|	4.36
136.417	0.00	0.58	2.537	O	|	|	|	|	4.69	141.583	0.00	0.55	2.295	O	|	|	|	|	4.35
136.500	0.00	0.58	2.533	O	|	|	|	|	4.68	141.667	0.00	0.55	2.291	O	|	|	|	|	4.35
136.583	0.00	0.58	2.529	O	|	|	|	|	4.68	141.750	0.00	0.55	2.287	O	|	|	|	|	4.34
136.667	0.00	0.58	2.525	O	|	|	|	|	4.67	141.833	0.00	0.55	2.283	O	|	|	|	|	4.33
136.750	0.00	0.58	2.521	O	|	|	|	|	4.67	141.917	0.00	0.55	2.280	O	|	|	|	|	4.33
136.833	0.00	0.58	2.517	O	|	|	|	|	4.66	142.000	0.00	0.55	2.276	O	|	|	|	|	4.32
136.917	0.00	0.58	2.513	O	|	|	|	|	4.66	142.083	0.00	0.55	2.272	O	|	|	|	|	4.32
137.000	0.00	0.58	2.509	O	|	|	|	|	4.65	142.167	0.00	0.55	2.268	O	|	|	|	|	4.31

142.250	0.00	0.55	2.264	O					4.31	147.417	0.00	0.53	2.034	O					3.98
142.333	0.00	0.55	2.261	O					4.30	147.500	0.00	0.53	2.030	O					3.97
142.417	0.00	0.55	2.257	O					4.30	147.583	0.00	0.53	2.026	O					3.97
142.500	0.00	0.55	2.253	O					4.29	147.667	0.00	0.53	2.023	O					3.96
142.583	0.00	0.55	2.249	O					4.29	147.750	0.00	0.53	2.019	O					3.96
142.667	0.00	0.55	2.245	O					4.28	147.833	0.00	0.53	2.016	O					3.95
142.750	0.00	0.55	2.242	O					4.28	147.917	0.00	0.53	2.012	O					3.94
142.833	0.00	0.55	2.238	O					4.27	148.000	0.00	0.53	2.008	O					3.94
142.917	0.00	0.55	2.234	O					4.27	148.083	0.00	0.52	2.005	O					3.93
143.000	0.00	0.55	2.230	O					4.26	148.167	0.00	0.52	2.001	O					3.93
143.083	0.00	0.55	2.226	O					4.25	148.250	0.00	0.52	1.997	O					3.92
143.167	0.00	0.55	2.223	O					4.25	148.333	0.00	0.52	1.994	O					3.91
143.250	0.00	0.55	2.219	O					4.24	148.417	0.00	0.52	1.990	O					3.91
143.333	0.00	0.55	2.215	O					4.24	148.500	0.00	0.52	1.987	O					3.90
143.417	0.00	0.55	2.211	O					4.23	148.583	0.00	0.52	1.983	O					3.89
143.500	0.00	0.55	2.208	O					4.23	148.667	0.00	0.52	1.979	O					3.89
143.583	0.00	0.55	2.204	O					4.22	148.750	0.00	0.52	1.976	O					3.88
143.667	0.00	0.55	2.200	O					4.22	148.833	0.00	0.52	1.972	O					3.88
143.750	0.00	0.54	2.196	O					4.21	148.917	0.00	0.52	1.969	O					3.87
143.833	0.00	0.54	2.193	O					4.21	149.000	0.00	0.52	1.965	O					3.86
143.917	0.00	0.54	2.189	O					4.20	149.083	0.00	0.52	1.962	O					3.86
144.000	0.00	0.54	2.185	O					4.20	149.167	0.00	0.52	1.958	O					3.85
144.083	0.00	0.54	2.181	O					4.19	149.250	0.00	0.52	1.954	O					3.85
144.167	0.00	0.54	2.178	O					4.19	149.333	0.00	0.52	1.951	O					3.84
144.250	0.00	0.54	2.174	O					4.18	149.417	0.00	0.52	1.947	O					3.83
144.333	0.00	0.54	2.170	O					4.18	149.500	0.00	0.52	1.944	O					3.83
144.417	0.00	0.54	2.166	O					4.17	149.583	0.00	0.52	1.940	O					3.82
144.500	0.00	0.54	2.163	O					4.17	149.667	0.00	0.52	1.937	O					3.82
144.583	0.00	0.54	2.159	O					4.16	149.750	0.00	0.51	1.933	O					3.81
144.667	0.00	0.54	2.155	O					4.15	149.833	0.00	0.51	1.930	O					3.80
144.750	0.00	0.54	2.152	O					4.15	149.917	0.00	0.51	1.926	O					3.80
144.833	0.00	0.54	2.148	O					4.14	150.000	0.00	0.51	1.922	O					3.79
144.917	0.00	0.54	2.144	O					4.14	150.083	0.00	0.51	1.919	O					3.79
145.000	0.00	0.54	2.140	O					4.13	150.167	0.00	0.51	1.915	O					3.78
145.083	0.00	0.54	2.137	O					4.13	150.250	0.00	0.51	1.912	O					3.77
145.167	0.00	0.54	2.133	O					4.12	150.333	0.00	0.51	1.908	O					3.77
145.250	0.00	0.54	2.129	O					4.12	150.417	0.00	0.51	1.905	O					3.76
145.333	0.00	0.54	2.126	O					4.11	150.500	0.00	0.51	1.901	O					3.76
145.417	0.00	0.54	2.122	O					4.11	150.583	0.00	0.51	1.898	O					3.75
145.500	0.00	0.54	2.118	O					4.10	150.667	0.00	0.51	1.894	O					3.74
145.583	0.00	0.54	2.114	O					4.10	150.750	0.00	0.51	1.891	O					3.74
145.667	0.00	0.54	2.111	O					4.09	150.833	0.00	0.51	1.887	O					3.73
145.750	0.00	0.54	2.107	O					4.09	150.917	0.00	0.51	1.884	O					3.73
145.833	0.00	0.54	2.103	O					4.08	151.000	0.00	0.51	1.880	O					3.72
145.917	0.00	0.54	2.100	O					4.08	151.083	0.00	0.51	1.877	O					3.71
146.000	0.00	0.54	2.096	O					4.07	151.167	0.00	0.51	1.873	O					3.71
146.083	0.00	0.53	2.092	O					4.07	151.250	0.00	0.51	1.870	O					3.70
146.167	0.00	0.53	2.089	O					4.06	151.333	0.00	0.51	1.866	O					3.70
146.250	0.00	0.53	2.085	O					4.06	151.417	0.00	0.51	1.863	O					3.69
146.333	0.00	0.53	2.081	O					4.05	151.500	0.00	0.50	1.859	O					3.68
146.417	0.00	0.53	2.078	O					4.05	151.583	0.00	0.50	1.856	O					3.68
146.500	0.00	0.53	2.074	O					4.04	151.667	0.00	0.50	1.852	O					3.67
146.583	0.00	0.53	2.070	O					4.04	151.750	0.00	0.50	1.849	O					3.67
146.667	0.00	0.53	2.067	O					4.03	151.833	0.00	0.50	1.845	O					3.66
146.750	0.00	0.53	2.063	O					4.03	151.917	0.00	0.50	1.842	O					3.66
146.833	0.00	0.53	2.059	O					4.02	152.000	0.00	0.50	1.839	O					3.65
146.917	0.00	0.53	2.056	O					4.01	152.083	0.00	0.50	1.835	O					3.64
147.000	0.00	0.53	2.052	O					4.01	152.167	0.00	0.50	1.832	O					3.64
147.083	0.00	0.53	2.048	O					4.00	152.250	0.00	0.50	1.828	O					3.63
147.167	0.00	0.53	2.045	O					4.00	152.333	0.00	0.50	1.825	O					3.63
147.250	0.00	0.53	2.041	O					3.99	152.417	0.00	0.50	1.821	O					3.62
147.333	0.00	0.53	2.037	O					3.99	152.500	0.00	0.50	1.818	O					3.61

152.583	0.00	0.50	1.814	O	|	|	|	|	3.61	157.750	0.00	0.47	1.608	O	|	|	|	|	3.26
152.667	0.00	0.50	1.811	O	|	|	|	|	3.60	157.833	0.00	0.47	1.604	O	|	|	|	|	3.25
152.750	0.00	0.50	1.808	O	|	|	|	|	3.60	157.917	0.00	0.47	1.601	O	|	|	|	|	3.25
152.833	0.00	0.50	1.804	O	|	|	|	|	3.59	158.000	0.00	0.47	1.598	O	|	|	|	|	3.24
152.917	0.00	0.50	1.801	O	|	|	|	|	3.58	158.083	0.00	0.47	1.595	O	|	|	|	|	3.23
153.000	0.00	0.50	1.797	O	|	|	|	|	3.58	158.167	0.00	0.47	1.591	O	|	|	|	|	3.23
153.083	0.00	0.50	1.794	O	|	|	|	|	3.57	158.250	0.00	0.47	1.588	O	|	|	|	|	3.22
153.167	0.00	0.50	1.790	O	|	|	|	|	3.57	158.333	0.00	0.47	1.585	O	|	|	|	|	3.22
153.250	0.00	0.49	1.787	O	|	|	|	|	3.56	158.417	0.00	0.47	1.582	O	|	|	|	|	3.21
153.333	0.00	0.49	1.784	O	|	|	|	|	3.56	158.500	0.00	0.47	1.579	O	|	|	|	|	3.21
153.417	0.00	0.49	1.780	O	|	|	|	|	3.55	158.583	0.00	0.47	1.575	O	|	|	|	|	3.20
153.500	0.00	0.49	1.777	O	|	|	|	|	3.54	158.667	0.00	0.47	1.572	O	|	|	|	|	3.20
153.583	0.00	0.49	1.773	O	|	|	|	|	3.54	158.750	0.00	0.47	1.569	O	|	|	|	|	3.19
153.667	0.00	0.49	1.770	O	|	|	|	|	3.53	158.833	0.00	0.46	1.566	O	|	|	|	|	3.19
153.750	0.00	0.49	1.767	O	|	|	|	|	3.53	158.917	0.00	0.46	1.563	O	|	|	|	|	3.18
153.833	0.00	0.49	1.763	O	|	|	|	|	3.52	159.000	0.00	0.46	1.559	O	|	|	|	|	3.17
153.917	0.00	0.49	1.760	O	|	|	|	|	3.52	159.083	0.00	0.46	1.556	O	|	|	|	|	3.17
154.000	0.00	0.49	1.757	O	|	|	|	|	3.51	159.167	0.00	0.46	1.553	O	|	|	|	|	3.16
154.083	0.00	0.49	1.753	O	|	|	|	|	3.50	159.250	0.00	0.46	1.550	O	|	|	|	|	3.16
154.167	0.00	0.49	1.750	O	|	|	|	|	3.50	159.333	0.00	0.46	1.547	O	|	|	|	|	3.15
154.250	0.00	0.49	1.746	O	|	|	|	|	3.49	159.417	0.00	0.46	1.543	O	|	|	|	|	3.15
154.333	0.00	0.49	1.743	O	|	|	|	|	3.49	159.500	0.00	0.46	1.540	O	|	|	|	|	3.14
154.417	0.00	0.49	1.740	O	|	|	|	|	3.48	159.583	0.00	0.46	1.537	O	|	|	|	|	3.14
154.500	0.00	0.49	1.736	O	|	|	|	|	3.48	159.667	0.00	0.46	1.534	O	|	|	|	|	3.13
154.583	0.00	0.49	1.733	O	|	|	|	|	3.47	159.750	0.00	0.46	1.531	O	|	|	|	|	3.13
154.667	0.00	0.49	1.730	O	|	|	|	|	3.46	159.833	0.00	0.46	1.528	O	|	|	|	|	3.12
154.750	0.00	0.49	1.726	O	|	|	|	|	3.46	159.917	0.00	0.46	1.524	O	|	|	|	|	3.12
154.833	0.00	0.49	1.723	O	|	|	|	|	3.45	160.000	0.00	0.46	1.521	O	|	|	|	|	3.11
154.917	0.00	0.49	1.720	O	|	|	|	|	3.45	160.083	0.00	0.46	1.518	O	|	|	|	|	3.10
155.000	0.00	0.49	1.716	O	|	|	|	|	3.44	160.167	0.00	0.46	1.515	O	|	|	|	|	3.10
155.083	0.00	0.48	1.713	O	|	|	|	|	3.44	160.250	0.00	0.46	1.512	O	|	|	|	|	3.09
155.167	0.00	0.48	1.710	O	|	|	|	|	3.43	160.333	0.00	0.46	1.509	O	|	|	|	|	3.09
155.250	0.00	0.48	1.706	O	|	|	|	|	3.42	160.417	0.00	0.46	1.505	O	|	|	|	|	3.08
155.333	0.00	0.48	1.703	O	|	|	|	|	3.42	160.500	0.00	0.46	1.502	O	|	|	|	|	3.08
155.417	0.00	0.48	1.700	O	|	|	|	|	3.41	160.583	0.00	0.46	1.499	O	|	|	|	|	3.07
155.500	0.00	0.48	1.696	O	|	|	|	|	3.41	160.667	0.00	0.46	1.496	O	|	|	|	|	3.07
155.583	0.00	0.48	1.693	O	|	|	|	|	3.40	160.750	0.00	0.45	1.493	O	|	|	|	|	3.06
155.667	0.00	0.48	1.690	O	|	|	|	|	3.40	160.833	0.00	0.45	1.490	O	|	|	|	|	3.06
155.750	0.00	0.48	1.686	O	|	|	|	|	3.39	160.917	0.00	0.45	1.487	O	|	|	|	|	3.05
155.833	0.00	0.48	1.683	O	|	|	|	|	3.38	161.000	0.00	0.45	1.483	O	|	|	|	|	3.05
155.917	0.00	0.48	1.680	O	|	|	|	|	3.38	161.083	0.00	0.45	1.480	O	|	|	|	|	3.04
156.000	0.00	0.48	1.676	O	|	|	|	|	3.37	161.167	0.00	0.45	1.477	O	|	|	|	|	3.04
156.083	0.00	0.48	1.673	O	|	|	|	|	3.37	161.250	0.00	0.45	1.474	O	|	|	|	|	3.03
156.167	0.00	0.48	1.670	O	|	|	|	|	3.36	161.333	0.00	0.45	1.471	O	|	|	|	|	3.02
156.250	0.00	0.48	1.666	O	|	|	|	|	3.36	161.417	0.00	0.45	1.468	O	|	|	|	|	3.02
156.333	0.00	0.48	1.663	O	|	|	|	|	3.35	161.500	0.00	0.45	1.465	O	|	|	|	|	3.01
156.417	0.00	0.48	1.660	O	|	|	|	|	3.35	161.583	0.00	0.45	1.462	O	|	|	|	|	3.01
156.500	0.00	0.48	1.657	O	|	|	|	|	3.34	161.667	0.00	0.45	1.459	O	|	|	|	|	3.00
156.583	0.00	0.48	1.653	O	|	|	|	|	3.33	161.750	0.00	0.45	1.455	O	|	|	|	|	3.00
156.667	0.00	0.48	1.650	O	|	|	|	|	3.33	161.833	0.00	0.45	1.452	O	|	|	|	|	2.99
156.750	0.00	0.48	1.647	O	|	|	|	|	3.32	161.917	0.00	0.45	1.449	O	|	|	|	|	2.99
156.833	0.00	0.48	1.643	O	|	|	|	|	3.32	162.000	0.00	0.45	1.446	O	|	|	|	|	2.98
156.917	0.00	0.47	1.640	O	|	|	|	|	3.31	162.083	0.00	0.45	1.443	O	|	|	|	|	2.98
157.000	0.00	0.47	1.637	O	|	|	|	|	3.31	162.167	0.00	0.45	1.440	O	|	|	|	|	2.97
157.083	0.00	0.47	1.634	O	|	|	|	|	3.30	162.250	0.00	0.45	1.437	O	|	|	|	|	2.97
157.167	0.00	0.47	1.630	O	|	|	|	|	3.30	162.333	0.00	0.45	1.434	O	|	|	|	|	2.96
157.250	0.00	0.47	1.627	O	|	|	|	|	3.29	162.417	0.00	0.45	1.431	O	|	|	|	|	2.96
157.333	0.00	0.47	1.624	O	|	|	|	|	3.28	162.500	0.00	0.45	1.428	O	|	|	|	|	2.95
157.417	0.00	0.47	1.621	O	|	|	|	|	3.28	162.583	0.00	0.45	1.425	O	|	|	|	|	2.95
157.500	0.00	0.47	1.617	O	|	|	|	|	3.27	162.667	0.00	0.45	1.422	O	|	|	|	|	2.94
157.583	0.00	0.47	1.614	O	|	|	|	|	3.27	162.750	0.00	0.44	1.419	O	|	|	|	|	2.94
157.667	0.00	0.47	1.611	O	|	|	|	|	3.26	162.833	0.00	0.44	1.415	O	|	|	|	|	2.93

162.917	0.00	0.44	1.412	O	|	|	|	|	2.93	168.083	0.00	0.42	1.228	O	|	|	|	|	2.61
163.000	0.00	0.44	1.409	O	|	|	|	|	2.92	168.167	0.00	0.42	1.225	O	|	|	|	|	2.61
163.083	0.00	0.44	1.406	O	|	|	|	|	2.91	168.250	0.00	0.42	1.222	O	|	|	|	|	2.60
163.167	0.00	0.44	1.403	O	|	|	|	|	2.91	168.333	0.00	0.42	1.220	O	|	|	|	|	2.60
163.250	0.00	0.44	1.400	O	|	|	|	|	2.90	168.417	0.00	0.42	1.217	O	|	|	|	|	2.59
163.333	0.00	0.44	1.397	O	|	|	|	|	2.90	168.500	0.00	0.42	1.214	O	|	|	|	|	2.59
163.417	0.00	0.44	1.394	O	|	|	|	|	2.89	168.583	0.00	0.42	1.211	O	|	|	|	|	2.58
163.500	0.00	0.44	1.391	O	|	|	|	|	2.89	168.667	0.00	0.42	1.208	O	|	|	|	|	2.58
163.583	0.00	0.44	1.388	O	|	|	|	|	2.88	168.750	0.00	0.42	1.205	O	|	|	|	|	2.57
163.667	0.00	0.44	1.385	O	|	|	|	|	2.88	168.833	0.00	0.42	1.202	O	|	|	|	|	2.57
163.750	0.00	0.44	1.382	O	|	|	|	|	2.87	168.917	0.00	0.42	1.199	O	|	|	|	|	2.56
163.833	0.00	0.44	1.379	O	|	|	|	|	2.87	169.000	0.00	0.41	1.197	O	|	|	|	|	2.56
163.917	0.00	0.44	1.376	O	|	|	|	|	2.86	169.083	0.00	0.41	1.194	O	|	|	|	|	2.55
164.000	0.00	0.44	1.373	O	|	|	|	|	2.86	169.167	0.00	0.41	1.191	O	|	|	|	|	2.55
164.083	0.00	0.44	1.370	O	|	|	|	|	2.85	169.250	0.00	0.41	1.188	O	|	|	|	|	2.54
164.167	0.00	0.44	1.367	O	|	|	|	|	2.85	169.333	0.00	0.41	1.185	O	|	|	|	|	2.54
164.250	0.00	0.44	1.364	O	|	|	|	|	2.84	169.417	0.00	0.41	1.182	O	|	|	|	|	2.53
164.333	0.00	0.44	1.361	O	|	|	|	|	2.84	169.500	0.00	0.41	1.180	O	|	|	|	|	2.53
164.417	0.00	0.44	1.358	O	|	|	|	|	2.83	169.583	0.00	0.41	1.177	O	|	|	|	|	2.52
164.500	0.00	0.44	1.355	O	|	|	|	|	2.83	169.667	0.00	0.41	1.174	O	|	|	|	|	2.52
164.583	0.00	0.44	1.352	O	|	|	|	|	2.82	169.750	0.00	0.41	1.171	O	|	|	|	|	2.51
164.667	0.00	0.44	1.349	O	|	|	|	|	2.82	169.833	0.00	0.41	1.168	O	|	|	|	|	2.51
164.750	0.00	0.43	1.346	O	|	|	|	|	2.81	169.917	0.00	0.41	1.165	O	|	|	|	|	2.51
164.833	0.00	0.43	1.343	O	|	|	|	|	2.81	170.000	0.00	0.41	1.163	O	|	|	|	|	2.50
164.917	0.00	0.43	1.340	O	|	|	|	|	2.80	170.083	0.00	0.41	1.160	O	|	|	|	|	2.50
165.000	0.00	0.43	1.337	O	|	|	|	|	2.80	170.167	0.00	0.41	1.157	O	|	|	|	|	2.49
165.083	0.00	0.43	1.334	O	|	|	|	|	2.79	170.250	0.00	0.41	1.154	O	|	|	|	|	2.49
165.167	0.00	0.43	1.331	O	|	|	|	|	2.79	170.333	0.00	0.41	1.151	O	|	|	|	|	2.48
165.250	0.00	0.43	1.328	O	|	|	|	|	2.78	170.417	0.00	0.41	1.148	O	|	|	|	|	2.48
165.333	0.00	0.43	1.325	O	|	|	|	|	2.78	170.500	0.00	0.41	1.146	O	|	|	|	|	2.47
165.417	0.00	0.43	1.322	O	|	|	|	|	2.77	170.583	0.00	0.41	1.143	O	|	|	|	|	2.47
165.500	0.00	0.43	1.319	O	|	|	|	|	2.77	170.667	0.00	0.41	1.140	O	|	|	|	|	2.46
165.583	0.00	0.43	1.316	O	|	|	|	|	2.76	170.750	0.00	0.41	1.137	O	|	|	|	|	2.46
165.667	0.00	0.43	1.313	O	|	|	|	|	2.76	170.833	0.00	0.41	1.134	O	|	|	|	|	2.45
165.750	0.00	0.43	1.310	O	|	|	|	|	2.75	170.917	0.00	0.41	1.132	O	|	|	|	|	2.45
165.833	0.00	0.43	1.307	O	|	|	|	|	2.75	171.000	0.00	0.41	1.129	O	|	|	|	|	2.44
165.917	0.00	0.43	1.304	O	|	|	|	|	2.74	171.083	0.00	0.41	1.126	O	|	|	|	|	2.44
166.000	0.00	0.43	1.301	O	|	|	|	|	2.74	171.167	0.00	0.40	1.123	O	|	|	|	|	2.43
166.083	0.00	0.43	1.298	O	|	|	|	|	2.73	171.250	0.00	0.40	1.120	O	|	|	|	|	2.43
166.167	0.00	0.43	1.295	O	|	|	|	|	2.73	171.333	0.00	0.40	1.118	O	|	|	|	|	2.42
166.250	0.00	0.43	1.292	O	|	|	|	|	2.72	171.417	0.00	0.40	1.115	O	|	|	|	|	2.42
166.333	0.00	0.43	1.289	O	|	|	|	|	2.72	171.500	0.00	0.40	1.112	O	|	|	|	|	2.41
166.417	0.00	0.43	1.286	O	|	|	|	|	2.71	171.583	0.00	0.40	1.109	O	|	|	|	|	2.41
166.500	0.00	0.43	1.284	O	|	|	|	|	2.71	171.667	0.00	0.40	1.107	O	|	|	|	|	2.41
166.583	0.00	0.43	1.281	O	|	|	|	|	2.70	171.750	0.00	0.40	1.104	O	|	|	|	|	2.40
166.667	0.00	0.43	1.278	O	|	|	|	|	2.70	171.833	0.00	0.40	1.101	O	|	|	|	|	2.40
166.750	0.00	0.43	1.275	O	|	|	|	|	2.69	171.917	0.00	0.40	1.098	O	|	|	|	|	2.39
166.833	0.00	0.42	1.272	O	|	|	|	|	2.69	172.000	0.00	0.40	1.096	O	|	|	|	|	2.39
166.917	0.00	0.42	1.269	O	|	|	|	|	2.68	172.083	0.00	0.40	1.093	O	|	|	|	|	2.38
167.000	0.00	0.42	1.266	O	|	|	|	|	2.68	172.167	0.00	0.40	1.090	O	|	|	|	|	2.38
167.083	0.00	0.42	1.263	O	|	|	|	|	2.67	172.250	0.00	0.40	1.087	O	|	|	|	|	2.37
167.167	0.00	0.42	1.260	O	|	|	|	|	2.67	172.333	0.00	0.40	1.084	O	|	|	|	|	2.37
167.250	0.00	0.42	1.257	O	|	|	|	|	2.66	172.417	0.00	0.40	1.082	O	|	|	|	|	2.36
167.333	0.00	0.42	1.254	O	|	|	|	|	2.66	172.500	0.00	0.40	1.079	O	|	|	|	|	2.36
167.417	0.00	0.42	1.251	O	|	|	|	|	2.65	172.583	0.00	0.40	1.076	O	|	|	|	|	2.35
167.500	0.00	0.42	1.248	O	|	|	|	|	2.65	172.667	0.00	0.40	1.074	O	|	|	|	|	2.35
167.583	0.00	0.42	1.246	O	|	|	|	|	2.64	172.750	0.00	0.40	1.071	O	|	|	|	|	2.34
167.667	0.00	0.42	1.243	O	|	|	|	|	2.64	172.833	0.00	0.40	1.068	O	|	|	|	|	2.34
167.750	0.00	0.42	1.240	O	|	|	|	|	2.63	172.917	0.00	0.40	1.065	O	|	|	|	|	2.34
167.833	0.00	0.42	1.237	O	|	|	|	|	2.63	173.000	0.00	0.40	1.063	O	|	|	|	|	2.33
167.917	0.00	0.42	1.234	O	|	|	|	|	2.62	173.083	0.00	0.40	1.060	O	|	|	|	|	2.33
168.000	0.00	0.42	1.231	O	|	|	|	|	2.62	173.167	0.00	0.40	1.057	O	|	|	|	|	2.32

173.250	0.00	0.40	1.054	O	|	|	|	|	2.32	178.417	0.00	0.37	0.890	O	|	|	|	|	2.04
173.333	0.00	0.39	1.052	O	|	|	|	|	2.31	178.500	0.00	0.37	0.888	O	|	|	|	|	2.03
173.417	0.00	0.39	1.049	O	|	|	|	|	2.31	178.583	0.00	0.37	0.885	O	|	|	|	|	2.03
173.500	0.00	0.39	1.046	O	|	|	|	|	2.30	178.667	0.00	0.37	0.883	O	|	|	|	|	2.02
173.583	0.00	0.39	1.044	O	|	|	|	|	2.30	178.750	0.00	0.37	0.880	O	|	|	|	|	2.02
173.667	0.00	0.39	1.041	O	|	|	|	|	2.29	178.833	0.00	0.37	0.878	O	|	|	|	|	2.02
173.750	0.00	0.39	1.038	O	|	|	|	|	2.29	178.917	0.00	0.37	0.875	O	|	|	|	|	2.01
173.833	0.00	0.39	1.035	O	|	|	|	|	2.28	179.000	0.00	0.37	0.872	O	|	|	|	|	2.01
173.917	0.00	0.39	1.033	O	|	|	|	|	2.28	179.083	0.00	0.37	0.870	O	|	|	|	|	2.00
174.000	0.00	0.39	1.030	O	|	|	|	|	2.28	179.167	0.00	0.37	0.867	O	|	|	|	|	2.00
174.083	0.00	0.39	1.027	O	|	|	|	|	2.27	179.250	0.00	0.37	0.865	O	|	|	|	|	1.99
174.167	0.00	0.39	1.025	O	|	|	|	|	2.27	179.333	0.00	0.37	0.862	O	|	|	|	|	1.99
174.250	0.00	0.39	1.022	O	|	|	|	|	2.26	179.417	0.00	0.37	0.860	O	|	|	|	|	1.98
174.333	0.00	0.39	1.019	O	|	|	|	|	2.26	179.500	0.00	0.37	0.857	O	|	|	|	|	1.98
174.417	0.00	0.39	1.017	O	|	|	|	|	2.25	179.583	0.00	0.37	0.855	O	|	|	|	|	1.97
174.500	0.00	0.39	1.014	O	|	|	|	|	2.25	179.667	0.00	0.37	0.852	O	|	|	|	|	1.97
174.583	0.00	0.39	1.011	O	|	|	|	|	2.24	179.750	0.00	0.37	0.850	O	|	|	|	|	1.96
174.667	0.00	0.39	1.008	O	|	|	|	|	2.24	179.833	0.00	0.37	0.847	O	|	|	|	|	1.96
174.750	0.00	0.39	1.006	O	|	|	|	|	2.23	179.917	0.00	0.36	0.845	O	|	|	|	|	1.95
174.833	0.00	0.39	1.003	O	|	|	|	|	2.23	180.000	0.00	0.36	0.842	O	|	|	|	|	1.95
174.917	0.00	0.39	1.000	O	|	|	|	|	2.23	180.083	0.00	0.36	0.840	O	|	|	|	|	1.94
175.000	0.00	0.39	0.998	O	|	|	|	|	2.22	180.167	0.00	0.36	0.837	O	|	|	|	|	1.93
175.083	0.00	0.39	0.995	O	|	|	|	|	2.22	180.250	0.00	0.36	0.835	O	|	|	|	|	1.93
175.167	0.00	0.39	0.992	O	|	|	|	|	2.21	180.333	0.00	0.36	0.832	O	|	|	|	|	1.92
175.250	0.00	0.39	0.990	O	|	|	|	|	2.21	180.417	0.00	0.36	0.830	O	|	|	|	|	1.92
175.333	0.00	0.39	0.987	O	|	|	|	|	2.20	180.500	0.00	0.36	0.827	O	|	|	|	|	1.91
175.417	0.00	0.39	0.984	O	|	|	|	|	2.20	180.583	0.00	0.36	0.825	O	|	|	|	|	1.91
175.500	0.00	0.39	0.982	O	|	|	|	|	2.19	180.667	0.00	0.36	0.822	O	|	|	|	|	1.90
175.583	0.00	0.39	0.979	O	|	|	|	|	2.19	180.750	0.00	0.36	0.820	O	|	|	|	|	1.90
175.667	0.00	0.38	0.976	O	|	|	|	|	2.18	180.833	0.00	0.36	0.817	O	|	|	|	|	1.89
175.750	0.00	0.38	0.974	O	|	|	|	|	2.18	180.917	0.00	0.36	0.815	O	|	|	|	|	1.89
175.833	0.00	0.38	0.971	O	|	|	|	|	2.18	181.000	0.00	0.36	0.812	O	|	|	|	|	1.88
175.917	0.00	0.38	0.969	O	|	|	|	|	2.17	181.083	0.00	0.36	0.810	O	|	|	|	|	1.88
176.000	0.00	0.38	0.966	O	|	|	|	|	2.17	181.167	0.00	0.36	0.807	O	|	|	|	|	1.87
176.083	0.00	0.38	0.963	O	|	|	|	|	2.16	181.250	0.00	0.36	0.805	O	|	|	|	|	1.87
176.167	0.00	0.38	0.961	O	|	|	|	|	2.16	181.333	0.00	0.35	0.803	O	|	|	|	|	1.86
176.250	0.00	0.38	0.958	O	|	|	|	|	2.15	181.417	0.00	0.35	0.800	O	|	|	|	|	1.86
176.333	0.00	0.38	0.955	O	|	|	|	|	2.15	181.500	0.00	0.35	0.798	O	|	|	|	|	1.85
176.417	0.00	0.38	0.953	O	|	|	|	|	2.14	181.583	0.00	0.35	0.795	O	|	|	|	|	1.85
176.500	0.00	0.38	0.950	O	|	|	|	|	2.14	181.667	0.00	0.35	0.793	O	|	|	|	|	1.84
176.583	0.00	0.38	0.948	O	|	|	|	|	2.14	181.750	0.00	0.35	0.790	O	|	|	|	|	1.84
176.667	0.00	0.38	0.945	O	|	|	|	|	2.13	181.833	0.00	0.35	0.788	O	|	|	|	|	1.83
176.750	0.00	0.38	0.942	O	|	|	|	|	2.13	181.917	0.00	0.35	0.786	O	|	|	|	|	1.82
176.833	0.00	0.38	0.940	O	|	|	|	|	2.12	182.000	0.00	0.35	0.783	O	|	|	|	|	1.82
176.917	0.00	0.38	0.937	O	|	|	|	|	2.12	182.083	0.00	0.35	0.781	O	|	|	|	|	1.81
177.000	0.00	0.38	0.934	O	|	|	|	|	2.11	182.167	0.00	0.35	0.778	O	|	|	|	|	1.81
177.083	0.00	0.38	0.932	O	|	|	|	|	2.11	182.250	0.00	0.35	0.776	O	|	|	|	|	1.80
177.167	0.00	0.38	0.929	O	|	|	|	|	2.10	182.333	0.00	0.35	0.773	O	|	|	|	|	1.80
177.250	0.00	0.38	0.927	O	|	|	|	|	2.10	182.417	0.00	0.35	0.771	O	|	|	|	|	1.79
177.333	0.00	0.38	0.924	O	|	|	|	|	2.10	182.500	0.00	0.35	0.769	O	|	|	|	|	1.79
177.417	0.00	0.38	0.921	O	|	|	|	|	2.09	182.583	0.00	0.35	0.766	O	|	|	|	|	1.78
177.500	0.00	0.38	0.919	O	|	|	|	|	2.09	182.667	0.00	0.35	0.764	O	|	|	|	|	1.78
177.583	0.00	0.38	0.916	O	|	|	|	|	2.08	182.750	0.00	0.35	0.762	O	|	|	|	|	1.77
177.667	0.00	0.38	0.914	O	|	|	|	|	2.08	182.833	0.00	0.34	0.759	O	|	|	|	|	1.77
177.750	0.00	0.38	0.911	O	|	|	|	|	2.07	182.917	0.00	0.34	0.757	O	|	|	|	|	1.76
177.833	0.00	0.38	0.908	O	|	|	|	|	2.07	183.000	0.00	0.34	0.754	O	|	|	|	|	1.76
177.917	0.00	0.38	0.906	O	|	|	|	|	2.06	183.083	0.00	0.34	0.752	O	|	|	|	|	1.75
178.000	0.00	0.37	0.903	O	|	|	|	|	2.06	183.167	0.00	0.34	0.750	O	|	|	|	|	1.75
178.083	0.00	0.37	0.901	O	|	|	|	|	2.06	183.250	0.00	0.34	0.747	O	|	|	|	|	1.74
178.167	0.00	0.37	0.898	O	|	|	|	|	2.05	183.333	0.00	0.34	0.745	O	|	|	|	|	1.74
178.250	0.00	0.37	0.896	O	|	|	|	|	2.05	183.417	0.00	0.34	0.743	O	|	|	|	|	1.73
178.333	0.00	0.37	0.893	O	|	|	|	|	2.04	183.500	0.00	0.34	0.740	O	|	|	|	|	1.73

183.583	0.00	0.34	0.738	O	|	|	|	|	1.72	188.750	0.00	0.31	0.600	O	|	|	|	|	1.43
183.667	0.00	0.34	0.736	O	|	|	|	|	1.72	188.833	0.00	0.31	0.598	O	|	|	|	|	1.43
183.750	0.00	0.34	0.733	O	|	|	|	|	1.71	188.917	0.00	0.31	0.596	O	|	|	|	|	1.42
183.833	0.00	0.34	0.731	O	|	|	|	|	1.71	189.000	0.00	0.31	0.594	O	|	|	|	|	1.42
183.917	0.00	0.34	0.729	O	|	|	|	|	1.70	189.083	0.00	0.31	0.591	O	|	|	|	|	1.41
184.000	0.00	0.34	0.726	O	|	|	|	|	1.70	189.167	0.00	0.30	0.589	O	|	|	|	|	1.41
184.083	0.00	0.34	0.724	O	|	|	|	|	1.69	189.250	0.00	0.30	0.587	O	|	|	|	|	1.40
184.167	0.00	0.34	0.722	O	|	|	|	|	1.69	189.333	0.00	0.30	0.585	O	|	|	|	|	1.40
184.250	0.00	0.34	0.719	O	|	|	|	|	1.68	189.417	0.00	0.30	0.583	O	|	|	|	|	1.40
184.333	0.00	0.33	0.717	O	|	|	|	|	1.68	189.500	0.00	0.30	0.581	O	|	|	|	|	1.39
184.417	0.00	0.33	0.715	O	|	|	|	|	1.67	189.583	0.00	0.30	0.579	O	|	|	|	|	1.39
184.500	0.00	0.33	0.712	O	|	|	|	|	1.67	189.667	0.00	0.30	0.577	O	|	|	|	|	1.38
184.583	0.00	0.33	0.710	O	|	|	|	|	1.66	189.750	0.00	0.30	0.575	O	|	|	|	|	1.38
184.667	0.00	0.33	0.708	O	|	|	|	|	1.66	189.833	0.00	0.30	0.573	O	|	|	|	|	1.37
184.750	0.00	0.33	0.706	O	|	|	|	|	1.66	189.917	0.00	0.30	0.571	O	|	|	|	|	1.37
184.833	0.00	0.33	0.703	O	|	|	|	|	1.65	190.000	0.00	0.30	0.569	O	|	|	|	|	1.36
184.917	0.00	0.33	0.701	O	|	|	|	|	1.65	190.083	0.00	0.30	0.566	O	|	|	|	|	1.36
185.000	0.00	0.33	0.699	O	|	|	|	|	1.64	190.167	0.00	0.30	0.564	O	|	|	|	|	1.36
185.083	0.00	0.33	0.696	O	|	|	|	|	1.64	190.250	0.00	0.30	0.562	O	|	|	|	|	1.35
185.167	0.00	0.33	0.694	O	|	|	|	|	1.63	190.333	0.00	0.30	0.560	O	|	|	|	|	1.35
185.250	0.00	0.33	0.692	O	|	|	|	|	1.63	190.417	0.00	0.30	0.558	O	|	|	|	|	1.34
185.333	0.00	0.33	0.690	O	|	|	|	|	1.62	190.500	0.00	0.30	0.556	O	|	|	|	|	1.34
185.417	0.00	0.33	0.687	O	|	|	|	|	1.62	190.583	0.00	0.30	0.554	O	|	|	|	|	1.33
185.500	0.00	0.33	0.685	O	|	|	|	|	1.61	190.667	0.00	0.30	0.552	O	|	|	|	|	1.33
185.583	0.00	0.33	0.683	O	|	|	|	|	1.61	190.750	0.00	0.30	0.550	O	|	|	|	|	1.33
185.667	0.00	0.33	0.681	O	|	|	|	|	1.60	190.833	0.00	0.30	0.548	O	|	|	|	|	1.32
185.750	0.00	0.33	0.678	O	|	|	|	|	1.60	190.917	0.00	0.29	0.546	O	|	|	|	|	1.32
185.833	0.00	0.33	0.676	O	|	|	|	|	1.59	191.000	0.00	0.29	0.544	O	|	|	|	|	1.31
185.917	0.00	0.32	0.674	O	|	|	|	|	1.59	191.083	0.00	0.29	0.542	O	|	|	|	|	1.31
186.000	0.00	0.32	0.672	O	|	|	|	|	1.58	191.167	0.00	0.29	0.540	O	|	|	|	|	1.30
186.083	0.00	0.32	0.669	O	|	|	|	|	1.58	191.250	0.00	0.29	0.538	O	|	|	|	|	1.30
186.167	0.00	0.32	0.667	O	|	|	|	|	1.57	191.333	0.00	0.29	0.536	O	|	|	|	|	1.29
186.250	0.00	0.32	0.665	O	|	|	|	|	1.57	191.417	0.00	0.29	0.534	O	|	|	|	|	1.29
186.333	0.00	0.32	0.663	O	|	|	|	|	1.56	191.500	0.00	0.29	0.532	O	|	|	|	|	1.29
186.417	0.00	0.32	0.661	O	|	|	|	|	1.56	191.583	0.00	0.29	0.530	O	|	|	|	|	1.28
186.500	0.00	0.32	0.658	O	|	|	|	|	1.55	191.667	0.00	0.29	0.528	O	|	|	|	|	1.28
186.583	0.00	0.32	0.656	O	|	|	|	|	1.55	191.750	0.00	0.29	0.526	O	|	|	|	|	1.27
186.667	0.00	0.32	0.654	O	|	|	|	|	1.55	191.833	0.00	0.29	0.524	O	|	|	|	|	1.27
186.750	0.00	0.32	0.652	O	|	|	|	|	1.54	191.917	0.00	0.29	0.522	O	|	|	|	|	1.27
186.833	0.00	0.32	0.650	O	|	|	|	|	1.54	192.000	0.00	0.29	0.520	O	|	|	|	|	1.26
186.917	0.00	0.32	0.647	O	|	|	|	|	1.53	192.083	0.00	0.29	0.518	O	|	|	|	|	1.26
187.000	0.00	0.32	0.645	O	|	|	|	|	1.53	192.167	0.00	0.29	0.516	O	|	|	|	|	1.25
187.083	0.00	0.32	0.643	O	|	|	|	|	1.52	192.250	0.00	0.29	0.514	O	|	|	|	|	1.25
187.167	0.00	0.32	0.641	O	|	|	|	|	1.52	192.333	0.00	0.29	0.512	O	|	|	|	|	1.24
187.250	0.00	0.32	0.639	O	|	|	|	|	1.51	192.417	0.00	0.29	0.510	O	|	|	|	|	1.24
187.333	0.00	0.32	0.636	O	|	|	|	|	1.51	192.500	0.00	0.29	0.508	O	|	|	|	|	1.24
187.417	0.00	0.32	0.634	O	|	|	|	|	1.50	192.583	0.00	0.29	0.506	O	|	|	|	|	1.23
187.500	0.00	0.31	0.632	O	|	|	|	|	1.50	192.667	0.00	0.29	0.504	O	|	|	|	|	1.23
187.583	0.00	0.31	0.630	O	|	|	|	|	1.49	192.750	0.00	0.28	0.502	O	|	|	|	|	1.22
187.667	0.00	0.31	0.628	O	|	|	|	|	1.49	192.833	0.00	0.28	0.500	O	|	|	|	|	1.22
187.750	0.00	0.31	0.626	O	|	|	|	|	1.49	192.917	0.00	0.28	0.498	O	|	|	|	|	1.21
187.833	0.00	0.31	0.623	O	|	|	|	|	1.48	193.000	0.00	0.28	0.496	O	|	|	|	|	1.21
187.917	0.00	0.31	0.621	O	|	|	|	|	1.48	193.083	0.00	0.28	0.494	O	|	|	|	|	1.21
188.000	0.00	0.31	0.619	O	|	|	|	|	1.47	193.167	0.00	0.28	0.492	O	|	|	|	|	1.20
188.083	0.00	0.31	0.617	O	|	|	|	|	1.47	193.250	0.00	0.28	0.490	O	|	|	|	|	1.20
188.167	0.00	0.31	0.615	O	|	|	|	|	1.46	193.333	0.00	0.28	0.488	O	|	|	|	|	1.19
188.250	0.00	0.31	0.613	O	|	|	|	|	1.46	193.417	0.00	0.28	0.487	O	|	|	|	|	1.19
188.333	0.00	0.31	0.611	O	|	|	|	|	1.45	193.500	0.00	0.28	0.485	O	|	|	|	|	1.19
188.417	0.00	0.31	0.608	O	|	|	|	|	1.45	193.583	0.00	0.28	0.483	O	|	|	|	|	1.18
188.500	0.00	0.31	0.606	O	|	|	|	|	1.44	193.667	0.00	0.28	0.481	O	|	|	|	|	1.18
188.583	0.00	0.31	0.604	O	|	|	|	|	1.44	193.750	0.00	0.28	0.479	O	|	|	|	|	1.17
188.667	0.00	0.31	0.602	O	|	|	|	|	1.44	193.833	0.00	0.28	0.477	O	|	|	|	|	1.17

193.917	0.00	0.28	0.475	O	|	|	|	|	1.17	199.083	0.00	0.24	0.363	O	|	|	|	|	0.91
194.000	0.00	0.28	0.473	O	|	|	|	|	1.16	199.167	0.00	0.24	0.361	O	|	|	|	|	0.91
194.083	0.00	0.28	0.471	O	|	|	|	|	1.16	199.250	0.00	0.24	0.360	O	|	|	|	|	0.91
194.167	0.00	0.28	0.469	O	|	|	|	|	1.15	199.333	0.00	0.23	0.358	O	|	|	|	|	0.90
194.250	0.00	0.28	0.467	O	|	|	|	|	1.15	199.417	0.00	0.23	0.356	O	|	|	|	|	0.90
194.333	0.00	0.28	0.465	O	|	|	|	|	1.15	199.500	0.00	0.23	0.355	O	|	|	|	|	0.89
194.417	0.00	0.28	0.464	O	|	|	|	|	1.14	199.583	0.00	0.23	0.353	O	|	|	|	|	0.89
194.500	0.00	0.28	0.462	O	|	|	|	|	1.14	199.667	0.00	0.23	0.352	O	|	|	|	|	0.89
194.583	0.00	0.27	0.460	O	|	|	|	|	1.13	199.750	0.00	0.23	0.350	O	|	|	|	|	0.88
194.667	0.00	0.27	0.458	O	|	|	|	|	1.13	199.833	0.00	0.23	0.348	O	|	|	|	|	0.88
194.750	0.00	0.27	0.456	O	|	|	|	|	1.13	199.917	0.00	0.23	0.347	O	|	|	|	|	0.87
194.833	0.00	0.27	0.454	O	|	|	|	|	1.12	200.000	0.00	0.23	0.345	O	|	|	|	|	0.87
194.917	0.00	0.27	0.452	O	|	|	|	|	1.12	200.083	0.00	0.23	0.344	O	|	|	|	|	0.87
195.000	0.00	0.27	0.450	O	|	|	|	|	1.11	200.167	0.00	0.22	0.342	O	|	|	|	|	0.86
195.083	0.00	0.27	0.448	O	|	|	|	|	1.11	200.250	0.00	0.22	0.341	O	|	|	|	|	0.86
195.167	0.00	0.27	0.447	O	|	|	|	|	1.11	200.333	0.00	0.22	0.339	O	|	|	|	|	0.85
195.250	0.00	0.27	0.445	O	|	|	|	|	1.10	200.417	0.00	0.22	0.338	O	|	|	|	|	0.85
195.333	0.00	0.27	0.443	O	|	|	|	|	1.10	200.500	0.00	0.22	0.336	O	|	|	|	|	0.85
195.417	0.00	0.27	0.441	O	|	|	|	|	1.09	200.583	0.00	0.22	0.335	O	|	|	|	|	0.84
195.500	0.00	0.27	0.439	O	|	|	|	|	1.09	200.667	0.00	0.22	0.333	O	|	|	|	|	0.84
195.583	0.00	0.27	0.437	O	|	|	|	|	1.09	200.750	0.00	0.22	0.332	O	|	|	|	|	0.84
195.667	0.00	0.27	0.435	O	|	|	|	|	1.08	200.833	0.00	0.22	0.330	O	|	|	|	|	0.83
195.750	0.00	0.27	0.434	O	|	|	|	|	1.08	200.917	0.00	0.22	0.329	O	|	|	|	|	0.83
195.833	0.00	0.27	0.432	O	|	|	|	|	1.07	201.000	0.00	0.21	0.327	O	|	|	|	|	0.82
195.917	0.00	0.27	0.430	O	|	|	|	|	1.07	201.083	0.00	0.21	0.326	O	|	|	|	|	0.82
196.000	0.00	0.27	0.428	O	|	|	|	|	1.07	201.167	0.00	0.21	0.324	O	|	|	|	|	0.82
196.083	0.00	0.27	0.426	O	|	|	|	|	1.06	201.250	0.00	0.21	0.323	O	|	|	|	|	0.81
196.167	0.00	0.27	0.424	O	|	|	|	|	1.06	201.333	0.00	0.21	0.321	O	|	|	|	|	0.81
196.250	0.00	0.27	0.423	O	|	|	|	|	1.05	201.417	0.00	0.21	0.320	O	|	|	|	|	0.81
196.333	0.00	0.27	0.421	O	|	|	|	|	1.05	201.500	0.00	0.21	0.318	O	|	|	|	|	0.80
196.417	0.00	0.27	0.419	O	|	|	|	|	1.05	201.583	0.00	0.21	0.317	O	|	|	|	|	0.80
196.500	0.00	0.26	0.417	O	|	|	|	|	1.04	201.667	0.00	0.21	0.316	O	|	|	|	|	0.79
196.583	0.00	0.26	0.415	O	|	|	|	|	1.04	201.750	0.00	0.21	0.314	O	|	|	|	|	0.79
196.667	0.00	0.26	0.413	O	|	|	|	|	1.03	201.833	0.00	0.20	0.313	O	|	|	|	|	0.79
196.750	0.00	0.26	0.412	O	|	|	|	|	1.03	201.917	0.00	0.20	0.311	O	|	|	|	|	0.78
196.833	0.00	0.26	0.410	O	|	|	|	|	1.03	202.000	0.00	0.20	0.310	O	|	|	|	|	0.78
196.917	0.00	0.26	0.408	O	|	|	|	|	1.02	202.083	0.00	0.20	0.309	O	|	|	|	|	0.78
197.000	0.00	0.26	0.406	O	|	|	|	|	1.02	202.167	0.00	0.20	0.307	O	|	|	|	|	0.77
197.083	0.00	0.26	0.404	O	|	|	|	|	1.02	202.250	0.00	0.20	0.306	O	|	|	|	|	0.77
197.167	0.00	0.26	0.403	O	|	|	|	|	1.01	202.333	0.00	0.20	0.304	O	|	|	|	|	0.77
197.250	0.00	0.26	0.401	O	|	|	|	|	1.01	202.417	0.00	0.20	0.303	O	|	|	|	|	0.76
197.333	0.00	0.26	0.399	O	|	|	|	|	1.00	202.500	0.00	0.20	0.302	O	|	|	|	|	0.76
197.417	0.00	0.26	0.397	O	|	|	|	|	1.00	202.583	0.00	0.20	0.300	O	|	|	|	|	0.76
197.500	0.00	0.26	0.395	O	|	|	|	|	1.00	202.667	0.00	0.20	0.299	O	|	|	|	|	0.75
197.583	0.00	0.26	0.394	O	|	|	|	|	0.99	202.750	0.00	0.19	0.298	O	|	|	|	|	0.75
197.667	0.00	0.26	0.392	O	|	|	|	|	0.99	202.833	0.00	0.19	0.296	O	|	|	|	|	0.75
197.750	0.00	0.26	0.390	O	|	|	|	|	0.98	202.917	0.00	0.19	0.295	O	|	|	|	|	0.74
197.833	0.00	0.25	0.388	O	|	|	|	|	0.98	203.000	0.00	0.19	0.294	O	|	|	|	|	0.74
197.917	0.00	0.25	0.387	O	|	|	|	|	0.97	203.083	0.00	0.19	0.292	O	|	|	|	|	0.74
198.000	0.00	0.25	0.385	O	|	|	|	|	0.97	203.167	0.00	0.19	0.291	O	|	|	|	|	0.73
198.083	0.00	0.25	0.383	O	|	|	|	|	0.97	203.250	0.00	0.19	0.290	O	|	|	|	|	0.73
198.167	0.00	0.25	0.381	O	|	|	|	|	0.96	203.333	0.00	0.19	0.288	O	|	|	|	|	0.73
198.250	0.00	0.25	0.380	O	|	|	|	|	0.96	203.417	0.00	0.19	0.287	O	|	|	|	|	0.72
198.333	0.00	0.25	0.378	O	|	|	|	|	0.95	203.500	0.00	0.19	0.286	O	|	|	|	|	0.72
198.417	0.00	0.25	0.376	O	|	|	|	|	0.95	203.583	0.00	0.19	0.284	O	|	|	|	|	0.72
198.500	0.00	0.25	0.375	O	|	|	|	|	0.94	203.667	0.00	0.19	0.283	O	|	|	|	|	0.71
198.583	0.00	0.24	0.373	O	|	|	|	|	0.94	203.750	0.00	0.18	0.282	O	|	|	|	|	0.71
198.667	0.00	0.24	0.371	O	|	|	|	|	0.94	203.833	0.00	0.18	0.281	O	|	|	|	|	0.71
198.750	0.00	0.24	0.370	O	|	|	|	|	0.93	203.917	0.00	0.18	0.279	O	|	|	|	|	0.70
198.833	0.00	0.24	0.368	O	|	|	|	|	0.93	204.000	0.00	0.18	0.278	O	|	|	|	|	0.70
198.917	0.00	0.24	0.366	O	|	|	|	|	0.92	204.083	0.00	0.18	0.277	O	|	|	|	|	0.70
199.000	0.00	0.24	0.365	O	|	|	|	|	0.92	204.167	0.00	0.18	0.276	O	|	|	|	|	0.69

204.250	0.00	0.18	0.274	O	|	|	|	|	0.69	209.417	0.00	0.14	0.207	O	|	|	|	|	0.52
204.333	0.00	0.18	0.273	O	|	|	|	|	0.69	209.500	0.00	0.14	0.207	O	|	|	|	|	0.52
204.417	0.00	0.18	0.272	O	|	|	|	|	0.68	209.583	0.00	0.13	0.206	O	|	|	|	|	0.52
204.500	0.00	0.18	0.271	O	|	|	|	|	0.68	209.667	0.00	0.13	0.205	O	|	|	|	|	0.52
204.583	0.00	0.18	0.269	O	|	|	|	|	0.68	209.750	0.00	0.13	0.204	O	|	|	|	|	0.51
204.667	0.00	0.18	0.268	O	|	|	|	|	0.68	209.833	0.00	0.13	0.203	O	|	|	|	|	0.51
204.750	0.00	0.17	0.267	O	|	|	|	|	0.67	209.917	0.00	0.13	0.202	O	|	|	|	|	0.51
204.833	0.00	0.17	0.266	O	|	|	|	|	0.67	210.000	0.00	0.13	0.201	O	|	|	|	|	0.51
204.917	0.00	0.17	0.265	O	|	|	|	|	0.67	210.083	0.00	0.13	0.200	O	|	|	|	|	0.50
205.000	0.00	0.17	0.263	O	|	|	|	|	0.66	210.167	0.00	0.13	0.199	O	|	|	|	|	0.50
205.083	0.00	0.17	0.262	O	|	|	|	|	0.66	210.250	0.00	0.13	0.198	O	|	|	|	|	0.50
205.167	0.00	0.17	0.261	O	|	|	|	|	0.66	210.333	0.00	0.13	0.197	O	|	|	|	|	0.50
205.250	0.00	0.17	0.260	O	|	|	|	|	0.65	210.417	0.00	0.13	0.197	O	|	|	|	|	0.50
205.333	0.00	0.17	0.259	O	|	|	|	|	0.65	210.500	0.00	0.13	0.196	O	|	|	|	|	0.49
205.417	0.00	0.17	0.258	O	|	|	|	|	0.65	210.583	0.00	0.13	0.195	O	|	|	|	|	0.49
205.500	0.00	0.17	0.256	O	|	|	|	|	0.65	210.667	0.00	0.13	0.194	O	|	|	|	|	0.49
205.583	0.00	0.17	0.255	O	|	|	|	|	0.64	210.750	0.00	0.13	0.193	O	|	|	|	|	0.49
205.667	0.00	0.17	0.254	O	|	|	|	|	0.64	210.833	0.00	0.13	0.192	O	|	|	|	|	0.48
205.750	0.00	0.17	0.253	O	|	|	|	|	0.64	210.917	0.00	0.13	0.191	O	|	|	|	|	0.48
205.833	0.00	0.16	0.252	O	|	|	|	|	0.63	211.000	0.00	0.12	0.190	O	|	|	|	|	0.48
205.917	0.00	0.16	0.251	O	|	|	|	|	0.63	211.083	0.00	0.12	0.190	O	|	|	|	|	0.48
206.000	0.00	0.16	0.250	O	|	|	|	|	0.63	211.167	0.00	0.12	0.189	O	|	|	|	|	0.48
206.083	0.00	0.16	0.248	O	|	|	|	|	0.63	211.250	0.00	0.12	0.188	O	|	|	|	|	0.47
206.167	0.00	0.16	0.247	O	|	|	|	|	0.62	211.333	0.00	0.12	0.187	O	|	|	|	|	0.47
206.250	0.00	0.16	0.246	O	|	|	|	|	0.62	211.417	0.00	0.12	0.186	O	|	|	|	|	0.47
206.333	0.00	0.16	0.245	O	|	|	|	|	0.62	211.500	0.00	0.12	0.185	O	|	|	|	|	0.47
206.417	0.00	0.16	0.244	O	|	|	|	|	0.61	211.583	0.00	0.12	0.185	O	|	|	|	|	0.46
206.500	0.00	0.16	0.243	O	|	|	|	|	0.61	211.667	0.00	0.12	0.184	O	|	|	|	|	0.46
206.583	0.00	0.16	0.242	O	|	|	|	|	0.61	211.750	0.00	0.12	0.183	O	|	|	|	|	0.46
206.667	0.00	0.16	0.241	O	|	|	|	|	0.61	211.833	0.00	0.12	0.182	O	|	|	|	|	0.46
206.750	0.00	0.16	0.240	O	|	|	|	|	0.60	211.917	0.00	0.12	0.181	O	|	|	|	|	0.46
206.833	0.00	0.16	0.239	O	|	|	|	|	0.60	212.000	0.00	0.12	0.180	O	|	|	|	|	0.45
206.917	0.00	0.16	0.238	O	|	|	|	|	0.60	212.083	0.00	0.12	0.180	O	|	|	|	|	0.45
207.000	0.00	0.15	0.236	O	|	|	|	|	0.60	212.167	0.00	0.12	0.179	O	|	|	|	|	0.45
207.083	0.00	0.15	0.235	O	|	|	|	|	0.59	212.250	0.00	0.12	0.178	O	|	|	|	|	0.45
207.167	0.00	0.15	0.234	O	|	|	|	|	0.59	212.333	0.00	0.12	0.177	O	|	|	|	|	0.45
207.250	0.00	0.15	0.233	O	|	|	|	|	0.59	212.417	0.00	0.12	0.176	O	|	|	|	|	0.44
207.333	0.00	0.15	0.232	O	|	|	|	|	0.58	212.500	0.00	0.11	0.176	O	|	|	|	|	0.44
207.417	0.00	0.15	0.231	O	|	|	|	|	0.58	212.583	0.00	0.11	0.175	O	|	|	|	|	0.44
207.500	0.00	0.15	0.230	O	|	|	|	|	0.58	212.667	0.00	0.11	0.174	O	|	|	|	|	0.44
207.583	0.00	0.15	0.229	O	|	|	|	|	0.58	212.750	0.00	0.11	0.173	O	|	|	|	|	0.44
207.667	0.00	0.15	0.228	O	|	|	|	|	0.57	212.833	0.00	0.11	0.172	O	|	|	|	|	0.43
207.750	0.00	0.15	0.227	O	|	|	|	|	0.57	212.917	0.00	0.11	0.172	O	|	|	|	|	0.43
207.833	0.00	0.15	0.226	O	|	|	|	|	0.57	213.000	0.00	0.11	0.171	O	|	|	|	|	0.43
207.917	0.00	0.15	0.225	O	|	|	|	|	0.57	213.083	0.00	0.11	0.170	O	|	|	|	|	0.43
208.000	0.00	0.15	0.224	O	|	|	|	|	0.56	213.167	0.00	0.11	0.169	O	|	|	|	|	0.43
208.083	0.00	0.15	0.223	O	|	|	|	|	0.56	213.250	0.00	0.11	0.169	O	|	|	|	|	0.42
208.167	0.00	0.15	0.222	O	|	|	|	|	0.56	213.333	0.00	0.11	0.168	O	|	|	|	|	0.42
208.250	0.00	0.14	0.221	O	|	|	|	|	0.56	213.417	0.00	0.11	0.167	O	|	|	|	|	0.42
208.333	0.00	0.14	0.220	O	|	|	|	|	0.55	213.500	0.00	0.11	0.166	O	|	|	|	|	0.42
208.417	0.00	0.14	0.219	O	|	|	|	|	0.55	213.583	0.00	0.11	0.166	O	|	|	|	|	0.42
208.500	0.00	0.14	0.218	O	|	|	|	|	0.55	213.667	0.00	0.11	0.165	O	|	|	|	|	0.42
208.583	0.00	0.14	0.217	O	|	|	|	|	0.55	213.750	0.00	0.11	0.164	O	|	|	|	|	0.41
208.667	0.00	0.14	0.216	O	|	|	|	|	0.54	213.833	0.00	0.11	0.163	O	|	|	|	|	0.41
208.750	0.00	0.14	0.215	O	|	|	|	|	0.54	213.917	0.00	0.11	0.163	O	|	|	|	|	0.41
208.833	0.00	0.14	0.214	O	|	|	|	|	0.54	214.000	0.00	0.11	0.162	O	|	|	|	|	0.41
208.917	0.00	0.14	0.213	O	|	|	|	|	0.54	214.083	0.00	0.11	0.161	O	|	|	|	|	0.41
209.000	0.00	0.14	0.212	O	|	|	|	|	0.53	214.167	0.00	0.11	0.160	O	|	|	|	|	0.40
209.083	0.00	0.14	0.211	O	|	|	|	|	0.53	214.250	0.00	0.10	0.160	O	|	|	|	|	0.40
209.167	0.00	0.14	0.210	O	|	|	|	|	0.53	214.333	0.00	0.10	0.159	O	|	|	|	|	0.40
209.250	0.00	0.14	0.209	O	|	|	|	|	0.53	214.417	0.00	0.10	0.158	O	|	|	|	|	0.40
209.333	0.00	0.14	0.208	O	|	|	|	|	0.52	214.500	0.00	0.10	0.158	O	|	|	|	|	0.40

214.583	0.00	0.10	0.157	O	|	|	|	|	0.40	219.750	0.00	0.08	0.119	O	|	|	|	|	0.30
214.667	0.00	0.10	0.156	O	|	|	|	|	0.39	219.833	0.00	0.08	0.118	O	|	|	|	|	0.30
214.750	0.00	0.10	0.155	O	|	|	|	|	0.39	219.917	0.00	0.08	0.118	O	|	|	|	|	0.30
214.833	0.00	0.10	0.155	O	|	|	|	|	0.39	220.000	0.00	0.08	0.117	O	|	|	|	|	0.29
214.917	0.00	0.10	0.154	O	|	|	|	|	0.39	220.083	0.00	0.08	0.116	O	|	|	|	|	0.29
215.000	0.00	0.10	0.153	O	|	|	|	|	0.39	220.167	0.00	0.08	0.116	O	|	|	|	|	0.29
215.083	0.00	0.10	0.153	O	|	|	|	|	0.38	220.250	0.00	0.08	0.115	O	|	|	|	|	0.29
215.167	0.00	0.10	0.152	O	|	|	|	|	0.38	220.333	0.00	0.08	0.115	O	|	|	|	|	0.29
215.250	0.00	0.10	0.151	O	|	|	|	|	0.38	220.417	0.00	0.07	0.114	O	|	|	|	|	0.29
215.333	0.00	0.10	0.151	O	|	|	|	|	0.38	220.500	0.00	0.07	0.114	O	|	|	|	|	0.29
215.417	0.00	0.10	0.150	O	|	|	|	|	0.38	220.583	0.00	0.07	0.113	O	|	|	|	|	0.29
215.500	0.00	0.10	0.149	O	|	|	|	|	0.38	220.667	0.00	0.07	0.113	O	|	|	|	|	0.28
215.583	0.00	0.10	0.149	O	|	|	|	|	0.37	220.750	0.00	0.07	0.112	O	|	|	|	|	0.28
215.667	0.00	0.10	0.148	O	|	|	|	|	0.37	220.833	0.00	0.07	0.112	O	|	|	|	|	0.28
215.750	0.00	0.10	0.147	O	|	|	|	|	0.37	220.917	0.00	0.07	0.111	O	|	|	|	|	0.28
215.833	0.00	0.10	0.147	O	|	|	|	|	0.37	221.000	0.00	0.07	0.111	O	|	|	|	|	0.28
215.917	0.00	0.10	0.146	O	|	|	|	|	0.37	221.083	0.00	0.07	0.110	O	|	|	|	|	0.28
216.000	0.00	0.10	0.145	O	|	|	|	|	0.37	221.167	0.00	0.07	0.110	O	|	|	|	|	0.28
216.083	0.00	0.09	0.145	O	|	|	|	|	0.36	221.250	0.00	0.07	0.109	O	|	|	|	|	0.28
216.167	0.00	0.09	0.144	O	|	|	|	|	0.36	221.333	0.00	0.07	0.109	O	|	|	|	|	0.27
216.250	0.00	0.09	0.143	O	|	|	|	|	0.36	221.417	0.00	0.07	0.108	O	|	|	|	|	0.27
216.333	0.00	0.09	0.143	O	|	|	|	|	0.36	221.500	0.00	0.07	0.108	O	|	|	|	|	0.27
216.417	0.00	0.09	0.142	O	|	|	|	|	0.36	221.583	0.00	0.07	0.107	O	|	|	|	|	0.27
216.500	0.00	0.09	0.141	O	|	|	|	|	0.36	221.667	0.00	0.07	0.107	O	|	|	|	|	0.27
216.583	0.00	0.09	0.141	O	|	|	|	|	0.35	221.750	0.00	0.07	0.106	O	|	|	|	|	0.27
216.667	0.00	0.09	0.140	O	|	|	|	|	0.35	221.833	0.00	0.07	0.106	O	|	|	|	|	0.27
216.750	0.00	0.09	0.139	O	|	|	|	|	0.35	221.917	0.00	0.07	0.105	O	|	|	|	|	0.27
216.833	0.00	0.09	0.139	O	|	|	|	|	0.35	222.000	0.00	0.07	0.105	O	|	|	|	|	0.26
216.917	0.00	0.09	0.138	O	|	|	|	|	0.35	222.083	0.00	0.07	0.105	O	|	|	|	|	0.26
217.000	0.00	0.09	0.138	O	|	|	|	|	0.35	222.167	0.00	0.07	0.104	O	|	|	|	|	0.26
217.083	0.00	0.09	0.137	O	|	|	|	|	0.35	222.250	0.00	0.07	0.104	O	|	|	|	|	0.26
217.167	0.00	0.09	0.136	O	|	|	|	|	0.34	222.333	0.00	0.07	0.103	O	|	|	|	|	0.26
217.250	0.00	0.09	0.136	O	|	|	|	|	0.34	222.417	0.00	0.07	0.103	O	|	|	|	|	0.26
217.333	0.00	0.09	0.135	O	|	|	|	|	0.34	222.500	0.00	0.07	0.102	O	|	|	|	|	0.26
217.417	0.00	0.09	0.135	O	|	|	|	|	0.34	222.583	0.00	0.07	0.102	O	|	|	|	|	0.26
217.500	0.00	0.09	0.134	O	|	|	|	|	0.34	222.667	0.00	0.07	0.101	O	|	|	|	|	0.26
217.583	0.00	0.09	0.133	O	|	|	|	|	0.34	222.750	0.00	0.07	0.101	O	|	|	|	|	0.25
217.667	0.00	0.09	0.133	O	|	|	|	|	0.33	222.833	0.00	0.07	0.100	O	|	|	|	|	0.25
217.750	0.00	0.09	0.132	O	|	|	|	|	0.33	222.917	0.00	0.07	0.100	O	|	|	|	|	0.25
217.833	0.00	0.09	0.132	O	|	|	|	|	0.33	223.000	0.00	0.07	0.099	O	|	|	|	|	0.25
217.917	0.00	0.09	0.131	O	|	|	|	|	0.33	223.083	0.00	0.06	0.099	O	|	|	|	|	0.25
218.000	0.00	0.09	0.130	O	|	|	|	|	0.33	223.167	0.00	0.06	0.099	O	|	|	|	|	0.25
218.083	0.00	0.08	0.130	O	|	|	|	|	0.33	223.250	0.00	0.06	0.098	O	|	|	|	|	0.25
218.167	0.00	0.08	0.129	O	|	|	|	|	0.33	223.333	0.00	0.06	0.098	O	|	|	|	|	0.25
218.250	0.00	0.08	0.129	O	|	|	|	|	0.32	223.417	0.00	0.06	0.097	O	|	|	|	|	0.24
218.333	0.00	0.08	0.128	O	|	|	|	|	0.32	223.500	0.00	0.06	0.097	O	|	|	|	|	0.24
218.417	0.00	0.08	0.127	O	|	|	|	|	0.32	223.583	0.00	0.06	0.096	O	|	|	|	|	0.24
218.500	0.00	0.08	0.127	O	|	|	|	|	0.32	223.667	0.00	0.06	0.096	O	|	|	|	|	0.24
218.583	0.00	0.08	0.126	O	|	|	|	|	0.32	223.750	0.00	0.06	0.096	O	|	|	|	|	0.24
218.667	0.00	0.08	0.126	O	|	|	|	|	0.32	223.833	0.00	0.06	0.095	O	|	|	|	|	0.24
218.750	0.00	0.08	0.125	O	|	|	|	|	0.32	223.917	0.00	0.06	0.095	O	|	|	|	|	0.24
218.833	0.00	0.08	0.125	O	|	|	|	|	0.31	224.000	0.00	0.06	0.094	O	|	|	|	|	0.24
218.917	0.00	0.08	0.124	O	|	|	|	|	0.31	224.083	0.00	0.06	0.094	O	|	|	|	|	0.24
219.000	0.00	0.08	0.123	O	|	|	|	|	0.31	224.167	0.00	0.06	0.093	O	|	|	|	|	0.24
219.083	0.00	0.08	0.123	O	|	|	|	|	0.31	224.250	0.00	0.06	0.093	O	|	|	|	|	0.23
219.167	0.00	0.08	0.122	O	|	|	|	|	0.31	224.333	0.00	0.06	0.093	O	|	|	|	|	0.23
219.250	0.00	0.08	0.122	O	|	|	|	|	0.31	224.417	0.00	0.06	0.092	O	|	|	|	|	0.23
219.333	0.00	0.08	0.121	O	|	|	|	|	0.31	224.500	0.00	0.06	0.092	O	|	|	|	|	0.23
219.417	0.00	0.08	0.121	O	|	|	|	|	0.30	224.583	0.00	0.06	0.091	O	|	|	|	|	0.23
219.500	0.00	0.08	0.120	O	|	|	|	|	0.30	224.667	0.00	0.06	0.091	O	|	|	|	|	0.23
219.583	0.00	0.08	0.120	O	|	|	|	|	0.30	224.750	0.00	0.06	0.090	O	|	|	|	|	0.23
219.667	0.00	0.08	0.119	O	|	|	|	|	0.30	224.833	0.00	0.06	0.090	O	|	|	|	|	0.23

224.917	0.00	0.06	0.090	O	|	|	|	|	0.23	230.083	0.00	0.04	0.068	O	|	|	|	|	0.17
225.000	0.00	0.06	0.089	O	|	|	|	|	0.22	230.167	0.00	0.04	0.067	O	|	|	|	|	0.17
225.083	0.00	0.06	0.089	O	|	|	|	|	0.22	230.250	0.00	0.04	0.067	O	|	|	|	|	0.17
225.167	0.00	0.06	0.088	O	|	|	|	|	0.22	230.333	0.00	0.04	0.067	O	|	|	|	|	0.17
225.250	0.00	0.06	0.088	O	|	|	|	|	0.22	230.417	0.00	0.04	0.067	O	|	|	|	|	0.17
225.333	0.00	0.06	0.088	O	|	|	|	|	0.22	230.500	0.00	0.04	0.066	O	|	|	|	|	0.17
225.417	0.00	0.06	0.087	O	|	|	|	|	0.22	230.583	0.00	0.04	0.066	O	|	|	|	|	0.17
225.500	0.00	0.06	0.087	O	|	|	|	|	0.22	230.667	0.00	0.04	0.066	O	|	|	|	|	0.17
225.583	0.00	0.06	0.086	O	|	|	|	|	0.22	230.750	0.00	0.04	0.065	O	|	|	|	|	0.16
225.667	0.00	0.06	0.086	O	|	|	|	|	0.22	230.833	0.00	0.04	0.065	O	|	|	|	|	0.16
225.750	0.00	0.06	0.086	O	|	|	|	|	0.22	230.917	0.00	0.04	0.065	O	|	|	|	|	0.16
225.833	0.00	0.06	0.085	O	|	|	|	|	0.21	231.000	0.00	0.04	0.065	O	|	|	|	|	0.16
225.917	0.00	0.06	0.085	O	|	|	|	|	0.21	231.083	0.00	0.04	0.064	O	|	|	|	|	0.16
226.000	0.00	0.06	0.085	O	|	|	|	|	0.21	231.167	0.00	0.04	0.064	O	|	|	|	|	0.16
226.083	0.00	0.06	0.084	O	|	|	|	|	0.21	231.250	0.00	0.04	0.064	O	|	|	|	|	0.16
226.167	0.00	0.05	0.084	O	|	|	|	|	0.21	231.333	0.00	0.04	0.063	O	|	|	|	|	0.16
226.250	0.00	0.05	0.083	O	|	|	|	|	0.21	231.417	0.00	0.04	0.063	O	|	|	|	|	0.16
226.333	0.00	0.05	0.083	O	|	|	|	|	0.21	231.500	0.00	0.04	0.063	O	|	|	|	|	0.16
226.417	0.00	0.05	0.083	O	|	|	|	|	0.21	231.583	0.00	0.04	0.062	O	|	|	|	|	0.16
226.500	0.00	0.05	0.082	O	|	|	|	|	0.21	231.667	0.00	0.04	0.062	O	|	|	|	|	0.16
226.583	0.00	0.05	0.082	O	|	|	|	|	0.21	231.750	0.00	0.04	0.062	O	|	|	|	|	0.16
226.667	0.00	0.05	0.082	O	|	|	|	|	0.21	231.833	0.00	0.04	0.062	O	|	|	|	|	0.16
226.750	0.00	0.05	0.081	O	|	|	|	|	0.20	231.917	0.00	0.04	0.061	O	|	|	|	|	0.15
226.833	0.00	0.05	0.081	O	|	|	|	|	0.20	232.000	0.00	0.04	0.061	O	|	|	|	|	0.15
226.917	0.00	0.05	0.080	O	|	|	|	|	0.20	232.083	0.00	0.04	0.061	O	|	|	|	|	0.15
227.000	0.00	0.05	0.080	O	|	|	|	|	0.20	232.167	0.00	0.04	0.061	O	|	|	|	|	0.15
227.083	0.00	0.05	0.080	O	|	|	|	|	0.20	232.250	0.00	0.04	0.060	O	|	|	|	|	0.15
227.167	0.00	0.05	0.079	O	|	|	|	|	0.20	232.333	0.00	0.04	0.060	O	|	|	|	|	0.15
227.250	0.00	0.05	0.079	O	|	|	|	|	0.20	232.417	0.00	0.04	0.060	O	|	|	|	|	0.15
227.333	0.00	0.05	0.079	O	|	|	|	|	0.20	232.500	0.00	0.04	0.059	O	|	|	|	|	0.15
227.417	0.00	0.05	0.078	O	|	|	|	|	0.20	232.583	0.00	0.04	0.059	O	|	|	|	|	0.15
227.500	0.00	0.05	0.078	O	|	|	|	|	0.20	232.667	0.00	0.04	0.059	O	|	|	|	|	0.15
227.583	0.00	0.05	0.078	O	|	|	|	|	0.20	232.750	0.00	0.04	0.059	O	|	|	|	|	0.15
227.667	0.00	0.05	0.077	O	|	|	|	|	0.19	232.833	0.00	0.04	0.058	O	|	|	|	|	0.15
227.750	0.00	0.05	0.077	O	|	|	|	|	0.19	232.917	0.00	0.04	0.058	O	|	|	|	|	0.15
227.833	0.00	0.05	0.077	O	|	|	|	|	0.19	233.000	0.00	0.04	0.058	O	|	|	|	|	0.15
227.917	0.00	0.05	0.076	O	|	|	|	|	0.19	233.083	0.00	0.04	0.058	O	|	|	|	|	0.15
228.000	0.00	0.05	0.076	O	|	|	|	|	0.19	233.167	0.00	0.04	0.057	O	|	|	|	|	0.14
228.083	0.00	0.05	0.076	O	|	|	|	|	0.19	233.250	0.00	0.04	0.057	O	|	|	|	|	0.14
228.167	0.00	0.05	0.075	O	|	|	|	|	0.19	233.333	0.00	0.04	0.057	O	|	|	|	|	0.14
228.250	0.00	0.05	0.075	O	|	|	|	|	0.19	233.417	0.00	0.04	0.057	O	|	|	|	|	0.14
228.333	0.00	0.05	0.075	O	|	|	|	|	0.19	233.500	0.00	0.04	0.056	O	|	|	|	|	0.14
228.417	0.00	0.05	0.074	O	|	|	|	|	0.19	233.583	0.00	0.04	0.056	O	|	|	|	|	0.14
228.500	0.00	0.05	0.074	O	|	|	|	|	0.19	233.667	0.00	0.04	0.056	O	|	|	|	|	0.14
228.583	0.00	0.05	0.074	O	|	|	|	|	0.19	233.750	0.00	0.04	0.056	O	|	|	|	|	0.14
228.667	0.00	0.05	0.073	O	|	|	|	|	0.18	233.833	0.00	0.04	0.055	O	|	|	|	|	0.14
228.750	0.00	0.05	0.073	O	|	|	|	|	0.18	233.917	0.00	0.04	0.055	O	|	|	|	|	0.14
228.833	0.00	0.05	0.073	O	|	|	|	|	0.18	234.000	0.00	0.04	0.055	O	|	|	|	|	0.14
228.917	0.00	0.05	0.072	O	|	|	|	|	0.18	234.083	0.00	0.04	0.055	O	|	|	|	|	0.14
229.000	0.00	0.05	0.072	O	|	|	|	|	0.18	234.167	0.00	0.04	0.054	O	|	|	|	|	0.14
229.083	0.00	0.05	0.072	O	|	|	|	|	0.18	234.250	0.00	0.04	0.054	O	|	|	|	|	0.14
229.167	0.00	0.05	0.071	O	|	|	|	|	0.18	234.333	0.00	0.04	0.054	O	|	|	|	|	0.14
229.250	0.00	0.05	0.071	O	|	|	|	|	0.18	234.417	0.00	0.04	0.054	O	|	|	|	|	0.14
229.333	0.00	0.05	0.071	O	|	|	|	|	0.18	234.500	0.00	0.03	0.053	O	|	|	|	|	0.13
229.417	0.00	0.05	0.070	O	|	|	|	|	0.18	234.583	0.00	0.03	0.053	O	|	|	|	|	0.13
229.500	0.00	0.05	0.070	O	|	|	|	|	0.18	234.667	0.00	0.03	0.053	O	|	|	|	|	0.13
229.583	0.00	0.05	0.070	O	|	|	|	|	0.18	234.750	0.00	0.03	0.053	O	|	|	|	|	0.13
229.667	0.00	0.05	0.069	O	|	|	|	|	0.17	234.833	0.00	0.03	0.052	O	|	|	|	|	0.13
229.750	0.00	0.05	0.069	O	|	|	|	|	0.17	234.917	0.00	0.03	0.052	O	|	|	|	|	0.13
229.833	0.00	0.04	0.069	O	|	|	|	|	0.17	235.000	0.00	0.03	0.052	O	|	|	|	|	0.13
229.917	0.00	0.04	0.068	O	|	|	|	|	0.17	235.083	0.00	0.03	0.052	O	|	|	|	|	0.13
230.000	0.00	0.04	0.068	O	|	|	|	|	0.17	235.167	0.00	0.03	0.051	O	|	|	|	|	0.13

235.250	0.00	0.03	0.051	O	|	|	|	|	0.13	240.417	0.00	0.03	0.039	O	|	|	|	|	0.10
235.333	0.00	0.03	0.051	O	|	|	|	|	0.13	240.500	0.00	0.03	0.039	O	|	|	|	|	0.10
235.417	0.00	0.03	0.051	O	|	|	|	|	0.13	240.583	0.00	0.03	0.038	O	|	|	|	|	0.10
235.500	0.00	0.03	0.051	O	|	|	|	|	0.13	240.667	0.00	0.03	0.038	O	|	|	|	|	0.10
235.583	0.00	0.03	0.050	O	|	|	|	|	0.13	240.750	0.00	0.02	0.038	O	|	|	|	|	0.10
235.667	0.00	0.03	0.050	O	|	|	|	|	0.13	240.833	0.00	0.02	0.038	O	|	|	|	|	0.10
235.750	0.00	0.03	0.050	O	|	|	|	|	0.13	240.917	0.00	0.02	0.038	O	|	|	|	|	0.09
235.833	0.00	0.03	0.050	O	|	|	|	|	0.13	241.000	0.00	0.02	0.038	O	|	|	|	|	0.09
235.917	0.00	0.03	0.049	O	|	|	|	|	0.12	241.083	0.00	0.02	0.037	O	|	|	|	|	0.09
236.000	0.00	0.03	0.049	O	|	|	|	|	0.12	241.167	0.00	0.02	0.037	O	|	|	|	|	0.09
236.083	0.00	0.03	0.049	O	|	|	|	|	0.12	241.250	0.00	0.02	0.037	O	|	|	|	|	0.09
236.167	0.00	0.03	0.049	O	|	|	|	|	0.12	241.333	0.00	0.02	0.037	O	|	|	|	|	0.09
236.250	0.00	0.03	0.049	O	|	|	|	|	0.12	241.417	0.00	0.02	0.037	O	|	|	|	|	0.09
236.333	0.00	0.03	0.048	O	|	|	|	|	0.12	241.500	0.00	0.02	0.037	O	|	|	|	|	0.09
236.417	0.00	0.03	0.048	O	|	|	|	|	0.12	241.583	0.00	0.02	0.036	O	|	|	|	|	0.09
236.500	0.00	0.03	0.048	O	|	|	|	|	0.12	241.667	0.00	0.02	0.036	O	|	|	|	|	0.09
236.583	0.00	0.03	0.048	O	|	|	|	|	0.12	241.750	0.00	0.02	0.036	O	|	|	|	|	0.09
236.667	0.00	0.03	0.047	O	|	|	|	|	0.12	241.833	0.00	0.02	0.036	O	|	|	|	|	0.09
236.750	0.00	0.03	0.047	O	|	|	|	|	0.12	241.917	0.00	0.02	0.036	O	|	|	|	|	0.09
236.833	0.00	0.03	0.047	O	|	|	|	|	0.12	242.000	0.00	0.02	0.036	O	|	|	|	|	0.09
236.917	0.00	0.03	0.047	O	|	|	|	|	0.12	242.083	0.00	0.02	0.035	O	|	|	|	|	0.09
237.000	0.00	0.03	0.047	O	|	|	|	|	0.12	242.167	0.00	0.02	0.035	O	|	|	|	|	0.09
237.083	0.00	0.03	0.046	O	|	|	|	|	0.12	242.250	0.00	0.02	0.035	O	|	|	|	|	0.09
237.167	0.00	0.03	0.046	O	|	|	|	|	0.12	242.333	0.00	0.02	0.035	O	|	|	|	|	0.09
237.250	0.00	0.03	0.046	O	|	|	|	|	0.12	242.417	0.00	0.02	0.035	O	|	|	|	|	0.09
237.333	0.00	0.03	0.046	O	|	|	|	|	0.12	242.500	0.00	0.02	0.035	O	|	|	|	|	0.09
237.417	0.00	0.03	0.046	O	|	|	|	|	0.11	242.583	0.00	0.02	0.034	O	|	|	|	|	0.09
237.500	0.00	0.03	0.045	O	|	|	|	|	0.11	242.667	0.00	0.02	0.034	O	|	|	|	|	0.09
237.583	0.00	0.03	0.045	O	|	|	|	|	0.11	242.750	0.00	0.02	0.034	O	|	|	|	|	0.09
237.667	0.00	0.03	0.045	O	|	|	|	|	0.11	242.833	0.00	0.02	0.034	O	|	|	|	|	0.09
237.750	0.00	0.03	0.045	O	|	|	|	|	0.11	242.917	0.00	0.02	0.034	O	|	|	|	|	0.09
237.833	0.00	0.03	0.045	O	|	|	|	|	0.11	243.000	0.00	0.02	0.034	O	|	|	|	|	0.08
237.917	0.00	0.03	0.044	O	|	|	|	|	0.11	243.083	0.00	0.02	0.034	O	|	|	|	|	0.08
238.000	0.00	0.03	0.044	O	|	|	|	|	0.11	243.167	0.00	0.02	0.033	O	|	|	|	|	0.08
238.083	0.00	0.03	0.044	O	|	|	|	|	0.11	243.250	0.00	0.02	0.033	O	|	|	|	|	0.08
238.167	0.00	0.03	0.044	O	|	|	|	|	0.11	243.333	0.00	0.02	0.033	O	|	|	|	|	0.08
238.250	0.00	0.03	0.044	O	|	|	|	|	0.11	243.417	0.00	0.02	0.033	O	|	|	|	|	0.08
238.333	0.00	0.03	0.043	O	|	|	|	|	0.11	243.500	0.00	0.02	0.033	O	|	|	|	|	0.08
238.417	0.00	0.03	0.043	O	|	|	|	|	0.11	243.583	0.00	0.02	0.033	O	|	|	|	|	0.08
238.500	0.00	0.03	0.043	O	|	|	|	|	0.11	243.667	0.00	0.02	0.032	O	|	|	|	|	0.08
238.583	0.00	0.03	0.043	O	|	|	|	|	0.11	243.750	0.00	0.02	0.032	O	|	|	|	|	0.08
238.667	0.00	0.03	0.043	O	|	|	|	|	0.11	243.833	0.00	0.02	0.032	O	|	|	|	|	0.08
238.750	0.00	0.03	0.042	O	|	|	|	|	0.11	243.917	0.00	0.02	0.032	O	|	|	|	|	0.08
238.833	0.00	0.03	0.042	O	|	|	|	|	0.11	244.000	0.00	0.02	0.032	O	|	|	|	|	0.08
238.917	0.00	0.03	0.042	O	|	|	|	|	0.11	244.083	0.00	0.02	0.032	O	|	|	|	|	0.08
239.000	0.00	0.03	0.042	O	|	|	|	|	0.11	244.167	0.00	0.02	0.032	O	|	|	|	|	0.08
239.083	0.00	0.03	0.042	O	|	|	|	|	0.10	244.250	0.00	0.02	0.031	O	|	|	|	|	0.08
239.167	0.00	0.03	0.041	O	|	|	|	|	0.10	244.333	0.00	0.02	0.031	O	|	|	|	|	0.08
239.250	0.00	0.03	0.041	O	|	|	|	|	0.10	244.417	0.00	0.02	0.031	O	|	|	|	|	0.08
239.333	0.00	0.03	0.041	O	|	|	|	|	0.10	244.500	0.00	0.02	0.031	O	|	|	|	|	0.08
239.417	0.00	0.03	0.041	O	|	|	|	|	0.10	244.583	0.00	0.02	0.031	O	|	|	|	|	0.08
239.500	0.00	0.03	0.041	O	|	|	|	|	0.10	244.667	0.00	0.02	0.031	O	|	|	|	|	0.08
239.583	0.00	0.03	0.041	O	|	|	|	|	0.10	244.750	0.00	0.02	0.031	O	|	|	|	|	0.08
239.667	0.00	0.03	0.040	O	|	|	|	|	0.10	244.833	0.00	0.02	0.031	O	|	|	|	|	0.08
239.750	0.00	0.03	0.040	O	|	|	|	|	0.10	244.917	0.00	0.02	0.030	O	|	|	|	|	0.08
239.833	0.00	0.03	0.040	O	|	|	|	|	0.10	245.000	0.00	0.02	0.030	O	|	|	|	|	0.08
239.917	0.00	0.03	0.040	O	|	|	|	|	0.10	245.083	0.00	0.02	0.030	O	|	|	|	|	0.08
240.000	0.00	0.03	0.040	O	|	|	|	|	0.10	245.167	0.00	0.02	0.030	O	|	|	|	|	0.08
240.083	0.00	0.03	0.039	O	|	|	|	|	0.10	245.250	0.00	0.02	0.030	O	|	|	|	|	0.08
240.167	0.00	0.03	0.039	O	|	|	|	|	0.10	245.333	0.00	0.02	0.030	O	|	|	|	|	0.07
240.250	0.00	0.03	0.039	O	|	|	|	|	0.10	245.417	0.00	0.02	0.030	O	|	|	|	|	0.07
240.333	0.00	0.03	0.039	O	|	|	|	|	0.10	245.500	0.00	0.02	0.029	O	|	|	|	|	0.07

245.583	0.00	0.02	0.029	O	|	|	|	|	0.07	250.750	0.00	0.01	0.022	O	|	|	|	|	0.06
245.667	0.00	0.02	0.029	O	|	|	|	|	0.07	250.833	0.00	0.01	0.022	O	|	|	|	|	0.06
245.750	0.00	0.02	0.029	O	|	|	|	|	0.07	250.917	0.00	0.01	0.022	O	|	|	|	|	0.06
245.833	0.00	0.02	0.029	O	|	|	|	|	0.07	251.000	0.00	0.01	0.022	O	|	|	|	|	0.06
245.917	0.00	0.02	0.029	O	|	|	|	|	0.07	251.083	0.00	0.01	0.022	O	|	|	|	|	0.05
246.000	0.00	0.02	0.029	O	|	|	|	|	0.07	251.167	0.00	0.01	0.022	O	|	|	|	|	0.05
246.083	0.00	0.02	0.029	O	|	|	|	|	0.07	251.250	0.00	0.01	0.022	O	|	|	|	|	0.05
246.167	0.00	0.02	0.028	O	|	|	|	|	0.07	251.333	0.00	0.01	0.021	O	|	|	|	|	0.05
246.250	0.00	0.02	0.028	O	|	|	|	|	0.07	251.417	0.00	0.01	0.021	O	|	|	|	|	0.05
246.333	0.00	0.02	0.028	O	|	|	|	|	0.07	251.500	0.00	0.01	0.021	O	|	|	|	|	0.05
246.417	0.00	0.02	0.028	O	|	|	|	|	0.07	251.583	0.00	0.01	0.021	O	|	|	|	|	0.05
246.500	0.00	0.02	0.028	O	|	|	|	|	0.07	251.667	0.00	0.01	0.021	O	|	|	|	|	0.05
246.583	0.00	0.02	0.028	O	|	|	|	|	0.07	251.750	0.00	0.01	0.021	O	|	|	|	|	0.05
246.667	0.00	0.02	0.028	O	|	|	|	|	0.07	251.833	0.00	0.01	0.021	O	|	|	|	|	0.05
246.750	0.00	0.02	0.028	O	|	|	|	|	0.07	251.917	0.00	0.01	0.021	O	|	|	|	|	0.05
246.833	0.00	0.02	0.027	O	|	|	|	|	0.07	252.000	0.00	0.01	0.021	O	|	|	|	|	0.05
246.917	0.00	0.02	0.027	O	|	|	|	|	0.07	252.083	0.00	0.01	0.021	O	|	|	|	|	0.05
247.000	0.00	0.02	0.027	O	|	|	|	|	0.07	252.167	0.00	0.01	0.021	O	|	|	|	|	0.05
247.083	0.00	0.02	0.027	O	|	|	|	|	0.07	252.250	0.00	0.01	0.020	O	|	|	|	|	0.05
247.167	0.00	0.02	0.027	O	|	|	|	|	0.07	252.333	0.00	0.01	0.020	O	|	|	|	|	0.05
247.250	0.00	0.02	0.027	O	|	|	|	|	0.07	252.417	0.00	0.01	0.020	O	|	|	|	|	0.05
247.333	0.00	0.02	0.027	O	|	|	|	|	0.07	252.500	0.00	0.01	0.020	O	|	|	|	|	0.05
247.417	0.00	0.02	0.027	O	|	|	|	|	0.07	252.583	0.00	0.01	0.020	O	|	|	|	|	0.05
247.500	0.00	0.02	0.026	O	|	|	|	|	0.07	252.667	0.00	0.01	0.020	O	|	|	|	|	0.05
247.583	0.00	0.02	0.026	O	|	|	|	|	0.07	252.750	0.00	0.01	0.020	O	|	|	|	|	0.05
247.667	0.00	0.02	0.026	O	|	|	|	|	0.07	252.833	0.00	0.01	0.020	O	|	|	|	|	0.05
247.750	0.00	0.02	0.026	O	|	|	|	|	0.07	252.917	0.00	0.01	0.020	O	|	|	|	|	0.05
247.833	0.00	0.02	0.026	O	|	|	|	|	0.07	253.000	0.00	0.01	0.020	O	|	|	|	|	0.05
247.917	0.00	0.02	0.026	O	|	|	|	|	0.07	253.083	0.00	0.01	0.020	O	|	|	|	|	0.05
248.000	0.00	0.02	0.026	O	|	|	|	|	0.06	253.167	0.00	0.01	0.019	O	|	|	|	|	0.05
248.083	0.00	0.02	0.026	O	|	|	|	|	0.06	253.250	0.00	0.01	0.019	O	|	|	|	|	0.05
248.167	0.00	0.02	0.025	O	|	|	|	|	0.06	253.333	0.00	0.01	0.019	O	|	|	|	|	0.05
248.250	0.00	0.02	0.025	O	|	|	|	|	0.06	253.417	0.00	0.01	0.019	O	|	|	|	|	0.05
248.333	0.00	0.02	0.025	O	|	|	|	|	0.06	253.500	0.00	0.01	0.019	O	|	|	|	|	0.05
248.417	0.00	0.02	0.025	O	|	|	|	|	0.06	253.583	0.00	0.01	0.019	O	|	|	|	|	0.05
248.500	0.00	0.02	0.025	O	|	|	|	|	0.06	253.667	0.00	0.01	0.019	O	|	|	|	|	0.05
248.583	0.00	0.02	0.025	O	|	|	|	|	0.06	253.750	0.00	0.01	0.019	O	|	|	|	|	0.05
248.667	0.00	0.02	0.025	O	|	|	|	|	0.06	253.833	0.00	0.01	0.019	O	|	|	|	|	0.05
248.750	0.00	0.02	0.025	O	|	|	|	|	0.06	253.917	0.00	0.01	0.019	O	|	|	|	|	0.05
248.833	0.00	0.02	0.025	O	|	|	|	|	0.06	254.000	0.00	0.01	0.019	O	|	|	|	|	0.05
248.917	0.00	0.02	0.024	O	|	|	|	|	0.06	254.083	0.00	0.01	0.018	O	|	|	|	|	0.05
249.000	0.00	0.02	0.024	O	|	|	|	|	0.06	254.167	0.00	0.01	0.018	O	|	|	|	|	0.05
249.083	0.00	0.02	0.024	O	|	|	|	|	0.06	254.250	0.00	0.01	0.018	O	|	|	|	|	0.05
249.167	0.00	0.02	0.024	O	|	|	|	|	0.06	254.333	0.00	0.01	0.018	O	|	|	|	|	0.05
249.250	0.00	0.02	0.024	O	|	|	|	|	0.06	254.417	0.00	0.01	0.018	O	|	|	|	|	0.05
249.333	0.00	0.02	0.024	O	|	|	|	|	0.06	254.500	0.00	0.01	0.018	O	|	|	|	|	0.05
249.417	0.00	0.02	0.024	O	|	|	|	|	0.06	254.583	0.00	0.01	0.018	O	|	|	|	|	0.05
249.500	0.00	0.02	0.024	O	|	|	|	|	0.06	254.667	0.00	0.01	0.018	O	|	|	|	|	0.05
249.583	0.00	0.02	0.024	O	|	|	|	|	0.06	254.750	0.00	0.01	0.018	O	|	|	|	|	0.04
249.667	0.00	0.02	0.023	O	|	|	|	|	0.06	254.833	0.00	0.01	0.018	O	|	|	|	|	0.04
249.750	0.00	0.02	0.023	O	|	|	|	|	0.06	254.917	0.00	0.01	0.018	O	|	|	|	|	0.04
249.833	0.00	0.02	0.023	O	|	|	|	|	0.06	255.000	0.00	0.01	0.018	O	|	|	|	|	0.04
249.917	0.00	0.02	0.023	O	|	|	|	|	0.06	255.083	0.00	0.01	0.018	O	|	|	|	|	0.04
250.000	0.00	0.02	0.023	O	|	|	|	|	0.06	255.167	0.00	0.01	0.017	O	|	|	|	|	0.04
250.083	0.00	0.02	0.023	O	|	|	|	|	0.06	255.250	0.00	0.01	0.017	O	|	|	|	|	0.04
250.167	0.00	0.01	0.023	O	|	|	|	|	0.06	255.333	0.00	0.01	0.017	O	|	|	|	|	0.04
250.250	0.00	0.01	0.023	O	|	|	|	|	0.06	255.417	0.00	0.01	0.017	O	|	|	|	|	0.04
250.333	0.00	0.01	0.023	O	|	|	|	|	0.06	255.500	0.00	0.01	0.017	O	|	|	|	|	0.04
250.417	0.00	0.01	0.023	O	|	|	|	|	0.06	255.583	0.00	0.01	0.017	O	|	|	|	|	0.04
250.500	0.00	0.01	0.022	O	|	|	|	|	0.06	255.667	0.00	0.01	0.017	O	|	|	|	|	0.04
250.583	0.00	0.01	0.022	O	|	|	|	|	0.06	255.750	0.00	0.01	0.017	O	|	|	|	|	0.04
250.667	0.00	0.01	0.022	O	|	|	|	|	0.06	255.833	0.00	0.01	0.017	O	|	|	|	|	0.04

255.917	0.00	0.01	0.017	O	|	|	|	|	0.04	261.083	0.00	0.01	0.013	O	|	|	|	|	0.03
256.000	0.00	0.01	0.017	O	|	|	|	|	0.04	261.167	0.00	0.01	0.013	O	|	|	|	|	0.03
256.083	0.00	0.01	0.017	O	|	|	|	|	0.04	261.250	0.00	0.01	0.013	O	|	|	|	|	0.03
256.167	0.00	0.01	0.017	O	|	|	|	|	0.04	261.333	0.00	0.01	0.012	O	|	|	|	|	0.03
256.250	0.00	0.01	0.016	O	|	|	|	|	0.04	261.417	0.00	0.01	0.012	O	|	|	|	|	0.03
256.333	0.00	0.01	0.016	O	|	|	|	|	0.04	261.500	0.00	0.01	0.012	O	|	|	|	|	0.03
256.417	0.00	0.01	0.016	O	|	|	|	|	0.04	261.583	0.00	0.01	0.012	O	|	|	|	|	0.03
256.500	0.00	0.01	0.016	O	|	|	|	|	0.04	261.667	0.00	0.01	0.012	O	|	|	|	|	0.03
256.583	0.00	0.01	0.016	O	|	|	|	|	0.04	261.750	0.00	0.01	0.012	O	|	|	|	|	0.03
256.667	0.00	0.01	0.016	O	|	|	|	|	0.04	261.833	0.00	0.01	0.012	O	|	|	|	|	0.03
256.750	0.00	0.01	0.016	O	|	|	|	|	0.04	261.917	0.00	0.01	0.012	O	|	|	|	|	0.03
256.833	0.00	0.01	0.016	O	|	|	|	|	0.04	262.000	0.00	0.01	0.012	O	|	|	|	|	0.03
256.917	0.00	0.01	0.016	O	|	|	|	|	0.04	262.083	0.00	0.01	0.012	O	|	|	|	|	0.03
257.000	0.00	0.01	0.016	O	|	|	|	|	0.04	262.167	0.00	0.01	0.012	O	|	|	|	|	0.03
257.083	0.00	0.01	0.016	O	|	|	|	|	0.04	262.250	0.00	0.01	0.012	O	|	|	|	|	0.03
257.167	0.00	0.01	0.016	O	|	|	|	|	0.04	262.333	0.00	0.01	0.012	O	|	|	|	|	0.03
257.250	0.00	0.01	0.016	O	|	|	|	|	0.04	262.417	0.00	0.01	0.012	O	|	|	|	|	0.03
257.333	0.00	0.01	0.016	O	|	|	|	|	0.04	262.500	0.00	0.01	0.012	O	|	|	|	|	0.03
257.417	0.00	0.01	0.015	O	|	|	|	|	0.04	262.583	0.00	0.01	0.012	O	|	|	|	|	0.03
257.500	0.00	0.01	0.015	O	|	|	|	|	0.04	262.667	0.00	0.01	0.012	O	|	|	|	|	0.03
257.583	0.00	0.01	0.015	O	|	|	|	|	0.04	262.750	0.00	0.01	0.012	O	|	|	|	|	0.03
257.667	0.00	0.01	0.015	O	|	|	|	|	0.04	262.833	0.00	0.01	0.012	O	|	|	|	|	0.03
257.750	0.00	0.01	0.015	O	|	|	|	|	0.04	262.917	0.00	0.01	0.011	O	|	|	|	|	0.03
257.833	0.00	0.01	0.015	O	|	|	|	|	0.04	263.000	0.00	0.01	0.011	O	|	|	|	|	0.03
257.917	0.00	0.01	0.015	O	|	|	|	|	0.04	263.083	0.00	0.01	0.011	O	|	|	|	|	0.03
258.000	0.00	0.01	0.015	O	|	|	|	|	0.04	263.167	0.00	0.01	0.011	O	|	|	|	|	0.03
258.083	0.00	0.01	0.015	O	|	|	|	|	0.04	263.250	0.00	0.01	0.011	O	|	|	|	|	0.03
258.167	0.00	0.01	0.015	O	|	|	|	|	0.04	263.333	0.00	0.01	0.011	O	|	|	|	|	0.03
258.250	0.00	0.01	0.015	O	|	|	|	|	0.04	263.417	0.00	0.01	0.011	O	|	|	|	|	0.03
258.333	0.00	0.01	0.015	O	|	|	|	|	0.04	263.500	0.00	0.01	0.011	O	|	|	|	|	0.03
258.417	0.00	0.01	0.015	O	|	|	|	|	0.04	263.583	0.00	0.01	0.011	O	|	|	|	|	0.03
258.500	0.00	0.01	0.015	O	|	|	|	|	0.04	263.667	0.00	0.01	0.011	O	|	|	|	|	0.03
258.583	0.00	0.01	0.014	O	|	|	|	|	0.04	263.750	0.00	0.01	0.011	O	|	|	|	|	0.03
258.667	0.00	0.01	0.014	O	|	|	|	|	0.04	263.833	0.00	0.01	0.011	O	|	|	|	|	0.03
258.750	0.00	0.01	0.014	O	|	|	|	|	0.04	263.917	0.00	0.01	0.011	O	|	|	|	|	0.03
258.833	0.00	0.01	0.014	O	|	|	|	|	0.04	264.000	0.00	0.01	0.011	O	|	|	|	|	0.03
258.917	0.00	0.01	0.014	O	|	|	|	|	0.04	264.083	0.00	0.01	0.011	O	|	|	|	|	0.03
259.000	0.00	0.01	0.014	O	|	|	|	|	0.04	264.167	0.00	0.01	0.011	O	|	|	|	|	0.03
259.083	0.00	0.01	0.014	O	|	|	|	|	0.04	264.250	0.00	0.01	0.011	O	|	|	|	|	0.03
259.167	0.00	0.01	0.014	O	|	|	|	|	0.04	264.333	0.00	0.01	0.011	O	|	|	|	|	0.03
259.250	0.00	0.01	0.014	O	|	|	|	|	0.04	264.417	0.00	0.01	0.011	O	|	|	|	|	0.03
259.333	0.00	0.01	0.014	O	|	|	|	|	0.04	264.500	0.00	0.01	0.011	O	|	|	|	|	0.03
259.417	0.00	0.01	0.014	O	|	|	|	|	0.03	264.583	0.00	0.01	0.010	O	|	|	|	|	0.03
259.500	0.00	0.01	0.014	O	|	|	|	|	0.03	264.667	0.00	0.01	0.010	O	|	|	|	|	0.03
259.583	0.00	0.01	0.014	O	|	|	|	|	0.03	264.750	0.00	0.01	0.010	O	|	|	|	|	0.03
259.667	0.00	0.01	0.014	O	|	|	|	|	0.03	264.833	0.00	0.01	0.010	O	|	|	|	|	0.03
259.750	0.00	0.01	0.014	O	|	|	|	|	0.03	264.917	0.00	0.01	0.010	O	|	|	|	|	0.03
259.833	0.00	0.01	0.014	O	|	|	|	|	0.03	265.000	0.00	0.01	0.010	O	|	|	|	|	0.03
259.917	0.00	0.01	0.013	O	|	|	|	|	0.03	265.083	0.00	0.01	0.010	O	|	|	|	|	0.03
260.000	0.00	0.01	0.013	O	|	|	|	|	0.03	265.167	0.00	0.01	0.010	O	|	|	|	|	0.03
260.083	0.00	0.01	0.013	O	|	|	|	|	0.03	265.250	0.00	0.01	0.010	O	|	|	|	|	0.03
260.167	0.00	0.01	0.013	O	|	|	|	|	0.03	265.333	0.00	0.01	0.010	O	|	|	|	|	0.03
260.250	0.00	0.01	0.013	O	|	|	|	|	0.03	265.417	0.00	0.01	0.010	O	|	|	|	|	0.03
260.333	0.00	0.01	0.013	O	|	|	|	|	0.03	265.500	0.00	0.01	0.010	O	|	|	|	|	0.03
260.417	0.00	0.01	0.013	O	|	|	|	|	0.03	265.583	0.00	0.01	0.010	O	|	|	|	|	0.02
260.500	0.00	0.01	0.013	O	|	|	|	|	0.03	265.667	0.00	0.01	0.010	O	|	|	|	|	0.02
260.583	0.00	0.01	0.013	O	|	|	|	|	0.03	265.750	0.00	0.01	0.010	O	|	|	|	|	0.02
260.667	0.00	0.01	0.013	O	|	|	|	|	0.03	265.833	0.00	0.01	0.010	O	|	|	|	|	0.02
260.750	0.00	0.01	0.013	O	|	|	|	|	0.03	265.917	0.00	0.01	0.010	O	|	|	|	|	0.02
260.833	0.00	0.01	0.013	O	|	|	|	|	0.03	266.000	0.00	0.01	0.010	O	|	|	|	|	0.02
260.917	0.00	0.01	0.013	O	|	|	|	|	0.03	266.083	0.00	0.01	0.010	O	|	|	|	|	0.02
261.000	0.00	0.01	0.013	O	|	|	|	|	0.03	266.167	0.00	0.01	0.010	O	|	|	|	|	0.02

266.250	0.00	0.01	0.010	O	|	|	|	|	0.02	271.417	0.00	0.00	0.007	O	|	|	|	|	0.02
266.333	0.00	0.01	0.010	O	|	|	|	|	0.02	271.500	0.00	0.00	0.007	O	|	|	|	|	0.02
266.417	0.00	0.01	0.009	O	|	|	|	|	0.02	271.583	0.00	0.00	0.007	O	|	|	|	|	0.02
266.500	0.00	0.01	0.009	O	|	|	|	|	0.02	271.667	0.00	0.00	0.007	O	|	|	|	|	0.02
266.583	0.00	0.01	0.009	O	|	|	|	|	0.02	271.750	0.00	0.00	0.007	O	|	|	|	|	0.02
266.667	0.00	0.01	0.009	O	|	|	|	|	0.02	271.833	0.00	0.00	0.007	O	|	|	|	|	0.02
266.750	0.00	0.01	0.009	O	|	|	|	|	0.02	271.917	0.00	0.00	0.007	O	|	|	|	|	0.02
266.833	0.00	0.01	0.009	O	|	|	|	|	0.02	272.000	0.00	0.00	0.007	O	|	|	|	|	0.02
266.917	0.00	0.01	0.009	O	|	|	|	|	0.02	272.083	0.00	0.00	0.007	O	|	|	|	|	0.02
267.000	0.00	0.01	0.009	O	|	|	|	|	0.02	272.167	0.00	0.00	0.007	O	|	|	|	|	0.02
267.083	0.00	0.01	0.009	O	|	|	|	|	0.02	272.250	0.00	0.00	0.007	O	|	|	|	|	0.02
267.167	0.00	0.01	0.009	O	|	|	|	|	0.02	272.333	0.00	0.00	0.007	O	|	|	|	|	0.02
267.250	0.00	0.01	0.009	O	|	|	|	|	0.02	272.417	0.00	0.00	0.007	O	|	|	|	|	0.02
267.333	0.00	0.01	0.009	O	|	|	|	|	0.02	272.500	0.00	0.00	0.007	O	|	|	|	|	0.02
267.417	0.00	0.01	0.009	O	|	|	|	|	0.02	272.583	0.00	0.00	0.007	O	|	|	|	|	0.02
267.500	0.00	0.01	0.009	O	|	|	|	|	0.02	272.667	0.00	0.00	0.007	O	|	|	|	|	0.02
267.583	0.00	0.01	0.009	O	|	|	|	|	0.02	272.750	0.00	0.00	0.007	O	|	|	|	|	0.02
267.667	0.00	0.01	0.009	O	|	|	|	|	0.02	272.833	0.00	0.00	0.007	O	|	|	|	|	0.02
267.750	0.00	0.01	0.009	O	|	|	|	|	0.02	272.917	0.00	0.00	0.007	O	|	|	|	|	0.02
267.833	0.00	0.01	0.009	O	|	|	|	|	0.02	273.000	0.00	0.00	0.007	O	|	|	|	|	0.02
267.917	0.00	0.01	0.009	O	|	|	|	|	0.02	273.083	0.00	0.00	0.007	O	|	|	|	|	0.02
268.000	0.00	0.01	0.009	O	|	|	|	|	0.02	273.167	0.00	0.00	0.007	O	|	|	|	|	0.02
268.083	0.00	0.01	0.009	O	|	|	|	|	0.02	273.250	0.00	0.00	0.007	O	|	|	|	|	0.02
268.167	0.00	0.01	0.009	O	|	|	|	|	0.02	273.333	0.00	0.00	0.007	O	|	|	|	|	0.02
268.250	0.00	0.01	0.009	O	|	|	|	|	0.02	273.417	0.00	0.00	0.006	O	|	|	|	|	0.02
268.333	0.00	0.01	0.009	O	|	|	|	|	0.02	273.500	0.00	0.00	0.006	O	|	|	|	|	0.02
268.417	0.00	0.01	0.009	O	|	|	|	|	0.02	273.583	0.00	0.00	0.006	O	|	|	|	|	0.02
268.500	0.00	0.01	0.008	O	|	|	|	|	0.02	273.667	0.00	0.00	0.006	O	|	|	|	|	0.02
268.583	0.00	0.01	0.008	O	|	|	|	|	0.02	273.750	0.00	0.00	0.006	O	|	|	|	|	0.02
268.667	0.00	0.01	0.008	O	|	|	|	|	0.02	273.833	0.00	0.00	0.006	O	|	|	|	|	0.02
268.750	0.00	0.01	0.008	O	|	|	|	|	0.02	273.917	0.00	0.00	0.006	O	|	|	|	|	0.02
268.833	0.00	0.01	0.008	O	|	|	|	|	0.02	274.000	0.00	0.00	0.006	O	|	|	|	|	0.02
268.917	0.00	0.01	0.008	O	|	|	|	|	0.02	274.083	0.00	0.00	0.006	O	|	|	|	|	0.02
269.000	0.00	0.01	0.008	O	|	|	|	|	0.02	274.167	0.00	0.00	0.006	O	|	|	|	|	0.02
269.083	0.00	0.01	0.008	O	|	|	|	|	0.02	274.250	0.00	0.00	0.006	O	|	|	|	|	0.02
269.167	0.00	0.01	0.008	O	|	|	|	|	0.02	274.333	0.00	0.00	0.006	O	|	|	|	|	0.02
269.250	0.00	0.01	0.008	O	|	|	|	|	0.02	274.417	0.00	0.00	0.006	O	|	|	|	|	0.02
269.333	0.00	0.01	0.008	O	|	|	|	|	0.02	274.500	0.00	0.00	0.006	O	|	|	|	|	0.02
269.417	0.00	0.01	0.008	O	|	|	|	|	0.02	274.583	0.00	0.00	0.006	O	|	|	|	|	0.02
269.500	0.00	0.01	0.008	O	|	|	|	|	0.02	274.667	0.00	0.00	0.006	O	|	|	|	|	0.02
269.583	0.00	0.01	0.008	O	|	|	|	|	0.02	274.750	0.00	0.00	0.006	O	|	|	|	|	0.02
269.667	0.00	0.01	0.008	O	|	|	|	|	0.02	274.833	0.00	0.00	0.006	O	|	|	|	|	0.02
269.750	0.00	0.01	0.008	O	|	|	|	|	0.02	274.917	0.00	0.00	0.006	O	|	|	|	|	0.02
269.833	0.00	0.01	0.008	O	|	|	|	|	0.02	275.000	0.00	0.00	0.006	O	|	|	|	|	0.02
269.917	0.00	0.01	0.008	O	|	|	|	|	0.02	275.083	0.00	0.00	0.006	O	|	|	|	|	0.01
270.000	0.00	0.01	0.008	O	|	|	|	|	0.02	275.167	0.00	0.00	0.006	O	|	|	|	|	0.01
270.083	0.00	0.01	0.008	O	|	|	|	|	0.02	275.250	0.00	0.00	0.006	O	|	|	|	|	0.01
270.167	0.00	0.01	0.008	O	|	|	|	|	0.02	275.333	0.00	0.00	0.006	O	|	|	|	|	0.01
270.250	0.00	0.01	0.008	O	|	|	|	|	0.02	275.417	0.00	0.00	0.006	O	|	|	|	|	0.01
270.333	0.00	0.01	0.008	O	|	|	|	|	0.02	275.500	0.00	0.00	0.006	O	|	|	|	|	0.01
270.417	0.00	0.01	0.008	O	|	|	|	|	0.02	275.583	0.00	0.00	0.006	O	|	|	|	|	0.01
270.500	0.00	0.00	0.008	O	|	|	|	|	0.02	275.667	0.00	0.00	0.006	O	|	|	|	|	0.01
270.583	0.00	0.00	0.008	O	|	|	|	|	0.02	275.750	0.00	0.00	0.006	O	|	|	|	|	0.01
270.667	0.00	0.00	0.008	O	|	|	|	|	0.02	275.833	0.00	0.00	0.006	O	|	|	|	|	0.01
270.750	0.00	0.00	0.008	O	|	|	|	|	0.02	275.917	0.00	0.00	0.006	O	|	|	|	|	0.01
270.833	0.00	0.00	0.007	O	|	|	|	|	0.02	276.000	0.00	0.00	0.006	O	|	|	|	|	0.01
270.917	0.00	0.00	0.007	O	|	|	|	|	0.02	276.083	0.00	0.00	0.006	O	|	|	|	|	0.01
271.000	0.00	0.00	0.007	O	|	|	|	|	0.02	276.167	0.00	0.00	0.006	O	|	|	|	|	0.01
271.083	0.00	0.00	0.007	O	|	|	|	|	0.02	276.250	0.00	0.00	0.006	O	|	|	|	|	0.01
271.167	0.00	0.00	0.007	O	|	|	|	|	0.02	276.333	0.00	0.00	0.006	O	|	|	|	|	0.01
271.250	0.00	0.00	0.007	O	|	|	|	|	0.02	276.417	0.00	0.00	0.006	O	|	|	|	|	0.01
271.333	0.00	0.00	0.007	O	|	|	|	|	0.02	276.500	0.00	0.00	0.005	O	|	|	|	|	0.01

276.583	0.00	0.00	0.005	O	|	|	|	|	0.01	281.750	0.00	0.00	0.004	O	|	|	|	|	0.01
276.667	0.00	0.00	0.005	O	|	|	|	|	0.01	281.833	0.00	0.00	0.004	O	|	|	|	|	0.01
276.750	0.00	0.00	0.005	O	|	|	|	|	0.01	281.917	0.00	0.00	0.004	O	|	|	|	|	0.01
276.833	0.00	0.00	0.005	O	|	|	|	|	0.01	282.000	0.00	0.00	0.004	O	|	|	|	|	0.01
276.917	0.00	0.00	0.005	O	|	|	|	|	0.01	282.083	0.00	0.00	0.004	O	|	|	|	|	0.01
277.000	0.00	0.00	0.005	O	|	|	|	|	0.01	282.167	0.00	0.00	0.004	O	|	|	|	|	0.01
277.083	0.00	0.00	0.005	O	|	|	|	|	0.01	282.250	0.00	0.00	0.004	O	|	|	|	|	0.01
277.167	0.00	0.00	0.005	O	|	|	|	|	0.01	282.333	0.00	0.00	0.004	O	|	|	|	|	0.01
277.250	0.00	0.00	0.005	O	|	|	|	|	0.01	282.417	0.00	0.00	0.004	O	|	|	|	|	0.01
277.333	0.00	0.00	0.005	O	|	|	|	|	0.01	282.500	0.00	0.00	0.004	O	|	|	|	|	0.01
277.417	0.00	0.00	0.005	O	|	|	|	|	0.01	282.583	0.00	0.00	0.004	O	|	|	|	|	0.01
277.500	0.00	0.00	0.005	O	|	|	|	|	0.01	282.667	0.00	0.00	0.004	O	|	|	|	|	0.01
277.583	0.00	0.00	0.005	O	|	|	|	|	0.01	282.750	0.00	0.00	0.004	O	|	|	|	|	0.01
277.667	0.00	0.00	0.005	O	|	|	|	|	0.01	282.833	0.00	0.00	0.004	O	|	|	|	|	0.01
277.750	0.00	0.00	0.005	O	|	|	|	|	0.01	282.917	0.00	0.00	0.004	O	|	|	|	|	0.01
277.833	0.00	0.00	0.005	O	|	|	|	|	0.01	283.000	0.00	0.00	0.004	O	|	|	|	|	0.01
277.917	0.00	0.00	0.005	O	|	|	|	|	0.01	283.083	0.00	0.00	0.004	O	|	|	|	|	0.01
278.000	0.00	0.00	0.005	O	|	|	|	|	0.01	283.167	0.00	0.00	0.004	O	|	|	|	|	0.01
278.083	0.00	0.00	0.005	O	|	|	|	|	0.01	283.250	0.00	0.00	0.004	O	|	|	|	|	0.01
278.167	0.00	0.00	0.005	O	|	|	|	|	0.01	283.333	0.00	0.00	0.004	O	|	|	|	|	0.01
278.250	0.00	0.00	0.005	O	|	|	|	|	0.01	283.417	0.00	0.00	0.004	O	|	|	|	|	0.01
278.333	0.00	0.00	0.005	O	|	|	|	|	0.01	283.500	0.00	0.00	0.004	O	|	|	|	|	0.01
278.417	0.00	0.00	0.005	O	|	|	|	|	0.01	283.583	0.00	0.00	0.004	O	|	|	|	|	0.01
278.500	0.00	0.00	0.005	O	|	|	|	|	0.01	283.667	0.00	0.00	0.004	O	|	|	|	|	0.01
278.583	0.00	0.00	0.005	O	|	|	|	|	0.01	283.750	0.00	0.00	0.004	O	|	|	|	|	0.01
278.667	0.00	0.00	0.005	O	|	|	|	|	0.01	283.833	0.00	0.00	0.004	O	|	|	|	|	0.01
278.750	0.00	0.00	0.005	O	|	|	|	|	0.01	283.917	0.00	0.00	0.004	O	|	|	|	|	0.01
278.833	0.00	0.00	0.005	O	|	|	|	|	0.01	284.000	0.00	0.00	0.004	O	|	|	|	|	0.01
278.917	0.00	0.00	0.005	O	|	|	|	|	0.01	284.083	0.00	0.00	0.004	O	|	|	|	|	0.01
279.000	0.00	0.00	0.005	O	|	|	|	|	0.01	284.167	0.00	0.00	0.004	O	|	|	|	|	0.01
279.083	0.00	0.00	0.005	O	|	|	|	|	0.01	284.250	0.00	0.00	0.004	O	|	|	|	|	0.01
279.167	0.00	0.00	0.005	O	|	|	|	|	0.01	284.333	0.00	0.00	0.004	O	|	|	|	|	0.01
279.250	0.00	0.00	0.005	O	|	|	|	|	0.01	284.417	0.00	0.00	0.004	O	|	|	|	|	0.01
279.333	0.00	0.00	0.005	O	|	|	|	|	0.01	284.500	0.00	0.00	0.004	O	|	|	|	|	0.01
279.417	0.00	0.00	0.005	O	|	|	|	|	0.01	284.583	0.00	0.00	0.004	O	|	|	|	|	0.01
279.500	0.00	0.00	0.005	O	|	|	|	|	0.01	284.667	0.00	0.00	0.004	O	|	|	|	|	0.01
279.583	0.00	0.00	0.005	O	|	|	|	|	0.01	284.750	0.00	0.00	0.004	O	|	|	|	|	0.01
279.667	0.00	0.00	0.005	O	|	|	|	|	0.01	284.833	0.00	0.00	0.004	O	|	|	|	|	0.01
279.750	0.00	0.00	0.005	O	|	|	|	|	0.01	284.917	0.00	0.00	0.003	O	|	|	|	|	0.01
279.833	0.00	0.00	0.005	O	|	|	|	|	0.01	285.000	0.00	0.00	0.003	O	|	|	|	|	0.01
279.917	0.00	0.00	0.005	O	|	|	|	|	0.01	285.083	0.00	0.00	0.003	O	|	|	|	|	0.01
280.000	0.00	0.00	0.005	O	|	|	|	|	0.01	285.167	0.00	0.00	0.003	O	|	|	|	|	0.01
280.083	0.00	0.00	0.005	O	|	|	|	|	0.01	285.250	0.00	0.00	0.003	O	|	|	|	|	0.01
280.167	0.00	0.00	0.005	O	|	|	|	|	0.01	285.333	0.00	0.00	0.003	O	|	|	|	|	0.01
280.250	0.00	0.00	0.004	O	|	|	|	|	0.01	285.417	0.00	0.00	0.003	O	|	|	|	|	0.01
280.333	0.00	0.00	0.004	O	|	|	|	|	0.01	285.500	0.00	0.00	0.003	O	|	|	|	|	0.01
280.417	0.00	0.00	0.004	O	|	|	|	|	0.01	285.583	0.00	0.00	0.003	O	|	|	|	|	0.01
280.500	0.00	0.00	0.004	O	|	|	|	|	0.01	285.667	0.00	0.00	0.003	O	|	|	|	|	0.01
280.583	0.00	0.00	0.004	O	|	|	|	|	0.01	285.750	0.00	0.00	0.003	O	|	|	|	|	0.01
280.667	0.00	0.00	0.004	O	|	|	|	|	0.01	285.833	0.00	0.00	0.003	O	|	|	|	|	0.01
280.750	0.00	0.00	0.004	O	|	|	|	|	0.01	285.917	0.00	0.00	0.003	O	|	|	|	|	0.01
280.833	0.00	0.00	0.004	O	|	|	|	|	0.01	286.000	0.00	0.00	0.003	O	|	|	|	|	0.01
280.917	0.00	0.00	0.004	O	|	|	|	|	0.01	286.083	0.00	0.00	0.003	O	|	|	|	|	0.01
281.000	0.00	0.00	0.004	O	|	|	|	|	0.01	286.167	0.00	0.00	0.003	O	|	|	|	|	0.01
281.083	0.00	0.00	0.004	O	|	|	|	|	0.01	286.250	0.00	0.00	0.003	O	|	|	|	|	0.01
281.167	0.00	0.00	0.004	O	|	|	|	|	0.01	286.333	0.00	0.00	0.003	O	|	|	|	|	0.01
281.250	0.00	0.00	0.004	O	|	|	|	|	0.01	286.417	0.00	0.00	0.003	O	|	|	|	|	0.01
281.333	0.00	0.00	0.004	O	|	|	|	|	0.01	286.500	0.00	0.00	0.003	O	|	|	|	|	0.01
281.417	0.00	0.00	0.004	O	|	|	|	|	0.01	286.583	0.00	0.00	0.003	O	|	|	|	|	0.01
281.500	0.00	0.00	0.004	O	|	|	|	|	0.01	286.667	0.00	0.00	0.003	O	|	|	|	|	0.01
281.583	0.00	0.00	0.004	O	|	|	|	|	0.01	286.750	0.00	0.00	0.003	O	|	|	|	|	0.01
281.667	0.00	0.00	0.004	O	|	|	|	|	0.01	286.833	0.00	0.00	0.003	O	|	|	|	|	0.01

286.917	0.00	0.00	0.003	O	|	|	|	|	0.01	292.083	0.00	0.00	0.002	O	|	|	|	|	0.01
287.000	0.00	0.00	0.003	O	|	|	|	|	0.01	292.167	0.00	0.00	0.002	O	|	|	|	|	0.01
287.083	0.00	0.00	0.003	O	|	|	|	|	0.01	292.250	0.00	0.00	0.002	O	|	|	|	|	0.01
287.167	0.00	0.00	0.003	O	|	|	|	|	0.01	292.333	0.00	0.00	0.002	O	|	|	|	|	0.01
287.250	0.00	0.00	0.003	O	|	|	|	|	0.01	292.417	0.00	0.00	0.002	O	|	|	|	|	0.01
287.333	0.00	0.00	0.003	O	|	|	|	|	0.01	292.500	0.00	0.00	0.002	O	|	|	|	|	0.01
287.417	0.00	0.00	0.003	O	|	|	|	|	0.01	292.583	0.00	0.00	0.002	O	|	|	|	|	0.01
287.500	0.00	0.00	0.003	O	|	|	|	|	0.01	292.667	0.00	0.00	0.002	O	|	|	|	|	0.01
287.583	0.00	0.00	0.003	O	|	|	|	|	0.01	292.750	0.00	0.00	0.002	O	|	|	|	|	0.01
287.667	0.00	0.00	0.003	O	|	|	|	|	0.01	292.833	0.00	0.00	0.002	O	|	|	|	|	0.01
287.750	0.00	0.00	0.003	O	|	|	|	|	0.01	292.917	0.00	0.00	0.002	O	|	|	|	|	0.01
287.833	0.00	0.00	0.003	O	|	|	|	|	0.01	293.000	0.00	0.00	0.002	O	|	|	|	|	0.01
287.917	0.00	0.00	0.003	O	|	|	|	|	0.01	293.083	0.00	0.00	0.002	O	|	|	|	|	0.01
288.000	0.00	0.00	0.003	O	|	|	|	|	0.01	293.167	0.00	0.00	0.002	O	|	|	|	|	0.01
288.083	0.00	0.00	0.003	O	|	|	|	|	0.01	293.250	0.00	0.00	0.002	O	|	|	|	|	0.01
288.167	0.00	0.00	0.003	O	|	|	|	|	0.01	293.333	0.00	0.00	0.002	O	|	|	|	|	0.01
288.250	0.00	0.00	0.003	O	|	|	|	|	0.01	293.417	0.00	0.00	0.002	O	|	|	|	|	0.01
288.333	0.00	0.00	0.003	O	|	|	|	|	0.01	293.500	0.00	0.00	0.002	O	|	|	|	|	0.01
288.417	0.00	0.00	0.003	O	|	|	|	|	0.01	293.583	0.00	0.00	0.002	O	|	|	|	|	0.01
288.500	0.00	0.00	0.003	O	|	|	|	|	0.01	293.667	0.00	0.00	0.002	O	|	|	|	|	0.01
288.583	0.00	0.00	0.003	O	|	|	|	|	0.01	293.750	0.00	0.00	0.002	O	|	|	|	|	0.01
288.667	0.00	0.00	0.003	O	|	|	|	|	0.01	293.833	0.00	0.00	0.002	O	|	|	|	|	0.01
288.750	0.00	0.00	0.003	O	|	|	|	|	0.01	293.917	0.00	0.00	0.002	O	|	|	|	|	0.01
288.833	0.00	0.00	0.003	O	|	|	|	|	0.01	294.000	0.00	0.00	0.002	O	|	|	|	|	0.01
288.917	0.00	0.00	0.003	O	|	|	|	|	0.01	294.083	0.00	0.00	0.002	O	|	|	|	|	0.01
289.000	0.00	0.00	0.003	O	|	|	|	|	0.01	294.167	0.00	0.00	0.002	O	|	|	|	|	0.01
289.083	0.00	0.00	0.003	O	|	|	|	|	0.01	294.250	0.00	0.00	0.002	O	|	|	|	|	0.01
289.167	0.00	0.00	0.003	O	|	|	|	|	0.01	294.333	0.00	0.00	0.002	O	|	|	|	|	0.01
289.250	0.00	0.00	0.003	O	|	|	|	|	0.01	294.417	0.00	0.00	0.002	O	|	|	|	|	0.01
289.333	0.00	0.00	0.003	O	|	|	|	|	0.01	294.500	0.00	0.00	0.002	O	|	|	|	|	0.01
289.417	0.00	0.00	0.003	O	|	|	|	|	0.01	294.583	0.00	0.00	0.002	O	|	|	|	|	0.01
289.500	0.00	0.00	0.003	O	|	|	|	|	0.01	294.667	0.00	0.00	0.002	O	|	|	|	|	0.01
289.583	0.00	0.00	0.003	O	|	|	|	|	0.01	294.750	0.00	0.00	0.002	O	|	|	|	|	0.01
289.667	0.00	0.00	0.003	O	|	|	|	|	0.01	294.833	0.00	0.00	0.002	O	|	|	|	|	0.01
289.750	0.00	0.00	0.003	O	|	|	|	|	0.01	294.917	0.00	0.00	0.002	O	|	|	|	|	0.01
289.833	0.00	0.00	0.003	O	|	|	|	|	0.01	295.000	0.00	0.00	0.002	O	|	|	|	|	0.01
289.917	0.00	0.00	0.003	O	|	|	|	|	0.01	295.083	0.00	0.00	0.002	O	|	|	|	|	0.01
290.000	0.00	0.00	0.003	O	|	|	|	|	0.01	295.167	0.00	0.00	0.002	O	|	|	|	|	0.01
290.083	0.00	0.00	0.003	O	|	|	|	|	0.01	295.250	0.00	0.00	0.002	O	|	|	|	|	0.01
290.167	0.00	0.00	0.003	O	|	|	|	|	0.01	295.333	0.00	0.00	0.002	O	|	|	|	|	0.00
290.250	0.00	0.00	0.003	O	|	|	|	|	0.01	295.417	0.00	0.00	0.002	O	|	|	|	|	0.00
290.333	0.00	0.00	0.003	O	|	|	|	|	0.01	295.500	0.00	0.00	0.002	O	|	|	|	|	0.00
290.417	0.00	0.00	0.003	O	|	|	|	|	0.01	295.583	0.00	0.00	0.002	O	|	|	|	|	0.00
290.500	0.00	0.00	0.003	O	|	|	|	|	0.01	295.667	0.00	0.00	0.002	O	|	|	|	|	0.00
290.583	0.00	0.00	0.003	O	|	|	|	|	0.01	295.750	0.00	0.00	0.002	O	|	|	|	|	0.00
290.667	0.00	0.00	0.003	O	|	|	|	|	0.01	295.833	0.00	0.00	0.002	O	|	|	|	|	0.00
290.750	0.00	0.00	0.003	O	|	|	|	|	0.01	295.917	0.00	0.00	0.002	O	|	|	|	|	0.00
290.833	0.00	0.00	0.003	O	|	|	|	|	0.01	296.000	0.00	0.00	0.002	O	|	|	|	|	0.00
290.917	0.00	0.00	0.003	O	|	|	|	|	0.01	296.083	0.00	0.00	0.002	O	|	|	|	|	0.00
291.000	0.00	0.00	0.003	O	|	|	|	|	0.01	296.167	0.00	0.00	0.002	O	|	|	|	|	0.00
291.083	0.00	0.00	0.002	O	|	|	|	|	0.01	296.250	0.00	0.00	0.002	O	|	|	|	|	0.00
291.167	0.00	0.00	0.002	O	|	|	|	|	0.01	296.333	0.00	0.00	0.002	O	|	|	|	|	0.00
291.250	0.00	0.00	0.002	O	|	|	|	|	0.01	296.417	0.00	0.00	0.002	O	|	|	|	|	0.00
291.333	0.00	0.00	0.002	O	|	|	|	|	0.01	296.500	0.00	0.00	0.002	O	|	|	|	|	0.00
291.417	0.00	0.00	0.002	O	|	|	|	|	0.01	296.583	0.00	0.00	0.002	O	|	|	|	|	0.00
291.500	0.00	0.00	0.002	O	|	|	|	|	0.01	296.667	0.00	0.00	0.002	O	|	|	|	|	0.00
291.583	0.00	0.00	0.002	O	|	|	|	|	0.01	296.750	0.00	0.00	0.002	O	|	|	|	|	0.00
291.667	0.00	0.00	0.002	O	|	|	|	|	0.01	296.833	0.00	0.00	0.002	O	|	|	|	|	0.00
291.750	0.00	0.00	0.002	O	|	|	|	|	0.01	296.917	0.00	0.00	0.002	O	|	|	|	|	0.00
291.833	0.00	0.00	0.002	O	|	|	|	|	0.01	297.000	0.00	0.00	0.002	O	|	|	|	|	0.00
291.917	0.00	0.00	0.002	O	|	|	|	|	0.01	297.083	0.00	0.00	0.002	O	|	|	|	|	0.00
292.000	0.00	0.00	0.002	O	|	|	|	|	0.01	297.167	0.00	0.00	0.002	O	|	|	|	|	0.00

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297.250    0.00    0.00      0.002  O       |       |       |       |     0.00
297.333    0.00    0.00      0.002  O       |       |       |       |     0.00
297.417    0.00    0.00      0.002  O       |       |       |       |     0.00
297.500    0.00    0.00      0.002  O       |       |       |       |     0.00
297.583    0.00    0.00      0.002  O       |       |       |       |     0.00
297.667    0.00    0.00      0.002  O       |       |       |       |     0.00
297.750    0.00    0.00      0.002  O       |       |       |       |     0.00
297.833    0.00    0.00      0.002  O       |       |       |       |     0.00
297.917    0.00    0.00      0.002  O       |       |       |       |     0.00
298.000    0.00    0.00      0.002  O       |       |       |       |     0.00
298.083    0.00    0.00      0.002  O       |       |       |       |     0.00
298.167    0.00    0.00      0.002  O       |       |       |       |     0.00
298.250    0.00    0.00      0.002  O       |       |       |       |     0.00
298.333    0.00    0.00      0.002  O       |       |       |       |     0.00
298.417    0.00    0.00      0.002  O       |       |       |       |     0.00
298.500    0.00    0.00      0.002  O       |       |       |       |     0.00
298.583    0.00    0.00      0.002  O       |       |       |       |     0.00
298.667    0.00    0.00      0.002  O       |       |       |       |     0.00
298.750    0.00    0.00      0.002  O       |       |       |       |     0.00
298.833    0.00    0.00      0.002  O       |       |       |       |     0.00
298.917    0.00    0.00      0.002  O       |       |       |       |     0.00
299.000    0.00    0.00      0.002  O       |       |       |       |     0.00
299.083    0.00    0.00      0.002  O       |       |       |       |     0.00
299.167    0.00    0.00      0.002  O       |       |       |       |     0.00
299.250    0.00    0.00      0.002  O       |       |       |       |     0.00
299.333    0.00    0.00      0.002  O       |       |       |       |     0.00
299.417    0.00    0.00      0.002  O       |       |       |       |     0.00
299.500    0.00    0.00      0.002  O       |       |       |       |     0.00
299.583    0.00    0.00      0.002  O       |       |       |       |     0.00
299.667    0.00    0.00      0.002  O       |       |       |       |     0.00
299.750    0.00    0.00      0.002  O       |       |       |       |     0.00
299.833    0.00    0.00      0.002  O       |       |       |       |     0.00
299.917    0.00    0.00      0.002  O       |       |       |       |     0.00
300.000    0.00    0.00      0.002  O       |       |       |       |     0.00
300.083    0.00    0.00      0.002  O       |       |       |       |     0.00
300.167    0.00    0.00      0.002  O       |       |       |       |     0.00

 Remaining water in basin =    0.00 (Ac.Ft)

 ****************************HYDROGRAPH DATA****************************
                 Number of intervals =  3602
                 Time interval =    5.0 (Min.)
                 Maximum/Peak flow rate =       22.780 (CFS)
                 Total volume =      26.344 (Ac.Ft)
         Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
         Peak (CFS)     15.837     0.000     0.000     0.000     0.000
         Vol (Ac.Ft)      6.969     0.000     0.000     0.000     0.000
 ***********************************************************************

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 Process from Point/Station        9.400 to Point/Station        9.200
 **** STREAM ROUTING SCS CONVEX METHOD ****
 _____________________________________________________________________
 HYDROGRAPH STREAM ROUTING DATA:
 Length of stream =    379.00 (Ft.)
 Elevation difference =    8.00 (Ft.)
 Slope of channel =  0.021108 (Vert/Horiz)
 Channel type - Pipe


 Pipe length  =   379.00(Ft.)   Elevation difference =   8.00(Ft.)
 Manning's N = 0.013   No. of pipes = 1
 Pipe evaluation using mean flow rate of hydrograph
 Required pipe flow  =     7.338(CFS)
 Given pipe size =     36.00(In.)
 Calculated individual pipe flow  =     7.338(CFS)
 Normal flow depth in pipe =    6.70(In.)
 Flow top width inside pipe =   28.03(In.)
 Critical Depth =    0.85(Ft.)
 Pipe flow velocity =      8.08(Ft/s)
 Travel time through pipe =    0.78 min.


 Pipe length  =   379.00(Ft.)   Elevation difference =   8.00(Ft.)
 Manning's N = 0.013   No. of pipes = 1
 Pipe evaluation using maximum flow rate of hydrograph
 Required pipe flow  =    22.780(CFS)
 Given pipe size =     36.00(In.)
 Calculated individual pipe flow  =    22.780(CFS)
 Normal flow depth in pipe =   11.88(In.)
 Flow top width inside pipe =   33.86(In.)
 Critical Depth =    1.54(Ft.)
 Pipe flow velocity =     11.20(Ft/s)
 Travel time through pipe =    0.56 min.


 ********************** SCS CONVEX CHANNEL ROUTING *********************
 Convex method of stream routing  data items:
 Using equation: Outflow =
 O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
           where c* = 1 - (1-c)^e and dt = c(length)/velocity
           c(v/v+1.7) =   0.8683   Travel time =   0.56 (min.)
         dt*(unit time interval) =   5.00(min.),  e=   7.1431
         dt(routing time-step) =   0.49 (min.),   c* =   1.0000

 Output hydrograph delayed by 0  unit time increments


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                   P R I N T  O F  S T O R M
                 R u n o f f      H y d r o g r a p h
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             Hydrograph in   5   Minute intervals (CFS)

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Time(h+m) Out = O(CFS) In = I  0        5.7      11.4      17.1      22.8
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  0+ 5       0.0009      0.00  O        |         |         |         |
  0+10       0.0052      0.01  O        |         |         |         |
  0+15       0.0131      0.01  O        |         |         |         |
  0+20       0.0227      0.02  O        |         |         |         |
  0+25       0.0344      0.04  O        |         |         |         |
  0+30       0.0479      0.05  O        |         |         |         |
  0+35       0.0620      0.06  O        |         |         |         |
  0+40       0.0763      0.08  O        |         |         |         |
  0+45       0.0906      0.09  O        |         |         |         |
  0+50       0.1053      0.11  O        |         |         |         |
  0+55       0.1217      0.12  O        |         |         |         |
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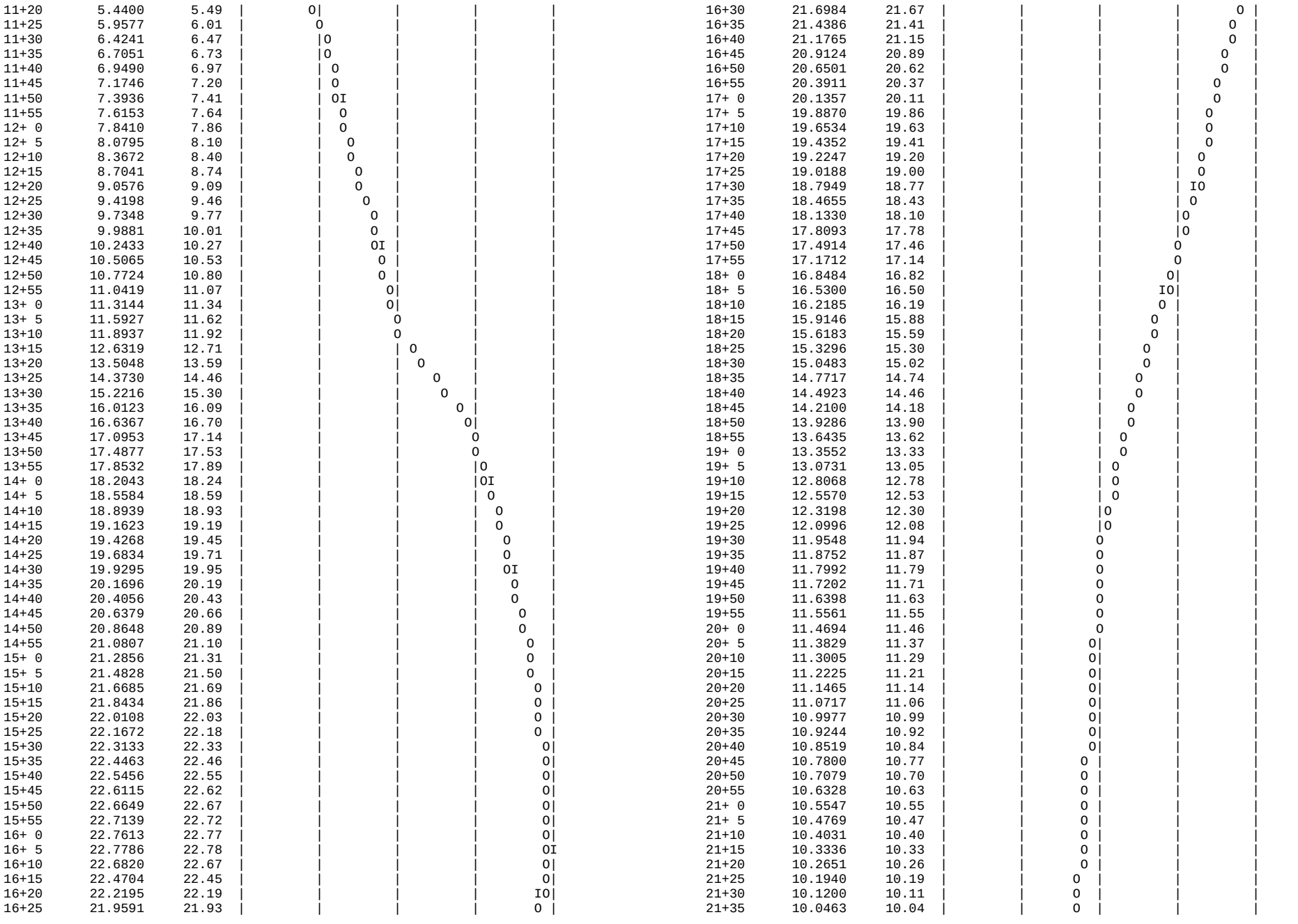
1+ 0	0.1398	0.14	O	|	|	|	|		6+10	0.5810	0.58	|O	|	|	|	|	
1+ 5	0.1580	0.16	O	|	|	|	|		6+15	0.5871	0.59	|O	|	|	|	|	
1+10	0.1746	0.18	O	|	|	|	|		6+20	0.5933	0.59	|O	|	|	|	|	
1+15	0.1894	0.19	O	|	|	|	|		6+25	0.5995	0.60	|O	|	|	|	|	
1+20	0.2035	0.20	O	|	|	|	|		6+30	0.6044	0.60	|O	|	|	|	|	
1+25	0.2173	0.22	O	|	|	|	|		6+35	0.6092	0.61	|O	|	|	|	|	
1+30	0.2311	0.23	O	|	|	|	|		6+40	0.6142	0.61	|O	|	|	|	|	
1+35	0.2447	0.25	O	|	|	|	|		6+45	0.6195	0.62	|O	|	|	|	|	
1+40	0.2583	0.26	O	|	|	|	|		6+50	0.6249	0.63	|O	|	|	|	|	
1+45	0.2642	0.26	O	|	|	|	|		6+55	0.6304	0.63	|O	|	|	|	|	
1+50	0.2692	0.27	O	|	|	|	|		7+ 0	0.6358	0.64	|O	|	|	|	|	
1+55	0.2748	0.28	O	|	|	|	|		7+ 5	0.6413	0.64	|O	|	|	|	|	
2+ 0	0.2810	0.28	O	|	|	|	|		7+10	0.6467	0.65	|O	|	|	|	|	
2+ 5	0.2874	0.29	O	|	|	|	|		7+15	0.6522	0.65	|O	|	|	|	|	
2+10	0.2939	0.29	O	|	|	|	|		7+20	0.6577	0.66	|O	|	|	|	|	
2+15	0.3004	0.30	O	|	|	|	|		7+25	0.6626	0.66	|O	|	|	|	|	
2+20	0.3069	0.31	O	|	|	|	|		7+30	0.6672	0.67	|O	|	|	|	|	
2+25	0.3134	0.31	O	|	|	|	|		7+35	0.6718	0.67	|O	|	|	|	|	
2+30	0.3199	0.32	O	|	|	|	|		7+40	0.6767	0.68	|O	|	|	|	|	
2+35	0.3265	0.33	O	|	|	|	|		7+45	0.6819	0.68	|O	|	|	|	|	
2+40	0.3338	0.33	O	|	|	|	|		7+50	0.6871	0.69	|O	|	|	|	|	
2+45	0.3416	0.34	O	|	|	|	|		7+55	0.6926	0.69	|O	|	|	|	|	
2+50	0.3497	0.35	O	|	|	|	|		8+ 0	0.6983	0.70	|O	|	|	|	|	
2+55	0.3579	0.36	O	|	|	|	|		8+ 5	0.7041	0.70	|O	|	|	|	|	
3+ 0	0.3660	0.37	O	|	|	|	|		8+10	0.7103	0.71	|O	|	|	|	|	
3+ 5	0.3723	0.37	O	|	|	|	|		8+15	0.7164	0.72	|O	|	|	|	|	
3+10	0.3772	0.38	O	|	|	|	|		8+20	0.7226	0.72	|O	|	|	|	|	
3+15	0.3819	0.38	O	|	|	|	|		8+25	0.7289	0.73	|O	|	|	|	|	
3+20	0.3866	0.39	O	|	|	|	|		8+30	0.7351	0.74	|O	|	|	|	|	
3+25	0.3913	0.39	O	|	|	|	|		8+35	0.7414	0.74	|O	|	|	|	|	
3+30	0.3961	0.40	O	|	|	|	|		8+40	0.7479	0.75	|O	|	|	|	|	
3+35	0.4008	0.40	O	|	|	|	|		8+45	0.7546	0.76	|O	|	|	|	|	
3+40	0.4055	0.41	O	|	|	|	|		8+50	0.7609	0.76	|O	|	|	|	|	
3+45	0.4102	0.41	O	|	|	|	|		8+55	0.7661	0.77	|O	|	|	|	|	
3+50	0.4150	0.42	O	|	|	|	|		9+ 0	0.7713	0.77	|O	|	|	|	|	
3+55	0.4201	0.42	O	|	|	|	|		9+ 5	0.7766	0.78	|O	|	|	|	|	
4+ 0	0.4257	0.43	O	|	|	|	|		9+10	0.7822	0.78	|O	|	|	|	|	
4+ 5	0.4313	0.43	O	|	|	|	|		9+15	0.7881	0.79	|O	|	|	|	|	
4+10	0.4370	0.44	O	|	|	|	|		9+20	0.7941	0.79	|O	|	|	|	|	
4+15	0.4427	0.44	O	|	|	|	|		9+25	0.8004	0.80	|O	|	|	|	|	
4+20	0.4484	0.45	O	|	|	|	|		9+30	0.8075	0.81	|O	|	|	|	|	
4+25	0.4546	0.46	O	|	|	|	|		9+35	0.8148	0.82	|O	|	|	|	|	
4+30	0.4611	0.46	O	|	|	|	|		9+40	0.8223	0.82	|O	|	|	|	|	
4+35	0.4677	0.47	O	|	|	|	|		9+45	0.8299	0.83	|O	|	|	|	|	
4+40	0.4744	0.48	O	|	|	|	|		9+50	0.8377	0.84	|O	|	|	|	|	
4+45	0.4810	0.48	O	|	|	|	|		9+55	0.8456	0.85	|O	|	|	|	|	
4+50	0.4878	0.49	O	|	|	|	|		10+ 0	0.8526	0.85	|O	|	|	|	|	
4+55	0.4949	0.50	O	|	|	|	|		10+ 5	0.8584	0.86	|O	|	|	|	|	
5+ 0	0.5024	0.50	O	|	|	|	|		10+10	0.8634	0.86	|O	|	|	|	|	
5+ 5	0.5098	0.51	O	|	|	|	|		10+15	0.8676	0.87	|O	|	|	|	|	
5+10	0.5166	0.52	O	|	|	|	|		10+20	0.8716	0.87	|O	|	|	|	|	
5+15	0.5226	0.52	O	|	|	|	|		10+25	0.8754	0.88	|O	|	|	|	|	
5+20	0.5284	0.53	O	|	|	|	|		10+30	0.8793	0.88	|O	|	|	|	|	
5+25	0.5332	0.53	O	|	|	|	|		10+35	0.8832	0.88	|O	|	|	|	|	
5+30	0.5379	0.54	O	|	|	|	|		10+40	0.8877	0.89	|O	|	|	|	|	
5+35	0.5427	0.54	O	|	|	|	|		10+45	1.2648	1.31	| O	|	|	|	|	
5+40	0.5478	0.55	O	|	|	|	|		10+50	1.8934	1.96	| O	|	|	|	|	
5+45	0.5532	0.55	O	|	|	|	|		10+55	2.5359	2.60	| O	|	|	|	|	
5+50	0.5586	0.56	O	|	|	|	|		11+ 0	3.1643	3.23	| O	|	|	|	|	
5+55	0.5641	0.56	O	|	|	|	|		11+ 5	3.7742	3.83	| O	|	|	|	|	
6+ 0	0.5696	0.57	|O	|	|	|	|		11+10	4.3550	4.41	| O	|	|	|	|	
6+ 5	0.5752	0.58	|O	|	|	|	|		11+15	4.9071	4.96	| O	|	|	|	|	



21+40	9.9765	9.97	|	|	O	|	|	|	26+50	3.5970	3.59	|	O	|	|	|	|
21+45	9.9110	9.90	|	|	O	|	|	|	26+55	3.5029	3.49	|	O	|	|	|	|
21+50	9.8466	9.84	|	|	O	|	|	|	27+ 0	3.4112	3.40	|	O	|	|	|	|
21+55	9.7794	9.77	|	|	O	|	|	|	27+ 5	3.3219	3.31	|	O	|	|	|	|
22+ 0	9.7094	9.70	|	|	O	|	|	|	27+10	3.2350	3.23	|	O	|	|	|	|
22+ 5	9.6318	9.62	|	|	O	|	|	|	27+15	3.1503	3.14	|	O	|	|	|	|
22+10	9.5359	9.53	|	|	O	|	|	|	27+20	3.0678	3.06	|	O	|	|	|	|
22+15	9.4441	9.44	|	|	O	|	|	|	27+25	2.9875	2.98	|	O	|	|	|	|
22+20	9.3542	9.35	|	|	O	|	|	|	27+30	2.9093	2.90	|	O	|	|	|	|
22+25	9.2607	9.25	|	|	O	|	|	|	27+35	2.8332	2.83	|	O	|	|	|	|
22+30	9.1632	9.15	|	|	O	|	|	|	27+40	2.7590	2.75	|	O	|	|	|	|
22+35	9.0651	9.06	|	|	O	|	|	|	27+45	2.6868	2.68	|	O	|	|	|	|
22+40	8.9677	8.96	|	|	O	|	|	|	27+50	2.6165	2.61	|	O	|	|	|	|
22+45	8.8716	8.86	|	|	O	|	|	|	27+55	2.5480	2.54	|	O	|	|	|	|
22+50	8.7767	8.77	|	|	O	|	|	|	28+ 0	2.4813	2.47	|	O	|	|	|	|
22+55	8.6832	8.67	|	|	O	|	|	|	28+ 5	2.4164	2.41	|	O	|	|	|	|
23+ 0	8.5910	8.58	|	|	O	|	|	|	28+10	2.3531	2.35	|	O	|	|	|	|
23+ 5	8.5000	8.49	|	|	O	|	|	|	28+15	2.2915	2.29	|	O	|	|	|	|
23+10	8.4104	8.40	|	|	O	|	|	|	28+20	2.2315	2.23	|	O	|	|	|	|
23+15	8.3221	8.31	|	|	O	|	|	|	28+25	2.1731	2.17	|	O	|	|	|	|
23+20	8.2350	8.23	|	|	O	|	|	|	28+30	2.1162	2.11	|	O	|	|	|	|
23+25	8.1491	8.14	|	|	O	|	|	|	28+35	2.0609	2.06	|	O	|	|	|	|
23+30	8.0644	8.06	|	|	O	|	|	|	28+40	2.0069	2.00	|	O	|	|	|	|
23+35	7.9810	7.97	|	|	IO	|	|	|	28+45	1.9544	1.95	|	O	|	|	|	|
23+40	7.8987	7.89	|	|	O	|	|	|	28+50	1.9032	1.90	|	O	|	|	|	|
23+45	7.8176	7.81	|	|	O	|	|	|	28+55	1.8534	1.85	|	O	|	|	|	|
23+50	7.7377	7.73	|	|	O	|	|	|	29+ 0	1.8049	1.80	|	O	|	|	|	|
23+55	7.6588	7.65	|	|	O	|	|	|	29+ 5	1.7577	1.75	|	O	|	|	|	|
24+ 0	7.5811	7.57	|	|	O	|	|	|	29+10	1.7116	1.71	|	IO	|	|	|	|
24+ 5	7.5017	7.49	|	|	O	|	|	|	29+15	1.6668	1.66	|	O	|	|	|	|
24+10	7.4126	7.40	|	|	O	|	|	|	29+20	1.6232	1.62	|	O	|	|	|	|
24+15	7.3135	7.30	|	O	|	|	|	|	29+25	1.5807	1.58	|	O	|	|	|	|
24+20	7.2117	7.20	|	O	|	|	|	|	29+30	1.5394	1.54	|	O	|	|	|	|
24+25	7.1101	7.10	|	O	|	|	|	|	29+35	1.4991	1.50	|	O	|	|	|	|
24+30	7.0096	7.00	|	O	|	|	|	|	29+40	1.4598	1.46	|	O	|	|	|	|
24+35	6.9103	6.90	|	O	|	|	|	|	29+45	1.4216	1.42	|	O	|	|	|	|
24+40	6.8124	6.80	|	O	|	|	|	|	29+50	1.3844	1.38	|	O	|	|	|	|
24+45	6.7159	6.71	|	O	|	|	|	|	29+55	1.3482	1.34	|	O	|	|	|	|
24+50	6.6207	6.61	|	O	|	|	|	|	30+ 0	1.3129	1.31	|	O	|	|	|	|
24+55	6.5269	6.52	|	O	|	|	|	|	30+ 5	1.2785	1.28	|	O	|	|	|	|
25+ 0	6.4345	6.43	|	O	|	|	|	|	30+10	1.2450	1.24	|	O	|	|	|	|
25+ 5	6.2779	6.26	|	IO	|	|	|	|	30+15	1.2125	1.21	|	O	|	|	|	|
25+10	6.1140	6.10	|	O	|	|	|	|	30+20	1.1807	1.18	|	O	|	|	|	|
25+15	5.9540	5.94	|	O	|	|	|	|	30+25	1.1498	1.15	|	O	|	|	|	|
25+20	5.7981	5.78	|	O	|	|	|	|	30+30	1.1197	1.12	O	|	|	|	|	|
25+25	5.6464	5.63	|	O	|	|	|	|	30+35	1.0904	1.09	O	|	|	|	|	|
25+30	5.4986	5.48	|	O	|	|	|	|	30+40	1.0619	1.06	O	|	|	|	|	|
25+35	5.3546	5.34	|	O	|	|	|	|	30+45	1.0341	1.03	O	|	|	|	|	|
25+40	5.2145	5.20	|	O	|	|	|	|	30+50	1.0070	1.00	O	|	|	|	|	|
25+45	5.0780	5.06	|	O	|	|	|	|	30+55	0.9807	0.98	O	|	|	|	|	|
25+50	4.9451	4.93	|	O	|	|	|	|	31+ 0	0.9550	0.95	O	|	|	|	|	|
25+55	4.8156	4.80	|	O	|	|	|	|	31+ 5	0.9300	0.93	O	|	|	|	|	|
26+ 0	4.6896	4.68	|	O	|	|	|	|	31+10	0.9056	0.90	O	|	|	|	|	|
26+ 5	4.5668	4.55	|	IO	|	|	|	|	31+15	0.8912	0.89	O	|	|	|	|	|
26+10	4.4473	4.44	|	O	|	|	|	|	31+20	0.8897	0.89	O	|	|	|	|	|
26+15	4.3309	4.32	|	O	|	|	|	|	31+25	0.8896	0.89	O	|	|	|	|	|
26+20	4.2175	4.21	|	O	|	|	|	|	31+30	0.8894	0.89	O	|	|	|	|	|
26+25	4.1071	4.10	|	O	|	|	|	|	31+35	0.8892	0.89	O	|	|	|	|	|
26+30	3.9996	3.99	|	O	|	|	|	|	31+40	0.8890	0.89	O	|	|	|	|	|
26+35	3.8950	3.88	|	O	|	|	|	|	31+45	0.8888	0.89	O	|	|	|	|	|
26+40	3.7930	3.78	|	O	|	|	|	|	31+50	0.8886	0.89	O	|	|	|	|	|
26+45	3.6937	3.68	|	O	|	|	|	|	31+55	0.8884	0.89	O	|	|	|	|	|

32+ 0	0.8883	0.89	|O	|	|	|	|	37+10	0.8768	0.88	|O	|	|	|	|
32+ 5	0.8881	0.89	|O	|	|	|	|	37+15	0.8766	0.88	|O	|	|	|	|
32+10	0.8879	0.89	|O	|	|	|	|	37+20	0.8765	0.88	|O	|	|	|	|
32+15	0.8877	0.89	|O	|	|	|	|	37+25	0.8763	0.88	|O	|	|	|	|
32+20	0.8875	0.89	|O	|	|	|	|	37+30	0.8761	0.88	|O	|	|	|	|
32+25	0.8873	0.89	|O	|	|	|	|	37+35	0.8759	0.88	|O	|	|	|	|
32+30	0.8871	0.89	|O	|	|	|	|	37+40	0.8757	0.88	|O	|	|	|	|
32+35	0.8870	0.89	|O	|	|	|	|	37+45	0.8755	0.88	|O	|	|	|	|
32+40	0.8868	0.89	|O	|	|	|	|	37+50	0.8754	0.88	|O	|	|	|	|
32+45	0.8866	0.89	|O	|	|	|	|	37+55	0.8752	0.88	|O	|	|	|	|
32+50	0.8864	0.89	|O	|	|	|	|	38+ 0	0.8750	0.87	|O	|	|	|	|
32+55	0.8862	0.89	|O	|	|	|	|	38+ 5	0.8748	0.87	|O	|	|	|	|
33+ 0	0.8860	0.89	|O	|	|	|	|	38+10	0.8746	0.87	|O	|	|	|	|
33+ 5	0.8859	0.89	|O	|	|	|	|	38+15	0.8744	0.87	|O	|	|	|	|
33+10	0.8857	0.89	|O	|	|	|	|	38+20	0.8743	0.87	|O	|	|	|	|
33+15	0.8855	0.89	|O	|	|	|	|	38+25	0.8741	0.87	|O	|	|	|	|
33+20	0.8853	0.89	|O	|	|	|	|	38+30	0.8739	0.87	|O	|	|	|	|
33+25	0.8851	0.89	|O	|	|	|	|	38+35	0.8737	0.87	|O	|	|	|	|
33+30	0.8849	0.88	|O	|	|	|	|	38+40	0.8735	0.87	|O	|	|	|	|
33+35	0.8847	0.88	|O	|	|	|	|	38+45	0.8734	0.87	|O	|	|	|	|
33+40	0.8846	0.88	|O	|	|	|	|	38+50	0.8732	0.87	|O	|	|	|	|
33+45	0.8844	0.88	|O	|	|	|	|	38+55	0.8730	0.87	|O	|	|	|	|
33+50	0.8842	0.88	|O	|	|	|	|	39+ 0	0.8728	0.87	|O	|	|	|	|
33+55	0.8840	0.88	|O	|	|	|	|	39+ 5	0.8726	0.87	|O	|	|	|	|
34+ 0	0.8838	0.88	|O	|	|	|	|	39+10	0.8724	0.87	|O	|	|	|	|
34+ 5	0.8836	0.88	|O	|	|	|	|	39+15	0.8723	0.87	|O	|	|	|	|
34+10	0.8834	0.88	|O	|	|	|	|	39+20	0.8721	0.87	|O	|	|	|	|
34+15	0.8833	0.88	|O	|	|	|	|	39+25	0.8719	0.87	|O	|	|	|	|
34+20	0.8831	0.88	|O	|	|	|	|	39+30	0.8717	0.87	|O	|	|	|	|
34+25	0.8829	0.88	|O	|	|	|	|	39+35	0.8715	0.87	|O	|	|	|	|
34+30	0.8827	0.88	|O	|	|	|	|	39+40	0.8713	0.87	|O	|	|	|	|
34+35	0.8825	0.88	|O	|	|	|	|	39+45	0.8712	0.87	|O	|	|	|	|
34+40	0.8823	0.88	|O	|	|	|	|	39+50	0.8710	0.87	|O	|	|	|	|
34+45	0.8822	0.88	|O	|	|	|	|	39+55	0.8708	0.87	|O	|	|	|	|
34+50	0.8820	0.88	|O	|	|	|	|	40+ 0	0.8706	0.87	|O	|	|	|	|
34+55	0.8818	0.88	|O	|	|	|	|	40+ 5	0.8704	0.87	|O	|	|	|	|
35+ 0	0.8816	0.88	|O	|	|	|	|	40+10	0.8703	0.87	|O	|	|	|	|
35+ 5	0.8814	0.88	|O	|	|	|	|	40+15	0.8701	0.87	|O	|	|	|	|
35+10	0.8812	0.88	|O	|	|	|	|	40+20	0.8699	0.87	|O	|	|	|	|
35+15	0.8811	0.88	|O	|	|	|	|	40+25	0.8697	0.87	|O	|	|	|	|
35+20	0.8809	0.88	|O	|	|	|	|	40+30	0.8695	0.87	|O	|	|	|	|
35+25	0.8807	0.88	|O	|	|	|	|	40+35	0.8693	0.87	|O	|	|	|	|
35+30	0.8805	0.88	|O	|	|	|	|	40+40	0.8692	0.87	|O	|	|	|	|
35+35	0.8803	0.88	|O	|	|	|	|	40+45	0.8690	0.87	|O	|	|	|	|
35+40	0.8801	0.88	|O	|	|	|	|	40+50	0.8688	0.87	|O	|	|	|	|
35+45	0.8799	0.88	|O	|	|	|	|	40+55	0.8686	0.87	|O	|	|	|	|
35+50	0.8798	0.88	|O	|	|	|	|	41+ 0	0.8684	0.87	|O	|	|	|	|
35+55	0.8796	0.88	|O	|	|	|	|	41+ 5	0.8683	0.87	|O	|	|	|	|
36+ 0	0.8794	0.88	|O	|	|	|	|	41+10	0.8681	0.87	|O	|	|	|	|
36+ 5	0.8792	0.88	|O	|	|	|	|	41+15	0.8679	0.87	|O	|	|	|	|
36+10	0.8790	0.88	|O	|	|	|	|	41+20	0.8677	0.87	|O	|	|	|	|
36+15	0.8788	0.88	|O	|	|	|	|	41+25	0.8675	0.87	|O	|	|	|	|
36+20	0.8787	0.88	|O	|	|	|	|	41+30	0.8673	0.87	|O	|	|	|	|
36+25	0.8785	0.88	|O	|	|	|	|	41+35	0.8672	0.87	|O	|	|	|	|
36+30	0.8783	0.88	|O	|	|	|	|	41+40	0.8670	0.87	|O	|	|	|	|
36+35	0.8781	0.88	|O	|	|	|	|	41+45	0.8668	0.87	|O	|	|	|	|
36+40	0.8779	0.88	|O	|	|	|	|	41+50	0.8666	0.87	|O	|	|	|	|
36+45	0.8777	0.88	|O	|	|	|	|	41+55	0.8664	0.87	|O	|	|	|	|
36+50	0.8776	0.88	|O	|	|	|	|	42+ 0	0.8663	0.87	|O	|	|	|	|
36+55	0.8774	0.88	|O	|	|	|	|	42+ 5	0.8661	0.87	|O	|	|	|	|
37+ 0	0.8772	0.88	|O	|	|	|	|	42+10	0.8659	0.87	|O	|	|	|	|
37+ 5	0.8770	0.88	|O	|	|	|	|	42+15	0.8657	0.87	|O	|	|	|	|

42+20	0.8655	0.87	O					47+30	0.8544	0.85	O				
42+25	0.8654	0.87	O					47+35	0.8542	0.85	O				
42+30	0.8652	0.87	O					47+40	0.8540	0.85	O				
42+35	0.8650	0.86	O					47+45	0.8539	0.85	O				
42+40	0.8648	0.86	O					47+50	0.8537	0.85	O				
42+45	0.8646	0.86	O					47+55	0.8535	0.85	O				
42+50	0.8645	0.86	O					48+ 0	0.8533	0.85	O				
42+55	0.8643	0.86	O					48+ 5	0.8531	0.85	O				
43+ 0	0.8641	0.86	O					48+10	0.8530	0.85	O				
43+ 5	0.8639	0.86	O					48+15	0.8528	0.85	O				
43+10	0.8637	0.86	O					48+20	0.8526	0.85	O				
43+15	0.8635	0.86	O					48+25	0.8524	0.85	O				
43+20	0.8634	0.86	O					48+30	0.8523	0.85	O				
43+25	0.8632	0.86	O					48+35	0.8521	0.85	O				
43+30	0.8630	0.86	O					48+40	0.8519	0.85	O				
43+35	0.8628	0.86	O					48+45	0.8517	0.85	O				
43+40	0.8626	0.86	O					48+50	0.8515	0.85	O				
43+45	0.8625	0.86	O					48+55	0.8514	0.85	O				
43+50	0.8623	0.86	O					49+ 0	0.8512	0.85	O				
43+55	0.8621	0.86	O					49+ 5	0.8510	0.85	O				
44+ 0	0.8619	0.86	O					49+10	0.8508	0.85	O				
44+ 5	0.8617	0.86	O					49+15	0.8507	0.85	O				
44+10	0.8616	0.86	O					49+20	0.8505	0.85	O				
44+15	0.8614	0.86	O					49+25	0.8503	0.85	O				
44+20	0.8612	0.86	O					49+30	0.8501	0.85	O				
44+25	0.8610	0.86	O					49+35	0.8499	0.85	O				
44+30	0.8608	0.86	O					49+40	0.8497	0.85	O				
44+35	0.8607	0.86	O					49+45	0.8494	0.85	O				
44+40	0.8605	0.86	O					49+50	0.8492	0.85	O				
44+45	0.8603	0.86	O					49+55	0.8489	0.85	O				
44+50	0.8601	0.86	O					50+ 0	0.8487	0.85	O				
44+55	0.8599	0.86	O					50+ 5	0.8485	0.85	O				
45+ 0	0.8598	0.86	O					50+10	0.8482	0.85	O				
45+ 5	0.8596	0.86	O					50+15	0.8480	0.85	O				
45+10	0.8594	0.86	O					50+20	0.8477	0.85	O				
45+15	0.8592	0.86	O					50+25	0.8475	0.85	O				
45+20	0.8590	0.86	O					50+30	0.8473	0.85	O				
45+25	0.8589	0.86	O					50+35	0.8470	0.85	O				
45+30	0.8587	0.86	O					50+40	0.8468	0.85	O				
45+35	0.8585	0.86	O					50+45	0.8465	0.85	O				
45+40	0.8583	0.86	O					50+50	0.8463	0.85	O				
45+45	0.8582	0.86	O					50+55	0.8460	0.85	O				
45+50	0.8580	0.86	O					51+ 0	0.8458	0.85	O				
45+55	0.8578	0.86	O					51+ 5	0.8456	0.85	O				
46+ 0	0.8576	0.86	O					51+10	0.8453	0.85	O				
46+ 5	0.8574	0.86	O					51+15	0.8451	0.85	O				
46+10	0.8573	0.86	O					51+20	0.8448	0.84	O				
46+15	0.8571	0.86	O					51+25	0.8446	0.84	O				
46+20	0.8569	0.86	O					51+30	0.8444	0.84	O				
46+25	0.8567	0.86	O					51+35	0.8441	0.84	O				
46+30	0.8565	0.86	O					51+40	0.8439	0.84	O				
46+35	0.8564	0.86	O					51+45	0.8436	0.84	O				
46+40	0.8562	0.86	O					51+50	0.8434	0.84	O				
46+45	0.8560	0.86	O					51+55	0.8431	0.84	O				
46+50	0.8558	0.86	O					52+ 0	0.8429	0.84	O				
46+55	0.8556	0.86	O					52+ 5	0.8427	0.84	O				
47+ 0	0.8555	0.86	O					52+10	0.8424	0.84	O				
47+ 5	0.8553	0.86	O					52+15	0.8422	0.84	O				
47+10	0.8551	0.86	O					52+20	0.8419	0.84	O				
47+15	0.8549	0.85	O					52+25	0.8417	0.84	O				
47+20	0.8547	0.85	O					52+30	0.8415	0.84	O				
47+25	0.8546	0.85	O					52+35	0.8412	0.84	O				

52+40	0.8410	0.84	|O	|	|	|	|	57+50	0.8262	0.83	|O	|	|	|	|
52+45	0.8407	0.84	|O	|	|	|	|	57+55	0.8260	0.83	|O	|	|	|	|
52+50	0.8405	0.84	|O	|	|	|	|	58+ 0	0.8258	0.83	|O	|	|	|	|
52+55	0.8403	0.84	|O	|	|	|	|	58+ 5	0.8255	0.83	|O	|	|	|	|
53+ 0	0.8400	0.84	|O	|	|	|	|	58+10	0.8253	0.83	|O	|	|	|	|
53+ 5	0.8398	0.84	|O	|	|	|	|	58+15	0.8251	0.83	|O	|	|	|	|
53+10	0.8395	0.84	|O	|	|	|	|	58+20	0.8248	0.82	|O	|	|	|	|
53+15	0.8393	0.84	|O	|	|	|	|	58+25	0.8246	0.82	|O	|	|	|	|
53+20	0.8391	0.84	|O	|	|	|	|	58+30	0.8243	0.82	|O	|	|	|	|
53+25	0.8388	0.84	|O	|	|	|	|	58+35	0.8241	0.82	|O	|	|	|	|
53+30	0.8386	0.84	|O	|	|	|	|	58+40	0.8239	0.82	|O	|	|	|	|
53+35	0.8383	0.84	|O	|	|	|	|	58+45	0.8236	0.82	|O	|	|	|	|
53+40	0.8381	0.84	|O	|	|	|	|	58+50	0.8234	0.82	|O	|	|	|	|
53+45	0.8379	0.84	|O	|	|	|	|	58+55	0.8232	0.82	|O	|	|	|	|
53+50	0.8376	0.84	|O	|	|	|	|	59+ 0	0.8229	0.82	|O	|	|	|	|
53+55	0.8374	0.84	|O	|	|	|	|	59+ 5	0.8227	0.82	|O	|	|	|	|
54+ 0	0.8372	0.84	|O	|	|	|	|	59+10	0.8225	0.82	|O	|	|	|	|
54+ 5	0.8369	0.84	|O	|	|	|	|	59+15	0.8222	0.82	|O	|	|	|	|
54+10	0.8367	0.84	|O	|	|	|	|	59+20	0.8220	0.82	|O	|	|	|	|
54+15	0.8364	0.84	|O	|	|	|	|	59+25	0.8218	0.82	|O	|	|	|	|
54+20	0.8362	0.84	|O	|	|	|	|	59+30	0.8215	0.82	|O	|	|	|	|
54+25	0.8360	0.84	|O	|	|	|	|	59+35	0.8213	0.82	|O	|	|	|	|
54+30	0.8357	0.84	|O	|	|	|	|	59+40	0.8211	0.82	|O	|	|	|	|
54+35	0.8355	0.84	|O	|	|	|	|	59+45	0.8208	0.82	|O	|	|	|	|
54+40	0.8352	0.84	|O	|	|	|	|	59+50	0.8206	0.82	|O	|	|	|	|
54+45	0.8350	0.83	|O	|	|	|	|	59+55	0.8204	0.82	|O	|	|	|	|
54+50	0.8348	0.83	|O	|	|	|	|	60+ 0	0.8201	0.82	|O	|	|	|	|
54+55	0.8345	0.83	|O	|	|	|	|	60+ 5	0.8199	0.82	|O	|	|	|	|
55+ 0	0.8343	0.83	|O	|	|	|	|	60+10	0.8196	0.82	|O	|	|	|	|
55+ 5	0.8341	0.83	|O	|	|	|	|	60+15	0.8194	0.82	|O	|	|	|	|
55+10	0.8338	0.83	|O	|	|	|	|	60+20	0.8192	0.82	|O	|	|	|	|
55+15	0.8336	0.83	|O	|	|	|	|	60+25	0.8189	0.82	|O	|	|	|	|
55+20	0.8333	0.83	|O	|	|	|	|	60+30	0.8187	0.82	|O	|	|	|	|
55+25	0.8331	0.83	|O	|	|	|	|	60+35	0.8185	0.82	|O	|	|	|	|
55+30	0.8329	0.83	|O	|	|	|	|	60+40	0.8182	0.82	|O	|	|	|	|
55+35	0.8326	0.83	|O	|	|	|	|	60+45	0.8180	0.82	|O	|	|	|	|
55+40	0.8324	0.83	|O	|	|	|	|	60+50	0.8178	0.82	|O	|	|	|	|
55+45	0.8321	0.83	|O	|	|	|	|	60+55	0.8175	0.82	|O	|	|	|	|
55+50	0.8319	0.83	|O	|	|	|	|	61+ 0	0.8173	0.82	|O	|	|	|	|
55+55	0.8317	0.83	|O	|	|	|	|	61+ 5	0.8171	0.82	|O	|	|	|	|
56+ 0	0.8314	0.83	|O	|	|	|	|	61+10	0.8168	0.82	|O	|	|	|	|
56+ 5	0.8312	0.83	|O	|	|	|	|	61+15	0.8166	0.82	|O	|	|	|	|
56+10	0.8310	0.83	|O	|	|	|	|	61+20	0.8164	0.82	|O	|	|	|	|
56+15	0.8307	0.83	|O	|	|	|	|	61+25	0.8161	0.82	|O	|	|	|	|
56+20	0.8305	0.83	|O	|	|	|	|	61+30	0.8159	0.82	|O	|	|	|	|
56+25	0.8302	0.83	|O	|	|	|	|	61+35	0.8157	0.82	|O	|	|	|	|
56+30	0.8300	0.83	|O	|	|	|	|	61+40	0.8154	0.82	|O	|	|	|	|
56+35	0.8298	0.83	|O	|	|	|	|	61+45	0.8152	0.82	|O	|	|	|	|
56+40	0.8295	0.83	|O	|	|	|	|	61+50	0.8150	0.81	|O	|	|	|	|
56+45	0.8293	0.83	|O	|	|	|	|	61+55	0.8147	0.81	|O	|	|	|	|
56+50	0.8291	0.83	|O	|	|	|	|	62+ 0	0.8145	0.81	|O	|	|	|	|
56+55	0.8288	0.83	|O	|	|	|	|	62+ 5	0.8143	0.81	|O	|	|	|	|
57+ 0	0.8286	0.83	|O	|	|	|	|	62+10	0.8141	0.81	|O	|	|	|	|
57+ 5	0.8284	0.83	|O	|	|	|	|	62+15	0.8138	0.81	|O	|	|	|	|
57+10	0.8281	0.83	|O	|	|	|	|	62+20	0.8136	0.81	|O	|	|	|	|
57+15	0.8279	0.83	|O	|	|	|	|	62+25	0.8134	0.81	|O	|	|	|	|
57+20	0.8276	0.83	|O	|	|	|	|	62+30	0.8131	0.81	|O	|	|	|	|
57+25	0.8274	0.83	|O	|	|	|	|	62+35	0.8129	0.81	|O	|	|	|	|
57+30	0.8272	0.83	|O	|	|	|	|	62+40	0.8127	0.81	|O	|	|	|	|
57+35	0.8269	0.83	|O	|	|	|	|	62+45	0.8124	0.81	|O	|	|	|	|
57+40	0.8267	0.83	|O	|	|	|	|	62+50	0.8122	0.81	|O	|	|	|	|
57+45	0.8265	0.83	|O	|	|	|	|	62+55	0.8120	0.81	|O	|	|	|	|

63+ 0	0.8117	0.81	O					68+10	0.7978	0.80	O				
63+ 5	0.8115	0.81	O					68+15	0.7976	0.80	O				
63+10	0.8113	0.81	O					68+20	0.7974	0.80	O				
63+15	0.8110	0.81	O					68+25	0.7972	0.80	O				
63+20	0.8108	0.81	O					68+30	0.7970	0.80	O				
63+25	0.8106	0.81	O					68+35	0.7968	0.80	O				
63+30	0.8103	0.81	O					68+40	0.7966	0.80	O				
63+35	0.8101	0.81	O					68+45	0.7964	0.80	O				
63+40	0.8099	0.81	O					68+50	0.7962	0.80	O				
63+45	0.8096	0.81	O					68+55	0.7960	0.80	O				
63+50	0.8094	0.81	O					69+ 0	0.7958	0.80	O				
63+55	0.8092	0.81	O					69+ 5	0.7956	0.80	O				
64+ 0	0.8090	0.81	O					69+10	0.7954	0.80	O				
64+ 5	0.8087	0.81	O					69+15	0.7952	0.80	O				
64+10	0.8085	0.81	O					69+20	0.7950	0.79	O				
64+15	0.8083	0.81	O					69+25	0.7948	0.79	O				
64+20	0.8080	0.81	O					69+30	0.7946	0.79	O				
64+25	0.8078	0.81	O					69+35	0.7944	0.79	O				
64+30	0.8076	0.81	O					69+40	0.7942	0.79	O				
64+35	0.8073	0.81	O					69+45	0.7940	0.79	O				
64+40	0.8071	0.81	O					69+50	0.7938	0.79	O				
64+45	0.8069	0.81	O					69+55	0.7936	0.79	O				
64+50	0.8066	0.81	O					70+ 0	0.7934	0.79	O				
64+55	0.8064	0.81	O					70+ 5	0.7932	0.79	O				
65+ 0	0.8062	0.81	O					70+10	0.7930	0.79	O				
65+ 5	0.8060	0.81	O					70+15	0.7928	0.79	O				
65+10	0.8057	0.81	O					70+20	0.7926	0.79	O				
65+15	0.8055	0.81	O					70+25	0.7924	0.79	O				
65+20	0.8053	0.81	O					70+30	0.7922	0.79	O				
65+25	0.8050	0.81	O					70+35	0.7920	0.79	O				
65+30	0.8048	0.80	O					70+40	0.7918	0.79	O				
65+35	0.8046	0.80	O					70+45	0.7916	0.79	O				
65+40	0.8043	0.80	O					70+50	0.7914	0.79	O				
65+45	0.8041	0.80	O					70+55	0.7912	0.79	O				
65+50	0.8039	0.80	O					71+ 0	0.7910	0.79	O				
65+55	0.8037	0.80	O					71+ 5	0.7908	0.79	O				
66+ 0	0.8034	0.80	O					71+10	0.7906	0.79	O				
66+ 5	0.8032	0.80	O					71+15	0.7904	0.79	O				
66+10	0.8030	0.80	O					71+20	0.7902	0.79	O				
66+15	0.8027	0.80	O					71+25	0.7900	0.79	O				
66+20	0.8025	0.80	O					71+30	0.7898	0.79	O				
66+25	0.8023	0.80	O					71+35	0.7896	0.79	O				
66+30	0.8021	0.80	O					71+40	0.7894	0.79	O				
66+35	0.8018	0.80	O					71+45	0.7892	0.79	O				
66+40	0.8016	0.80	O					71+50	0.7890	0.79	O				
66+45	0.8014	0.80	O					71+55	0.7888	0.79	O				
66+50	0.8011	0.80	O					72+ 0	0.7886	0.79	O				
66+55	0.8009	0.80	O					72+ 5	0.7884	0.79	O				
67+ 0	0.8007	0.80	O					72+10	0.7883	0.79	O				
67+ 5	0.8005	0.80	O					72+15	0.7881	0.79	O				
67+10	0.8002	0.80	O					72+20	0.7879	0.79	O				
67+15	0.8000	0.80	O					72+25	0.7877	0.79	O				
67+20	0.7998	0.80	O					72+30	0.7875	0.79	O				
67+25	0.7996	0.80	O					72+35	0.7873	0.79	O				
67+30	0.7994	0.80	O					72+40	0.7871	0.79	O				
67+35	0.7992	0.80	O					72+45	0.7869	0.79	O				
67+40	0.7990	0.80	O					72+50	0.7867	0.79	O				
67+45	0.7988	0.80	O					72+55	0.7865	0.79	O				
67+50	0.7986	0.80	O					73+ 0	0.7863	0.79	O				
67+55	0.7984	0.80	O					73+ 5	0.7861	0.79	O				
68+ 0	0.7982	0.80	O					73+10	0.7859	0.79	O				
68+ 5	0.7980	0.80	O					73+15	0.7857	0.79	O				

73+20	0.7855	0.79	O					78+30	0.7734	0.77	O				
73+25	0.7853	0.79	O					78+35	0.7732	0.77	O				
73+30	0.7851	0.79	O					78+40	0.7730	0.77	O				
73+35	0.7849	0.78	O					78+45	0.7728	0.77	O				
73+40	0.7847	0.78	O					78+50	0.7726	0.77	O				
73+45	0.7845	0.78	O					78+55	0.7724	0.77	O				
73+50	0.7843	0.78	O					79+ 0	0.7722	0.77	O				
73+55	0.7841	0.78	O					79+ 5	0.7720	0.77	O				
74+ 0	0.7839	0.78	O					79+10	0.7718	0.77	O				
74+ 5	0.7837	0.78	O					79+15	0.7716	0.77	O				
74+10	0.7835	0.78	O					79+20	0.7714	0.77	O				
74+15	0.7833	0.78	O					79+25	0.7712	0.77	O				
74+20	0.7831	0.78	O					79+30	0.7711	0.77	O				
74+25	0.7829	0.78	O					79+35	0.7709	0.77	O				
74+30	0.7827	0.78	O					79+40	0.7707	0.77	O				
74+35	0.7825	0.78	O					79+45	0.7705	0.77	O				
74+40	0.7823	0.78	O					79+50	0.7703	0.77	O				
74+45	0.7822	0.78	O					79+55	0.7701	0.77	O				
74+50	0.7820	0.78	O					80+ 0	0.7699	0.77	O				
74+55	0.7818	0.78	O					80+ 5	0.7697	0.77	O				
75+ 0	0.7816	0.78	O					80+10	0.7695	0.77	O				
75+ 5	0.7814	0.78	O					80+15	0.7693	0.77	O				
75+10	0.7812	0.78	O					80+20	0.7691	0.77	O				
75+15	0.7810	0.78	O					80+25	0.7689	0.77	O				
75+20	0.7808	0.78	O					80+30	0.7687	0.77	O				
75+25	0.7806	0.78	O					80+35	0.7685	0.77	O				
75+30	0.7804	0.78	O					80+40	0.7684	0.77	O				
75+35	0.7802	0.78	O					80+45	0.7682	0.77	O				
75+40	0.7800	0.78	O					80+50	0.7680	0.77	O				
75+45	0.7798	0.78	O					80+55	0.7678	0.77	O				
75+50	0.7796	0.78	O					81+ 0	0.7676	0.77	O				
75+55	0.7794	0.78	O					81+ 5	0.7674	0.77	O				
76+ 0	0.7792	0.78	O					81+10	0.7672	0.77	O				
76+ 5	0.7790	0.78	O					81+15	0.7670	0.77	O				
76+10	0.7788	0.78	O					81+20	0.7668	0.77	O				
76+15	0.7786	0.78	O					81+25	0.7666	0.77	O				
76+20	0.7784	0.78	O					81+30	0.7664	0.77	O				
76+25	0.7782	0.78	O					81+35	0.7662	0.77	O				
76+30	0.7780	0.78	O					81+40	0.7660	0.77	O				
76+35	0.7778	0.78	O					81+45	0.7659	0.77	O				
76+40	0.7777	0.78	O					81+50	0.7657	0.77	O				
76+45	0.7775	0.78	O					81+55	0.7655	0.77	O				
76+50	0.7773	0.78	O					82+ 0	0.7653	0.77	O				
76+55	0.7771	0.78	O					82+ 5	0.7651	0.77	O				
77+ 0	0.7769	0.78	O					82+10	0.7649	0.76	O				
77+ 5	0.7767	0.78	O					82+15	0.7647	0.76	O				
77+10	0.7765	0.78	O					82+20	0.7645	0.76	O				
77+15	0.7763	0.78	O					82+25	0.7643	0.76	O				
77+20	0.7761	0.78	O					82+30	0.7641	0.76	O				
77+25	0.7759	0.78	O					82+35	0.7639	0.76	O				
77+30	0.7757	0.78	O					82+40	0.7637	0.76	O				
77+35	0.7755	0.78	O					82+45	0.7636	0.76	O				
77+40	0.7753	0.78	O					82+50	0.7634	0.76	O				
77+45	0.7751	0.78	O					82+55	0.7632	0.76	O				
77+50	0.7749	0.77	O					83+ 0	0.7630	0.76	O				
77+55	0.7747	0.77	O					83+ 5	0.7628	0.76	O				
78+ 0	0.7745	0.77	O					83+10	0.7626	0.76	O				
78+ 5	0.7743	0.77	O					83+15	0.7624	0.76	O				
78+10	0.7742	0.77	O					83+20	0.7622	0.76	O				
78+15	0.7740	0.77	O					83+25	0.7620	0.76	O				
78+20	0.7738	0.77	O					83+30	0.7618	0.76	O				
78+25	0.7736	0.77	O					83+35	0.7616	0.76	O				

83+40	0.7615	0.76	|O	|	|	|	|	88+50	0.7458	0.75	|O	|	|	|	|
83+45	0.7613	0.76	|O	|	|	|	|	88+55	0.7456	0.75	|O	|	|	|	|
83+50	0.7611	0.76	|O	|	|	|	|	89+ 0	0.7453	0.75	|O	|	|	|	|
83+55	0.7609	0.76	|O	|	|	|	|	89+ 5	0.7451	0.75	|O	|	|	|	|
84+ 0	0.7607	0.76	|O	|	|	|	|	89+10	0.7448	0.74	|O	|	|	|	|
84+ 5	0.7605	0.76	|O	|	|	|	|	89+15	0.7445	0.74	|O	|	|	|	|
84+10	0.7603	0.76	|O	|	|	|	|	89+20	0.7443	0.74	|O	|	|	|	|
84+15	0.7601	0.76	|O	|	|	|	|	89+25	0.7440	0.74	|O	|	|	|	|
84+20	0.7599	0.76	|O	|	|	|	|	89+30	0.7438	0.74	|O	|	|	|	|
84+25	0.7596	0.76	|O	|	|	|	|	89+35	0.7435	0.74	|O	|	|	|	|
84+30	0.7594	0.76	|O	|	|	|	|	89+40	0.7433	0.74	|O	|	|	|	|
84+35	0.7591	0.76	|O	|	|	|	|	89+45	0.7430	0.74	|O	|	|	|	|
84+40	0.7588	0.76	|O	|	|	|	|	89+50	0.7427	0.74	|O	|	|	|	|
84+45	0.7586	0.76	|O	|	|	|	|	89+55	0.7425	0.74	|O	|	|	|	|
84+50	0.7583	0.76	|O	|	|	|	|	90+ 0	0.7422	0.74	|O	|	|	|	|
84+55	0.7581	0.76	|O	|	|	|	|	90+ 5	0.7420	0.74	|O	|	|	|	|
85+ 0	0.7578	0.76	|O	|	|	|	|	90+10	0.7417	0.74	|O	|	|	|	|
85+ 5	0.7575	0.76	|O	|	|	|	|	90+15	0.7415	0.74	|O	|	|	|	|
85+10	0.7573	0.76	|O	|	|	|	|	90+20	0.7412	0.74	|O	|	|	|	|
85+15	0.7570	0.76	|O	|	|	|	|	90+25	0.7409	0.74	|O	|	|	|	|
85+20	0.7567	0.76	|O	|	|	|	|	90+30	0.7407	0.74	|O	|	|	|	|
85+25	0.7565	0.76	|O	|	|	|	|	90+35	0.7404	0.74	|O	|	|	|	|
85+30	0.7562	0.76	|O	|	|	|	|	90+40	0.7402	0.74	|O	|	|	|	|
85+35	0.7560	0.76	|O	|	|	|	|	90+45	0.7399	0.74	|O	|	|	|	|
85+40	0.7557	0.76	|O	|	|	|	|	90+50	0.7397	0.74	|O	|	|	|	|
85+45	0.7554	0.76	|O	|	|	|	|	90+55	0.7394	0.74	|O	|	|	|	|
85+50	0.7552	0.76	|O	|	|	|	|	91+ 0	0.7391	0.74	|O	|	|	|	|
85+55	0.7549	0.75	|O	|	|	|	|	91+ 5	0.7389	0.74	|O	|	|	|	|
86+ 0	0.7547	0.75	|O	|	|	|	|	91+10	0.7386	0.74	|O	|	|	|	|
86+ 5	0.7544	0.75	|O	|	|	|	|	91+15	0.7384	0.74	|O	|	|	|	|
86+10	0.7541	0.75	|O	|	|	|	|	91+20	0.7381	0.74	|O	|	|	|	|
86+15	0.7539	0.75	|O	|	|	|	|	91+25	0.7379	0.74	|O	|	|	|	|
86+20	0.7536	0.75	|O	|	|	|	|	91+30	0.7376	0.74	|O	|	|	|	|
86+25	0.7534	0.75	|O	|	|	|	|	91+35	0.7374	0.74	|O	|	|	|	|
86+30	0.7531	0.75	|O	|	|	|	|	91+40	0.7371	0.74	|O	|	|	|	|
86+35	0.7528	0.75	|O	|	|	|	|	91+45	0.7368	0.74	|O	|	|	|	|
86+40	0.7526	0.75	|O	|	|	|	|	91+50	0.7366	0.74	|O	|	|	|	|
86+45	0.7523	0.75	|O	|	|	|	|	91+55	0.7363	0.74	|O	|	|	|	|
86+50	0.7520	0.75	|O	|	|	|	|	92+ 0	0.7361	0.74	|O	|	|	|	|
86+55	0.7518	0.75	|O	|	|	|	|	92+ 5	0.7358	0.74	|O	|	|	|	|
87+ 0	0.7515	0.75	|O	|	|	|	|	92+10	0.7356	0.74	|O	|	|	|	|
87+ 5	0.7513	0.75	|O	|	|	|	|	92+15	0.7353	0.74	|O	|	|	|	|
87+10	0.7510	0.75	|O	|	|	|	|	92+20	0.7351	0.74	|O	|	|	|	|
87+15	0.7507	0.75	|O	|	|	|	|	92+25	0.7348	0.73	|O	|	|	|	|
87+20	0.7505	0.75	|O	|	|	|	|	92+30	0.7346	0.73	|O	|	|	|	|
87+25	0.7502	0.75	|O	|	|	|	|	92+35	0.7343	0.73	|O	|	|	|	|
87+30	0.7500	0.75	|O	|	|	|	|	92+40	0.7340	0.73	|O	|	|	|	|
87+35	0.7497	0.75	|O	|	|	|	|	92+45	0.7338	0.73	|O	|	|	|	|
87+40	0.7495	0.75	|O	|	|	|	|	92+50	0.7335	0.73	|O	|	|	|	|
87+45	0.7492	0.75	|O	|	|	|	|	92+55	0.7333	0.73	|O	|	|	|	|
87+50	0.7489	0.75	|O	|	|	|	|	93+ 0	0.7330	0.73	|O	|	|	|	|
87+55	0.7487	0.75	|O	|	|	|	|	93+ 5	0.7328	0.73	|O	|	|	|	|
88+ 0	0.7484	0.75	|O	|	|	|	|	93+10	0.7325	0.73	|O	|	|	|	|
88+ 5	0.7482	0.75	|O	|	|	|	|	93+15	0.7323	0.73	|O	|	|	|	|
88+10	0.7479	0.75	|O	|	|	|	|	93+20	0.7320	0.73	|O	|	|	|	|
88+15	0.7476	0.75	|O	|	|	|	|	93+25	0.7318	0.73	|O	|	|	|	|
88+20	0.7474	0.75	|O	|	|	|	|	93+30	0.7315	0.73	|O	|	|	|	|
88+25	0.7471	0.75	|O	|	|	|	|	93+35	0.7313	0.73	|O	|	|	|	|
88+30	0.7469	0.75	|O	|	|	|	|	93+40	0.7310	0.73	|O	|	|	|	|
88+35	0.7466	0.75	|O	|	|	|	|	93+45	0.7308	0.73	|O	|	|	|	|
88+40	0.7463	0.75	|O	|	|	|	|	93+50	0.7305	0.73	|O	|	|	|	|
88+45	0.7461	0.75	|O	|	|	|	|	93+55	0.7302	0.73	|O	|	|	|	|

94+ 0	0.7300	0.73	|O	|	|	|	|	99+10	0.7145	0.71	|O	|	|	|	|
94+ 5	0.7297	0.73	|O	|	|	|	|	99+15	0.7143	0.71	|O	|	|	|	|
94+10	0.7295	0.73	|O	|	|	|	|	99+20	0.7140	0.71	|O	|	|	|	|
94+15	0.7292	0.73	|O	|	|	|	|	99+25	0.7138	0.71	|O	|	|	|	|
94+20	0.7290	0.73	|O	|	|	|	|	99+30	0.7135	0.71	|O	|	|	|	|
94+25	0.7287	0.73	|O	|	|	|	|	99+35	0.7133	0.71	|O	|	|	|	|
94+30	0.7285	0.73	|O	|	|	|	|	99+40	0.7130	0.71	|O	|	|	|	|
94+35	0.7282	0.73	|O	|	|	|	|	99+45	0.7128	0.71	|O	|	|	|	|
94+40	0.7280	0.73	|O	|	|	|	|	99+50	0.7125	0.71	|O	|	|	|	|
94+45	0.7277	0.73	|O	|	|	|	|	99+55	0.7123	0.71	|O	|	|	|	|
94+50	0.7275	0.73	|O	|	|	|	|	100+ 0	0.7120	0.71	|O	|	|	|	|
94+55	0.7272	0.73	|O	|	|	|	|	100+ 5	0.7118	0.71	|O	|	|	|	|
95+ 0	0.7270	0.73	|O	|	|	|	|	100+10	0.7115	0.71	|O	|	|	|	|
95+ 5	0.7267	0.73	|O	|	|	|	|	100+15	0.7113	0.71	|O	|	|	|	|
95+10	0.7265	0.73	|O	|	|	|	|	100+20	0.7110	0.71	|O	|	|	|	|
95+15	0.7262	0.73	|O	|	|	|	|	100+25	0.7108	0.71	|O	|	|	|	|
95+20	0.7260	0.73	|O	|	|	|	|	100+30	0.7106	0.71	|O	|	|	|	|
95+25	0.7257	0.73	|O	|	|	|	|	100+35	0.7103	0.71	|O	|	|	|	|
95+30	0.7255	0.73	|O	|	|	|	|	100+40	0.7101	0.71	|O	|	|	|	|
95+35	0.7252	0.73	|O	|	|	|	|	100+45	0.7098	0.71	|O	|	|	|	|
95+40	0.7250	0.72	|O	|	|	|	|	100+50	0.7095	0.71	|O	|	|	|	|
95+45	0.7247	0.72	|O	|	|	|	|	100+55	0.7092	0.71	|O	|	|	|	|
95+50	0.7245	0.72	|O	|	|	|	|	101+ 0	0.7090	0.71	|O	|	|	|	|
95+55	0.7242	0.72	|O	|	|	|	|	101+ 5	0.7087	0.71	|O	|	|	|	|
96+ 0	0.7240	0.72	|O	|	|	|	|	101+10	0.7084	0.71	|O	|	|	|	|
96+ 5	0.7237	0.72	|O	|	|	|	|	101+15	0.7082	0.71	|O	|	|	|	|
96+10	0.7235	0.72	|O	|	|	|	|	101+20	0.7079	0.71	|O	|	|	|	|
96+15	0.7232	0.72	|O	|	|	|	|	101+25	0.7076	0.71	|O	|	|	|	|
96+20	0.7230	0.72	|O	|	|	|	|	101+30	0.7073	0.71	|O	|	|	|	|
96+25	0.7227	0.72	|O	|	|	|	|	101+35	0.7071	0.71	|O	|	|	|	|
96+30	0.7225	0.72	|O	|	|	|	|	101+40	0.7068	0.71	|O	|	|	|	|
96+35	0.7222	0.72	|O	|	|	|	|	101+45	0.7065	0.71	|O	|	|	|	|
96+40	0.7220	0.72	|O	|	|	|	|	101+50	0.7063	0.71	|O	|	|	|	|
96+45	0.7217	0.72	|O	|	|	|	|	101+55	0.7060	0.71	|O	|	|	|	|
96+50	0.7215	0.72	|O	|	|	|	|	102+ 0	0.7057	0.71	|O	|	|	|	|
96+55	0.7212	0.72	|O	|	|	|	|	102+ 5	0.7054	0.71	|O	|	|	|	|
97+ 0	0.7210	0.72	|O	|	|	|	|	102+10	0.7052	0.71	|O	|	|	|	|
97+ 5	0.7207	0.72	|O	|	|	|	|	102+15	0.7049	0.70	|O	|	|	|	|
97+10	0.7205	0.72	|O	|	|	|	|	102+20	0.7046	0.70	|O	|	|	|	|
97+15	0.7202	0.72	|O	|	|	|	|	102+25	0.7044	0.70	|O	|	|	|	|
97+20	0.7200	0.72	|O	|	|	|	|	102+30	0.7041	0.70	|O	|	|	|	|
97+25	0.7197	0.72	|O	|	|	|	|	102+35	0.7038	0.70	|O	|	|	|	|
97+30	0.7195	0.72	|O	|	|	|	|	102+40	0.7035	0.70	|O	|	|	|	|
97+35	0.7192	0.72	|O	|	|	|	|	102+45	0.7033	0.70	|O	|	|	|	|
97+40	0.7190	0.72	|O	|	|	|	|	102+50	0.7030	0.70	|O	|	|	|	|
97+45	0.7187	0.72	|O	|	|	|	|	102+55	0.7027	0.70	|O	|	|	|	|
97+50	0.7185	0.72	|O	|	|	|	|	103+ 0	0.7025	0.70	|O	|	|	|	|
97+55	0.7182	0.72	|O	|	|	|	|	103+ 5	0.7022	0.70	|O	|	|	|	|
98+ 0	0.7180	0.72	|O	|	|	|	|	103+10	0.7019	0.70	|O	|	|	|	|
98+ 5	0.7177	0.72	|O	|	|	|	|	103+15	0.7017	0.70	|O	|	|	|	|
98+10	0.7175	0.72	|O	|	|	|	|	103+20	0.7014	0.70	|O	|	|	|	|
98+15	0.7172	0.72	|O	|	|	|	|	103+25	0.7011	0.70	|O	|	|	|	|
98+20	0.7170	0.72	|O	|	|	|	|	103+30	0.7008	0.70	|O	|	|	|	|
98+25	0.7167	0.72	|O	|	|	|	|	103+35	0.7006	0.70	|O	|	|	|	|
98+30	0.7165	0.72	|O	|	|	|	|	103+40	0.7003	0.70	|O	|	|	|	|
98+35	0.7162	0.72	|O	|	|	|	|	103+45	0.7000	0.70	|O	|	|	|	|
98+40	0.7160	0.72	|O	|	|	|	|	103+50	0.6998	0.70	|O	|	|	|	|
98+45	0.7157	0.72	|O	|	|	|	|	103+55	0.6995	0.70	|O	|	|	|	|
98+50	0.7155	0.72	|O	|	|	|	|	104+ 0	0.6992	0.70	|O	|	|	|	|
98+55	0.7152	0.72	|O	|	|	|	|	104+ 5	0.6990	0.70	|O	|	|	|	|
99+ 0	0.7150	0.71	|O	|	|	|	|	104+10	0.6987	0.70	|O	|	|	|	|
99+ 5	0.7147	0.71	|O	|	|	|	|	104+15	0.6984	0.70	|O	|	|	|	|

104+20	0.6982	0.70	|O	|	|	|	|	109+30	0.6817	0.68	|O	|	|	|	|
104+25	0.6979	0.70	|O	|	|	|	|	109+35	0.6815	0.68	|O	|	|	|	|
104+30	0.6976	0.70	|O	|	|	|	|	109+40	0.6812	0.68	|O	|	|	|	|
104+35	0.6974	0.70	|O	|	|	|	|	109+45	0.6809	0.68	|O	|	|	|	|
104+40	0.6971	0.70	|O	|	|	|	|	109+50	0.6807	0.68	|O	|	|	|	|
104+45	0.6968	0.70	|O	|	|	|	|	109+55	0.6804	0.68	|O	|	|	|	|
104+50	0.6966	0.70	|O	|	|	|	|	110+ 0	0.6802	0.68	|O	|	|	|	|
104+55	0.6963	0.70	|O	|	|	|	|	110+ 5	0.6799	0.68	|O	|	|	|	|
105+ 0	0.6960	0.70	|O	|	|	|	|	110+10	0.6796	0.68	|O	|	|	|	|
105+ 5	0.6958	0.70	|O	|	|	|	|	110+15	0.6794	0.68	|O	|	|	|	|
105+10	0.6955	0.70	|O	|	|	|	|	110+20	0.6791	0.68	|O	|	|	|	|
105+15	0.6952	0.70	|O	|	|	|	|	110+25	0.6788	0.68	|O	|	|	|	|
105+20	0.6949	0.69	|O	|	|	|	|	110+30	0.6786	0.68	|O	|	|	|	|
105+25	0.6947	0.69	|O	|	|	|	|	110+35	0.6783	0.68	|O	|	|	|	|
105+30	0.6944	0.69	|O	|	|	|	|	110+40	0.6781	0.68	|O	|	|	|	|
105+35	0.6941	0.69	|O	|	|	|	|	110+45	0.6778	0.68	|O	|	|	|	|
105+40	0.6939	0.69	|O	|	|	|	|	110+50	0.6775	0.68	|O	|	|	|	|
105+45	0.6936	0.69	|O	|	|	|	|	110+55	0.6773	0.68	|O	|	|	|	|
105+50	0.6933	0.69	|O	|	|	|	|	111+ 0	0.6770	0.68	|O	|	|	|	|
105+55	0.6931	0.69	|O	|	|	|	|	111+ 5	0.6768	0.68	|O	|	|	|	|
106+ 0	0.6928	0.69	|O	|	|	|	|	111+10	0.6765	0.68	|O	|	|	|	|
106+ 5	0.6925	0.69	|O	|	|	|	|	111+15	0.6762	0.68	|O	|	|	|	|
106+10	0.6923	0.69	|O	|	|	|	|	111+20	0.6760	0.68	|O	|	|	|	|
106+15	0.6920	0.69	|O	|	|	|	|	111+25	0.6757	0.68	|O	|	|	|	|
106+20	0.6918	0.69	|O	|	|	|	|	111+30	0.6755	0.68	|O	|	|	|	|
106+25	0.6915	0.69	|O	|	|	|	|	111+35	0.6752	0.68	|O	|	|	|	|
106+30	0.6912	0.69	|O	|	|	|	|	111+40	0.6749	0.67	|O	|	|	|	|
106+35	0.6910	0.69	|O	|	|	|	|	111+45	0.6747	0.67	|O	|	|	|	|
106+40	0.6907	0.69	|O	|	|	|	|	111+50	0.6744	0.67	|O	|	|	|	|
106+45	0.6904	0.69	|O	|	|	|	|	111+55	0.6742	0.67	|O	|	|	|	|
106+50	0.6902	0.69	|O	|	|	|	|	112+ 0	0.6739	0.67	|O	|	|	|	|
106+55	0.6899	0.69	|O	|	|	|	|	112+ 5	0.6736	0.67	|O	|	|	|	|
107+ 0	0.6896	0.69	|O	|	|	|	|	112+10	0.6734	0.67	|O	|	|	|	|
107+ 5	0.6894	0.69	|O	|	|	|	|	112+15	0.6731	0.67	|O	|	|	|	|
107+10	0.6891	0.69	|O	|	|	|	|	112+20	0.6729	0.67	|O	|	|	|	|
107+15	0.6888	0.69	|O	|	|	|	|	112+25	0.6726	0.67	|O	|	|	|	|
107+20	0.6886	0.69	|O	|	|	|	|	112+30	0.6724	0.67	|O	|	|	|	|
107+25	0.6883	0.69	|O	|	|	|	|	112+35	0.6721	0.67	|O	|	|	|	|
107+30	0.6880	0.69	|O	|	|	|	|	112+40	0.6718	0.67	|O	|	|	|	|
107+35	0.6878	0.69	|O	|	|	|	|	112+45	0.6716	0.67	|O	|	|	|	|
107+40	0.6875	0.69	|O	|	|	|	|	112+50	0.6713	0.67	|O	|	|	|	|
107+45	0.6872	0.69	|O	|	|	|	|	112+55	0.6711	0.67	|O	|	|	|	|
107+50	0.6870	0.69	|O	|	|	|	|	113+ 0	0.6708	0.67	|O	|	|	|	|
107+55	0.6867	0.69	|O	|	|	|	|	113+ 5	0.6705	0.67	|O	|	|	|	|
108+ 0	0.6865	0.69	|O	|	|	|	|	113+10	0.6703	0.67	|O	|	|	|	|
108+ 5	0.6862	0.69	|O	|	|	|	|	113+15	0.6700	0.67	|O	|	|	|	|
108+10	0.6859	0.69	|O	|	|	|	|	113+20	0.6698	0.67	|O	|	|	|	|
108+15	0.6857	0.69	|O	|	|	|	|	113+25	0.6695	0.67	|O	|	|	|	|
108+20	0.6854	0.69	|O	|	|	|	|	113+30	0.6693	0.67	|O	|	|	|	|
108+25	0.6851	0.69	|O	|	|	|	|	113+35	0.6690	0.67	|O	|	|	|	|
108+30	0.6849	0.68	|O	|	|	|	|	113+40	0.6687	0.67	|O	|	|	|	|
108+35	0.6846	0.68	|O	|	|	|	|	113+45	0.6685	0.67	|O	|	|	|	|
108+40	0.6843	0.68	|O	|	|	|	|	113+50	0.6682	0.67	|O	|	|	|	|
108+45	0.6841	0.68	|O	|	|	|	|	113+55	0.6680	0.67	|O	|	|	|	|
108+50	0.6838	0.68	|O	|	|	|	|	114+ 0	0.6677	0.67	|O	|	|	|	|
108+55	0.6836	0.68	|O	|	|	|	|	114+ 5	0.6675	0.67	|O	|	|	|	|
109+ 0	0.6833	0.68	|O	|	|	|	|	114+10	0.6672	0.67	|O	|	|	|	|
109+ 5	0.6830	0.68	|O	|	|	|	|	114+15	0.6670	0.67	|O	|	|	|	|
109+10	0.6828	0.68	|O	|	|	|	|	114+20	0.6667	0.67	|O	|	|	|	|
109+15	0.6825	0.68	|O	|	|	|	|	114+25	0.6664	0.67	|O	|	|	|	|
109+20	0.6822	0.68	|O	|	|	|	|	114+30	0.6662	0.67	|O	|	|	|	|
109+25	0.6820	0.68	|O	|	|	|	|	114+35	0.6659	0.67	|O	|	|	|	|

114+40	0.6657	0.67	|O	|	|	|	|	119+50	0.6466	0.65	|O	|	|	|	|
114+45	0.6654	0.67	|O	|	|	|	|	119+55	0.6463	0.65	|O	|	|	|	|
114+50	0.6652	0.67	|O	|	|	|	|	120+ 0	0.6459	0.65	|O	|	|	|	|
114+55	0.6649	0.66	|O	|	|	|	|	120+ 5	0.6456	0.65	|O	|	|	|	|
115+ 0	0.6646	0.66	|O	|	|	|	|	120+10	0.6453	0.65	|O	|	|	|	|
115+ 5	0.6644	0.66	|O	|	|	|	|	120+15	0.6449	0.64	|O	|	|	|	|
115+10	0.6641	0.66	|O	|	|	|	|	120+20	0.6446	0.64	|O	|	|	|	|
115+15	0.6639	0.66	|O	|	|	|	|	120+25	0.6443	0.64	|O	|	|	|	|
115+20	0.6636	0.66	|O	|	|	|	|	120+30	0.6439	0.64	|O	|	|	|	|
115+25	0.6634	0.66	|O	|	|	|	|	120+35	0.6436	0.64	|O	|	|	|	|
115+30	0.6631	0.66	|O	|	|	|	|	120+40	0.6433	0.64	|O	|	|	|	|
115+35	0.6629	0.66	|O	|	|	|	|	120+45	0.6429	0.64	|O	|	|	|	|
115+40	0.6626	0.66	|O	|	|	|	|	120+50	0.6426	0.64	|O	|	|	|	|
115+45	0.6624	0.66	|O	|	|	|	|	120+55	0.6423	0.64	|O	|	|	|	|
115+50	0.6621	0.66	|O	|	|	|	|	121+ 0	0.6419	0.64	|O	|	|	|	|
115+55	0.6618	0.66	|O	|	|	|	|	121+ 5	0.6416	0.64	|O	|	|	|	|
116+ 0	0.6616	0.66	|O	|	|	|	|	121+10	0.6413	0.64	|O	|	|	|	|
116+ 5	0.6613	0.66	|O	|	|	|	|	121+15	0.6409	0.64	|O	|	|	|	|
116+10	0.6611	0.66	|O	|	|	|	|	121+20	0.6406	0.64	|O	|	|	|	|
116+15	0.6608	0.66	|O	|	|	|	|	121+25	0.6403	0.64	|O	|	|	|	|
116+20	0.6606	0.66	|O	|	|	|	|	121+30	0.6399	0.64	|O	|	|	|	|
116+25	0.6603	0.66	|O	|	|	|	|	121+35	0.6396	0.64	|O	|	|	|	|
116+30	0.6601	0.66	|O	|	|	|	|	121+40	0.6393	0.64	|O	|	|	|	|
116+35	0.6597	0.66	|O	|	|	|	|	121+45	0.6390	0.64	|O	|	|	|	|
116+40	0.6594	0.66	|O	|	|	|	|	121+50	0.6386	0.64	|O	|	|	|	|
116+45	0.6591	0.66	|O	|	|	|	|	121+55	0.6383	0.64	|O	|	|	|	|
116+50	0.6587	0.66	|O	|	|	|	|	122+ 0	0.6380	0.64	|O	|	|	|	|
116+55	0.6584	0.66	|O	|	|	|	|	122+ 5	0.6376	0.64	|O	|	|	|	|
117+ 0	0.6580	0.66	|O	|	|	|	|	122+10	0.6373	0.64	|O	|	|	|	|
117+ 5	0.6577	0.66	|O	|	|	|	|	122+15	0.6370	0.64	|O	|	|	|	|
117+10	0.6574	0.66	|O	|	|	|	|	122+20	0.6366	0.64	|O	|	|	|	|
117+15	0.6570	0.66	|O	|	|	|	|	122+25	0.6363	0.64	|O	|	|	|	|
117+20	0.6567	0.66	|O	|	|	|	|	122+30	0.6360	0.64	|O	|	|	|	|
117+25	0.6563	0.66	|O	|	|	|	|	122+35	0.6357	0.64	|O	|	|	|	|
117+30	0.6560	0.66	|O	|	|	|	|	122+40	0.6353	0.64	|O	|	|	|	|
117+35	0.6557	0.66	|O	|	|	|	|	122+45	0.6350	0.63	|O	|	|	|	|
117+40	0.6553	0.66	|O	|	|	|	|	122+50	0.6347	0.63	|O	|	|	|	|
117+45	0.6550	0.65	|O	|	|	|	|	122+55	0.6344	0.63	|O	|	|	|	|
117+50	0.6547	0.65	|O	|	|	|	|	123+ 0	0.6340	0.63	|O	|	|	|	|
117+55	0.6543	0.65	|O	|	|	|	|	123+ 5	0.6337	0.63	|O	|	|	|	|
118+ 0	0.6540	0.65	|O	|	|	|	|	123+10	0.6334	0.63	|O	|	|	|	|
118+ 5	0.6536	0.65	|O	|	|	|	|	123+15	0.6330	0.63	|O	|	|	|	|
118+10	0.6533	0.65	|O	|	|	|	|	123+20	0.6327	0.63	|O	|	|	|	|
118+15	0.6530	0.65	|O	|	|	|	|	123+25	0.6324	0.63	|O	|	|	|	|
118+20	0.6526	0.65	|O	|	|	|	|	123+30	0.6321	0.63	|O	|	|	|	|
118+25	0.6523	0.65	|O	|	|	|	|	123+35	0.6317	0.63	|O	|	|	|	|
118+30	0.6520	0.65	|O	|	|	|	|	123+40	0.6314	0.63	|O	|	|	|	|
118+35	0.6516	0.65	|O	|	|	|	|	123+45	0.6311	0.63	|O	|	|	|	|
118+40	0.6513	0.65	|O	|	|	|	|	123+50	0.6308	0.63	|O	|	|	|	|
118+45	0.6509	0.65	|O	|	|	|	|	123+55	0.6304	0.63	|O	|	|	|	|
118+50	0.6506	0.65	|O	|	|	|	|	124+ 0	0.6301	0.63	|O	|	|	|	|
118+55	0.6503	0.65	|O	|	|	|	|	124+ 5	0.6298	0.63	|O	|	|	|	|
119+ 0	0.6499	0.65	|O	|	|	|	|	124+10	0.6295	0.63	|O	|	|	|	|
119+ 5	0.6496	0.65	|O	|	|	|	|	124+15	0.6291	0.63	|O	|	|	|	|
119+10	0.6493	0.65	|O	|	|	|	|	124+20	0.6288	0.63	|O	|	|	|	|
119+15	0.6489	0.65	|O	|	|	|	|	124+25	0.6285	0.63	|O	|	|	|	|
119+20	0.6486	0.65	|O	|	|	|	|	124+30	0.6282	0.63	|O	|	|	|	|
119+25	0.6483	0.65	|O	|	|	|	|	124+35	0.6278	0.63	|O	|	|	|	|
119+30	0.6479	0.65	|O	|	|	|	|	124+40	0.6275	0.63	|O	|	|	|	|
119+35	0.6476	0.65	|O	|	|	|	|	124+45	0.6272	0.63	|O	|	|	|	|
119+40	0.6473	0.65	|O	|	|	|	|	124+50	0.6269	0.63	|O	|	|	|	|
119+45	0.6469	0.65	|O	|	|	|	|	124+55	0.6265	0.63	|O	|	|	|	|

125+ 0	0.6262	0.63	|O	|	|	|	|	130+10	0.6065	0.61	|O	|	|	|	|
125+ 5	0.6259	0.63	|O	|	|	|	|	130+15	0.6062	0.61	|O	|	|	|	|
125+10	0.6256	0.63	|O	|	|	|	|	130+20	0.6058	0.61	|O	|	|	|	|
125+15	0.6252	0.63	|O	|	|	|	|	130+25	0.6055	0.61	|O	|	|	|	|
125+20	0.6249	0.62	|O	|	|	|	|	130+30	0.6052	0.61	|O	|	|	|	|
125+25	0.6246	0.62	|O	|	|	|	|	130+35	0.6049	0.60	|O	|	|	|	|
125+30	0.6243	0.62	|O	|	|	|	|	130+40	0.6046	0.60	|O	|	|	|	|
125+35	0.6240	0.62	|O	|	|	|	|	130+45	0.6043	0.60	|O	|	|	|	|
125+40	0.6236	0.62	|O	|	|	|	|	130+50	0.6040	0.60	|O	|	|	|	|
125+45	0.6233	0.62	|O	|	|	|	|	130+55	0.6037	0.60	|O	|	|	|	|
125+50	0.6230	0.62	|O	|	|	|	|	131+ 0	0.6034	0.60	|O	|	|	|	|
125+55	0.6227	0.62	|O	|	|	|	|	131+ 5	0.6030	0.60	|O	|	|	|	|
126+ 0	0.6223	0.62	|O	|	|	|	|	131+10	0.6027	0.60	|O	|	|	|	|
126+ 5	0.6220	0.62	|O	|	|	|	|	131+15	0.6024	0.60	|O	|	|	|	|
126+10	0.6217	0.62	|O	|	|	|	|	131+20	0.6021	0.60	|O	|	|	|	|
126+15	0.6214	0.62	|O	|	|	|	|	131+25	0.6018	0.60	|O	|	|	|	|
126+20	0.6211	0.62	|O	|	|	|	|	131+30	0.6015	0.60	|O	|	|	|	|
126+25	0.6207	0.62	|O	|	|	|	|	131+35	0.6012	0.60	|O	|	|	|	|
126+30	0.6204	0.62	|O	|	|	|	|	131+40	0.6009	0.60	|O	|	|	|	|
126+35	0.6201	0.62	|O	|	|	|	|	131+45	0.6006	0.60	|O	|	|	|	|
126+40	0.6198	0.62	|O	|	|	|	|	131+50	0.6002	0.60	|O	|	|	|	|
126+45	0.6195	0.62	|O	|	|	|	|	131+55	0.5999	0.60	|O	|	|	|	|
126+50	0.6191	0.62	|O	|	|	|	|	132+ 0	0.5995	0.60	|O	|	|	|	|
126+55	0.6188	0.62	|O	|	|	|	|	132+ 5	0.5991	0.60	|O	|	|	|	|
127+ 0	0.6185	0.62	|O	|	|	|	|	132+10	0.5987	0.60	|O	|	|	|	|
127+ 5	0.6182	0.62	|O	|	|	|	|	132+15	0.5983	0.60	|O	|	|	|	|
127+10	0.6179	0.62	|O	|	|	|	|	132+20	0.5979	0.60	|O	|	|	|	|
127+15	0.6175	0.62	|O	|	|	|	|	132+25	0.5975	0.60	|O	|	|	|	|
127+20	0.6172	0.62	|O	|	|	|	|	132+30	0.5971	0.60	|O	|	|	|	|
127+25	0.6169	0.62	|O	|	|	|	|	132+35	0.5967	0.60	|O	|	|	|	|
127+30	0.6166	0.62	|O	|	|	|	|	132+40	0.5963	0.60	|O	|	|	|	|
127+35	0.6163	0.62	|O	|	|	|	|	132+45	0.5959	0.60	|O	|	|	|	|
127+40	0.6159	0.62	|O	|	|	|	|	132+50	0.5955	0.60	|O	|	|	|	|
127+45	0.6156	0.62	|O	|	|	|	|	132+55	0.5951	0.60	|O	|	|	|	|
127+50	0.6153	0.62	|O	|	|	|	|	133+ 0	0.5947	0.59	|O	|	|	|	|
127+55	0.6150	0.61	|O	|	|	|	|	133+ 5	0.5943	0.59	|O	|	|	|	|
128+ 0	0.6147	0.61	|O	|	|	|	|	133+10	0.5938	0.59	|O	|	|	|	|
128+ 5	0.6144	0.61	|O	|	|	|	|	133+15	0.5934	0.59	|O	|	|	|	|
128+10	0.6140	0.61	|O	|	|	|	|	133+20	0.5930	0.59	|O	|	|	|	|
128+15	0.6137	0.61	|O	|	|	|	|	133+25	0.5926	0.59	|O	|	|	|	|
128+20	0.6134	0.61	|O	|	|	|	|	133+30	0.5922	0.59	|O	|	|	|	|
128+25	0.6131	0.61	|O	|	|	|	|	133+35	0.5918	0.59	|O	|	|	|	|
128+30	0.6128	0.61	|O	|	|	|	|	133+40	0.5914	0.59	|O	|	|	|	|
128+35	0.6125	0.61	|O	|	|	|	|	133+45	0.5910	0.59	|O	|	|	|	|
128+40	0.6121	0.61	|O	|	|	|	|	133+50	0.5906	0.59	|O	|	|	|	|
128+45	0.6118	0.61	|O	|	|	|	|	133+55	0.5902	0.59	|O	|	|	|	|
128+50	0.6115	0.61	|O	|	|	|	|	134+ 0	0.5898	0.59	|O	|	|	|	|
128+55	0.6112	0.61	|O	|	|	|	|	134+ 5	0.5894	0.59	|O	|	|	|	|
129+ 0	0.6109	0.61	|O	|	|	|	|	134+10	0.5890	0.59	|O	|	|	|	|
129+ 5	0.6106	0.61	|O	|	|	|	|	134+15	0.5886	0.59	|O	|	|	|	|
129+10	0.6102	0.61	|O	|	|	|	|	134+20	0.5882	0.59	|O	|	|	|	|
129+15	0.6099	0.61	|O	|	|	|	|	134+25	0.5878	0.59	|O	|	|	|	|
129+20	0.6096	0.61	|O	|	|	|	|	134+30	0.5874	0.59	|O	|	|	|	|
129+25	0.6093	0.61	|O	|	|	|	|	134+35	0.5871	0.59	|O	|	|	|	|
129+30	0.6090	0.61	|O	|	|	|	|	134+40	0.5867	0.59	|O	|	|	|	|
129+35	0.6087	0.61	|O	|	|	|	|	134+45	0.5863	0.59	|O	|	|	|	|
129+40	0.6084	0.61	|O	|	|	|	|	134+50	0.5859	0.59	|O	|	|	|	|
129+45	0.6080	0.61	|O	|	|	|	|	134+55	0.5855	0.59	|O	|	|	|	|
129+50	0.6077	0.61	|O	|	|	|	|	135+ 0	0.5851	0.59	|O	|	|	|	|
129+55	0.6074	0.61	|O	|	|	|	|	135+ 5	0.5847	0.58	|O	|	|	|	|
130+ 0	0.6071	0.61	|O	|	|	|	|	135+10	0.5843	0.58	|O	|	|	|	|
130+ 5	0.6068	0.61	|O	|	|	|	|	135+15	0.5839	0.58	|O	|	|	|	|

135+20	0.5835	0.58	O				
135+25	0.5831	0.58	O				
135+30	0.5827	0.58	O				
135+35	0.5823	0.58	O				
135+40	0.5819	0.58	O				
135+45	0.5815	0.58	O				
135+50	0.5811	0.58	O				
135+55	0.5807	0.58	O				
136+ 0	0.5803	0.58	O				
136+ 5	0.5799	0.58	O				
136+10	0.5795	0.58	O				
136+15	0.5792	0.58	O				
136+20	0.5788	0.58	O				
136+25	0.5784	0.58	O				
136+30	0.5780	0.58	O				
136+35	0.5776	0.58	O				
136+40	0.5772	0.58	O				
136+45	0.5768	0.58	O				
136+50	0.5764	0.58	O				
136+55	0.5760	0.58	O				
137+ 0	0.5756	0.58	O				
137+ 5	0.5752	0.58	O				
137+10	0.5749	0.57	O				
137+15	0.5745	0.57	O				
137+20	0.5741	0.57	O				
137+25	0.5737	0.57	O				
137+30	0.5733	0.57	O				
137+35	0.5729	0.57	O				
137+40	0.5725	0.57	O				
137+45	0.5721	0.57	O				
137+50	0.5718	0.57	O				
137+55	0.5714	0.57	O				
138+ 0	0.5710	0.57	O				
138+ 5	0.5706	0.57	O				
138+10	0.5702	0.57	O				
138+15	0.5698	0.57	O				
138+20	0.5694	0.57	O				
138+25	0.5690	0.57	O				
138+30	0.5687	0.57	O				
138+35	0.5683	0.57	O				
138+40	0.5679	0.57	O				
138+45	0.5675	0.57	O				
138+50	0.5671	0.57	O				
138+55	0.5667	0.57	O				
139+ 0	0.5664	0.57	O				
139+ 5	0.5660	0.57	O				
139+10	0.5656	0.57	O				
139+15	0.5652	0.57	O				
139+20	0.5648	0.56	O				
139+25	0.5644	0.56	O				
139+30	0.5641	0.56	O				
139+35	0.5637	0.56	O				
139+40	0.5633	0.56	O				
139+45	0.5629	0.56	O				
139+50	0.5625	0.56	O				
139+55	0.5622	0.56	O				

**********HYDROGRAPH DATA**********

Number of intervals = 3603
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 22.779 (CFS)
Total volume = 26.344 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	15.837	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	6.969	0.000	0.000	0.000	0.000

Process from Point/Station 9.200 to Point/Station 9.200
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

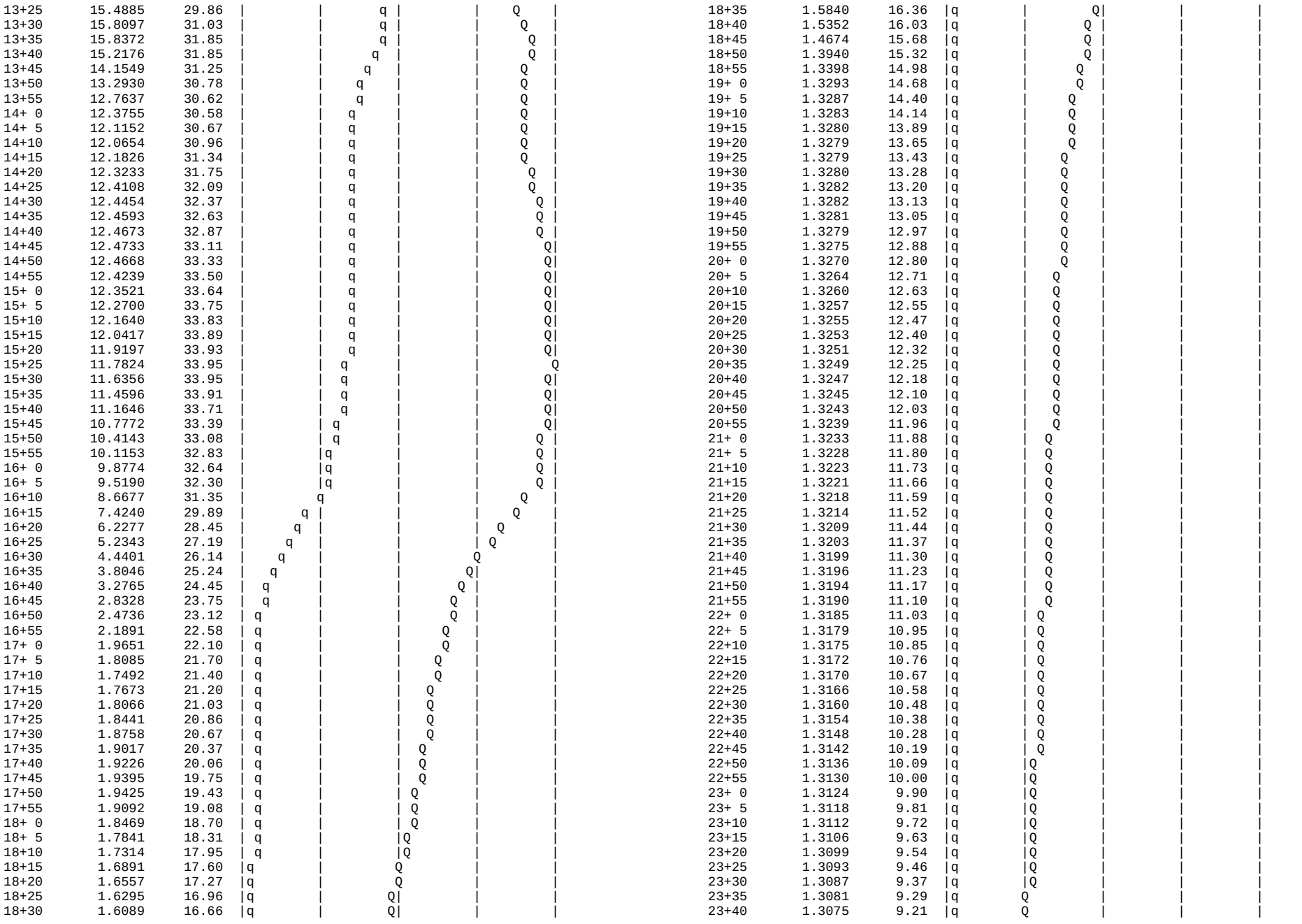
From stored stream number 1 the total
volume of 6.97 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	8.5	17.0	25.5	33.9
0+ 5	0.0033	0.00	Q				
0+10	0.0173	0.02	Q				
0+15	0.0418	0.05	Q				
0+20	0.0712	0.09	Q				
0+25	0.1059	0.14	Q				
0+30	0.1450	0.19	Q				
0+35	0.1848	0.25	Q				
0+40	0.2234	0.30	Q				
0+45	0.2607	0.35	Q				
0+50	0.2981	0.40	Q				
0+55	0.3210	0.44	Q				
1+ 0	0.3394	0.48	Q				
1+ 5	0.3572	0.52	Q				
1+10	0.3729	0.55	Q				
1+15	0.3862	0.58	Q				
1+20	0.3984	0.60	Q				
1+25	0.4103	0.63	Q				
1+30	0.4219	0.65	Q				
1+35	0.4333	0.68	Q				
1+40	0.4446	0.70	Q				
1+45	0.4536	0.72	Q				
1+50	0.4617	0.73	Q				
1+55	0.4708	0.75	Q				
2+ 0	0.4814	0.76	Q				
2+ 5	0.4924	0.78	Q				
2+10	0.5034	0.80	Q				
2+15	0.5143	0.81	Q				
2+20	0.5251	0.83	Q				
2+25	0.5358	0.85	qQ				
2+30	0.5464	0.87	qQ				
2+35	0.5573	0.88	qQ				
2+40	0.5668	0.90	qQ				
2+45	0.5764	0.92	qQ				
2+50	0.5864	0.94	qQ				
2+55	0.5964	0.95	qQ				
3+ 0	0.6063	0.97	qQ				

3+ 5	0.6162	0.99	qQ	|	|	|	|		8+15	1.1050	1.82	qQ	|	|	|	|	
3+10	0.6260	1.00	qQ	|	|	|	|		8+20	1.1141	1.84	qQ	|	|	|	|	
3+15	0.6357	1.02	qQ	|	|	|	|		8+25	1.1232	1.85	qQ	|	|	|	|	
3+20	0.6454	1.03	qQ	|	|	|	|		8+30	1.1324	1.87	qQ	|	|	|	|	
3+25	0.6537	1.05	qQ	|	|	|	|		8+35	1.1416	1.88	qQ	|	|	|	|	
3+30	0.6613	1.06	qQ	|	|	|	|		8+40	1.1505	1.90	qQ	|	|	|	|	
3+35	0.6686	1.07	qQ	|	|	|	|		8+45	1.1579	1.91	qQ	|	|	|	|	
3+40	0.6759	1.08	qQ	|	|	|	|		8+50	1.1652	1.93	qQ	|	|	|	|	
3+45	0.6832	1.09	qQ	|	|	|	|		8+55	1.1727	1.94	qQ	|	|	|	|	
3+50	0.6906	1.11	qQ	|	|	|	|		9+ 0	1.1804	1.95	qQ	|	|	|	|	
3+55	0.6988	1.12	qQ	|	|	|	|		9+ 5	1.1883	1.96	qQ	|	|	|	|	
4+ 0	0.7078	1.13	qQ	|	|	|	|		9+10	1.1975	1.98	qQ	|	|	|	|	
4+ 5	0.7170	1.15	qQ	|	|	|	|		9+15	1.2075	2.00	qQ	|	|	|	|	
4+10	0.7262	1.16	qQ	|	|	|	|		9+20	1.2177	2.01	qQ	|	|	|	|	
4+15	0.7347	1.18	qQ	|	|	|	|		9+25	1.2282	2.03	qQ	|	|	|	|	
4+20	0.7431	1.19	qQ	|	|	|	|		9+30	1.2387	2.05	qQ	|	|	|	|	
4+25	0.7521	1.21	qQ	|	|	|	|		9+35	1.2472	2.06	qQ	|	|	|	|	
4+30	0.7618	1.22	qQ	|	|	|	|		9+40	1.2552	2.08	qQ	|	|	|	|	
4+35	0.7716	1.24	qQ	|	|	|	|		9+45	1.2635	2.09	qQ	|	|	|	|	
4+40	0.7815	1.26	qQ	|	|	|	|		9+50	1.2719	2.11	qQ	|	|	|	|	
4+45	0.7914	1.27	qQ	|	|	|	|		9+55	1.2807	2.13	qQ	|	|	|	|	
4+50	0.8014	1.29	qQ	|	|	|	|		10+ 0	1.2905	2.14	qQ	|	|	|	|	
4+55	0.8109	1.31	qQ	|	|	|	|		10+ 5	1.3001	2.16	qQ	|	|	|	|	
5+ 0	0.8189	1.32	qQ	|	|	|	|		10+10	1.3083	2.17	qQ	|	|	|	|	
5+ 5	0.8263	1.34	qQ	|	|	|	|		10+15	1.3152	2.18	qQ	|	|	|	|	
5+10	0.8328	1.35	qQ	|	|	|	|		10+20	1.3214	2.19	qQ	|	|	|	|	
5+15	0.8383	1.36	qQ	|	|	|	|		10+25	1.3276	2.20	qQ	|	|	|	|	
5+20	0.8436	1.37	qQ	|	|	|	|		10+30	2.0853	2.96	qQ	|	|	|	|	
5+25	0.8493	1.38	|Q	|	|	|	|		10+35	3.1070	3.99	qQ	|	|	|	|	
5+30	0.8553	1.39	|Q	|	|	|	|		10+40	4.1471	5.03	qQ	|	|	|	|	
5+35	0.8617	1.40	|Q	|	|	|	|		10+45	5.1581	6.42	qQ	|	|	|	|	
5+40	0.8686	1.42	|Q	|	|	|	|		10+50	6.0263	7.92	q Q|	|	|	|	|	
5+45	0.8752	1.43	|Q	|	|	|	|		10+55	6.7267	9.26	q Q	|	|	|	|	
5+50	0.8819	1.44	|Q	|	|	|	|		11+ 0	7.2818	10.45	q | Q	|	|	|	|	
5+55	0.8885	1.45	|Q	|	|	|	|		11+ 5	7.7077	11.48	q| Q	|	|	|	|	
6+ 0	0.8952	1.46	|Q	|	|	|	|		11+10	8.0042	12.36	q| Q	|	|	|	|	
6+ 5	0.9020	1.48	|Q	|	|	|	|		11+15	8.1987	13.11	q| Q	|	|	|	|	
6+10	0.9092	1.49	|Q	|	|	|	|		11+20	8.3370	13.78	q| Q	|	|	|	|	
6+15	0.9169	1.50	|Q	|	|	|	|		11+25	8.4426	14.40	q| Q	|	|	|	|	
6+20	0.9248	1.52	|Q	|	|	|	|		11+30	8.5253	14.95	q Q	|	|	|	|	
6+25	0.9322	1.53	|Q	|	|	|	|		11+35	8.5674	15.27	q Q	|	|	|	|	
6+30	0.9390	1.54	|Q	|	|	|	|		11+40	8.5243	15.47	q Q	|	|	|	|	
6+35	0.9458	1.55	|Q	|	|	|	|		11+45	8.4135	15.59	q| Q	|	|	|	|	
6+40	0.9531	1.57	|Q	|	|	|	|		11+50	8.3092	15.70	q| Q	|	|	|	|	
6+45	0.9608	1.58	|Q	|	|	|	|		11+55	8.2592	15.87	q| Q	|	|	|	|	
6+50	0.9687	1.59	|Q	|	|	|	|		12+ 0	8.2577	16.10	q| Q	|	|	|	|	
6+55	0.9767	1.61	|Q	|	|	|	|		12+ 5	8.3526	16.43	q| Q|	|	|	|	
7+ 0	0.9846	1.62	|Q	|	|	|	|		12+10	8.7009	17.07	q Q	|	|	|	|	
7+ 5	0.9922	1.63	|Q	|	|	|	|		12+15	9.2482	17.95	q |Q	|	|	|	|	
7+10	0.9994	1.65	|Q	|	|	|	|		12+20	9.7943	18.85	|q | Q	|	|	|	|	
7+15	1.0066	1.66	|Q	|	|	|	|		12+25	10.2880	19.71	| q | Q	|	|	|	|	
7+20	1.0138	1.67	|Q	|	|	|	|		12+30	10.7220	20.46	| q | Q	|	|	|	|	
7+25	1.0215	1.68	|Q	|	|	|	|		12+35	11.1030	21.09	| q | Q	|	|	|	|	
7+30	1.0295	1.70	|Q	|	|	|	|		12+40	11.4835	21.73	| q | Q	|	|	|	|	
7+35	1.0378	1.71	|qQ	|	|	|	|		12+45	11.8615	22.37	| q | Q	|	|	|	|	
7+40	1.0466	1.72	|qQ	|	|	|	|		12+50	12.2003	22.97	| q | Q	|	|	|	|	
7+45	1.0545	1.74	|qQ	|	|	|	|		12+55	12.5128	23.55	| q | Q	|	|	|	|	
7+50	1.0621	1.75	|qQ	|	|	|	|		13+ 0	12.7995	24.11	| q | Q	|	|	|	|	
7+55	1.0699	1.76	|qQ	|	|	|	|		13+ 5	13.0984	24.69	| q | Q|	|	|	|	
8+ 0	1.0781	1.78	|qQ	|	|	|	|		13+10	13.6291	25.52	| q | Q	|	|	|	|	
8+ 5	1.0866	1.79	|qQ	|	|	|	|		13+15	14.3813	27.01	| q | Q	|	|	|	|	
8+10	1.0957	1.81	|qQ	|	|	|	|		13+20	15.0251	28.53	| q | Q	|	|	|	|	



| | | |

23+45	1.3069	9.12	|q Q	|	|	|		28+55	0.0000	1.85	q Q	|	|	|	|
23+50	1.3063	9.04	|q Q	|	|	|		29+ 0	0.0000	1.80	q Q	|	|	|	|
23+55	1.3057	8.96	|q Q	|	|	|		29+ 5	0.0000	1.76	q Q	|	|	|	|
24+ 0	1.3051	8.89	|q Q	|	|	|		29+10	0.0000	1.71	q Q	|	|	|	|
24+ 5	1.3044	8.81	|q Q	|	|	|		29+15	0.0000	1.67	qQ	|	|	|	|
24+10	1.3034	8.72	|q Q	|	|	|		29+20	0.0000	1.62	qQ	|	|	|	|
24+15	1.3021	8.62	|q Q	|	|	|		29+25	0.0000	1.58	qQ	|	|	|	|
24+20	1.3007	8.51	|q Q	|	|	|		29+30	0.0000	1.54	qQ	|	|	|	|
24+25	1.2992	8.41	|q Q|	|	|	|		29+35	0.0000	1.50	qQ	|	|	|	|
24+30	1.2978	8.31	|q Q|	|	|	|		29+40	0.0000	1.46	qQ	|	|	|	|
24+35	1.2963	8.21	|q Q|	|	|	|		29+45	0.0000	1.42	qQ	|	|	|	|
24+40	1.2949	8.11	|q Q|	|	|	|		29+50	0.0000	1.38	qQ	|	|	|	|
24+45	1.2934	8.01	|q Q|	|	|	|		29+55	0.0000	1.35	qQ	|	|	|	|
24+50	1.2920	7.91	|q Q|	|	|	|		30+ 0	0.0000	1.31	qQ	|	|	|	|
24+55	1.2905	7.82	|q Q|	|	|	|		30+ 5	0.0000	1.28	qQ	|	|	|	|
25+ 0	1.2891	7.72	|q Q|	|	|	|		30+10	0.0000	1.25	qQ	|	|	|	|
25+ 5	0.0000	6.28	q Q |	|	|	|		30+15	0.0000	1.21	qQ	|	|	|	|
25+10	0.0000	6.11	q Q |	|	|	|		30+20	0.0000	1.18	qQ	|	|	|	|
25+15	0.0000	5.95	q Q |	|	|	|		30+25	0.0000	1.15	qQ	|	|	|	|
25+20	0.0000	5.80	q Q |	|	|	|		30+30	0.0000	1.12	qQ	|	|	|	|
25+25	0.0000	5.65	q Q |	|	|	|		30+35	0.0000	1.09	qQ	|	|	|	|
25+30	0.0000	5.50	q Q |	|	|	|		30+40	0.0000	1.06	qQ	|	|	|	|
25+35	0.0000	5.35	q Q |	|	|	|		30+45	0.0000	1.03	qQ	|	|	|	|
25+40	0.0000	5.21	q Q |	|	|	|		30+50	0.0000	1.01	qQ	|	|	|	|
25+45	0.0000	5.08	q Q |	|	|	|		30+55	0.0000	0.98	qQ	|	|	|	|
25+50	0.0000	4.95	q Q |	|	|	|		31+ 0	0.0000	0.95	qQ	|	|	|	|
25+55	0.0000	4.82	q Q |	|	|	|		31+ 5	0.0000	0.93	qQ	|	|	|	|
26+ 0	0.0000	4.69	q Q |	|	|	|		31+10	0.0000	0.91	qQ	|	|	|	|
26+ 5	0.0000	4.57	q Q |	|	|	|		31+15	0.0000	0.89	qQ	|	|	|	|
26+10	0.0000	4.45	q Q |	|	|	|		31+20	0.0000	0.89	qQ	|	|	|	|
26+15	0.0000	4.33	q Q |	|	|	|		31+25	0.0000	0.89	qQ	|	|	|	|
26+20	0.0000	4.22	q Q |	|	|	|		31+30	0.0000	0.89	qQ	|	|	|	|
26+25	0.0000	4.11	q Q |	|	|	|		31+35	0.0000	0.89	qQ	|	|	|	|
26+30	0.0000	4.00	q Q |	|	|	|		31+40	0.0000	0.89	qQ	|	|	|	|
26+35	0.0000	3.89	q Q |	|	|	|		31+45	0.0000	0.89	qQ	|	|	|	|
26+40	0.0000	3.79	q Q |	|	|	|		31+50	0.0000	0.89	qQ	|	|	|	|
26+45	0.0000	3.69	q Q |	|	|	|		31+55	0.0000	0.89	qQ	|	|	|	|
26+50	0.0000	3.60	q Q |	|	|	|		32+ 0	0.0000	0.89	qQ	|	|	|	|
26+55	0.0000	3.50	q Q |	|	|	|		32+ 5	0.0000	0.89	qQ	|	|	|	|
27+ 0	0.0000	3.41	q Q |	|	|	|		32+10	0.0000	0.89	qQ	|	|	|	|
27+ 5	0.0000	3.32	q Q |	|	|	|		32+15	0.0000	0.89	qQ	|	|	|	|
27+10	0.0000	3.23	q Q |	|	|	|		32+20	0.0000	0.89	qQ	|	|	|	|
27+15	0.0000	3.15	q Q |	|	|	|		32+25	0.0000	0.89	qQ	|	|	|	|
27+20	0.0000	3.07	q Q |	|	|	|		32+30	0.0000	0.89	qQ	|	|	|	|
27+25	0.0000	2.99	q Q |	|	|	|		32+35	0.0000	0.89	qQ	|	|	|	|
27+30	0.0000	2.91	q Q |	|	|	|		32+40	0.0000	0.89	qQ	|	|	|	|
27+35	0.0000	2.83	q Q |	|	|	|		32+45	0.0000	0.89	qQ	|	|	|	|
27+40	0.0000	2.76	q Q |	|	|	|		32+50	0.0000	0.89	qQ	|	|	|	|
27+45	0.0000	2.69	q Q |	|	|	|		32+55	0.0000	0.89	qQ	|	|	|	|
27+50	0.0000	2.62	q Q |	|	|	|		33+ 0	0.0000	0.89	qQ	|	|	|	|
27+55	0.0000	2.55	q Q |	|	|	|		33+ 5	0.0000	0.89	qQ	|	|	|	|
28+ 0	0.0000	2.48	q Q |	|	|	|		33+10	0.0000	0.89	qQ	|	|	|	|
28+ 5	0.0000	2.42	q Q |	|	|	|		33+15	0.0000	0.89	qQ	|	|	|	|
28+10	0.0000	2.35	q Q |	|	|	|		33+20	0.0000	0.89	qQ	|	|	|	|
28+15	0.0000	2.29	q Q |	|	|	|		33+25	0.0000	0.89	qQ	|	|	|	|
28+20	0.0000	2.23	q Q |	|	|	|		33+30	0.0000	0.88	qQ	|	|	|	|
28+25	0.0000	2.17	q Q |	|	|	|		33+35	0.0000	0.88	qQ	|	|	|	|
28+30	0.0000	2.12	q Q |	|	|	|		33+40	0.0000	0.88	qQ	|	|	|	|
28+35	0.0000	2.06	q Q |	|	|	|		33+45	0.0000	0.88	qQ	|	|	|	|
28+40	0.0000	2.01	q Q |	|	|	|		33+50	0.0000	0.88	qQ	|	|	|	|
28+45	0.0000	1.95	q Q |	|	|	|		33+55	0.0000	0.88	qQ	|	|	|	|
28+50	0.0000	1.90	q Q |	|	|	|		34+ 0	0.0000	0.88	qQ	|	|	|	|

34+ 5	0.0000	0.88	qQ					39+15	0.0000	0.87	qQ				
34+10	0.0000	0.88	qQ					39+20	0.0000	0.87	qQ				
34+15	0.0000	0.88	qQ					39+25	0.0000	0.87	qQ				
34+20	0.0000	0.88	qQ					39+30	0.0000	0.87	qQ				
34+25	0.0000	0.88	qQ					39+35	0.0000	0.87	qQ				
34+30	0.0000	0.88	qQ					39+40	0.0000	0.87	qQ				
34+35	0.0000	0.88	qQ					39+45	0.0000	0.87	qQ				
34+40	0.0000	0.88	qQ					39+50	0.0000	0.87	qQ				
34+45	0.0000	0.88	qQ					39+55	0.0000	0.87	qQ				
34+50	0.0000	0.88	qQ					40+ 0	0.0000	0.87	qQ				
34+55	0.0000	0.88	qQ					40+ 5	0.0000	0.87	qQ				
35+ 0	0.0000	0.88	qQ					40+10	0.0000	0.87	qQ				
35+ 5	0.0000	0.88	qQ					40+15	0.0000	0.87	qQ				
35+10	0.0000	0.88	qQ					40+20	0.0000	0.87	qQ				
35+15	0.0000	0.88	qQ					40+25	0.0000	0.87	qQ				
35+20	0.0000	0.88	qQ					40+30	0.0000	0.87	qQ				
35+25	0.0000	0.88	qQ					40+35	0.0000	0.87	qQ				
35+30	0.0000	0.88	qQ					40+40	0.0000	0.87	qQ				
35+35	0.0000	0.88	qQ					40+45	0.0000	0.87	qQ				
35+40	0.0000	0.88	qQ					40+50	0.0000	0.87	qQ				
35+45	0.0000	0.88	qQ					40+55	0.0000	0.87	qQ				
35+50	0.0000	0.88	qQ					41+ 0	0.0000	0.87	qQ				
35+55	0.0000	0.88	qQ					41+ 5	0.0000	0.87	qQ				
36+ 0	0.0000	0.88	qQ					41+10	0.0000	0.87	qQ				
36+ 5	0.0000	0.88	qQ					41+15	0.0000	0.87	qQ				
36+10	0.0000	0.88	qQ					41+20	0.0000	0.87	qQ				
36+15	0.0000	0.88	qQ					41+25	0.0000	0.87	qQ				
36+20	0.0000	0.88	qQ					41+30	0.0000	0.87	qQ				
36+25	0.0000	0.88	qQ					41+35	0.0000	0.87	qQ				
36+30	0.0000	0.88	qQ					41+40	0.0000	0.87	qQ				
36+35	0.0000	0.88	qQ					41+45	0.0000	0.87	qQ				
36+40	0.0000	0.88	qQ					41+50	0.0000	0.87	qQ				
36+45	0.0000	0.88	qQ					41+55	0.0000	0.87	qQ				
36+50	0.0000	0.88	qQ					42+ 0	0.0000	0.87	qQ				
36+55	0.0000	0.88	qQ					42+ 5	0.0000	0.87	qQ				
37+ 0	0.0000	0.88	qQ					42+10	0.0000	0.87	qQ				
37+ 5	0.0000	0.88	qQ					42+15	0.0000	0.87	qQ				
37+10	0.0000	0.88	qQ					42+20	0.0000	0.87	qQ				
37+15	0.0000	0.88	qQ					42+25	0.0000	0.87	qQ				
37+20	0.0000	0.88	qQ					42+30	0.0000	0.87	qQ				
37+25	0.0000	0.88	qQ					42+35	0.0000	0.86	qQ				
37+30	0.0000	0.88	qQ					42+40	0.0000	0.86	qQ				
37+35	0.0000	0.88	qQ					42+45	0.0000	0.86	qQ				
37+40	0.0000	0.88	qQ					42+50	0.0000	0.86	qQ				
37+45	0.0000	0.88	qQ					42+55	0.0000	0.86	qQ				
37+50	0.0000	0.88	qQ					43+ 0	0.0000	0.86	qQ				
37+55	0.0000	0.88	qQ					43+ 5	0.0000	0.86	qQ				
38+ 0	0.0000	0.87	qQ					43+10	0.0000	0.86	qQ				
38+ 5	0.0000	0.87	qQ					43+15	0.0000	0.86	qQ				
38+10	0.0000	0.87	qQ					43+20	0.0000	0.86	qQ				
38+15	0.0000	0.87	qQ					43+25	0.0000	0.86	qQ				
38+20	0.0000	0.87	qQ					43+30	0.0000	0.86	qQ				
38+25	0.0000	0.87	qQ					43+35	0.0000	0.86	qQ				
38+30	0.0000	0.87	qQ					43+40	0.0000	0.86	qQ				
38+35	0.0000	0.87	qQ					43+45	0.0000	0.86	qQ				
38+40	0.0000	0.87	qQ					43+50	0.0000	0.86	qQ				
38+45	0.0000	0.87	qQ					43+55	0.0000	0.86	qQ				
38+50	0.0000	0.87	qQ					44+ 0	0.0000	0.86	qQ				
38+55	0.0000	0.87	qQ					44+ 5	0.0000	0.86	qQ				
39+ 0	0.0000	0.87	qQ					44+10	0.0000	0.86	qQ				
39+ 5	0.0000	0.87	qQ					44+15	0.0000	0.86	qQ				
39+10	0.0000	0.87	qQ					44+20	0.0000	0.86	qQ				

44+25	0.0000	0.86	qQ				
44+30	0.0000	0.86	qQ				
44+35	0.0000	0.86	qQ				
44+40	0.0000	0.86	qQ				
44+45	0.0000	0.86	qQ				
44+50	0.0000	0.86	qQ				
44+55	0.0000	0.86	qQ				
45+ 0	0.0000	0.86	qQ				
45+ 5	0.0000	0.86	qQ				
45+10	0.0000	0.86	qQ				
45+15	0.0000	0.86	qQ				
45+20	0.0000	0.86	qQ				
45+25	0.0000	0.86	qQ				
45+30	0.0000	0.86	qQ				
45+35	0.0000	0.86	qQ				
45+40	0.0000	0.86	qQ				
45+45	0.0000	0.86	qQ				
45+50	0.0000	0.86	qQ				
45+55	0.0000	0.86	qQ				
46+ 0	0.0000	0.86	qQ				
46+ 5	0.0000	0.86	qQ				
46+10	0.0000	0.86	qQ				
46+15	0.0000	0.86	qQ				
46+20	0.0000	0.86	qQ				
46+25	0.0000	0.86	qQ				
46+30	0.0000	0.86	qQ				
46+35	0.0000	0.86	qQ				
46+40	0.0000	0.86	qQ				
46+45	0.0000	0.86	qQ				
46+50	0.0000	0.86	qQ				
46+55	0.0000	0.86	qQ				
47+ 0	0.0000	0.86	qQ				
47+ 5	0.0000	0.86	qQ				
47+10	0.0000	0.86	qQ				
47+15	0.0000	0.85	qQ				
47+20	0.0000	0.85	qQ				
47+25	0.0000	0.85	qQ				
47+30	0.0000	0.85	qQ				
47+35	0.0000	0.85	qQ				
47+40	0.0000	0.85	qQ				
47+45	0.0000	0.85	qQ				
47+50	0.0000	0.85	qQ				
47+55	0.0000	0.85	qQ				
48+ 0	0.0000	0.85	qQ				
48+ 5	0.0000	0.85	qQ				
48+10	0.0000	0.85	qQ				
48+15	0.0000	0.85	qQ				
48+20	0.0000	0.85	qQ				
48+25	0.0000	0.85	qQ				
48+30	0.0000	0.85	qQ				
48+35	0.0000	0.85	qQ				
48+40	0.0000	0.85	qQ				
48+45	0.0000	0.85	qQ				
48+50	0.0000	0.85	qQ				
48+55	0.0000	0.85	qQ				
49+ 0	0.0000	0.85	qQ				
49+ 5	0.0000	0.85	qQ				
49+10	0.0000	0.85	qQ				
49+15	0.0000	0.85	qQ				
49+20	0.0000	0.85	qQ				
49+25	0.0000	0.85	qQ				
49+30	0.0000	0.85	qQ				
49+35	0.0000	0.85	qQ				
49+40	0.0000	0.85	qQ				
49+45	0.0000	0.85	qQ				
49+50	0.0000	0.85	qQ				
49+55	0.0000	0.85	qQ				
50+ 0	0.0000	0.85	Q				
50+ 5	0.0000	0.85	Q				
50+10	0.0000	0.85	Q				
50+15	0.0000	0.85	Q				
50+20	0.0000	0.85	Q				
50+25	0.0000	0.85	Q				
50+30	0.0000	0.85	Q				
50+35	0.0000	0.85	Q				
50+40	0.0000	0.85	Q				
50+45	0.0000	0.85	Q				
50+50	0.0000	0.85	Q				
50+55	0.0000	0.85	Q				
51+ 0	0.0000	0.85	Q				
51+ 5	0.0000	0.85	Q				
51+10	0.0000	0.85	Q				
51+15	0.0000	0.85	Q				
51+20	0.0000	0.84	Q				
51+25	0.0000	0.84	Q				
51+30	0.0000	0.84	Q				
51+35	0.0000	0.84	Q				
51+40	0.0000	0.84	Q				
51+45	0.0000	0.84	Q				
51+50	0.0000	0.84	Q				
51+55	0.0000	0.84	Q				
52+ 0	0.0000	0.84	Q				
52+ 5	0.0000	0.84	Q				
52+10	0.0000	0.84	Q				
52+15	0.0000	0.84	Q				
52+20	0.0000	0.84	Q				
52+25	0.0000	0.84	Q				
52+30	0.0000	0.84	Q				
52+35	0.0000	0.84	Q				
52+40	0.0000	0.84	Q				
52+45	0.0000	0.84	Q				
52+50	0.0000	0.84	Q				
52+55	0.0000	0.84	Q				
53+ 0	0.0000	0.84	Q				
53+ 5	0.0000	0.84	Q				
53+10	0.0000	0.84	Q				
53+15	0.0000	0.84	Q				
53+20	0.0000	0.84	Q				
53+25	0.0000	0.84	Q				
53+30	0.0000	0.84	Q				
53+35	0.0000	0.84	Q				
53+40	0.0000	0.84	Q				
53+45	0.0000	0.84	Q				
53+50	0.0000	0.84	Q				
53+55	0.0000	0.84	Q				
54+ 0	0.0000	0.84	Q				
54+ 5	0.0000	0.84	Q				
54+10	0.0000	0.84	Q				
54+15	0.0000	0.84	Q				
54+20	0.0000	0.84	Q				
54+25	0.0000	0.84	Q				
54+30	0.0000	0.84	Q				
54+35	0.0000	0.84	Q				
54+40	0.0000	0.84	Q				

54+45	0.0000	0.84	Q					59+55	0.0000	0.82	Q				
54+50	0.0000	0.83	Q					60+ 0	0.0000	0.82	Q				
54+55	0.0000	0.83	Q					60+ 5	0.0000	0.82	Q				
55+ 0	0.0000	0.83	Q					60+10	0.0000	0.82	Q				
55+ 5	0.0000	0.83	Q					60+15	0.0000	0.82	Q				
55+10	0.0000	0.83	Q					60+20	0.0000	0.82	Q				
55+15	0.0000	0.83	Q					60+25	0.0000	0.82	Q				
55+20	0.0000	0.83	Q					60+30	0.0000	0.82	Q				
55+25	0.0000	0.83	Q					60+35	0.0000	0.82	Q				
55+30	0.0000	0.83	Q					60+40	0.0000	0.82	Q				
55+35	0.0000	0.83	Q					60+45	0.0000	0.82	Q				
55+40	0.0000	0.83	Q					60+50	0.0000	0.82	Q				
55+45	0.0000	0.83	Q					60+55	0.0000	0.82	Q				
55+50	0.0000	0.83	Q					61+ 0	0.0000	0.82	Q				
55+55	0.0000	0.83	Q					61+ 5	0.0000	0.82	Q				
56+ 0	0.0000	0.83	Q					61+10	0.0000	0.82	Q				
56+ 5	0.0000	0.83	Q					61+15	0.0000	0.82	Q				
56+10	0.0000	0.83	Q					61+20	0.0000	0.82	Q				
56+15	0.0000	0.83	Q					61+25	0.0000	0.82	Q				
56+20	0.0000	0.83	Q					61+30	0.0000	0.82	Q				
56+25	0.0000	0.83	Q					61+35	0.0000	0.82	Q				
56+30	0.0000	0.83	Q					61+40	0.0000	0.82	Q				
56+35	0.0000	0.83	Q					61+45	0.0000	0.82	Q				
56+40	0.0000	0.83	Q					61+50	0.0000	0.81	Q				
56+45	0.0000	0.83	Q					61+55	0.0000	0.81	Q				
56+50	0.0000	0.83	Q					62+ 0	0.0000	0.81	Q				
56+55	0.0000	0.83	Q					62+ 5	0.0000	0.81	Q				
57+ 0	0.0000	0.83	Q					62+10	0.0000	0.81	Q				
57+ 5	0.0000	0.83	Q					62+15	0.0000	0.81	Q				
57+10	0.0000	0.83	Q					62+20	0.0000	0.81	Q				
57+15	0.0000	0.83	Q					62+25	0.0000	0.81	Q				
57+20	0.0000	0.83	Q					62+30	0.0000	0.81	Q				
57+25	0.0000	0.83	Q					62+35	0.0000	0.81	Q				
57+30	0.0000	0.83	Q					62+40	0.0000	0.81	Q				
57+35	0.0000	0.83	Q					62+45	0.0000	0.81	Q				
57+40	0.0000	0.83	Q					62+50	0.0000	0.81	Q				
57+45	0.0000	0.83	Q					62+55	0.0000	0.81	Q				
57+50	0.0000	0.83	Q					63+ 0	0.0000	0.81	Q				
57+55	0.0000	0.83	Q					63+ 5	0.0000	0.81	Q				
58+ 0	0.0000	0.83	Q					63+10	0.0000	0.81	Q				
58+ 5	0.0000	0.83	Q					63+15	0.0000	0.81	Q				
58+10	0.0000	0.83	Q					63+20	0.0000	0.81	Q				
58+15	0.0000	0.83	Q					63+25	0.0000	0.81	Q				
58+20	0.0000	0.82	Q					63+30	0.0000	0.81	Q				
58+25	0.0000	0.82	Q					63+35	0.0000	0.81	Q				
58+30	0.0000	0.82	Q					63+40	0.0000	0.81	Q				
58+35	0.0000	0.82	Q					63+45	0.0000	0.81	Q				
58+40	0.0000	0.82	Q					63+50	0.0000	0.81	Q				
58+45	0.0000	0.82	Q					63+55	0.0000	0.81	Q				
58+50	0.0000	0.82	Q					64+ 0	0.0000	0.81	Q				
58+55	0.0000	0.82	Q					64+ 5	0.0000	0.81	Q				
59+ 0	0.0000	0.82	Q					64+10	0.0000	0.81	Q				
59+ 5	0.0000	0.82	Q					64+15	0.0000	0.81	Q				
59+10	0.0000	0.82	Q					64+20	0.0000	0.81	Q				
59+15	0.0000	0.82	Q					64+25	0.0000	0.81	Q				
59+20	0.0000	0.82	Q					64+30	0.0000	0.81	Q				
59+25	0.0000	0.82	Q					64+35	0.0000	0.81	Q				
59+30	0.0000	0.82	Q					64+40	0.0000	0.81	Q				
59+35	0.0000	0.82	Q					64+45	0.0000	0.81	Q				
59+40	0.0000	0.82	Q					64+50	0.0000	0.81	Q				
59+45	0.0000	0.82	Q					64+55	0.0000	0.81	Q				
59+50	0.0000	0.82	Q					65+ 0	0.0000	0.81	Q				

65+ 5	0.0000	0.81	Q	|	|	|	|	70+15	0.0000	0.79	Q	|	|	|	|
65+10	0.0000	0.81	Q	|	|	|	|	70+20	0.0000	0.79	Q	|	|	|	|
65+15	0.0000	0.81	Q	|	|	|	|	70+25	0.0000	0.79	Q	|	|	|	|
65+20	0.0000	0.81	Q	|	|	|	|	70+30	0.0000	0.79	Q	|	|	|	|
65+25	0.0000	0.81	Q	|	|	|	|	70+35	0.0000	0.79	Q	|	|	|	|
65+30	0.0000	0.80	Q	|	|	|	|	70+40	0.0000	0.79	Q	|	|	|	|
65+35	0.0000	0.80	Q	|	|	|	|	70+45	0.0000	0.79	Q	|	|	|	|
65+40	0.0000	0.80	Q	|	|	|	|	70+50	0.0000	0.79	Q	|	|	|	|
65+45	0.0000	0.80	Q	|	|	|	|	70+55	0.0000	0.79	Q	|	|	|	|
65+50	0.0000	0.80	Q	|	|	|	|	71+ 0	0.0000	0.79	Q	|	|	|	|
65+55	0.0000	0.80	Q	|	|	|	|	71+ 5	0.0000	0.79	Q	|	|	|	|
66+ 0	0.0000	0.80	Q	|	|	|	|	71+10	0.0000	0.79	Q	|	|	|	|
66+ 5	0.0000	0.80	Q	|	|	|	|	71+15	0.0000	0.79	Q	|	|	|	|
66+10	0.0000	0.80	Q	|	|	|	|	71+20	0.0000	0.79	Q	|	|	|	|
66+15	0.0000	0.80	Q	|	|	|	|	71+25	0.0000	0.79	Q	|	|	|	|
66+20	0.0000	0.80	Q	|	|	|	|	71+30	0.0000	0.79	Q	|	|	|	|
66+25	0.0000	0.80	Q	|	|	|	|	71+35	0.0000	0.79	Q	|	|	|	|
66+30	0.0000	0.80	Q	|	|	|	|	71+40	0.0000	0.79	Q	|	|	|	|
66+35	0.0000	0.80	Q	|	|	|	|	71+45	0.0000	0.79	Q	|	|	|	|
66+40	0.0000	0.80	Q	|	|	|	|	71+50	0.0000	0.79	Q	|	|	|	|
66+45	0.0000	0.80	Q	|	|	|	|	71+55	0.0000	0.79	Q	|	|	|	|
66+50	0.0000	0.80	Q	|	|	|	|	72+ 0	0.0000	0.79	Q	|	|	|	|
66+55	0.0000	0.80	Q	|	|	|	|	72+ 5	0.0000	0.79	Q	|	|	|	|
67+ 0	0.0000	0.80	Q	|	|	|	|	72+10	0.0000	0.79	Q	|	|	|	|
67+ 5	0.0000	0.80	Q	|	|	|	|	72+15	0.0000	0.79	Q	|	|	|	|
67+10	0.0000	0.80	Q	|	|	|	|	72+20	0.0000	0.79	Q	|	|	|	|
67+15	0.0000	0.80	Q	|	|	|	|	72+25	0.0000	0.79	Q	|	|	|	|
67+20	0.0000	0.80	Q	|	|	|	|	72+30	0.0000	0.79	Q	|	|	|	|
67+25	0.0000	0.80	Q	|	|	|	|	72+35	0.0000	0.79	Q	|	|	|	|
67+30	0.0000	0.80	Q	|	|	|	|	72+40	0.0000	0.79	Q	|	|	|	|
67+35	0.0000	0.80	Q	|	|	|	|	72+45	0.0000	0.79	Q	|	|	|	|
67+40	0.0000	0.80	Q	|	|	|	|	72+50	0.0000	0.79	Q	|	|	|	|
67+45	0.0000	0.80	Q	|	|	|	|	72+55	0.0000	0.79	Q	|	|	|	|
67+50	0.0000	0.80	Q	|	|	|	|	73+ 0	0.0000	0.79	Q	|	|	|	|
67+55	0.0000	0.80	Q	|	|	|	|	73+ 5	0.0000	0.79	Q	|	|	|	|
68+ 0	0.0000	0.80	Q	|	|	|	|	73+10	0.0000	0.79	Q	|	|	|	|
68+ 5	0.0000	0.80	Q	|	|	|	|	73+15	0.0000	0.79	Q	|	|	|	|
68+10	0.0000	0.80	Q	|	|	|	|	73+20	0.0000	0.79	Q	|	|	|	|
68+15	0.0000	0.80	Q	|	|	|	|	73+25	0.0000	0.79	Q	|	|	|	|
68+20	0.0000	0.80	Q	|	|	|	|	73+30	0.0000	0.79	Q	|	|	|	|
68+25	0.0000	0.80	Q	|	|	|	|	73+35	0.0000	0.78	Q	|	|	|	|
68+30	0.0000	0.80	Q	|	|	|	|	73+40	0.0000	0.78	Q	|	|	|	|
68+35	0.0000	0.80	Q	|	|	|	|	73+45	0.0000	0.78	Q	|	|	|	|
68+40	0.0000	0.80	Q	|	|	|	|	73+50	0.0000	0.78	Q	|	|	|	|
68+45	0.0000	0.80	Q	|	|	|	|	73+55	0.0000	0.78	Q	|	|	|	|
68+50	0.0000	0.80	Q	|	|	|	|	74+ 0	0.0000	0.78	Q	|	|	|	|
68+55	0.0000	0.80	Q	|	|	|	|	74+ 5	0.0000	0.78	Q	|	|	|	|
69+ 0	0.0000	0.80	Q	|	|	|	|	74+10	0.0000	0.78	Q	|	|	|	|
69+ 5	0.0000	0.80	Q	|	|	|	|	74+15	0.0000	0.78	Q	|	|	|	|
69+10	0.0000	0.80	Q	|	|	|	|	74+20	0.0000	0.78	Q	|	|	|	|
69+15	0.0000	0.80	Q	|	|	|	|	74+25	0.0000	0.78	Q	|	|	|	|
69+20	0.0000	0.79	Q	|	|	|	|	74+30	0.0000	0.78	Q	|	|	|	|
69+25	0.0000	0.79	Q	|	|	|	|	74+35	0.0000	0.78	Q	|	|	|	|
69+30	0.0000	0.79	Q	|	|	|	|	74+40	0.0000	0.78	Q	|	|	|	|
69+35	0.0000	0.79	Q	|	|	|	|	74+45	0.0000	0.78	Q	|	|	|	|
69+40	0.0000	0.79	Q	|	|	|	|	74+50	0.0000	0.78	Q	|	|	|	|
69+45	0.0000	0.79	Q	|	|	|	|	74+55	0.0000	0.78	Q	|	|	|	|
69+50	0.0000	0.79	Q	|	|	|	|	75+ 0	0.0000	0.78	Q	|	|	|	|
69+55	0.0000	0.79	Q	|	|	|	|	75+ 5	0.0000	0.78	Q	|	|	|	|
70+ 0	0.0000	0.79	Q	|	|	|	|	75+10	0.0000	0.78	Q	|	|	|	|
70+ 5	0.0000	0.79	Q	|	|	|	|	75+15	0.0000	0.78	Q	|	|	|	|
70+10	0.0000	0.79	Q	|	|	|	|	75+20	0.0000	0.78	Q	|	|	|	|

75+25	0.0000	0.78	Q					80+35	0.0000	0.77	Q				
75+30	0.0000	0.78	Q					80+40	0.0000	0.77	Q				
75+35	0.0000	0.78	Q					80+45	0.0000	0.77	Q				
75+40	0.0000	0.78	Q					80+50	0.0000	0.77	Q				
75+45	0.0000	0.78	Q					80+55	0.0000	0.77	Q				
75+50	0.0000	0.78	Q					81+ 0	0.0000	0.77	Q				
75+55	0.0000	0.78	Q					81+ 5	0.0000	0.77	Q				
76+ 0	0.0000	0.78	Q					81+10	0.0000	0.77	Q				
76+ 5	0.0000	0.78	Q					81+15	0.0000	0.77	Q				
76+10	0.0000	0.78	Q					81+20	0.0000	0.77	Q				
76+15	0.0000	0.78	Q					81+25	0.0000	0.77	Q				
76+20	0.0000	0.78	Q					81+30	0.0000	0.77	Q				
76+25	0.0000	0.78	Q					81+35	0.0000	0.77	Q				
76+30	0.0000	0.78	Q					81+40	0.0000	0.77	Q				
76+35	0.0000	0.78	Q					81+45	0.0000	0.77	Q				
76+40	0.0000	0.78	Q					81+50	0.0000	0.77	Q				
76+45	0.0000	0.78	Q					81+55	0.0000	0.77	Q				
76+50	0.0000	0.78	Q					82+ 0	0.0000	0.77	Q				
76+55	0.0000	0.78	Q					82+ 5	0.0000	0.77	Q				
77+ 0	0.0000	0.78	Q					82+10	0.0000	0.76	Q				
77+ 5	0.0000	0.78	Q					82+15	0.0000	0.76	Q				
77+10	0.0000	0.78	Q					82+20	0.0000	0.76	Q				
77+15	0.0000	0.78	Q					82+25	0.0000	0.76	Q				
77+20	0.0000	0.78	Q					82+30	0.0000	0.76	Q				
77+25	0.0000	0.78	Q					82+35	0.0000	0.76	Q				
77+30	0.0000	0.78	Q					82+40	0.0000	0.76	Q				
77+35	0.0000	0.78	Q					82+45	0.0000	0.76	Q				
77+40	0.0000	0.78	Q					82+50	0.0000	0.76	Q				
77+45	0.0000	0.78	Q					82+55	0.0000	0.76	Q				
77+50	0.0000	0.77	Q					83+ 0	0.0000	0.76	Q				
77+55	0.0000	0.77	Q					83+ 5	0.0000	0.76	Q				
78+ 0	0.0000	0.77	Q					83+10	0.0000	0.76	Q				
78+ 5	0.0000	0.77	Q					83+15	0.0000	0.76	Q				
78+10	0.0000	0.77	Q					83+20	0.0000	0.76	Q				
78+15	0.0000	0.77	Q					83+25	0.0000	0.76	Q				
78+20	0.0000	0.77	Q					83+30	0.0000	0.76	Q				
78+25	0.0000	0.77	Q					83+35	0.0000	0.76	Q				
78+30	0.0000	0.77	Q					83+40	0.0000	0.76	Q				
78+35	0.0000	0.77	Q					83+45	0.0000	0.76	Q				
78+40	0.0000	0.77	Q					83+50	0.0000	0.76	Q				
78+45	0.0000	0.77	Q					83+55	0.0000	0.76	Q				
78+50	0.0000	0.77	Q					84+ 0	0.0000	0.76	Q				
78+55	0.0000	0.77	Q					84+ 5	0.0000	0.76	Q				
79+ 0	0.0000	0.77	Q					84+10	0.0000	0.76	Q				
79+ 5	0.0000	0.77	Q					84+15	0.0000	0.76	Q				
79+10	0.0000	0.77	Q					84+20	0.0000	0.76	Q				
79+15	0.0000	0.77	Q					84+25	0.0000	0.76	Q				
79+20	0.0000	0.77	Q					84+30	0.0000	0.76	Q				
79+25	0.0000	0.77	Q					84+35	0.0000	0.76	Q				
79+30	0.0000	0.77	Q					84+40	0.0000	0.76	Q				
79+35	0.0000	0.77	Q					84+45	0.0000	0.76	Q				
79+40	0.0000	0.77	Q					84+50	0.0000	0.76	Q				
79+45	0.0000	0.77	Q					84+55	0.0000	0.76	Q				
79+50	0.0000	0.77	Q					85+ 0	0.0000	0.76	Q				
79+55	0.0000	0.77	Q					85+ 5	0.0000	0.76	Q				
80+ 0	0.0000	0.77	Q					85+10	0.0000	0.76	Q				
80+ 5	0.0000	0.77	Q					85+15	0.0000	0.76	Q				
80+10	0.0000	0.77	Q					85+20	0.0000	0.76	Q				
80+15	0.0000	0.77	Q					85+25	0.0000	0.76	Q				
80+20	0.0000	0.77	Q					85+30	0.0000	0.76	Q				
80+25	0.0000	0.77	Q					85+35	0.0000	0.76	Q				
80+30	0.0000	0.77	Q					85+40	0.0000	0.76	Q				

85+45	0.0000	0.76	Q	|	|	|	|	90+55	0.0000	0.74	Q	|	|	|	|
85+50	0.0000	0.76	Q	|	|	|	|	91+ 0	0.0000	0.74	Q	|	|	|	|
85+55	0.0000	0.75	Q	|	|	|	|	91+ 5	0.0000	0.74	Q	|	|	|	|
86+ 0	0.0000	0.75	Q	|	|	|	|	91+10	0.0000	0.74	Q	|	|	|	|
86+ 5	0.0000	0.75	Q	|	|	|	|	91+15	0.0000	0.74	Q	|	|	|	|
86+10	0.0000	0.75	Q	|	|	|	|	91+20	0.0000	0.74	Q	|	|	|	|
86+15	0.0000	0.75	Q	|	|	|	|	91+25	0.0000	0.74	Q	|	|	|	|
86+20	0.0000	0.75	Q	|	|	|	|	91+30	0.0000	0.74	Q	|	|	|	|
86+25	0.0000	0.75	Q	|	|	|	|	91+35	0.0000	0.74	Q	|	|	|	|
86+30	0.0000	0.75	Q	|	|	|	|	91+40	0.0000	0.74	Q	|	|	|	|
86+35	0.0000	0.75	Q	|	|	|	|	91+45	0.0000	0.74	Q	|	|	|	|
86+40	0.0000	0.75	Q	|	|	|	|	91+50	0.0000	0.74	Q	|	|	|	|
86+45	0.0000	0.75	Q	|	|	|	|	91+55	0.0000	0.74	Q	|	|	|	|
86+50	0.0000	0.75	Q	|	|	|	|	92+ 0	0.0000	0.74	Q	|	|	|	|
86+55	0.0000	0.75	Q	|	|	|	|	92+ 5	0.0000	0.74	Q	|	|	|	|
87+ 0	0.0000	0.75	Q	|	|	|	|	92+10	0.0000	0.74	Q	|	|	|	|
87+ 5	0.0000	0.75	Q	|	|	|	|	92+15	0.0000	0.74	Q	|	|	|	|
87+10	0.0000	0.75	Q	|	|	|	|	92+20	0.0000	0.74	Q	|	|	|	|
87+15	0.0000	0.75	Q	|	|	|	|	92+25	0.0000	0.73	Q	|	|	|	|
87+20	0.0000	0.75	Q	|	|	|	|	92+30	0.0000	0.73	Q	|	|	|	|
87+25	0.0000	0.75	Q	|	|	|	|	92+35	0.0000	0.73	Q	|	|	|	|
87+30	0.0000	0.75	Q	|	|	|	|	92+40	0.0000	0.73	Q	|	|	|	|
87+35	0.0000	0.75	Q	|	|	|	|	92+45	0.0000	0.73	Q	|	|	|	|
87+40	0.0000	0.75	Q	|	|	|	|	92+50	0.0000	0.73	Q	|	|	|	|
87+45	0.0000	0.75	Q	|	|	|	|	92+55	0.0000	0.73	Q	|	|	|	|
87+50	0.0000	0.75	Q	|	|	|	|	93+ 0	0.0000	0.73	Q	|	|	|	|
87+55	0.0000	0.75	Q	|	|	|	|	93+ 5	0.0000	0.73	Q	|	|	|	|
88+ 0	0.0000	0.75	Q	|	|	|	|	93+10	0.0000	0.73	Q	|	|	|	|
88+ 5	0.0000	0.75	Q	|	|	|	|	93+15	0.0000	0.73	Q	|	|	|	|
88+10	0.0000	0.75	Q	|	|	|	|	93+20	0.0000	0.73	Q	|	|	|	|
88+15	0.0000	0.75	Q	|	|	|	|	93+25	0.0000	0.73	Q	|	|	|	|
88+20	0.0000	0.75	Q	|	|	|	|	93+30	0.0000	0.73	Q	|	|	|	|
88+25	0.0000	0.75	Q	|	|	|	|	93+35	0.0000	0.73	Q	|	|	|	|
88+30	0.0000	0.75	Q	|	|	|	|	93+40	0.0000	0.73	Q	|	|	|	|
88+35	0.0000	0.75	Q	|	|	|	|	93+45	0.0000	0.73	Q	|	|	|	|
88+40	0.0000	0.75	Q	|	|	|	|	93+50	0.0000	0.73	Q	|	|	|	|
88+45	0.0000	0.75	Q	|	|	|	|	93+55	0.0000	0.73	Q	|	|	|	|
88+50	0.0000	0.75	Q	|	|	|	|	94+ 0	0.0000	0.73	Q	|	|	|	|
88+55	0.0000	0.75	Q	|	|	|	|	94+ 5	0.0000	0.73	Q	|	|	|	|
89+ 0	0.0000	0.75	Q	|	|	|	|	94+10	0.0000	0.73	Q	|	|	|	|
89+ 5	0.0000	0.75	Q	|	|	|	|	94+15	0.0000	0.73	Q	|	|	|	|
89+10	0.0000	0.74	Q	|	|	|	|	94+20	0.0000	0.73	Q	|	|	|	|
89+15	0.0000	0.74	Q	|	|	|	|	94+25	0.0000	0.73	Q	|	|	|	|
89+20	0.0000	0.74	Q	|	|	|	|	94+30	0.0000	0.73	Q	|	|	|	|
89+25	0.0000	0.74	Q	|	|	|	|	94+35	0.0000	0.73	Q	|	|	|	|
89+30	0.0000	0.74	Q	|	|	|	|	94+40	0.0000	0.73	Q	|	|	|	|
89+35	0.0000	0.74	Q	|	|	|	|	94+45	0.0000	0.73	Q	|	|	|	|
89+40	0.0000	0.74	Q	|	|	|	|	94+50	0.0000	0.73	Q	|	|	|	|
89+45	0.0000	0.74	Q	|	|	|	|	94+55	0.0000	0.73	Q	|	|	|	|
89+50	0.0000	0.74	Q	|	|	|	|	95+ 0	0.0000	0.73	Q	|	|	|	|
89+55	0.0000	0.74	Q	|	|	|	|	95+ 5	0.0000	0.73	Q	|	|	|	|
90+ 0	0.0000	0.74	Q	|	|	|	|	95+10	0.0000	0.73	Q	|	|	|	|
90+ 5	0.0000	0.74	Q	|	|	|	|	95+15	0.0000	0.73	Q	|	|	|	|
90+10	0.0000	0.74	Q	|	|	|	|	95+20	0.0000	0.73	Q	|	|	|	|
90+15	0.0000	0.74	Q	|	|	|	|	95+25	0.0000	0.73	Q	|	|	|	|
90+20	0.0000	0.74	Q	|	|	|	|	95+30	0.0000	0.73	Q	|	|	|	|
90+25	0.0000	0.74	Q	|	|	|	|	95+35	0.0000	0.73	Q	|	|	|	|
90+30	0.0000	0.74	Q	|	|	|	|	95+40	0.0000	0.72	Q	|	|	|	|
90+35	0.0000	0.74	Q	|	|	|	|	95+45	0.0000	0.72	Q	|	|	|	|
90+40	0.0000	0.74	Q	|	|	|	|	95+50	0.0000	0.72	Q	|	|	|	|
90+45	0.0000	0.74	Q	|	|	|	|	95+55	0.0000	0.72	Q	|	|	|	|
90+50	0.0000	0.74	Q	|	|	|	|	96+ 0	0.0000	0.72	Q	|	|	|	|

96+ 5	0.0000	0.72	Q	|	|	|	|	101+15	0.0000	0.71	Q	|	|	|	|
96+10	0.0000	0.72	Q	|	|	|	|	101+20	0.0000	0.71	Q	|	|	|	|
96+15	0.0000	0.72	Q	|	|	|	|	101+25	0.0000	0.71	Q	|	|	|	|
96+20	0.0000	0.72	Q	|	|	|	|	101+30	0.0000	0.71	Q	|	|	|	|
96+25	0.0000	0.72	Q	|	|	|	|	101+35	0.0000	0.71	Q	|	|	|	|
96+30	0.0000	0.72	Q	|	|	|	|	101+40	0.0000	0.71	Q	|	|	|	|
96+35	0.0000	0.72	Q	|	|	|	|	101+45	0.0000	0.71	Q	|	|	|	|
96+40	0.0000	0.72	Q	|	|	|	|	101+50	0.0000	0.71	Q	|	|	|	|
96+45	0.0000	0.72	Q	|	|	|	|	101+55	0.0000	0.71	Q	|	|	|	|
96+50	0.0000	0.72	Q	|	|	|	|	102+ 0	0.0000	0.71	Q	|	|	|	|
96+55	0.0000	0.72	Q	|	|	|	|	102+ 5	0.0000	0.71	Q	|	|	|	|
97+ 0	0.0000	0.72	Q	|	|	|	|	102+10	0.0000	0.71	Q	|	|	|	|
97+ 5	0.0000	0.72	Q	|	|	|	|	102+15	0.0000	0.70	Q	|	|	|	|
97+10	0.0000	0.72	Q	|	|	|	|	102+20	0.0000	0.70	Q	|	|	|	|
97+15	0.0000	0.72	Q	|	|	|	|	102+25	0.0000	0.70	Q	|	|	|	|
97+20	0.0000	0.72	Q	|	|	|	|	102+30	0.0000	0.70	Q	|	|	|	|
97+25	0.0000	0.72	Q	|	|	|	|	102+35	0.0000	0.70	Q	|	|	|	|
97+30	0.0000	0.72	Q	|	|	|	|	102+40	0.0000	0.70	Q	|	|	|	|
97+35	0.0000	0.72	Q	|	|	|	|	102+45	0.0000	0.70	Q	|	|	|	|
97+40	0.0000	0.72	Q	|	|	|	|	102+50	0.0000	0.70	Q	|	|	|	|
97+45	0.0000	0.72	Q	|	|	|	|	102+55	0.0000	0.70	Q	|	|	|	|
97+50	0.0000	0.72	Q	|	|	|	|	103+ 0	0.0000	0.70	Q	|	|	|	|
97+55	0.0000	0.72	Q	|	|	|	|	103+ 5	0.0000	0.70	Q	|	|	|	|
98+ 0	0.0000	0.72	Q	|	|	|	|	103+10	0.0000	0.70	Q	|	|	|	|
98+ 5	0.0000	0.72	Q	|	|	|	|	103+15	0.0000	0.70	Q	|	|	|	|
98+10	0.0000	0.72	Q	|	|	|	|	103+20	0.0000	0.70	Q	|	|	|	|
98+15	0.0000	0.72	Q	|	|	|	|	103+25	0.0000	0.70	Q	|	|	|	|
98+20	0.0000	0.72	Q	|	|	|	|	103+30	0.0000	0.70	Q	|	|	|	|
98+25	0.0000	0.72	Q	|	|	|	|	103+35	0.0000	0.70	Q	|	|	|	|
98+30	0.0000	0.72	Q	|	|	|	|	103+40	0.0000	0.70	Q	|	|	|	|
98+35	0.0000	0.72	Q	|	|	|	|	103+45	0.0000	0.70	Q	|	|	|	|
98+40	0.0000	0.72	Q	|	|	|	|	103+50	0.0000	0.70	Q	|	|	|	|
98+45	0.0000	0.72	Q	|	|	|	|	103+55	0.0000	0.70	Q	|	|	|	|
98+50	0.0000	0.72	Q	|	|	|	|	104+ 0	0.0000	0.70	Q	|	|	|	|
98+55	0.0000	0.72	Q	|	|	|	|	104+ 5	0.0000	0.70	Q	|	|	|	|
99+ 0	0.0000	0.71	Q	|	|	|	|	104+10	0.0000	0.70	Q	|	|	|	|
99+ 5	0.0000	0.71	Q	|	|	|	|	104+15	0.0000	0.70	Q	|	|	|	|
99+10	0.0000	0.71	Q	|	|	|	|	104+20	0.0000	0.70	Q	|	|	|	|
99+15	0.0000	0.71	Q	|	|	|	|	104+25	0.0000	0.70	Q	|	|	|	|
99+20	0.0000	0.71	Q	|	|	|	|	104+30	0.0000	0.70	Q	|	|	|	|
99+25	0.0000	0.71	Q	|	|	|	|	104+35	0.0000	0.70	Q	|	|	|	|
99+30	0.0000	0.71	Q	|	|	|	|	104+40	0.0000	0.70	Q	|	|	|	|
99+35	0.0000	0.71	Q	|	|	|	|	104+45	0.0000	0.70	Q	|	|	|	|
99+40	0.0000	0.71	Q	|	|	|	|	104+50	0.0000	0.70	Q	|	|	|	|
99+45	0.0000	0.71	Q	|	|	|	|	104+55	0.0000	0.70	Q	|	|	|	|
99+50	0.0000	0.71	Q	|	|	|	|	105+ 0	0.0000	0.70	Q	|	|	|	|
99+55	0.0000	0.71	Q	|	|	|	|	105+ 5	0.0000	0.70	Q	|	|	|	|
100+ 0	0.0000	0.71	Q	|	|	|	|	105+10	0.0000	0.70	Q	|	|	|	|
100+ 5	0.0000	0.71	Q	|	|	|	|	105+15	0.0000	0.70	Q	|	|	|	|
100+10	0.0000	0.71	Q	|	|	|	|	105+20	0.0000	0.69	Q	|	|	|	|
100+15	0.0000	0.71	Q	|	|	|	|	105+25	0.0000	0.69	Q	|	|	|	|
100+20	0.0000	0.71	Q	|	|	|	|	105+30	0.0000	0.69	Q	|	|	|	|
100+25	0.0000	0.71	Q	|	|	|	|	105+35	0.0000	0.69	Q	|	|	|	|
100+30	0.0000	0.71	Q	|	|	|	|	105+40	0.0000	0.69	Q	|	|	|	|
100+35	0.0000	0.71	Q	|	|	|	|	105+45	0.0000	0.69	Q	|	|	|	|
100+40	0.0000	0.71	Q	|	|	|	|	105+50	0.0000	0.69	Q	|	|	|	|
100+45	0.0000	0.71	Q	|	|	|	|	105+55	0.0000	0.69	Q	|	|	|	|
100+50	0.0000	0.71	Q	|	|	|	|	106+ 0	0.0000	0.69	Q	|	|	|	|
100+55	0.0000	0.71	Q	|	|	|	|	106+ 5	0.0000	0.69	Q	|	|	|	|
101+ 0	0.0000	0.71	Q	|	|	|	|	106+10	0.0000	0.69	Q	|	|	|	|
101+ 5	0.0000	0.71	Q	|	|	|	|	106+15	0.0000	0.69	Q	|	|	|	|
101+10	0.0000	0.71	Q	|	|	|	|	106+20	0.0000	0.69	Q	|	|	|	|

106+25	0.0000	0.69	Q	|	|	|	|	111+35	0.0000	0.68	Q	|	|	|	|
106+30	0.0000	0.69	Q	|	|	|	|	111+40	0.0000	0.67	Q	|	|	|	|
106+35	0.0000	0.69	Q	|	|	|	|	111+45	0.0000	0.67	Q	|	|	|	|
106+40	0.0000	0.69	Q	|	|	|	|	111+50	0.0000	0.67	Q	|	|	|	|
106+45	0.0000	0.69	Q	|	|	|	|	111+55	0.0000	0.67	Q	|	|	|	|
106+50	0.0000	0.69	Q	|	|	|	|	112+ 0	0.0000	0.67	Q	|	|	|	|
106+55	0.0000	0.69	Q	|	|	|	|	112+ 5	0.0000	0.67	Q	|	|	|	|
107+ 0	0.0000	0.69	Q	|	|	|	|	112+10	0.0000	0.67	Q	|	|	|	|
107+ 5	0.0000	0.69	Q	|	|	|	|	112+15	0.0000	0.67	Q	|	|	|	|
107+10	0.0000	0.69	Q	|	|	|	|	112+20	0.0000	0.67	Q	|	|	|	|
107+15	0.0000	0.69	Q	|	|	|	|	112+25	0.0000	0.67	Q	|	|	|	|
107+20	0.0000	0.69	Q	|	|	|	|	112+30	0.0000	0.67	Q	|	|	|	|
107+25	0.0000	0.69	Q	|	|	|	|	112+35	0.0000	0.67	Q	|	|	|	|
107+30	0.0000	0.69	Q	|	|	|	|	112+40	0.0000	0.67	Q	|	|	|	|
107+35	0.0000	0.69	Q	|	|	|	|	112+45	0.0000	0.67	Q	|	|	|	|
107+40	0.0000	0.69	Q	|	|	|	|	112+50	0.0000	0.67	Q	|	|	|	|
107+45	0.0000	0.69	Q	|	|	|	|	112+55	0.0000	0.67	Q	|	|	|	|
107+50	0.0000	0.69	Q	|	|	|	|	113+ 0	0.0000	0.67	Q	|	|	|	|
107+55	0.0000	0.69	Q	|	|	|	|	113+ 5	0.0000	0.67	Q	|	|	|	|
108+ 0	0.0000	0.69	Q	|	|	|	|	113+10	0.0000	0.67	Q	|	|	|	|
108+ 5	0.0000	0.69	Q	|	|	|	|	113+15	0.0000	0.67	Q	|	|	|	|
108+10	0.0000	0.69	Q	|	|	|	|	113+20	0.0000	0.67	Q	|	|	|	|
108+15	0.0000	0.69	Q	|	|	|	|	113+25	0.0000	0.67	Q	|	|	|	|
108+20	0.0000	0.69	Q	|	|	|	|	113+30	0.0000	0.67	Q	|	|	|	|
108+25	0.0000	0.69	Q	|	|	|	|	113+35	0.0000	0.67	Q	|	|	|	|
108+30	0.0000	0.68	Q	|	|	|	|	113+40	0.0000	0.67	Q	|	|	|	|
108+35	0.0000	0.68	Q	|	|	|	|	113+45	0.0000	0.67	Q	|	|	|	|
108+40	0.0000	0.68	Q	|	|	|	|	113+50	0.0000	0.67	Q	|	|	|	|
108+45	0.0000	0.68	Q	|	|	|	|	113+55	0.0000	0.67	Q	|	|	|	|
108+50	0.0000	0.68	Q	|	|	|	|	114+ 0	0.0000	0.67	Q	|	|	|	|
108+55	0.0000	0.68	Q	|	|	|	|	114+ 5	0.0000	0.67	Q	|	|	|	|
109+ 0	0.0000	0.68	Q	|	|	|	|	114+10	0.0000	0.67	Q	|	|	|	|
109+ 5	0.0000	0.68	Q	|	|	|	|	114+15	0.0000	0.67	Q	|	|	|	|
109+10	0.0000	0.68	Q	|	|	|	|	114+20	0.0000	0.67	Q	|	|	|	|
109+15	0.0000	0.68	Q	|	|	|	|	114+25	0.0000	0.67	Q	|	|	|	|
109+20	0.0000	0.68	Q	|	|	|	|	114+30	0.0000	0.67	Q	|	|	|	|
109+25	0.0000	0.68	Q	|	|	|	|	114+35	0.0000	0.67	Q	|	|	|	|
109+30	0.0000	0.68	Q	|	|	|	|	114+40	0.0000	0.67	Q	|	|	|	|
109+35	0.0000	0.68	Q	|	|	|	|	114+45	0.0000	0.67	Q	|	|	|	|
109+40	0.0000	0.68	Q	|	|	|	|	114+50	0.0000	0.67	Q	|	|	|	|
109+45	0.0000	0.68	Q	|	|	|	|	114+55	0.0000	0.66	Q	|	|	|	|
109+50	0.0000	0.68	Q	|	|	|	|	115+ 0	0.0000	0.66	Q	|	|	|	|
109+55	0.0000	0.68	Q	|	|	|	|	115+ 5	0.0000	0.66	Q	|	|	|	|
110+ 0	0.0000	0.68	Q	|	|	|	|	115+10	0.0000	0.66	Q	|	|	|	|
110+ 5	0.0000	0.68	Q	|	|	|	|	115+15	0.0000	0.66	Q	|	|	|	|
110+10	0.0000	0.68	Q	|	|	|	|	115+20	0.0000	0.66	Q	|	|	|	|
110+15	0.0000	0.68	Q	|	|	|	|	115+25	0.0000	0.66	Q	|	|	|	|
110+20	0.0000	0.68	Q	|	|	|	|	115+30	0.0000	0.66	Q	|	|	|	|
110+25	0.0000	0.68	Q	|	|	|	|	115+35	0.0000	0.66	Q	|	|	|	|
110+30	0.0000	0.68	Q	|	|	|	|	115+40	0.0000	0.66	Q	|	|	|	|
110+35	0.0000	0.68	Q	|	|	|	|	115+45	0.0000	0.66	Q	|	|	|	|
110+40	0.0000	0.68	Q	|	|	|	|	115+50	0.0000	0.66	Q	|	|	|	|
110+45	0.0000	0.68	Q	|	|	|	|	115+55	0.0000	0.66	Q	|	|	|	|
110+50	0.0000	0.68	Q	|	|	|	|	116+ 0	0.0000	0.66	Q	|	|	|	|
110+55	0.0000	0.68	Q	|	|	|	|	116+ 5	0.0000	0.66	Q	|	|	|	|
111+ 0	0.0000	0.68	Q	|	|	|	|	116+10	0.0000	0.66	Q	|	|	|	|
111+ 5	0.0000	0.68	Q	|	|	|	|	116+15	0.0000	0.66	Q	|	|	|	|
111+10	0.0000	0.68	Q	|	|	|	|	116+20	0.0000	0.66	Q	|	|	|	|
111+15	0.0000	0.68	Q	|	|	|	|	116+25	0.0000	0.66	Q	|	|	|	|
111+20	0.0000	0.68	Q	|	|	|	|	116+30	0.0000	0.66	Q	|	|	|	|
111+25	0.0000	0.68	Q	|	|	|	|	116+35	0.0000	0.66	Q	|	|	|	|
111+30	0.0000	0.68	Q	|	|	|	|	116+40	0.0000	0.66	Q	|	|	|	|

116+45	0.0000	0.66	Q				
116+50	0.0000	0.66	Q				
116+55	0.0000	0.66	Q				
117+ 0	0.0000	0.66	Q				
117+ 5	0.0000	0.66	Q				
117+10	0.0000	0.66	Q				
117+15	0.0000	0.66	Q				
117+20	0.0000	0.66	Q				
117+25	0.0000	0.66	Q				
117+30	0.0000	0.66	Q				
117+35	0.0000	0.66	Q				
117+40	0.0000	0.66	Q				
117+45	0.0000	0.65	Q				
117+50	0.0000	0.65	Q				
117+55	0.0000	0.65	Q				
118+ 0	0.0000	0.65	Q				
118+ 5	0.0000	0.65	Q				
118+10	0.0000	0.65	Q				
118+15	0.0000	0.65	Q				
118+20	0.0000	0.65	Q				
118+25	0.0000	0.65	Q				
118+30	0.0000	0.65	Q				
118+35	0.0000	0.65	Q				
118+40	0.0000	0.65	Q				
118+45	0.0000	0.65	Q				
118+50	0.0000	0.65	Q				
118+55	0.0000	0.65	Q				
119+ 0	0.0000	0.65	Q				
119+ 5	0.0000	0.65	Q				
119+10	0.0000	0.65	Q				
119+15	0.0000	0.65	Q				
119+20	0.0000	0.65	Q				
119+25	0.0000	0.65	Q				
119+30	0.0000	0.65	Q				
119+35	0.0000	0.65	Q				
119+40	0.0000	0.65	Q				
119+45	0.0000	0.65	Q				
119+50	0.0000	0.65	Q				
119+55	0.0000	0.65	Q				
120+ 0	0.0000	0.65	Q				
120+ 5	0.0000	0.65	Q				
120+10	0.0000	0.65	Q				
120+15	0.0000	0.64	Q				
120+20	0.0000	0.64	Q				
120+25	0.0000	0.64	Q				
120+30	0.0000	0.64	Q				
120+35	0.0000	0.64	Q				
120+40	0.0000	0.64	Q				
120+45	0.0000	0.64	Q				
120+50	0.0000	0.64	Q				
120+55	0.0000	0.64	Q				
121+ 0	0.0000	0.64	Q				
121+ 5	0.0000	0.64	Q				
121+10	0.0000	0.64	Q				
121+15	0.0000	0.64	Q				
121+20	0.0000	0.64	Q				
121+25	0.0000	0.64	Q				
121+30	0.0000	0.64	Q				
121+35	0.0000	0.64	Q				
121+40	0.0000	0.64	Q				
121+45	0.0000	0.64	Q				
121+50	0.0000	0.64	Q				
121+55	0.0000	0.64	Q				
122+ 0	0.0000	0.64	Q				
122+ 5	0.0000	0.64	Q				
122+10	0.0000	0.64	Q				
122+15	0.0000	0.64	Q				
122+20	0.0000	0.64	Q				
122+25	0.0000	0.64	Q				
122+30	0.0000	0.64	Q				
122+35	0.0000	0.64	Q				
122+40	0.0000	0.64	Q				
122+45	0.0000	0.64	Q				
122+50	0.0000	0.63	Q				
122+55	0.0000	0.63	Q				
123+ 0	0.0000	0.63	Q				
123+ 5	0.0000	0.63	Q				
123+10	0.0000	0.63	Q				
123+15	0.0000	0.63	Q				
123+20	0.0000	0.63	Q				
123+25	0.0000	0.63	Q				
123+30	0.0000	0.63	Q				
123+35	0.0000	0.63	Q				
123+40	0.0000	0.63	Q				
123+45	0.0000	0.63	Q				
123+50	0.0000	0.63	Q				
123+55	0.0000	0.63	Q				
124+ 0	0.0000	0.63	Q				
124+ 5	0.0000	0.63	Q				
124+10	0.0000	0.63	Q				
124+15	0.0000	0.63	Q				
124+20	0.0000	0.63	Q				
124+25	0.0000	0.63	Q				
124+30	0.0000	0.63	Q				
124+35	0.0000	0.63	Q				
124+40	0.0000	0.63	Q				
124+45	0.0000	0.63	Q				
124+50	0.0000	0.63	Q				
124+55	0.0000	0.63	Q				
125+ 0	0.0000	0.63	Q				
125+ 5	0.0000	0.63	Q				
125+10	0.0000	0.63	Q				
125+15	0.0000	0.63	Q				
125+20	0.0000	0.62	Q				
125+25	0.0000	0.62	Q				
125+30	0.0000	0.62	Q				
125+35	0.0000	0.62	Q				
125+40	0.0000	0.62	Q				
125+45	0.0000	0.62	Q				
125+50	0.0000	0.62	Q				
125+55	0.0000	0.62	Q				
126+ 0	0.0000	0.62	Q				
126+ 5	0.0000	0.62	Q				
126+10	0.0000	0.62	Q				
126+15	0.0000	0.62	Q				
126+20	0.0000	0.62	Q				
126+25	0.0000	0.62	Q				
126+30	0.0000	0.62	Q				
126+35	0.0000	0.62	Q				
126+40	0.0000	0.62	Q				
126+45	0.0000	0.62	Q				
126+50	0.0000	0.62	Q				
126+55	0.0000	0.62	Q				
127+ 0	0.0000	0.62	Q				

127+ 5	0.0000	0.62	Q				
127+10	0.0000	0.62	Q				
127+15	0.0000	0.62	Q				
127+20	0.0000	0.62	Q				
127+25	0.0000	0.62	Q				
127+30	0.0000	0.62	Q				
127+35	0.0000	0.62	Q				
127+40	0.0000	0.62	Q				
127+45	0.0000	0.62	Q				
127+50	0.0000	0.62	Q				
127+55	0.0000	0.61	Q				
128+ 0	0.0000	0.61	Q				
128+ 5	0.0000	0.61	Q				
128+10	0.0000	0.61	Q				
128+15	0.0000	0.61	Q				
128+20	0.0000	0.61	Q				
128+25	0.0000	0.61	Q				
128+30	0.0000	0.61	Q				
128+35	0.0000	0.61	Q				
128+40	0.0000	0.61	Q				
128+45	0.0000	0.61	Q				
128+50	0.0000	0.61	Q				
128+55	0.0000	0.61	Q				
129+ 0	0.0000	0.61	Q				
129+ 5	0.0000	0.61	Q				
129+10	0.0000	0.61	Q				
129+15	0.0000	0.61	Q				
129+20	0.0000	0.61	Q				
129+25	0.0000	0.61	Q				
129+30	0.0000	0.61	Q				
129+35	0.0000	0.61	Q				
129+40	0.0000	0.61	Q				
129+45	0.0000	0.61	Q				
129+50	0.0000	0.61	Q				
129+55	0.0000	0.61	Q				
130+ 0	0.0000	0.61	Q				
130+ 5	0.0000	0.61	Q				
130+10	0.0000	0.61	Q				
130+15	0.0000	0.61	Q				
130+20	0.0000	0.61	Q				
130+25	0.0000	0.61	Q				
130+30	0.0000	0.61	Q				
130+35	0.0000	0.60	Q				
130+40	0.0000	0.60	Q				
130+45	0.0000	0.60	Q				
130+50	0.0000	0.60	Q				
130+55	0.0000	0.60	Q				
131+ 0	0.0000	0.60	Q				
131+ 5	0.0000	0.60	Q				
131+10	0.0000	0.60	Q				
131+15	0.0000	0.60	Q				
131+20	0.0000	0.60	Q				
131+25	0.0000	0.60	Q				
131+30	0.0000	0.60	Q				
131+35	0.0000	0.60	Q				
131+40	0.0000	0.60	Q				
131+45	0.0000	0.60	Q				
131+50	0.0000	0.60	Q				
131+55	0.0000	0.60	Q				
132+ 0	0.0000	0.60	Q				
132+ 5	0.0000	0.60	Q				
132+10	0.0000	0.60	Q				
132+15	0.0000	0.60	Q				
132+20	0.0000	0.60	Q				
132+25	0.0000	0.60	Q				
132+30	0.0000	0.60	Q				
132+35	0.0000	0.60	Q				
132+40	0.0000	0.60	Q				
132+45	0.0000	0.60	Q				
132+50	0.0000	0.60	Q				
132+55	0.0000	0.60	Q				
133+ 0	0.0000	0.59	Q				
133+ 5	0.0000	0.59	Q				
133+10	0.0000	0.59	Q				
133+15	0.0000	0.59	Q				
133+20	0.0000	0.59	Q				
133+25	0.0000	0.59	Q				
133+30	0.0000	0.59	Q				
133+35	0.0000	0.59	Q				
133+40	0.0000	0.59	Q				
133+45	0.0000	0.59	Q				
133+50	0.0000	0.59	Q				
133+55	0.0000	0.59	Q				
134+ 0	0.0000	0.59	Q				
134+ 5	0.0000	0.59	Q				
134+10	0.0000	0.59	Q				
134+15	0.0000	0.59	Q				
134+20	0.0000	0.59	Q				
134+25	0.0000	0.59	Q				
134+30	0.0000	0.59	Q				
134+35	0.0000	0.59	Q				
134+40	0.0000	0.59	Q				
134+45	0.0000	0.59	Q				
134+50	0.0000	0.59	Q				
134+55	0.0000	0.59	Q				
135+ 0	0.0000	0.59	Q				
135+ 5	0.0000	0.58	Q				
135+10	0.0000	0.58	Q				
135+15	0.0000	0.58	Q				
135+20	0.0000	0.58	Q				
135+25	0.0000	0.58	Q				
135+30	0.0000	0.58	Q				
135+35	0.0000	0.58	Q				
135+40	0.0000	0.58	Q				
135+45	0.0000	0.58	Q				
135+50	0.0000	0.58	Q				
135+55	0.0000	0.58	Q				
136+ 0	0.0000	0.58	Q				
136+ 5	0.0000	0.58	Q				
136+10	0.0000	0.58	Q				
136+15	0.0000	0.58	Q				
136+20	0.0000	0.58	Q				
136+25	0.0000	0.58	Q				
136+30	0.0000	0.58	Q				
136+35	0.0000	0.58	Q				
136+40	0.0000	0.58	Q				
136+45	0.0000	0.58	Q				
136+50	0.0000	0.58	Q				
136+55	0.0000	0.58	Q				
137+ 0	0.0000	0.58	Q				
137+ 5	0.0000	0.58	Q				
137+10	0.0000	0.57	Q				
137+15	0.0000	0.57	Q				
137+20	0.0000	0.57	Q				

137+25	0.0000	0.57	Q	|	|	|	|
137+30	0.0000	0.57	Q	|	|	|	|
137+35	0.0000	0.57	Q	|	|	|	|
137+40	0.0000	0.57	Q	|	|	|	|
137+45	0.0000	0.57	Q	|	|	|	|
137+50	0.0000	0.57	Q	|	|	|	|
137+55	0.0000	0.57	Q	|	|	|	|
138+ 0	0.0000	0.57	Q	|	|	|	|
138+ 5	0.0000	0.57	Q	|	|	|	|
138+10	0.0000	0.57	Q	|	|	|	|
138+15	0.0000	0.57	Q	|	|	|	|
138+20	0.0000	0.57	Q	|	|	|	|
138+25	0.0000	0.57	Q	|	|	|	|
138+30	0.0000	0.57	Q	|	|	|	|
138+35	0.0000	0.57	Q	|	|	|	|
138+40	0.0000	0.57	Q	|	|	|	|
138+45	0.0000	0.57	Q	|	|	|	|
138+50	0.0000	0.57	Q	|	|	|	|
138+55	0.0000	0.57	Q	|	|	|	|
139+ 0	0.0000	0.57	Q	|	|	|	|
139+ 5	0.0000	0.57	Q	|	|	|	|
139+10	0.0000	0.57	Q	|	|	|	|
139+15	0.0000	0.57	Q	|	|	|	|
139+20	0.0000	0.56	Q	|	|	|	|
139+25	0.0000	0.56	Q	|	|	|	|
139+30	0.0000	0.56	Q	|	|	|	|
139+35	0.0000	0.56	Q	|	|	|	|
139+40	0.0000	0.56	Q	|	|	|	|
139+45	0.0000	0.56	Q	|	|	|	|
139+50	0.0000	0.56	Q	|	|	|	|
139+55	0.0000	0.56	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 3603
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 33.950 (CFS)
Total volume = 33.313 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 9.200 to Point/Station 9.500
**** STREAM ROUTING SCS CONVEX METHOD ****

HYDROGRAPH STREAM ROUTING DATA:
Length of stream = 182.00 (Ft.)
Elevation difference = 50.00 (Ft.)
Slope of channel = 0.274725 (Vert/Horiz)
Channel type - Pipe

Pipe length = 182.00(Ft.) Elevation difference = 50.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow = 10.935(CFS)
Given pipe size = 36.00(In.)
Calculated individual pipe flow = 10.935(CFS)
Normal flow depth in pipe = 4.37(In.)
Flow top width inside pipe = 23.50(In.)
Critical Depth = 1.05(Ft.)
Pipe flow velocity = 22.40(Ft/s)
Travel time through pipe = 0.14 min.

Pipe length = 182.00(Ft.) Elevation difference = 50.00(Ft.)
Manning's N = 0.013 No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow = 33.950(CFS)
Given pipe size = 36.00(In.)
Calculated individual pipe flow = 33.950(CFS)
Normal flow depth in pipe = 7.58(In.)
Flow top width inside pipe = 29.35(In.)
Critical Depth = 1.89(Ft.)
Pipe flow velocity = 31.35(Ft/s)
Travel time through pipe = 0.10 min.

********** SCS CONVEX CHANNEL ROUTING **********
Convex method of stream routing data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
where c* = 1 - (1-c)^e and dt = c(length)/velocity
c(v/v+1.7) = 0.9486 Travel time = 0.10 (min.)
dt*(unit time interval) = 5.00(min.), e= 36.6529
dt(routing time-step) = 0.09 (min.), c* = 1.0000

Output hydrograph delayed by 0 unit time increments

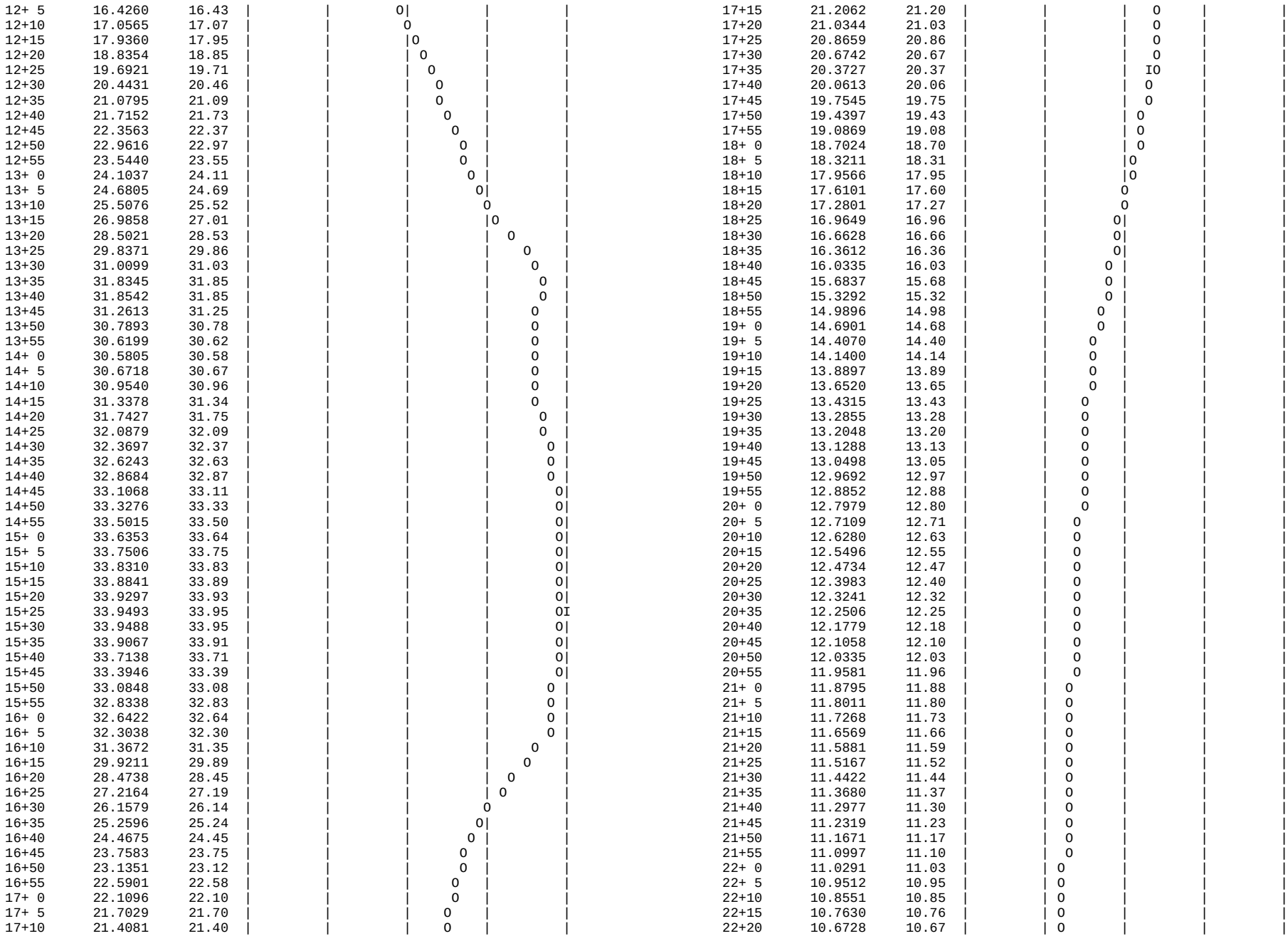
++

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Out = O(CFS)	In = I	0	8.5	17.0	25.5	33.9
0+ 5	0.0041	0.00	O	|	|	|	|
0+10	0.0222	0.02	O	|	|	|	|
0+15	0.0543	0.05	O	|	|	|	|
0+20	0.0932	0.09	O	|	|	|	|
0+25	0.1394	0.14	O	|	|	|	|
0+30	0.1919	0.19	O	|	|	|	|
0+35	0.2458	0.25	O	|	|	|	|
0+40	0.2988	0.30	O	|	|	|	|
0+45	0.3504	0.35	O	|	|	|	|
0+50	0.4025	0.40	O	|	|	|	|
0+55	0.4420	0.44	O	|	|	|	|
1+ 0	0.4785	0.48	O	|	|	|	|
1+ 5	0.5146	0.52	O	|	|	|	|
1+10	0.5469	0.55	O	|	|	|	|
1+15	0.5750	0.58	O	|	|	|	|
1+20	0.6014	0.60	O	|	|	|	|
1+25	0.6272	0.63	O	|	|	|	|
1+30	0.6525	0.65	O	|	|	|	|
1+35	0.6776	0.68	O	|	|	|	|
1+40	0.7024	0.70	O	|	|	|	|

1+45	0.7175	0.72	O					6+55	1.6068	1.61	O								
1+50	0.7306	0.73	O					7+ 0	1.6202	1.62	O								
1+55	0.7454	0.75	O					7+ 5	1.6333	1.63	O								
2+ 0	0.7621	0.76	O					7+10	1.6459	1.65	O								
2+ 5	0.7795	0.78	O					7+15	1.6585	1.66	O								
2+10	0.7970	0.80	O					7+20	1.6713	1.67	O								
2+15	0.8144	0.81	O					7+25	1.6838	1.68	O								
2+20	0.8317	0.83	O					7+30	1.6965	1.70	O								
2+25	0.8489	0.85	O					7+35	1.7095	1.71	O								
2+30	0.8660	0.87	O					7+40	1.7231	1.72	O								
2+35	0.8836	0.88	O					7+45	1.7361	1.74	O								
2+40	0.9002	0.90	O					7+50	1.7489	1.75	O								
2+45	0.9178	0.92	O					7+55	1.7622	1.76	O								
2+50	0.9358	0.94	O					8+ 0	1.7761	1.78	O								
2+55	0.9539	0.95	O					8+ 5	1.7904	1.79	O								
3+ 0	0.9720	0.97	O					8+10	1.8058	1.81	O								
3+ 5	0.9882	0.99	O					8+15	1.8211	1.82	O								
3+10	1.0029	1.00	O					8+20	1.8364	1.84	O								
3+15	1.0174	1.02	O					8+25	1.8518	1.85	O								
3+20	1.0317	1.03	O					8+30	1.8672	1.87	O								
3+25	1.0448	1.05	O					8+35	1.8828	1.88	O								
3+30	1.0571	1.06	O					8+40	1.8981	1.90	O								
3+35	1.0691	1.07	O					8+45	1.9123	1.91	O								
3+40	1.0812	1.08	O					8+50	1.9258	1.93	O								
3+45	1.0931	1.09	O					8+55	1.9385	1.94	O								
3+50	1.1054	1.11	O					9+ 0	1.9514	1.95	O								
3+55	1.1187	1.12	O					9+ 5	1.9646	1.96	O								
4+ 0	1.1331	1.13	O					9+10	1.9795	1.98	O								
4+ 5	1.1480	1.15	O					9+15	1.9953	2.00	O								
4+10	1.1629	1.16	O					9+20	2.0115	2.01	O								
4+15	1.1771	1.18	O					9+25	2.0283	2.03	O								
4+20	1.1913	1.19	O					9+30	2.0459	2.05	O								
4+25	1.2064	1.21	O					9+35	2.0617	2.06	O								
4+30	1.2225	1.22	O					9+40	2.0773	2.08	O								
4+35	1.2390	1.24	O					9+45	2.0932	2.09	O								
4+40	1.2556	1.26	O					9+50	2.1093	2.11	O								
4+45	1.2721	1.27	O					9+55	2.1260	2.13	O								
4+50	1.2889	1.29	O					10+ 0	2.1427	2.14	O								
4+55	1.3056	1.31	O					10+ 5	2.1582	2.16	O								
5+ 0	1.3210	1.32	O					10+10	2.1715	2.17	O								
5+ 5	1.3358	1.34	O					10+15	2.1826	2.18	O								
5+10	1.3491	1.35	O					10+20	2.1928	2.19	O								
5+15	1.3607	1.36	O					10+25	2.2028	2.20	O								
5+20	1.3718	1.37	O					10+30	2.9506	2.96	O								
5+25	1.3823	1.38	O					10+35	3.9714	3.99	O								
5+30	1.3930	1.39	O					10+40	5.0157	5.03	O								
5+35	1.4042	1.40	O					10+45	6.3974	6.42	O								
5+40	1.4161	1.42	O					10+50	7.8923	7.92	O								
5+45	1.4282	1.43	O					10+55	9.2379	9.26	O								
5+50	1.4403	1.44	O					11+ 0	10.4244	10.45	O								
5+55	1.4524	1.45	O					11+ 5	11.4629	11.48	O								
6+ 0	1.4646	1.46	O					11+10	12.3431	12.36	O								
6+ 5	1.4770	1.48	O					11+15	13.0920	13.11	O								
6+10	1.4900	1.49	O					11+20	13.7647	13.78	O								
6+15	1.5038	1.50	O					11+25	14.3889	14.40	O								
6+20	1.5179	1.52	O					11+30	14.9392	14.95	O								
6+25	1.5314	1.53	O					11+35	15.2666	15.27	O								
6+30	1.5431	1.54	O					11+40	15.4697	15.47	O								
6+35	1.5548	1.55	O					11+45	15.5861	15.59	O								
6+40	1.5671	1.57	O					11+50	15.7007	15.70	O								
6+45	1.5801	1.58	O					11+55	15.8714	15.87	O								
6+50	1.5934	1.59	O					12+ 0	16.0946	16.10	O								



| | | |

22+25	10.5790	10.58	|	| O	|	|	|		27+35	2.8346	2.83	| O	|	|	|	|	
22+30	10.4810	10.48	|	| O	|	|	|		27+40	2.7604	2.76	| O	|	|	|	|	
22+35	10.3823	10.38	|	| O	|	|	|		27+45	2.6881	2.69	| O	|	|	|	|	
22+40	10.2844	10.28	|	| O	|	|	|		27+50	2.6178	2.62	| O	|	|	|	|	
22+45	10.1876	10.19	|	| O	|	|	|		27+55	2.5493	2.55	| O	|	|	|	|	
22+50	10.0921	10.09	|	|O	|	|	|		28+ 0	2.4825	2.48	| O	|	|	|	|	
22+55	9.9979	10.00	|	|O	|	|	|		28+ 5	2.4175	2.42	| O	|	|	|	|	
23+ 0	9.9050	9.90	|	|O	|	|	|		28+10	2.3543	2.35	| O	|	|	|	|	
23+ 5	9.8135	9.81	|	|O	|	|	|		28+15	2.2926	2.29	| O	|	|	|	|	
23+10	9.7232	9.72	|	|O	|	|	|		28+20	2.2326	2.23	| O	|	|	|	|	
23+15	9.6343	9.63	|	|O	|	|	|		28+25	2.1742	2.17	| O	|	|	|	|	
23+20	9.5465	9.54	|	|O	|	|	|		28+30	2.1173	2.12	| O	|	|	|	|	
23+25	9.4600	9.46	|	|O	|	|	|		28+35	2.0619	2.06	| O	|	|	|	|	
23+30	9.3747	9.37	|	|O	|	|	|		28+40	2.0079	2.01	| O	|	|	|	|	
23+35	9.2906	9.29	|	O	|	|	|		28+45	1.9553	1.95	| O	|	|	|	|	
23+40	9.2078	9.21	|	O	|	|	|		28+50	1.9042	1.90	| O	|	|	|	|	
23+45	9.1260	9.12	|	O	|	|	|		28+55	1.8543	1.85	| O	|	|	|	|	
23+50	9.0454	9.04	|	O	|	|	|		29+ 0	1.8058	1.80	| O	|	|	|	|	
23+55	8.9660	8.96	|	O	|	|	|		29+ 5	1.7585	1.76	| O	|	|	|	|	
24+ 0	8.8877	8.89	|	O	|	|	|		29+10	1.7125	1.71	| O	|	|	|	|	
24+ 5	8.8076	8.81	|	O	|	|	|		29+15	1.6677	1.67	|O	|	|	|	|	
24+10	8.7176	8.72	|	O	|	|	|		29+20	1.6240	1.62	|O	|	|	|	|	
24+15	8.6174	8.62	|	O	|	|	|		29+25	1.5815	1.58	|O	|	|	|	|	
24+20	8.5143	8.51	|	O	|	|	|		29+30	1.5401	1.54	|O	|	|	|	|	
24+25	8.4113	8.41	|	O|	|	|	|		29+35	1.4998	1.50	|O	|	|	|	|	
24+30	8.3092	8.31	|	O|	|	|	|		29+40	1.4605	1.46	|O	|	|	|	|	
24+35	8.2085	8.21	|	O|	|	|	|		29+45	1.4223	1.42	|O	|	|	|	|	
24+40	8.1091	8.11	|	O|	|	|	|		29+50	1.3851	1.38	|O	|	|	|	|	
24+45	8.0111	8.01	|	O|	|	|	|		29+55	1.3488	1.35	|O	|	|	|	|	
24+50	7.9145	7.91	|	O|	|	|	|		30+ 0	1.3135	1.31	|O	|	|	|	|	
24+55	7.8192	7.82	|	O|	|	|	|		30+ 5	1.2791	1.28	|O	|	|	|	|	
25+ 0	7.7253	7.72	|	O|	|	|	|		30+10	1.2457	1.25	|O	|	|	|	|	
25+ 5	6.3044	6.28	| O	|	|	|	|		30+15	1.2131	1.21	|O	|	|	|	|	
25+10	6.1170	6.11	| O	|	|	|	|		30+20	1.1813	1.18	|O	|	|	|	|	
25+15	5.9569	5.95	| O	|	|	|	|		30+25	1.1504	1.15	|O	|	|	|	|	
25+20	5.8010	5.80	| O	|	|	|	|		30+30	1.1203	1.12	|O	|	|	|	|	
25+25	5.6491	5.65	| O	|	|	|	|		30+35	1.0910	1.09	|O	|	|	|	|	
25+30	5.5013	5.50	| O	|	|	|	|		30+40	1.0624	1.06	|O	|	|	|	|	
25+35	5.3573	5.35	| O	|	|	|	|		30+45	1.0346	1.03	|O	|	|	|	|	
25+40	5.2171	5.21	| O	|	|	|	|		30+50	1.0075	1.01	|O	|	|	|	|	
25+45	5.0805	5.08	| O	|	|	|	|		30+55	0.9811	0.98	|O	|	|	|	|	
25+50	4.9475	4.95	| O	|	|	|	|		31+ 0	0.9555	0.95	|O	|	|	|	|	
25+55	4.8180	4.82	| O	|	|	|	|		31+ 5	0.9304	0.93	|O	|	|	|	|	
26+ 0	4.6919	4.69	| O	|	|	|	|		31+10	0.9061	0.91	|O	|	|	|	|	
26+ 5	4.5691	4.57	| O	|	|	|	|		31+15	0.8915	0.89	|O	|	|	|	|	
26+10	4.4495	4.45	| O	|	|	|	|		31+20	0.8898	0.89	|O	|	|	|	|	
26+15	4.3330	4.33	| O	|	|	|	|		31+25	0.8896	0.89	|O	|	|	|	|	
26+20	4.2196	4.22	| O	|	|	|	|		31+30	0.8894	0.89	|O	|	|	|	|	
26+25	4.1092	4.11	| O	|	|	|	|		31+35	0.8892	0.89	|O	|	|	|	|	
26+30	4.0016	4.00	| O	|	|	|	|		31+40	0.8890	0.89	|O	|	|	|	|	
26+35	3.8969	3.89	| O	|	|	|	|		31+45	0.8888	0.89	|O	|	|	|	|	
26+40	3.7949	3.79	| O	|	|	|	|		31+50	0.8886	0.89	|O	|	|	|	|	
26+45	3.6955	3.69	| O	|	|	|	|		31+55	0.8885	0.89	|O	|	|	|	|	
26+50	3.5988	3.60	| O	|	|	|	|		32+ 0	0.8883	0.89	|O	|	|	|	|	
26+55	3.5046	3.50	| O	|	|	|	|		32+ 5	0.8881	0.89	|O	|	|	|	|	
27+ 0	3.4129	3.41	| O	|	|	|	|		32+10	0.8879	0.89	|O	|	|	|	|	
27+ 5	3.3236	3.32	| O	|	|	|	|		32+15	0.8877	0.89	|O	|	|	|	|	
27+10	3.2366	3.23	| O	|	|	|	|		32+20	0.8875	0.89	|O	|	|	|	|	
27+15	3.1518	3.15	| O	|	|	|	|		32+25	0.8873	0.89	|O	|	|	|	|	
27+20	3.0693	3.07	| O	|	|	|	|		32+30	0.8872	0.89	|O	|	|	|	|	
27+25	2.9890	2.99	| O	|	|	|	|		32+35	0.8870	0.89	|O	|	|	|	|	
27+30	2.9108	2.91	| O	|	|	|	|		32+40	0.8868	0.89	|O	|	|	|	|	

32+45	0.8866	0.89	|O	|	|	|	|	37+55	0.8752	0.88	|O	|	|	|	|
32+50	0.8864	0.89	|O	|	|	|	|	38+ 0	0.8750	0.87	|O	|	|	|	|
32+55	0.8862	0.89	|O	|	|	|	|	38+ 5	0.8748	0.87	|O	|	|	|	|
33+ 0	0.8860	0.89	|O	|	|	|	|	38+10	0.8746	0.87	|O	|	|	|	|
33+ 5	0.8859	0.89	|O	|	|	|	|	38+15	0.8745	0.87	|O	|	|	|	|
33+10	0.8857	0.89	|O	|	|	|	|	38+20	0.8743	0.87	|O	|	|	|	|
33+15	0.8855	0.89	|O	|	|	|	|	38+25	0.8741	0.87	|O	|	|	|	|
33+20	0.8853	0.89	|O	|	|	|	|	38+30	0.8739	0.87	|O	|	|	|	|
33+25	0.8851	0.89	|O	|	|	|	|	38+35	0.8737	0.87	|O	|	|	|	|
33+30	0.8849	0.88	|O	|	|	|	|	38+40	0.8735	0.87	|O	|	|	|	|
33+35	0.8847	0.88	|O	|	|	|	|	38+45	0.8734	0.87	|O	|	|	|	|
33+40	0.8846	0.88	|O	|	|	|	|	38+50	0.8732	0.87	|O	|	|	|	|
33+45	0.8844	0.88	|O	|	|	|	|	38+55	0.8730	0.87	|O	|	|	|	|
33+50	0.8842	0.88	|O	|	|	|	|	39+ 0	0.8728	0.87	|O	|	|	|	|
33+55	0.8840	0.88	|O	|	|	|	|	39+ 5	0.8726	0.87	|O	|	|	|	|
34+ 0	0.8838	0.88	|O	|	|	|	|	39+10	0.8724	0.87	|O	|	|	|	|
34+ 5	0.8836	0.88	|O	|	|	|	|	39+15	0.8723	0.87	|O	|	|	|	|
34+10	0.8835	0.88	|O	|	|	|	|	39+20	0.8721	0.87	|O	|	|	|	|
34+15	0.8833	0.88	|O	|	|	|	|	39+25	0.8719	0.87	|O	|	|	|	|
34+20	0.8831	0.88	|O	|	|	|	|	39+30	0.8717	0.87	|O	|	|	|	|
34+25	0.8829	0.88	|O	|	|	|	|	39+35	0.8715	0.87	|O	|	|	|	|
34+30	0.8827	0.88	|O	|	|	|	|	39+40	0.8713	0.87	|O	|	|	|	|
34+35	0.8825	0.88	|O	|	|	|	|	39+45	0.8712	0.87	|O	|	|	|	|
34+40	0.8823	0.88	|O	|	|	|	|	39+50	0.8710	0.87	|O	|	|	|	|
34+45	0.8822	0.88	|O	|	|	|	|	39+55	0.8708	0.87	|O	|	|	|	|
34+50	0.8820	0.88	|O	|	|	|	|	40+ 0	0.8706	0.87	|O	|	|	|	|
34+55	0.8818	0.88	|O	|	|	|	|	40+ 5	0.8704	0.87	|O	|	|	|	|
35+ 0	0.8816	0.88	|O	|	|	|	|	40+10	0.8703	0.87	|O	|	|	|	|
35+ 5	0.8814	0.88	|O	|	|	|	|	40+15	0.8701	0.87	|O	|	|	|	|
35+10	0.8812	0.88	|O	|	|	|	|	40+20	0.8699	0.87	|O	|	|	|	|
35+15	0.8811	0.88	|O	|	|	|	|	40+25	0.8697	0.87	|O	|	|	|	|
35+20	0.8809	0.88	|O	|	|	|	|	40+30	0.8695	0.87	|O	|	|	|	|
35+25	0.8807	0.88	|O	|	|	|	|	40+35	0.8693	0.87	|O	|	|	|	|
35+30	0.8805	0.88	|O	|	|	|	|	40+40	0.8692	0.87	|O	|	|	|	|
35+35	0.8803	0.88	|O	|	|	|	|	40+45	0.8690	0.87	|O	|	|	|	|
35+40	0.8801	0.88	|O	|	|	|	|	40+50	0.8688	0.87	|O	|	|	|	|
35+45	0.8800	0.88	|O	|	|	|	|	40+55	0.8686	0.87	|O	|	|	|	|
35+50	0.8798	0.88	|O	|	|	|	|	41+ 0	0.8684	0.87	|O	|	|	|	|
35+55	0.8796	0.88	|O	|	|	|	|	41+ 5	0.8683	0.87	|O	|	|	|	|
36+ 0	0.8794	0.88	|O	|	|	|	|	41+10	0.8681	0.87	|O	|	|	|	|
36+ 5	0.8792	0.88	|O	|	|	|	|	41+15	0.8679	0.87	|O	|	|	|	|
36+10	0.8790	0.88	|O	|	|	|	|	41+20	0.8677	0.87	|O	|	|	|	|
36+15	0.8788	0.88	|O	|	|	|	|	41+25	0.8675	0.87	|O	|	|	|	|
36+20	0.8787	0.88	|O	|	|	|	|	41+30	0.8674	0.87	|O	|	|	|	|
36+25	0.8785	0.88	|O	|	|	|	|	41+35	0.8672	0.87	|O	|	|	|	|
36+30	0.8783	0.88	|O	|	|	|	|	41+40	0.8670	0.87	|O	|	|	|	|
36+35	0.8781	0.88	|O	|	|	|	|	41+45	0.8668	0.87	|O	|	|	|	|
36+40	0.8779	0.88	|O	|	|	|	|	41+50	0.8666	0.87	|O	|	|	|	|
36+45	0.8777	0.88	|O	|	|	|	|	41+55	0.8664	0.87	|O	|	|	|	|
36+50	0.8776	0.88	|O	|	|	|	|	42+ 0	0.8663	0.87	|O	|	|	|	|
36+55	0.8774	0.88	|O	|	|	|	|	42+ 5	0.8661	0.87	|O	|	|	|	|
37+ 0	0.8772	0.88	|O	|	|	|	|	42+10	0.8659	0.87	|O	|	|	|	|
37+ 5	0.8770	0.88	|O	|	|	|	|	42+15	0.8657	0.87	|O	|	|	|	|
37+10	0.8768	0.88	|O	|	|	|	|	42+20	0.8655	0.87	|O	|	|	|	|
37+15	0.8766	0.88	|O	|	|	|	|	42+25	0.8654	0.87	|O	|	|	|	|
37+20	0.8765	0.88	|O	|	|	|	|	42+30	0.8652	0.87	|O	|	|	|	|
37+25	0.8763	0.88	|O	|	|	|	|	42+35	0.8650	0.86	|O	|	|	|	|
37+30	0.8761	0.88	|O	|	|	|	|	42+40	0.8648	0.86	|O	|	|	|	|
37+35	0.8759	0.88	|O	|	|	|	|	42+45	0.8646	0.86	|O	|	|	|	|
37+40	0.8757	0.88	|O	|	|	|	|	42+50	0.8645	0.86	|O	|	|	|	|
37+45	0.8755	0.88	|O	|	|	|	|	42+55	0.8643	0.86	|O	|	|	|	|
37+50	0.8754	0.88	|O	|	|	|	|	43+ 0	0.8641	0.86	|O	|	|	|	|

43+ 5	0.8639	0.86	|O	|	|	|	|	48+15	0.8528	0.85	|O	|	|	|	|
43+10	0.8637	0.86	|O	|	|	|	|	48+20	0.8526	0.85	|O	|	|	|	|
43+15	0.8636	0.86	|O	|	|	|	|	48+25	0.8524	0.85	|O	|	|	|	|
43+20	0.8634	0.86	|O	|	|	|	|	48+30	0.8523	0.85	|O	|	|	|	|
43+25	0.8632	0.86	|O	|	|	|	|	48+35	0.8521	0.85	|O	|	|	|	|
43+30	0.8630	0.86	|O	|	|	|	|	48+40	0.8519	0.85	|O	|	|	|	|
43+35	0.8628	0.86	|O	|	|	|	|	48+45	0.8517	0.85	|O	|	|	|	|
43+40	0.8627	0.86	|O	|	|	|	|	48+50	0.8515	0.85	|O	|	|	|	|
43+45	0.8625	0.86	|O	|	|	|	|	48+55	0.8514	0.85	|O	|	|	|	|
43+50	0.8623	0.86	|O	|	|	|	|	49+ 0	0.8512	0.85	|O	|	|	|	|
43+55	0.8621	0.86	|O	|	|	|	|	49+ 5	0.8510	0.85	|O	|	|	|	|
44+ 0	0.8619	0.86	|O	|	|	|	|	49+10	0.8508	0.85	|O	|	|	|	|
44+ 5	0.8617	0.86	|O	|	|	|	|	49+15	0.8507	0.85	|O	|	|	|	|
44+10	0.8616	0.86	|O	|	|	|	|	49+20	0.8505	0.85	|O	|	|	|	|
44+15	0.8614	0.86	|O	|	|	|	|	49+25	0.8503	0.85	|O	|	|	|	|
44+20	0.8612	0.86	|O	|	|	|	|	49+30	0.8501	0.85	|O	|	|	|	|
44+25	0.8610	0.86	|O	|	|	|	|	49+35	0.8499	0.85	|O	|	|	|	|
44+30	0.8608	0.86	|O	|	|	|	|	49+40	0.8497	0.85	|O	|	|	|	|
44+35	0.8607	0.86	|O	|	|	|	|	49+45	0.8494	0.85	|O	|	|	|	|
44+40	0.8605	0.86	|O	|	|	|	|	49+50	0.8492	0.85	|O	|	|	|	|
44+45	0.8603	0.86	|O	|	|	|	|	49+55	0.8490	0.85	|O	|	|	|	|
44+50	0.8601	0.86	|O	|	|	|	|	50+ 0	0.8487	0.85	O	|	|	|	|
44+55	0.8599	0.86	|O	|	|	|	|	50+ 5	0.8485	0.85	O	|	|	|	|
45+ 0	0.8598	0.86	|O	|	|	|	|	50+10	0.8482	0.85	O	|	|	|	|
45+ 5	0.8596	0.86	|O	|	|	|	|	50+15	0.8480	0.85	O	|	|	|	|
45+10	0.8594	0.86	|O	|	|	|	|	50+20	0.8477	0.85	O	|	|	|	|
45+15	0.8592	0.86	|O	|	|	|	|	50+25	0.8475	0.85	O	|	|	|	|
45+20	0.8591	0.86	|O	|	|	|	|	50+30	0.8473	0.85	O	|	|	|	|
45+25	0.8589	0.86	|O	|	|	|	|	50+35	0.8470	0.85	O	|	|	|	|
45+30	0.8587	0.86	|O	|	|	|	|	50+40	0.8468	0.85	O	|	|	|	|
45+35	0.8585	0.86	|O	|	|	|	|	50+45	0.8465	0.85	O	|	|	|	|
45+40	0.8583	0.86	|O	|	|	|	|	50+50	0.8463	0.85	O	|	|	|	|
45+45	0.8582	0.86	|O	|	|	|	|	50+55	0.8460	0.85	O	|	|	|	|
45+50	0.8580	0.86	|O	|	|	|	|	51+ 0	0.8458	0.85	O	|	|	|	|
45+55	0.8578	0.86	|O	|	|	|	|	51+ 5	0.8456	0.85	O	|	|	|	|
46+ 0	0.8576	0.86	|O	|	|	|	|	51+10	0.8453	0.85	O	|	|	|	|
46+ 5	0.8574	0.86	|O	|	|	|	|	51+15	0.8451	0.85	O	|	|	|	|
46+10	0.8573	0.86	|O	|	|	|	|	51+20	0.8448	0.84	O	|	|	|	|
46+15	0.8571	0.86	|O	|	|	|	|	51+25	0.8446	0.84	O	|	|	|	|
46+20	0.8569	0.86	|O	|	|	|	|	51+30	0.8444	0.84	O	|	|	|	|
46+25	0.8567	0.86	|O	|	|	|	|	51+35	0.8441	0.84	O	|	|	|	|
46+30	0.8565	0.86	|O	|	|	|	|	51+40	0.8439	0.84	O	|	|	|	|
46+35	0.8564	0.86	|O	|	|	|	|	51+45	0.8436	0.84	O	|	|	|	|
46+40	0.8562	0.86	|O	|	|	|	|	51+50	0.8434	0.84	O	|	|	|	|
46+45	0.8560	0.86	|O	|	|	|	|	51+55	0.8432	0.84	O	|	|	|	|
46+50	0.8558	0.86	|O	|	|	|	|	52+ 0	0.8429	0.84	O	|	|	|	|
46+55	0.8556	0.86	|O	|	|	|	|	52+ 5	0.8427	0.84	O	|	|	|	|
47+ 0	0.8555	0.86	|O	|	|	|	|	52+10	0.8424	0.84	O	|	|	|	|
47+ 5	0.8553	0.86	|O	|	|	|	|	52+15	0.8422	0.84	O	|	|	|	|
47+10	0.8551	0.86	|O	|	|	|	|	52+20	0.8420	0.84	O	|	|	|	|
47+15	0.8549	0.85	|O	|	|	|	|	52+25	0.8417	0.84	O	|	|	|	|
47+20	0.8548	0.85	|O	|	|	|	|	52+30	0.8415	0.84	O	|	|	|	|
47+25	0.8546	0.85	|O	|	|	|	|	52+35	0.8412	0.84	O	|	|	|	|
47+30	0.8544	0.85	|O	|	|	|	|	52+40	0.8410	0.84	O	|	|	|	|
47+35	0.8542	0.85	|O	|	|	|	|	52+45	0.8408	0.84	O	|	|	|	|
47+40	0.8540	0.85	|O	|	|	|	|	52+50	0.8405	0.84	O	|	|	|	|
47+45	0.8539	0.85	|O	|	|	|	|	52+55	0.8403	0.84	O	|	|	|	|
47+50	0.8537	0.85	|O	|	|	|	|	53+ 0	0.8400	0.84	O	|	|	|	|
47+55	0.8535	0.85	|O	|	|	|	|	53+ 5	0.8398	0.84	O	|	|	|	|
48+ 0	0.8533	0.85	|O	|	|	|	|	53+10	0.8396	0.84	O	|	|	|	|
48+ 5	0.8531	0.85	|O	|	|	|	|	53+15	0.8393	0.84	O	|	|	|	|
48+10	0.8530	0.85	|O	|	|	|	|	53+20	0.8391	0.84	O	|	|	|	|

53+25	0.8388	0.84	O					58+35	0.8241	0.82	O				
53+30	0.8386	0.84	O					58+40	0.8239	0.82	O				
53+35	0.8384	0.84	O					58+45	0.8236	0.82	O				
53+40	0.8381	0.84	O					58+50	0.8234	0.82	O				
53+45	0.8379	0.84	O					58+55	0.8232	0.82	O				
53+50	0.8376	0.84	O					59+ 0	0.8229	0.82	O				
53+55	0.8374	0.84	O					59+ 5	0.8227	0.82	O				
54+ 0	0.8372	0.84	O					59+10	0.8225	0.82	O				
54+ 5	0.8369	0.84	O					59+15	0.8222	0.82	O				
54+10	0.8367	0.84	O					59+20	0.8220	0.82	O				
54+15	0.8364	0.84	O					59+25	0.8218	0.82	O				
54+20	0.8362	0.84	O					59+30	0.8215	0.82	O				
54+25	0.8360	0.84	O					59+35	0.8213	0.82	O				
54+30	0.8357	0.84	O					59+40	0.8211	0.82	O				
54+35	0.8355	0.84	O					59+45	0.8208	0.82	O				
54+40	0.8352	0.84	O					59+50	0.8206	0.82	O				
54+45	0.8350	0.84	O					59+55	0.8204	0.82	O				
54+50	0.8348	0.83	O					60+ 0	0.8201	0.82	O				
54+55	0.8345	0.83	O					60+ 5	0.8199	0.82	O				
55+ 0	0.8343	0.83	O					60+10	0.8197	0.82	O				
55+ 5	0.8341	0.83	O					60+15	0.8194	0.82	O				
55+10	0.8338	0.83	O					60+20	0.8192	0.82	O				
55+15	0.8336	0.83	O					60+25	0.8190	0.82	O				
55+20	0.8333	0.83	O					60+30	0.8187	0.82	O				
55+25	0.8331	0.83	O					60+35	0.8185	0.82	O				
55+30	0.8329	0.83	O					60+40	0.8183	0.82	O				
55+35	0.8326	0.83	O					60+45	0.8180	0.82	O				
55+40	0.8324	0.83	O					60+50	0.8178	0.82	O				
55+45	0.8322	0.83	O					60+55	0.8176	0.82	O				
55+50	0.8319	0.83	O					61+ 0	0.8173	0.82	O				
55+55	0.8317	0.83	O					61+ 5	0.8171	0.82	O				
56+ 0	0.8314	0.83	O					61+10	0.8169	0.82	O				
56+ 5	0.8312	0.83	O					61+15	0.8166	0.82	O				
56+10	0.8310	0.83	O					61+20	0.8164	0.82	O				
56+15	0.8307	0.83	O					61+25	0.8162	0.82	O				
56+20	0.8305	0.83	O					61+30	0.8159	0.82	O				
56+25	0.8303	0.83	O					61+35	0.8157	0.82	O				
56+30	0.8300	0.83	O					61+40	0.8155	0.82	O				
56+35	0.8298	0.83	O					61+45	0.8152	0.82	O				
56+40	0.8295	0.83	O					61+50	0.8150	0.81	O				
56+45	0.8293	0.83	O					61+55	0.8148	0.81	O				
56+50	0.8291	0.83	O					62+ 0	0.8145	0.81	O				
56+55	0.8288	0.83	O					62+ 5	0.8143	0.81	O				
57+ 0	0.8286	0.83	O					62+10	0.8141	0.81	O				
57+ 5	0.8284	0.83	O					62+15	0.8138	0.81	O				
57+10	0.8281	0.83	O					62+20	0.8136	0.81	O				
57+15	0.8279	0.83	O					62+25	0.8134	0.81	O				
57+20	0.8276	0.83	O					62+30	0.8131	0.81	O				
57+25	0.8274	0.83	O					62+35	0.8129	0.81	O				
57+30	0.8272	0.83	O					62+40	0.8127	0.81	O				
57+35	0.8269	0.83	O					62+45	0.8124	0.81	O				
57+40	0.8267	0.83	O					62+50	0.8122	0.81	O				
57+45	0.8265	0.83	O					62+55	0.8120	0.81	O				
57+50	0.8262	0.83	O					63+ 0	0.8117	0.81	O				
57+55	0.8260	0.83	O					63+ 5	0.8115	0.81	O				
58+ 0	0.8258	0.83	O					63+10	0.8113	0.81	O				
58+ 5	0.8255	0.83	O					63+15	0.8110	0.81	O				
58+10	0.8253	0.83	O					63+20	0.8108	0.81	O				
58+15	0.8251	0.83	O					63+25	0.8106	0.81	O				
58+20	0.8248	0.82	O					63+30	0.8103	0.81	O				
58+25	0.8246	0.82	O					63+35	0.8101	0.81	O				
58+30	0.8243	0.82	O					63+40	0.8099	0.81	O				

63+45	0.8097	0.81	O				
63+50	0.8094	0.81	O				
63+55	0.8092	0.81	O				
64+ 0	0.8090	0.81	O				
64+ 5	0.8087	0.81	O				
64+10	0.8085	0.81	O				
64+15	0.8083	0.81	O				
64+20	0.8080	0.81	O				
64+25	0.8078	0.81	O				
64+30	0.8076	0.81	O				
64+35	0.8073	0.81	O				
64+40	0.8071	0.81	O				
64+45	0.8069	0.81	O				
64+50	0.8067	0.81	O				
64+55	0.8064	0.81	O				
65+ 0	0.8062	0.81	O				
65+ 5	0.8060	0.81	O				
65+10	0.8057	0.81	O				
65+15	0.8055	0.81	O				
65+20	0.8053	0.81	O				
65+25	0.8050	0.81	O				
65+30	0.8048	0.80	O				
65+35	0.8046	0.80	O				
65+40	0.8044	0.80	O				
65+45	0.8041	0.80	O				
65+50	0.8039	0.80	O				
65+55	0.8037	0.80	O				
66+ 0	0.8034	0.80	O				
66+ 5	0.8032	0.80	O				
66+10	0.8030	0.80	O				
66+15	0.8027	0.80	O				
66+20	0.8025	0.80	O				
66+25	0.8023	0.80	O				
66+30	0.8021	0.80	O				
66+35	0.8018	0.80	O				
66+40	0.8016	0.80	O				
66+45	0.8014	0.80	O				
66+50	0.8011	0.80	O				
66+55	0.8009	0.80	O				
67+ 0	0.8007	0.80	O				
67+ 5	0.8005	0.80	O				
67+10	0.8002	0.80	O				
67+15	0.8000	0.80	O				
67+20	0.7998	0.80	O				
67+25	0.7996	0.80	O				
67+30	0.7994	0.80	O				
67+35	0.7992	0.80	O				
67+40	0.7990	0.80	O				
67+45	0.7988	0.80	O				
67+50	0.7986	0.80	O				
67+55	0.7984	0.80	O				
68+ 0	0.7982	0.80	O				
68+ 5	0.7980	0.80	O				
68+10	0.7978	0.80	O				
68+15	0.7976	0.80	O				
68+20	0.7974	0.80	O				
68+25	0.7972	0.80	O				
68+30	0.7970	0.80	O				
68+35	0.7968	0.80	O				
68+40	0.7966	0.80	O				
68+45	0.7964	0.80	O				
68+50	0.7962	0.80	O				
68+55	0.7960	0.80	O				
69+ 0	0.7958	0.80	O				
69+ 5	0.7956	0.80	O				
69+10	0.7954	0.80	O				
69+15	0.7952	0.80	O				
69+20	0.7950	0.79	O				
69+25	0.7948	0.79	O				
69+30	0.7946	0.79	O				
69+35	0.7944	0.79	O				
69+40	0.7942	0.79	O				
69+45	0.7940	0.79	O				
69+50	0.7938	0.79	O				
69+55	0.7936	0.79	O				
70+ 0	0.7934	0.79	O				
70+ 5	0.7932	0.79	O				
70+10	0.7930	0.79	O				
70+15	0.7928	0.79	O				
70+20	0.7926	0.79	O				
70+25	0.7924	0.79	O				
70+30	0.7922	0.79	O				
70+35	0.7920	0.79	O				
70+40	0.7918	0.79	O				
70+45	0.7916	0.79	O				
70+50	0.7914	0.79	O				
70+55	0.7912	0.79	O				
71+ 0	0.7910	0.79	O				
71+ 5	0.7908	0.79	O				
71+10	0.7906	0.79	O				
71+15	0.7904	0.79	O				
71+20	0.7902	0.79	O				
71+25	0.7900	0.79	O				
71+30	0.7898	0.79	O				
71+35	0.7896	0.79	O				
71+40	0.7894	0.79	O				
71+45	0.7892	0.79	O				
71+50	0.7890	0.79	O				
71+55	0.7888	0.79	O				
72+ 0	0.7887	0.79	O				
72+ 5	0.7885	0.79	O				
72+10	0.7883	0.79	O				
72+15	0.7881	0.79	O				
72+20	0.7879	0.79	O				
72+25	0.7877	0.79	O				
72+30	0.7875	0.79	O				
72+35	0.7873	0.79	O				
72+40	0.7871	0.79	O				
72+45	0.7869	0.79	O				
72+50	0.7867	0.79	O				
72+55	0.7865	0.79	O				
73+ 0	0.7863	0.79	O				
73+ 5	0.7861	0.79	O				
73+10	0.7859	0.79	O				
73+15	0.7857	0.79	O				
73+20	0.7855	0.79	O				
73+25	0.7853	0.79	O				
73+30	0.7851	0.79	O				
73+35	0.7849	0.78	O				
73+40	0.7847	0.78	O				
73+45	0.7845	0.78	O				
73+50	0.7843	0.78	O				
73+55	0.7841	0.78	O				
74+ 0	0.7839	0.78	O				

74+ 5	0.7837	0.78	O					79+15	0.7716	0.77	O				
74+10	0.7835	0.78	O					79+20	0.7714	0.77	O				
74+15	0.7833	0.78	O					79+25	0.7713	0.77	O				
74+20	0.7831	0.78	O					79+30	0.7711	0.77	O				
74+25	0.7829	0.78	O					79+35	0.7709	0.77	O				
74+30	0.7827	0.78	O					79+40	0.7707	0.77	O				
74+35	0.7825	0.78	O					79+45	0.7705	0.77	O				
74+40	0.7824	0.78	O					79+50	0.7703	0.77	O				
74+45	0.7822	0.78	O					79+55	0.7701	0.77	O				
74+50	0.7820	0.78	O					80+ 0	0.7699	0.77	O				
74+55	0.7818	0.78	O					80+ 5	0.7697	0.77	O				
75+ 0	0.7816	0.78	O					80+10	0.7695	0.77	O				
75+ 5	0.7814	0.78	O					80+15	0.7693	0.77	O				
75+10	0.7812	0.78	O					80+20	0.7691	0.77	O				
75+15	0.7810	0.78	O					80+25	0.7689	0.77	O				
75+20	0.7808	0.78	O					80+30	0.7687	0.77	O				
75+25	0.7806	0.78	O					80+35	0.7685	0.77	O				
75+30	0.7804	0.78	O					80+40	0.7684	0.77	O				
75+35	0.7802	0.78	O					80+45	0.7682	0.77	O				
75+40	0.7800	0.78	O					80+50	0.7680	0.77	O				
75+45	0.7798	0.78	O					80+55	0.7678	0.77	O				
75+50	0.7796	0.78	O					81+ 0	0.7676	0.77	O				
75+55	0.7794	0.78	O					81+ 5	0.7674	0.77	O				
76+ 0	0.7792	0.78	O					81+10	0.7672	0.77	O				
76+ 5	0.7790	0.78	O					81+15	0.7670	0.77	O				
76+10	0.7788	0.78	O					81+20	0.7668	0.77	O				
76+15	0.7786	0.78	O					81+25	0.7666	0.77	O				
76+20	0.7784	0.78	O					81+30	0.7664	0.77	O				
76+25	0.7782	0.78	O					81+35	0.7662	0.77	O				
76+30	0.7780	0.78	O					81+40	0.7660	0.77	O				
76+35	0.7779	0.78	O					81+45	0.7659	0.77	O				
76+40	0.7777	0.78	O					81+50	0.7657	0.77	O				
76+45	0.7775	0.78	O					81+55	0.7655	0.77	O				
76+50	0.7773	0.78	O					82+ 0	0.7653	0.77	O				
76+55	0.7771	0.78	O					82+ 5	0.7651	0.77	O				
77+ 0	0.7769	0.78	O					82+10	0.7649	0.76	O				
77+ 5	0.7767	0.78	O					82+15	0.7647	0.76	O				
77+10	0.7765	0.78	O					82+20	0.7645	0.76	O				
77+15	0.7763	0.78	O					82+25	0.7643	0.76	O				
77+20	0.7761	0.78	O					82+30	0.7641	0.76	O				
77+25	0.7759	0.78	O					82+35	0.7639	0.76	O				
77+30	0.7757	0.78	O					82+40	0.7637	0.76	O				
77+35	0.7755	0.78	O					82+45	0.7636	0.76	O				
77+40	0.7753	0.78	O					82+50	0.7634	0.76	O				
77+45	0.7751	0.78	O					82+55	0.7632	0.76	O				
77+50	0.7749	0.77	O					83+ 0	0.7630	0.76	O				
77+55	0.7747	0.77	O					83+ 5	0.7628	0.76	O				
78+ 0	0.7745	0.77	O					83+10	0.7626	0.76	O				
78+ 5	0.7744	0.77	O					83+15	0.7624	0.76	O				
78+10	0.7742	0.77	O					83+20	0.7622	0.76	O				
78+15	0.7740	0.77	O					83+25	0.7620	0.76	O				
78+20	0.7738	0.77	O					83+30	0.7618	0.76	O				
78+25	0.7736	0.77	O					83+35	0.7616	0.76	O				
78+30	0.7734	0.77	O					83+40	0.7615	0.76	O				
78+35	0.7732	0.77	O					83+45	0.7613	0.76	O				
78+40	0.7730	0.77	O					83+50	0.7611	0.76	O				
78+45	0.7728	0.77	O					83+55	0.7609	0.76	O				
78+50	0.7726	0.77	O					84+ 0	0.7607	0.76	O				
78+55	0.7724	0.77	O					84+ 5	0.7605	0.76	O				
79+ 0	0.7722	0.77	O					84+10	0.7603	0.76	O				
79+ 5	0.7720	0.77	O					84+15	0.7601	0.76	O				
79+10	0.7718	0.77	O					84+20	0.7599	0.76	O				

84+25	0.7596	0.76	O					89+35	0.7435	0.74	O				
84+30	0.7594	0.76	O					89+40	0.7433	0.74	O				
84+35	0.7591	0.76	O					89+45	0.7430	0.74	O				
84+40	0.7589	0.76	O					89+50	0.7427	0.74	O				
84+45	0.7586	0.76	O					89+55	0.7425	0.74	O				
84+50	0.7583	0.76	O					90+ 0	0.7422	0.74	O				
84+55	0.7581	0.76	O					90+ 5	0.7420	0.74	O				
85+ 0	0.7578	0.76	O					90+10	0.7417	0.74	O				
85+ 5	0.7575	0.76	O					90+15	0.7415	0.74	O				
85+10	0.7573	0.76	O					90+20	0.7412	0.74	O				
85+15	0.7570	0.76	O					90+25	0.7409	0.74	O				
85+20	0.7568	0.76	O					90+30	0.7407	0.74	O				
85+25	0.7565	0.76	O					90+35	0.7404	0.74	O				
85+30	0.7562	0.76	O					90+40	0.7402	0.74	O				
85+35	0.7560	0.76	O					90+45	0.7399	0.74	O				
85+40	0.7557	0.76	O					90+50	0.7397	0.74	O				
85+45	0.7554	0.76	O					90+55	0.7394	0.74	O				
85+50	0.7552	0.76	O					91+ 0	0.7392	0.74	O				
85+55	0.7549	0.75	O					91+ 5	0.7389	0.74	O				
86+ 0	0.7547	0.75	O					91+10	0.7386	0.74	O				
86+ 5	0.7544	0.75	O					91+15	0.7384	0.74	O				
86+10	0.7541	0.75	O					91+20	0.7381	0.74	O				
86+15	0.7539	0.75	O					91+25	0.7379	0.74	O				
86+20	0.7536	0.75	O					91+30	0.7376	0.74	O				
86+25	0.7534	0.75	O					91+35	0.7374	0.74	O				
86+30	0.7531	0.75	O					91+40	0.7371	0.74	O				
86+35	0.7528	0.75	O					91+45	0.7369	0.74	O				
86+40	0.7526	0.75	O					91+50	0.7366	0.74	O				
86+45	0.7523	0.75	O					91+55	0.7363	0.74	O				
86+50	0.7521	0.75	O					92+ 0	0.7361	0.74	O				
86+55	0.7518	0.75	O					92+ 5	0.7358	0.74	O				
87+ 0	0.7515	0.75	O					92+10	0.7356	0.74	O				
87+ 5	0.7513	0.75	O					92+15	0.7353	0.74	O				
87+10	0.7510	0.75	O					92+20	0.7351	0.74	O				
87+15	0.7508	0.75	O					92+25	0.7348	0.73	O				
87+20	0.7505	0.75	O					92+30	0.7346	0.73	O				
87+25	0.7502	0.75	O					92+35	0.7343	0.73	O				
87+30	0.7500	0.75	O					92+40	0.7341	0.73	O				
87+35	0.7497	0.75	O					92+45	0.7338	0.73	O				
87+40	0.7495	0.75	O					92+50	0.7335	0.73	O				
87+45	0.7492	0.75	O					92+55	0.7333	0.73	O				
87+50	0.7489	0.75	O					93+ 0	0.7330	0.73	O				
87+55	0.7487	0.75	O					93+ 5	0.7328	0.73	O				
88+ 0	0.7484	0.75	O					93+10	0.7325	0.73	O				
88+ 5	0.7482	0.75	O					93+15	0.7323	0.73	O				
88+10	0.7479	0.75	O					93+20	0.7320	0.73	O				
88+15	0.7476	0.75	O					93+25	0.7318	0.73	O				
88+20	0.7474	0.75	O					93+30	0.7315	0.73	O				
88+25	0.7471	0.75	O					93+35	0.7313	0.73	O				
88+30	0.7469	0.75	O					93+40	0.7310	0.73	O				
88+35	0.7466	0.75	O					93+45	0.7308	0.73	O				
88+40	0.7463	0.75	O					93+50	0.7305	0.73	O				
88+45	0.7461	0.75	O					93+55	0.7303	0.73	O				
88+50	0.7458	0.75	O					94+ 0	0.7300	0.73	O				
88+55	0.7456	0.75	O					94+ 5	0.7297	0.73	O				
89+ 0	0.7453	0.75	O					94+10	0.7295	0.73	O				
89+ 5	0.7451	0.75	O					94+15	0.7292	0.73	O				
89+10	0.7448	0.74	O					94+20	0.7290	0.73	O				
89+15	0.7445	0.74	O					94+25	0.7287	0.73	O				
89+20	0.7443	0.74	O					94+30	0.7285	0.73	O				
89+25	0.7440	0.74	O					94+35	0.7282	0.73	O				
89+30	0.7438	0.74	O					94+40	0.7280	0.73	O				

94+45	0.7277	0.73	O				
94+50	0.7275	0.73	O				
94+55	0.7272	0.73	O				
95+ 0	0.7270	0.73	O				
95+ 5	0.7267	0.73	O				
95+10	0.7265	0.73	O				
95+15	0.7262	0.73	O				
95+20	0.7260	0.73	O				
95+25	0.7257	0.73	O				
95+30	0.7255	0.73	O				
95+35	0.7252	0.73	O				
95+40	0.7250	0.72	O				
95+45	0.7247	0.72	O				
95+50	0.7245	0.72	O				
95+55	0.7242	0.72	O				
96+ 0	0.7240	0.72	O				
96+ 5	0.7237	0.72	O				
96+10	0.7235	0.72	O				
96+15	0.7232	0.72	O				
96+20	0.7230	0.72	O				
96+25	0.7227	0.72	O				
96+30	0.7225	0.72	O				
96+35	0.7222	0.72	O				
96+40	0.7220	0.72	O				
96+45	0.7217	0.72	O				
96+50	0.7215	0.72	O				
96+55	0.7212	0.72	O				
97+ 0	0.7210	0.72	O				
97+ 5	0.7207	0.72	O				
97+10	0.7205	0.72	O				
97+15	0.7202	0.72	O				
97+20	0.7200	0.72	O				
97+25	0.7197	0.72	O				
97+30	0.7195	0.72	O				
97+35	0.7192	0.72	O				
97+40	0.7190	0.72	O				
97+45	0.7187	0.72	O				
97+50	0.7185	0.72	O				
97+55	0.7182	0.72	O				
98+ 0	0.7180	0.72	O				
98+ 5	0.7177	0.72	O				
98+10	0.7175	0.72	O				
98+15	0.7172	0.72	O				
98+20	0.7170	0.72	O				
98+25	0.7167	0.72	O				
98+30	0.7165	0.72	O				
98+35	0.7162	0.72	O				
98+40	0.7160	0.72	O				
98+45	0.7157	0.72	O				
98+50	0.7155	0.72	O				
98+55	0.7152	0.72	O				
99+ 0	0.7150	0.71	O				
99+ 5	0.7148	0.71	O				
99+10	0.7145	0.71	O				
99+15	0.7143	0.71	O				
99+20	0.7140	0.71	O				
99+25	0.7138	0.71	O				
99+30	0.7135	0.71	O				
99+35	0.7133	0.71	O				
99+40	0.7130	0.71	O				
99+45	0.7128	0.71	O				
99+50	0.7125	0.71	O				
99+55	0.7123	0.71	O				
100+ 0	0.7120	0.71	O				
100+ 5	0.7118	0.71	O				
100+10	0.7115	0.71	O				
100+15	0.7113	0.71	O				
100+20	0.7110	0.71	O				
100+25	0.7108	0.71	O				
100+30	0.7106	0.71	O				
100+35	0.7103	0.71	O				
100+40	0.7101	0.71	O				
100+45	0.7098	0.71	O				
100+50	0.7095	0.71	O				
100+55	0.7093	0.71	O				
101+ 0	0.7090	0.71	O				
101+ 5	0.7087	0.71	O				
101+10	0.7084	0.71	O				
101+15	0.7082	0.71	O				
101+20	0.7079	0.71	O				
101+25	0.7076	0.71	O				
101+30	0.7073	0.71	O				
101+35	0.7071	0.71	O				
101+40	0.7068	0.71	O				
101+45	0.7065	0.71	O				
101+50	0.7063	0.71	O				
101+55	0.7060	0.71	O				
102+ 0	0.7057	0.71	O				
102+ 5	0.7054	0.71	O				
102+10	0.7052	0.71	O				
102+15	0.7049	0.70	O				
102+20	0.7046	0.70	O				
102+25	0.7044	0.70	O				
102+30	0.7041	0.70	O				
102+35	0.7038	0.70	O				
102+40	0.7036	0.70	O				
102+45	0.7033	0.70	O				
102+50	0.7030	0.70	O				
102+55	0.7027	0.70	O				
103+ 0	0.7025	0.70	O				
103+ 5	0.7022	0.70	O				
103+10	0.7019	0.70	O				
103+15	0.7017	0.70	O				
103+20	0.7014	0.70	O				
103+25	0.7011	0.70	O				
103+30	0.7009	0.70	O				
103+35	0.7006	0.70	O				
103+40	0.7003	0.70	O				
103+45	0.7000	0.70	O				
103+50	0.6998	0.70	O				
103+55	0.6995	0.70	O				
104+ 0	0.6992	0.70	O				
104+ 5	0.6990	0.70	O				
104+10	0.6987	0.70	O				
104+15	0.6984	0.70	O				
104+20	0.6982	0.70	O				
104+25	0.6979	0.70	O				
104+30	0.6976	0.70	O				
104+35	0.6974	0.70	O				
104+40	0.6971	0.70	O				
104+45	0.6968	0.70	O				
104+50	0.6966	0.70	O				
104+55	0.6963	0.70	O				
105+ 0	0.6960	0.70	O				

105+ 5	0.6958	0.70	O				
105+10	0.6955	0.70	O				
105+15	0.6952	0.70	O				
105+20	0.6950	0.69	O				
105+25	0.6947	0.69	O				
105+30	0.6944	0.69	O				
105+35	0.6942	0.69	O				
105+40	0.6939	0.69	O				
105+45	0.6936	0.69	O				
105+50	0.6934	0.69	O				
105+55	0.6931	0.69	O				
106+ 0	0.6928	0.69	O				
106+ 5	0.6926	0.69	O				
106+10	0.6923	0.69	O				
106+15	0.6920	0.69	O				
106+20	0.6918	0.69	O				
106+25	0.6915	0.69	O				
106+30	0.6912	0.69	O				
106+35	0.6910	0.69	O				
106+40	0.6907	0.69	O				
106+45	0.6904	0.69	O				
106+50	0.6902	0.69	O				
106+55	0.6899	0.69	O				
107+ 0	0.6896	0.69	O				
107+ 5	0.6894	0.69	O				
107+10	0.6891	0.69	O				
107+15	0.6888	0.69	O				
107+20	0.6886	0.69	O				
107+25	0.6883	0.69	O				
107+30	0.6880	0.69	O				
107+35	0.6878	0.69	O				
107+40	0.6875	0.69	O				
107+45	0.6873	0.69	O				
107+50	0.6870	0.69	O				
107+55	0.6867	0.69	O				
108+ 0	0.6865	0.69	O				
108+ 5	0.6862	0.69	O				
108+10	0.6859	0.69	O				
108+15	0.6857	0.69	O				
108+20	0.6854	0.69	O				
108+25	0.6851	0.69	O				
108+30	0.6849	0.68	O				
108+35	0.6846	0.68	O				
108+40	0.6844	0.68	O				
108+45	0.6841	0.68	O				
108+50	0.6838	0.68	O				
108+55	0.6836	0.68	O				
109+ 0	0.6833	0.68	O				
109+ 5	0.6830	0.68	O				
109+10	0.6828	0.68	O				
109+15	0.6825	0.68	O				
109+20	0.6823	0.68	O				
109+25	0.6820	0.68	O				
109+30	0.6817	0.68	O				
109+35	0.6815	0.68	O				
109+40	0.6812	0.68	O				
109+45	0.6809	0.68	O				
109+50	0.6807	0.68	O				
109+55	0.6804	0.68	O				
110+ 0	0.6802	0.68	O				
110+ 5	0.6799	0.68	O				
110+10	0.6796	0.68	O				
110+15	0.6794	0.68	O				
110+20	0.6791	0.68	O				
110+25	0.6789	0.68	O				
110+30	0.6786	0.68	O				
110+35	0.6783	0.68	O				
110+40	0.6781	0.68	O				
110+45	0.6778	0.68	O				
110+50	0.6775	0.68	O				
110+55	0.6773	0.68	O				
111+ 0	0.6770	0.68	O				
111+ 5	0.6768	0.68	O				
111+10	0.6765	0.68	O				
111+15	0.6762	0.68	O				
111+20	0.6760	0.68	O				
111+25	0.6757	0.68	O				
111+30	0.6755	0.68	O				
111+35	0.6752	0.68	O				
111+40	0.6749	0.67	O				
111+45	0.6747	0.67	O				
111+50	0.6744	0.67	O				
111+55	0.6742	0.67	O				
112+ 0	0.6739	0.67	O				
112+ 5	0.6737	0.67	O				
112+10	0.6734	0.67	O				
112+15	0.6731	0.67	O				
112+20	0.6729	0.67	O				
112+25	0.6726	0.67	O				
112+30	0.6724	0.67	O				
112+35	0.6721	0.67	O				
112+40	0.6718	0.67	O				
112+45	0.6716	0.67	O				
112+50	0.6713	0.67	O				
112+55	0.6711	0.67	O				
113+ 0	0.6708	0.67	O				
113+ 5	0.6706	0.67	O				
113+10	0.6703	0.67	O				
113+15	0.6700	0.67	O				
113+20	0.6698	0.67	O				
113+25	0.6695	0.67	O				
113+30	0.6693	0.67	O				
113+35	0.6690	0.67	O				
113+40	0.6688	0.67	O				
113+45	0.6685	0.67	O				
113+50	0.6682	0.67	O				
113+55	0.6680	0.67	O				
114+ 0	0.6677	0.67	O				
114+ 5	0.6675	0.67	O				
114+10	0.6672	0.67	O				
114+15	0.6670	0.67	O				
114+20	0.6667	0.67	O				
114+25	0.6664	0.67	O				
114+30	0.6662	0.67	O				
114+35	0.6659	0.67	O				
114+40	0.6657	0.67	O				
114+45	0.6654	0.67	O				
114+50	0.6652	0.67	O				
114+55	0.6649	0.66	O				
115+ 0	0.6647	0.66	O				
115+ 5	0.6644	0.66	O				
115+10	0.6641	0.66	O				
115+15	0.6639	0.66	O				
115+20	0.6636	0.66	O				

115+25	0.6634	0.66	O					120+35	0.6436	0.64	O				
115+30	0.6631	0.66	O					120+40	0.6433	0.64	O				
115+35	0.6629	0.66	O					120+45	0.6429	0.64	O				
115+40	0.6626	0.66	O					120+50	0.6426	0.64	O				
115+45	0.6624	0.66	O					120+55	0.6423	0.64	O				
115+50	0.6621	0.66	O					121+ 0	0.6419	0.64	O				
115+55	0.6618	0.66	O					121+ 5	0.6416	0.64	O				
116+ 0	0.6616	0.66	O					121+10	0.6413	0.64	O				
116+ 5	0.6613	0.66	O					121+15	0.6409	0.64	O				
116+10	0.6611	0.66	O					121+20	0.6406	0.64	O				
116+15	0.6608	0.66	O					121+25	0.6403	0.64	O				
116+20	0.6606	0.66	O					121+30	0.6400	0.64	O				
116+25	0.6603	0.66	O					121+35	0.6396	0.64	O				
116+30	0.6601	0.66	O					121+40	0.6393	0.64	O				
116+35	0.6598	0.66	O					121+45	0.6390	0.64	O				
116+40	0.6594	0.66	O					121+50	0.6386	0.64	O				
116+45	0.6591	0.66	O					121+55	0.6383	0.64	O				
116+50	0.6587	0.66	O					122+ 0	0.6380	0.64	O				
116+55	0.6584	0.66	O					122+ 5	0.6376	0.64	O				
117+ 0	0.6581	0.66	O					122+10	0.6373	0.64	O				
117+ 5	0.6577	0.66	O					122+15	0.6370	0.64	O				
117+10	0.6574	0.66	O					122+20	0.6367	0.64	O				
117+15	0.6570	0.66	O					122+25	0.6363	0.64	O				
117+20	0.6567	0.66	O					122+30	0.6360	0.64	O				
117+25	0.6564	0.66	O					122+35	0.6357	0.64	O				
117+30	0.6560	0.66	O					122+40	0.6353	0.64	O				
117+35	0.6557	0.66	O					122+45	0.6350	0.64	O				
117+40	0.6553	0.66	O					122+50	0.6347	0.63	O				
117+45	0.6550	0.65	O					122+55	0.6344	0.63	O				
117+50	0.6547	0.65	O					123+ 0	0.6340	0.63	O				
117+55	0.6543	0.65	O					123+ 5	0.6337	0.63	O				
118+ 0	0.6540	0.65	O					123+10	0.6334	0.63	O				
118+ 5	0.6536	0.65	O					123+15	0.6330	0.63	O				
118+10	0.6533	0.65	O					123+20	0.6327	0.63	O				
118+15	0.6530	0.65	O					123+25	0.6324	0.63	O				
118+20	0.6526	0.65	O					123+30	0.6321	0.63	O				
118+25	0.6523	0.65	O					123+35	0.6317	0.63	O				
118+30	0.6520	0.65	O					123+40	0.6314	0.63	O				
118+35	0.6516	0.65	O					123+45	0.6311	0.63	O				
118+40	0.6513	0.65	O					123+50	0.6308	0.63	O				
118+45	0.6510	0.65	O					123+55	0.6304	0.63	O				
118+50	0.6506	0.65	O					124+ 0	0.6301	0.63	O				
118+55	0.6503	0.65	O					124+ 5	0.6298	0.63	O				
119+ 0	0.6499	0.65	O					124+10	0.6295	0.63	O				
119+ 5	0.6496	0.65	O					124+15	0.6291	0.63	O				
119+10	0.6493	0.65	O					124+20	0.6288	0.63	O				
119+15	0.6489	0.65	O					124+25	0.6285	0.63	O				
119+20	0.6486	0.65	O					124+30	0.6282	0.63	O				
119+25	0.6483	0.65	O					124+35	0.6278	0.63	O				
119+30	0.6479	0.65	O					124+40	0.6275	0.63	O				
119+35	0.6476	0.65	O					124+45	0.6272	0.63	O				
119+40	0.6473	0.65	O					124+50	0.6269	0.63	O				
119+45	0.6469	0.65	O					124+55	0.6265	0.63	O				
119+50	0.6466	0.65	O					125+ 0	0.6262	0.63	O				
119+55	0.6463	0.65	O					125+ 5	0.6259	0.63	O				
120+ 0	0.6459	0.65	O					125+10	0.6256	0.63	O				
120+ 5	0.6456	0.65	O					125+15	0.6252	0.63	O				
120+10	0.6453	0.65	O					125+20	0.6249	0.62	O				
120+15	0.6449	0.64	O					125+25	0.6246	0.62	O				
120+20	0.6446	0.64	O					125+30	0.6243	0.62	O				
120+25	0.6443	0.64	O					125+35	0.6240	0.62	O				
120+30	0.6439	0.64	O					125+40	0.6236	0.62	O				

125+45	0.6233	0.62	O				
125+50	0.6230	0.62	O				
125+55	0.6227	0.62	O				
126+ 0	0.6223	0.62	O				
126+ 5	0.6220	0.62	O				
126+10	0.6217	0.62	O				
126+15	0.6214	0.62	O				
126+20	0.6211	0.62	O				
126+25	0.6207	0.62	O				
126+30	0.6204	0.62	O				
126+35	0.6201	0.62	O				
126+40	0.6198	0.62	O				
126+45	0.6195	0.62	O				
126+50	0.6191	0.62	O				
126+55	0.6188	0.62	O				
127+ 0	0.6185	0.62	O				
127+ 5	0.6182	0.62	O				
127+10	0.6179	0.62	O				
127+15	0.6175	0.62	O				
127+20	0.6172	0.62	O				
127+25	0.6169	0.62	O				
127+30	0.6166	0.62	O				
127+35	0.6163	0.62	O				
127+40	0.6160	0.62	O				
127+45	0.6156	0.62	O				
127+50	0.6153	0.62	O				
127+55	0.6150	0.61	O				
128+ 0	0.6147	0.61	O				
128+ 5	0.6144	0.61	O				
128+10	0.6140	0.61	O				
128+15	0.6137	0.61	O				
128+20	0.6134	0.61	O				
128+25	0.6131	0.61	O				
128+30	0.6128	0.61	O				
128+35	0.6125	0.61	O				
128+40	0.6121	0.61	O				
128+45	0.6118	0.61	O				
128+50	0.6115	0.61	O				
128+55	0.6112	0.61	O				
129+ 0	0.6109	0.61	O				
129+ 5	0.6106	0.61	O				
129+10	0.6103	0.61	O				
129+15	0.6099	0.61	O				
129+20	0.6096	0.61	O				
129+25	0.6093	0.61	O				
129+30	0.6090	0.61	O				
129+35	0.6087	0.61	O				
129+40	0.6084	0.61	O				
129+45	0.6080	0.61	O				
129+50	0.6077	0.61	O				
129+55	0.6074	0.61	O				
130+ 0	0.6071	0.61	O				
130+ 5	0.6068	0.61	O				
130+10	0.6065	0.61	O				
130+15	0.6062	0.61	O				
130+20	0.6059	0.61	O				
130+25	0.6055	0.61	O				
130+30	0.6052	0.61	O				
130+35	0.6049	0.60	O				
130+40	0.6046	0.60	O				
130+45	0.6043	0.60	O				
130+50	0.6040	0.60	O				
130+55	0.6037	0.60	O				
131+ 0	0.6034	0.60	O				
131+ 5	0.6030	0.60	O				
131+10	0.6027	0.60	O				
131+15	0.6024	0.60	O				
131+20	0.6021	0.60	O				
131+25	0.6018	0.60	O				
131+30	0.6015	0.60	O				
131+35	0.6012	0.60	O				
131+40	0.6009	0.60	O				
131+45	0.6006	0.60	O				
131+50	0.6002	0.60	O				
131+55	0.5999	0.60	O				
132+ 0	0.5995	0.60	O				
132+ 5	0.5991	0.60	O				
132+10	0.5987	0.60	O				
132+15	0.5983	0.60	O				
132+20	0.5979	0.60	O				
132+25	0.5975	0.60	O				
132+30	0.5971	0.60	O				
132+35	0.5967	0.60	O				
132+40	0.5963	0.60	O				
132+45	0.5959	0.60	O				
132+50	0.5955	0.60	O				
132+55	0.5951	0.60	O				
133+ 0	0.5947	0.59	O				
133+ 5	0.5943	0.59	O				
133+10	0.5939	0.59	O				
133+15	0.5935	0.59	O				
133+20	0.5931	0.59	O				
133+25	0.5927	0.59	O				
133+30	0.5922	0.59	O				
133+35	0.5918	0.59	O				
133+40	0.5914	0.59	O				
133+45	0.5910	0.59	O				
133+50	0.5906	0.59	O				
133+55	0.5902	0.59	O				
134+ 0	0.5898	0.59	O				
134+ 5	0.5894	0.59	O				
134+10	0.5891	0.59	O				
134+15	0.5887	0.59	O				
134+20	0.5883	0.59	O				
134+25	0.5879	0.59	O				
134+30	0.5875	0.59	O				
134+35	0.5871	0.59	O				
134+40	0.5867	0.59	O				
134+45	0.5863	0.59	O				
134+50	0.5859	0.59	O				
134+55	0.5855	0.59	O				
135+ 0	0.5851	0.59	O				
135+ 5	0.5847	0.58	O				
135+10	0.5843	0.58	O				
135+15	0.5839	0.58	O				
135+20	0.5835	0.58	O				
135+25	0.5831	0.58	O				
135+30	0.5827	0.58	O				
135+35	0.5823	0.58	O				
135+40	0.5819	0.58	O				
135+45	0.5815	0.58	O				
135+50	0.5811	0.58	O				
135+55	0.5807	0.58	O				
136+ 0	0.5803	0.58	O				

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 136+ 5       0.5799      0.58  O        |         |         |         |
 136+10       0.5796      0.58  O        |         |         |         |
 136+15       0.5792      0.58  O        |         |         |         |
 136+20       0.5788      0.58  O        |         |         |         |
 136+25       0.5784      0.58  O        |         |         |         |
 136+30       0.5780      0.58  O        |         |         |         |
 136+35       0.5776      0.58  O        |         |         |         |
 136+40       0.5772      0.58  O        |         |         |         |
 136+45       0.5768      0.58  O        |         |         |         |
 136+50       0.5764      0.58  O        |         |         |         |
 136+55       0.5760      0.58  O        |         |         |         |
 137+ 0       0.5756      0.58  O        |         |         |         |
 137+ 5       0.5753      0.58  O        |         |         |         |
 137+10       0.5749      0.57  O        |         |         |         |
 137+15       0.5745      0.57  O        |         |         |         |
 137+20       0.5741      0.57  O        |         |         |         |
 137+25       0.5737      0.57  O        |         |         |         |
 137+30       0.5733      0.57  O        |         |         |         |
 137+35       0.5729      0.57  O        |         |         |         |
 137+40       0.5725      0.57  O        |         |         |         |
 137+45       0.5721      0.57  O        |         |         |         |
 137+50       0.5718      0.57  O        |         |         |         |
 137+55       0.5714      0.57  O        |         |         |         |
 138+ 0       0.5710      0.57  O        |         |         |         |
 138+ 5       0.5706      0.57  O        |         |         |         |
 138+10       0.5702      0.57  O        |         |         |         |
 138+15       0.5698      0.57  O        |         |         |         |
 138+20       0.5694      0.57  O        |         |         |         |
 138+25       0.5691      0.57  O        |         |         |         |
 138+30       0.5687      0.57  O        |         |         |         |
 138+35       0.5683      0.57  O        |         |         |         |
 138+40       0.5679      0.57  O        |         |         |         |
 138+45       0.5675      0.57  O        |         |         |         |
 138+50       0.5671      0.57  O        |         |         |         |
 138+55       0.5667      0.57  O        |         |         |         |
 139+ 0       0.5664      0.57  O        |         |         |         |
 139+ 5       0.5660      0.57  O        |         |         |         |
 139+10       0.5656      0.57  O        |         |         |         |
 139+15       0.5652      0.57  O        |         |         |         |
 139+20       0.5648      0.56  O        |         |         |         |
 139+25       0.5645      0.56  O        |         |         |         |
 139+30       0.5641      0.56  O        |         |         |         |
 139+35       0.5637      0.56  O        |         |         |         |
 139+40       0.5633      0.56  O        |         |         |         |
 139+45       0.5629      0.56  O        |         |         |         |
 139+50       0.5625      0.56  O        |         |         |         |
 139+55       0.5622      0.56  O        |         |         |         |
-------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA**************************
                      Number of intervals =  3604
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =       33.949 (CFS)
                      Total volume =      33.313 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------------
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        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        9.200 to Point/Station        9.500
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ---------------------------------------------------------------------
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 2 with
        a starting time of   0.00 hours and ending time of  25.00 hours
        With a total volume of      22.82(Ac.Ft)
        ***************************HYDROGRAPH DATA**************************
                      Number of intervals =     0
                      Time interval =    0.0 (Min.)
                      Maximum/Peak flow rate =        0.000 (CFS)
                      Total volume =       0.000 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000    33.949     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000    22.821     0.000     0.000     0.000
        *************************************************************************

        -------------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station        9.600 to Point/Station        9.500
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ---------------------------------------------------------------------
        ******************** HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP9C10024100.rte
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        0.7       1.4       2.1       2.8
---------------------------------------------------------------------------
  0+ 5       0.0170      0.02  Q        |         |         |         |
  0+10       0.0347      0.03  Q        |         |         |         |
  0+15       0.0367      0.04  Q        |         |         |         |
  0+20       0.0454      0.05  Q        |         |         |         |
  0+25       0.0543      0.05  Q        |         |         |         |
  0+30       0.0553      0.06  Q        |         |         |         |
  0+35       0.0554      0.06  Q        |         |         |         |
  0+40       0.0554      0.06  Q        |         |         |         |
  0+45       0.0554      0.06  Q        |         |         |         |
  0+50       0.0639      0.06  Q        |         |         |         |
  0+55       0.0728      0.07  |Q       |         |         |         |
  1+ 0       0.0737      0.07  |Q       |         |         |         |
  1+ 5       0.0654      0.07  Q        |         |         |         |
  1+10       0.0565      0.06  Q        |         |         |         |
  1+15       0.0555      0.06  Q        |         |         |         |
  1+20       0.0554      0.06  Q        |         |         |         |
  1+25       0.0554      0.06  Q        |         |         |         |
  1+30       0.0554      0.06  Q        |         |         |         |
  1+35       0.0554      0.06  Q        |         |         |         |
  1+40       0.0554      0.06  Q        |         |         |         |
  1+45       0.0554      0.06  Q        |         |         |         |
  1+50       0.0639      0.06  Q        |         |         |         |
  1+55       0.0728      0.07  |Q       |         |         |         |
  2+ 0       0.0737      0.07  |Q       |         |         |         |
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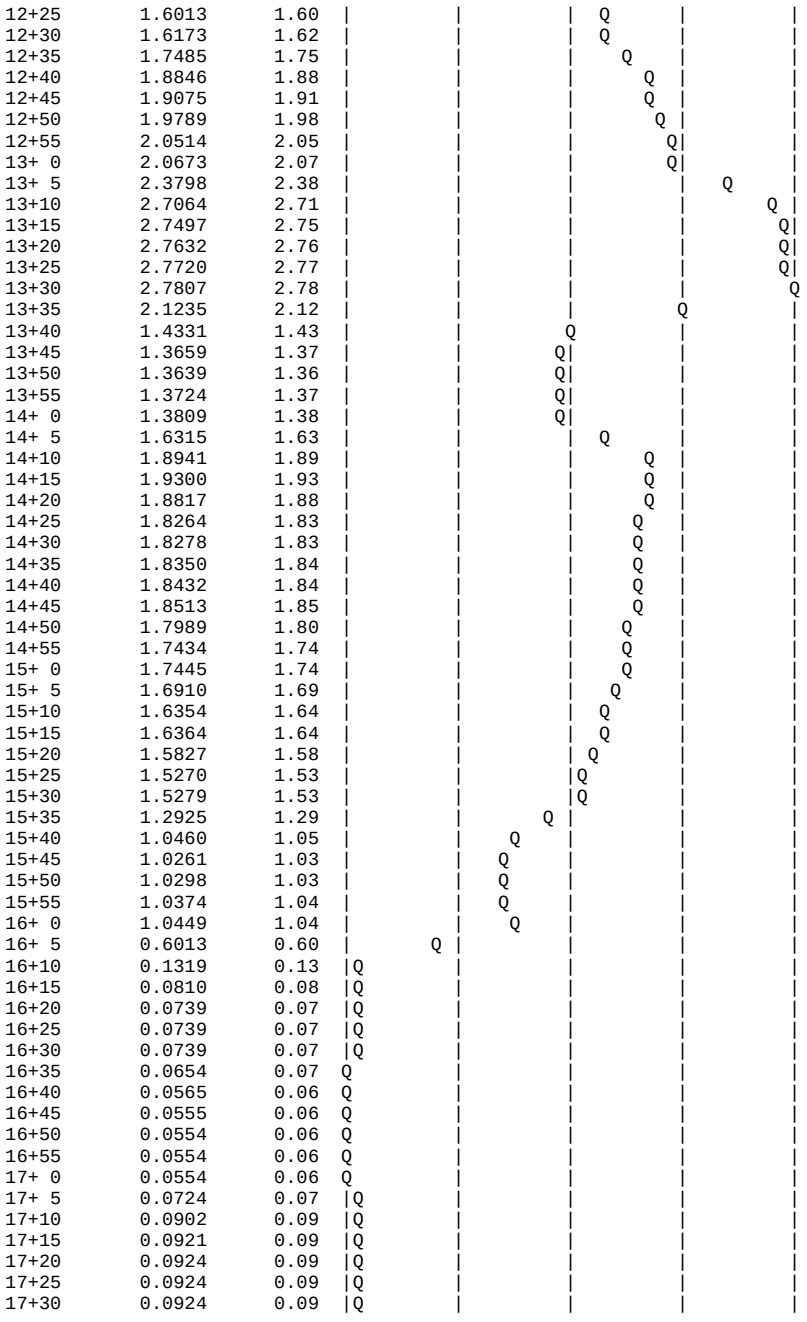
2+ 5      0.0739      0.07  |Q       |        |        |        |
2+10      0.0739      0.07  |Q       |        |        |        |
2+15      0.0739      0.07  |Q       |        |        |        |
2+20      0.0739      0.07  |Q       |        |        |        |
2+25      0.0739      0.07  |Q       |        |        |        |
2+30      0.0739      0.07  |Q       |        |        |        |
2+35      0.0824      0.08  |Q       |        |        |        |
2+40      0.0913      0.09  |Q       |        |        |        |
2+45      0.0922      0.09  |Q       |        |        |        |
2+50      0.0924      0.09  |Q       |        |        |        |
2+55      0.0924      0.09  |Q       |        |        |        |
3+ 0      0.0924      0.09  |Q       |        |        |        |
3+ 5      0.0924      0.09  |Q       |        |        |        |
3+10      0.0924      0.09  |Q       |        |        |        |
3+15      0.0924      0.09  |Q       |        |        |        |
3+20      0.0924      0.09  |Q       |        |        |        |
3+25      0.0924      0.09  |Q       |        |        |        |
3+30      0.0924      0.09  |Q       |        |        |        |
3+35      0.0924      0.09  |Q       |        |        |        |
3+40      0.0924      0.09  |Q       |        |        |        |
3+45      0.0924      0.09  |Q       |        |        |        |
3+50      0.1008      0.10  |Q       |        |        |        |
3+55      0.1097      0.11  |Q       |        |        |        |
4+ 0      0.1107      0.11  |Q       |        |        |        |
4+ 5      0.1108      0.11  |Q       |        |        |        |
4+10      0.1108      0.11  |Q       |        |        |        |
4+15      0.1108      0.11  |Q       |        |        |        |
4+20      0.1193      0.12  |Q       |        |        |        |
4+25      0.1282      0.13  |Q       |        |        |        |
4+30      0.1292      0.13  |Q       |        |        |        |
4+35      0.1293      0.13  |Q       |        |        |        |
4+40      0.1293      0.13  |Q       |        |        |        |
4+45      0.1293      0.13  |Q       |        |        |        |
4+50      0.1378      0.14  |Q       |        |        |        |
4+55      0.1467      0.15  | Q      |        |        |        |
5+ 0      0.1476      0.15  | Q      |        |        |        |
5+ 5      0.1308      0.13  |Q       |        |        |        |
5+10      0.1130      0.11  |Q       |        |        |        |
5+15      0.1111      0.11  |Q       |        |        |        |
5+20      0.1193      0.12  |Q       |        |        |        |
5+25      0.1282      0.13  |Q       |        |        |        |
5+30      0.1292      0.13  |Q       |        |        |        |
5+35      0.1378      0.14  |Q       |        |        |        |
5+40      0.1467      0.15  | Q      |        |        |        |
5+45      0.1476      0.15  | Q      |        |        |        |
5+50      0.1478      0.15  | Q      |        |        |        |
5+55      0.1478      0.15  | Q      |        |        |        |
6+ 0      0.1478      0.15  | Q      |        |        |        |
6+ 5      0.1562      0.16  | Q      |        |        |        |
6+10      0.1651      0.17  | Q      |        |        |        |
6+15      0.1661      0.17  | Q      |        |        |        |
6+20      0.1662      0.17  | Q      |        |        |        |
6+25      0.1662      0.17  | Q      |        |        |        |
6+30      0.1662      0.17  | Q      |        |        |        |
6+35      0.1747      0.17  | Q      |        |        |        |
6+40      0.1836      0.18  | Q      |        |        |        |
6+45      0.1846      0.18  | Q      |        |        |        |
6+50      0.1847      0.18  | Q      |        |        |        |
6+55      0.1847      0.18  | Q      |        |        |        |
7+ 0      0.1847      0.18  | Q      |        |        |        |
7+ 5      0.1847      0.18  | Q      |        |        |        |
7+10      0.1847      0.18  | Q      |        |        |        |
7+15      0.1847      0.18  | Q      |        |        |        |
7+20      0.1932      0.19  | Q      |        |        |        |
7+25      0.2021      0.20  | Q      |        |        |        |
7+30      0.2030      0.20  | Q      |        |        |        |
7+35      0.2116      0.21  |  Q     |        |        |        |
7+40      0.2205      0.22  |  Q     |        |        |        |
7+45      0.2215      0.22  |  Q     |        |        |        |
7+50      0.2301      0.23  |  Q     |        |        |        |
7+55      0.2390      0.24  |  Q     |        |        |        |
8+ 0      0.2400      0.24  |  Q     |        |        |        |
8+ 5      0.2571      0.26  |  Q     |        |        |        |
8+10      0.2749      0.27  |  Q     |        |        |        |
8+15      0.2768      0.28  |  Q     |        |        |        |
8+20      0.2771      0.28  |  Q     |        |        |        |
8+25      0.2771      0.28  |  Q     |        |        |        |
8+30      0.2771      0.28  |  Q     |        |        |        |
8+35      0.2855      0.29  |   Q    |        |        |        |
8+40      0.2944      0.29  |   Q    |        |        |        |
8+45      0.2954      0.30  |   Q    |        |        |        |
8+50      0.3040      0.30  |   Q    |        |        |        |
8+55      0.3129      0.31  |   Q    |        |        |        |
9+ 0      0.3139      0.31  |   Q    |        |        |        |
9+ 5      0.3309      0.33  |   Q    |        |        |        |
9+10      0.3487      0.35  |    Q   |        |        |        |
9+15      0.3507      0.35  |    Q   |        |        |        |
9+20      0.4014      0.40  |    Q   |        |        |        |
9+25      0.4591      0.46  |     Q  |        |        |        |
9+30      0.4746      0.47  |     Q  |        |        |        |
9+35      0.5462      0.55  |      Q |        |        |        |
9+40      0.6201      0.62  |       Q|        |        |        |
9+45      0.6372      0.64  |        Q        |        |        |
9+50      0.7090      0.71  |         Q       |        |        |
9+55      0.7828      0.78  |          |Q     |        |        |
10+ 0     0.7998      0.80  |          |Q     |        |        |
10+ 5     0.5631      0.56  |       Q  |     |        |        |
10+10     0.3085      0.31  |   Q      |     |        |        |
10+15     0.2809      0.28  |   Q      |     |        |        |
10+20     0.2771      0.28  |  Q       |     |        |        |
10+25     0.2771      0.28  |  Q       |     |        |        |
10+30     0.2771      0.28  |  Q       |     |        |        |
10+35     0.4314      0.43  |     Q    |     |        |        |
10+40     0.5979      0.60  |       Q  |     |        |        |
10+45     0.6247      0.62  |       Q  |     |        |        |
10+50     0.6370      0.64  |        Q |     |        |        |
10+55     0.6468      0.65  |        Q |     |        |        |
11+ 0     0.6566      0.66  |        Q |     |        |        |
11+ 5     0.6058      0.61  |       Q  |     |        |        |
11+10     0.5519      0.55  |      Q   |     |        |        |
11+15     0.5547      0.55  |      Q   |     |        |        |
11+20     0.5634      0.56  |       Q  |     |        |        |
11+25     0.5730      0.57  |       Q  |     |        |        |
11+30     0.5826      0.58  |       Q  |     |        |        |
11+35     0.4711      0.47  |     Q    |     |        |        |
11+40     0.3535      0.35  |    Q     |     |        |        |
11+45     0.3492      0.35  |    Q     |     |        |        |
11+50     0.4172      0.42  |     Q    |     |        |        |
11+55     0.4902      0.49  |      Q   |     |        |        |
12+ 0     0.5064      0.51  |      Q   |     |        |        |
12+ 5     0.9405      0.94  |          |  Q  |        |        |
12+10     1.3946      1.39  |          |     Q        |        |
12+15     1.4521      1.45  |          |     Q        |        |
12+20     1.5286      1.53  |          |     |Q       |        |
```



12+25	1.6013	1.60	Q
12+30	1.6173	1.62	Q
12+35	1.7485	1.75	Q
12+40	1.8846	1.88	Q
12+45	1.9075	1.91	Q
12+50	1.9789	1.98	Q
12+55	2.0514	2.05	Q
13+ 0	2.0673	2.07	Q
13+ 5	2.3798	2.38	Q
13+10	2.7064	2.71	Q
13+15	2.7497	2.75	Q
13+20	2.7632	2.76	Q
13+25	2.7720	2.77	Q
13+30	2.7807	2.78	Q
13+35	2.1235	2.12	Q
13+40	1.4331	1.43	Q
13+45	1.3659	1.37	Q
13+50	1.3639	1.36	Q
13+55	1.3724	1.37	Q
14+ 0	1.3809	1.38	Q
14+ 5	1.6315	1.63	Q
14+10	1.8941	1.89	Q
14+15	1.9300	1.93	Q
14+20	1.8817	1.88	Q
14+25	1.8264	1.83	Q
14+30	1.8278	1.83	Q
14+35	1.8350	1.84	Q
14+40	1.8432	1.84	Q
14+45	1.8513	1.85	Q
14+50	1.7989	1.80	Q
14+55	1.7434	1.74	Q
15+ 0	1.7445	1.74	Q
15+ 5	1.6910	1.69	Q
15+10	1.6354	1.64	Q
15+15	1.6364	1.64	Q
15+20	1.5827	1.58	Q
15+25	1.5270	1.53	Q
15+30	1.5279	1.53	Q
15+35	1.2925	1.29	Q
15+40	1.0460	1.05	Q
15+45	1.0261	1.03	Q
15+50	1.0298	1.03	Q
15+55	1.0374	1.04	Q
16+ 0	1.0449	1.04	Q
16+ 5	0.6013	0.60	Q
16+10	0.1319	0.13	Q
16+15	0.0810	0.08	Q
16+20	0.0739	0.07	Q
16+25	0.0739	0.07	Q
16+30	0.0739	0.07	Q
16+35	0.0654	0.07	Q
16+40	0.0565	0.06	Q
16+45	0.0555	0.06	Q
16+50	0.0554	0.06	Q
16+55	0.0554	0.06	Q
17+ 0	0.0554	0.06	Q
17+ 5	0.0724	0.07	Q
17+10	0.0902	0.09	Q
17+15	0.0921	0.09	Q
17+20	0.0924	0.09	Q
17+25	0.0924	0.09	Q
17+30	0.0924	0.09	Q
17+35	0.0924	0.09	Q
17+40	0.0924	0.09	Q
17+45	0.0924	0.09	Q
17+50	0.0839	0.08	Q
17+55	0.0750	0.07	Q
18+ 0	0.0740	0.07	Q
18+ 5	0.0739	0.07	Q
18+10	0.0739	0.07	Q
18+15	0.0739	0.07	Q
18+20	0.0739	0.07	Q
18+25	0.0739	0.07	Q
18+30	0.0739	0.07	Q
18+35	0.0654	0.07	Q
18+40	0.0565	0.06	Q
18+45	0.0555	0.06	Q
18+50	0.0469	0.05	Q
18+55	0.0380	0.04	Q
19+ 0	0.0371	0.04	Q
19+ 5	0.0454	0.05	Q
19+10	0.0543	0.05	Q
19+15	0.0553	0.06	Q
19+20	0.0639	0.06	Q
19+25	0.0728	0.07	Q
19+30	0.0737	0.07	Q
19+35	0.0654	0.07	Q
19+40	0.0565	0.06	Q
19+45	0.0555	0.06	Q
19+50	0.0469	0.05	Q
19+55	0.0380	0.04	Q
20+ 0	0.0371	0.04	Q
20+ 5	0.0454	0.05	Q
20+10	0.0543	0.05	Q
20+15	0.0553	0.06	Q
20+20	0.0554	0.06	Q
20+25	0.0554	0.06	Q
20+30	0.0554	0.06	Q
20+35	0.0554	0.06	Q
20+40	0.0554	0.06	Q
20+45	0.0554	0.06	Q
20+50	0.0469	0.05	Q
20+55	0.0380	0.04	Q
21+ 0	0.0371	0.04	Q
21+ 5	0.0454	0.05	Q
21+10	0.0543	0.05	Q
21+15	0.0553	0.06	Q
21+20	0.0469	0.05	Q
21+25	0.0380	0.04	Q
21+30	0.0371	0.04	Q
21+35	0.0454	0.05	Q
21+40	0.0543	0.05	Q
21+45	0.0553	0.06	Q
21+50	0.0469	0.05	Q
21+55	0.0380	0.04	Q
22+ 0	0.0371	0.04	Q
22+ 5	0.0454	0.05	Q
22+10	0.0543	0.05	Q
22+15	0.0553	0.06	Q
22+20	0.0469	0.05	Q
22+25	0.0380	0.04	Q
22+30	0.0371	0.04	Q
22+35	0.0369	0.04	Q
22+40	0.0369	0.04	Q

```
 22+45       0.0369      0.04  Q         |         |         |         |
 22+50       0.0369      0.04  Q         |         |         |         |
 22+55       0.0369      0.04  Q         |         |         |         |
 23+ 0       0.0369      0.04  Q         |         |         |         |
 23+ 5       0.0369      0.04  Q         |         |         |         |
 23+10       0.0369      0.04  Q         |         |         |         |
 23+15       0.0369      0.04  Q         |         |         |         |
 23+20       0.0369      0.04  Q         |         |         |         |
 23+25       0.0369      0.04  Q         |         |         |         |
 23+30       0.0369      0.04  Q         |         |         |         |
 23+35       0.0369      0.04  Q         |         |         |         |
 23+40       0.0369      0.04  Q         |         |         |         |
 23+45       0.0369      0.04  Q         |         |         |         |
 23+50       0.0369      0.04  Q         |         |         |         |
 23+55       0.0369      0.04  Q         |         |         |         |
 24+ 0       0.0369      0.04  Q         |         |         |         |
 24+ 5       0.0200      0.02  Q         |         |         |         |
 24+10       0.0022      0.00  Q         |         |         |         |
 24+15       0.0003      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
       ***************************HYDROGRAPH DATA**************************
                    Number of intervals =   291
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        2.781 (CFS)
                    Total volume =       0.840 (Ac.Ft)
              Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000    33.949     0.000     0.000     0.000
              Vol (Ac.Ft)     0.000    22.821     0.000     0.000     0.000
       ********************************************************************

       ------------------------------------------------------------------


       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
       Process from Point/Station        9.500 to Point/Station        9.500
       **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
       ____________________________________________________________________
       From stored stream number 2 the total
       volume of      22.82 (Ac.Ft) is being added to the
       current hydrograph at its original rate from user
       with a delay time to start of addition of    0.00 hours.
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       P R I N T  O F  S T O R M
                     R u n o f f     H y d r o g r a p h
       --------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

       --------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0        8.9      17.8      26.6      35.5
 --------------------------------------------------------------------------
   0+ 5       0.0041      0.02  Q         |         |         |         |
   0+10       0.0222      0.06  Q         |         |         |         |
   0+15       0.0543      0.09  Q         |         |         |         |
   0+20       0.0932      0.14  Q         |         |         |         |
   0+25       0.1394      0.19  Q         |         |         |         |
   0+30       0.1919      0.25  Q         |         |         |         |
   0+35       0.2458      0.30  Q         |         |         |         |
   0+40       0.2988      0.35  Q         |         |         |         |
   0+45       0.3504      0.41  Q         |         |         |         |
   0+50       0.4025      0.47  Q         |         |         |         |
   0+55       0.4420      0.51  Q         |         |         |         |
   1+ 0       0.4785      0.55  Q         |         |         |         |
   1+ 5       0.5146      0.58  Q         |         |         |         |
   1+10       0.5469      0.60  Q         |         |         |         |
   1+15       0.5750      0.63  Q         |         |         |         |
   1+20       0.6014      0.66  Q         |         |         |         |
   1+25       0.6272      0.68  Q         |         |         |         |
   1+30       0.6525      0.71  Q         |         |         |         |
   1+35       0.6776      0.73  Q         |         |         |         |
   1+40       0.7024      0.76  Q         |         |         |         |
   1+45       0.7175      0.77  Q         |         |         |         |
   1+50       0.7306      0.79  Q         |         |         |         |
   1+55       0.7454      0.82  Q         |         |         |         |
   2+ 0       0.7621      0.84  Q         |         |         |         |
   2+ 5       0.7795      0.85  Q         |         |         |         |
   2+10       0.7970      0.87  Q         |         |         |         |
   2+15       0.8144      0.89  qQ        |         |         |         |
   2+20       0.8317      0.91  qQ        |         |         |         |
   2+25       0.8489      0.92  qQ        |         |         |         |
   2+30       0.8660      0.94  qQ        |         |         |         |
   2+35       0.8836      0.97  qQ        |         |         |         |
   2+40       0.9002      0.99  |Q        |         |         |         |
   2+45       0.9178      1.01  |Q        |         |         |         |
   2+50       0.9358      1.03  |Q        |         |         |         |
   2+55       0.9539      1.05  |Q        |         |         |         |
   3+ 0       0.9720      1.06  |Q        |         |         |         |
   3+ 5       0.9882      1.08  |Q        |         |         |         |
   3+10       1.0029      1.10  |Q        |         |         |         |
   3+15       1.0174      1.11  |Q        |         |         |         |
   3+20       1.0317      1.12  |Q        |         |         |         |
   3+25       1.0448      1.14  |Q        |         |         |         |
   3+30       1.0571      1.15  |Q        |         |         |         |
   3+35       1.0691      1.16  |Q        |         |         |         |
   3+40       1.0812      1.17  |Q        |         |         |         |
   3+45       1.0931      1.19  |Q        |         |         |         |
   3+50       1.1054      1.21  |Q        |         |         |         |
   3+55       1.1187      1.23  |Q        |         |         |         |
   4+ 0       1.1331      1.24  |Q        |         |         |         |
   4+ 5       1.1480      1.26  |Q        |         |         |         |
   4+10       1.1629      1.27  |Q        |         |         |         |
   4+15       1.1771      1.29  |Q        |         |         |         |
   4+20       1.1913      1.31  |Q        |         |         |         |
   4+25       1.2064      1.33  |Q        |         |         |         |
   4+30       1.2225      1.35  |Q        |         |         |         |
   4+35       1.2390      1.37  |Q        |         |         |         |
   4+40       1.2556      1.38  |Q        |         |         |         |
   4+45       1.2721      1.40  |Q        |         |         |         |
   4+50       1.2889      1.43  |Q        |         |         |         |
   4+55       1.3056      1.45  |Q        |         |         |         |
   5+ 0       1.3210      1.47  |Q        |         |         |         |
   5+ 5       1.3358      1.47  |Q        |         |         |         |
   5+10       1.3491      1.46  |Q        |         |         |         |
   5+15       1.3607      1.47  |Q        |         |         |         |
   5+20       1.3718      1.49  |Q        |         |         |         |
   5+25       1.3823      1.51  |Q        |         |         |         |
   5+30       1.3930      1.52  |Q        |         |         |         |
   5+35       1.4042      1.54  |Q        |         |         |         |
   5+40       1.4161      1.56  |Q        |         |         |         |
   5+45       1.4282      1.58  |Q        |         |         |         |
   5+50       1.4403      1.59  |Q        |         |         |         |
   5+55       1.4524      1.60  |Q        |         |         |         |
   6+ 0       1.4646      1.61  |Q        |         |         |         |
   6+ 5       1.4770      1.63  |Q        |         |         |         |
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| | | |

26+50	0.0000	0.00	Q	|	|	|	|	32+ 0	0.0000	0.00	Q	|	|	|	|
26+55	0.0000	0.00	Q	|	|	|	|	32+ 5	0.0000	0.00	Q	|	|	|	|
27+ 0	0.0000	0.00	Q	|	|	|	|	32+10	0.0000	0.00	Q	|	|	|	|
27+ 5	0.0000	0.00	Q	|	|	|	|	32+15	0.0000	0.00	Q	|	|	|	|
27+10	0.0000	0.00	Q	|	|	|	|	32+20	0.0000	0.00	Q	|	|	|	|
27+15	0.0000	0.00	Q	|	|	|	|	32+25	0.0000	0.00	Q	|	|	|	|
27+20	0.0000	0.00	Q	|	|	|	|	32+30	0.0000	0.00	Q	|	|	|	|
27+25	0.0000	0.00	Q	|	|	|	|	32+35	0.0000	0.00	Q	|	|	|	|
27+30	0.0000	0.00	Q	|	|	|	|	32+40	0.0000	0.00	Q	|	|	|	|
27+35	0.0000	0.00	Q	|	|	|	|	32+45	0.0000	0.00	Q	|	|	|	|
27+40	0.0000	0.00	Q	|	|	|	|	32+50	0.0000	0.00	Q	|	|	|	|
27+45	0.0000	0.00	Q	|	|	|	|	32+55	0.0000	0.00	Q	|	|	|	|
27+50	0.0000	0.00	Q	|	|	|	|	33+ 0	0.0000	0.00	Q	|	|	|	|
27+55	0.0000	0.00	Q	|	|	|	|	33+ 5	0.0000	0.00	Q	|	|	|	|
28+ 0	0.0000	0.00	Q	|	|	|	|	33+10	0.0000	0.00	Q	|	|	|	|
28+ 5	0.0000	0.00	Q	|	|	|	|	33+15	0.0000	0.00	Q	|	|	|	|
28+10	0.0000	0.00	Q	|	|	|	|	33+20	0.0000	0.00	Q	|	|	|	|
28+15	0.0000	0.00	Q	|	|	|	|	33+25	0.0000	0.00	Q	|	|	|	|
28+20	0.0000	0.00	Q	|	|	|	|	33+30	0.0000	0.00	Q	|	|	|	|
28+25	0.0000	0.00	Q	|	|	|	|	33+35	0.0000	0.00	Q	|	|	|	|
28+30	0.0000	0.00	Q	|	|	|	|	33+40	0.0000	0.00	Q	|	|	|	|
28+35	0.0000	0.00	Q	|	|	|	|	33+45	0.0000	0.00	Q	|	|	|	|
28+40	0.0000	0.00	Q	|	|	|	|	33+50	0.0000	0.00	Q	|	|	|	|
28+45	0.0000	0.00	Q	|	|	|	|	33+55	0.0000	0.00	Q	|	|	|	|
28+50	0.0000	0.00	Q	|	|	|	|	34+ 0	0.0000	0.00	Q	|	|	|	|
28+55	0.0000	0.00	Q	|	|	|	|	34+ 5	0.0000	0.00	Q	|	|	|	|
29+ 0	0.0000	0.00	Q	|	|	|	|	34+10	0.0000	0.00	Q	|	|	|	|
29+ 5	0.0000	0.00	Q	|	|	|	|	34+15	0.0000	0.00	Q	|	|	|	|
29+10	0.0000	0.00	Q	|	|	|	|	34+20	0.0000	0.00	Q	|	|	|	|
29+15	0.0000	0.00	Q	|	|	|	|	34+25	0.0000	0.00	Q	|	|	|	|
29+20	0.0000	0.00	Q	|	|	|	|	34+30	0.0000	0.00	Q	|	|	|	|
29+25	0.0000	0.00	Q	|	|	|	|	34+35	0.0000	0.00	Q	|	|	|	|
29+30	0.0000	0.00	Q	|	|	|	|	34+40	0.0000	0.00	Q	|	|	|	|
29+35	0.0000	0.00	Q	|	|	|	|	34+45	0.0000	0.00	Q	|	|	|	|
29+40	0.0000	0.00	Q	|	|	|	|	34+50	0.0000	0.00	Q	|	|	|	|
29+45	0.0000	0.00	Q	|	|	|	|	34+55	0.0000	0.00	Q	|	|	|	|
29+50	0.0000	0.00	Q	|	|	|	|	35+ 0	0.0000	0.00	Q	|	|	|	|
29+55	0.0000	0.00	Q	|	|	|	|	35+ 5	0.0000	0.00	Q	|	|	|	|
30+ 0	0.0000	0.00	Q	|	|	|	|	35+10	0.0000	0.00	Q	|	|	|	|
30+ 5	0.0000	0.00	Q	|	|	|	|	35+15	0.0000	0.00	Q	|	|	|	|
30+10	0.0000	0.00	Q	|	|	|	|	35+20	0.0000	0.00	Q	|	|	|	|
30+15	0.0000	0.00	Q	|	|	|	|	35+25	0.0000	0.00	Q	|	|	|	|
30+20	0.0000	0.00	Q	|	|	|	|	35+30	0.0000	0.00	Q	|	|	|	|
30+25	0.0000	0.00	Q	|	|	|	|	35+35	0.0000	0.00	Q	|	|	|	|
30+30	0.0000	0.00	Q	|	|	|	|	35+40	0.0000	0.00	Q	|	|	|	|
30+35	0.0000	0.00	Q	|	|	|	|	35+45	0.0000	0.00	Q	|	|	|	|
30+40	0.0000	0.00	Q	|	|	|	|	35+50	0.0000	0.00	Q	|	|	|	|
30+45	0.0000	0.00	Q	|	|	|	|	35+55	0.0000	0.00	Q	|	|	|	|
30+50	0.0000	0.00	Q	|	|	|	|	36+ 0	0.0000	0.00	Q	|	|	|	|
30+55	0.0000	0.00	Q	|	|	|	|	36+ 5	0.0000	0.00	Q	|	|	|	|
31+ 0	0.0000	0.00	Q	|	|	|	|	36+10	0.0000	0.00	Q	|	|	|	|
31+ 5	0.0000	0.00	Q	|	|	|	|	36+15	0.0000	0.00	Q	|	|	|	|
31+10	0.0000	0.00	Q	|	|	|	|	36+20	0.0000	0.00	Q	|	|	|	|
31+15	0.0000	0.00	Q	|	|	|	|	36+25	0.0000	0.00	Q	|	|	|	|
31+20	0.0000	0.00	Q	|	|	|	|	36+30	0.0000	0.00	Q	|	|	|	|
31+25	0.0000	0.00	Q	|	|	|	|	36+35	0.0000	0.00	Q	|	|	|	|
31+30	0.0000	0.00	Q	|	|	|	|	36+40	0.0000	0.00	Q	|	|	|	|
31+35	0.0000	0.00	Q	|	|	|	|	36+45	0.0000	0.00	Q	|	|	|	|
31+40	0.0000	0.00	Q	|	|	|	|	36+50	0.0000	0.00	Q	|	|	|	|
31+45	0.0000	0.00	Q	|	|	|	|	36+55	0.0000	0.00	Q	|	|	|	|
31+50	0.0000	0.00	Q	|	|	|	|	37+ 0	0.0000	0.00	Q	|	|	|	|
31+55	0.0000	0.00	Q	|	|	|	|	37+ 5	0.0000	0.00	Q	|	|	|	|

37+10	0.0000	0.00	Q					42+20	0.0000	0.00	Q				
37+15	0.0000	0.00	Q					42+25	0.0000	0.00	Q				
37+20	0.0000	0.00	Q					42+30	0.0000	0.00	Q				
37+25	0.0000	0.00	Q					42+35	0.0000	0.00	Q				
37+30	0.0000	0.00	Q					42+40	0.0000	0.00	Q				
37+35	0.0000	0.00	Q					42+45	0.0000	0.00	Q				
37+40	0.0000	0.00	Q					42+50	0.0000	0.00	Q				
37+45	0.0000	0.00	Q					42+55	0.0000	0.00	Q				
37+50	0.0000	0.00	Q					43+ 0	0.0000	0.00	Q				
37+55	0.0000	0.00	Q					43+ 5	0.0000	0.00	Q				
38+ 0	0.0000	0.00	Q					43+10	0.0000	0.00	Q				
38+ 5	0.0000	0.00	Q					43+15	0.0000	0.00	Q				
38+10	0.0000	0.00	Q					43+20	0.0000	0.00	Q				
38+15	0.0000	0.00	Q					43+25	0.0000	0.00	Q				
38+20	0.0000	0.00	Q					43+30	0.0000	0.00	Q				
38+25	0.0000	0.00	Q					43+35	0.0000	0.00	Q				
38+30	0.0000	0.00	Q					43+40	0.0000	0.00	Q				
38+35	0.0000	0.00	Q					43+45	0.0000	0.00	Q				
38+40	0.0000	0.00	Q					43+50	0.0000	0.00	Q				
38+45	0.0000	0.00	Q					43+55	0.0000	0.00	Q				
38+50	0.0000	0.00	Q					44+ 0	0.0000	0.00	Q				
38+55	0.0000	0.00	Q					44+ 5	0.0000	0.00	Q				
39+ 0	0.0000	0.00	Q					44+10	0.0000	0.00	Q				
39+ 5	0.0000	0.00	Q					44+15	0.0000	0.00	Q				
39+10	0.0000	0.00	Q					44+20	0.0000	0.00	Q				
39+15	0.0000	0.00	Q					44+25	0.0000	0.00	Q				
39+20	0.0000	0.00	Q					44+30	0.0000	0.00	Q				
39+25	0.0000	0.00	Q					44+35	0.0000	0.00	Q				
39+30	0.0000	0.00	Q					44+40	0.0000	0.00	Q				
39+35	0.0000	0.00	Q					44+45	0.0000	0.00	Q				
39+40	0.0000	0.00	Q					44+50	0.0000	0.00	Q				
39+45	0.0000	0.00	Q					44+55	0.0000	0.00	Q				
39+50	0.0000	0.00	Q					45+ 0	0.0000	0.00	Q				
39+55	0.0000	0.00	Q					45+ 5	0.0000	0.00	Q				
40+ 0	0.0000	0.00	Q					45+10	0.0000	0.00	Q				
40+ 5	0.0000	0.00	Q					45+15	0.0000	0.00	Q				
40+10	0.0000	0.00	Q					45+20	0.0000	0.00	Q				
40+15	0.0000	0.00	Q					45+25	0.0000	0.00	Q				
40+20	0.0000	0.00	Q					45+30	0.0000	0.00	Q				
40+25	0.0000	0.00	Q					45+35	0.0000	0.00	Q				
40+30	0.0000	0.00	Q					45+40	0.0000	0.00	Q				
40+35	0.0000	0.00	Q					45+45	0.0000	0.00	Q				
40+40	0.0000	0.00	Q					45+50	0.0000	0.00	Q				
40+45	0.0000	0.00	Q					45+55	0.0000	0.00	Q				
40+50	0.0000	0.00	Q					46+ 0	0.0000	0.00	Q				
40+55	0.0000	0.00	Q					46+ 5	0.0000	0.00	Q				
41+ 0	0.0000	0.00	Q					46+10	0.0000	0.00	Q				
41+ 5	0.0000	0.00	Q					46+15	0.0000	0.00	Q				
41+10	0.0000	0.00	Q					46+20	0.0000	0.00	Q				
41+15	0.0000	0.00	Q					46+25	0.0000	0.00	Q				
41+20	0.0000	0.00	Q					46+30	0.0000	0.00	Q				
41+25	0.0000	0.00	Q					46+35	0.0000	0.00	Q				
41+30	0.0000	0.00	Q					46+40	0.0000	0.00	Q				
41+35	0.0000	0.00	Q					46+45	0.0000	0.00	Q				
41+40	0.0000	0.00	Q					46+50	0.0000	0.00	Q				
41+45	0.0000	0.00	Q					46+55	0.0000	0.00	Q				
41+50	0.0000	0.00	Q					47+ 0	0.0000	0.00	Q				
41+55	0.0000	0.00	Q					47+ 5	0.0000	0.00	Q				
42+ 0	0.0000	0.00	Q					47+10	0.0000	0.00	Q				
42+ 5	0.0000	0.00	Q					47+15	0.0000	0.00	Q				
42+10	0.0000	0.00	Q					47+20	0.0000	0.00	Q				
42+15	0.0000	0.00	Q					47+25	0.0000	0.00	Q				

47+30	0.0000	0.00	Q	|	|	|	|	52+40	0.0000	0.00	Q	|	|	|	|
47+35	0.0000	0.00	Q	|	|	|	|	52+45	0.0000	0.00	Q	|	|	|	|
47+40	0.0000	0.00	Q	|	|	|	|	52+50	0.0000	0.00	Q	|	|	|	|
47+45	0.0000	0.00	Q	|	|	|	|	52+55	0.0000	0.00	Q	|	|	|	|
47+50	0.0000	0.00	Q	|	|	|	|	53+ 0	0.0000	0.00	Q	|	|	|	|
47+55	0.0000	0.00	Q	|	|	|	|	53+ 5	0.0000	0.00	Q	|	|	|	|
48+ 0	0.0000	0.00	Q	|	|	|	|	53+10	0.0000	0.00	Q	|	|	|	|
48+ 5	0.0000	0.00	Q	|	|	|	|	53+15	0.0000	0.00	Q	|	|	|	|
48+10	0.0000	0.00	Q	|	|	|	|	53+20	0.0000	0.00	Q	|	|	|	|
48+15	0.0000	0.00	Q	|	|	|	|	53+25	0.0000	0.00	Q	|	|	|	|
48+20	0.0000	0.00	Q	|	|	|	|	53+30	0.0000	0.00	Q	|	|	|	|
48+25	0.0000	0.00	Q	|	|	|	|	53+35	0.0000	0.00	Q	|	|	|	|
48+30	0.0000	0.00	Q	|	|	|	|	53+40	0.0000	0.00	Q	|	|	|	|
48+35	0.0000	0.00	Q	|	|	|	|	53+45	0.0000	0.00	Q	|	|	|	|
48+40	0.0000	0.00	Q	|	|	|	|	53+50	0.0000	0.00	Q	|	|	|	|
48+45	0.0000	0.00	Q	|	|	|	|	53+55	0.0000	0.00	Q	|	|	|	|
48+50	0.0000	0.00	Q	|	|	|	|	54+ 0	0.0000	0.00	Q	|	|	|	|
48+55	0.0000	0.00	Q	|	|	|	|	54+ 5	0.0000	0.00	Q	|	|	|	|
49+ 0	0.0000	0.00	Q	|	|	|	|	54+10	0.0000	0.00	Q	|	|	|	|
49+ 5	0.0000	0.00	Q	|	|	|	|	54+15	0.0000	0.00	Q	|	|	|	|
49+10	0.0000	0.00	Q	|	|	|	|	54+20	0.0000	0.00	Q	|	|	|	|
49+15	0.0000	0.00	Q	|	|	|	|	54+25	0.0000	0.00	Q	|	|	|	|
49+20	0.0000	0.00	Q	|	|	|	|	54+30	0.0000	0.00	Q	|	|	|	|
49+25	0.0000	0.00	Q	|	|	|	|	54+35	0.0000	0.00	Q	|	|	|	|
49+30	0.0000	0.00	Q	|	|	|	|	54+40	0.0000	0.00	Q	|	|	|	|
49+35	0.0000	0.00	Q	|	|	|	|	54+45	0.0000	0.00	Q	|	|	|	|
49+40	0.0000	0.00	Q	|	|	|	|	54+50	0.0000	0.00	Q	|	|	|	|
49+45	0.0000	0.00	Q	|	|	|	|	54+55	0.0000	0.00	Q	|	|	|	|
49+50	0.0000	0.00	Q	|	|	|	|	55+ 0	0.0000	0.00	Q	|	|	|	|
49+55	0.0000	0.00	Q	|	|	|	|	55+ 5	0.0000	0.00	Q	|	|	|	|
50+ 0	0.0000	0.00	Q	|	|	|	|	55+10	0.0000	0.00	Q	|	|	|	|
50+ 5	0.0000	0.00	Q	|	|	|	|	55+15	0.0000	0.00	Q	|	|	|	|
50+10	0.0000	0.00	Q	|	|	|	|	55+20	0.0000	0.00	Q	|	|	|	|
50+15	0.0000	0.00	Q	|	|	|	|	55+25	0.0000	0.00	Q	|	|	|	|
50+20	0.0000	0.00	Q	|	|	|	|	55+30	0.0000	0.00	Q	|	|	|	|
50+25	0.0000	0.00	Q	|	|	|	|	55+35	0.0000	0.00	Q	|	|	|	|
50+30	0.0000	0.00	Q	|	|	|	|	55+40	0.0000	0.00	Q	|	|	|	|
50+35	0.0000	0.00	Q	|	|	|	|	55+45	0.0000	0.00	Q	|	|	|	|
50+40	0.0000	0.00	Q	|	|	|	|	55+50	0.0000	0.00	Q	|	|	|	|
50+45	0.0000	0.00	Q	|	|	|	|	55+55	0.0000	0.00	Q	|	|	|	|
50+50	0.0000	0.00	Q	|	|	|	|	56+ 0	0.0000	0.00	Q	|	|	|	|
50+55	0.0000	0.00	Q	|	|	|	|	56+ 5	0.0000	0.00	Q	|	|	|	|
51+ 0	0.0000	0.00	Q	|	|	|	|	56+10	0.0000	0.00	Q	|	|	|	|
51+ 5	0.0000	0.00	Q	|	|	|	|	56+15	0.0000	0.00	Q	|	|	|	|
51+10	0.0000	0.00	Q	|	|	|	|	56+20	0.0000	0.00	Q	|	|	|	|
51+15	0.0000	0.00	Q	|	|	|	|	56+25	0.0000	0.00	Q	|	|	|	|
51+20	0.0000	0.00	Q	|	|	|	|	56+30	0.0000	0.00	Q	|	|	|	|
51+25	0.0000	0.00	Q	|	|	|	|	56+35	0.0000	0.00	Q	|	|	|	|
51+30	0.0000	0.00	Q	|	|	|	|	56+40	0.0000	0.00	Q	|	|	|	|
51+35	0.0000	0.00	Q	|	|	|	|	56+45	0.0000	0.00	Q	|	|	|	|
51+40	0.0000	0.00	Q	|	|	|	|	56+50	0.0000	0.00	Q	|	|	|	|
51+45	0.0000	0.00	Q	|	|	|	|	56+55	0.0000	0.00	Q	|	|	|	|
51+50	0.0000	0.00	Q	|	|	|	|	57+ 0	0.0000	0.00	Q	|	|	|	|
51+55	0.0000	0.00	Q	|	|	|	|	57+ 5	0.0000	0.00	Q	|	|	|	|
52+ 0	0.0000	0.00	Q	|	|	|	|	57+10	0.0000	0.00	Q	|	|	|	|
52+ 5	0.0000	0.00	Q	|	|	|	|	57+15	0.0000	0.00	Q	|	|	|	|
52+10	0.0000	0.00	Q	|	|	|	|	57+20	0.0000	0.00	Q	|	|	|	|
52+15	0.0000	0.00	Q	|	|	|	|	57+25	0.0000	0.00	Q	|	|	|	|
52+20	0.0000	0.00	Q	|	|	|	|	57+30	0.0000	0.00	Q	|	|	|	|
52+25	0.0000	0.00	Q	|	|	|	|	57+35	0.0000	0.00	Q	|	|	|	|
52+30	0.0000	0.00	Q	|	|	|	|	57+40	0.0000	0.00	Q	|	|	|	|
52+35	0.0000	0.00	Q	|	|	|	|	57+45	0.0000	0.00	Q	|	|	|	|

57+50	0.0000	0.00	Q					63+ 0	0.0000	0.00	Q				
57+55	0.0000	0.00	Q					63+ 5	0.0000	0.00	Q				
58+ 0	0.0000	0.00	Q					63+10	0.0000	0.00	Q				
58+ 5	0.0000	0.00	Q					63+15	0.0000	0.00	Q				
58+10	0.0000	0.00	Q					63+20	0.0000	0.00	Q				
58+15	0.0000	0.00	Q					63+25	0.0000	0.00	Q				
58+20	0.0000	0.00	Q					63+30	0.0000	0.00	Q				
58+25	0.0000	0.00	Q					63+35	0.0000	0.00	Q				
58+30	0.0000	0.00	Q					63+40	0.0000	0.00	Q				
58+35	0.0000	0.00	Q					63+45	0.0000	0.00	Q				
58+40	0.0000	0.00	Q					63+50	0.0000	0.00	Q				
58+45	0.0000	0.00	Q					63+55	0.0000	0.00	Q				
58+50	0.0000	0.00	Q					64+ 0	0.0000	0.00	Q				
58+55	0.0000	0.00	Q					64+ 5	0.0000	0.00	Q				
59+ 0	0.0000	0.00	Q					64+10	0.0000	0.00	Q				
59+ 5	0.0000	0.00	Q					64+15	0.0000	0.00	Q				
59+10	0.0000	0.00	Q					64+20	0.0000	0.00	Q				
59+15	0.0000	0.00	Q					64+25	0.0000	0.00	Q				
59+20	0.0000	0.00	Q					64+30	0.0000	0.00	Q				
59+25	0.0000	0.00	Q					64+35	0.0000	0.00	Q				
59+30	0.0000	0.00	Q					64+40	0.0000	0.00	Q				
59+35	0.0000	0.00	Q					64+45	0.0000	0.00	Q				
59+40	0.0000	0.00	Q					64+50	0.0000	0.00	Q				
59+45	0.0000	0.00	Q					64+55	0.0000	0.00	Q				
59+50	0.0000	0.00	Q					65+ 0	0.0000	0.00	Q				
59+55	0.0000	0.00	Q					65+ 5	0.0000	0.00	Q				
60+ 0	0.0000	0.00	Q					65+10	0.0000	0.00	Q				
60+ 5	0.0000	0.00	Q					65+15	0.0000	0.00	Q				
60+10	0.0000	0.00	Q					65+20	0.0000	0.00	Q				
60+15	0.0000	0.00	Q					65+25	0.0000	0.00	Q				
60+20	0.0000	0.00	Q					65+30	0.0000	0.00	Q				
60+25	0.0000	0.00	Q					65+35	0.0000	0.00	Q				
60+30	0.0000	0.00	Q					65+40	0.0000	0.00	Q				
60+35	0.0000	0.00	Q					65+45	0.0000	0.00	Q				
60+40	0.0000	0.00	Q					65+50	0.0000	0.00	Q				
60+45	0.0000	0.00	Q					65+55	0.0000	0.00	Q				
60+50	0.0000	0.00	Q					66+ 0	0.0000	0.00	Q				
60+55	0.0000	0.00	Q					66+ 5	0.0000	0.00	Q				
61+ 0	0.0000	0.00	Q					66+10	0.0000	0.00	Q				
61+ 5	0.0000	0.00	Q					66+15	0.0000	0.00	Q				
61+10	0.0000	0.00	Q					66+20	0.0000	0.00	Q				
61+15	0.0000	0.00	Q					66+25	0.0000	0.00	Q				
61+20	0.0000	0.00	Q					66+30	0.0000	0.00	Q				
61+25	0.0000	0.00	Q					66+35	0.0000	0.00	Q				
61+30	0.0000	0.00	Q					66+40	0.0000	0.00	Q				
61+35	0.0000	0.00	Q					66+45	0.0000	0.00	Q				
61+40	0.0000	0.00	Q					66+50	0.0000	0.00	Q				
61+45	0.0000	0.00	Q					66+55	0.0000	0.00	Q				
61+50	0.0000	0.00	Q					67+ 0	0.0000	0.00	Q				
61+55	0.0000	0.00	Q					67+ 5	0.0000	0.00	Q				
62+ 0	0.0000	0.00	Q					67+10	0.0000	0.00	Q				
62+ 5	0.0000	0.00	Q					67+15	0.0000	0.00	Q				
62+10	0.0000	0.00	Q					67+20	0.0000	0.00	Q				
62+15	0.0000	0.00	Q					67+25	0.0000	0.00	Q				
62+20	0.0000	0.00	Q					67+30	0.0000	0.00	Q				
62+25	0.0000	0.00	Q					67+35	0.0000	0.00	Q				
62+30	0.0000	0.00	Q					67+40	0.0000	0.00	Q				
62+35	0.0000	0.00	Q					67+45	0.0000	0.00	Q				
62+40	0.0000	0.00	Q					67+50	0.0000	0.00	Q				
62+45	0.0000	0.00	Q					67+55	0.0000	0.00	Q				
62+50	0.0000	0.00	Q					68+ 0	0.0000	0.00	Q				
62+55	0.0000	0.00	Q					68+ 5	0.0000	0.00	Q				

68+10	0.0000	0.00	Q	|	|	|	|	73+20	0.0000	0.00	Q	|	|	|	|
68+15	0.0000	0.00	Q	|	|	|	|	73+25	0.0000	0.00	Q	|	|	|	|
68+20	0.0000	0.00	Q	|	|	|	|	73+30	0.0000	0.00	Q	|	|	|	|
68+25	0.0000	0.00	Q	|	|	|	|	73+35	0.0000	0.00	Q	|	|	|	|
68+30	0.0000	0.00	Q	|	|	|	|	73+40	0.0000	0.00	Q	|	|	|	|
68+35	0.0000	0.00	Q	|	|	|	|	73+45	0.0000	0.00	Q	|	|	|	|
68+40	0.0000	0.00	Q	|	|	|	|	73+50	0.0000	0.00	Q	|	|	|	|
68+45	0.0000	0.00	Q	|	|	|	|	73+55	0.0000	0.00	Q	|	|	|	|
68+50	0.0000	0.00	Q	|	|	|	|	74+ 0	0.0000	0.00	Q	|	|	|	|
68+55	0.0000	0.00	Q	|	|	|	|	74+ 5	0.0000	0.00	Q	|	|	|	|
69+ 0	0.0000	0.00	Q	|	|	|	|	74+10	0.0000	0.00	Q	|	|	|	|
69+ 5	0.0000	0.00	Q	|	|	|	|	74+15	0.0000	0.00	Q	|	|	|	|
69+10	0.0000	0.00	Q	|	|	|	|	74+20	0.0000	0.00	Q	|	|	|	|
69+15	0.0000	0.00	Q	|	|	|	|	74+25	0.0000	0.00	Q	|	|	|	|
69+20	0.0000	0.00	Q	|	|	|	|	74+30	0.0000	0.00	Q	|	|	|	|
69+25	0.0000	0.00	Q	|	|	|	|	74+35	0.0000	0.00	Q	|	|	|	|
69+30	0.0000	0.00	Q	|	|	|	|	74+40	0.0000	0.00	Q	|	|	|	|
69+35	0.0000	0.00	Q	|	|	|	|	74+45	0.0000	0.00	Q	|	|	|	|
69+40	0.0000	0.00	Q	|	|	|	|	74+50	0.0000	0.00	Q	|	|	|	|
69+45	0.0000	0.00	Q	|	|	|	|	74+55	0.0000	0.00	Q	|	|	|	|
69+50	0.0000	0.00	Q	|	|	|	|	75+ 0	0.0000	0.00	Q	|	|	|	|
69+55	0.0000	0.00	Q	|	|	|	|	75+ 5	0.0000	0.00	Q	|	|	|	|
70+ 0	0.0000	0.00	Q	|	|	|	|	75+10	0.0000	0.00	Q	|	|	|	|
70+ 5	0.0000	0.00	Q	|	|	|	|	75+15	0.0000	0.00	Q	|	|	|	|
70+10	0.0000	0.00	Q	|	|	|	|	75+20	0.0000	0.00	Q	|	|	|	|
70+15	0.0000	0.00	Q	|	|	|	|	75+25	0.0000	0.00	Q	|	|	|	|
70+20	0.0000	0.00	Q	|	|	|	|	75+30	0.0000	0.00	Q	|	|	|	|
70+25	0.0000	0.00	Q	|	|	|	|	75+35	0.0000	0.00	Q	|	|	|	|
70+30	0.0000	0.00	Q	|	|	|	|	75+40	0.0000	0.00	Q	|	|	|	|
70+35	0.0000	0.00	Q	|	|	|	|	75+45	0.0000	0.00	Q	|	|	|	|
70+40	0.0000	0.00	Q	|	|	|	|	75+50	0.0000	0.00	Q	|	|	|	|
70+45	0.0000	0.00	Q	|	|	|	|	75+55	0.0000	0.00	Q	|	|	|	|
70+50	0.0000	0.00	Q	|	|	|	|	76+ 0	0.0000	0.00	Q	|	|	|	|
70+55	0.0000	0.00	Q	|	|	|	|	76+ 5	0.0000	0.00	Q	|	|	|	|
71+ 0	0.0000	0.00	Q	|	|	|	|	76+10	0.0000	0.00	Q	|	|	|	|
71+ 5	0.0000	0.00	Q	|	|	|	|	76+15	0.0000	0.00	Q	|	|	|	|
71+10	0.0000	0.00	Q	|	|	|	|	76+20	0.0000	0.00	Q	|	|	|	|
71+15	0.0000	0.00	Q	|	|	|	|	76+25	0.0000	0.00	Q	|	|	|	|
71+20	0.0000	0.00	Q	|	|	|	|	76+30	0.0000	0.00	Q	|	|	|	|
71+25	0.0000	0.00	Q	|	|	|	|	76+35	0.0000	0.00	Q	|	|	|	|
71+30	0.0000	0.00	Q	|	|	|	|	76+40	0.0000	0.00	Q	|	|	|	|
71+35	0.0000	0.00	Q	|	|	|	|	76+45	0.0000	0.00	Q	|	|	|	|
71+40	0.0000	0.00	Q	|	|	|	|	76+50	0.0000	0.00	Q	|	|	|	|
71+45	0.0000	0.00	Q	|	|	|	|	76+55	0.0000	0.00	Q	|	|	|	|
71+50	0.0000	0.00	Q	|	|	|	|	77+ 0	0.0000	0.00	Q	|	|	|	|
71+55	0.0000	0.00	Q	|	|	|	|	77+ 5	0.0000	0.00	Q	|	|	|	|
72+ 0	0.0000	0.00	Q	|	|	|	|	77+10	0.0000	0.00	Q	|	|	|	|
72+ 5	0.0000	0.00	Q	|	|	|	|	77+15	0.0000	0.00	Q	|	|	|	|
72+10	0.0000	0.00	Q	|	|	|	|	77+20	0.0000	0.00	Q	|	|	|	|
72+15	0.0000	0.00	Q	|	|	|	|	77+25	0.0000	0.00	Q	|	|	|	|
72+20	0.0000	0.00	Q	|	|	|	|	77+30	0.0000	0.00	Q	|	|	|	|
72+25	0.0000	0.00	Q	|	|	|	|	77+35	0.0000	0.00	Q	|	|	|	|
72+30	0.0000	0.00	Q	|	|	|	|	77+40	0.0000	0.00	Q	|	|	|	|
72+35	0.0000	0.00	Q	|	|	|	|	77+45	0.0000	0.00	Q	|	|	|	|
72+40	0.0000	0.00	Q	|	|	|	|	77+50	0.0000	0.00	Q	|	|	|	|
72+45	0.0000	0.00	Q	|	|	|	|	77+55	0.0000	0.00	Q	|	|	|	|
72+50	0.0000	0.00	Q	|	|	|	|	78+ 0	0.0000	0.00	Q	|	|	|	|
72+55	0.0000	0.00	Q	|	|	|	|	78+ 5	0.0000	0.00	Q	|	|	|	|
73+ 0	0.0000	0.00	Q	|	|	|	|	78+10	0.0000	0.00	Q	|	|	|	|
73+ 5	0.0000	0.00	Q	|	|	|	|	78+15	0.0000	0.00	Q	|	|	|	|
73+10	0.0000	0.00	Q	|	|	|	|	78+20	0.0000	0.00	Q	|	|	|	|
73+15	0.0000	0.00	Q	|	|	|	|	78+25	0.0000	0.00	Q	|	|	|	|

78+30	0.0000	0.00	Q					83+40	0.0000	0.00	Q				
78+35	0.0000	0.00	Q					83+45	0.0000	0.00	Q				
78+40	0.0000	0.00	Q					83+50	0.0000	0.00	Q				
78+45	0.0000	0.00	Q					83+55	0.0000	0.00	Q				
78+50	0.0000	0.00	Q					84+ 0	0.0000	0.00	Q				
78+55	0.0000	0.00	Q					84+ 5	0.0000	0.00	Q				
79+ 0	0.0000	0.00	Q					84+10	0.0000	0.00	Q				
79+ 5	0.0000	0.00	Q					84+15	0.0000	0.00	Q				
79+10	0.0000	0.00	Q					84+20	0.0000	0.00	Q				
79+15	0.0000	0.00	Q					84+25	0.0000	0.00	Q				
79+20	0.0000	0.00	Q					84+30	0.0000	0.00	Q				
79+25	0.0000	0.00	Q					84+35	0.0000	0.00	Q				
79+30	0.0000	0.00	Q					84+40	0.0000	0.00	Q				
79+35	0.0000	0.00	Q					84+45	0.0000	0.00	Q				
79+40	0.0000	0.00	Q					84+50	0.0000	0.00	Q				
79+45	0.0000	0.00	Q					84+55	0.0000	0.00	Q				
79+50	0.0000	0.00	Q					85+ 0	0.0000	0.00	Q				
79+55	0.0000	0.00	Q					85+ 5	0.0000	0.00	Q				
80+ 0	0.0000	0.00	Q					85+10	0.0000	0.00	Q				
80+ 5	0.0000	0.00	Q					85+15	0.0000	0.00	Q				
80+10	0.0000	0.00	Q					85+20	0.0000	0.00	Q				
80+15	0.0000	0.00	Q					85+25	0.0000	0.00	Q				
80+20	0.0000	0.00	Q					85+30	0.0000	0.00	Q				
80+25	0.0000	0.00	Q					85+35	0.0000	0.00	Q				
80+30	0.0000	0.00	Q					85+40	0.0000	0.00	Q				
80+35	0.0000	0.00	Q					85+45	0.0000	0.00	Q				
80+40	0.0000	0.00	Q					85+50	0.0000	0.00	Q				
80+45	0.0000	0.00	Q					85+55	0.0000	0.00	Q				
80+50	0.0000	0.00	Q					86+ 0	0.0000	0.00	Q				
80+55	0.0000	0.00	Q					86+ 5	0.0000	0.00	Q				
81+ 0	0.0000	0.00	Q					86+10	0.0000	0.00	Q				
81+ 5	0.0000	0.00	Q					86+15	0.0000	0.00	Q				
81+10	0.0000	0.00	Q					86+20	0.0000	0.00	Q				
81+15	0.0000	0.00	Q					86+25	0.0000	0.00	Q				
81+20	0.0000	0.00	Q					86+30	0.0000	0.00	Q				
81+25	0.0000	0.00	Q					86+35	0.0000	0.00	Q				
81+30	0.0000	0.00	Q					86+40	0.0000	0.00	Q				
81+35	0.0000	0.00	Q					86+45	0.0000	0.00	Q				
81+40	0.0000	0.00	Q					86+50	0.0000	0.00	Q				
81+45	0.0000	0.00	Q					86+55	0.0000	0.00	Q				
81+50	0.0000	0.00	Q					87+ 0	0.0000	0.00	Q				
81+55	0.0000	0.00	Q					87+ 5	0.0000	0.00	Q				
82+ 0	0.0000	0.00	Q					87+10	0.0000	0.00	Q				
82+ 5	0.0000	0.00	Q					87+15	0.0000	0.00	Q				
82+10	0.0000	0.00	Q					87+20	0.0000	0.00	Q				
82+15	0.0000	0.00	Q					87+25	0.0000	0.00	Q				
82+20	0.0000	0.00	Q					87+30	0.0000	0.00	Q				
82+25	0.0000	0.00	Q					87+35	0.0000	0.00	Q				
82+30	0.0000	0.00	Q					87+40	0.0000	0.00	Q				
82+35	0.0000	0.00	Q					87+45	0.0000	0.00	Q				
82+40	0.0000	0.00	Q					87+50	0.0000	0.00	Q				
82+45	0.0000	0.00	Q					87+55	0.0000	0.00	Q				
82+50	0.0000	0.00	Q					88+ 0	0.0000	0.00	Q				
82+55	0.0000	0.00	Q					88+ 5	0.0000	0.00	Q				
83+ 0	0.0000	0.00	Q					88+10	0.0000	0.00	Q				
83+ 5	0.0000	0.00	Q					88+15	0.0000	0.00	Q				
83+10	0.0000	0.00	Q					88+20	0.0000	0.00	Q				
83+15	0.0000	0.00	Q					88+25	0.0000	0.00	Q				
83+20	0.0000	0.00	Q					88+30	0.0000	0.00	Q				
83+25	0.0000	0.00	Q					88+35	0.0000	0.00	Q				
83+30	0.0000	0.00	Q					88+40	0.0000	0.00	Q				
83+35	0.0000	0.00	Q					88+45	0.0000	0.00	Q				

88+50	0.0000	0.00	Q	|	|	|	|	94+ 0	0.0000	0.00	Q	|	|	|	|
88+55	0.0000	0.00	Q	|	|	|	|	94+ 5	0.0000	0.00	Q	|	|	|	|
89+ 0	0.0000	0.00	Q	|	|	|	|	94+10	0.0000	0.00	Q	|	|	|	|
89+ 5	0.0000	0.00	Q	|	|	|	|	94+15	0.0000	0.00	Q	|	|	|	|
89+10	0.0000	0.00	Q	|	|	|	|	94+20	0.0000	0.00	Q	|	|	|	|
89+15	0.0000	0.00	Q	|	|	|	|	94+25	0.0000	0.00	Q	|	|	|	|
89+20	0.0000	0.00	Q	|	|	|	|	94+30	0.0000	0.00	Q	|	|	|	|
89+25	0.0000	0.00	Q	|	|	|	|	94+35	0.0000	0.00	Q	|	|	|	|
89+30	0.0000	0.00	Q	|	|	|	|	94+40	0.0000	0.00	Q	|	|	|	|
89+35	0.0000	0.00	Q	|	|	|	|	94+45	0.0000	0.00	Q	|	|	|	|
89+40	0.0000	0.00	Q	|	|	|	|	94+50	0.0000	0.00	Q	|	|	|	|
89+45	0.0000	0.00	Q	|	|	|	|	94+55	0.0000	0.00	Q	|	|	|	|
89+50	0.0000	0.00	Q	|	|	|	|	95+ 0	0.0000	0.00	Q	|	|	|	|
89+55	0.0000	0.00	Q	|	|	|	|	95+ 5	0.0000	0.00	Q	|	|	|	|
90+ 0	0.0000	0.00	Q	|	|	|	|	95+10	0.0000	0.00	Q	|	|	|	|
90+ 5	0.0000	0.00	Q	|	|	|	|	95+15	0.0000	0.00	Q	|	|	|	|
90+10	0.0000	0.00	Q	|	|	|	|	95+20	0.0000	0.00	Q	|	|	|	|
90+15	0.0000	0.00	Q	|	|	|	|	95+25	0.0000	0.00	Q	|	|	|	|
90+20	0.0000	0.00	Q	|	|	|	|	95+30	0.0000	0.00	Q	|	|	|	|
90+25	0.0000	0.00	Q	|	|	|	|	95+35	0.0000	0.00	Q	|	|	|	|
90+30	0.0000	0.00	Q	|	|	|	|	95+40	0.0000	0.00	Q	|	|	|	|
90+35	0.0000	0.00	Q	|	|	|	|	95+45	0.0000	0.00	Q	|	|	|	|
90+40	0.0000	0.00	Q	|	|	|	|	95+50	0.0000	0.00	Q	|	|	|	|
90+45	0.0000	0.00	Q	|	|	|	|	95+55	0.0000	0.00	Q	|	|	|	|
90+50	0.0000	0.00	Q	|	|	|	|	96+ 0	0.0000	0.00	Q	|	|	|	|
90+55	0.0000	0.00	Q	|	|	|	|	96+ 5	0.0000	0.00	Q	|	|	|	|
91+ 0	0.0000	0.00	Q	|	|	|	|	96+10	0.0000	0.00	Q	|	|	|	|
91+ 5	0.0000	0.00	Q	|	|	|	|	96+15	0.0000	0.00	Q	|	|	|	|
91+10	0.0000	0.00	Q	|	|	|	|	96+20	0.0000	0.00	Q	|	|	|	|
91+15	0.0000	0.00	Q	|	|	|	|	96+25	0.0000	0.00	Q	|	|	|	|
91+20	0.0000	0.00	Q	|	|	|	|	96+30	0.0000	0.00	Q	|	|	|	|
91+25	0.0000	0.00	Q	|	|	|	|	96+35	0.0000	0.00	Q	|	|	|	|
91+30	0.0000	0.00	Q	|	|	|	|	96+40	0.0000	0.00	Q	|	|	|	|
91+35	0.0000	0.00	Q	|	|	|	|	96+45	0.0000	0.00	Q	|	|	|	|
91+40	0.0000	0.00	Q	|	|	|	|	96+50	0.0000	0.00	Q	|	|	|	|
91+45	0.0000	0.00	Q	|	|	|	|	96+55	0.0000	0.00	Q	|	|	|	|
91+50	0.0000	0.00	Q	|	|	|	|	97+ 0	0.0000	0.00	Q	|	|	|	|
91+55	0.0000	0.00	Q	|	|	|	|	97+ 5	0.0000	0.00	Q	|	|	|	|
92+ 0	0.0000	0.00	Q	|	|	|	|	97+10	0.0000	0.00	Q	|	|	|	|
92+ 5	0.0000	0.00	Q	|	|	|	|	97+15	0.0000	0.00	Q	|	|	|	|
92+10	0.0000	0.00	Q	|	|	|	|	97+20	0.0000	0.00	Q	|	|	|	|
92+15	0.0000	0.00	Q	|	|	|	|	97+25	0.0000	0.00	Q	|	|	|	|
92+20	0.0000	0.00	Q	|	|	|	|	97+30	0.0000	0.00	Q	|	|	|	|
92+25	0.0000	0.00	Q	|	|	|	|	97+35	0.0000	0.00	Q	|	|	|	|
92+30	0.0000	0.00	Q	|	|	|	|	97+40	0.0000	0.00	Q	|	|	|	|
92+35	0.0000	0.00	Q	|	|	|	|	97+45	0.0000	0.00	Q	|	|	|	|
92+40	0.0000	0.00	Q	|	|	|	|	97+50	0.0000	0.00	Q	|	|	|	|
92+45	0.0000	0.00	Q	|	|	|	|	97+55	0.0000	0.00	Q	|	|	|	|
92+50	0.0000	0.00	Q	|	|	|	|	98+ 0	0.0000	0.00	Q	|	|	|	|
92+55	0.0000	0.00	Q	|	|	|	|	98+ 5	0.0000	0.00	Q	|	|	|	|
93+ 0	0.0000	0.00	Q	|	|	|	|	98+10	0.0000	0.00	Q	|	|	|	|
93+ 5	0.0000	0.00	Q	|	|	|	|	98+15	0.0000	0.00	Q	|	|	|	|
93+10	0.0000	0.00	Q	|	|	|	|	98+20	0.0000	0.00	Q	|	|	|	|
93+15	0.0000	0.00	Q	|	|	|	|	98+25	0.0000	0.00	Q	|	|	|	|
93+20	0.0000	0.00	Q	|	|	|	|	98+30	0.0000	0.00	Q	|	|	|	|
93+25	0.0000	0.00	Q	|	|	|	|	98+35	0.0000	0.00	Q	|	|	|	|
93+30	0.0000	0.00	Q	|	|	|	|	98+40	0.0000	0.00	Q	|	|	|	|
93+35	0.0000	0.00	Q	|	|	|	|	98+45	0.0000	0.00	Q	|	|	|	|
93+40	0.0000	0.00	Q	|	|	|	|	98+50	0.0000	0.00	Q	|	|	|	|
93+45	0.0000	0.00	Q	|	|	|	|	98+55	0.0000	0.00	Q	|	|	|	|
93+50	0.0000	0.00	Q	|	|	|	|	99+ 0	0.0000	0.00	Q	|	|	|	|
93+55	0.0000	0.00	Q	|	|	|	|	99+ 5	0.0000	0.00	Q	|	|	|	|

99+10	0.0000	0.00	Q	|	|	|	|	104+20	0.0000	0.00	Q	|	|	|	|
99+15	0.0000	0.00	Q	|	|	|	|	104+25	0.0000	0.00	Q	|	|	|	|
99+20	0.0000	0.00	Q	|	|	|	|	104+30	0.0000	0.00	Q	|	|	|	|
99+25	0.0000	0.00	Q	|	|	|	|	104+35	0.0000	0.00	Q	|	|	|	|
99+30	0.0000	0.00	Q	|	|	|	|	104+40	0.0000	0.00	Q	|	|	|	|
99+35	0.0000	0.00	Q	|	|	|	|	104+45	0.0000	0.00	Q	|	|	|	|
99+40	0.0000	0.00	Q	|	|	|	|	104+50	0.0000	0.00	Q	|	|	|	|
99+45	0.0000	0.00	Q	|	|	|	|	104+55	0.0000	0.00	Q	|	|	|	|
99+50	0.0000	0.00	Q	|	|	|	|	105+ 0	0.0000	0.00	Q	|	|	|	|
99+55	0.0000	0.00	Q	|	|	|	|	105+ 5	0.0000	0.00	Q	|	|	|	|
100+ 0	0.0000	0.00	Q	|	|	|	|	105+10	0.0000	0.00	Q	|	|	|	|
100+ 5	0.0000	0.00	Q	|	|	|	|	105+15	0.0000	0.00	Q	|	|	|	|
100+10	0.0000	0.00	Q	|	|	|	|	105+20	0.0000	0.00	Q	|	|	|	|
100+15	0.0000	0.00	Q	|	|	|	|	105+25	0.0000	0.00	Q	|	|	|	|
100+20	0.0000	0.00	Q	|	|	|	|	105+30	0.0000	0.00	Q	|	|	|	|
100+25	0.0000	0.00	Q	|	|	|	|	105+35	0.0000	0.00	Q	|	|	|	|
100+30	0.0000	0.00	Q	|	|	|	|	105+40	0.0000	0.00	Q	|	|	|	|
100+35	0.0000	0.00	Q	|	|	|	|	105+45	0.0000	0.00	Q	|	|	|	|
100+40	0.0000	0.00	Q	|	|	|	|	105+50	0.0000	0.00	Q	|	|	|	|
100+45	0.0000	0.00	Q	|	|	|	|	105+55	0.0000	0.00	Q	|	|	|	|
100+50	0.0000	0.00	Q	|	|	|	|	106+ 0	0.0000	0.00	Q	|	|	|	|
100+55	0.0000	0.00	Q	|	|	|	|	106+ 5	0.0000	0.00	Q	|	|	|	|
101+ 0	0.0000	0.00	Q	|	|	|	|	106+10	0.0000	0.00	Q	|	|	|	|
101+ 5	0.0000	0.00	Q	|	|	|	|	106+15	0.0000	0.00	Q	|	|	|	|
101+10	0.0000	0.00	Q	|	|	|	|	106+20	0.0000	0.00	Q	|	|	|	|
101+15	0.0000	0.00	Q	|	|	|	|	106+25	0.0000	0.00	Q	|	|	|	|
101+20	0.0000	0.00	Q	|	|	|	|	106+30	0.0000	0.00	Q	|	|	|	|
101+25	0.0000	0.00	Q	|	|	|	|	106+35	0.0000	0.00	Q	|	|	|	|
101+30	0.0000	0.00	Q	|	|	|	|	106+40	0.0000	0.00	Q	|	|	|	|
101+35	0.0000	0.00	Q	|	|	|	|	106+45	0.0000	0.00	Q	|	|	|	|
101+40	0.0000	0.00	Q	|	|	|	|	106+50	0.0000	0.00	Q	|	|	|	|
101+45	0.0000	0.00	Q	|	|	|	|	106+55	0.0000	0.00	Q	|	|	|	|
101+50	0.0000	0.00	Q	|	|	|	|	107+ 0	0.0000	0.00	Q	|	|	|	|
101+55	0.0000	0.00	Q	|	|	|	|	107+ 5	0.0000	0.00	Q	|	|	|	|
102+ 0	0.0000	0.00	Q	|	|	|	|	107+10	0.0000	0.00	Q	|	|	|	|
102+ 5	0.0000	0.00	Q	|	|	|	|	107+15	0.0000	0.00	Q	|	|	|	|
102+10	0.0000	0.00	Q	|	|	|	|	107+20	0.0000	0.00	Q	|	|	|	|
102+15	0.0000	0.00	Q	|	|	|	|	107+25	0.0000	0.00	Q	|	|	|	|
102+20	0.0000	0.00	Q	|	|	|	|	107+30	0.0000	0.00	Q	|	|	|	|
102+25	0.0000	0.00	Q	|	|	|	|	107+35	0.0000	0.00	Q	|	|	|	|
102+30	0.0000	0.00	Q	|	|	|	|	107+40	0.0000	0.00	Q	|	|	|	|
102+35	0.0000	0.00	Q	|	|	|	|	107+45	0.0000	0.00	Q	|	|	|	|
102+40	0.0000	0.00	Q	|	|	|	|	107+50	0.0000	0.00	Q	|	|	|	|
102+45	0.0000	0.00	Q	|	|	|	|	107+55	0.0000	0.00	Q	|	|	|	|
102+50	0.0000	0.00	Q	|	|	|	|	108+ 0	0.0000	0.00	Q	|	|	|	|
102+55	0.0000	0.00	Q	|	|	|	|	108+ 5	0.0000	0.00	Q	|	|	|	|
103+ 0	0.0000	0.00	Q	|	|	|	|	108+10	0.0000	0.00	Q	|	|	|	|
103+ 5	0.0000	0.00	Q	|	|	|	|	108+15	0.0000	0.00	Q	|	|	|	|
103+10	0.0000	0.00	Q	|	|	|	|	108+20	0.0000	0.00	Q	|	|	|	|
103+15	0.0000	0.00	Q	|	|	|	|	108+25	0.0000	0.00	Q	|	|	|	|
103+20	0.0000	0.00	Q	|	|	|	|	108+30	0.0000	0.00	Q	|	|	|	|
103+25	0.0000	0.00	Q	|	|	|	|	108+35	0.0000	0.00	Q	|	|	|	|
103+30	0.0000	0.00	Q	|	|	|	|	108+40	0.0000	0.00	Q	|	|	|	|
103+35	0.0000	0.00	Q	|	|	|	|	108+45	0.0000	0.00	Q	|	|	|	|
103+40	0.0000	0.00	Q	|	|	|	|	108+50	0.0000	0.00	Q	|	|	|	|
103+45	0.0000	0.00	Q	|	|	|	|	108+55	0.0000	0.00	Q	|	|	|	|
103+50	0.0000	0.00	Q	|	|	|	|	109+ 0	0.0000	0.00	Q	|	|	|	|
103+55	0.0000	0.00	Q	|	|	|	|	109+ 5	0.0000	0.00	Q	|	|	|	|
104+ 0	0.0000	0.00	Q	|	|	|	|	109+10	0.0000	0.00	Q	|	|	|	|
104+ 5	0.0000	0.00	Q	|	|	|	|	109+15	0.0000	0.00	Q	|	|	|	|
104+10	0.0000	0.00	Q	|	|	|	|	109+20	0.0000	0.00	Q	|	|	|	|
104+15	0.0000	0.00	Q	|	|	|	|	109+25	0.0000	0.00	Q	|	|	|	|

109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				
113+35	0.0000	0.00	Q					118+45	0.0000	0.00	Q				
113+40	0.0000	0.00	Q					118+50	0.0000	0.00	Q				
113+45	0.0000	0.00	Q					118+55	0.0000	0.00	Q				
113+50	0.0000	0.00	Q					119+ 0	0.0000	0.00	Q				
113+55	0.0000	0.00	Q					119+ 5	0.0000	0.00	Q				
114+ 0	0.0000	0.00	Q					119+10	0.0000	0.00	Q				
114+ 5	0.0000	0.00	Q					119+15	0.0000	0.00	Q				
114+10	0.0000	0.00	Q					119+20	0.0000	0.00	Q				
114+15	0.0000	0.00	Q					119+25	0.0000	0.00	Q				
114+20	0.0000	0.00	Q					119+30	0.0000	0.00	Q				
114+25	0.0000	0.00	Q					119+35	0.0000	0.00	Q				
114+30	0.0000	0.00	Q					119+40	0.0000	0.00	Q				
114+35	0.0000	0.00	Q					119+45	0.0000	0.00	Q				

119+50	0.0000	0.00	Q	|	|	|	|	125+ 0	0.0000	0.00	Q	|	|	|	|
119+55	0.0000	0.00	Q	|	|	|	|	125+ 5	0.0000	0.00	Q	|	|	|	|
120+ 0	0.0000	0.00	Q	|	|	|	|	125+10	0.0000	0.00	Q	|	|	|	|
120+ 5	0.0000	0.00	Q	|	|	|	|	125+15	0.0000	0.00	Q	|	|	|	|
120+10	0.0000	0.00	Q	|	|	|	|	125+20	0.0000	0.00	Q	|	|	|	|
120+15	0.0000	0.00	Q	|	|	|	|	125+25	0.0000	0.00	Q	|	|	|	|
120+20	0.0000	0.00	Q	|	|	|	|	125+30	0.0000	0.00	Q	|	|	|	|
120+25	0.0000	0.00	Q	|	|	|	|	125+35	0.0000	0.00	Q	|	|	|	|
120+30	0.0000	0.00	Q	|	|	|	|	125+40	0.0000	0.00	Q	|	|	|	|
120+35	0.0000	0.00	Q	|	|	|	|	125+45	0.0000	0.00	Q	|	|	|	|
120+40	0.0000	0.00	Q	|	|	|	|	125+50	0.0000	0.00	Q	|	|	|	|
120+45	0.0000	0.00	Q	|	|	|	|	125+55	0.0000	0.00	Q	|	|	|	|
120+50	0.0000	0.00	Q	|	|	|	|	126+ 0	0.0000	0.00	Q	|	|	|	|
120+55	0.0000	0.00	Q	|	|	|	|	126+ 5	0.0000	0.00	Q	|	|	|	|
121+ 0	0.0000	0.00	Q	|	|	|	|	126+10	0.0000	0.00	Q	|	|	|	|
121+ 5	0.0000	0.00	Q	|	|	|	|	126+15	0.0000	0.00	Q	|	|	|	|
121+10	0.0000	0.00	Q	|	|	|	|	126+20	0.0000	0.00	Q	|	|	|	|
121+15	0.0000	0.00	Q	|	|	|	|	126+25	0.0000	0.00	Q	|	|	|	|
121+20	0.0000	0.00	Q	|	|	|	|	126+30	0.0000	0.00	Q	|	|	|	|
121+25	0.0000	0.00	Q	|	|	|	|	126+35	0.0000	0.00	Q	|	|	|	|
121+30	0.0000	0.00	Q	|	|	|	|	126+40	0.0000	0.00	Q	|	|	|	|
121+35	0.0000	0.00	Q	|	|	|	|	126+45	0.0000	0.00	Q	|	|	|	|
121+40	0.0000	0.00	Q	|	|	|	|	126+50	0.0000	0.00	Q	|	|	|	|
121+45	0.0000	0.00	Q	|	|	|	|	126+55	0.0000	0.00	Q	|	|	|	|
121+50	0.0000	0.00	Q	|	|	|	|	127+ 0	0.0000	0.00	Q	|	|	|	|
121+55	0.0000	0.00	Q	|	|	|	|	127+ 5	0.0000	0.00	Q	|	|	|	|
122+ 0	0.0000	0.00	Q	|	|	|	|	127+10	0.0000	0.00	Q	|	|	|	|
122+ 5	0.0000	0.00	Q	|	|	|	|	127+15	0.0000	0.00	Q	|	|	|	|
122+10	0.0000	0.00	Q	|	|	|	|	127+20	0.0000	0.00	Q	|	|	|	|
122+15	0.0000	0.00	Q	|	|	|	|	127+25	0.0000	0.00	Q	|	|	|	|
122+20	0.0000	0.00	Q	|	|	|	|	127+30	0.0000	0.00	Q	|	|	|	|
122+25	0.0000	0.00	Q	|	|	|	|	127+35	0.0000	0.00	Q	|	|	|	|
122+30	0.0000	0.00	Q	|	|	|	|	127+40	0.0000	0.00	Q	|	|	|	|
122+35	0.0000	0.00	Q	|	|	|	|	127+45	0.0000	0.00	Q	|	|	|	|
122+40	0.0000	0.00	Q	|	|	|	|	127+50	0.0000	0.00	Q	|	|	|	|
122+45	0.0000	0.00	Q	|	|	|	|	127+55	0.0000	0.00	Q	|	|	|	|
122+50	0.0000	0.00	Q	|	|	|	|	128+ 0	0.0000	0.00	Q	|	|	|	|
122+55	0.0000	0.00	Q	|	|	|	|	128+ 5	0.0000	0.00	Q	|	|	|	|
123+ 0	0.0000	0.00	Q	|	|	|	|	128+10	0.0000	0.00	Q	|	|	|	|
123+ 5	0.0000	0.00	Q	|	|	|	|	128+15	0.0000	0.00	Q	|	|	|	|
123+10	0.0000	0.00	Q	|	|	|	|	128+20	0.0000	0.00	Q	|	|	|	|
123+15	0.0000	0.00	Q	|	|	|	|	128+25	0.0000	0.00	Q	|	|	|	|
123+20	0.0000	0.00	Q	|	|	|	|	128+30	0.0000	0.00	Q	|	|	|	|
123+25	0.0000	0.00	Q	|	|	|	|	128+35	0.0000	0.00	Q	|	|	|	|
123+30	0.0000	0.00	Q	|	|	|	|	128+40	0.0000	0.00	Q	|	|	|	|
123+35	0.0000	0.00	Q	|	|	|	|	128+45	0.0000	0.00	Q	|	|	|	|
123+40	0.0000	0.00	Q	|	|	|	|	128+50	0.0000	0.00	Q	|	|	|	|
123+45	0.0000	0.00	Q	|	|	|	|	128+55	0.0000	0.00	Q	|	|	|	|
123+50	0.0000	0.00	Q	|	|	|	|	129+ 0	0.0000	0.00	Q	|	|	|	|
123+55	0.0000	0.00	Q	|	|	|	|	129+ 5	0.0000	0.00	Q	|	|	|	|
124+ 0	0.0000	0.00	Q	|	|	|	|	129+10	0.0000	0.00	Q	|	|	|	|
124+ 5	0.0000	0.00	Q	|	|	|	|	129+15	0.0000	0.00	Q	|	|	|	|
124+10	0.0000	0.00	Q	|	|	|	|	129+20	0.0000	0.00	Q	|	|	|	|
124+15	0.0000	0.00	Q	|	|	|	|	129+25	0.0000	0.00	Q	|	|	|	|
124+20	0.0000	0.00	Q	|	|	|	|	129+30	0.0000	0.00	Q	|	|	|	|
124+25	0.0000	0.00	Q	|	|	|	|	129+35	0.0000	0.00	Q	|	|	|	|
124+30	0.0000	0.00	Q	|	|	|	|	129+40	0.0000	0.00	Q	|	|	|	|
124+35	0.0000	0.00	Q	|	|	|	|	129+45	0.0000	0.00	Q	|	|	|	|
124+40	0.0000	0.00	Q	|	|	|	|	129+50	0.0000	0.00	Q	|	|	|	|
124+45	0.0000	0.00	Q	|	|	|	|	129+55	0.0000	0.00	Q	|	|	|	|
124+50	0.0000	0.00	Q	|	|	|	|	130+ 0	0.0000	0.00	Q	|	|	|	|
124+55	0.0000	0.00	Q	|	|	|	|	130+ 5	0.0000	0.00	Q	|	|	|	|

130+10	0.0000	0.00	Q				
130+15	0.0000	0.00	Q				
130+20	0.0000	0.00	Q				
130+25	0.0000	0.00	Q				
130+30	0.0000	0.00	Q				
130+35	0.0000	0.00	Q				
130+40	0.0000	0.00	Q				
130+45	0.0000	0.00	Q				
130+50	0.0000	0.00	Q				
130+55	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q				
131+10	0.0000	0.00	Q				
131+15	0.0000	0.00	Q				
131+20	0.0000	0.00	Q				
131+25	0.0000	0.00	Q				
131+30	0.0000	0.00	Q				
131+35	0.0000	0.00	Q				
131+40	0.0000	0.00	Q				
131+45	0.0000	0.00	Q				
131+50	0.0000	0.00	Q				
131+55	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q				
132+10	0.0000	0.00	Q				
132+15	0.0000	0.00	Q				
132+20	0.0000	0.00	Q				
132+25	0.0000	0.00	Q				
132+30	0.0000	0.00	Q				
132+35	0.0000	0.00	Q				
132+40	0.0000	0.00	Q				
132+45	0.0000	0.00	Q				
132+50	0.0000	0.00	Q				
132+55	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q				
133+10	0.0000	0.00	Q				
133+15	0.0000	0.00	Q				
133+20	0.0000	0.00	Q				
133+25	0.0000	0.00	Q				
133+30	0.0000	0.00	Q				
133+35	0.0000	0.00	Q				
133+40	0.0000	0.00	Q				
133+45	0.0000	0.00	Q				
133+50	0.0000	0.00	Q				
133+55	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q				
134+10	0.0000	0.00	Q				
134+15	0.0000	0.00	Q				
134+20	0.0000	0.00	Q				
134+25	0.0000	0.00	Q				
134+30	0.0000	0.00	Q				
134+35	0.0000	0.00	Q				
134+40	0.0000	0.00	Q				
134+45	0.0000	0.00	Q				
134+50	0.0000	0.00	Q				
134+55	0.0000	0.00	Q				
135+ 0	0.0000	0.00	Q				
135+ 5	0.0000	0.00	Q				
135+10	0.0000	0.00	Q				
135+15	0.0000	0.00	Q				
135+20	0.0000	0.00	Q				
135+25	0.0000	0.00	Q				
135+30	0.0000	0.00	Q				
135+35	0.0000	0.00	Q				
135+40	0.0000	0.00	Q				
135+45	0.0000	0.00	Q				
135+50	0.0000	0.00	Q				
135+55	0.0000	0.00	Q				
136+ 0	0.0000	0.00	Q				
136+ 5	0.0000	0.00	Q				
136+10	0.0000	0.00	Q				
136+15	0.0000	0.00	Q				
136+20	0.0000	0.00	Q				
136+25	0.0000	0.00	Q				
136+30	0.0000	0.00	Q				
136+35	0.0000	0.00	Q				
136+40	0.0000	0.00	Q				
136+45	0.0000	0.00	Q				
136+50	0.0000	0.00	Q				
136+55	0.0000	0.00	Q				
137+ 0	0.0000	0.00	Q				
137+ 5	0.0000	0.00	Q				
137+10	0.0000	0.00	Q				
137+15	0.0000	0.00	Q				
137+20	0.0000	0.00	Q				
137+25	0.0000	0.00	Q				
137+30	0.0000	0.00	Q				
137+35	0.0000	0.00	Q				
137+40	0.0000	0.00	Q				
137+45	0.0000	0.00	Q				
137+50	0.0000	0.00	Q				
137+55	0.0000	0.00	Q				
138+ 0	0.0000	0.00	Q				
138+ 5	0.0000	0.00	Q				
138+10	0.0000	0.00	Q				
138+15	0.0000	0.00	Q				
138+20	0.0000	0.00	Q				
138+25	0.0000	0.00	Q				
138+30	0.0000	0.00	Q				
138+35	0.0000	0.00	Q				
138+40	0.0000	0.00	Q				
138+45	0.0000	0.00	Q				
138+50	0.0000	0.00	Q				
138+55	0.0000	0.00	Q				
139+ 0	0.0000	0.00	Q				
139+ 5	0.0000	0.00	Q				
139+10	0.0000	0.00	Q				
139+15	0.0000	0.00	Q				
139+20	0.0000	0.00	Q				
139+25	0.0000	0.00	Q				
139+30	0.0000	0.00	Q				
139+35	0.0000	0.00	Q				
139+40	0.0000	0.00	Q				
139+45	0.0000	0.00	Q				
139+50	0.0000	0.00	Q				
139+55	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 3605
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 35.520 (CFS)
Total volume = 23.661 (Ac.Ft)

```
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
**********************************************************************

----------------------------------------------------------------------
```

ROUTING TO CP10
AREAS 10A, 10B, 10C, 10D, 10E, 10F, 10G AND 10H
BASINS 8, 9, 10, AND 11

```
                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                    Study date: 08/07/24

------------------------------------------------------------------------


MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 3 HOUR
AREAS 10A, 10B, 10C, 10D, 10E, 10F, 10G & 10H
8/06/24
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP10E1003100.rte
****************************HYDROGRAPH DATA*****************************
                Number of intervals =    38
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        6.336 (CFS)
                Total volume =       0.414 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.100 to Point/Station       10.200
**** STREAM ROUTING SCS CONVEX METHOD ****
________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =   2710.00 (Ft.)
Elevation difference =   80.00 (Ft.)
Slope of channel =  0.029520 (Vert/Horiz)
Channel type - Pipe


Pipe length  =  2710.00(Ft.)   Elevation difference =  80.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     1.735(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     1.735(CFS)
Normal flow depth in pipe =    3.45(In.)
Flow top width inside pipe =   16.85(In.)
Critical Depth =    0.45(Ft.)
Pipe flow velocity =      6.23(Ft/s)
Travel time through pipe =    7.25 min.


Pipe length  =  2710.00(Ft.)   Elevation difference =  80.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =     6.336(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     6.336(CFS)
Normal flow depth in pipe =    6.55(In.)
Flow top width inside pipe =   21.38(In.)
Critical Depth =    0.89(Ft.)
Pipe flow velocity =      9.11(Ft/s)
Travel time through pipe =    4.96 min.


********************** SCS CONVEX CHANNEL ROUTING *********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8428   Travel time =   4.96 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   1.1312
        dt(routing time-step) =   4.18 (min.),   c* =   0.8767

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    P R I N T  O F  S T O R M
                  R u n o f f      H y d r o g r a p h
------------------------------------------------------------------------
              Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        1.6       3.2       4.8       6.3
------------------------------------------------------------------------
  0+ 5       0.0229      0.16  OI       |         |         |         |
  0+10       0.1588      0.27  |O       |         |         |         |
  0+15       0.2468      0.18  |O       |         |         |         |
  0+20       0.2077      0.31  |O       |         |         |         |
  0+25       0.3210      0.46  | O      |         |         |         |
  0+30       0.4661      0.63  | OI     |         |         |         |
  0+35       0.5998      0.58  |  O     |         |         |         |
  0+40       0.5921      0.63  |  O     |         |         |         |
  0+45       0.6429      0.74  |   O    |         |         |         |
  0+50       0.7069      0.59  |  IO    |         |         |         |
  0+55       0.5949      0.53  |  O     |         |         |         |
  1+ 0       0.5551      0.66  |  OI    |         |         |         |
  1+ 5       0.6923      0.95  |   O I  |         |         |         |
  1+10       0.9440      1.11  |    O I |         |         |         |
  1+15       1.0920      1.12  |     OI |         |         |         |
  1+20       1.1015      1.01  |     O  |         |         |         |
  1+25       1.0600      1.25  |     OI |         |         |         |
  1+30       1.2701      1.53  |       OI|         |         |         |
  1+35       1.4847      1.43  |        O|         |         |         |
  1+40       1.4398      1.47  |        O|         |         |         |
  1+45       1.5283      1.90  |        O|I        |         |         |
  1+50       1.8690      2.03  |         |OI       |         |         |
  1+55       1.9831      1.86  |         |IO       |         |         |
  2+ 0       1.8694      1.83  |         |O        |         |         |
  2+ 5       1.8470      1.92  |         |OI       |         |         |
  2+10       1.9969      2.54  |         | O   I   |         |         |
  2+15       2.5910      3.38  |         |     O   |I        |         |
  2+20       3.2175      2.92  |         |       I O         |         |
  2+25       3.1291      4.10  |         |         O|    I    |         |
  2+30       4.1970      5.60  |         |          |     O   |    I    |
  2+35       5.5316      6.34  |         |          |         |   O     I
```

```
  2+40       6.1136      5.48  |          |          |          |   I   O |
  2+45       5.1398      2.57  |          |     I    |          | O       |
  2+50       2.6461      0.91  |    I     |     O    |          |         |
  2+55       1.1044      0.75  |   I O    |          |          |         |
  3+ 0       0.7383      0.36  | I O      |          |          |         |
  3+ 5       0.3584      0.04  I O        |          |          |         |
  3+10       0.0742      0.00  O          |          |          |         |
  3+15       0.0101      0.00  O          |          |          |         |
  3+20       0.0012      0.00  O          |          |          |         |
  3+25       0.0000      0.00  O          |          |          |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                     Number of intervals =    41
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =        6.114 (CFS)
                     Total volume =       0.414 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ************************************************************************

      ------------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.300 to Point/Station       10.200
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ________________________________________________________________________
      ********************** HYDROGRAPH INFORMATION **********************

                     From study/file name: MESAP10G1003100.rte
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T   O F   S T O R M
                   R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals (CFS)

      ------------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0        3.3       6.6       9.9      13.2
 ------------------------------------------------------------------------
   0+ 5       0.4037      0.43  |Q         |         |         |         |
   0+10       0.5535      0.71  |qQ        |         |         |         |
   0+15       0.4914      0.74  |qQ        |         |         |         |
   0+20       0.5926      0.80  |qQ        |         |         |         |
   0+25       0.6387      0.96  |qQ        |         |         |         |
   0+30       0.8576      1.32  | q Q      |         |         |         |
   0+35       0.7199      1.32  | q Q      |         |         |         |
   0+40       0.8576      1.45  | q Q      |         |         |         |
   0+45       0.9389      1.58  | q Q      |         |         |         |
   0+50       0.7199      1.43  | q Q      |         |         |         |
   0+55       0.6984      1.29  | qQ       |         |         |         |
   1+ 0       0.8798      1.43  | q Q      |         |         |         |
   1+ 5       1.2574      1.95  |  q Q     |         |         |         |
   1+10       1.3756      2.32  |   q  Q   |         |         |         |
   1+15       1.3756      2.47  |   q  Q   |         |         |         |
   1+20       1.2163      2.32  |  q   Q   |         |         |         |
   1+25       1.6350      2.70  |   q   Q  |         |         |         |
   1+30       1.8919      3.16  |    q   Q|         |         |         |
   1+35       1.6825      3.17  |    q   Q|         |         |         |
   1+40       1.8328      3.27  |    q   Q|         |         |         |
   1+45       2.3992      3.93  |      q  |Q        |         |         |
   1+50       2.4172      4.29  |      q  | Q       |         |         |
   1+55       2.1989      4.18  |     q   | Q       |         |         |
   2+ 0       2.2194      4.09  |     q   | Q       |         |         |
   2+ 5       2.3286      4.18  |      q  | Q       |         |         |
   2+10       3.2340      5.23  |        q|    Q    |         |         |
   2+15       4.1960      6.79  |         | q      Q|         |         |
   2+20       3.2379      6.46  |        q|        Q|         |         |
   2+25       5.4226      8.55  |         |     q   |    Q    |         |
   2+30       6.7956     10.99  |         |         q         |  Q      |
   2+35       7.6600     13.19  |         |         |  q      |       Q |
   2+40       6.0944     12.21  |         |        q|         |      Q  |
   2+45       2.3093      7.45  |      q  |         | Q       |         |
   2+50       0.9980      3.64  |  q      |Q        |         |         |
   2+55       0.9389      2.04  | q   Q   |         |         |         |
   3+ 0       0.4404      1.18  |q Q      |         |         |         |
   3+ 5       0.0691      0.43  qQ        |         |         |         |
   3+10       0.0000      0.07  Q         |         |         |         |
   3+15       0.0000      0.01  Q         |         |         |         |
   3+20       0.0000      0.00  Q         |         |         |         |
   3+25       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                     Number of intervals =    41
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       13.192 (CFS)
                     Total volume =       0.921 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ************************************************************************

      ------------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.200 to Point/Station       10.200
      **** RETARDING BASIN ROUTING ****
      ________________________________________________________________________

      User entry of depth-outflow-storage data
      ------------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 41
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ------------------------------------------------------------------------
      ------------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ------------------------------------------------------------------------
      ------------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
            (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
      ------------------------------------------------------------------------
        0.000      0.000      0.000      0.000        0.000
        1.000      0.474      0.050      0.474        0.474
        2.000      1.063      0.210      1.062        1.064
        3.000      1.776      0.340      1.775        1.777
        4.000      2.621      0.430      2.620        2.622
        5.000      3.607      0.510      3.605        3.609
```

6.000	4.742	0.570	4.740	4.744
7.000	6.035	0.630	6.033	6.037
8.000	7.496	0.680	7.494	7.498
9.000	9.132	20.140	9.063	9.201
10.000	10.951	55.699	10.759	11.143

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 3.3 6.60 9.89 13.19	Depth (Ft.)
0.083	0.43	0.00	0.001	OI	0.00
0.167	0.71	0.00	0.005	OI	0.01
0.250	0.74	0.00	0.010	OI	0.02
0.333	0.80	0.00	0.016	OI	0.03
0.417	0.96	0.00	0.022	O I	0.05
0.500	1.32	0.00	0.030	O I	0.06
0.583	1.32	0.00	0.039	O I	0.08
0.667	1.45	0.01	0.048	O I	0.10
0.750	1.58	0.01	0.059	O I	0.12
0.833	1.43	0.01	0.069	O I	0.15
0.917	1.29	0.01	0.078	O I	0.16
1.000	1.43	0.01	0.088	O I	0.18
1.083	1.95	0.01	0.099	O I	0.21
1.167	2.32	0.01	0.114	O I	0.24
1.250	2.47	0.01	0.130	O I	0.27
1.333	2.32	0.02	0.146	O I	0.31
1.417	2.70	0.02	0.164	O I	0.35
1.500	3.16	0.02	0.184	O I	0.39
1.583	3.17	0.02	0.205	O I	0.43
1.667	3.27	0.02	0.227	O I	0.48
1.750	3.93	0.03	0.252	O I	0.53
1.833	4.29	0.03	0.280	O I	0.59
1.917	4.18	0.03	0.309	O I	0.65
2.000	4.09	0.04	0.337	O I	0.71
2.083	4.18	0.04	0.365	O I	0.77
2.167	5.23	0.04	0.398	O I	0.84
2.250	6.79	0.05	0.439	O I	0.93
2.333	6.46	0.05	0.484	O I	1.02
2.417	8.55	0.07	0.535	O I	1.10
2.500	10.99	0.08	0.602	O I	1.22
2.583	13.19	0.11	0.685	O I	1.36
2.667	12.21	0.13	0.771	O I	1.50
2.750	7.45	0.15	0.838	O I	1.62
2.833	3.64	0.16	0.875	O I	1.68
2.917	2.04	0.16	0.894	O I	1.71
3.000	1.18	0.17	0.904	O I	1.73
3.083	0.43	0.17	0.908	OI	1.74
3.167	0.07	0.17	0.908	O	1.74
3.250	0.01	0.17	0.908	O	1.74
3.333	0.00	0.17	0.906	O	1.73
3.417	0.00	0.17	0.905	O	1.73
3.500	0.00	0.17	0.904	O	1.73
3.583	0.00	0.17	0.903	O	1.73
3.667	0.00	0.17	0.902	O	1.73
3.750	0.00	0.17	0.901	O	1.72
3.833	0.00	0.17	0.900	O	1.72
3.917	0.00	0.17	0.898	O	1.72
4.000	0.00	0.16	0.897	O	1.72
4.083	0.00	0.16	0.896	O	1.72
4.167	0.00	0.16	0.895	O	1.71
4.250	0.00	0.16	0.894	O	1.71
4.333	0.00	0.16	0.893	O	1.71
4.417	0.00	0.16	0.892	O	1.71
4.500	0.00	0.16	0.891	O	1.71
4.583	0.00	0.16	0.889	O	1.71
4.667	0.00	0.16	0.888	O	1.70
4.750	0.00	0.16	0.887	O	1.70
4.833	0.00	0.16	0.886	O	1.70
4.917	0.00	0.16	0.885	O	1.70
5.000	0.00	0.16	0.884	O	1.70
5.083	0.00	0.16	0.883	O	1.69
5.167	0.00	0.16	0.882	O	1.69
5.250	0.00	0.16	0.881	O	1.69
5.333	0.00	0.16	0.879	O	1.69
5.417	0.00	0.16	0.878	O	1.69
5.500	0.00	0.16	0.877	O	1.68
5.583	0.00	0.16	0.876	O	1.68
5.667	0.00	0.16	0.875	O	1.68
5.750	0.00	0.16	0.874	O	1.68
5.833	0.00	0.16	0.873	O	1.68
5.917	0.00	0.16	0.872	O	1.68
6.000	0.00	0.16	0.871	O	1.67
6.083	0.00	0.16	0.870	O	1.67
6.167	0.00	0.16	0.868	O	1.67
6.250	0.00	0.16	0.867	O	1.67
6.333	0.00	0.16	0.866	O	1.67
6.417	0.00	0.16	0.865	O	1.66
6.500	0.00	0.16	0.864	O	1.66
6.583	0.00	0.16	0.863	O	1.66
6.667	0.00	0.16	0.862	O	1.66
6.750	0.00	0.16	0.861	O	1.66
6.833	0.00	0.15	0.860	O	1.66
6.917	0.00	0.15	0.859	O	1.65
7.000	0.00	0.15	0.858	O	1.65
7.083	0.00	0.15	0.857	O	1.65
7.167	0.00	0.15	0.856	O	1.65
7.250	0.00	0.15	0.855	O	1.65
7.333	0.00	0.15	0.854	O	1.64
7.417	0.00	0.15	0.852	O	1.64
7.500	0.00	0.15	0.851	O	1.64
7.583	0.00	0.15	0.850	O	1.64
7.667	0.00	0.15	0.849	O	1.64
7.750	0.00	0.15	0.848	O	1.64
7.833	0.00	0.15	0.847	O	1.63
7.917	0.00	0.15	0.846	O	1.63
8.000	0.00	0.15	0.845	O	1.63
8.083	0.00	0.15	0.844	O	1.63
8.167	0.00	0.15	0.843	O	1.63
8.250	0.00	0.15	0.842	O	1.62
8.333	0.00	0.15	0.841	O	1.62
8.417	0.00	0.15	0.840	O	1.62
8.500	0.00	0.15	0.839	O	1.62
8.583	0.00	0.15	0.838	O	1.62
8.667	0.00	0.15	0.837	O	1.62
8.750	0.00	0.15	0.836	O	1.61
8.833	0.00	0.15	0.835	O	1.61
8.917	0.00	0.15	0.834	O	1.61
9.000	0.00	0.15	0.833	O	1.61
9.083	0.00	0.15	0.832	O	1.61
9.167	0.00	0.15	0.831	O	1.61
9.250	0.00	0.15	0.830	O	1.60

9.333	0.00	0.15	0.829	O	|	|	|	|	1.60	14.500	0.00	0.13	0.770	O	|	|	|	|	1.50
9.417	0.00	0.15	0.828	O	|	|	|	|	1.60	14.583	0.00	0.13	0.769	O	|	|	|	|	1.50
9.500	0.00	0.15	0.827	O	|	|	|	|	1.60	14.667	0.00	0.13	0.768	O	|	|	|	|	1.50
9.583	0.00	0.15	0.826	O	|	|	|	|	1.60	14.750	0.00	0.13	0.767	O	|	|	|	|	1.50
9.667	0.00	0.15	0.825	O	|	|	|	|	1.60	14.833	0.00	0.13	0.766	O	|	|	|	|	1.50
9.750	0.00	0.15	0.824	O	|	|	|	|	1.59	14.917	0.00	0.13	0.765	O	|	|	|	|	1.49
9.833	0.00	0.14	0.823	O	|	|	|	|	1.59	15.000	0.00	0.13	0.764	O	|	|	|	|	1.49
9.917	0.00	0.14	0.822	O	|	|	|	|	1.59	15.083	0.00	0.13	0.764	O	|	|	|	|	1.49
10.000	0.00	0.14	0.821	O	|	|	|	|	1.59	15.167	0.00	0.13	0.763	O	|	|	|	|	1.49
10.083	0.00	0.14	0.820	O	|	|	|	|	1.59	15.250	0.00	0.13	0.762	O	|	|	|	|	1.49
10.167	0.00	0.14	0.819	O	|	|	|	|	1.59	15.333	0.00	0.13	0.761	O	|	|	|	|	1.49
10.250	0.00	0.14	0.818	O	|	|	|	|	1.58	15.417	0.00	0.13	0.760	O	|	|	|	|	1.49
10.333	0.00	0.14	0.817	O	|	|	|	|	1.58	15.500	0.00	0.13	0.759	O	|	|	|	|	1.48
10.417	0.00	0.14	0.816	O	|	|	|	|	1.58	15.583	0.00	0.13	0.758	O	|	|	|	|	1.48
10.500	0.00	0.14	0.815	O	|	|	|	|	1.58	15.667	0.00	0.13	0.757	O	|	|	|	|	1.48
10.583	0.00	0.14	0.814	O	|	|	|	|	1.58	15.750	0.00	0.13	0.756	O	|	|	|	|	1.48
10.667	0.00	0.14	0.813	O	|	|	|	|	1.58	15.833	0.00	0.13	0.756	O	|	|	|	|	1.48
10.750	0.00	0.14	0.812	O	|	|	|	|	1.57	15.917	0.00	0.13	0.755	O	|	|	|	|	1.48
10.833	0.00	0.14	0.811	O	|	|	|	|	1.57	16.000	0.00	0.13	0.754	O	|	|	|	|	1.48
10.917	0.00	0.14	0.810	O	|	|	|	|	1.57	16.083	0.00	0.13	0.753	O	|	|	|	|	1.47
11.000	0.00	0.14	0.809	O	|	|	|	|	1.57	16.167	0.00	0.13	0.752	O	|	|	|	|	1.47
11.083	0.00	0.14	0.808	O	|	|	|	|	1.57	16.250	0.00	0.13	0.751	O	|	|	|	|	1.47
11.167	0.00	0.14	0.807	O	|	|	|	|	1.57	16.333	0.00	0.13	0.750	O	|	|	|	|	1.47
11.250	0.00	0.14	0.806	O	|	|	|	|	1.56	16.417	0.00	0.12	0.750	O	|	|	|	|	1.47
11.333	0.00	0.14	0.805	O	|	|	|	|	1.56	16.500	0.00	0.12	0.749	O	|	|	|	|	1.47
11.417	0.00	0.14	0.804	O	|	|	|	|	1.56	16.583	0.00	0.12	0.748	O	|	|	|	|	1.46
11.500	0.00	0.14	0.803	O	|	|	|	|	1.56	16.667	0.00	0.12	0.747	O	|	|	|	|	1.46
11.583	0.00	0.14	0.802	O	|	|	|	|	1.56	16.750	0.00	0.12	0.746	O	|	|	|	|	1.46
11.667	0.00	0.14	0.801	O	|	|	|	|	1.56	16.833	0.00	0.12	0.745	O	|	|	|	|	1.46
11.750	0.00	0.14	0.800	O	|	|	|	|	1.55	16.917	0.00	0.12	0.744	O	|	|	|	|	1.46
11.833	0.00	0.14	0.799	O	|	|	|	|	1.55	17.000	0.00	0.12	0.744	O	|	|	|	|	1.46
11.917	0.00	0.14	0.798	O	|	|	|	|	1.55	17.083	0.00	0.12	0.743	O	|	|	|	|	1.46
12.000	0.00	0.14	0.797	O	|	|	|	|	1.55	17.167	0.00	0.12	0.742	O	|	|	|	|	1.45
12.083	0.00	0.14	0.797	O	|	|	|	|	1.55	17.250	0.00	0.12	0.741	O	|	|	|	|	1.45
12.167	0.00	0.14	0.796	O	|	|	|	|	1.55	17.333	0.00	0.12	0.740	O	|	|	|	|	1.45
12.250	0.00	0.14	0.795	O	|	|	|	|	1.54	17.417	0.00	0.12	0.739	O	|	|	|	|	1.45
12.333	0.00	0.14	0.794	O	|	|	|	|	1.54	17.500	0.00	0.12	0.739	O	|	|	|	|	1.45
12.417	0.00	0.14	0.793	O	|	|	|	|	1.54	17.583	0.00	0.12	0.738	O	|	|	|	|	1.45
12.500	0.00	0.14	0.792	O	|	|	|	|	1.54	17.667	0.00	0.12	0.737	O	|	|	|	|	1.45
12.583	0.00	0.14	0.791	O	|	|	|	|	1.54	17.750	0.00	0.12	0.736	O	|	|	|	|	1.44
12.667	0.00	0.14	0.790	O	|	|	|	|	1.54	17.833	0.00	0.12	0.735	O	|	|	|	|	1.44
12.750	0.00	0.14	0.789	O	|	|	|	|	1.53	17.917	0.00	0.12	0.734	O	|	|	|	|	1.44
12.833	0.00	0.14	0.788	O	|	|	|	|	1.53	18.000	0.00	0.12	0.734	O	|	|	|	|	1.44
12.917	0.00	0.14	0.787	O	|	|	|	|	1.53	18.083	0.00	0.12	0.733	O	|	|	|	|	1.44
13.000	0.00	0.13	0.786	O	|	|	|	|	1.53	18.167	0.00	0.12	0.732	O	|	|	|	|	1.44
13.083	0.00	0.13	0.785	O	|	|	|	|	1.53	18.250	0.00	0.12	0.731	O	|	|	|	|	1.44
13.167	0.00	0.13	0.784	O	|	|	|	|	1.53	18.333	0.00	0.12	0.730	O	|	|	|	|	1.43
13.250	0.00	0.13	0.783	O	|	|	|	|	1.53	18.417	0.00	0.12	0.729	O	|	|	|	|	1.43
13.333	0.00	0.13	0.783	O	|	|	|	|	1.52	18.500	0.00	0.12	0.729	O	|	|	|	|	1.43
13.417	0.00	0.13	0.782	O	|	|	|	|	1.52	18.583	0.00	0.12	0.728	O	|	|	|	|	1.43
13.500	0.00	0.13	0.781	O	|	|	|	|	1.52	18.667	0.00	0.12	0.727	O	|	|	|	|	1.43
13.583	0.00	0.13	0.780	O	|	|	|	|	1.52	18.750	0.00	0.12	0.726	O	|	|	|	|	1.43
13.667	0.00	0.13	0.779	O	|	|	|	|	1.52	18.833	0.00	0.12	0.725	O	|	|	|	|	1.43
13.750	0.00	0.13	0.778	O	|	|	|	|	1.52	18.917	0.00	0.12	0.724	O	|	|	|	|	1.43
13.833	0.00	0.13	0.777	O	|	|	|	|	1.51	19.000	0.00	0.12	0.724	O	|	|	|	|	1.42
13.917	0.00	0.13	0.776	O	|	|	|	|	1.51	19.083	0.00	0.12	0.723	O	|	|	|	|	1.42
14.000	0.00	0.13	0.775	O	|	|	|	|	1.51	19.167	0.00	0.12	0.722	O	|	|	|	|	1.42
14.083	0.00	0.13	0.774	O	|	|	|	|	1.51	19.250	0.00	0.12	0.721	O	|	|	|	|	1.42
14.167	0.00	0.13	0.773	O	|	|	|	|	1.51	19.333	0.00	0.12	0.720	O	|	|	|	|	1.42
14.250	0.00	0.13	0.772	O	|	|	|	|	1.51	19.417	0.00	0.12	0.720	O	|	|	|	|	1.42
14.333	0.00	0.13	0.772	O	|	|	|	|	1.51	19.500	0.00	0.12	0.719	O	|	|	|	|	1.42
14.417	0.00	0.13	0.771	O	|	|	|	|	1.50	19.583	0.00	0.12	0.718	O	|	|	|	|	1.41

19.667	0.00	0.12	0.717	O	|	|	|	|	1.41	24.833	0.00	0.10	0.670	O	|	|	|	|	1.33
19.750	0.00	0.12	0.716	O	|	|	|	|	1.41	24.917	0.00	0.10	0.670	O	|	|	|	|	1.33
19.833	0.00	0.12	0.716	O	|	|	|	|	1.41	25.000	0.00	0.10	0.669	O	|	|	|	|	1.33
19.917	0.00	0.12	0.715	O	|	|	|	|	1.41	25.083	0.00	0.10	0.668	O	|	|	|	|	1.33
20.000	0.00	0.12	0.714	O	|	|	|	|	1.41	25.167	0.00	0.10	0.668	O	|	|	|	|	1.33
20.083	0.00	0.11	0.713	O	|	|	|	|	1.41	25.250	0.00	0.10	0.667	O	|	|	|	|	1.33
20.167	0.00	0.11	0.712	O	|	|	|	|	1.40	25.333	0.00	0.10	0.666	O	|	|	|	|	1.33
20.250	0.00	0.11	0.712	O	|	|	|	|	1.40	25.417	0.00	0.10	0.665	O	|	|	|	|	1.33
20.333	0.00	0.11	0.711	O	|	|	|	|	1.40	25.500	0.00	0.10	0.665	O	|	|	|	|	1.32
20.417	0.00	0.11	0.710	O	|	|	|	|	1.40	25.583	0.00	0.10	0.664	O	|	|	|	|	1.32
20.500	0.00	0.11	0.709	O	|	|	|	|	1.40	25.667	0.00	0.10	0.663	O	|	|	|	|	1.32
20.583	0.00	0.11	0.709	O	|	|	|	|	1.40	25.750	0.00	0.10	0.663	O	|	|	|	|	1.32
20.667	0.00	0.11	0.708	O	|	|	|	|	1.40	25.833	0.00	0.10	0.662	O	|	|	|	|	1.32
20.750	0.00	0.11	0.707	O	|	|	|	|	1.40	25.917	0.00	0.10	0.661	O	|	|	|	|	1.32
20.833	0.00	0.11	0.706	O	|	|	|	|	1.39	26.000	0.00	0.10	0.661	O	|	|	|	|	1.32
20.917	0.00	0.11	0.705	O	|	|	|	|	1.39	26.083	0.00	0.10	0.660	O	|	|	|	|	1.32
21.000	0.00	0.11	0.705	O	|	|	|	|	1.39	26.167	0.00	0.10	0.659	O	|	|	|	|	1.31
21.083	0.00	0.11	0.704	O	|	|	|	|	1.39	26.250	0.00	0.10	0.659	O	|	|	|	|	1.31
21.167	0.00	0.11	0.703	O	|	|	|	|	1.39	26.333	0.00	0.10	0.658	O	|	|	|	|	1.31
21.250	0.00	0.11	0.702	O	|	|	|	|	1.39	26.417	0.00	0.10	0.657	O	|	|	|	|	1.31
21.333	0.00	0.11	0.702	O	|	|	|	|	1.39	26.500	0.00	0.10	0.656	O	|	|	|	|	1.31
21.417	0.00	0.11	0.701	O	|	|	|	|	1.38	26.583	0.00	0.10	0.656	O	|	|	|	|	1.31
21.500	0.00	0.11	0.700	O	|	|	|	|	1.38	26.667	0.00	0.10	0.655	O	|	|	|	|	1.31
21.583	0.00	0.11	0.699	O	|	|	|	|	1.38	26.750	0.00	0.10	0.654	O	|	|	|	|	1.31
21.667	0.00	0.11	0.698	O	|	|	|	|	1.38	26.833	0.00	0.10	0.654	O	|	|	|	|	1.31
21.750	0.00	0.11	0.698	O	|	|	|	|	1.38	26.917	0.00	0.10	0.653	O	|	|	|	|	1.30
21.833	0.00	0.11	0.697	O	|	|	|	|	1.38	27.000	0.00	0.10	0.652	O	|	|	|	|	1.30
21.917	0.00	0.11	0.696	O	|	|	|	|	1.38	27.083	0.00	0.10	0.652	O	|	|	|	|	1.30
22.000	0.00	0.11	0.695	O	|	|	|	|	1.38	27.167	0.00	0.10	0.651	O	|	|	|	|	1.30
22.083	0.00	0.11	0.695	O	|	|	|	|	1.37	27.250	0.00	0.10	0.650	O	|	|	|	|	1.30
22.167	0.00	0.11	0.694	O	|	|	|	|	1.37	27.333	0.00	0.10	0.650	O	|	|	|	|	1.30
22.250	0.00	0.11	0.693	O	|	|	|	|	1.37	27.417	0.00	0.10	0.649	O	|	|	|	|	1.30
22.333	0.00	0.11	0.692	O	|	|	|	|	1.37	27.500	0.00	0.10	0.648	O	|	|	|	|	1.30
22.417	0.00	0.11	0.692	O	|	|	|	|	1.37	27.583	0.00	0.10	0.648	O	|	|	|	|	1.29
22.500	0.00	0.11	0.691	O	|	|	|	|	1.37	27.667	0.00	0.10	0.647	O	|	|	|	|	1.29
22.583	0.00	0.11	0.690	O	|	|	|	|	1.37	27.750	0.00	0.10	0.646	O	|	|	|	|	1.29
22.667	0.00	0.11	0.689	O	|	|	|	|	1.37	27.833	0.00	0.10	0.646	O	|	|	|	|	1.29
22.750	0.00	0.11	0.689	O	|	|	|	|	1.36	27.917	0.00	0.10	0.645	O	|	|	|	|	1.29
22.833	0.00	0.11	0.688	O	|	|	|	|	1.36	28.000	0.00	0.10	0.644	O	|	|	|	|	1.29
22.917	0.00	0.11	0.687	O	|	|	|	|	1.36	28.083	0.00	0.10	0.644	O	|	|	|	|	1.29
23.000	0.00	0.11	0.686	O	|	|	|	|	1.36	28.167	0.00	0.10	0.643	O	|	|	|	|	1.29
23.083	0.00	0.11	0.686	O	|	|	|	|	1.36	28.250	0.00	0.10	0.642	O	|	|	|	|	1.29
23.167	0.00	0.11	0.685	O	|	|	|	|	1.36	28.333	0.00	0.10	0.642	O	|	|	|	|	1.28
23.250	0.00	0.11	0.684	O	|	|	|	|	1.36	28.417	0.00	0.10	0.641	O	|	|	|	|	1.28
23.333	0.00	0.11	0.683	O	|	|	|	|	1.36	28.500	0.00	0.10	0.640	O	|	|	|	|	1.28
23.417	0.00	0.11	0.683	O	|	|	|	|	1.35	28.583	0.00	0.10	0.640	O	|	|	|	|	1.28
23.500	0.00	0.11	0.682	O	|	|	|	|	1.35	28.667	0.00	0.09	0.639	O	|	|	|	|	1.28
23.583	0.00	0.11	0.681	O	|	|	|	|	1.35	28.750	0.00	0.09	0.638	O	|	|	|	|	1.28
23.667	0.00	0.11	0.681	O	|	|	|	|	1.35	28.833	0.00	0.09	0.638	O	|	|	|	|	1.28
23.750	0.00	0.11	0.680	O	|	|	|	|	1.35	28.917	0.00	0.09	0.637	O	|	|	|	|	1.28
23.833	0.00	0.11	0.679	O	|	|	|	|	1.35	29.000	0.00	0.09	0.636	O	|	|	|	|	1.28
23.917	0.00	0.11	0.678	O	|	|	|	|	1.35	29.083	0.00	0.09	0.636	O	|	|	|	|	1.27
24.000	0.00	0.11	0.678	O	|	|	|	|	1.35	29.167	0.00	0.09	0.635	O	|	|	|	|	1.27
24.083	0.00	0.11	0.677	O	|	|	|	|	1.34	29.250	0.00	0.09	0.635	O	|	|	|	|	1.27
24.167	0.00	0.10	0.676	O	|	|	|	|	1.34	29.333	0.00	0.09	0.634	O	|	|	|	|	1.27
24.250	0.00	0.10	0.675	O	|	|	|	|	1.34	29.417	0.00	0.09	0.633	O	|	|	|	|	1.27
24.333	0.00	0.10	0.675	O	|	|	|	|	1.34	29.500	0.00	0.09	0.633	O	|	|	|	|	1.27
24.417	0.00	0.10	0.674	O	|	|	|	|	1.34	29.583	0.00	0.09	0.632	O	|	|	|	|	1.27
24.500	0.00	0.10	0.673	O	|	|	|	|	1.34	29.667	0.00	0.09	0.631	O	|	|	|	|	1.27
24.583	0.00	0.10	0.673	O	|	|	|	|	1.34	29.750	0.00	0.09	0.631	O	|	|	|	|	1.27
24.667	0.00	0.10	0.672	O	|	|	|	|	1.34	29.833	0.00	0.09	0.630	O	|	|	|	|	1.26
24.750	0.00	0.10	0.671	O	|	|	|	|	1.33	29.917	0.00	0.09	0.629	O	|	|	|	|	1.26

30.000	0.00	0.09	0.629	O	|	|	|	|	1.26	35.167	0.00	0.08	0.592	O	|	|	|	|	1.20
30.083	0.00	0.09	0.628	O	|	|	|	|	1.26	35.250	0.00	0.08	0.591	O	|	|	|	|	1.20
30.167	0.00	0.09	0.627	O	|	|	|	|	1.26	35.333	0.00	0.08	0.591	O	|	|	|	|	1.20
30.250	0.00	0.09	0.627	O	|	|	|	|	1.26	35.417	0.00	0.08	0.590	O	|	|	|	|	1.20
30.333	0.00	0.09	0.626	O	|	|	|	|	1.26	35.500	0.00	0.08	0.589	O	|	|	|	|	1.20
30.417	0.00	0.09	0.626	O	|	|	|	|	1.26	35.583	0.00	0.08	0.589	O	|	|	|	|	1.19
30.500	0.00	0.09	0.625	O	|	|	|	|	1.26	35.667	0.00	0.08	0.588	O	|	|	|	|	1.19
30.583	0.00	0.09	0.624	O	|	|	|	|	1.26	35.750	0.00	0.08	0.588	O	|	|	|	|	1.19
30.667	0.00	0.09	0.624	O	|	|	|	|	1.25	35.833	0.00	0.08	0.587	O	|	|	|	|	1.19
30.750	0.00	0.09	0.623	O	|	|	|	|	1.25	35.917	0.00	0.08	0.587	O	|	|	|	|	1.19
30.833	0.00	0.09	0.622	O	|	|	|	|	1.25	36.000	0.00	0.08	0.586	O	|	|	|	|	1.19
30.917	0.00	0.09	0.622	O	|	|	|	|	1.25	36.083	0.00	0.08	0.586	O	|	|	|	|	1.19
31.000	0.00	0.09	0.621	O	|	|	|	|	1.25	36.167	0.00	0.08	0.585	O	|	|	|	|	1.19
31.083	0.00	0.09	0.621	O	|	|	|	|	1.25	36.250	0.00	0.08	0.584	O	|	|	|	|	1.19
31.167	0.00	0.09	0.620	O	|	|	|	|	1.25	36.333	0.00	0.08	0.584	O	|	|	|	|	1.19
31.250	0.00	0.09	0.619	O	|	|	|	|	1.25	36.417	0.00	0.08	0.583	O	|	|	|	|	1.19
31.333	0.00	0.09	0.619	O	|	|	|	|	1.25	36.500	0.00	0.08	0.583	O	|	|	|	|	1.18
31.417	0.00	0.09	0.618	O	|	|	|	|	1.24	36.583	0.00	0.08	0.582	O	|	|	|	|	1.18
31.500	0.00	0.09	0.618	O	|	|	|	|	1.24	36.667	0.00	0.08	0.582	O	|	|	|	|	1.18
31.583	0.00	0.09	0.617	O	|	|	|	|	1.24	36.750	0.00	0.08	0.581	O	|	|	|	|	1.18
31.667	0.00	0.09	0.616	O	|	|	|	|	1.24	36.833	0.00	0.08	0.581	O	|	|	|	|	1.18
31.750	0.00	0.09	0.616	O	|	|	|	|	1.24	36.917	0.00	0.08	0.580	O	|	|	|	|	1.18
31.833	0.00	0.09	0.615	O	|	|	|	|	1.24	37.000	0.00	0.08	0.579	O	|	|	|	|	1.18
31.917	0.00	0.09	0.614	O	|	|	|	|	1.24	37.083	0.00	0.08	0.579	O	|	|	|	|	1.18
32.000	0.00	0.09	0.614	O	|	|	|	|	1.24	37.167	0.00	0.08	0.578	O	|	|	|	|	1.18
32.083	0.00	0.09	0.613	O	|	|	|	|	1.24	37.250	0.00	0.08	0.578	O	|	|	|	|	1.18
32.167	0.00	0.09	0.613	O	|	|	|	|	1.24	37.333	0.00	0.08	0.577	O	|	|	|	|	1.18
32.250	0.00	0.09	0.612	O	|	|	|	|	1.23	37.417	0.00	0.08	0.577	O	|	|	|	|	1.17
32.333	0.00	0.09	0.611	O	|	|	|	|	1.23	37.500	0.00	0.08	0.576	O	|	|	|	|	1.17
32.417	0.00	0.09	0.611	O	|	|	|	|	1.23	37.583	0.00	0.08	0.576	O	|	|	|	|	1.17
32.500	0.00	0.09	0.610	O	|	|	|	|	1.23	37.667	0.00	0.08	0.575	O	|	|	|	|	1.17
32.583	0.00	0.09	0.610	O	|	|	|	|	1.23	37.750	0.00	0.08	0.575	O	|	|	|	|	1.17
32.667	0.00	0.09	0.609	O	|	|	|	|	1.23	37.833	0.00	0.08	0.574	O	|	|	|	|	1.17
32.750	0.00	0.09	0.608	O	|	|	|	|	1.23	37.917	0.00	0.08	0.574	O	|	|	|	|	1.17
32.833	0.00	0.09	0.608	O	|	|	|	|	1.23	38.000	0.00	0.08	0.573	O	|	|	|	|	1.17
32.917	0.00	0.09	0.607	O	|	|	|	|	1.23	38.083	0.00	0.08	0.573	O	|	|	|	|	1.17
33.000	0.00	0.09	0.607	O	|	|	|	|	1.23	38.167	0.00	0.08	0.572	O	|	|	|	|	1.17
33.083	0.00	0.09	0.606	O	|	|	|	|	1.22	38.250	0.00	0.08	0.571	O	|	|	|	|	1.17
33.167	0.00	0.09	0.606	O	|	|	|	|	1.22	38.333	0.00	0.08	0.571	O	|	|	|	|	1.16
33.250	0.00	0.09	0.605	O	|	|	|	|	1.22	38.417	0.00	0.08	0.570	O	|	|	|	|	1.16
33.333	0.00	0.09	0.604	O	|	|	|	|	1.22	38.500	0.00	0.08	0.570	O	|	|	|	|	1.16
33.417	0.00	0.09	0.604	O	|	|	|	|	1.22	38.583	0.00	0.08	0.569	O	|	|	|	|	1.16
33.500	0.00	0.09	0.603	O	|	|	|	|	1.22	38.667	0.00	0.08	0.569	O	|	|	|	|	1.16
33.583	0.00	0.08	0.603	O	|	|	|	|	1.22	38.750	0.00	0.08	0.568	O	|	|	|	|	1.16
33.667	0.00	0.08	0.602	O	|	|	|	|	1.22	38.833	0.00	0.08	0.568	O	|	|	|	|	1.16
33.750	0.00	0.08	0.601	O	|	|	|	|	1.22	38.917	0.00	0.08	0.567	O	|	|	|	|	1.16
33.833	0.00	0.08	0.601	O	|	|	|	|	1.22	39.000	0.00	0.08	0.567	O	|	|	|	|	1.16
33.917	0.00	0.08	0.600	O	|	|	|	|	1.21	39.083	0.00	0.08	0.566	O	|	|	|	|	1.16
34.000	0.00	0.08	0.600	O	|	|	|	|	1.21	39.167	0.00	0.07	0.566	O	|	|	|	|	1.16
34.083	0.00	0.08	0.599	O	|	|	|	|	1.21	39.250	0.00	0.07	0.565	O	|	|	|	|	1.15
34.167	0.00	0.08	0.599	O	|	|	|	|	1.21	39.333	0.00	0.07	0.565	O	|	|	|	|	1.15
34.250	0.00	0.08	0.598	O	|	|	|	|	1.21	39.417	0.00	0.07	0.564	O	|	|	|	|	1.15
34.333	0.00	0.08	0.597	O	|	|	|	|	1.21	39.500	0.00	0.07	0.564	O	|	|	|	|	1.15
34.417	0.00	0.08	0.597	O	|	|	|	|	1.21	39.583	0.00	0.07	0.563	O	|	|	|	|	1.15
34.500	0.00	0.08	0.596	O	|	|	|	|	1.21	39.667	0.00	0.07	0.563	O	|	|	|	|	1.15
34.583	0.00	0.08	0.596	O	|	|	|	|	1.21	39.750	0.00	0.07	0.562	O	|	|	|	|	1.15
34.667	0.00	0.08	0.595	O	|	|	|	|	1.21	39.833	0.00	0.07	0.562	O	|	|	|	|	1.15
34.750	0.00	0.08	0.594	O	|	|	|	|	1.20	39.917	0.00	0.07	0.561	O	|	|	|	|	1.15
34.833	0.00	0.08	0.594	O	|	|	|	|	1.20	40.000	0.00	0.07	0.561	O	|	|	|	|	1.15
34.917	0.00	0.08	0.593	O	|	|	|	|	1.20	40.083	0.00	0.07	0.560	O	|	|	|	|	1.15
35.000	0.00	0.08	0.593	O	|	|	|	|	1.20	40.167	0.00	0.07	0.560	O	|	|	|	|	1.15
35.083	0.00	0.08	0.592	O	|	|	|	|	1.20	40.250	0.00	0.07	0.559	O	|	|	|	|	1.14

40.333	0.00	0.07	0.559	O					1.14	45.500	0.00	0.06	0.529	O					1.09
40.417	0.00	0.07	0.558	O					1.14	45.583	0.00	0.06	0.529	O					1.09
40.500	0.00	0.07	0.558	O					1.14	45.667	0.00	0.06	0.528	O					1.09
40.583	0.00	0.07	0.557	O					1.14	45.750	0.00	0.06	0.528	O					1.09
40.667	0.00	0.07	0.557	O					1.14	45.833	0.00	0.06	0.527	O					1.09
40.750	0.00	0.07	0.556	O					1.14	45.917	0.00	0.06	0.527	O					1.09
40.833	0.00	0.07	0.556	O					1.14	46.000	0.00	0.06	0.527	O					1.09
40.917	0.00	0.07	0.555	O					1.14	46.083	0.00	0.06	0.526	O					1.09
41.000	0.00	0.07	0.555	O					1.14	46.167	0.00	0.06	0.526	O					1.09
41.083	0.00	0.07	0.554	O					1.14	46.250	0.00	0.06	0.525	O					1.09
41.167	0.00	0.07	0.554	O					1.14	46.333	0.00	0.06	0.525	O					1.09
41.250	0.00	0.07	0.553	O					1.13	46.417	0.00	0.06	0.524	O					1.09
41.333	0.00	0.07	0.553	O					1.13	46.500	0.00	0.06	0.524	O					1.08
41.417	0.00	0.07	0.552	O					1.13	46.583	0.00	0.06	0.523	O					1.08
41.500	0.00	0.07	0.552	O					1.13	46.667	0.00	0.06	0.523	O					1.08
41.583	0.00	0.07	0.551	O					1.13	46.750	0.00	0.06	0.523	O					1.08
41.667	0.00	0.07	0.551	O					1.13	46.833	0.00	0.06	0.522	O					1.08
41.750	0.00	0.07	0.550	O					1.13	46.917	0.00	0.06	0.522	O					1.08
41.833	0.00	0.07	0.550	O					1.13	47.000	0.00	0.06	0.521	O					1.08
41.917	0.00	0.07	0.549	O					1.13	47.083	0.00	0.06	0.521	O					1.08
42.000	0.00	0.07	0.549	O					1.13	47.167	0.00	0.06	0.520	O					1.08
42.083	0.00	0.07	0.548	O					1.13	47.250	0.00	0.06	0.520	O					1.08
42.167	0.00	0.07	0.548	O					1.13	47.333	0.00	0.06	0.520	O					1.08
42.250	0.00	0.07	0.547	O					1.12	47.417	0.00	0.06	0.519	O					1.08
42.333	0.00	0.07	0.547	O					1.12	47.500	0.00	0.06	0.519	O					1.08
42.417	0.00	0.07	0.546	O					1.12	47.583	0.00	0.06	0.518	O					1.08
42.500	0.00	0.07	0.546	O					1.12	47.667	0.00	0.06	0.518	O					1.07
42.583	0.00	0.07	0.545	O					1.12	47.750	0.00	0.06	0.517	O					1.07
42.667	0.00	0.07	0.545	O					1.12	47.833	0.00	0.06	0.517	O					1.07
42.750	0.00	0.07	0.544	O					1.12	47.917	0.00	0.06	0.517	O					1.07
42.833	0.00	0.07	0.544	O					1.12	48.000	0.00	0.06	0.516	O					1.07
42.917	0.00	0.07	0.543	O					1.12	48.083	0.00	0.06	0.516	O					1.07
43.000	0.00	0.07	0.543	O					1.12	48.167	0.00	0.06	0.515	O					1.07
43.083	0.00	0.07	0.543	O					1.12	48.250	0.00	0.06	0.515	O					1.07
43.167	0.00	0.07	0.542	O					1.12	48.333	0.00	0.06	0.514	O					1.07
43.250	0.00	0.07	0.542	O					1.11	48.417	0.00	0.06	0.514	O					1.07
43.333	0.00	0.07	0.541	O					1.11	48.500	0.00	0.06	0.514	O					1.07
43.417	0.00	0.07	0.541	O					1.11	48.583	0.00	0.06	0.513	O					1.07
43.500	0.00	0.07	0.540	O					1.11	48.667	0.00	0.06	0.513	O					1.07
43.583	0.00	0.07	0.540	O					1.11	48.750	0.00	0.06	0.512	O					1.07
43.667	0.00	0.07	0.539	O					1.11	48.833	0.00	0.06	0.512	O					1.06
43.750	0.00	0.07	0.539	O					1.11	48.917	0.00	0.06	0.512	O					1.06
43.833	0.00	0.07	0.538	O					1.11	49.000	0.00	0.06	0.511	O					1.06
43.917	0.00	0.07	0.538	O					1.11	49.083	0.00	0.06	0.511	O					1.06
44.000	0.00	0.07	0.537	O					1.11	49.167	0.00	0.06	0.510	O					1.06
44.083	0.00	0.07	0.537	O					1.11	49.250	0.00	0.06	0.510	O					1.06
44.167	0.00	0.07	0.536	O					1.11	49.333	0.00	0.06	0.509	O					1.06
44.250	0.00	0.07	0.536	O					1.11	49.417	0.00	0.06	0.509	O					1.06
44.333	0.00	0.07	0.536	O					1.10	49.500	0.00	0.06	0.509	O					1.06
44.417	0.00	0.07	0.535	O					1.10	49.583	0.00	0.06	0.508	O					1.06
44.500	0.00	0.07	0.535	O					1.10	49.667	0.00	0.06	0.508	O					1.06
44.583	0.00	0.07	0.534	O					1.10	49.750	0.00	0.06	0.507	O					1.06
44.667	0.00	0.07	0.534	O					1.10	49.833	0.00	0.06	0.507	O					1.06
44.750	0.00	0.07	0.533	O					1.10	49.917	0.00	0.06	0.507	O					1.06
44.833	0.00	0.07	0.533	O					1.10	50.000	0.00	0.06	0.506	O					1.05
44.917	0.00	0.07	0.532	O					1.10	50.083	0.00	0.06	0.506	O					1.05
45.000	0.00	0.07	0.532	O					1.10	50.167	0.00	0.06	0.505	O					1.05
45.083	0.00	0.07	0.531	O					1.10	50.250	0.00	0.06	0.505	O					1.05
45.167	0.00	0.07	0.531	O					1.10	50.333	0.00	0.06	0.505	O					1.05
45.250	0.00	0.07	0.531	O					1.10	50.417	0.00	0.06	0.504	O					1.05
45.333	0.00	0.07	0.530	O					1.10	50.500	0.00	0.06	0.504	O					1.05
45.417	0.00	0.07	0.530	O					1.09	50.583	0.00	0.06	0.503	O					1.05

50.667	0.00	0.06	0.503	O					1.05	55.833	0.00	0.05	0.480	O					1.01
50.750	0.00	0.06	0.503	O					1.05	55.917	0.00	0.05	0.479	O					1.01
50.833	0.00	0.06	0.502	O					1.05	56.000	0.00	0.05	0.479	O					1.01
50.917	0.00	0.06	0.502	O					1.05	56.083	0.00	0.05	0.479	O					1.01
51.000	0.00	0.06	0.501	O					1.05	56.167	0.00	0.05	0.478	O					1.01
51.083	0.00	0.06	0.501	O					1.05	56.250	0.00	0.05	0.478	O					1.01
51.167	0.00	0.06	0.501	O					1.05	56.333	0.00	0.05	0.478	O					1.01
51.250	0.00	0.06	0.500	O					1.04	56.417	0.00	0.05	0.477	O					1.01
51.333	0.00	0.06	0.500	O					1.04	56.500	0.00	0.05	0.477	O					1.00
51.417	0.00	0.06	0.499	O					1.04	56.583	0.00	0.05	0.476	O					1.00
51.500	0.00	0.06	0.499	O					1.04	56.667	0.00	0.05	0.476	O					1.00
51.583	0.00	0.06	0.499	O					1.04	56.750	0.00	0.05	0.476	O					1.00
51.667	0.00	0.06	0.498	O					1.04	56.833	0.00	0.05	0.475	O					1.00
51.750	0.00	0.06	0.498	O					1.04	56.917	0.00	0.05	0.475	O					1.00
51.833	0.00	0.06	0.497	O					1.04	57.000	0.00	0.05	0.475	O					1.00
51.917	0.00	0.06	0.497	O					1.04	57.083	0.00	0.05	0.474	O					1.00
52.000	0.00	0.06	0.497	O					1.04	57.167	0.00	0.05	0.474	O					1.00
52.083	0.00	0.06	0.496	O					1.04	57.250	0.00	0.05	0.474	O					1.00
52.167	0.00	0.06	0.496	O					1.04	57.333	0.00	0.05	0.473	O					1.00
52.250	0.00	0.06	0.496	O					1.04	57.417	0.00	0.05	0.473	O					1.00
52.333	0.00	0.06	0.495	O					1.04	57.500	0.00	0.05	0.473	O					1.00
52.417	0.00	0.06	0.495	O					1.04	57.583	0.00	0.05	0.472	O					1.00
52.500	0.00	0.06	0.494	O					1.03	57.667	0.00	0.05	0.472	O					1.00
52.583	0.00	0.06	0.494	O					1.03	57.750	0.00	0.05	0.472	O					1.00
52.667	0.00	0.06	0.494	O					1.03	57.833	0.00	0.05	0.471	O					0.99
52.750	0.00	0.06	0.493	O					1.03	57.917	0.00	0.05	0.471	O					0.99
52.833	0.00	0.06	0.493	O					1.03	58.000	0.00	0.05	0.471	O					0.99
52.917	0.00	0.06	0.492	O					1.03	58.083	0.00	0.05	0.470	O					0.99
53.000	0.00	0.05	0.492	O					1.03	58.167	0.00	0.05	0.470	O					0.99
53.083	0.00	0.05	0.492	O					1.03	58.250	0.00	0.05	0.470	O					0.99
53.167	0.00	0.05	0.491	O					1.03	58.333	0.00	0.05	0.469	O					0.99
53.250	0.00	0.05	0.491	O					1.03	58.417	0.00	0.05	0.469	O					0.99
53.333	0.00	0.05	0.491	O					1.03	58.500	0.00	0.05	0.469	O					0.99
53.417	0.00	0.05	0.490	O					1.03	58.583	0.00	0.05	0.468	O					0.99
53.500	0.00	0.05	0.490	O					1.03	58.667	0.00	0.05	0.468	O					0.99
53.583	0.00	0.05	0.489	O					1.03	58.750	0.00	0.05	0.468	O					0.99
53.667	0.00	0.05	0.489	O					1.03	58.833	0.00	0.05	0.467	O					0.99
53.750	0.00	0.05	0.489	O					1.03	58.917	0.00	0.05	0.467	O					0.98
53.833	0.00	0.05	0.488	O					1.02	59.000	0.00	0.05	0.467	O					0.98
53.917	0.00	0.05	0.488	O					1.02	59.083	0.00	0.05	0.466	O					0.98
54.000	0.00	0.05	0.488	O					1.02	59.167	0.00	0.05	0.466	O					0.98
54.083	0.00	0.05	0.487	O					1.02	59.250	0.00	0.05	0.466	O					0.98
54.167	0.00	0.05	0.487	O					1.02	59.333	0.00	0.05	0.465	O					0.98
54.250	0.00	0.05	0.487	O					1.02	59.417	0.00	0.05	0.465	O					0.98
54.333	0.00	0.05	0.486	O					1.02	59.500	0.00	0.05	0.465	O					0.98
54.417	0.00	0.05	0.486	O					1.02	59.583	0.00	0.05	0.464	O					0.98
54.500	0.00	0.05	0.485	O					1.02	59.667	0.00	0.05	0.464	O					0.98
54.583	0.00	0.05	0.485	O					1.02	59.750	0.00	0.05	0.463	O					0.98
54.667	0.00	0.05	0.485	O					1.02	59.833	0.00	0.05	0.463	O					0.98
54.750	0.00	0.05	0.484	O					1.02	59.917	0.00	0.05	0.463	O					0.98
54.833	0.00	0.05	0.484	O					1.02	60.000	0.00	0.05	0.462	O					0.98
54.917	0.00	0.05	0.484	O					1.02	60.083	0.00	0.05	0.462	O					0.98
55.000	0.00	0.05	0.483	O					1.02	60.167	0.00	0.05	0.462	O					0.97
55.083	0.00	0.05	0.483	O					1.02	60.250	0.00	0.05	0.461	O					0.97
55.167	0.00	0.05	0.483	O					1.01	60.333	0.00	0.05	0.461	O					0.97
55.250	0.00	0.05	0.482	O					1.01	60.417	0.00	0.05	0.461	O					0.97
55.333	0.00	0.05	0.482	O					1.01	60.500	0.00	0.05	0.460	O					0.97
55.417	0.00	0.05	0.481	O					1.01	60.583	0.00	0.05	0.460	O					0.97
55.500	0.00	0.05	0.481	O					1.01	60.667	0.00	0.05	0.460	O					0.97
55.583	0.00	0.05	0.481	O					1.01	60.750	0.00	0.05	0.459	O					0.97
55.667	0.00	0.05	0.480	O					1.01	60.833	0.00	0.05	0.459	O					0.97
55.750	0.00	0.05	0.480	O					1.01	60.917	0.00	0.05	0.459	O					0.97

61.000	0.00	0.05	0.458	O	|	|	|	|	0.97	66.167	0.00	0.05	0.438	O	|	|	|	|	0.92
61.083	0.00	0.05	0.458	O	|	|	|	|	0.97	66.250	0.00	0.05	0.438	O	|	|	|	|	0.92
61.167	0.00	0.05	0.458	O	|	|	|	|	0.97	66.333	0.00	0.05	0.438	O	|	|	|	|	0.92
61.250	0.00	0.05	0.457	O	|	|	|	|	0.97	66.417	0.00	0.05	0.437	O	|	|	|	|	0.92
61.333	0.00	0.05	0.457	O	|	|	|	|	0.96	66.500	0.00	0.05	0.437	O	|	|	|	|	0.92
61.417	0.00	0.05	0.457	O	|	|	|	|	0.96	66.583	0.00	0.05	0.437	O	|	|	|	|	0.92
61.500	0.00	0.05	0.456	O	|	|	|	|	0.96	66.667	0.00	0.05	0.436	O	|	|	|	|	0.92
61.583	0.00	0.05	0.456	O	|	|	|	|	0.96	66.750	0.00	0.05	0.436	O	|	|	|	|	0.92
61.667	0.00	0.05	0.456	O	|	|	|	|	0.96	66.833	0.00	0.05	0.436	O	|	|	|	|	0.92
61.750	0.00	0.05	0.455	O	|	|	|	|	0.96	66.917	0.00	0.05	0.435	O	|	|	|	|	0.92
61.833	0.00	0.05	0.455	O	|	|	|	|	0.96	67.000	0.00	0.05	0.435	O	|	|	|	|	0.92
61.917	0.00	0.05	0.455	O	|	|	|	|	0.96	67.083	0.00	0.05	0.435	O	|	|	|	|	0.92
62.000	0.00	0.05	0.454	O	|	|	|	|	0.96	67.167	0.00	0.05	0.434	O	|	|	|	|	0.92
62.083	0.00	0.05	0.454	O	|	|	|	|	0.96	67.250	0.00	0.05	0.434	O	|	|	|	|	0.92
62.167	0.00	0.05	0.454	O	|	|	|	|	0.96	67.333	0.00	0.05	0.434	O	|	|	|	|	0.92
62.250	0.00	0.05	0.454	O	|	|	|	|	0.96	67.417	0.00	0.05	0.434	O	|	|	|	|	0.91
62.333	0.00	0.05	0.453	O	|	|	|	|	0.96	67.500	0.00	0.05	0.433	O	|	|	|	|	0.91
62.417	0.00	0.05	0.453	O	|	|	|	|	0.96	67.583	0.00	0.05	0.433	O	|	|	|	|	0.91
62.500	0.00	0.05	0.453	O	|	|	|	|	0.95	67.667	0.00	0.05	0.433	O	|	|	|	|	0.91
62.583	0.00	0.05	0.452	O	|	|	|	|	0.95	67.750	0.00	0.05	0.432	O	|	|	|	|	0.91
62.667	0.00	0.05	0.452	O	|	|	|	|	0.95	67.833	0.00	0.05	0.432	O	|	|	|	|	0.91
62.750	0.00	0.05	0.452	O	|	|	|	|	0.95	67.917	0.00	0.05	0.432	O	|	|	|	|	0.91
62.833	0.00	0.05	0.451	O	|	|	|	|	0.95	68.000	0.00	0.05	0.431	O	|	|	|	|	0.91
62.917	0.00	0.05	0.451	O	|	|	|	|	0.95	68.083	0.00	0.05	0.431	O	|	|	|	|	0.91
63.000	0.00	0.05	0.451	O	|	|	|	|	0.95	68.167	0.00	0.05	0.431	O	|	|	|	|	0.91
63.083	0.00	0.05	0.450	O	|	|	|	|	0.95	68.250	0.00	0.05	0.430	O	|	|	|	|	0.91
63.167	0.00	0.05	0.450	O	|	|	|	|	0.95	68.333	0.00	0.05	0.430	O	|	|	|	|	0.91
63.250	0.00	0.05	0.450	O	|	|	|	|	0.95	68.417	0.00	0.05	0.430	O	|	|	|	|	0.91
63.333	0.00	0.05	0.449	O	|	|	|	|	0.95	68.500	0.00	0.05	0.429	O	|	|	|	|	0.91
63.417	0.00	0.05	0.449	O	|	|	|	|	0.95	68.583	0.00	0.05	0.429	O	|	|	|	|	0.91
63.500	0.00	0.05	0.449	O	|	|	|	|	0.95	68.667	0.00	0.05	0.429	O	|	|	|	|	0.90
63.583	0.00	0.05	0.448	O	|	|	|	|	0.95	68.750	0.00	0.05	0.429	O	|	|	|	|	0.90
63.667	0.00	0.05	0.448	O	|	|	|	|	0.95	68.833	0.00	0.05	0.428	O	|	|	|	|	0.90
63.750	0.00	0.05	0.448	O	|	|	|	|	0.94	68.917	0.00	0.05	0.428	O	|	|	|	|	0.90
63.833	0.00	0.05	0.447	O	|	|	|	|	0.94	69.000	0.00	0.05	0.428	O	|	|	|	|	0.90
63.917	0.00	0.05	0.447	O	|	|	|	|	0.94	69.083	0.00	0.05	0.427	O	|	|	|	|	0.90
64.000	0.00	0.05	0.447	O	|	|	|	|	0.94	69.167	0.00	0.05	0.427	O	|	|	|	|	0.90
64.083	0.00	0.05	0.446	O	|	|	|	|	0.94	69.250	0.00	0.05	0.427	O	|	|	|	|	0.90
64.167	0.00	0.05	0.446	O	|	|	|	|	0.94	69.333	0.00	0.04	0.426	O	|	|	|	|	0.90
64.250	0.00	0.05	0.446	O	|	|	|	|	0.94	69.417	0.00	0.04	0.426	O	|	|	|	|	0.90
64.333	0.00	0.05	0.445	O	|	|	|	|	0.94	69.500	0.00	0.04	0.426	O	|	|	|	|	0.90
64.417	0.00	0.05	0.445	O	|	|	|	|	0.94	69.583	0.00	0.04	0.425	O	|	|	|	|	0.90
64.500	0.00	0.05	0.445	O	|	|	|	|	0.94	69.667	0.00	0.04	0.425	O	|	|	|	|	0.90
64.583	0.00	0.05	0.444	O	|	|	|	|	0.94	69.750	0.00	0.04	0.425	O	|	|	|	|	0.90
64.667	0.00	0.05	0.444	O	|	|	|	|	0.94	69.833	0.00	0.04	0.424	O	|	|	|	|	0.90
64.750	0.00	0.05	0.444	O	|	|	|	|	0.94	69.917	0.00	0.04	0.424	O	|	|	|	|	0.89
64.833	0.00	0.05	0.443	O	|	|	|	|	0.94	70.000	0.00	0.04	0.424	O	|	|	|	|	0.89
64.917	0.00	0.05	0.443	O	|	|	|	|	0.93	70.083	0.00	0.04	0.424	O	|	|	|	|	0.89
65.000	0.00	0.05	0.443	O	|	|	|	|	0.93	70.167	0.00	0.04	0.423	O	|	|	|	|	0.89
65.083	0.00	0.05	0.442	O	|	|	|	|	0.93	70.250	0.00	0.04	0.423	O	|	|	|	|	0.89
65.167	0.00	0.05	0.442	O	|	|	|	|	0.93	70.333	0.00	0.04	0.423	O	|	|	|	|	0.89
65.250	0.00	0.05	0.442	O	|	|	|	|	0.93	70.417	0.00	0.04	0.422	O	|	|	|	|	0.89
65.333	0.00	0.05	0.441	O	|	|	|	|	0.93	70.500	0.00	0.04	0.422	O	|	|	|	|	0.89
65.417	0.00	0.05	0.441	O	|	|	|	|	0.93	70.583	0.00	0.04	0.422	O	|	|	|	|	0.89
65.500	0.00	0.05	0.441	O	|	|	|	|	0.93	70.667	0.00	0.04	0.421	O	|	|	|	|	0.89
65.583	0.00	0.05	0.441	O	|	|	|	|	0.93	70.750	0.00	0.04	0.421	O	|	|	|	|	0.89
65.667	0.00	0.05	0.440	O	|	|	|	|	0.93	70.833	0.00	0.04	0.421	O	|	|	|	|	0.89
65.750	0.00	0.05	0.440	O	|	|	|	|	0.93	70.917	0.00	0.04	0.421	O	|	|	|	|	0.89
65.833	0.00	0.05	0.440	O	|	|	|	|	0.93	71.000	0.00	0.04	0.420	O	|	|	|	|	0.89
65.917	0.00	0.05	0.439	O	|	|	|	|	0.93	71.083	0.00	0.04	0.420	O	|	|	|	|	0.89
66.000	0.00	0.05	0.439	O	|	|	|	|	0.93	71.167	0.00	0.04	0.420	O	|	|	|	|	0.89
66.083	0.00	0.05	0.439	O	|	|	|	|	0.93	71.250	0.00	0.04	0.419	O	|	|	|	|	0.88

71.333	0.00	0.04	0.419	O					0.88	76.500	0.00	0.04	0.401	O					0.84
71.417	0.00	0.04	0.419	O					0.88	76.583	0.00	0.04	0.400	O					0.84
71.500	0.00	0.04	0.418	O					0.88	76.667	0.00	0.04	0.400	O					0.84
71.583	0.00	0.04	0.418	O					0.88	76.750	0.00	0.04	0.400	O					0.84
71.667	0.00	0.04	0.418	O					0.88	76.833	0.00	0.04	0.399	O					0.84
71.750	0.00	0.04	0.417	O					0.88	76.917	0.00	0.04	0.399	O					0.84
71.833	0.00	0.04	0.417	O					0.88	77.000	0.00	0.04	0.399	O					0.84
71.917	0.00	0.04	0.417	O					0.88	77.083	0.00	0.04	0.398	O					0.84
72.000	0.00	0.04	0.417	O					0.88	77.167	0.00	0.04	0.398	O					0.84
72.083	0.00	0.04	0.416	O					0.88	77.250	0.00	0.04	0.398	O					0.84
72.167	0.00	0.04	0.416	O					0.88	77.333	0.00	0.04	0.398	O					0.84
72.250	0.00	0.04	0.416	O					0.88	77.417	0.00	0.04	0.397	O					0.84
72.333	0.00	0.04	0.415	O					0.88	77.500	0.00	0.04	0.397	O					0.84
72.417	0.00	0.04	0.415	O					0.88	77.583	0.00	0.04	0.397	O					0.84
72.500	0.00	0.04	0.415	O					0.87	77.667	0.00	0.04	0.396	O					0.84
72.583	0.00	0.04	0.414	O					0.87	77.750	0.00	0.04	0.396	O					0.84
72.667	0.00	0.04	0.414	O					0.87	77.833	0.00	0.04	0.396	O					0.84
72.750	0.00	0.04	0.414	O					0.87	77.917	0.00	0.04	0.396	O					0.83
72.833	0.00	0.04	0.414	O					0.87	78.000	0.00	0.04	0.395	O					0.83
72.917	0.00	0.04	0.413	O					0.87	78.083	0.00	0.04	0.395	O					0.83
73.000	0.00	0.04	0.413	O					0.87	78.167	0.00	0.04	0.395	O					0.83
73.083	0.00	0.04	0.413	O					0.87	78.250	0.00	0.04	0.394	O					0.83
73.167	0.00	0.04	0.412	O					0.87	78.333	0.00	0.04	0.394	O					0.83
73.250	0.00	0.04	0.412	O					0.87	78.417	0.00	0.04	0.394	O					0.83
73.333	0.00	0.04	0.412	O					0.87	78.500	0.00	0.04	0.394	O					0.83
73.417	0.00	0.04	0.411	O					0.87	78.583	0.00	0.04	0.393	O					0.83
73.500	0.00	0.04	0.411	O					0.87	78.667	0.00	0.04	0.393	O					0.83
73.583	0.00	0.04	0.411	O					0.87	78.750	0.00	0.04	0.393	O					0.83
73.667	0.00	0.04	0.411	O					0.87	78.833	0.00	0.04	0.392	O					0.83
73.750	0.00	0.04	0.410	O					0.87	78.917	0.00	0.04	0.392	O					0.83
73.833	0.00	0.04	0.410	O					0.86	79.000	0.00	0.04	0.392	O					0.83
73.917	0.00	0.04	0.410	O					0.86	79.083	0.00	0.04	0.392	O					0.83
74.000	0.00	0.04	0.409	O					0.86	79.167	0.00	0.04	0.391	O					0.83
74.083	0.00	0.04	0.409	O					0.86	79.250	0.00	0.04	0.391	O					0.82
74.167	0.00	0.04	0.409	O					0.86	79.333	0.00	0.04	0.391	O					0.82
74.250	0.00	0.04	0.408	O					0.86	79.417	0.00	0.04	0.390	O					0.82
74.333	0.00	0.04	0.408	O					0.86	79.500	0.00	0.04	0.390	O					0.82
74.417	0.00	0.04	0.408	O					0.86	79.583	0.00	0.04	0.390	O					0.82
74.500	0.00	0.04	0.408	O					0.86	79.667	0.00	0.04	0.390	O					0.82
74.583	0.00	0.04	0.407	O					0.86	79.750	0.00	0.04	0.389	O					0.82
74.667	0.00	0.04	0.407	O					0.86	79.833	0.00	0.04	0.389	O					0.82
74.750	0.00	0.04	0.407	O					0.86	79.917	0.00	0.04	0.389	O					0.82
74.833	0.00	0.04	0.406	O					0.86	80.000	0.00	0.04	0.388	O					0.82
74.917	0.00	0.04	0.406	O					0.86	80.083	0.00	0.04	0.388	O					0.82
75.000	0.00	0.04	0.406	O					0.86	80.167	0.00	0.04	0.388	O					0.82
75.083	0.00	0.04	0.406	O					0.86	80.250	0.00	0.04	0.388	O					0.82
75.167	0.00	0.04	0.405	O					0.85	80.333	0.00	0.04	0.387	O					0.82
75.250	0.00	0.04	0.405	O					0.85	80.417	0.00	0.04	0.387	O					0.82
75.333	0.00	0.04	0.405	O					0.85	80.500	0.00	0.04	0.387	O					0.82
75.417	0.00	0.04	0.404	O					0.85	80.583	0.00	0.04	0.387	O					0.82
75.500	0.00	0.04	0.404	O					0.85	80.667	0.00	0.04	0.386	O					0.81
75.583	0.00	0.04	0.404	O					0.85	80.750	0.00	0.04	0.386	O					0.81
75.667	0.00	0.04	0.403	O					0.85	80.833	0.00	0.04	0.386	O					0.81
75.750	0.00	0.04	0.403	O					0.85	80.917	0.00	0.04	0.385	O					0.81
75.833	0.00	0.04	0.403	O					0.85	81.000	0.00	0.04	0.385	O					0.81
75.917	0.00	0.04	0.403	O					0.85	81.083	0.00	0.04	0.385	O					0.81
76.000	0.00	0.04	0.402	O					0.85	81.167	0.00	0.04	0.385	O					0.81
76.083	0.00	0.04	0.402	O					0.85	81.250	0.00	0.04	0.384	O					0.81
76.167	0.00	0.04	0.402	O					0.85	81.333	0.00	0.04	0.384	O					0.81
76.250	0.00	0.04	0.401	O					0.85	81.417	0.00	0.04	0.384	O					0.81
76.333	0.00	0.04	0.401	O					0.85	81.500	0.00	0.04	0.383	O					0.81
76.417	0.00	0.04	0.401	O					0.85	81.583	0.00	0.04	0.383	O					0.81

81.667	0.00	0.04	0.383	O					0.81	86.833	0.00	0.04	0.366	O					0.77
81.750	0.00	0.04	0.383	O					0.81	86.917	0.00	0.04	0.366	O					0.77
81.833	0.00	0.04	0.382	O					0.81	87.000	0.00	0.04	0.365	O					0.77
81.917	0.00	0.04	0.382	O					0.81	87.083	0.00	0.04	0.365	O					0.77
82.000	0.00	0.04	0.382	O					0.81	87.167	0.00	0.04	0.365	O					0.77
82.083	0.00	0.04	0.381	O					0.80	87.250	0.00	0.04	0.365	O					0.77
82.167	0.00	0.04	0.381	O					0.80	87.333	0.00	0.04	0.364	O					0.77
82.250	0.00	0.04	0.381	O					0.80	87.417	0.00	0.04	0.364	O					0.77
82.333	0.00	0.04	0.381	O					0.80	87.500	0.00	0.04	0.364	O					0.77
82.417	0.00	0.04	0.380	O					0.80	87.583	0.00	0.04	0.364	O					0.77
82.500	0.00	0.04	0.380	O					0.80	87.667	0.00	0.04	0.363	O					0.77
82.583	0.00	0.04	0.380	O					0.80	87.750	0.00	0.04	0.363	O					0.77
82.667	0.00	0.04	0.380	O					0.80	87.833	0.00	0.04	0.363	O					0.77
82.750	0.00	0.04	0.379	O					0.80	87.917	0.00	0.04	0.363	O					0.76
82.833	0.00	0.04	0.379	O					0.80	88.000	0.00	0.04	0.362	O					0.76
82.917	0.00	0.04	0.379	O					0.80	88.083	0.00	0.04	0.362	O					0.76
83.000	0.00	0.04	0.378	O					0.80	88.167	0.00	0.04	0.362	O					0.76
83.083	0.00	0.04	0.378	O					0.80	88.250	0.00	0.04	0.362	O					0.76
83.167	0.00	0.04	0.378	O					0.80	88.333	0.00	0.04	0.361	O					0.76
83.250	0.00	0.04	0.378	O					0.80	88.417	0.00	0.04	0.361	O					0.76
83.333	0.00	0.04	0.377	O					0.80	88.500	0.00	0.04	0.361	O					0.76
83.417	0.00	0.04	0.377	O					0.80	88.583	0.00	0.04	0.360	O					0.76
83.500	0.00	0.04	0.377	O					0.79	88.667	0.00	0.04	0.360	O					0.76
83.583	0.00	0.04	0.377	O					0.79	88.750	0.00	0.04	0.360	O					0.76
83.667	0.00	0.04	0.376	O					0.79	88.833	0.00	0.04	0.360	O					0.76
83.750	0.00	0.04	0.376	O					0.79	88.917	0.00	0.04	0.359	O					0.76
83.833	0.00	0.04	0.376	O					0.79	89.000	0.00	0.04	0.359	O					0.76
83.917	0.00	0.04	0.375	O					0.79	89.083	0.00	0.04	0.359	O					0.76
84.000	0.00	0.04	0.375	O					0.79	89.167	0.00	0.04	0.359	O					0.76
84.083	0.00	0.04	0.375	O					0.79	89.250	0.00	0.04	0.358	O					0.76
84.167	0.00	0.04	0.375	O					0.79	89.333	0.00	0.04	0.358	O					0.76
84.250	0.00	0.04	0.374	O					0.79	89.417	0.00	0.04	0.358	O					0.76
84.333	0.00	0.04	0.374	O					0.79	89.500	0.00	0.04	0.358	O					0.75
84.417	0.00	0.04	0.374	O					0.79	89.583	0.00	0.04	0.357	O					0.75
84.500	0.00	0.04	0.374	O					0.79	89.667	0.00	0.04	0.357	O					0.75
84.583	0.00	0.04	0.373	O					0.79	89.750	0.00	0.04	0.357	O					0.75
84.667	0.00	0.04	0.373	O					0.79	89.833	0.00	0.04	0.357	O					0.75
84.750	0.00	0.04	0.373	O					0.79	89.917	0.00	0.04	0.356	O					0.75
84.833	0.00	0.04	0.372	O					0.79	90.000	0.00	0.04	0.356	O					0.75
84.917	0.00	0.04	0.372	O					0.79	90.083	0.00	0.04	0.356	O					0.75
85.000	0.00	0.04	0.372	O					0.78	90.167	0.00	0.04	0.356	O					0.75
85.083	0.00	0.04	0.372	O					0.78	90.250	0.00	0.04	0.355	O					0.75
85.167	0.00	0.04	0.371	O					0.78	90.333	0.00	0.04	0.355	O					0.75
85.250	0.00	0.04	0.371	O					0.78	90.417	0.00	0.04	0.355	O					0.75
85.333	0.00	0.04	0.371	O					0.78	90.500	0.00	0.04	0.355	O					0.75
85.417	0.00	0.04	0.371	O					0.78	90.583	0.00	0.04	0.354	O					0.75
85.500	0.00	0.04	0.370	O					0.78	90.667	0.00	0.04	0.354	O					0.75
85.583	0.00	0.04	0.370	O					0.78	90.750	0.00	0.04	0.354	O					0.75
85.667	0.00	0.04	0.370	O					0.78	90.833	0.00	0.04	0.353	O					0.75
85.750	0.00	0.04	0.369	O					0.78	90.917	0.00	0.04	0.353	O					0.75
85.833	0.00	0.04	0.369	O					0.78	91.000	0.00	0.04	0.353	O					0.74
85.917	0.00	0.04	0.369	O					0.78	91.083	0.00	0.04	0.353	O					0.74
86.000	0.00	0.04	0.369	O					0.78	91.167	0.00	0.04	0.352	O					0.74
86.083	0.00	0.04	0.368	O					0.78	91.250	0.00	0.04	0.352	O					0.74
86.167	0.00	0.04	0.368	O					0.78	91.333	0.00	0.04	0.352	O					0.74
86.250	0.00	0.04	0.368	O					0.78	91.417	0.00	0.04	0.352	O					0.74
86.333	0.00	0.04	0.368	O					0.78	91.500	0.00	0.04	0.351	O					0.74
86.417	0.00	0.04	0.367	O					0.78	91.583	0.00	0.04	0.351	O					0.74
86.500	0.00	0.04	0.367	O					0.77	91.667	0.00	0.04	0.351	O					0.74
86.583	0.00	0.04	0.367	O					0.77	91.750	0.00	0.04	0.351	O					0.74
86.667	0.00	0.04	0.367	O					0.77	91.833	0.00	0.04	0.350	O					0.74
86.750	0.00	0.04	0.366	O					0.77	91.917	0.00	0.04	0.350	O					0.74

92.000	0.00	0.04	0.350	O					0.74	97.167	0.00	0.04	0.334	O					0.71
92.083	0.00	0.04	0.350	O					0.74	97.250	0.00	0.04	0.334	O					0.71
92.167	0.00	0.04	0.349	O					0.74	97.333	0.00	0.04	0.334	O					0.70
92.250	0.00	0.04	0.349	O					0.74	97.417	0.00	0.04	0.334	O					0.70
92.333	0.00	0.04	0.349	O					0.74	97.500	0.00	0.04	0.334	O					0.70
92.417	0.00	0.04	0.349	O					0.74	97.583	0.00	0.04	0.333	O					0.70
92.500	0.00	0.04	0.348	O					0.73	97.667	0.00	0.04	0.333	O					0.70
92.583	0.00	0.04	0.348	O					0.73	97.750	0.00	0.04	0.333	O					0.70
92.667	0.00	0.04	0.348	O					0.73	97.833	0.00	0.04	0.333	O					0.70
92.750	0.00	0.04	0.348	O					0.73	97.917	0.00	0.04	0.332	O					0.70
92.833	0.00	0.04	0.347	O					0.73	98.000	0.00	0.04	0.332	O					0.70
92.917	0.00	0.04	0.347	O					0.73	98.083	0.00	0.04	0.332	O					0.70
93.000	0.00	0.04	0.347	O					0.73	98.167	0.00	0.03	0.332	O					0.70
93.083	0.00	0.04	0.347	O					0.73	98.250	0.00	0.03	0.331	O					0.70
93.167	0.00	0.04	0.346	O					0.73	98.333	0.00	0.03	0.331	O					0.70
93.250	0.00	0.04	0.346	O					0.73	98.417	0.00	0.03	0.331	O					0.70
93.333	0.00	0.04	0.346	O					0.73	98.500	0.00	0.03	0.331	O					0.70
93.417	0.00	0.04	0.346	O					0.73	98.583	0.00	0.03	0.330	O					0.70
93.500	0.00	0.04	0.345	O					0.73	98.667	0.00	0.03	0.330	O					0.70
93.583	0.00	0.04	0.345	O					0.73	98.750	0.00	0.03	0.330	O					0.70
93.667	0.00	0.04	0.345	O					0.73	98.833	0.00	0.03	0.330	O					0.70
93.750	0.00	0.04	0.345	O					0.73	98.917	0.00	0.03	0.329	O					0.69
93.833	0.00	0.04	0.344	O					0.73	99.000	0.00	0.03	0.329	O					0.69
93.917	0.00	0.04	0.344	O					0.73	99.083	0.00	0.03	0.329	O					0.69
94.000	0.00	0.04	0.344	O					0.73	99.167	0.00	0.03	0.329	O					0.69
94.083	0.00	0.04	0.344	O					0.72	99.250	0.00	0.03	0.328	O					0.69
94.167	0.00	0.04	0.343	O					0.72	99.333	0.00	0.03	0.328	O					0.69
94.250	0.00	0.04	0.343	O					0.72	99.417	0.00	0.03	0.328	O					0.69
94.333	0.00	0.04	0.343	O					0.72	99.500	0.00	0.03	0.328	O					0.69
94.417	0.00	0.04	0.343	O					0.72	99.583	0.00	0.03	0.328	O					0.69
94.500	0.00	0.04	0.342	O					0.72	99.667	0.00	0.03	0.327	O					0.69
94.583	0.00	0.04	0.342	O					0.72	99.750	0.00	0.03	0.327	O					0.69
94.667	0.00	0.04	0.342	O					0.72	99.833	0.00	0.03	0.327	O					0.69
94.750	0.00	0.04	0.342	O					0.72	99.917	0.00	0.03	0.327	O					0.69
94.833	0.00	0.04	0.341	O					0.72	100.000	0.00	0.03	0.326	O					0.69
94.917	0.00	0.04	0.341	O					0.72	100.083	0.00	0.03	0.326	O					0.69
95.000	0.00	0.04	0.341	O					0.72	100.167	0.00	0.03	0.326	O					0.69
95.083	0.00	0.04	0.341	O					0.72	100.250	0.00	0.03	0.326	O					0.69
95.167	0.00	0.04	0.340	O					0.72	100.333	0.00	0.03	0.325	O					0.69
95.250	0.00	0.04	0.340	O					0.72	100.417	0.00	0.03	0.325	O					0.69
95.333	0.00	0.04	0.340	O					0.72	100.500	0.00	0.03	0.325	O					0.69
95.417	0.00	0.04	0.340	O					0.72	100.583	0.00	0.03	0.325	O					0.68
95.500	0.00	0.04	0.339	O					0.72	100.667	0.00	0.03	0.324	O					0.68
95.583	0.00	0.04	0.339	O					0.72	100.750	0.00	0.03	0.324	O					0.68
95.667	0.00	0.04	0.339	O					0.71	100.833	0.00	0.03	0.324	O					0.68
95.750	0.00	0.04	0.339	O					0.71	100.917	0.00	0.03	0.324	O					0.68
95.833	0.00	0.04	0.338	O					0.71	101.000	0.00	0.03	0.323	O					0.68
95.917	0.00	0.04	0.338	O					0.71	101.083	0.00	0.03	0.323	O					0.68
96.000	0.00	0.04	0.338	O					0.71	101.167	0.00	0.03	0.323	O					0.68
96.083	0.00	0.04	0.338	O					0.71	101.250	0.00	0.03	0.323	O					0.68
96.167	0.00	0.04	0.337	O					0.71	101.333	0.00	0.03	0.323	O					0.68
96.250	0.00	0.04	0.337	O					0.71	101.417	0.00	0.03	0.322	O					0.68
96.333	0.00	0.04	0.337	O					0.71	101.500	0.00	0.03	0.322	O					0.68
96.417	0.00	0.04	0.337	O					0.71	101.583	0.00	0.03	0.322	O					0.68
96.500	0.00	0.04	0.336	O					0.71	101.667	0.00	0.03	0.322	O					0.68
96.583	0.00	0.04	0.336	O					0.71	101.750	0.00	0.03	0.321	O					0.68
96.667	0.00	0.04	0.336	O					0.71	101.833	0.00	0.03	0.321	O					0.68
96.750	0.00	0.04	0.336	O					0.71	101.917	0.00	0.03	0.321	O					0.68
96.833	0.00	0.04	0.335	O					0.71	102.000	0.00	0.03	0.321	O					0.68
96.917	0.00	0.04	0.335	O					0.71	102.083	0.00	0.03	0.320	O					0.68
97.000	0.00	0.04	0.335	O					0.71	102.167	0.00	0.03	0.320	O					0.68
97.083	0.00	0.04	0.335	O					0.71	102.250	0.00	0.03	0.320	O					0.68

102.333	0.00	0.03	0.320	O	|	|	|	|	0.67	107.500	0.00	0.03	0.306	O	|	|	|	|	0.64
102.417	0.00	0.03	0.320	O	|	|	|	|	0.67	107.583	0.00	0.03	0.305	O	|	|	|	|	0.64
102.500	0.00	0.03	0.319	O	|	|	|	|	0.67	107.667	0.00	0.03	0.305	O	|	|	|	|	0.64
102.583	0.00	0.03	0.319	O	|	|	|	|	0.67	107.750	0.00	0.03	0.305	O	|	|	|	|	0.64
102.667	0.00	0.03	0.319	O	|	|	|	|	0.67	107.833	0.00	0.03	0.305	O	|	|	|	|	0.64
102.750	0.00	0.03	0.319	O	|	|	|	|	0.67	107.917	0.00	0.03	0.305	O	|	|	|	|	0.64
102.833	0.00	0.03	0.318	O	|	|	|	|	0.67	108.000	0.00	0.03	0.304	O	|	|	|	|	0.64
102.917	0.00	0.03	0.318	O	|	|	|	|	0.67	108.083	0.00	0.03	0.304	O	|	|	|	|	0.64
103.000	0.00	0.03	0.318	O	|	|	|	|	0.67	108.167	0.00	0.03	0.304	O	|	|	|	|	0.64
103.083	0.00	0.03	0.318	O	|	|	|	|	0.67	108.250	0.00	0.03	0.304	O	|	|	|	|	0.64
103.167	0.00	0.03	0.317	O	|	|	|	|	0.67	108.333	0.00	0.03	0.303	O	|	|	|	|	0.64
103.250	0.00	0.03	0.317	O	|	|	|	|	0.67	108.417	0.00	0.03	0.303	O	|	|	|	|	0.64
103.333	0.00	0.03	0.317	O	|	|	|	|	0.67	108.500	0.00	0.03	0.303	O	|	|	|	|	0.64
103.417	0.00	0.03	0.317	O	|	|	|	|	0.67	108.583	0.00	0.03	0.303	O	|	|	|	|	0.64
103.500	0.00	0.03	0.317	O	|	|	|	|	0.67	108.667	0.00	0.03	0.303	O	|	|	|	|	0.64
103.583	0.00	0.03	0.316	O	|	|	|	|	0.67	108.750	0.00	0.03	0.302	O	|	|	|	|	0.64
103.667	0.00	0.03	0.316	O	|	|	|	|	0.67	108.833	0.00	0.03	0.302	O	|	|	|	|	0.64
103.750	0.00	0.03	0.316	O	|	|	|	|	0.67	108.917	0.00	0.03	0.302	O	|	|	|	|	0.64
103.833	0.00	0.03	0.316	O	|	|	|	|	0.67	109.000	0.00	0.03	0.302	O	|	|	|	|	0.64
103.917	0.00	0.03	0.315	O	|	|	|	|	0.67	109.083	0.00	0.03	0.301	O	|	|	|	|	0.64
104.000	0.00	0.03	0.315	O	|	|	|	|	0.66	109.167	0.00	0.03	0.301	O	|	|	|	|	0.64
104.083	0.00	0.03	0.315	O	|	|	|	|	0.66	109.250	0.00	0.03	0.301	O	|	|	|	|	0.64
104.167	0.00	0.03	0.315	O	|	|	|	|	0.66	109.333	0.00	0.03	0.301	O	|	|	|	|	0.63
104.250	0.00	0.03	0.314	O	|	|	|	|	0.66	109.417	0.00	0.03	0.301	O	|	|	|	|	0.63
104.333	0.00	0.03	0.314	O	|	|	|	|	0.66	109.500	0.00	0.03	0.300	O	|	|	|	|	0.63
104.417	0.00	0.03	0.314	O	|	|	|	|	0.66	109.583	0.00	0.03	0.300	O	|	|	|	|	0.63
104.500	0.00	0.03	0.314	O	|	|	|	|	0.66	109.667	0.00	0.03	0.300	O	|	|	|	|	0.63
104.583	0.00	0.03	0.314	O	|	|	|	|	0.66	109.750	0.00	0.03	0.300	O	|	|	|	|	0.63
104.667	0.00	0.03	0.313	O	|	|	|	|	0.66	109.833	0.00	0.03	0.300	O	|	|	|	|	0.63
104.750	0.00	0.03	0.313	O	|	|	|	|	0.66	109.917	0.00	0.03	0.299	O	|	|	|	|	0.63
104.833	0.00	0.03	0.313	O	|	|	|	|	0.66	110.000	0.00	0.03	0.299	O	|	|	|	|	0.63
104.917	0.00	0.03	0.313	O	|	|	|	|	0.66	110.083	0.00	0.03	0.299	O	|	|	|	|	0.63
105.000	0.00	0.03	0.312	O	|	|	|	|	0.66	110.167	0.00	0.03	0.299	O	|	|	|	|	0.63
105.083	0.00	0.03	0.312	O	|	|	|	|	0.66	110.250	0.00	0.03	0.298	O	|	|	|	|	0.63
105.167	0.00	0.03	0.312	O	|	|	|	|	0.66	110.333	0.00	0.03	0.298	O	|	|	|	|	0.63
105.250	0.00	0.03	0.312	O	|	|	|	|	0.66	110.417	0.00	0.03	0.298	O	|	|	|	|	0.63
105.333	0.00	0.03	0.312	O	|	|	|	|	0.66	110.500	0.00	0.03	0.298	O	|	|	|	|	0.63
105.417	0.00	0.03	0.311	O	|	|	|	|	0.66	110.583	0.00	0.03	0.298	O	|	|	|	|	0.63
105.500	0.00	0.03	0.311	O	|	|	|	|	0.66	110.667	0.00	0.03	0.297	O	|	|	|	|	0.63
105.583	0.00	0.03	0.311	O	|	|	|	|	0.66	110.750	0.00	0.03	0.297	O	|	|	|	|	0.63
105.667	0.00	0.03	0.311	O	|	|	|	|	0.66	110.833	0.00	0.03	0.297	O	|	|	|	|	0.63
105.750	0.00	0.03	0.310	O	|	|	|	|	0.65	110.917	0.00	0.03	0.297	O	|	|	|	|	0.63
105.833	0.00	0.03	0.310	O	|	|	|	|	0.65	111.000	0.00	0.03	0.296	O	|	|	|	|	0.63
105.917	0.00	0.03	0.310	O	|	|	|	|	0.65	111.083	0.00	0.03	0.296	O	|	|	|	|	0.63
106.000	0.00	0.03	0.310	O	|	|	|	|	0.65	111.167	0.00	0.03	0.296	O	|	|	|	|	0.62
106.083	0.00	0.03	0.309	O	|	|	|	|	0.65	111.250	0.00	0.03	0.296	O	|	|	|	|	0.62
106.167	0.00	0.03	0.309	O	|	|	|	|	0.65	111.333	0.00	0.03	0.296	O	|	|	|	|	0.62
106.250	0.00	0.03	0.309	O	|	|	|	|	0.65	111.417	0.00	0.03	0.295	O	|	|	|	|	0.62
106.333	0.00	0.03	0.309	O	|	|	|	|	0.65	111.500	0.00	0.03	0.295	O	|	|	|	|	0.62
106.417	0.00	0.03	0.309	O	|	|	|	|	0.65	111.583	0.00	0.03	0.295	O	|	|	|	|	0.62
106.500	0.00	0.03	0.308	O	|	|	|	|	0.65	111.667	0.00	0.03	0.295	O	|	|	|	|	0.62
106.583	0.00	0.03	0.308	O	|	|	|	|	0.65	111.750	0.00	0.03	0.295	O	|	|	|	|	0.62
106.667	0.00	0.03	0.308	O	|	|	|	|	0.65	111.833	0.00	0.03	0.294	O	|	|	|	|	0.62
106.750	0.00	0.03	0.308	O	|	|	|	|	0.65	111.917	0.00	0.03	0.294	O	|	|	|	|	0.62
106.833	0.00	0.03	0.307	O	|	|	|	|	0.65	112.000	0.00	0.03	0.294	O	|	|	|	|	0.62
106.917	0.00	0.03	0.307	O	|	|	|	|	0.65	112.083	0.00	0.03	0.294	O	|	|	|	|	0.62
107.000	0.00	0.03	0.307	O	|	|	|	|	0.65	112.167	0.00	0.03	0.293	O	|	|	|	|	0.62
107.083	0.00	0.03	0.307	O	|	|	|	|	0.65	112.250	0.00	0.03	0.293	O	|	|	|	|	0.62
107.167	0.00	0.03	0.307	O	|	|	|	|	0.65	112.333	0.00	0.03	0.293	O	|	|	|	|	0.62
107.250	0.00	0.03	0.306	O	|	|	|	|	0.65	112.417	0.00	0.03	0.293	O	|	|	|	|	0.62
107.333	0.00	0.03	0.306	O	|	|	|	|	0.65	112.500	0.00	0.03	0.293	O	|	|	|	|	0.62
107.417	0.00	0.03	0.306	O	|	|	|	|	0.65	112.583	0.00	0.03	0.292	O	|	|	|	|	0.62

112.667	0.00	0.03	0.292	O	|	|	|	|	0.62	117.833	0.00	0.03	0.279	O	|	|	|	|	0.59
112.750	0.00	0.03	0.292	O	|	|	|	|	0.62	117.917	0.00	0.03	0.279	O	|	|	|	|	0.59
112.833	0.00	0.03	0.292	O	|	|	|	|	0.62	118.000	0.00	0.03	0.279	O	|	|	|	|	0.59
112.917	0.00	0.03	0.292	O	|	|	|	|	0.62	118.083	0.00	0.03	0.279	O	|	|	|	|	0.59
113.000	0.00	0.03	0.291	O	|	|	|	|	0.61	118.167	0.00	0.03	0.279	O	|	|	|	|	0.59
113.083	0.00	0.03	0.291	O	|	|	|	|	0.61	118.250	0.00	0.03	0.278	O	|	|	|	|	0.59
113.167	0.00	0.03	0.291	O	|	|	|	|	0.61	118.333	0.00	0.03	0.278	O	|	|	|	|	0.59
113.250	0.00	0.03	0.291	O	|	|	|	|	0.61	118.417	0.00	0.03	0.278	O	|	|	|	|	0.59
113.333	0.00	0.03	0.291	O	|	|	|	|	0.61	118.500	0.00	0.03	0.278	O	|	|	|	|	0.59
113.417	0.00	0.03	0.290	O	|	|	|	|	0.61	118.583	0.00	0.03	0.278	O	|	|	|	|	0.59
113.500	0.00	0.03	0.290	O	|	|	|	|	0.61	118.667	0.00	0.03	0.277	O	|	|	|	|	0.59
113.583	0.00	0.03	0.290	O	|	|	|	|	0.61	118.750	0.00	0.03	0.277	O	|	|	|	|	0.58
113.667	0.00	0.03	0.290	O	|	|	|	|	0.61	118.833	0.00	0.03	0.277	O	|	|	|	|	0.58
113.750	0.00	0.03	0.289	O	|	|	|	|	0.61	118.917	0.00	0.03	0.277	O	|	|	|	|	0.58
113.833	0.00	0.03	0.289	O	|	|	|	|	0.61	119.000	0.00	0.03	0.277	O	|	|	|	|	0.58
113.917	0.00	0.03	0.289	O	|	|	|	|	0.61	119.083	0.00	0.03	0.276	O	|	|	|	|	0.58
114.000	0.00	0.03	0.289	O	|	|	|	|	0.61	119.167	0.00	0.03	0.276	O	|	|	|	|	0.58
114.083	0.00	0.03	0.289	O	|	|	|	|	0.61	119.250	0.00	0.03	0.276	O	|	|	|	|	0.58
114.167	0.00	0.03	0.288	O	|	|	|	|	0.61	119.333	0.00	0.03	0.276	O	|	|	|	|	0.58
114.250	0.00	0.03	0.288	O	|	|	|	|	0.61	119.417	0.00	0.03	0.276	O	|	|	|	|	0.58
114.333	0.00	0.03	0.288	O	|	|	|	|	0.61	119.500	0.00	0.03	0.275	O	|	|	|	|	0.58
114.417	0.00	0.03	0.288	O	|	|	|	|	0.61	119.583	0.00	0.03	0.275	O	|	|	|	|	0.58
114.500	0.00	0.03	0.288	O	|	|	|	|	0.61	119.667	0.00	0.03	0.275	O	|	|	|	|	0.58
114.583	0.00	0.03	0.287	O	|	|	|	|	0.61	119.750	0.00	0.03	0.275	O	|	|	|	|	0.58
114.667	0.00	0.03	0.287	O	|	|	|	|	0.61	119.833	0.00	0.03	0.275	O	|	|	|	|	0.58
114.750	0.00	0.03	0.287	O	|	|	|	|	0.61	119.917	0.00	0.03	0.274	O	|	|	|	|	0.58
114.833	0.00	0.03	0.287	O	|	|	|	|	0.60	120.000	0.00	0.03	0.274	O	|	|	|	|	0.58
114.917	0.00	0.03	0.287	O	|	|	|	|	0.60	120.083	0.00	0.03	0.274	O	|	|	|	|	0.58
115.000	0.00	0.03	0.286	O	|	|	|	|	0.60	120.167	0.00	0.03	0.274	O	|	|	|	|	0.58
115.083	0.00	0.03	0.286	O	|	|	|	|	0.60	120.250	0.00	0.03	0.274	O	|	|	|	|	0.58
115.167	0.00	0.03	0.286	O	|	|	|	|	0.60	120.333	0.00	0.03	0.273	O	|	|	|	|	0.58
115.250	0.00	0.03	0.286	O	|	|	|	|	0.60	120.417	0.00	0.03	0.273	O	|	|	|	|	0.58
115.333	0.00	0.03	0.285	O	|	|	|	|	0.60	120.500	0.00	0.03	0.273	O	|	|	|	|	0.58
115.417	0.00	0.03	0.285	O	|	|	|	|	0.60	120.583	0.00	0.03	0.273	O	|	|	|	|	0.58
115.500	0.00	0.03	0.285	O	|	|	|	|	0.60	120.667	0.00	0.03	0.273	O	|	|	|	|	0.57
115.583	0.00	0.03	0.285	O	|	|	|	|	0.60	120.750	0.00	0.03	0.272	O	|	|	|	|	0.57
115.667	0.00	0.03	0.285	O	|	|	|	|	0.60	120.833	0.00	0.03	0.272	O	|	|	|	|	0.57
115.750	0.00	0.03	0.284	O	|	|	|	|	0.60	120.917	0.00	0.03	0.272	O	|	|	|	|	0.57
115.833	0.00	0.03	0.284	O	|	|	|	|	0.60	121.000	0.00	0.03	0.272	O	|	|	|	|	0.57
115.917	0.00	0.03	0.284	O	|	|	|	|	0.60	121.083	0.00	0.03	0.272	O	|	|	|	|	0.57
116.000	0.00	0.03	0.284	O	|	|	|	|	0.60	121.167	0.00	0.03	0.271	O	|	|	|	|	0.57
116.083	0.00	0.03	0.284	O	|	|	|	|	0.60	121.250	0.00	0.03	0.271	O	|	|	|	|	0.57
116.167	0.00	0.03	0.283	O	|	|	|	|	0.60	121.333	0.00	0.03	0.271	O	|	|	|	|	0.57
116.250	0.00	0.03	0.283	O	|	|	|	|	0.60	121.417	0.00	0.03	0.271	O	|	|	|	|	0.57
116.333	0.00	0.03	0.283	O	|	|	|	|	0.60	121.500	0.00	0.03	0.271	O	|	|	|	|	0.57
116.417	0.00	0.03	0.283	O	|	|	|	|	0.60	121.583	0.00	0.03	0.270	O	|	|	|	|	0.57
116.500	0.00	0.03	0.283	O	|	|	|	|	0.60	121.667	0.00	0.03	0.270	O	|	|	|	|	0.57
116.583	0.00	0.03	0.282	O	|	|	|	|	0.60	121.750	0.00	0.03	0.270	O	|	|	|	|	0.57
116.667	0.00	0.03	0.282	O	|	|	|	|	0.60	121.833	0.00	0.03	0.270	O	|	|	|	|	0.57
116.750	0.00	0.03	0.282	O	|	|	|	|	0.59	121.917	0.00	0.03	0.270	O	|	|	|	|	0.57
116.833	0.00	0.03	0.282	O	|	|	|	|	0.59	122.000	0.00	0.03	0.269	O	|	|	|	|	0.57
116.917	0.00	0.03	0.282	O	|	|	|	|	0.59	122.083	0.00	0.03	0.269	O	|	|	|	|	0.57
117.000	0.00	0.03	0.281	O	|	|	|	|	0.59	122.167	0.00	0.03	0.269	O	|	|	|	|	0.57
117.083	0.00	0.03	0.281	O	|	|	|	|	0.59	122.250	0.00	0.03	0.269	O	|	|	|	|	0.57
117.167	0.00	0.03	0.281	O	|	|	|	|	0.59	122.333	0.00	0.03	0.269	O	|	|	|	|	0.57
117.250	0.00	0.03	0.281	O	|	|	|	|	0.59	122.417	0.00	0.03	0.268	O	|	|	|	|	0.57
117.333	0.00	0.03	0.281	O	|	|	|	|	0.59	122.500	0.00	0.03	0.268	O	|	|	|	|	0.57
117.417	0.00	0.03	0.280	O	|	|	|	|	0.59	122.583	0.00	0.03	0.268	O	|	|	|	|	0.57
117.500	0.00	0.03	0.280	O	|	|	|	|	0.59	122.667	0.00	0.03	0.268	O	|	|	|	|	0.57
117.583	0.00	0.03	0.280	O	|	|	|	|	0.59	122.750	0.00	0.03	0.268	O	|	|	|	|	0.56
117.667	0.00	0.03	0.280	O	|	|	|	|	0.59	122.833	0.00	0.03	0.267	O	|	|	|	|	0.56
117.750	0.00	0.03	0.280	O	|	|	|	|	0.59	122.917	0.00	0.03	0.267	O	|	|	|	|	0.56

123.000	0.00	0.03	0.267	O	|	|	|	|	0.56	128.167	0.00	0.03	0.255	O	|	|	|	|	0.54
123.083	0.00	0.03	0.267	O	|	|	|	|	0.56	128.250	0.00	0.03	0.255	O	|	|	|	|	0.54
123.167	0.00	0.03	0.267	O	|	|	|	|	0.56	128.333	0.00	0.03	0.255	O	|	|	|	|	0.54
123.250	0.00	0.03	0.266	O	|	|	|	|	0.56	128.417	0.00	0.03	0.255	O	|	|	|	|	0.54
123.333	0.00	0.03	0.266	O	|	|	|	|	0.56	128.500	0.00	0.03	0.255	O	|	|	|	|	0.54
123.417	0.00	0.03	0.266	O	|	|	|	|	0.56	128.583	0.00	0.03	0.254	O	|	|	|	|	0.54
123.500	0.00	0.03	0.266	O	|	|	|	|	0.56	128.667	0.00	0.03	0.254	O	|	|	|	|	0.54
123.583	0.00	0.03	0.266	O	|	|	|	|	0.56	128.750	0.00	0.03	0.254	O	|	|	|	|	0.54
123.667	0.00	0.03	0.265	O	|	|	|	|	0.56	128.833	0.00	0.03	0.254	O	|	|	|	|	0.54
123.750	0.00	0.03	0.265	O	|	|	|	|	0.56	128.917	0.00	0.03	0.254	O	|	|	|	|	0.54
123.833	0.00	0.03	0.265	O	|	|	|	|	0.56	129.000	0.00	0.03	0.253	O	|	|	|	|	0.53
123.917	0.00	0.03	0.265	O	|	|	|	|	0.56	129.083	0.00	0.03	0.253	O	|	|	|	|	0.53
124.000	0.00	0.03	0.265	O	|	|	|	|	0.56	129.167	0.00	0.03	0.253	O	|	|	|	|	0.53
124.083	0.00	0.03	0.265	O	|	|	|	|	0.56	129.250	0.00	0.03	0.253	O	|	|	|	|	0.53
124.167	0.00	0.03	0.264	O	|	|	|	|	0.56	129.333	0.00	0.03	0.253	O	|	|	|	|	0.53
124.250	0.00	0.03	0.264	O	|	|	|	|	0.56	129.417	0.00	0.03	0.253	O	|	|	|	|	0.53
124.333	0.00	0.03	0.264	O	|	|	|	|	0.56	129.500	0.00	0.03	0.252	O	|	|	|	|	0.53
124.417	0.00	0.03	0.264	O	|	|	|	|	0.56	129.583	0.00	0.03	0.252	O	|	|	|	|	0.53
124.500	0.00	0.03	0.264	O	|	|	|	|	0.56	129.667	0.00	0.03	0.252	O	|	|	|	|	0.53
124.583	0.00	0.03	0.263	O	|	|	|	|	0.56	129.750	0.00	0.03	0.252	O	|	|	|	|	0.53
124.667	0.00	0.03	0.263	O	|	|	|	|	0.56	129.833	0.00	0.03	0.252	O	|	|	|	|	0.53
124.750	0.00	0.03	0.263	O	|	|	|	|	0.55	129.917	0.00	0.03	0.251	O	|	|	|	|	0.53
124.833	0.00	0.03	0.263	O	|	|	|	|	0.55	130.000	0.00	0.03	0.251	O	|	|	|	|	0.53
124.917	0.00	0.03	0.263	O	|	|	|	|	0.55	130.083	0.00	0.03	0.251	O	|	|	|	|	0.53
125.000	0.00	0.03	0.262	O	|	|	|	|	0.55	130.167	0.00	0.03	0.251	O	|	|	|	|	0.53
125.083	0.00	0.03	0.262	O	|	|	|	|	0.55	130.250	0.00	0.03	0.251	O	|	|	|	|	0.53
125.167	0.00	0.03	0.262	O	|	|	|	|	0.55	130.333	0.00	0.03	0.251	O	|	|	|	|	0.53
125.250	0.00	0.03	0.262	O	|	|	|	|	0.55	130.417	0.00	0.03	0.250	O	|	|	|	|	0.53
125.333	0.00	0.03	0.262	O	|	|	|	|	0.55	130.500	0.00	0.03	0.250	O	|	|	|	|	0.53
125.417	0.00	0.03	0.261	O	|	|	|	|	0.55	130.583	0.00	0.03	0.250	O	|	|	|	|	0.53
125.500	0.00	0.03	0.261	O	|	|	|	|	0.55	130.667	0.00	0.03	0.250	O	|	|	|	|	0.53
125.583	0.00	0.03	0.261	O	|	|	|	|	0.55	130.750	0.00	0.03	0.250	O	|	|	|	|	0.53
125.667	0.00	0.03	0.261	O	|	|	|	|	0.55	130.833	0.00	0.03	0.249	O	|	|	|	|	0.53
125.750	0.00	0.03	0.261	O	|	|	|	|	0.55	130.917	0.00	0.03	0.249	O	|	|	|	|	0.53
125.833	0.00	0.03	0.261	O	|	|	|	|	0.55	131.000	0.00	0.03	0.249	O	|	|	|	|	0.53
125.917	0.00	0.03	0.260	O	|	|	|	|	0.55	131.083	0.00	0.03	0.249	O	|	|	|	|	0.53
126.000	0.00	0.03	0.260	O	|	|	|	|	0.55	131.167	0.00	0.03	0.249	O	|	|	|	|	0.52
126.083	0.00	0.03	0.260	O	|	|	|	|	0.55	131.250	0.00	0.03	0.249	O	|	|	|	|	0.52
126.167	0.00	0.03	0.260	O	|	|	|	|	0.55	131.333	0.00	0.03	0.248	O	|	|	|	|	0.52
126.250	0.00	0.03	0.260	O	|	|	|	|	0.55	131.417	0.00	0.03	0.248	O	|	|	|	|	0.52
126.333	0.00	0.03	0.259	O	|	|	|	|	0.55	131.500	0.00	0.03	0.248	O	|	|	|	|	0.52
126.417	0.00	0.03	0.259	O	|	|	|	|	0.55	131.583	0.00	0.03	0.248	O	|	|	|	|	0.52
126.500	0.00	0.03	0.259	O	|	|	|	|	0.55	131.667	0.00	0.03	0.248	O	|	|	|	|	0.52
126.583	0.00	0.03	0.259	O	|	|	|	|	0.55	131.750	0.00	0.03	0.247	O	|	|	|	|	0.52
126.667	0.00	0.03	0.259	O	|	|	|	|	0.55	131.833	0.00	0.03	0.247	O	|	|	|	|	0.52
126.750	0.00	0.03	0.258	O	|	|	|	|	0.55	131.917	0.00	0.03	0.247	O	|	|	|	|	0.52
126.833	0.00	0.03	0.258	O	|	|	|	|	0.54	132.000	0.00	0.03	0.247	O	|	|	|	|	0.52
126.917	0.00	0.03	0.258	O	|	|	|	|	0.54	132.083	0.00	0.03	0.247	O	|	|	|	|	0.52
127.000	0.00	0.03	0.258	O	|	|	|	|	0.54	132.167	0.00	0.03	0.247	O	|	|	|	|	0.52
127.083	0.00	0.03	0.258	O	|	|	|	|	0.54	132.250	0.00	0.03	0.246	O	|	|	|	|	0.52
127.167	0.00	0.03	0.258	O	|	|	|	|	0.54	132.333	0.00	0.03	0.246	O	|	|	|	|	0.52
127.250	0.00	0.03	0.257	O	|	|	|	|	0.54	132.417	0.00	0.03	0.246	O	|	|	|	|	0.52
127.333	0.00	0.03	0.257	O	|	|	|	|	0.54	132.500	0.00	0.03	0.246	O	|	|	|	|	0.52
127.417	0.00	0.03	0.257	O	|	|	|	|	0.54	132.583	0.00	0.03	0.246	O	|	|	|	|	0.52
127.500	0.00	0.03	0.257	O	|	|	|	|	0.54	132.667	0.00	0.03	0.245	O	|	|	|	|	0.52
127.583	0.00	0.03	0.257	O	|	|	|	|	0.54	132.750	0.00	0.03	0.245	O	|	|	|	|	0.52
127.667	0.00	0.03	0.256	O	|	|	|	|	0.54	132.833	0.00	0.03	0.245	O	|	|	|	|	0.52
127.750	0.00	0.03	0.256	O	|	|	|	|	0.54	132.917	0.00	0.03	0.245	O	|	|	|	|	0.52
127.833	0.00	0.03	0.256	O	|	|	|	|	0.54	133.000	0.00	0.03	0.245	O	|	|	|	|	0.52
127.917	0.00	0.03	0.256	O	|	|	|	|	0.54	133.083	0.00	0.03	0.245	O	|	|	|	|	0.52
128.000	0.00	0.03	0.256	O	|	|	|	|	0.54	133.167	0.00	0.03	0.244	O	|	|	|	|	0.52
128.083	0.00	0.03	0.255	O	|	|	|	|	0.54	133.250	0.00	0.03	0.244	O	|	|	|	|	0.52

133.333	0.00	0.03	0.244	O	|	|	|	|	0.51	138.500	0.00	0.02	0.233	O	|	|	|	|	0.49
133.417	0.00	0.03	0.244	O	|	|	|	|	0.51	138.583	0.00	0.02	0.233	O	|	|	|	|	0.49
133.500	0.00	0.03	0.244	O	|	|	|	|	0.51	138.667	0.00	0.02	0.233	O	|	|	|	|	0.49
133.583	0.00	0.03	0.244	O	|	|	|	|	0.51	138.750	0.00	0.02	0.233	O	|	|	|	|	0.49
133.667	0.00	0.03	0.243	O	|	|	|	|	0.51	138.833	0.00	0.02	0.233	O	|	|	|	|	0.49
133.750	0.00	0.03	0.243	O	|	|	|	|	0.51	138.917	0.00	0.02	0.232	O	|	|	|	|	0.49
133.833	0.00	0.03	0.243	O	|	|	|	|	0.51	139.000	0.00	0.02	0.232	O	|	|	|	|	0.49
133.917	0.00	0.03	0.243	O	|	|	|	|	0.51	139.083	0.00	0.02	0.232	O	|	|	|	|	0.49
134.000	0.00	0.03	0.243	O	|	|	|	|	0.51	139.167	0.00	0.02	0.232	O	|	|	|	|	0.49
134.083	0.00	0.03	0.242	O	|	|	|	|	0.51	139.250	0.00	0.02	0.232	O	|	|	|	|	0.49
134.167	0.00	0.03	0.242	O	|	|	|	|	0.51	139.333	0.00	0.02	0.232	O	|	|	|	|	0.49
134.250	0.00	0.03	0.242	O	|	|	|	|	0.51	139.417	0.00	0.02	0.231	O	|	|	|	|	0.49
134.333	0.00	0.03	0.242	O	|	|	|	|	0.51	139.500	0.00	0.02	0.231	O	|	|	|	|	0.49
134.417	0.00	0.03	0.242	O	|	|	|	|	0.51	139.583	0.00	0.02	0.231	O	|	|	|	|	0.49
134.500	0.00	0.03	0.242	O	|	|	|	|	0.51	139.667	0.00	0.02	0.231	O	|	|	|	|	0.49
134.583	0.00	0.03	0.241	O	|	|	|	|	0.51	139.750	0.00	0.02	0.231	O	|	|	|	|	0.49
134.667	0.00	0.03	0.241	O	|	|	|	|	0.51	139.833	0.00	0.02	0.231	O	|	|	|	|	0.49
134.750	0.00	0.03	0.241	O	|	|	|	|	0.51	139.917	0.00	0.02	0.230	O	|	|	|	|	0.49
134.833	0.00	0.03	0.241	O	|	|	|	|	0.51	140.000	0.00	0.02	0.230	O	|	|	|	|	0.49
134.917	0.00	0.03	0.241	O	|	|	|	|	0.51	140.083	0.00	0.02	0.230	O	|	|	|	|	0.49
135.000	0.00	0.03	0.241	O	|	|	|	|	0.51	140.167	0.00	0.02	0.230	O	|	|	|	|	0.49
135.083	0.00	0.03	0.240	O	|	|	|	|	0.51	140.250	0.00	0.02	0.230	O	|	|	|	|	0.48
135.167	0.00	0.03	0.240	O	|	|	|	|	0.51	140.333	0.00	0.02	0.230	O	|	|	|	|	0.48
135.250	0.00	0.03	0.240	O	|	|	|	|	0.51	140.417	0.00	0.02	0.229	O	|	|	|	|	0.48
135.333	0.00	0.03	0.240	O	|	|	|	|	0.51	140.500	0.00	0.02	0.229	O	|	|	|	|	0.48
135.417	0.00	0.03	0.240	O	|	|	|	|	0.51	140.583	0.00	0.02	0.229	O	|	|	|	|	0.48
135.500	0.00	0.03	0.239	O	|	|	|	|	0.51	140.667	0.00	0.02	0.229	O	|	|	|	|	0.48
135.583	0.00	0.03	0.239	O	|	|	|	|	0.50	140.750	0.00	0.02	0.229	O	|	|	|	|	0.48
135.667	0.00	0.03	0.239	O	|	|	|	|	0.50	140.833	0.00	0.02	0.229	O	|	|	|	|	0.48
135.750	0.00	0.03	0.239	O	|	|	|	|	0.50	140.917	0.00	0.02	0.228	O	|	|	|	|	0.48
135.833	0.00	0.03	0.239	O	|	|	|	|	0.50	141.000	0.00	0.02	0.228	O	|	|	|	|	0.48
135.917	0.00	0.03	0.239	O	|	|	|	|	0.50	141.083	0.00	0.02	0.228	O	|	|	|	|	0.48
136.000	0.00	0.03	0.238	O	|	|	|	|	0.50	141.167	0.00	0.02	0.228	O	|	|	|	|	0.48
136.083	0.00	0.03	0.238	O	|	|	|	|	0.50	141.250	0.00	0.02	0.228	O	|	|	|	|	0.48
136.167	0.00	0.03	0.238	O	|	|	|	|	0.50	141.333	0.00	0.02	0.228	O	|	|	|	|	0.48
136.250	0.00	0.03	0.238	O	|	|	|	|	0.50	141.417	0.00	0.02	0.227	O	|	|	|	|	0.48
136.333	0.00	0.03	0.238	O	|	|	|	|	0.50	141.500	0.00	0.02	0.227	O	|	|	|	|	0.48
136.417	0.00	0.03	0.238	O	|	|	|	|	0.50	141.583	0.00	0.02	0.227	O	|	|	|	|	0.48
136.500	0.00	0.03	0.237	O	|	|	|	|	0.50	141.667	0.00	0.02	0.227	O	|	|	|	|	0.48
136.583	0.00	0.03	0.237	O	|	|	|	|	0.50	141.750	0.00	0.02	0.227	O	|	|	|	|	0.48
136.667	0.00	0.03	0.237	O	|	|	|	|	0.50	141.833	0.00	0.02	0.227	O	|	|	|	|	0.48
136.750	0.00	0.02	0.237	O	|	|	|	|	0.50	141.917	0.00	0.02	0.226	O	|	|	|	|	0.48
136.833	0.00	0.02	0.237	O	|	|	|	|	0.50	142.000	0.00	0.02	0.226	O	|	|	|	|	0.48
136.917	0.00	0.02	0.237	O	|	|	|	|	0.50	142.083	0.00	0.02	0.226	O	|	|	|	|	0.48
137.000	0.00	0.02	0.236	O	|	|	|	|	0.50	142.167	0.00	0.02	0.226	O	|	|	|	|	0.48
137.083	0.00	0.02	0.236	O	|	|	|	|	0.50	142.250	0.00	0.02	0.226	O	|	|	|	|	0.48
137.167	0.00	0.02	0.236	O	|	|	|	|	0.50	142.333	0.00	0.02	0.226	O	|	|	|	|	0.48
137.250	0.00	0.02	0.236	O	|	|	|	|	0.50	142.417	0.00	0.02	0.225	O	|	|	|	|	0.48
137.333	0.00	0.02	0.236	O	|	|	|	|	0.50	142.500	0.00	0.02	0.225	O	|	|	|	|	0.48
137.417	0.00	0.02	0.236	O	|	|	|	|	0.50	142.583	0.00	0.02	0.225	O	|	|	|	|	0.47
137.500	0.00	0.02	0.235	O	|	|	|	|	0.50	142.667	0.00	0.02	0.225	O	|	|	|	|	0.47
137.583	0.00	0.02	0.235	O	|	|	|	|	0.50	142.750	0.00	0.02	0.225	O	|	|	|	|	0.47
137.667	0.00	0.02	0.235	O	|	|	|	|	0.50	142.833	0.00	0.02	0.225	O	|	|	|	|	0.47
137.750	0.00	0.02	0.235	O	|	|	|	|	0.50	142.917	0.00	0.02	0.224	O	|	|	|	|	0.47
137.833	0.00	0.02	0.235	O	|	|	|	|	0.50	143.000	0.00	0.02	0.224	O	|	|	|	|	0.47
137.917	0.00	0.02	0.234	O	|	|	|	|	0.49	143.083	0.00	0.02	0.224	O	|	|	|	|	0.47
138.000	0.00	0.02	0.234	O	|	|	|	|	0.49	143.167	0.00	0.02	0.224	O	|	|	|	|	0.47
138.083	0.00	0.02	0.234	O	|	|	|	|	0.49	143.250	0.00	0.02	0.224	O	|	|	|	|	0.47
138.167	0.00	0.02	0.234	O	|	|	|	|	0.49	143.333	0.00	0.02	0.224	O	|	|	|	|	0.47
138.250	0.00	0.02	0.234	O	|	|	|	|	0.49	143.417	0.00	0.02	0.224	O	|	|	|	|	0.47
138.333	0.00	0.02	0.234	O	|	|	|	|	0.49	143.500	0.00	0.02	0.223	O	|	|	|	|	0.47
138.417	0.00	0.02	0.233	O	|	|	|	|	0.49	143.583	0.00	0.02	0.223	O	|	|	|	|	0.47

143.667	0.00	0.02	0.223	O	|	|	|	|	0.47	148.833	0.00	0.02	0.213	O	|	|	|	|	0.45
143.750	0.00	0.02	0.223	O	|	|	|	|	0.47	148.917	0.00	0.02	0.213	O	|	|	|	|	0.45
143.833	0.00	0.02	0.223	O	|	|	|	|	0.47	149.000	0.00	0.02	0.213	O	|	|	|	|	0.45
143.917	0.00	0.02	0.223	O	|	|	|	|	0.47	149.083	0.00	0.02	0.213	O	|	|	|	|	0.45
144.000	0.00	0.02	0.222	O	|	|	|	|	0.47	149.167	0.00	0.02	0.213	O	|	|	|	|	0.45
144.083	0.00	0.02	0.222	O	|	|	|	|	0.47	149.250	0.00	0.02	0.212	O	|	|	|	|	0.45
144.167	0.00	0.02	0.222	O	|	|	|	|	0.47	149.333	0.00	0.02	0.212	O	|	|	|	|	0.45
144.250	0.00	0.02	0.222	O	|	|	|	|	0.47	149.417	0.00	0.02	0.212	O	|	|	|	|	0.45
144.333	0.00	0.02	0.222	O	|	|	|	|	0.47	149.500	0.00	0.02	0.212	O	|	|	|	|	0.45
144.417	0.00	0.02	0.222	O	|	|	|	|	0.47	149.583	0.00	0.02	0.212	O	|	|	|	|	0.45
144.500	0.00	0.02	0.221	O	|	|	|	|	0.47	149.667	0.00	0.02	0.212	O	|	|	|	|	0.45
144.583	0.00	0.02	0.221	O	|	|	|	|	0.47	149.750	0.00	0.02	0.211	O	|	|	|	|	0.45
144.667	0.00	0.02	0.221	O	|	|	|	|	0.47	149.833	0.00	0.02	0.211	O	|	|	|	|	0.45
144.750	0.00	0.02	0.221	O	|	|	|	|	0.47	149.917	0.00	0.02	0.211	O	|	|	|	|	0.45
144.833	0.00	0.02	0.221	O	|	|	|	|	0.47	150.000	0.00	0.02	0.211	O	|	|	|	|	0.45
144.917	0.00	0.02	0.221	O	|	|	|	|	0.47	150.083	0.00	0.02	0.211	O	|	|	|	|	0.44
145.000	0.00	0.02	0.220	O	|	|	|	|	0.47	150.167	0.00	0.02	0.211	O	|	|	|	|	0.44
145.083	0.00	0.02	0.220	O	|	|	|	|	0.46	150.250	0.00	0.02	0.211	O	|	|	|	|	0.44
145.167	0.00	0.02	0.220	O	|	|	|	|	0.46	150.333	0.00	0.02	0.210	O	|	|	|	|	0.44
145.250	0.00	0.02	0.220	O	|	|	|	|	0.46	150.417	0.00	0.02	0.210	O	|	|	|	|	0.44
145.333	0.00	0.02	0.220	O	|	|	|	|	0.46	150.500	0.00	0.02	0.210	O	|	|	|	|	0.44
145.417	0.00	0.02	0.220	O	|	|	|	|	0.46	150.583	0.00	0.02	0.210	O	|	|	|	|	0.44
145.500	0.00	0.02	0.219	O	|	|	|	|	0.46	150.667	0.00	0.02	0.210	O	|	|	|	|	0.44
145.583	0.00	0.02	0.219	O	|	|	|	|	0.46	150.750	0.00	0.02	0.210	O	|	|	|	|	0.44
145.667	0.00	0.02	0.219	O	|	|	|	|	0.46	150.833	0.00	0.02	0.210	O	|	|	|	|	0.44
145.750	0.00	0.02	0.219	O	|	|	|	|	0.46	150.917	0.00	0.02	0.209	O	|	|	|	|	0.44
145.833	0.00	0.02	0.219	O	|	|	|	|	0.46	151.000	0.00	0.02	0.209	O	|	|	|	|	0.44
145.917	0.00	0.02	0.219	O	|	|	|	|	0.46	151.083	0.00	0.02	0.209	O	|	|	|	|	0.44
146.000	0.00	0.02	0.219	O	|	|	|	|	0.46	151.167	0.00	0.02	0.209	O	|	|	|	|	0.44
146.083	0.00	0.02	0.218	O	|	|	|	|	0.46	151.250	0.00	0.02	0.209	O	|	|	|	|	0.44
146.167	0.00	0.02	0.218	O	|	|	|	|	0.46	151.333	0.00	0.02	0.209	O	|	|	|	|	0.44
146.250	0.00	0.02	0.218	O	|	|	|	|	0.46	151.417	0.00	0.02	0.208	O	|	|	|	|	0.44
146.333	0.00	0.02	0.218	O	|	|	|	|	0.46	151.500	0.00	0.02	0.208	O	|	|	|	|	0.44
146.417	0.00	0.02	0.218	O	|	|	|	|	0.46	151.583	0.00	0.02	0.208	O	|	|	|	|	0.44
146.500	0.00	0.02	0.218	O	|	|	|	|	0.46	151.667	0.00	0.02	0.208	O	|	|	|	|	0.44
146.583	0.00	0.02	0.217	O	|	|	|	|	0.46	151.750	0.00	0.02	0.208	O	|	|	|	|	0.44
146.667	0.00	0.02	0.217	O	|	|	|	|	0.46	151.833	0.00	0.02	0.208	O	|	|	|	|	0.44
146.750	0.00	0.02	0.217	O	|	|	|	|	0.46	151.917	0.00	0.02	0.208	O	|	|	|	|	0.44
146.833	0.00	0.02	0.217	O	|	|	|	|	0.46	152.000	0.00	0.02	0.207	O	|	|	|	|	0.44
146.917	0.00	0.02	0.217	O	|	|	|	|	0.46	152.083	0.00	0.02	0.207	O	|	|	|	|	0.44
147.000	0.00	0.02	0.217	O	|	|	|	|	0.46	152.167	0.00	0.02	0.207	O	|	|	|	|	0.44
147.083	0.00	0.02	0.216	O	|	|	|	|	0.46	152.250	0.00	0.02	0.207	O	|	|	|	|	0.44
147.167	0.00	0.02	0.216	O	|	|	|	|	0.46	152.333	0.00	0.02	0.207	O	|	|	|	|	0.44
147.250	0.00	0.02	0.216	O	|	|	|	|	0.46	152.417	0.00	0.02	0.207	O	|	|	|	|	0.44
147.333	0.00	0.02	0.216	O	|	|	|	|	0.46	152.500	0.00	0.02	0.206	O	|	|	|	|	0.44
147.417	0.00	0.02	0.216	O	|	|	|	|	0.46	152.583	0.00	0.02	0.206	O	|	|	|	|	0.44
147.500	0.00	0.02	0.216	O	|	|	|	|	0.46	152.667	0.00	0.02	0.206	O	|	|	|	|	0.43
147.583	0.00	0.02	0.216	O	|	|	|	|	0.45	152.750	0.00	0.02	0.206	O	|	|	|	|	0.43
147.667	0.00	0.02	0.215	O	|	|	|	|	0.45	152.833	0.00	0.02	0.206	O	|	|	|	|	0.43
147.750	0.00	0.02	0.215	O	|	|	|	|	0.45	152.917	0.00	0.02	0.206	O	|	|	|	|	0.43
147.833	0.00	0.02	0.215	O	|	|	|	|	0.45	153.000	0.00	0.02	0.206	O	|	|	|	|	0.43
147.917	0.00	0.02	0.215	O	|	|	|	|	0.45	153.083	0.00	0.02	0.205	O	|	|	|	|	0.43
148.000	0.00	0.02	0.215	O	|	|	|	|	0.45	153.167	0.00	0.02	0.205	O	|	|	|	|	0.43
148.083	0.00	0.02	0.215	O	|	|	|	|	0.45	153.250	0.00	0.02	0.205	O	|	|	|	|	0.43
148.167	0.00	0.02	0.214	O	|	|	|	|	0.45	153.333	0.00	0.02	0.205	O	|	|	|	|	0.43
148.250	0.00	0.02	0.214	O	|	|	|	|	0.45	153.417	0.00	0.02	0.205	O	|	|	|	|	0.43
148.333	0.00	0.02	0.214	O	|	|	|	|	0.45	153.500	0.00	0.02	0.205	O	|	|	|	|	0.43
148.417	0.00	0.02	0.214	O	|	|	|	|	0.45	153.583	0.00	0.02	0.205	O	|	|	|	|	0.43
148.500	0.00	0.02	0.214	O	|	|	|	|	0.45	153.667	0.00	0.02	0.204	O	|	|	|	|	0.43
148.583	0.00	0.02	0.214	O	|	|	|	|	0.45	153.750	0.00	0.02	0.204	O	|	|	|	|	0.43
148.667	0.00	0.02	0.214	O	|	|	|	|	0.45	153.833	0.00	0.02	0.204	O	|	|	|	|	0.43
148.750	0.00	0.02	0.213	O	|	|	|	|	0.45	153.917	0.00	0.02	0.204	O	|	|	|	|	0.43

154.000	0.00	0.02	0.204	O	|	|	|	|	0.43	159.167	0.00	0.02	0.195	O	|	|	|	|	0.41
154.083	0.00	0.02	0.204	O	|	|	|	|	0.43	159.250	0.00	0.02	0.195	O	|	|	|	|	0.41
154.167	0.00	0.02	0.204	O	|	|	|	|	0.43	159.333	0.00	0.02	0.195	O	|	|	|	|	0.41
154.250	0.00	0.02	0.203	O	|	|	|	|	0.43	159.417	0.00	0.02	0.194	O	|	|	|	|	0.41
154.333	0.00	0.02	0.203	O	|	|	|	|	0.43	159.500	0.00	0.02	0.194	O	|	|	|	|	0.41
154.417	0.00	0.02	0.203	O	|	|	|	|	0.43	159.583	0.00	0.02	0.194	O	|	|	|	|	0.41
154.500	0.00	0.02	0.203	O	|	|	|	|	0.43	159.667	0.00	0.02	0.194	O	|	|	|	|	0.41
154.583	0.00	0.02	0.203	O	|	|	|	|	0.43	159.750	0.00	0.02	0.194	O	|	|	|	|	0.41
154.667	0.00	0.02	0.203	O	|	|	|	|	0.43	159.833	0.00	0.02	0.194	O	|	|	|	|	0.41
154.750	0.00	0.02	0.202	O	|	|	|	|	0.43	159.917	0.00	0.02	0.194	O	|	|	|	|	0.41
154.833	0.00	0.02	0.202	O	|	|	|	|	0.43	160.000	0.00	0.02	0.193	O	|	|	|	|	0.41
154.917	0.00	0.02	0.202	O	|	|	|	|	0.43	160.083	0.00	0.02	0.193	O	|	|	|	|	0.41
155.000	0.00	0.02	0.202	O	|	|	|	|	0.43	160.167	0.00	0.02	0.193	O	|	|	|	|	0.41
155.083	0.00	0.02	0.202	O	|	|	|	|	0.43	160.250	0.00	0.02	0.193	O	|	|	|	|	0.41
155.167	0.00	0.02	0.202	O	|	|	|	|	0.43	160.333	0.00	0.02	0.193	O	|	|	|	|	0.41
155.250	0.00	0.02	0.202	O	|	|	|	|	0.43	160.417	0.00	0.02	0.193	O	|	|	|	|	0.41
155.333	0.00	0.02	0.201	O	|	|	|	|	0.42	160.500	0.00	0.02	0.193	O	|	|	|	|	0.41
155.417	0.00	0.02	0.201	O	|	|	|	|	0.42	160.583	0.00	0.02	0.192	O	|	|	|	|	0.41
155.500	0.00	0.02	0.201	O	|	|	|	|	0.42	160.667	0.00	0.02	0.192	O	|	|	|	|	0.41
155.583	0.00	0.02	0.201	O	|	|	|	|	0.42	160.750	0.00	0.02	0.192	O	|	|	|	|	0.41
155.667	0.00	0.02	0.201	O	|	|	|	|	0.42	160.833	0.00	0.02	0.192	O	|	|	|	|	0.41
155.750	0.00	0.02	0.201	O	|	|	|	|	0.42	160.917	0.00	0.02	0.192	O	|	|	|	|	0.40
155.833	0.00	0.02	0.201	O	|	|	|	|	0.42	161.000	0.00	0.02	0.192	O	|	|	|	|	0.40
155.917	0.00	0.02	0.200	O	|	|	|	|	0.42	161.083	0.00	0.02	0.192	O	|	|	|	|	0.40
156.000	0.00	0.02	0.200	O	|	|	|	|	0.42	161.167	0.00	0.02	0.191	O	|	|	|	|	0.40
156.083	0.00	0.02	0.200	O	|	|	|	|	0.42	161.250	0.00	0.02	0.191	O	|	|	|	|	0.40
156.167	0.00	0.02	0.200	O	|	|	|	|	0.42	161.333	0.00	0.02	0.191	O	|	|	|	|	0.40
156.250	0.00	0.02	0.200	O	|	|	|	|	0.42	161.417	0.00	0.02	0.191	O	|	|	|	|	0.40
156.333	0.00	0.02	0.200	O	|	|	|	|	0.42	161.500	0.00	0.02	0.191	O	|	|	|	|	0.40
156.417	0.00	0.02	0.200	O	|	|	|	|	0.42	161.583	0.00	0.02	0.191	O	|	|	|	|	0.40
156.500	0.00	0.02	0.199	O	|	|	|	|	0.42	161.667	0.00	0.02	0.191	O	|	|	|	|	0.40
156.583	0.00	0.02	0.199	O	|	|	|	|	0.42	161.750	0.00	0.02	0.190	O	|	|	|	|	0.40
156.667	0.00	0.02	0.199	O	|	|	|	|	0.42	161.833	0.00	0.02	0.190	O	|	|	|	|	0.40
156.750	0.00	0.02	0.199	O	|	|	|	|	0.42	161.917	0.00	0.02	0.190	O	|	|	|	|	0.40
156.833	0.00	0.02	0.199	O	|	|	|	|	0.42	162.000	0.00	0.02	0.190	O	|	|	|	|	0.40
156.917	0.00	0.02	0.199	O	|	|	|	|	0.42	162.083	0.00	0.02	0.190	O	|	|	|	|	0.40
157.000	0.00	0.02	0.199	O	|	|	|	|	0.42	162.167	0.00	0.02	0.190	O	|	|	|	|	0.40
157.083	0.00	0.02	0.198	O	|	|	|	|	0.42	162.250	0.00	0.02	0.190	O	|	|	|	|	0.40
157.167	0.00	0.02	0.198	O	|	|	|	|	0.42	162.333	0.00	0.02	0.190	O	|	|	|	|	0.40
157.250	0.00	0.02	0.198	O	|	|	|	|	0.42	162.417	0.00	0.02	0.189	O	|	|	|	|	0.40
157.333	0.00	0.02	0.198	O	|	|	|	|	0.42	162.500	0.00	0.02	0.189	O	|	|	|	|	0.40
157.417	0.00	0.02	0.198	O	|	|	|	|	0.42	162.583	0.00	0.02	0.189	O	|	|	|	|	0.40
157.500	0.00	0.02	0.198	O	|	|	|	|	0.42	162.667	0.00	0.02	0.189	O	|	|	|	|	0.40
157.583	0.00	0.02	0.198	O	|	|	|	|	0.42	162.750	0.00	0.02	0.189	O	|	|	|	|	0.40
157.667	0.00	0.02	0.197	O	|	|	|	|	0.42	162.833	0.00	0.02	0.189	O	|	|	|	|	0.40
157.750	0.00	0.02	0.197	O	|	|	|	|	0.42	162.917	0.00	0.02	0.189	O	|	|	|	|	0.40
157.833	0.00	0.02	0.197	O	|	|	|	|	0.42	163.000	0.00	0.02	0.188	O	|	|	|	|	0.40
157.917	0.00	0.02	0.197	O	|	|	|	|	0.42	163.083	0.00	0.02	0.188	O	|	|	|	|	0.40
158.000	0.00	0.02	0.197	O	|	|	|	|	0.42	163.167	0.00	0.02	0.188	O	|	|	|	|	0.40
158.083	0.00	0.02	0.197	O	|	|	|	|	0.41	163.250	0.00	0.02	0.188	O	|	|	|	|	0.40
158.167	0.00	0.02	0.197	O	|	|	|	|	0.41	163.333	0.00	0.02	0.188	O	|	|	|	|	0.40
158.250	0.00	0.02	0.196	O	|	|	|	|	0.41	163.417	0.00	0.02	0.188	O	|	|	|	|	0.40
158.333	0.00	0.02	0.196	O	|	|	|	|	0.41	163.500	0.00	0.02	0.188	O	|	|	|	|	0.40
158.417	0.00	0.02	0.196	O	|	|	|	|	0.41	163.583	0.00	0.02	0.187	O	|	|	|	|	0.40
158.500	0.00	0.02	0.196	O	|	|	|	|	0.41	163.667	0.00	0.02	0.187	O	|	|	|	|	0.40
158.583	0.00	0.02	0.196	O	|	|	|	|	0.41	163.750	0.00	0.02	0.187	O	|	|	|	|	0.39
158.667	0.00	0.02	0.196	O	|	|	|	|	0.41	163.833	0.00	0.02	0.187	O	|	|	|	|	0.39
158.750	0.00	0.02	0.196	O	|	|	|	|	0.41	163.917	0.00	0.02	0.187	O	|	|	|	|	0.39
158.833	0.00	0.02	0.195	O	|	|	|	|	0.41	164.000	0.00	0.02	0.187	O	|	|	|	|	0.39
158.917	0.00	0.02	0.195	O	|	|	|	|	0.41	164.083	0.00	0.02	0.187	O	|	|	|	|	0.39
159.000	0.00	0.02	0.195	O	|	|	|	|	0.41	164.167	0.00	0.02	0.187	O	|	|	|	|	0.39
159.083	0.00	0.02	0.195	O	|	|	|	|	0.41	164.250	0.00	0.02	0.186	O	|	|	|	|	0.39

164.333	0.00	0.02	0.186	O	|	|	|	|	0.39	169.500	0.00	0.02	0.178	O	|	|	|	|	0.38
164.417	0.00	0.02	0.186	O	|	|	|	|	0.39	169.583	0.00	0.02	0.178	O	|	|	|	|	0.38
164.500	0.00	0.02	0.186	O	|	|	|	|	0.39	169.667	0.00	0.02	0.178	O	|	|	|	|	0.38
164.583	0.00	0.02	0.186	O	|	|	|	|	0.39	169.750	0.00	0.02	0.178	O	|	|	|	|	0.37
164.667	0.00	0.02	0.186	O	|	|	|	|	0.39	169.833	0.00	0.02	0.178	O	|	|	|	|	0.37
164.750	0.00	0.02	0.186	O	|	|	|	|	0.39	169.917	0.00	0.02	0.177	O	|	|	|	|	0.37
164.833	0.00	0.02	0.185	O	|	|	|	|	0.39	170.000	0.00	0.02	0.177	O	|	|	|	|	0.37
164.917	0.00	0.02	0.185	O	|	|	|	|	0.39	170.083	0.00	0.02	0.177	O	|	|	|	|	0.37
165.000	0.00	0.02	0.185	O	|	|	|	|	0.39	170.167	0.00	0.02	0.177	O	|	|	|	|	0.37
165.083	0.00	0.02	0.185	O	|	|	|	|	0.39	170.250	0.00	0.02	0.177	O	|	|	|	|	0.37
165.167	0.00	0.02	0.185	O	|	|	|	|	0.39	170.333	0.00	0.02	0.177	O	|	|	|	|	0.37
165.250	0.00	0.02	0.185	O	|	|	|	|	0.39	170.417	0.00	0.02	0.177	O	|	|	|	|	0.37
165.333	0.00	0.02	0.185	O	|	|	|	|	0.39	170.500	0.00	0.02	0.176	O	|	|	|	|	0.37
165.417	0.00	0.02	0.184	O	|	|	|	|	0.39	170.583	0.00	0.02	0.176	O	|	|	|	|	0.37
165.500	0.00	0.02	0.184	O	|	|	|	|	0.39	170.667	0.00	0.02	0.176	O	|	|	|	|	0.37
165.583	0.00	0.02	0.184	O	|	|	|	|	0.39	170.750	0.00	0.02	0.176	O	|	|	|	|	0.37
165.667	0.00	0.02	0.184	O	|	|	|	|	0.39	170.833	0.00	0.02	0.176	O	|	|	|	|	0.37
165.750	0.00	0.02	0.184	O	|	|	|	|	0.39	170.917	0.00	0.02	0.176	O	|	|	|	|	0.37
165.833	0.00	0.02	0.184	O	|	|	|	|	0.39	171.000	0.00	0.02	0.176	O	|	|	|	|	0.37
165.917	0.00	0.02	0.184	O	|	|	|	|	0.39	171.083	0.00	0.02	0.176	O	|	|	|	|	0.37
166.000	0.00	0.02	0.184	O	|	|	|	|	0.39	171.167	0.00	0.02	0.175	O	|	|	|	|	0.37
166.083	0.00	0.02	0.183	O	|	|	|	|	0.39	171.250	0.00	0.02	0.175	O	|	|	|	|	0.37
166.167	0.00	0.02	0.183	O	|	|	|	|	0.39	171.333	0.00	0.02	0.175	O	|	|	|	|	0.37
166.250	0.00	0.02	0.183	O	|	|	|	|	0.39	171.417	0.00	0.02	0.175	O	|	|	|	|	0.37
166.333	0.00	0.02	0.183	O	|	|	|	|	0.39	171.500	0.00	0.02	0.175	O	|	|	|	|	0.37
166.417	0.00	0.02	0.183	O	|	|	|	|	0.39	171.583	0.00	0.02	0.175	O	|	|	|	|	0.37
166.500	0.00	0.02	0.183	O	|	|	|	|	0.39	171.667	0.00	0.02	0.175	O	|	|	|	|	0.37
166.583	0.00	0.02	0.183	O	|	|	|	|	0.39	171.750	0.00	0.02	0.175	O	|	|	|	|	0.37
166.667	0.00	0.02	0.182	O	|	|	|	|	0.39	171.833	0.00	0.02	0.174	O	|	|	|	|	0.37
166.750	0.00	0.02	0.182	O	|	|	|	|	0.38	171.917	0.00	0.02	0.174	O	|	|	|	|	0.37
166.833	0.00	0.02	0.182	O	|	|	|	|	0.38	172.000	0.00	0.02	0.174	O	|	|	|	|	0.37
166.917	0.00	0.02	0.182	O	|	|	|	|	0.38	172.083	0.00	0.02	0.174	O	|	|	|	|	0.37
167.000	0.00	0.02	0.182	O	|	|	|	|	0.38	172.167	0.00	0.02	0.174	O	|	|	|	|	0.37
167.083	0.00	0.02	0.182	O	|	|	|	|	0.38	172.250	0.00	0.02	0.174	O	|	|	|	|	0.37
167.167	0.00	0.02	0.182	O	|	|	|	|	0.38	172.333	0.00	0.02	0.174	O	|	|	|	|	0.37
167.250	0.00	0.02	0.182	O	|	|	|	|	0.38	172.417	0.00	0.02	0.174	O	|	|	|	|	0.37
167.333	0.00	0.02	0.181	O	|	|	|	|	0.38	172.500	0.00	0.02	0.173	O	|	|	|	|	0.37
167.417	0.00	0.02	0.181	O	|	|	|	|	0.38	172.583	0.00	0.02	0.173	O	|	|	|	|	0.37
167.500	0.00	0.02	0.181	O	|	|	|	|	0.38	172.667	0.00	0.02	0.173	O	|	|	|	|	0.37
167.583	0.00	0.02	0.181	O	|	|	|	|	0.38	172.750	0.00	0.02	0.173	O	|	|	|	|	0.37
167.667	0.00	0.02	0.181	O	|	|	|	|	0.38	172.833	0.00	0.02	0.173	O	|	|	|	|	0.36
167.750	0.00	0.02	0.181	O	|	|	|	|	0.38	172.917	0.00	0.02	0.173	O	|	|	|	|	0.36
167.833	0.00	0.02	0.181	O	|	|	|	|	0.38	173.000	0.00	0.02	0.173	O	|	|	|	|	0.36
167.917	0.00	0.02	0.181	O	|	|	|	|	0.38	173.083	0.00	0.02	0.173	O	|	|	|	|	0.36
168.000	0.00	0.02	0.180	O	|	|	|	|	0.38	173.167	0.00	0.02	0.172	O	|	|	|	|	0.36
168.083	0.00	0.02	0.180	O	|	|	|	|	0.38	173.250	0.00	0.02	0.172	O	|	|	|	|	0.36
168.167	0.00	0.02	0.180	O	|	|	|	|	0.38	173.333	0.00	0.02	0.172	O	|	|	|	|	0.36
168.250	0.00	0.02	0.180	O	|	|	|	|	0.38	173.417	0.00	0.02	0.172	O	|	|	|	|	0.36
168.333	0.00	0.02	0.180	O	|	|	|	|	0.38	173.500	0.00	0.02	0.172	O	|	|	|	|	0.36
168.417	0.00	0.02	0.180	O	|	|	|	|	0.38	173.583	0.00	0.02	0.172	O	|	|	|	|	0.36
168.500	0.00	0.02	0.180	O	|	|	|	|	0.38	173.667	0.00	0.02	0.172	O	|	|	|	|	0.36
168.583	0.00	0.02	0.179	O	|	|	|	|	0.38	173.750	0.00	0.02	0.172	O	|	|	|	|	0.36
168.667	0.00	0.02	0.179	O	|	|	|	|	0.38	173.833	0.00	0.02	0.171	O	|	|	|	|	0.36
168.750	0.00	0.02	0.179	O	|	|	|	|	0.38	173.917	0.00	0.02	0.171	O	|	|	|	|	0.36
168.833	0.00	0.02	0.179	O	|	|	|	|	0.38	174.000	0.00	0.02	0.171	O	|	|	|	|	0.36
168.917	0.00	0.02	0.179	O	|	|	|	|	0.38	174.083	0.00	0.02	0.171	O	|	|	|	|	0.36
169.000	0.00	0.02	0.179	O	|	|	|	|	0.38	174.167	0.00	0.02	0.171	O	|	|	|	|	0.36
169.083	0.00	0.02	0.179	O	|	|	|	|	0.38	174.250	0.00	0.02	0.171	O	|	|	|	|	0.36
169.167	0.00	0.02	0.179	O	|	|	|	|	0.38	174.333	0.00	0.02	0.171	O	|	|	|	|	0.36
169.250	0.00	0.02	0.178	O	|	|	|	|	0.38	174.417	0.00	0.02	0.171	O	|	|	|	|	0.36
169.333	0.00	0.02	0.178	O	|	|	|	|	0.38	174.500	0.00	0.02	0.170	O	|	|	|	|	0.36
169.417	0.00	0.02	0.178	O	|	|	|	|	0.38	174.583	0.00	0.02	0.170	O	|	|	|	|	0.36

174.667	0.00	0.02	0.170	O	|	|	|	|	0.36	179.833	0.00	0.02	0.163	O	|	|	|	|	0.34
174.750	0.00	0.02	0.170	O	|	|	|	|	0.36	179.917	0.00	0.02	0.163	O	|	|	|	|	0.34
174.833	0.00	0.02	0.170	O	|	|	|	|	0.36	180.000	0.00	0.02	0.162	O	|	|	|	|	0.34
174.917	0.00	0.02	0.170	O	|	|	|	|	0.36	180.083	0.00	0.02	0.162	O	|	|	|	|	0.34
175.000	0.00	0.02	0.170	O	|	|	|	|	0.36	180.167	0.00	0.02	0.162	O	|	|	|	|	0.34
175.083	0.00	0.02	0.170	O	|	|	|	|	0.36	180.250	0.00	0.02	0.162	O	|	|	|	|	0.34
175.167	0.00	0.02	0.169	O	|	|	|	|	0.36	180.333	0.00	0.02	0.162	O	|	|	|	|	0.34
175.250	0.00	0.02	0.169	O	|	|	|	|	0.36	180.417	0.00	0.02	0.162	O	|	|	|	|	0.34
175.333	0.00	0.02	0.169	O	|	|	|	|	0.36	180.500	0.00	0.02	0.162	O	|	|	|	|	0.34
175.417	0.00	0.02	0.169	O	|	|	|	|	0.36	180.583	0.00	0.02	0.162	O	|	|	|	|	0.34
175.500	0.00	0.02	0.169	O	|	|	|	|	0.36	180.667	0.00	0.02	0.162	O	|	|	|	|	0.34
175.583	0.00	0.02	0.169	O	|	|	|	|	0.36	180.750	0.00	0.02	0.161	O	|	|	|	|	0.34
175.667	0.00	0.02	0.169	O	|	|	|	|	0.36	180.833	0.00	0.02	0.161	O	|	|	|	|	0.34
175.750	0.00	0.02	0.169	O	|	|	|	|	0.36	180.917	0.00	0.02	0.161	O	|	|	|	|	0.34
175.833	0.00	0.02	0.168	O	|	|	|	|	0.36	181.000	0.00	0.02	0.161	O	|	|	|	|	0.34
175.917	0.00	0.02	0.168	O	|	|	|	|	0.36	181.083	0.00	0.02	0.161	O	|	|	|	|	0.34
176.000	0.00	0.02	0.168	O	|	|	|	|	0.35	181.167	0.00	0.02	0.161	O	|	|	|	|	0.34
176.083	0.00	0.02	0.168	O	|	|	|	|	0.35	181.250	0.00	0.02	0.161	O	|	|	|	|	0.34
176.167	0.00	0.02	0.168	O	|	|	|	|	0.35	181.333	0.00	0.02	0.161	O	|	|	|	|	0.34
176.250	0.00	0.02	0.168	O	|	|	|	|	0.35	181.417	0.00	0.02	0.160	O	|	|	|	|	0.34
176.333	0.00	0.02	0.168	O	|	|	|	|	0.35	181.500	0.00	0.02	0.160	O	|	|	|	|	0.34
176.417	0.00	0.02	0.168	O	|	|	|	|	0.35	181.583	0.00	0.02	0.160	O	|	|	|	|	0.34
176.500	0.00	0.02	0.168	O	|	|	|	|	0.35	181.667	0.00	0.02	0.160	O	|	|	|	|	0.34
176.583	0.00	0.02	0.167	O	|	|	|	|	0.35	181.750	0.00	0.02	0.160	O	|	|	|	|	0.34
176.667	0.00	0.02	0.167	O	|	|	|	|	0.35	181.833	0.00	0.02	0.160	O	|	|	|	|	0.34
176.750	0.00	0.02	0.167	O	|	|	|	|	0.35	181.917	0.00	0.02	0.160	O	|	|	|	|	0.34
176.833	0.00	0.02	0.167	O	|	|	|	|	0.35	182.000	0.00	0.02	0.160	O	|	|	|	|	0.34
176.917	0.00	0.02	0.167	O	|	|	|	|	0.35	182.083	0.00	0.02	0.160	O	|	|	|	|	0.34
177.000	0.00	0.02	0.167	O	|	|	|	|	0.35	182.167	0.00	0.02	0.159	O	|	|	|	|	0.34
177.083	0.00	0.02	0.167	O	|	|	|	|	0.35	182.250	0.00	0.02	0.159	O	|	|	|	|	0.34
177.167	0.00	0.02	0.167	O	|	|	|	|	0.35	182.333	0.00	0.02	0.159	O	|	|	|	|	0.34
177.250	0.00	0.02	0.166	O	|	|	|	|	0.35	182.417	0.00	0.02	0.159	O	|	|	|	|	0.34
177.333	0.00	0.02	0.166	O	|	|	|	|	0.35	182.500	0.00	0.02	0.159	O	|	|	|	|	0.34
177.417	0.00	0.02	0.166	O	|	|	|	|	0.35	182.583	0.00	0.02	0.159	O	|	|	|	|	0.34
177.500	0.00	0.02	0.166	O	|	|	|	|	0.35	182.667	0.00	0.02	0.159	O	|	|	|	|	0.33
177.583	0.00	0.02	0.166	O	|	|	|	|	0.35	182.750	0.00	0.02	0.159	O	|	|	|	|	0.33
177.667	0.00	0.02	0.166	O	|	|	|	|	0.35	182.833	0.00	0.02	0.159	O	|	|	|	|	0.33
177.750	0.00	0.02	0.166	O	|	|	|	|	0.35	182.917	0.00	0.02	0.158	O	|	|	|	|	0.33
177.833	0.00	0.02	0.166	O	|	|	|	|	0.35	183.000	0.00	0.02	0.158	O	|	|	|	|	0.33
177.917	0.00	0.02	0.165	O	|	|	|	|	0.35	183.083	0.00	0.02	0.158	O	|	|	|	|	0.33
178.000	0.00	0.02	0.165	O	|	|	|	|	0.35	183.167	0.00	0.02	0.158	O	|	|	|	|	0.33
178.083	0.00	0.02	0.165	O	|	|	|	|	0.35	183.250	0.00	0.02	0.158	O	|	|	|	|	0.33
178.167	0.00	0.02	0.165	O	|	|	|	|	0.35	183.333	0.00	0.02	0.158	O	|	|	|	|	0.33
178.250	0.00	0.02	0.165	O	|	|	|	|	0.35	183.417	0.00	0.02	0.158	O	|	|	|	|	0.33
178.333	0.00	0.02	0.165	O	|	|	|	|	0.35	183.500	0.00	0.02	0.158	O	|	|	|	|	0.33
178.417	0.00	0.02	0.165	O	|	|	|	|	0.35	183.583	0.00	0.02	0.157	O	|	|	|	|	0.33
178.500	0.00	0.02	0.165	O	|	|	|	|	0.35	183.667	0.00	0.02	0.157	O	|	|	|	|	0.33
178.583	0.00	0.02	0.164	O	|	|	|	|	0.35	183.750	0.00	0.02	0.157	O	|	|	|	|	0.33
178.667	0.00	0.02	0.164	O	|	|	|	|	0.35	183.833	0.00	0.02	0.157	O	|	|	|	|	0.33
178.750	0.00	0.02	0.164	O	|	|	|	|	0.35	183.917	0.00	0.02	0.157	O	|	|	|	|	0.33
178.833	0.00	0.02	0.164	O	|	|	|	|	0.35	184.000	0.00	0.02	0.157	O	|	|	|	|	0.33
178.917	0.00	0.02	0.164	O	|	|	|	|	0.35	184.083	0.00	0.02	0.157	O	|	|	|	|	0.33
179.000	0.00	0.02	0.164	O	|	|	|	|	0.35	184.167	0.00	0.02	0.157	O	|	|	|	|	0.33
179.083	0.00	0.02	0.164	O	|	|	|	|	0.35	184.250	0.00	0.02	0.157	O	|	|	|	|	0.33
179.167	0.00	0.02	0.164	O	|	|	|	|	0.35	184.333	0.00	0.02	0.156	O	|	|	|	|	0.33
179.250	0.00	0.02	0.164	O	|	|	|	|	0.35	184.417	0.00	0.02	0.156	O	|	|	|	|	0.33
179.333	0.00	0.02	0.163	O	|	|	|	|	0.34	184.500	0.00	0.02	0.156	O	|	|	|	|	0.33
179.417	0.00	0.02	0.163	O	|	|	|	|	0.34	184.583	0.00	0.02	0.156	O	|	|	|	|	0.33
179.500	0.00	0.02	0.163	O	|	|	|	|	0.34	184.667	0.00	0.02	0.156	O	|	|	|	|	0.33
179.583	0.00	0.02	0.163	O	|	|	|	|	0.34	184.750	0.00	0.02	0.156	O	|	|	|	|	0.33
179.667	0.00	0.02	0.163	O	|	|	|	|	0.34	184.833	0.00	0.02	0.156	O	|	|	|	|	0.33
179.750	0.00	0.02	0.163	O	|	|	|	|	0.34	184.917	0.00	0.02	0.156	O	|	|	|	|	0.33

185.000	0.00	0.02	0.156	O	|	|	|	|	0.33	190.167	0.00	0.02	0.149	O	|	|	|	|	0.31
185.083	0.00	0.02	0.155	O	|	|	|	|	0.33	190.250	0.00	0.02	0.149	O	|	|	|	|	0.31
185.167	0.00	0.02	0.155	O	|	|	|	|	0.33	190.333	0.00	0.02	0.148	O	|	|	|	|	0.31
185.250	0.00	0.02	0.155	O	|	|	|	|	0.33	190.417	0.00	0.02	0.148	O	|	|	|	|	0.31
185.333	0.00	0.02	0.155	O	|	|	|	|	0.33	190.500	0.00	0.02	0.148	O	|	|	|	|	0.31
185.417	0.00	0.02	0.155	O	|	|	|	|	0.33	190.583	0.00	0.02	0.148	O	|	|	|	|	0.31
185.500	0.00	0.02	0.155	O	|	|	|	|	0.33	190.667	0.00	0.02	0.148	O	|	|	|	|	0.31
185.583	0.00	0.02	0.155	O	|	|	|	|	0.33	190.750	0.00	0.02	0.148	O	|	|	|	|	0.31
185.667	0.00	0.02	0.155	O	|	|	|	|	0.33	190.833	0.00	0.02	0.148	O	|	|	|	|	0.31
185.750	0.00	0.02	0.155	O	|	|	|	|	0.33	190.917	0.00	0.02	0.148	O	|	|	|	|	0.31
185.833	0.00	0.02	0.154	O	|	|	|	|	0.33	191.000	0.00	0.02	0.148	O	|	|	|	|	0.31
185.917	0.00	0.02	0.154	O	|	|	|	|	0.33	191.083	0.00	0.02	0.148	O	|	|	|	|	0.31
186.000	0.00	0.02	0.154	O	|	|	|	|	0.33	191.167	0.00	0.02	0.147	O	|	|	|	|	0.31
186.083	0.00	0.02	0.154	O	|	|	|	|	0.33	191.250	0.00	0.02	0.147	O	|	|	|	|	0.31
186.167	0.00	0.02	0.154	O	|	|	|	|	0.32	191.333	0.00	0.02	0.147	O	|	|	|	|	0.31
186.250	0.00	0.02	0.154	O	|	|	|	|	0.32	191.417	0.00	0.02	0.147	O	|	|	|	|	0.31
186.333	0.00	0.02	0.154	O	|	|	|	|	0.32	191.500	0.00	0.02	0.147	O	|	|	|	|	0.31
186.417	0.00	0.02	0.154	O	|	|	|	|	0.32	191.583	0.00	0.02	0.147	O	|	|	|	|	0.31
186.500	0.00	0.02	0.154	O	|	|	|	|	0.32	191.667	0.00	0.02	0.147	O	|	|	|	|	0.31
186.583	0.00	0.02	0.153	O	|	|	|	|	0.32	191.750	0.00	0.02	0.147	O	|	|	|	|	0.31
186.667	0.00	0.02	0.153	O	|	|	|	|	0.32	191.833	0.00	0.02	0.147	O	|	|	|	|	0.31
186.750	0.00	0.02	0.153	O	|	|	|	|	0.32	191.917	0.00	0.02	0.146	O	|	|	|	|	0.31
186.833	0.00	0.02	0.153	O	|	|	|	|	0.32	192.000	0.00	0.02	0.146	O	|	|	|	|	0.31
186.917	0.00	0.02	0.153	O	|	|	|	|	0.32	192.083	0.00	0.02	0.146	O	|	|	|	|	0.31
187.000	0.00	0.02	0.153	O	|	|	|	|	0.32	192.167	0.00	0.02	0.146	O	|	|	|	|	0.31
187.083	0.00	0.02	0.153	O	|	|	|	|	0.32	192.250	0.00	0.02	0.146	O	|	|	|	|	0.31
187.167	0.00	0.02	0.153	O	|	|	|	|	0.32	192.333	0.00	0.02	0.146	O	|	|	|	|	0.31
187.250	0.00	0.02	0.153	O	|	|	|	|	0.32	192.417	0.00	0.02	0.146	O	|	|	|	|	0.31
187.333	0.00	0.02	0.152	O	|	|	|	|	0.32	192.500	0.00	0.02	0.146	O	|	|	|	|	0.31
187.417	0.00	0.02	0.152	O	|	|	|	|	0.32	192.583	0.00	0.02	0.146	O	|	|	|	|	0.31
187.500	0.00	0.02	0.152	O	|	|	|	|	0.32	192.667	0.00	0.02	0.145	O	|	|	|	|	0.31
187.583	0.00	0.02	0.152	O	|	|	|	|	0.32	192.750	0.00	0.02	0.145	O	|	|	|	|	0.31
187.667	0.00	0.02	0.152	O	|	|	|	|	0.32	192.833	0.00	0.02	0.145	O	|	|	|	|	0.31
187.750	0.00	0.02	0.152	O	|	|	|	|	0.32	192.917	0.00	0.02	0.145	O	|	|	|	|	0.31
187.833	0.00	0.02	0.152	O	|	|	|	|	0.32	193.000	0.00	0.02	0.145	O	|	|	|	|	0.31
187.917	0.00	0.02	0.152	O	|	|	|	|	0.32	193.083	0.00	0.02	0.145	O	|	|	|	|	0.31
188.000	0.00	0.02	0.152	O	|	|	|	|	0.32	193.167	0.00	0.02	0.145	O	|	|	|	|	0.31
188.083	0.00	0.02	0.151	O	|	|	|	|	0.32	193.250	0.00	0.02	0.145	O	|	|	|	|	0.31
188.167	0.00	0.02	0.151	O	|	|	|	|	0.32	193.333	0.00	0.02	0.145	O	|	|	|	|	0.31
188.250	0.00	0.02	0.151	O	|	|	|	|	0.32	193.417	0.00	0.02	0.145	O	|	|	|	|	0.30
188.333	0.00	0.02	0.151	O	|	|	|	|	0.32	193.500	0.00	0.02	0.144	O	|	|	|	|	0.30
188.417	0.00	0.02	0.151	O	|	|	|	|	0.32	193.583	0.00	0.02	0.144	O	|	|	|	|	0.30
188.500	0.00	0.02	0.151	O	|	|	|	|	0.32	193.667	0.00	0.02	0.144	O	|	|	|	|	0.30
188.583	0.00	0.02	0.151	O	|	|	|	|	0.32	193.750	0.00	0.02	0.144	O	|	|	|	|	0.30
188.667	0.00	0.02	0.151	O	|	|	|	|	0.32	193.833	0.00	0.02	0.144	O	|	|	|	|	0.30
188.750	0.00	0.02	0.151	O	|	|	|	|	0.32	193.917	0.00	0.02	0.144	O	|	|	|	|	0.30
188.833	0.00	0.02	0.150	O	|	|	|	|	0.32	194.000	0.00	0.02	0.144	O	|	|	|	|	0.30
188.917	0.00	0.02	0.150	O	|	|	|	|	0.32	194.083	0.00	0.02	0.144	O	|	|	|	|	0.30
189.000	0.00	0.02	0.150	O	|	|	|	|	0.32	194.167	0.00	0.02	0.144	O	|	|	|	|	0.30
189.083	0.00	0.02	0.150	O	|	|	|	|	0.32	194.250	0.00	0.02	0.143	O	|	|	|	|	0.30
189.167	0.00	0.02	0.150	O	|	|	|	|	0.32	194.333	0.00	0.02	0.143	O	|	|	|	|	0.30
189.250	0.00	0.02	0.150	O	|	|	|	|	0.32	194.417	0.00	0.02	0.143	O	|	|	|	|	0.30
189.333	0.00	0.02	0.150	O	|	|	|	|	0.32	194.500	0.00	0.02	0.143	O	|	|	|	|	0.30
189.417	0.00	0.02	0.150	O	|	|	|	|	0.32	194.583	0.00	0.02	0.143	O	|	|	|	|	0.30
189.500	0.00	0.02	0.150	O	|	|	|	|	0.32	194.667	0.00	0.02	0.143	O	|	|	|	|	0.30
189.583	0.00	0.02	0.149	O	|	|	|	|	0.32	194.750	0.00	0.02	0.143	O	|	|	|	|	0.30
189.667	0.00	0.02	0.149	O	|	|	|	|	0.32	194.833	0.00	0.02	0.143	O	|	|	|	|	0.30
189.750	0.00	0.02	0.149	O	|	|	|	|	0.31	194.917	0.00	0.02	0.143	O	|	|	|	|	0.30
189.833	0.00	0.02	0.149	O	|	|	|	|	0.31	195.000	0.00	0.02	0.143	O	|	|	|	|	0.30
189.917	0.00	0.02	0.149	O	|	|	|	|	0.31	195.083	0.00	0.02	0.142	O	|	|	|	|	0.30
190.000	0.00	0.02	0.149	O	|	|	|	|	0.31	195.167	0.00	0.02	0.142	O	|	|	|	|	0.30
190.083	0.00	0.02	0.149	O	|	|	|	|	0.31	195.250	0.00	0.02	0.142	O	|	|	|	|	0.30

195.333	0.00	0.01	0.142	O	|	|	|	|	0.30	200.500	0.00	0.01	0.136	O	|	|	|	|	0.29
195.417	0.00	0.01	0.142	O	|	|	|	|	0.30	200.583	0.00	0.01	0.136	O	|	|	|	|	0.29
195.500	0.00	0.01	0.142	O	|	|	|	|	0.30	200.667	0.00	0.01	0.136	O	|	|	|	|	0.29
195.583	0.00	0.01	0.142	O	|	|	|	|	0.30	200.750	0.00	0.01	0.136	O	|	|	|	|	0.29
195.667	0.00	0.01	0.142	O	|	|	|	|	0.30	200.833	0.00	0.01	0.135	O	|	|	|	|	0.29
195.750	0.00	0.01	0.142	O	|	|	|	|	0.30	200.917	0.00	0.01	0.135	O	|	|	|	|	0.29
195.833	0.00	0.01	0.142	O	|	|	|	|	0.30	201.000	0.00	0.01	0.135	O	|	|	|	|	0.29
195.917	0.00	0.01	0.141	O	|	|	|	|	0.30	201.083	0.00	0.01	0.135	O	|	|	|	|	0.29
196.000	0.00	0.01	0.141	O	|	|	|	|	0.30	201.167	0.00	0.01	0.135	O	|	|	|	|	0.29
196.083	0.00	0.01	0.141	O	|	|	|	|	0.30	201.250	0.00	0.01	0.135	O	|	|	|	|	0.28
196.167	0.00	0.01	0.141	O	|	|	|	|	0.30	201.333	0.00	0.01	0.135	O	|	|	|	|	0.28
196.250	0.00	0.01	0.141	O	|	|	|	|	0.30	201.417	0.00	0.01	0.135	O	|	|	|	|	0.28
196.333	0.00	0.01	0.141	O	|	|	|	|	0.30	201.500	0.00	0.01	0.135	O	|	|	|	|	0.28
196.417	0.00	0.01	0.141	O	|	|	|	|	0.30	201.583	0.00	0.01	0.135	O	|	|	|	|	0.28
196.500	0.00	0.01	0.141	O	|	|	|	|	0.30	201.667	0.00	0.01	0.135	O	|	|	|	|	0.28
196.583	0.00	0.01	0.141	O	|	|	|	|	0.30	201.750	0.00	0.01	0.134	O	|	|	|	|	0.28
196.667	0.00	0.01	0.140	O	|	|	|	|	0.30	201.833	0.00	0.01	0.134	O	|	|	|	|	0.28
196.750	0.00	0.01	0.140	O	|	|	|	|	0.30	201.917	0.00	0.01	0.134	O	|	|	|	|	0.28
196.833	0.00	0.01	0.140	O	|	|	|	|	0.30	202.000	0.00	0.01	0.134	O	|	|	|	|	0.28
196.917	0.00	0.01	0.140	O	|	|	|	|	0.30	202.083	0.00	0.01	0.134	O	|	|	|	|	0.28
197.000	0.00	0.01	0.140	O	|	|	|	|	0.30	202.167	0.00	0.01	0.134	O	|	|	|	|	0.28
197.083	0.00	0.01	0.140	O	|	|	|	|	0.30	202.250	0.00	0.01	0.134	O	|	|	|	|	0.28
197.167	0.00	0.01	0.140	O	|	|	|	|	0.30	202.333	0.00	0.01	0.134	O	|	|	|	|	0.28
197.250	0.00	0.01	0.140	O	|	|	|	|	0.29	202.417	0.00	0.01	0.134	O	|	|	|	|	0.28
197.333	0.00	0.01	0.140	O	|	|	|	|	0.29	202.500	0.00	0.01	0.134	O	|	|	|	|	0.28
197.417	0.00	0.01	0.140	O	|	|	|	|	0.29	202.583	0.00	0.01	0.133	O	|	|	|	|	0.28
197.500	0.00	0.01	0.139	O	|	|	|	|	0.29	202.667	0.00	0.01	0.133	O	|	|	|	|	0.28
197.583	0.00	0.01	0.139	O	|	|	|	|	0.29	202.750	0.00	0.01	0.133	O	|	|	|	|	0.28
197.667	0.00	0.01	0.139	O	|	|	|	|	0.29	202.833	0.00	0.01	0.133	O	|	|	|	|	0.28
197.750	0.00	0.01	0.139	O	|	|	|	|	0.29	202.917	0.00	0.01	0.133	O	|	|	|	|	0.28
197.833	0.00	0.01	0.139	O	|	|	|	|	0.29	203.000	0.00	0.01	0.133	O	|	|	|	|	0.28
197.917	0.00	0.01	0.139	O	|	|	|	|	0.29	203.083	0.00	0.01	0.133	O	|	|	|	|	0.28
198.000	0.00	0.01	0.139	O	|	|	|	|	0.29	203.167	0.00	0.01	0.133	O	|	|	|	|	0.28
198.083	0.00	0.01	0.139	O	|	|	|	|	0.29	203.250	0.00	0.01	0.133	O	|	|	|	|	0.28
198.167	0.00	0.01	0.139	O	|	|	|	|	0.29	203.333	0.00	0.01	0.133	O	|	|	|	|	0.28
198.250	0.00	0.01	0.139	O	|	|	|	|	0.29	203.417	0.00	0.01	0.132	O	|	|	|	|	0.28
198.333	0.00	0.01	0.138	O	|	|	|	|	0.29	203.500	0.00	0.01	0.132	O	|	|	|	|	0.28
198.417	0.00	0.01	0.138	O	|	|	|	|	0.29	203.583	0.00	0.01	0.132	O	|	|	|	|	0.28
198.500	0.00	0.01	0.138	O	|	|	|	|	0.29	203.667	0.00	0.01	0.132	O	|	|	|	|	0.28
198.583	0.00	0.01	0.138	O	|	|	|	|	0.29	203.750	0.00	0.01	0.132	O	|	|	|	|	0.28
198.667	0.00	0.01	0.138	O	|	|	|	|	0.29	203.833	0.00	0.01	0.132	O	|	|	|	|	0.28
198.750	0.00	0.01	0.138	O	|	|	|	|	0.29	203.917	0.00	0.01	0.132	O	|	|	|	|	0.28
198.833	0.00	0.01	0.138	O	|	|	|	|	0.29	204.000	0.00	0.01	0.132	O	|	|	|	|	0.28
198.917	0.00	0.01	0.138	O	|	|	|	|	0.29	204.083	0.00	0.01	0.132	O	|	|	|	|	0.28
199.000	0.00	0.01	0.138	O	|	|	|	|	0.29	204.167	0.00	0.01	0.132	O	|	|	|	|	0.28
199.083	0.00	0.01	0.138	O	|	|	|	|	0.29	204.250	0.00	0.01	0.132	O	|	|	|	|	0.28
199.167	0.00	0.01	0.137	O	|	|	|	|	0.29	204.333	0.00	0.01	0.131	O	|	|	|	|	0.28
199.250	0.00	0.01	0.137	O	|	|	|	|	0.29	204.417	0.00	0.01	0.131	O	|	|	|	|	0.28
199.333	0.00	0.01	0.137	O	|	|	|	|	0.29	204.500	0.00	0.01	0.131	O	|	|	|	|	0.28
199.417	0.00	0.01	0.137	O	|	|	|	|	0.29	204.583	0.00	0.01	0.131	O	|	|	|	|	0.28
199.500	0.00	0.01	0.137	O	|	|	|	|	0.29	204.667	0.00	0.01	0.131	O	|	|	|	|	0.28
199.583	0.00	0.01	0.137	O	|	|	|	|	0.29	204.750	0.00	0.01	0.131	O	|	|	|	|	0.28
199.667	0.00	0.01	0.137	O	|	|	|	|	0.29	204.833	0.00	0.01	0.131	O	|	|	|	|	0.28
199.750	0.00	0.01	0.137	O	|	|	|	|	0.29	204.917	0.00	0.01	0.131	O	|	|	|	|	0.28
199.833	0.00	0.01	0.137	O	|	|	|	|	0.29	205.000	0.00	0.01	0.131	O	|	|	|	|	0.28
199.917	0.00	0.01	0.137	O	|	|	|	|	0.29	205.083	0.00	0.01	0.131	O	|	|	|	|	0.28
200.000	0.00	0.01	0.136	O	|	|	|	|	0.29	205.167	0.00	0.01	0.130	O	|	|	|	|	0.28
200.083	0.00	0.01	0.136	O	|	|	|	|	0.29	205.250	0.00	0.01	0.130	O	|	|	|	|	0.28
200.167	0.00	0.01	0.136	O	|	|	|	|	0.29	205.333	0.00	0.01	0.130	O	|	|	|	|	0.27
200.250	0.00	0.01	0.136	O	|	|	|	|	0.29	205.417	0.00	0.01	0.130	O	|	|	|	|	0.27
200.333	0.00	0.01	0.136	O	|	|	|	|	0.29	205.500	0.00	0.01	0.130	O	|	|	|	|	0.27
200.417	0.00	0.01	0.136	O	|	|	|	|	0.29	205.583	0.00	0.01	0.130	O	|	|	|	|	0.27

205.667	0.00	0.01	0.130	O	|	|	|	|	0.27	210.833	0.00	0.01	0.124	O	|	|	|	|	0.26
205.750	0.00	0.01	0.130	O	|	|	|	|	0.27	210.917	0.00	0.01	0.124	O	|	|	|	|	0.26
205.833	0.00	0.01	0.130	O	|	|	|	|	0.27	211.000	0.00	0.01	0.124	O	|	|	|	|	0.26
205.917	0.00	0.01	0.130	O	|	|	|	|	0.27	211.083	0.00	0.01	0.124	O	|	|	|	|	0.26
206.000	0.00	0.01	0.130	O	|	|	|	|	0.27	211.167	0.00	0.01	0.124	O	|	|	|	|	0.26
206.083	0.00	0.01	0.129	O	|	|	|	|	0.27	211.250	0.00	0.01	0.124	O	|	|	|	|	0.26
206.167	0.00	0.01	0.129	O	|	|	|	|	0.27	211.333	0.00	0.01	0.124	O	|	|	|	|	0.26
206.250	0.00	0.01	0.129	O	|	|	|	|	0.27	211.417	0.00	0.01	0.124	O	|	|	|	|	0.26
206.333	0.00	0.01	0.129	O	|	|	|	|	0.27	211.500	0.00	0.01	0.123	O	|	|	|	|	0.26
206.417	0.00	0.01	0.129	O	|	|	|	|	0.27	211.583	0.00	0.01	0.123	O	|	|	|	|	0.26
206.500	0.00	0.01	0.129	O	|	|	|	|	0.27	211.667	0.00	0.01	0.123	O	|	|	|	|	0.26
206.583	0.00	0.01	0.129	O	|	|	|	|	0.27	211.750	0.00	0.01	0.123	O	|	|	|	|	0.26
206.667	0.00	0.01	0.129	O	|	|	|	|	0.27	211.833	0.00	0.01	0.123	O	|	|	|	|	0.26
206.750	0.00	0.01	0.129	O	|	|	|	|	0.27	211.917	0.00	0.01	0.123	O	|	|	|	|	0.26
206.833	0.00	0.01	0.129	O	|	|	|	|	0.27	212.000	0.00	0.01	0.123	O	|	|	|	|	0.26
206.917	0.00	0.01	0.128	O	|	|	|	|	0.27	212.083	0.00	0.01	0.123	O	|	|	|	|	0.26
207.000	0.00	0.01	0.128	O	|	|	|	|	0.27	212.167	0.00	0.01	0.123	O	|	|	|	|	0.26
207.083	0.00	0.01	0.128	O	|	|	|	|	0.27	212.250	0.00	0.01	0.123	O	|	|	|	|	0.26
207.167	0.00	0.01	0.128	O	|	|	|	|	0.27	212.333	0.00	0.01	0.123	O	|	|	|	|	0.26
207.250	0.00	0.01	0.128	O	|	|	|	|	0.27	212.417	0.00	0.01	0.122	O	|	|	|	|	0.26
207.333	0.00	0.01	0.128	O	|	|	|	|	0.27	212.500	0.00	0.01	0.122	O	|	|	|	|	0.26
207.417	0.00	0.01	0.128	O	|	|	|	|	0.27	212.583	0.00	0.01	0.122	O	|	|	|	|	0.26
207.500	0.00	0.01	0.128	O	|	|	|	|	0.27	212.667	0.00	0.01	0.122	O	|	|	|	|	0.26
207.583	0.00	0.01	0.128	O	|	|	|	|	0.27	212.750	0.00	0.01	0.122	O	|	|	|	|	0.26
207.667	0.00	0.01	0.128	O	|	|	|	|	0.27	212.833	0.00	0.01	0.122	O	|	|	|	|	0.26
207.750	0.00	0.01	0.128	O	|	|	|	|	0.27	212.917	0.00	0.01	0.122	O	|	|	|	|	0.26
207.833	0.00	0.01	0.127	O	|	|	|	|	0.27	213.000	0.00	0.01	0.122	O	|	|	|	|	0.26
207.917	0.00	0.01	0.127	O	|	|	|	|	0.27	213.083	0.00	0.01	0.122	O	|	|	|	|	0.26
208.000	0.00	0.01	0.127	O	|	|	|	|	0.27	213.167	0.00	0.01	0.122	O	|	|	|	|	0.26
208.083	0.00	0.01	0.127	O	|	|	|	|	0.27	213.250	0.00	0.01	0.122	O	|	|	|	|	0.26
208.167	0.00	0.01	0.127	O	|	|	|	|	0.27	213.333	0.00	0.01	0.121	O	|	|	|	|	0.26
208.250	0.00	0.01	0.127	O	|	|	|	|	0.27	213.417	0.00	0.01	0.121	O	|	|	|	|	0.26
208.333	0.00	0.01	0.127	O	|	|	|	|	0.27	213.500	0.00	0.01	0.121	O	|	|	|	|	0.26
208.417	0.00	0.01	0.127	O	|	|	|	|	0.27	213.583	0.00	0.01	0.121	O	|	|	|	|	0.26
208.500	0.00	0.01	0.127	O	|	|	|	|	0.27	213.667	0.00	0.01	0.121	O	|	|	|	|	0.26
208.583	0.00	0.01	0.127	O	|	|	|	|	0.27	213.750	0.00	0.01	0.121	O	|	|	|	|	0.26
208.667	0.00	0.01	0.127	O	|	|	|	|	0.27	213.833	0.00	0.01	0.121	O	|	|	|	|	0.26
208.750	0.00	0.01	0.126	O	|	|	|	|	0.27	213.917	0.00	0.01	0.121	O	|	|	|	|	0.26
208.833	0.00	0.01	0.126	O	|	|	|	|	0.27	214.000	0.00	0.01	0.121	O	|	|	|	|	0.25
208.917	0.00	0.01	0.126	O	|	|	|	|	0.27	214.083	0.00	0.01	0.121	O	|	|	|	|	0.25
209.000	0.00	0.01	0.126	O	|	|	|	|	0.27	214.167	0.00	0.01	0.121	O	|	|	|	|	0.25
209.083	0.00	0.01	0.126	O	|	|	|	|	0.27	214.250	0.00	0.01	0.121	O	|	|	|	|	0.25
209.167	0.00	0.01	0.126	O	|	|	|	|	0.27	214.333	0.00	0.01	0.120	O	|	|	|	|	0.25
209.250	0.00	0.01	0.126	O	|	|	|	|	0.27	214.417	0.00	0.01	0.120	O	|	|	|	|	0.25
209.333	0.00	0.01	0.126	O	|	|	|	|	0.27	214.500	0.00	0.01	0.120	O	|	|	|	|	0.25
209.417	0.00	0.01	0.126	O	|	|	|	|	0.27	214.583	0.00	0.01	0.120	O	|	|	|	|	0.25
209.500	0.00	0.01	0.126	O	|	|	|	|	0.27	214.667	0.00	0.01	0.120	O	|	|	|	|	0.25
209.583	0.00	0.01	0.126	O	|	|	|	|	0.26	214.750	0.00	0.01	0.120	O	|	|	|	|	0.25
209.667	0.00	0.01	0.125	O	|	|	|	|	0.26	214.833	0.00	0.01	0.120	O	|	|	|	|	0.25
209.750	0.00	0.01	0.125	O	|	|	|	|	0.26	214.917	0.00	0.01	0.120	O	|	|	|	|	0.25
209.833	0.00	0.01	0.125	O	|	|	|	|	0.26	215.000	0.00	0.01	0.120	O	|	|	|	|	0.25
209.917	0.00	0.01	0.125	O	|	|	|	|	0.26	215.083	0.00	0.01	0.120	O	|	|	|	|	0.25
210.000	0.00	0.01	0.125	O	|	|	|	|	0.26	215.167	0.00	0.01	0.120	O	|	|	|	|	0.25
210.083	0.00	0.01	0.125	O	|	|	|	|	0.26	215.250	0.00	0.01	0.119	O	|	|	|	|	0.25
210.167	0.00	0.01	0.125	O	|	|	|	|	0.26	215.333	0.00	0.01	0.119	O	|	|	|	|	0.25
210.250	0.00	0.01	0.125	O	|	|	|	|	0.26	215.417	0.00	0.01	0.119	O	|	|	|	|	0.25
210.333	0.00	0.01	0.125	O	|	|	|	|	0.26	215.500	0.00	0.01	0.119	O	|	|	|	|	0.25
210.417	0.00	0.01	0.125	O	|	|	|	|	0.26	215.583	0.00	0.01	0.119	O	|	|	|	|	0.25
210.500	0.00	0.01	0.125	O	|	|	|	|	0.26	215.667	0.00	0.01	0.119	O	|	|	|	|	0.25
210.583	0.00	0.01	0.124	O	|	|	|	|	0.26	215.750	0.00	0.01	0.119	O	|	|	|	|	0.25
210.667	0.00	0.01	0.124	O	|	|	|	|	0.26	215.833	0.00	0.01	0.119	O	|	|	|	|	0.25
210.750	0.00	0.01	0.124	O	|	|	|	|	0.26	215.917	0.00	0.01	0.119	O	|	|	|	|	0.25

216.000	0.00	0.01	0.119	O	|	|	|	|	0.25	221.167	0.00	0.01	0.113	O	|	|	|	|	0.24
216.083	0.00	0.01	0.119	O	|	|	|	|	0.25	221.250	0.00	0.01	0.113	O	|	|	|	|	0.24
216.167	0.00	0.01	0.119	O	|	|	|	|	0.25	221.333	0.00	0.01	0.113	O	|	|	|	|	0.24
216.250	0.00	0.01	0.118	O	|	|	|	|	0.25	221.417	0.00	0.01	0.113	O	|	|	|	|	0.24
216.333	0.00	0.01	0.118	O	|	|	|	|	0.25	221.500	0.00	0.01	0.113	O	|	|	|	|	0.24
216.417	0.00	0.01	0.118	O	|	|	|	|	0.25	221.583	0.00	0.01	0.113	O	|	|	|	|	0.24
216.500	0.00	0.01	0.118	O	|	|	|	|	0.25	221.667	0.00	0.01	0.113	O	|	|	|	|	0.24
216.583	0.00	0.01	0.118	O	|	|	|	|	0.25	221.750	0.00	0.01	0.113	O	|	|	|	|	0.24
216.667	0.00	0.01	0.118	O	|	|	|	|	0.25	221.833	0.00	0.01	0.113	O	|	|	|	|	0.24
216.750	0.00	0.01	0.118	O	|	|	|	|	0.25	221.917	0.00	0.01	0.113	O	|	|	|	|	0.24
216.833	0.00	0.01	0.118	O	|	|	|	|	0.25	222.000	0.00	0.01	0.113	O	|	|	|	|	0.24
216.917	0.00	0.01	0.118	O	|	|	|	|	0.25	222.083	0.00	0.01	0.113	O	|	|	|	|	0.24
217.000	0.00	0.01	0.118	O	|	|	|	|	0.25	222.167	0.00	0.01	0.112	O	|	|	|	|	0.24
217.083	0.00	0.01	0.118	O	|	|	|	|	0.25	222.250	0.00	0.01	0.112	O	|	|	|	|	0.24
217.167	0.00	0.01	0.118	O	|	|	|	|	0.25	222.333	0.00	0.01	0.112	O	|	|	|	|	0.24
217.250	0.00	0.01	0.117	O	|	|	|	|	0.25	222.417	0.00	0.01	0.112	O	|	|	|	|	0.24
217.333	0.00	0.01	0.117	O	|	|	|	|	0.25	222.500	0.00	0.01	0.112	O	|	|	|	|	0.24
217.417	0.00	0.01	0.117	O	|	|	|	|	0.25	222.583	0.00	0.01	0.112	O	|	|	|	|	0.24
217.500	0.00	0.01	0.117	O	|	|	|	|	0.25	222.667	0.00	0.01	0.112	O	|	|	|	|	0.24
217.583	0.00	0.01	0.117	O	|	|	|	|	0.25	222.750	0.00	0.01	0.112	O	|	|	|	|	0.24
217.667	0.00	0.01	0.117	O	|	|	|	|	0.25	222.833	0.00	0.01	0.112	O	|	|	|	|	0.24
217.750	0.00	0.01	0.117	O	|	|	|	|	0.25	222.917	0.00	0.01	0.112	O	|	|	|	|	0.24
217.833	0.00	0.01	0.117	O	|	|	|	|	0.25	223.000	0.00	0.01	0.112	O	|	|	|	|	0.24
217.917	0.00	0.01	0.117	O	|	|	|	|	0.25	223.083	0.00	0.01	0.112	O	|	|	|	|	0.24
218.000	0.00	0.01	0.117	O	|	|	|	|	0.25	223.167	0.00	0.01	0.112	O	|	|	|	|	0.24
218.083	0.00	0.01	0.117	O	|	|	|	|	0.25	223.250	0.00	0.01	0.111	O	|	|	|	|	0.24
218.167	0.00	0.01	0.116	O	|	|	|	|	0.25	223.333	0.00	0.01	0.111	O	|	|	|	|	0.23
218.250	0.00	0.01	0.116	O	|	|	|	|	0.25	223.417	0.00	0.01	0.111	O	|	|	|	|	0.23
218.333	0.00	0.01	0.116	O	|	|	|	|	0.25	223.500	0.00	0.01	0.111	O	|	|	|	|	0.23
218.417	0.00	0.01	0.116	O	|	|	|	|	0.25	223.583	0.00	0.01	0.111	O	|	|	|	|	0.23
218.500	0.00	0.01	0.116	O	|	|	|	|	0.25	223.667	0.00	0.01	0.111	O	|	|	|	|	0.23
218.583	0.00	0.01	0.116	O	|	|	|	|	0.24	223.750	0.00	0.01	0.111	O	|	|	|	|	0.23
218.667	0.00	0.01	0.116	O	|	|	|	|	0.24	223.833	0.00	0.01	0.111	O	|	|	|	|	0.23
218.750	0.00	0.01	0.116	O	|	|	|	|	0.24	223.917	0.00	0.01	0.111	O	|	|	|	|	0.23
218.833	0.00	0.01	0.116	O	|	|	|	|	0.24	224.000	0.00	0.01	0.111	O	|	|	|	|	0.23
218.917	0.00	0.01	0.116	O	|	|	|	|	0.24	224.083	0.00	0.01	0.111	O	|	|	|	|	0.23
219.000	0.00	0.01	0.116	O	|	|	|	|	0.24	224.167	0.00	0.01	0.111	O	|	|	|	|	0.23
219.083	0.00	0.01	0.116	O	|	|	|	|	0.24	224.250	0.00	0.01	0.110	O	|	|	|	|	0.23
219.167	0.00	0.01	0.115	O	|	|	|	|	0.24	224.333	0.00	0.01	0.110	O	|	|	|	|	0.23
219.250	0.00	0.01	0.115	O	|	|	|	|	0.24	224.417	0.00	0.01	0.110	O	|	|	|	|	0.23
219.333	0.00	0.01	0.115	O	|	|	|	|	0.24	224.500	0.00	0.01	0.110	O	|	|	|	|	0.23
219.417	0.00	0.01	0.115	O	|	|	|	|	0.24	224.583	0.00	0.01	0.110	O	|	|	|	|	0.23
219.500	0.00	0.01	0.115	O	|	|	|	|	0.24	224.667	0.00	0.01	0.110	O	|	|	|	|	0.23
219.583	0.00	0.01	0.115	O	|	|	|	|	0.24	224.750	0.00	0.01	0.110	O	|	|	|	|	0.23
219.667	0.00	0.01	0.115	O	|	|	|	|	0.24	224.833	0.00	0.01	0.110	O	|	|	|	|	0.23
219.750	0.00	0.01	0.115	O	|	|	|	|	0.24	224.917	0.00	0.01	0.110	O	|	|	|	|	0.23
219.833	0.00	0.01	0.115	O	|	|	|	|	0.24	225.000	0.00	0.01	0.110	O	|	|	|	|	0.23
219.917	0.00	0.01	0.115	O	|	|	|	|	0.24	225.083	0.00	0.01	0.110	O	|	|	|	|	0.23
220.000	0.00	0.01	0.115	O	|	|	|	|	0.24	225.167	0.00	0.01	0.110	O	|	|	|	|	0.23
220.083	0.00	0.01	0.115	O	|	|	|	|	0.24	225.250	0.00	0.01	0.110	O	|	|	|	|	0.23
220.167	0.00	0.01	0.114	O	|	|	|	|	0.24	225.333	0.00	0.01	0.109	O	|	|	|	|	0.23
220.250	0.00	0.01	0.114	O	|	|	|	|	0.24	225.417	0.00	0.01	0.109	O	|	|	|	|	0.23
220.333	0.00	0.01	0.114	O	|	|	|	|	0.24	225.500	0.00	0.01	0.109	O	|	|	|	|	0.23
220.417	0.00	0.01	0.114	O	|	|	|	|	0.24	225.583	0.00	0.01	0.109	O	|	|	|	|	0.23
220.500	0.00	0.01	0.114	O	|	|	|	|	0.24	225.667	0.00	0.01	0.109	O	|	|	|	|	0.23
220.583	0.00	0.01	0.114	O	|	|	|	|	0.24	225.750	0.00	0.01	0.109	O	|	|	|	|	0.23
220.667	0.00	0.01	0.114	O	|	|	|	|	0.24	225.833	0.00	0.01	0.109	O	|	|	|	|	0.23
220.750	0.00	0.01	0.114	O	|	|	|	|	0.24	225.917	0.00	0.01	0.109	O	|	|	|	|	0.23
220.833	0.00	0.01	0.114	O	|	|	|	|	0.24	226.000	0.00	0.01	0.109	O	|	|	|	|	0.23
220.917	0.00	0.01	0.114	O	|	|	|	|	0.24	226.083	0.00	0.01	0.109	O	|	|	|	|	0.23
221.000	0.00	0.01	0.114	O	|	|	|	|	0.24	226.167	0.00	0.01	0.109	O	|	|	|	|	0.23
221.083	0.00	0.01	0.114	O	|	|	|	|	0.24	226.250	0.00	0.01	0.109	O	|	|	|	|	0.23

226.333	0.00	0.01	0.108	O	|	|	|	|	0.23	231.500	0.00	0.01	0.104	O	|	|	|	|	0.22
226.417	0.00	0.01	0.108	O	|	|	|	|	0.23	231.583	0.00	0.01	0.104	O	|	|	|	|	0.22
226.500	0.00	0.01	0.108	O	|	|	|	|	0.23	231.667	0.00	0.01	0.104	O	|	|	|	|	0.22
226.583	0.00	0.01	0.108	O	|	|	|	|	0.23	231.750	0.00	0.01	0.103	O	|	|	|	|	0.22
226.667	0.00	0.01	0.108	O	|	|	|	|	0.23	231.833	0.00	0.01	0.103	O	|	|	|	|	0.22
226.750	0.00	0.01	0.108	O	|	|	|	|	0.23	231.917	0.00	0.01	0.103	O	|	|	|	|	0.22
226.833	0.00	0.01	0.108	O	|	|	|	|	0.23	232.000	0.00	0.01	0.103	O	|	|	|	|	0.22
226.917	0.00	0.01	0.108	O	|	|	|	|	0.23	232.083	0.00	0.01	0.103	O	|	|	|	|	0.22
227.000	0.00	0.01	0.108	O	|	|	|	|	0.23	232.167	0.00	0.01	0.103	O	|	|	|	|	0.22
227.083	0.00	0.01	0.108	O	|	|	|	|	0.23	232.250	0.00	0.01	0.103	O	|	|	|	|	0.22
227.167	0.00	0.01	0.108	O	|	|	|	|	0.23	232.333	0.00	0.01	0.103	O	|	|	|	|	0.22
227.250	0.00	0.01	0.108	O	|	|	|	|	0.23	232.417	0.00	0.01	0.103	O	|	|	|	|	0.22
227.333	0.00	0.01	0.108	O	|	|	|	|	0.23	232.500	0.00	0.01	0.103	O	|	|	|	|	0.22
227.417	0.00	0.01	0.107	O	|	|	|	|	0.23	232.583	0.00	0.01	0.103	O	|	|	|	|	0.22
227.500	0.00	0.01	0.107	O	|	|	|	|	0.23	232.667	0.00	0.01	0.103	O	|	|	|	|	0.22
227.583	0.00	0.01	0.107	O	|	|	|	|	0.23	232.750	0.00	0.01	0.103	O	|	|	|	|	0.22
227.667	0.00	0.01	0.107	O	|	|	|	|	0.23	232.833	0.00	0.01	0.103	O	|	|	|	|	0.22
227.750	0.00	0.01	0.107	O	|	|	|	|	0.23	232.917	0.00	0.01	0.102	O	|	|	|	|	0.22
227.833	0.00	0.01	0.107	O	|	|	|	|	0.23	233.000	0.00	0.01	0.102	O	|	|	|	|	0.22
227.917	0.00	0.01	0.107	O	|	|	|	|	0.23	233.083	0.00	0.01	0.102	O	|	|	|	|	0.22
228.000	0.00	0.01	0.107	O	|	|	|	|	0.23	233.167	0.00	0.01	0.102	O	|	|	|	|	0.22
228.083	0.00	0.01	0.107	O	|	|	|	|	0.23	233.250	0.00	0.01	0.102	O	|	|	|	|	0.22
228.167	0.00	0.01	0.107	O	|	|	|	|	0.23	233.333	0.00	0.01	0.102	O	|	|	|	|	0.22
228.250	0.00	0.01	0.107	O	|	|	|	|	0.23	233.417	0.00	0.01	0.102	O	|	|	|	|	0.22
228.333	0.00	0.01	0.107	O	|	|	|	|	0.22	233.500	0.00	0.01	0.102	O	|	|	|	|	0.21
228.417	0.00	0.01	0.107	O	|	|	|	|	0.22	233.583	0.00	0.01	0.102	O	|	|	|	|	0.21
228.500	0.00	0.01	0.106	O	|	|	|	|	0.22	233.667	0.00	0.01	0.102	O	|	|	|	|	0.21
228.583	0.00	0.01	0.106	O	|	|	|	|	0.22	233.750	0.00	0.01	0.102	O	|	|	|	|	0.21
228.667	0.00	0.01	0.106	O	|	|	|	|	0.22	233.833	0.00	0.01	0.102	O	|	|	|	|	0.21
228.750	0.00	0.01	0.106	O	|	|	|	|	0.22	233.917	0.00	0.01	0.102	O	|	|	|	|	0.21
228.833	0.00	0.01	0.106	O	|	|	|	|	0.22	234.000	0.00	0.01	0.101	O	|	|	|	|	0.21
228.917	0.00	0.01	0.106	O	|	|	|	|	0.22	234.083	0.00	0.01	0.101	O	|	|	|	|	0.21
229.000	0.00	0.01	0.106	O	|	|	|	|	0.22	234.167	0.00	0.01	0.101	O	|	|	|	|	0.21
229.083	0.00	0.01	0.106	O	|	|	|	|	0.22	234.250	0.00	0.01	0.101	O	|	|	|	|	0.21
229.167	0.00	0.01	0.106	O	|	|	|	|	0.22	234.333	0.00	0.01	0.101	O	|	|	|	|	0.21
229.250	0.00	0.01	0.106	O	|	|	|	|	0.22	234.417	0.00	0.01	0.101	O	|	|	|	|	0.21
229.333	0.00	0.01	0.106	O	|	|	|	|	0.22	234.500	0.00	0.01	0.101	O	|	|	|	|	0.21
229.417	0.00	0.01	0.106	O	|	|	|	|	0.22	234.583	0.00	0.01	0.101	O	|	|	|	|	0.21
229.500	0.00	0.01	0.106	O	|	|	|	|	0.22	234.667	0.00	0.01	0.101	O	|	|	|	|	0.21
229.583	0.00	0.01	0.105	O	|	|	|	|	0.22	234.750	0.00	0.01	0.101	O	|	|	|	|	0.21
229.667	0.00	0.01	0.105	O	|	|	|	|	0.22	234.833	0.00	0.01	0.101	O	|	|	|	|	0.21
229.750	0.00	0.01	0.105	O	|	|	|	|	0.22	234.917	0.00	0.01	0.101	O	|	|	|	|	0.21
229.833	0.00	0.01	0.105	O	|	|	|	|	0.22	235.000	0.00	0.01	0.101	O	|	|	|	|	0.21
229.917	0.00	0.01	0.105	O	|	|	|	|	0.22	235.083	0.00	0.01	0.101	O	|	|	|	|	0.21
230.000	0.00	0.01	0.105	O	|	|	|	|	0.22	235.167	0.00	0.01	0.100	O	|	|	|	|	0.21
230.083	0.00	0.01	0.105	O	|	|	|	|	0.22	235.250	0.00	0.01	0.100	O	|	|	|	|	0.21
230.167	0.00	0.01	0.105	O	|	|	|	|	0.22	235.333	0.00	0.01	0.100	O	|	|	|	|	0.21
230.250	0.00	0.01	0.105	O	|	|	|	|	0.22	235.417	0.00	0.01	0.100	O	|	|	|	|	0.21
230.333	0.00	0.01	0.105	O	|	|	|	|	0.22	235.500	0.00	0.01	0.100	O	|	|	|	|	0.21
230.417	0.00	0.01	0.105	O	|	|	|	|	0.22	235.583	0.00	0.01	0.100	O	|	|	|	|	0.21
230.500	0.00	0.01	0.105	O	|	|	|	|	0.22	235.667	0.00	0.01	0.100	O	|	|	|	|	0.21
230.583	0.00	0.01	0.105	O	|	|	|	|	0.22	235.750	0.00	0.01	0.100	O	|	|	|	|	0.21
230.667	0.00	0.01	0.104	O	|	|	|	|	0.22	235.833	0.00	0.01	0.100	O	|	|	|	|	0.21
230.750	0.00	0.01	0.104	O	|	|	|	|	0.22	235.917	0.00	0.01	0.100	O	|	|	|	|	0.21
230.833	0.00	0.01	0.104	O	|	|	|	|	0.22	236.000	0.00	0.01	0.100	O	|	|	|	|	0.21
230.917	0.00	0.01	0.104	O	|	|	|	|	0.22	236.083	0.00	0.01	0.100	O	|	|	|	|	0.21
231.000	0.00	0.01	0.104	O	|	|	|	|	0.22	236.167	0.00	0.01	0.100	O	|	|	|	|	0.21
231.083	0.00	0.01	0.104	O	|	|	|	|	0.22	236.250	0.00	0.01	0.099	O	|	|	|	|	0.21
231.167	0.00	0.01	0.104	O	|	|	|	|	0.22	236.333	0.00	0.01	0.099	O	|	|	|	|	0.21
231.250	0.00	0.01	0.104	O	|	|	|	|	0.22	236.417	0.00	0.01	0.099	O	|	|	|	|	0.21
231.333	0.00	0.01	0.104	O	|	|	|	|	0.22	236.500	0.00	0.01	0.099	O	|	|	|	|	0.21
231.417	0.00	0.01	0.104	O	|	|	|	|	0.22	236.583	0.00	0.01	0.099	O	|	|	|	|	0.21

236.667	0.00	0.01	0.099	O	|	|	|	|	0.21	241.833	0.00	0.01	0.095	O	|	|	|	|	0.20
236.750	0.00	0.01	0.099	O	|	|	|	|	0.21	241.917	0.00	0.01	0.095	O	|	|	|	|	0.20
236.833	0.00	0.01	0.099	O	|	|	|	|	0.21	242.000	0.00	0.01	0.095	O	|	|	|	|	0.20
236.917	0.00	0.01	0.099	O	|	|	|	|	0.21	242.083	0.00	0.01	0.095	O	|	|	|	|	0.20
237.000	0.00	0.01	0.099	O	|	|	|	|	0.21	242.167	0.00	0.01	0.094	O	|	|	|	|	0.20
237.083	0.00	0.01	0.099	O	|	|	|	|	0.21	242.250	0.00	0.01	0.094	O	|	|	|	|	0.20
237.167	0.00	0.01	0.099	O	|	|	|	|	0.21	242.333	0.00	0.01	0.094	O	|	|	|	|	0.20
237.250	0.00	0.01	0.099	O	|	|	|	|	0.21	242.417	0.00	0.01	0.094	O	|	|	|	|	0.20
237.333	0.00	0.01	0.099	O	|	|	|	|	0.21	242.500	0.00	0.01	0.094	O	|	|	|	|	0.20
237.417	0.00	0.01	0.098	O	|	|	|	|	0.21	242.583	0.00	0.01	0.094	O	|	|	|	|	0.20
237.500	0.00	0.01	0.098	O	|	|	|	|	0.21	242.667	0.00	0.01	0.094	O	|	|	|	|	0.20
237.583	0.00	0.01	0.098	O	|	|	|	|	0.21	242.750	0.00	0.01	0.094	O	|	|	|	|	0.20
237.667	0.00	0.01	0.098	O	|	|	|	|	0.21	242.833	0.00	0.01	0.094	O	|	|	|	|	0.20
237.750	0.00	0.01	0.098	O	|	|	|	|	0.21	242.917	0.00	0.01	0.094	O	|	|	|	|	0.20
237.833	0.00	0.01	0.098	O	|	|	|	|	0.21	243.000	0.00	0.01	0.094	O	|	|	|	|	0.20
237.917	0.00	0.01	0.098	O	|	|	|	|	0.21	243.083	0.00	0.01	0.094	O	|	|	|	|	0.20
238.000	0.00	0.01	0.098	O	|	|	|	|	0.21	243.167	0.00	0.01	0.094	O	|	|	|	|	0.20
238.083	0.00	0.01	0.098	O	|	|	|	|	0.21	243.250	0.00	0.01	0.094	O	|	|	|	|	0.20
238.167	0.00	0.01	0.098	O	|	|	|	|	0.21	243.333	0.00	0.01	0.094	O	|	|	|	|	0.20
238.250	0.00	0.01	0.098	O	|	|	|	|	0.21	243.417	0.00	0.01	0.093	O	|	|	|	|	0.20
238.333	0.00	0.01	0.098	O	|	|	|	|	0.21	243.500	0.00	0.01	0.093	O	|	|	|	|	0.20
238.417	0.00	0.01	0.098	O	|	|	|	|	0.21	243.583	0.00	0.01	0.093	O	|	|	|	|	0.20
238.500	0.00	0.01	0.098	O	|	|	|	|	0.21	243.667	0.00	0.01	0.093	O	|	|	|	|	0.20
238.583	0.00	0.01	0.097	O	|	|	|	|	0.21	243.750	0.00	0.01	0.093	O	|	|	|	|	0.20
238.667	0.00	0.01	0.097	O	|	|	|	|	0.21	243.833	0.00	0.01	0.093	O	|	|	|	|	0.20
238.750	0.00	0.01	0.097	O	|	|	|	|	0.21	243.917	0.00	0.01	0.093	O	|	|	|	|	0.20
238.833	0.00	0.01	0.097	O	|	|	|	|	0.21	244.000	0.00	0.01	0.093	O	|	|	|	|	0.20
238.917	0.00	0.01	0.097	O	|	|	|	|	0.21	244.083	0.00	0.01	0.093	O	|	|	|	|	0.20
239.000	0.00	0.01	0.097	O	|	|	|	|	0.20	244.167	0.00	0.01	0.093	O	|	|	|	|	0.20
239.083	0.00	0.01	0.097	O	|	|	|	|	0.20	244.250	0.00	0.01	0.093	O	|	|	|	|	0.20
239.167	0.00	0.01	0.097	O	|	|	|	|	0.20	244.333	0.00	0.01	0.093	O	|	|	|	|	0.20
239.250	0.00	0.01	0.097	O	|	|	|	|	0.20	244.417	0.00	0.01	0.093	O	|	|	|	|	0.20
239.333	0.00	0.01	0.097	O	|	|	|	|	0.20	244.500	0.00	0.01	0.093	O	|	|	|	|	0.20
239.417	0.00	0.01	0.097	O	|	|	|	|	0.20	244.583	0.00	0.01	0.093	O	|	|	|	|	0.20
239.500	0.00	0.01	0.097	O	|	|	|	|	0.20	244.667	0.00	0.01	0.092	O	|	|	|	|	0.20
239.583	0.00	0.01	0.097	O	|	|	|	|	0.20	244.750	0.00	0.01	0.092	O	|	|	|	|	0.19
239.667	0.00	0.01	0.097	O	|	|	|	|	0.20	244.833	0.00	0.01	0.092	O	|	|	|	|	0.19
239.750	0.00	0.01	0.097	O	|	|	|	|	0.20	244.917	0.00	0.01	0.092	O	|	|	|	|	0.19
239.833	0.00	0.01	0.096	O	|	|	|	|	0.20	245.000	0.00	0.01	0.092	O	|	|	|	|	0.19
239.917	0.00	0.01	0.096	O	|	|	|	|	0.20	245.083	0.00	0.01	0.092	O	|	|	|	|	0.19
240.000	0.00	0.01	0.096	O	|	|	|	|	0.20	245.167	0.00	0.01	0.092	O	|	|	|	|	0.19
240.083	0.00	0.01	0.096	O	|	|	|	|	0.20	245.250	0.00	0.01	0.092	O	|	|	|	|	0.19
240.167	0.00	0.01	0.096	O	|	|	|	|	0.20	245.333	0.00	0.01	0.092	O	|	|	|	|	0.19
240.250	0.00	0.01	0.096	O	|	|	|	|	0.20	245.417	0.00	0.01	0.092	O	|	|	|	|	0.19
240.333	0.00	0.01	0.096	O	|	|	|	|	0.20	245.500	0.00	0.01	0.092	O	|	|	|	|	0.19
240.417	0.00	0.01	0.096	O	|	|	|	|	0.20	245.583	0.00	0.01	0.092	O	|	|	|	|	0.19
240.500	0.00	0.01	0.096	O	|	|	|	|	0.20	245.667	0.00	0.01	0.092	O	|	|	|	|	0.19
240.583	0.00	0.01	0.096	O	|	|	|	|	0.20	245.750	0.00	0.01	0.092	O	|	|	|	|	0.19
240.667	0.00	0.01	0.096	O	|	|	|	|	0.20	245.833	0.00	0.01	0.092	O	|	|	|	|	0.19
240.750	0.00	0.01	0.096	O	|	|	|	|	0.20	245.917	0.00	0.01	0.091	O	|	|	|	|	0.19
240.833	0.00	0.01	0.096	O	|	|	|	|	0.20	246.000	0.00	0.01	0.091	O	|	|	|	|	0.19
240.917	0.00	0.01	0.096	O	|	|	|	|	0.20	246.083	0.00	0.01	0.091	O	|	|	|	|	0.19
241.000	0.00	0.01	0.095	O	|	|	|	|	0.20	246.167	0.00	0.01	0.091	O	|	|	|	|	0.19
241.083	0.00	0.01	0.095	O	|	|	|	|	0.20	246.250	0.00	0.01	0.091	O	|	|	|	|	0.19
241.167	0.00	0.01	0.095	O	|	|	|	|	0.20	246.333	0.00	0.01	0.091	O	|	|	|	|	0.19
241.250	0.00	0.01	0.095	O	|	|	|	|	0.20	246.417	0.00	0.01	0.091	O	|	|	|	|	0.19
241.333	0.00	0.01	0.095	O	|	|	|	|	0.20	246.500	0.00	0.01	0.091	O	|	|	|	|	0.19
241.417	0.00	0.01	0.095	O	|	|	|	|	0.20	246.583	0.00	0.01	0.091	O	|	|	|	|	0.19
241.500	0.00	0.01	0.095	O	|	|	|	|	0.20	246.667	0.00	0.01	0.091	O	|	|	|	|	0.19
241.583	0.00	0.01	0.095	O	|	|	|	|	0.20	246.750	0.00	0.01	0.091	O	|	|	|	|	0.19
241.667	0.00	0.01	0.095	O	|	|	|	|	0.20	246.833	0.00	0.01	0.091	O	|	|	|	|	0.19
241.750	0.00	0.01	0.095	O	|	|	|	|	0.20	246.917	0.00	0.01	0.091	O	|	|	|	|	0.19

247.000	0.00	0.01	0.091	O	|	|	|	|	0.19	252.167	0.00	0.01	0.087	O	|	|	|	|	0.18
247.083	0.00	0.01	0.091	O	|	|	|	|	0.19	252.250	0.00	0.01	0.087	O	|	|	|	|	0.18
247.167	0.00	0.01	0.090	O	|	|	|	|	0.19	252.333	0.00	0.01	0.086	O	|	|	|	|	0.18
247.250	0.00	0.01	0.090	O	|	|	|	|	0.19	252.417	0.00	0.01	0.086	O	|	|	|	|	0.18
247.333	0.00	0.01	0.090	O	|	|	|	|	0.19	252.500	0.00	0.01	0.086	O	|	|	|	|	0.18
247.417	0.00	0.01	0.090	O	|	|	|	|	0.19	252.583	0.00	0.01	0.086	O	|	|	|	|	0.18
247.500	0.00	0.01	0.090	O	|	|	|	|	0.19	252.667	0.00	0.01	0.086	O	|	|	|	|	0.18
247.583	0.00	0.01	0.090	O	|	|	|	|	0.19	252.750	0.00	0.01	0.086	O	|	|	|	|	0.18
247.667	0.00	0.01	0.090	O	|	|	|	|	0.19	252.833	0.00	0.01	0.086	O	|	|	|	|	0.18
247.750	0.00	0.01	0.090	O	|	|	|	|	0.19	252.917	0.00	0.01	0.086	O	|	|	|	|	0.18
247.833	0.00	0.01	0.090	O	|	|	|	|	0.19	253.000	0.00	0.01	0.086	O	|	|	|	|	0.18
247.917	0.00	0.01	0.090	O	|	|	|	|	0.19	253.083	0.00	0.01	0.086	O	|	|	|	|	0.18
248.000	0.00	0.01	0.090	O	|	|	|	|	0.19	253.167	0.00	0.01	0.086	O	|	|	|	|	0.18
248.083	0.00	0.01	0.090	O	|	|	|	|	0.19	253.250	0.00	0.01	0.086	O	|	|	|	|	0.18
248.167	0.00	0.01	0.090	O	|	|	|	|	0.19	253.333	0.00	0.01	0.086	O	|	|	|	|	0.18
248.250	0.00	0.01	0.090	O	|	|	|	|	0.19	253.417	0.00	0.01	0.086	O	|	|	|	|	0.18
248.333	0.00	0.01	0.090	O	|	|	|	|	0.19	253.500	0.00	0.01	0.086	O	|	|	|	|	0.18
248.417	0.00	0.01	0.089	O	|	|	|	|	0.19	253.583	0.00	0.01	0.086	O	|	|	|	|	0.18
248.500	0.00	0.01	0.089	O	|	|	|	|	0.19	253.667	0.00	0.01	0.085	O	|	|	|	|	0.18
248.583	0.00	0.01	0.089	O	|	|	|	|	0.19	253.750	0.00	0.01	0.085	O	|	|	|	|	0.18
248.667	0.00	0.01	0.089	O	|	|	|	|	0.19	253.833	0.00	0.01	0.085	O	|	|	|	|	0.18
248.750	0.00	0.01	0.089	O	|	|	|	|	0.19	253.917	0.00	0.01	0.085	O	|	|	|	|	0.18
248.833	0.00	0.01	0.089	O	|	|	|	|	0.19	254.000	0.00	0.01	0.085	O	|	|	|	|	0.18
248.917	0.00	0.01	0.089	O	|	|	|	|	0.19	254.083	0.00	0.01	0.085	O	|	|	|	|	0.18
249.000	0.00	0.01	0.089	O	|	|	|	|	0.19	254.167	0.00	0.01	0.085	O	|	|	|	|	0.18
249.083	0.00	0.01	0.089	O	|	|	|	|	0.19	254.250	0.00	0.01	0.085	O	|	|	|	|	0.18
249.167	0.00	0.01	0.089	O	|	|	|	|	0.19	254.333	0.00	0.01	0.085	O	|	|	|	|	0.18
249.250	0.00	0.01	0.089	O	|	|	|	|	0.19	254.417	0.00	0.01	0.085	O	|	|	|	|	0.18
249.333	0.00	0.01	0.089	O	|	|	|	|	0.19	254.500	0.00	0.01	0.085	O	|	|	|	|	0.18
249.417	0.00	0.01	0.089	O	|	|	|	|	0.19	254.583	0.00	0.01	0.085	O	|	|	|	|	0.18
249.500	0.00	0.01	0.089	O	|	|	|	|	0.19	254.667	0.00	0.01	0.085	O	|	|	|	|	0.18
249.583	0.00	0.01	0.089	O	|	|	|	|	0.19	254.750	0.00	0.01	0.085	O	|	|	|	|	0.18
249.667	0.00	0.01	0.089	O	|	|	|	|	0.19	254.833	0.00	0.01	0.085	O	|	|	|	|	0.18
249.750	0.00	0.01	0.088	O	|	|	|	|	0.19	254.917	0.00	0.01	0.085	O	|	|	|	|	0.18
249.833	0.00	0.01	0.088	O	|	|	|	|	0.19	255.000	0.00	0.01	0.084	O	|	|	|	|	0.18
249.917	0.00	0.01	0.088	O	|	|	|	|	0.19	255.083	0.00	0.01	0.084	O	|	|	|	|	0.18
250.000	0.00	0.01	0.088	O	|	|	|	|	0.19	255.167	0.00	0.01	0.084	O	|	|	|	|	0.18
250.083	0.00	0.01	0.088	O	|	|	|	|	0.19	255.250	0.00	0.01	0.084	O	|	|	|	|	0.18
250.167	0.00	0.01	0.088	O	|	|	|	|	0.19	255.333	0.00	0.01	0.084	O	|	|	|	|	0.18
250.250	0.00	0.01	0.088	O	|	|	|	|	0.19	255.417	0.00	0.01	0.084	O	|	|	|	|	0.18
250.333	0.00	0.01	0.088	O	|	|	|	|	0.19	255.500	0.00	0.01	0.084	O	|	|	|	|	0.18
250.417	0.00	0.01	0.088	O	|	|	|	|	0.19	255.583	0.00	0.01	0.084	O	|	|	|	|	0.18
250.500	0.00	0.01	0.088	O	|	|	|	|	0.19	255.667	0.00	0.01	0.084	O	|	|	|	|	0.18
250.583	0.00	0.01	0.088	O	|	|	|	|	0.19	255.750	0.00	0.01	0.084	O	|	|	|	|	0.18
250.667	0.00	0.01	0.088	O	|	|	|	|	0.19	255.833	0.00	0.01	0.084	O	|	|	|	|	0.18
250.750	0.00	0.01	0.088	O	|	|	|	|	0.18	255.917	0.00	0.01	0.084	O	|	|	|	|	0.18
250.833	0.00	0.01	0.088	O	|	|	|	|	0.18	256.000	0.00	0.01	0.084	O	|	|	|	|	0.18
250.917	0.00	0.01	0.088	O	|	|	|	|	0.18	256.083	0.00	0.01	0.084	O	|	|	|	|	0.18
251.000	0.00	0.01	0.087	O	|	|	|	|	0.18	256.167	0.00	0.01	0.084	O	|	|	|	|	0.18
251.083	0.00	0.01	0.087	O	|	|	|	|	0.18	256.250	0.00	0.01	0.084	O	|	|	|	|	0.18
251.167	0.00	0.01	0.087	O	|	|	|	|	0.18	256.333	0.00	0.01	0.084	O	|	|	|	|	0.18
251.250	0.00	0.01	0.087	O	|	|	|	|	0.18	256.417	0.00	0.01	0.083	O	|	|	|	|	0.18
251.333	0.00	0.01	0.087	O	|	|	|	|	0.18	256.500	0.00	0.01	0.083	O	|	|	|	|	0.18
251.417	0.00	0.01	0.087	O	|	|	|	|	0.18	256.583	0.00	0.01	0.083	O	|	|	|	|	0.18
251.500	0.00	0.01	0.087	O	|	|	|	|	0.18	256.667	0.00	0.01	0.083	O	|	|	|	|	0.18
251.583	0.00	0.01	0.087	O	|	|	|	|	0.18	256.750	0.00	0.01	0.083	O	|	|	|	|	0.18
251.667	0.00	0.01	0.087	O	|	|	|	|	0.18	256.833	0.00	0.01	0.083	O	|	|	|	|	0.18
251.750	0.00	0.01	0.087	O	|	|	|	|	0.18	256.917	0.00	0.01	0.083	O	|	|	|	|	0.18
251.833	0.00	0.01	0.087	O	|	|	|	|	0.18	257.000	0.00	0.01	0.083	O	|	|	|	|	0.18
251.917	0.00	0.01	0.087	O	|	|	|	|	0.18	257.083	0.00	0.01	0.083	O	|	|	|	|	0.18
252.000	0.00	0.01	0.087	O	|	|	|	|	0.18	257.167	0.00	0.01	0.083	O	|	|	|	|	0.17
252.083	0.00	0.01	0.087	O	|	|	|	|	0.18	257.250	0.00	0.01	0.083	O	|	|	|	|	0.17

257.333	0.00	0.01	0.083	O	|	|	|	|	0.17	262.500	0.00	0.01	0.079	O	|	|	|	|	0.17
257.417	0.00	0.01	0.083	O	|	|	|	|	0.17	262.583	0.00	0.01	0.079	O	|	|	|	|	0.17
257.500	0.00	0.01	0.083	O	|	|	|	|	0.17	262.667	0.00	0.01	0.079	O	|	|	|	|	0.17
257.583	0.00	0.01	0.083	O	|	|	|	|	0.17	262.750	0.00	0.01	0.079	O	|	|	|	|	0.17
257.667	0.00	0.01	0.083	O	|	|	|	|	0.17	262.833	0.00	0.01	0.079	O	|	|	|	|	0.17
257.750	0.00	0.01	0.082	O	|	|	|	|	0.17	262.917	0.00	0.01	0.079	O	|	|	|	|	0.17
257.833	0.00	0.01	0.082	O	|	|	|	|	0.17	263.000	0.00	0.01	0.079	O	|	|	|	|	0.17
257.917	0.00	0.01	0.082	O	|	|	|	|	0.17	263.083	0.00	0.01	0.079	O	|	|	|	|	0.17
258.000	0.00	0.01	0.082	O	|	|	|	|	0.17	263.167	0.00	0.01	0.079	O	|	|	|	|	0.17
258.083	0.00	0.01	0.082	O	|	|	|	|	0.17	263.250	0.00	0.01	0.079	O	|	|	|	|	0.17
258.167	0.00	0.01	0.082	O	|	|	|	|	0.17	263.333	0.00	0.01	0.079	O	|	|	|	|	0.17
258.250	0.00	0.01	0.082	O	|	|	|	|	0.17	263.417	0.00	0.01	0.079	O	|	|	|	|	0.17
258.333	0.00	0.01	0.082	O	|	|	|	|	0.17	263.500	0.00	0.01	0.078	O	|	|	|	|	0.17
258.417	0.00	0.01	0.082	O	|	|	|	|	0.17	263.583	0.00	0.01	0.078	O	|	|	|	|	0.17
258.500	0.00	0.01	0.082	O	|	|	|	|	0.17	263.667	0.00	0.01	0.078	O	|	|	|	|	0.17
258.583	0.00	0.01	0.082	O	|	|	|	|	0.17	263.750	0.00	0.01	0.078	O	|	|	|	|	0.17
258.667	0.00	0.01	0.082	O	|	|	|	|	0.17	263.833	0.00	0.01	0.078	O	|	|	|	|	0.17
258.750	0.00	0.01	0.082	O	|	|	|	|	0.17	263.917	0.00	0.01	0.078	O	|	|	|	|	0.16
258.833	0.00	0.01	0.082	O	|	|	|	|	0.17	264.000	0.00	0.01	0.078	O	|	|	|	|	0.16
258.917	0.00	0.01	0.082	O	|	|	|	|	0.17	264.083	0.00	0.01	0.078	O	|	|	|	|	0.16
259.000	0.00	0.01	0.082	O	|	|	|	|	0.17	264.167	0.00	0.01	0.078	O	|	|	|	|	0.16
259.083	0.00	0.01	0.082	O	|	|	|	|	0.17	264.250	0.00	0.01	0.078	O	|	|	|	|	0.16
259.167	0.00	0.01	0.081	O	|	|	|	|	0.17	264.333	0.00	0.01	0.078	O	|	|	|	|	0.16
259.250	0.00	0.01	0.081	O	|	|	|	|	0.17	264.417	0.00	0.01	0.078	O	|	|	|	|	0.16
259.333	0.00	0.01	0.081	O	|	|	|	|	0.17	264.500	0.00	0.01	0.078	O	|	|	|	|	0.16
259.417	0.00	0.01	0.081	O	|	|	|	|	0.17	264.583	0.00	0.01	0.078	O	|	|	|	|	0.16
259.500	0.00	0.01	0.081	O	|	|	|	|	0.17	264.667	0.00	0.01	0.078	O	|	|	|	|	0.16
259.583	0.00	0.01	0.081	O	|	|	|	|	0.17	264.750	0.00	0.01	0.078	O	|	|	|	|	0.16
259.667	0.00	0.01	0.081	O	|	|	|	|	0.17	264.833	0.00	0.01	0.078	O	|	|	|	|	0.16
259.750	0.00	0.01	0.081	O	|	|	|	|	0.17	264.917	0.00	0.01	0.077	O	|	|	|	|	0.16
259.833	0.00	0.01	0.081	O	|	|	|	|	0.17	265.000	0.00	0.01	0.077	O	|	|	|	|	0.16
259.917	0.00	0.01	0.081	O	|	|	|	|	0.17	265.083	0.00	0.01	0.077	O	|	|	|	|	0.16
260.000	0.00	0.01	0.081	O	|	|	|	|	0.17	265.167	0.00	0.01	0.077	O	|	|	|	|	0.16
260.083	0.00	0.01	0.081	O	|	|	|	|	0.17	265.250	0.00	0.01	0.077	O	|	|	|	|	0.16
260.167	0.00	0.01	0.081	O	|	|	|	|	0.17	265.333	0.00	0.01	0.077	O	|	|	|	|	0.16
260.250	0.00	0.01	0.081	O	|	|	|	|	0.17	265.417	0.00	0.01	0.077	O	|	|	|	|	0.16
260.333	0.00	0.01	0.081	O	|	|	|	|	0.17	265.500	0.00	0.01	0.077	O	|	|	|	|	0.16
260.417	0.00	0.01	0.081	O	|	|	|	|	0.17	265.583	0.00	0.01	0.077	O	|	|	|	|	0.16
260.500	0.00	0.01	0.081	O	|	|	|	|	0.17	265.667	0.00	0.01	0.077	O	|	|	|	|	0.16
260.583	0.00	0.01	0.080	O	|	|	|	|	0.17	265.750	0.00	0.01	0.077	O	|	|	|	|	0.16
260.667	0.00	0.01	0.080	O	|	|	|	|	0.17	265.833	0.00	0.01	0.077	O	|	|	|	|	0.16
260.750	0.00	0.01	0.080	O	|	|	|	|	0.17	265.917	0.00	0.01	0.077	O	|	|	|	|	0.16
260.833	0.00	0.01	0.080	O	|	|	|	|	0.17	266.000	0.00	0.01	0.077	O	|	|	|	|	0.16
260.917	0.00	0.01	0.080	O	|	|	|	|	0.17	266.083	0.00	0.01	0.077	O	|	|	|	|	0.16
261.000	0.00	0.01	0.080	O	|	|	|	|	0.17	266.167	0.00	0.01	0.077	O	|	|	|	|	0.16
261.083	0.00	0.01	0.080	O	|	|	|	|	0.17	266.250	0.00	0.01	0.077	O	|	|	|	|	0.16
261.167	0.00	0.01	0.080	O	|	|	|	|	0.17	266.333	0.00	0.01	0.077	O	|	|	|	|	0.16
261.250	0.00	0.01	0.080	O	|	|	|	|	0.17	266.417	0.00	0.01	0.076	O	|	|	|	|	0.16
261.333	0.00	0.01	0.080	O	|	|	|	|	0.17	266.500	0.00	0.01	0.076	O	|	|	|	|	0.16
261.417	0.00	0.01	0.080	O	|	|	|	|	0.17	266.583	0.00	0.01	0.076	O	|	|	|	|	0.16
261.500	0.00	0.01	0.080	O	|	|	|	|	0.17	266.667	0.00	0.01	0.076	O	|	|	|	|	0.16
261.583	0.00	0.01	0.080	O	|	|	|	|	0.17	266.750	0.00	0.01	0.076	O	|	|	|	|	0.16
261.667	0.00	0.01	0.080	O	|	|	|	|	0.17	266.833	0.00	0.01	0.076	O	|	|	|	|	0.16
261.750	0.00	0.01	0.080	O	|	|	|	|	0.17	266.917	0.00	0.01	0.076	O	|	|	|	|	0.16
261.833	0.00	0.01	0.080	O	|	|	|	|	0.17	267.000	0.00	0.01	0.076	O	|	|	|	|	0.16
261.917	0.00	0.01	0.080	O	|	|	|	|	0.17	267.083	0.00	0.01	0.076	O	|	|	|	|	0.16
262.000	0.00	0.01	0.079	O	|	|	|	|	0.17	267.167	0.00	0.01	0.076	O	|	|	|	|	0.16
262.083	0.00	0.01	0.079	O	|	|	|	|	0.17	267.250	0.00	0.01	0.076	O	|	|	|	|	0.16
262.167	0.00	0.01	0.079	O	|	|	|	|	0.17	267.333	0.00	0.01	0.076	O	|	|	|	|	0.16
262.250	0.00	0.01	0.079	O	|	|	|	|	0.17	267.417	0.00	0.01	0.076	O	|	|	|	|	0.16
262.333	0.00	0.01	0.079	O	|	|	|	|	0.17	267.500	0.00	0.01	0.076	O	|	|	|	|	0.16
262.417	0.00	0.01	0.079	O	|	|	|	|	0.17	267.583	0.00	0.01	0.076	O	|	|	|	|	0.16

267.667	0.00	0.01	0.076	O	|	|	|	|	0.16	272.833	0.00	0.01	0.072	O	|	|	|	|	0.15
267.750	0.00	0.01	0.076	O	|	|	|	|	0.16	272.917	0.00	0.01	0.072	O	|	|	|	|	0.15
267.833	0.00	0.01	0.076	O	|	|	|	|	0.16	273.000	0.00	0.01	0.072	O	|	|	|	|	0.15
267.917	0.00	0.01	0.075	O	|	|	|	|	0.16	273.083	0.00	0.01	0.072	O	|	|	|	|	0.15
268.000	0.00	0.01	0.075	O	|	|	|	|	0.16	273.167	0.00	0.01	0.072	O	|	|	|	|	0.15
268.083	0.00	0.01	0.075	O	|	|	|	|	0.16	273.250	0.00	0.01	0.072	O	|	|	|	|	0.15
268.167	0.00	0.01	0.075	O	|	|	|	|	0.16	273.333	0.00	0.01	0.072	O	|	|	|	|	0.15
268.250	0.00	0.01	0.075	O	|	|	|	|	0.16	273.417	0.00	0.01	0.072	O	|	|	|	|	0.15
268.333	0.00	0.01	0.075	O	|	|	|	|	0.16	273.500	0.00	0.01	0.072	O	|	|	|	|	0.15
268.417	0.00	0.01	0.075	O	|	|	|	|	0.16	273.583	0.00	0.01	0.072	O	|	|	|	|	0.15
268.500	0.00	0.01	0.075	O	|	|	|	|	0.16	273.667	0.00	0.01	0.072	O	|	|	|	|	0.15
268.583	0.00	0.01	0.075	O	|	|	|	|	0.16	273.750	0.00	0.01	0.072	O	|	|	|	|	0.15
268.667	0.00	0.01	0.075	O	|	|	|	|	0.16	273.833	0.00	0.01	0.072	O	|	|	|	|	0.15
268.750	0.00	0.01	0.075	O	|	|	|	|	0.16	273.917	0.00	0.01	0.072	O	|	|	|	|	0.15
268.833	0.00	0.01	0.075	O	|	|	|	|	0.16	274.000	0.00	0.01	0.072	O	|	|	|	|	0.15
268.917	0.00	0.01	0.075	O	|	|	|	|	0.16	274.083	0.00	0.01	0.072	O	|	|	|	|	0.15
269.000	0.00	0.01	0.075	O	|	|	|	|	0.16	274.167	0.00	0.01	0.071	O	|	|	|	|	0.15
269.083	0.00	0.01	0.075	O	|	|	|	|	0.16	274.250	0.00	0.01	0.071	O	|	|	|	|	0.15
269.167	0.00	0.01	0.075	O	|	|	|	|	0.16	274.333	0.00	0.01	0.071	O	|	|	|	|	0.15
269.250	0.00	0.01	0.075	O	|	|	|	|	0.16	274.417	0.00	0.01	0.071	O	|	|	|	|	0.15
269.333	0.00	0.01	0.075	O	|	|	|	|	0.16	274.500	0.00	0.01	0.071	O	|	|	|	|	0.15
269.417	0.00	0.01	0.075	O	|	|	|	|	0.16	274.583	0.00	0.01	0.071	O	|	|	|	|	0.15
269.500	0.00	0.01	0.074	O	|	|	|	|	0.16	274.667	0.00	0.01	0.071	O	|	|	|	|	0.15
269.583	0.00	0.01	0.074	O	|	|	|	|	0.16	274.750	0.00	0.01	0.071	O	|	|	|	|	0.15
269.667	0.00	0.01	0.074	O	|	|	|	|	0.16	274.833	0.00	0.01	0.071	O	|	|	|	|	0.15
269.750	0.00	0.01	0.074	O	|	|	|	|	0.16	274.917	0.00	0.01	0.071	O	|	|	|	|	0.15
269.833	0.00	0.01	0.074	O	|	|	|	|	0.16	275.000	0.00	0.01	0.071	O	|	|	|	|	0.15
269.917	0.00	0.01	0.074	O	|	|	|	|	0.16	275.083	0.00	0.01	0.071	O	|	|	|	|	0.15
270.000	0.00	0.01	0.074	O	|	|	|	|	0.16	275.167	0.00	0.01	0.071	O	|	|	|	|	0.15
270.083	0.00	0.01	0.074	O	|	|	|	|	0.16	275.250	0.00	0.01	0.071	O	|	|	|	|	0.15
270.167	0.00	0.01	0.074	O	|	|	|	|	0.16	275.333	0.00	0.01	0.071	O	|	|	|	|	0.15
270.250	0.00	0.01	0.074	O	|	|	|	|	0.16	275.417	0.00	0.01	0.071	O	|	|	|	|	0.15
270.333	0.00	0.01	0.074	O	|	|	|	|	0.16	275.500	0.00	0.01	0.071	O	|	|	|	|	0.15
270.417	0.00	0.01	0.074	O	|	|	|	|	0.16	275.583	0.00	0.01	0.071	O	|	|	|	|	0.15
270.500	0.00	0.01	0.074	O	|	|	|	|	0.16	275.667	0.00	0.01	0.071	O	|	|	|	|	0.15
270.583	0.00	0.01	0.074	O	|	|	|	|	0.16	275.750	0.00	0.01	0.071	O	|	|	|	|	0.15
270.667	0.00	0.01	0.074	O	|	|	|	|	0.16	275.833	0.00	0.01	0.070	O	|	|	|	|	0.15
270.750	0.00	0.01	0.074	O	|	|	|	|	0.16	275.917	0.00	0.01	0.070	O	|	|	|	|	0.15
270.833	0.00	0.01	0.074	O	|	|	|	|	0.16	276.000	0.00	0.01	0.070	O	|	|	|	|	0.15
270.917	0.00	0.01	0.074	O	|	|	|	|	0.16	276.083	0.00	0.01	0.070	O	|	|	|	|	0.15
271.000	0.00	0.01	0.073	O	|	|	|	|	0.16	276.167	0.00	0.01	0.070	O	|	|	|	|	0.15
271.083	0.00	0.01	0.073	O	|	|	|	|	0.15	276.250	0.00	0.01	0.070	O	|	|	|	|	0.15
271.167	0.00	0.01	0.073	O	|	|	|	|	0.15	276.333	0.00	0.01	0.070	O	|	|	|	|	0.15
271.250	0.00	0.01	0.073	O	|	|	|	|	0.15	276.417	0.00	0.01	0.070	O	|	|	|	|	0.15
271.333	0.00	0.01	0.073	O	|	|	|	|	0.15	276.500	0.00	0.01	0.070	O	|	|	|	|	0.15
271.417	0.00	0.01	0.073	O	|	|	|	|	0.15	276.583	0.00	0.01	0.070	O	|	|	|	|	0.15
271.500	0.00	0.01	0.073	O	|	|	|	|	0.15	276.667	0.00	0.01	0.070	O	|	|	|	|	0.15
271.583	0.00	0.01	0.073	O	|	|	|	|	0.15	276.750	0.00	0.01	0.070	O	|	|	|	|	0.15
271.667	0.00	0.01	0.073	O	|	|	|	|	0.15	276.833	0.00	0.01	0.070	O	|	|	|	|	0.15
271.750	0.00	0.01	0.073	O	|	|	|	|	0.15	276.917	0.00	0.01	0.070	O	|	|	|	|	0.15
271.833	0.00	0.01	0.073	O	|	|	|	|	0.15	277.000	0.00	0.01	0.070	O	|	|	|	|	0.15
271.917	0.00	0.01	0.073	O	|	|	|	|	0.15	277.083	0.00	0.01	0.070	O	|	|	|	|	0.15
272.000	0.00	0.01	0.073	O	|	|	|	|	0.15	277.167	0.00	0.01	0.070	O	|	|	|	|	0.15
272.083	0.00	0.01	0.073	O	|	|	|	|	0.15	277.250	0.00	0.01	0.070	O	|	|	|	|	0.15
272.167	0.00	0.01	0.073	O	|	|	|	|	0.15	277.333	0.00	0.01	0.070	O	|	|	|	|	0.15
272.250	0.00	0.01	0.073	O	|	|	|	|	0.15	277.417	0.00	0.01	0.069	O	|	|	|	|	0.15
272.333	0.00	0.01	0.073	O	|	|	|	|	0.15	277.500	0.00	0.01	0.069	O	|	|	|	|	0.15
272.417	0.00	0.01	0.073	O	|	|	|	|	0.15	277.583	0.00	0.01	0.069	O	|	|	|	|	0.15
272.500	0.00	0.01	0.073	O	|	|	|	|	0.15	277.667	0.00	0.01	0.069	O	|	|	|	|	0.15
272.583	0.00	0.01	0.072	O	|	|	|	|	0.15	277.750	0.00	0.01	0.069	O	|	|	|	|	0.15
272.667	0.00	0.01	0.072	O	|	|	|	|	0.15	277.833	0.00	0.01	0.069	O	|	|	|	|	0.15
272.750	0.00	0.01	0.072	O	|	|	|	|	0.15	277.917	0.00	0.01	0.069	O	|	|	|	|	0.15

278.000	0.00	0.01	0.069	O	|	|	|	|	0.15	283.167	0.00	0.01	0.066	O	|	|	|	|	0.14
278.083	0.00	0.01	0.069	O	|	|	|	|	0.15	283.250	0.00	0.01	0.066	O	|	|	|	|	0.14
278.167	0.00	0.01	0.069	O	|	|	|	|	0.15	283.333	0.00	0.01	0.066	O	|	|	|	|	0.14
278.250	0.00	0.01	0.069	O	|	|	|	|	0.15	283.417	0.00	0.01	0.066	O	|	|	|	|	0.14
278.333	0.00	0.01	0.069	O	|	|	|	|	0.15	283.500	0.00	0.01	0.066	O	|	|	|	|	0.14
278.417	0.00	0.01	0.069	O	|	|	|	|	0.15	283.583	0.00	0.01	0.066	O	|	|	|	|	0.14
278.500	0.00	0.01	0.069	O	|	|	|	|	0.15	283.667	0.00	0.01	0.066	O	|	|	|	|	0.14
278.583	0.00	0.01	0.069	O	|	|	|	|	0.15	283.750	0.00	0.01	0.066	O	|	|	|	|	0.14
278.667	0.00	0.01	0.069	O	|	|	|	|	0.15	283.833	0.00	0.01	0.066	O	|	|	|	|	0.14
278.750	0.00	0.01	0.069	O	|	|	|	|	0.14	283.917	0.00	0.01	0.066	O	|	|	|	|	0.14
278.833	0.00	0.01	0.069	O	|	|	|	|	0.14	284.000	0.00	0.01	0.066	O	|	|	|	|	0.14
278.917	0.00	0.01	0.069	O	|	|	|	|	0.14	284.083	0.00	0.01	0.066	O	|	|	|	|	0.14
279.000	0.00	0.01	0.069	O	|	|	|	|	0.14	284.167	0.00	0.01	0.066	O	|	|	|	|	0.14
279.083	0.00	0.01	0.068	O	|	|	|	|	0.14	284.250	0.00	0.01	0.065	O	|	|	|	|	0.14
279.167	0.00	0.01	0.068	O	|	|	|	|	0.14	284.333	0.00	0.01	0.065	O	|	|	|	|	0.14
279.250	0.00	0.01	0.068	O	|	|	|	|	0.14	284.417	0.00	0.01	0.065	O	|	|	|	|	0.14
279.333	0.00	0.01	0.068	O	|	|	|	|	0.14	284.500	0.00	0.01	0.065	O	|	|	|	|	0.14
279.417	0.00	0.01	0.068	O	|	|	|	|	0.14	284.583	0.00	0.01	0.065	O	|	|	|	|	0.14
279.500	0.00	0.01	0.068	O	|	|	|	|	0.14	284.667	0.00	0.01	0.065	O	|	|	|	|	0.14
279.583	0.00	0.01	0.068	O	|	|	|	|	0.14	284.750	0.00	0.01	0.065	O	|	|	|	|	0.14
279.667	0.00	0.01	0.068	O	|	|	|	|	0.14	284.833	0.00	0.01	0.065	O	|	|	|	|	0.14
279.750	0.00	0.01	0.068	O	|	|	|	|	0.14	284.917	0.00	0.01	0.065	O	|	|	|	|	0.14
279.833	0.00	0.01	0.068	O	|	|	|	|	0.14	285.000	0.00	0.01	0.065	O	|	|	|	|	0.14
279.917	0.00	0.01	0.068	O	|	|	|	|	0.14	285.083	0.00	0.01	0.065	O	|	|	|	|	0.14
280.000	0.00	0.01	0.068	O	|	|	|	|	0.14	285.167	0.00	0.01	0.065	O	|	|	|	|	0.14
280.083	0.00	0.01	0.068	O	|	|	|	|	0.14	285.250	0.00	0.01	0.065	O	|	|	|	|	0.14
280.167	0.00	0.01	0.068	O	|	|	|	|	0.14	285.333	0.00	0.01	0.065	O	|	|	|	|	0.14
280.250	0.00	0.01	0.068	O	|	|	|	|	0.14	285.417	0.00	0.01	0.065	O	|	|	|	|	0.14
280.333	0.00	0.01	0.068	O	|	|	|	|	0.14	285.500	0.00	0.01	0.065	O	|	|	|	|	0.14
280.417	0.00	0.01	0.068	O	|	|	|	|	0.14	285.583	0.00	0.01	0.065	O	|	|	|	|	0.14
280.500	0.00	0.01	0.068	O	|	|	|	|	0.14	285.667	0.00	0.01	0.065	O	|	|	|	|	0.14
280.583	0.00	0.01	0.068	O	|	|	|	|	0.14	285.750	0.00	0.01	0.065	O	|	|	|	|	0.14
280.667	0.00	0.01	0.068	O	|	|	|	|	0.14	285.833	0.00	0.01	0.065	O	|	|	|	|	0.14
280.750	0.00	0.01	0.068	O	|	|	|	|	0.14	285.917	0.00	0.01	0.065	O	|	|	|	|	0.14
280.833	0.00	0.01	0.067	O	|	|	|	|	0.14	286.000	0.00	0.01	0.064	O	|	|	|	|	0.14
280.917	0.00	0.01	0.067	O	|	|	|	|	0.14	286.083	0.00	0.01	0.064	O	|	|	|	|	0.14
281.000	0.00	0.01	0.067	O	|	|	|	|	0.14	286.167	0.00	0.01	0.064	O	|	|	|	|	0.14
281.083	0.00	0.01	0.067	O	|	|	|	|	0.14	286.250	0.00	0.01	0.064	O	|	|	|	|	0.14
281.167	0.00	0.01	0.067	O	|	|	|	|	0.14	286.333	0.00	0.01	0.064	O	|	|	|	|	0.14
281.250	0.00	0.01	0.067	O	|	|	|	|	0.14	286.417	0.00	0.01	0.064	O	|	|	|	|	0.14
281.333	0.00	0.01	0.067	O	|	|	|	|	0.14	286.500	0.00	0.01	0.064	O	|	|	|	|	0.14
281.417	0.00	0.01	0.067	O	|	|	|	|	0.14	286.583	0.00	0.01	0.064	O	|	|	|	|	0.14
281.500	0.00	0.01	0.067	O	|	|	|	|	0.14	286.667	0.00	0.01	0.064	O	|	|	|	|	0.14
281.583	0.00	0.01	0.067	O	|	|	|	|	0.14	286.750	0.00	0.01	0.064	O	|	|	|	|	0.14
281.667	0.00	0.01	0.067	O	|	|	|	|	0.14	286.833	0.00	0.01	0.064	O	|	|	|	|	0.14
281.750	0.00	0.01	0.067	O	|	|	|	|	0.14	286.917	0.00	0.01	0.064	O	|	|	|	|	0.13
281.833	0.00	0.01	0.067	O	|	|	|	|	0.14	287.000	0.00	0.01	0.064	O	|	|	|	|	0.13
281.917	0.00	0.01	0.067	O	|	|	|	|	0.14	287.083	0.00	0.01	0.064	O	|	|	|	|	0.13
282.000	0.00	0.01	0.067	O	|	|	|	|	0.14	287.167	0.00	0.01	0.064	O	|	|	|	|	0.13
282.083	0.00	0.01	0.067	O	|	|	|	|	0.14	287.250	0.00	0.01	0.064	O	|	|	|	|	0.13
282.167	0.00	0.01	0.067	O	|	|	|	|	0.14	287.333	0.00	0.01	0.064	O	|	|	|	|	0.13
282.250	0.00	0.01	0.067	O	|	|	|	|	0.14	287.417	0.00	0.01	0.064	O	|	|	|	|	0.13
282.333	0.00	0.01	0.067	O	|	|	|	|	0.14	287.500	0.00	0.01	0.064	O	|	|	|	|	0.13
282.417	0.00	0.01	0.067	O	|	|	|	|	0.14	287.583	0.00	0.01	0.064	O	|	|	|	|	0.13
282.500	0.00	0.01	0.066	O	|	|	|	|	0.14	287.667	0.00	0.01	0.064	O	|	|	|	|	0.13
282.583	0.00	0.01	0.066	O	|	|	|	|	0.14	287.750	0.00	0.01	0.064	O	|	|	|	|	0.13
282.667	0.00	0.01	0.066	O	|	|	|	|	0.14	287.833	0.00	0.01	0.063	O	|	|	|	|	0.13
282.750	0.00	0.01	0.066	O	|	|	|	|	0.14	287.917	0.00	0.01	0.063	O	|	|	|	|	0.13
282.833	0.00	0.01	0.066	O	|	|	|	|	0.14	288.000	0.00	0.01	0.063	O	|	|	|	|	0.13
282.917	0.00	0.01	0.066	O	|	|	|	|	0.14	288.083	0.00	0.01	0.063	O	|	|	|	|	0.13
283.000	0.00	0.01	0.066	O	|	|	|	|	0.14	288.167	0.00	0.01	0.063	O	|	|	|	|	0.13
283.083	0.00	0.01	0.066	O	|	|	|	|	0.14	288.250	0.00	0.01	0.063	O	|	|	|	|	0.13

288.333	0.00	0.01	0.063	O	|	|	|	|	0.13	293.500	0.00	0.01	0.060	O	|	|	|	|	0.13
288.417	0.00	0.01	0.063	O	|	|	|	|	0.13	293.583	0.00	0.01	0.060	O	|	|	|	|	0.13
288.500	0.00	0.01	0.063	O	|	|	|	|	0.13	293.667	0.00	0.01	0.060	O	|	|	|	|	0.13
288.583	0.00	0.01	0.063	O	|	|	|	|	0.13	293.750	0.00	0.01	0.060	O	|	|	|	|	0.13
288.667	0.00	0.01	0.063	O	|	|	|	|	0.13	293.833	0.00	0.01	0.060	O	|	|	|	|	0.13
288.750	0.00	0.01	0.063	O	|	|	|	|	0.13	293.917	0.00	0.01	0.060	O	|	|	|	|	0.13
288.833	0.00	0.01	0.063	O	|	|	|	|	0.13	294.000	0.00	0.01	0.060	O	|	|	|	|	0.13
288.917	0.00	0.01	0.063	O	|	|	|	|	0.13	294.083	0.00	0.01	0.060	O	|	|	|	|	0.13
289.000	0.00	0.01	0.063	O	|	|	|	|	0.13	294.167	0.00	0.01	0.060	O	|	|	|	|	0.13
289.083	0.00	0.01	0.063	O	|	|	|	|	0.13	294.250	0.00	0.01	0.060	O	|	|	|	|	0.13
289.167	0.00	0.01	0.063	O	|	|	|	|	0.13	294.333	0.00	0.01	0.060	O	|	|	|	|	0.13
289.250	0.00	0.01	0.063	O	|	|	|	|	0.13	294.417	0.00	0.01	0.060	O	|	|	|	|	0.13
289.333	0.00	0.01	0.063	O	|	|	|	|	0.13	294.500	0.00	0.01	0.060	O	|	|	|	|	0.13
289.417	0.00	0.01	0.063	O	|	|	|	|	0.13	294.583	0.00	0.01	0.060	O	|	|	|	|	0.13
289.500	0.00	0.01	0.063	O	|	|	|	|	0.13	294.667	0.00	0.01	0.060	O	|	|	|	|	0.13
289.583	0.00	0.01	0.062	O	|	|	|	|	0.13	294.750	0.00	0.01	0.060	O	|	|	|	|	0.13
289.667	0.00	0.01	0.062	O	|	|	|	|	0.13	294.833	0.00	0.01	0.060	O	|	|	|	|	0.13
289.750	0.00	0.01	0.062	O	|	|	|	|	0.13	294.917	0.00	0.01	0.060	O	|	|	|	|	0.13
289.833	0.00	0.01	0.062	O	|	|	|	|	0.13	295.000	0.00	0.01	0.060	O	|	|	|	|	0.13
289.917	0.00	0.01	0.062	O	|	|	|	|	0.13	295.083	0.00	0.01	0.060	O	|	|	|	|	0.13
290.000	0.00	0.01	0.062	O	|	|	|	|	0.13	295.167	0.00	0.01	0.060	O	|	|	|	|	0.13
290.083	0.00	0.01	0.062	O	|	|	|	|	0.13	295.250	0.00	0.01	0.059	O	|	|	|	|	0.13
290.167	0.00	0.01	0.062	O	|	|	|	|	0.13	295.333	0.00	0.01	0.059	O	|	|	|	|	0.13
290.250	0.00	0.01	0.062	O	|	|	|	|	0.13	295.417	0.00	0.01	0.059	O	|	|	|	|	0.13
290.333	0.00	0.01	0.062	O	|	|	|	|	0.13	295.500	0.00	0.01	0.059	O	|	|	|	|	0.13
290.417	0.00	0.01	0.062	O	|	|	|	|	0.13	295.583	0.00	0.01	0.059	O	|	|	|	|	0.13
290.500	0.00	0.01	0.062	O	|	|	|	|	0.13	295.667	0.00	0.01	0.059	O	|	|	|	|	0.13
290.583	0.00	0.01	0.062	O	|	|	|	|	0.13	295.750	0.00	0.01	0.059	O	|	|	|	|	0.12
290.667	0.00	0.01	0.062	O	|	|	|	|	0.13	295.833	0.00	0.01	0.059	O	|	|	|	|	0.12
290.750	0.00	0.01	0.062	O	|	|	|	|	0.13	295.917	0.00	0.01	0.059	O	|	|	|	|	0.12
290.833	0.00	0.01	0.062	O	|	|	|	|	0.13	296.000	0.00	0.01	0.059	O	|	|	|	|	0.12
290.917	0.00	0.01	0.062	O	|	|	|	|	0.13	296.083	0.00	0.01	0.059	O	|	|	|	|	0.12
291.000	0.00	0.01	0.062	O	|	|	|	|	0.13	296.167	0.00	0.01	0.059	O	|	|	|	|	0.12
291.083	0.00	0.01	0.062	O	|	|	|	|	0.13	296.250	0.00	0.01	0.059	O	|	|	|	|	0.12
291.167	0.00	0.01	0.062	O	|	|	|	|	0.13	296.333	0.00	0.01	0.059	O	|	|	|	|	0.12
291.250	0.00	0.01	0.062	O	|	|	|	|	0.13	296.417	0.00	0.01	0.059	O	|	|	|	|	0.12
291.333	0.00	0.01	0.062	O	|	|	|	|	0.13	296.500	0.00	0.01	0.059	O	|	|	|	|	0.12
291.417	0.00	0.01	0.062	O	|	|	|	|	0.13	296.583	0.00	0.01	0.059	O	|	|	|	|	0.12
291.500	0.00	0.01	0.061	O	|	|	|	|	0.13	296.667	0.00	0.01	0.059	O	|	|	|	|	0.12
291.583	0.00	0.01	0.061	O	|	|	|	|	0.13	296.750	0.00	0.01	0.059	O	|	|	|	|	0.12
291.667	0.00	0.01	0.061	O	|	|	|	|	0.13	296.833	0.00	0.01	0.059	O	|	|	|	|	0.12
291.750	0.00	0.01	0.061	O	|	|	|	|	0.13	296.917	0.00	0.01	0.059	O	|	|	|	|	0.12
291.833	0.00	0.01	0.061	O	|	|	|	|	0.13	297.000	0.00	0.01	0.059	O	|	|	|	|	0.12
291.917	0.00	0.01	0.061	O	|	|	|	|	0.13	297.083	0.00	0.01	0.059	O	|	|	|	|	0.12
292.000	0.00	0.01	0.061	O	|	|	|	|	0.13	297.167	0.00	0.01	0.059	O	|	|	|	|	0.12
292.083	0.00	0.01	0.061	O	|	|	|	|	0.13	297.250	0.00	0.01	0.058	O	|	|	|	|	0.12
292.167	0.00	0.01	0.061	O	|	|	|	|	0.13	297.333	0.00	0.01	0.058	O	|	|	|	|	0.12
292.250	0.00	0.01	0.061	O	|	|	|	|	0.13	297.417	0.00	0.01	0.058	O	|	|	|	|	0.12
292.333	0.00	0.01	0.061	O	|	|	|	|	0.13	297.500	0.00	0.01	0.058	O	|	|	|	|	0.12
292.417	0.00	0.01	0.061	O	|	|	|	|	0.13	297.583	0.00	0.01	0.058	O	|	|	|	|	0.12
292.500	0.00	0.01	0.061	O	|	|	|	|	0.13	297.667	0.00	0.01	0.058	O	|	|	|	|	0.12
292.583	0.00	0.01	0.061	O	|	|	|	|	0.13	297.750	0.00	0.01	0.058	O	|	|	|	|	0.12
292.667	0.00	0.01	0.061	O	|	|	|	|	0.13	297.833	0.00	0.01	0.058	O	|	|	|	|	0.12
292.750	0.00	0.01	0.061	O	|	|	|	|	0.13	297.917	0.00	0.01	0.058	O	|	|	|	|	0.12
292.833	0.00	0.01	0.061	O	|	|	|	|	0.13	298.000	0.00	0.01	0.058	O	|	|	|	|	0.12
292.917	0.00	0.01	0.061	O	|	|	|	|	0.13	298.083	0.00	0.01	0.058	O	|	|	|	|	0.12
293.000	0.00	0.01	0.061	O	|	|	|	|	0.13	298.167	0.00	0.01	0.058	O	|	|	|	|	0.12
293.083	0.00	0.01	0.061	O	|	|	|	|	0.13	298.250	0.00	0.01	0.058	O	|	|	|	|	0.12
293.167	0.00	0.01	0.061	O	|	|	|	|	0.13	298.333	0.00	0.01	0.058	O	|	|	|	|	0.12
293.250	0.00	0.01	0.061	O	|	|	|	|	0.13	298.417	0.00	0.01	0.058	O	|	|	|	|	0.12
293.333	0.00	0.01	0.060	O	|	|	|	|	0.13	298.500	0.00	0.01	0.058	O	|	|	|	|	0.12
293.417	0.00	0.01	0.060	O	|	|	|	|	0.13	298.583	0.00	0.01	0.058	O	|	|	|	|	0.12

298.667	0.00	0.01	0.058	O	|	|	|	|	0.12	303.833	0.00	0.01	0.055	O	|	|	|	|	0.12
298.750	0.00	0.01	0.058	O	|	|	|	|	0.12	303.917	0.00	0.01	0.055	O	|	|	|	|	0.12
298.833	0.00	0.01	0.058	O	|	|	|	|	0.12	304.000	0.00	0.01	0.055	O	|	|	|	|	0.12
298.917	0.00	0.01	0.058	O	|	|	|	|	0.12	304.083	0.00	0.01	0.055	O	|	|	|	|	0.12
299.000	0.00	0.01	0.058	O	|	|	|	|	0.12	304.167	0.00	0.01	0.055	O	|	|	|	|	0.12
299.083	0.00	0.01	0.058	O	|	|	|	|	0.12	304.250	0.00	0.01	0.055	O	|	|	|	|	0.12
299.167	0.00	0.01	0.057	O	|	|	|	|	0.12	304.333	0.00	0.01	0.055	O	|	|	|	|	0.12
299.250	0.00	0.01	0.057	O	|	|	|	|	0.12	304.417	0.00	0.01	0.055	O	|	|	|	|	0.12
299.333	0.00	0.01	0.057	O	|	|	|	|	0.12	304.500	0.00	0.01	0.055	O	|	|	|	|	0.12
299.417	0.00	0.01	0.057	O	|	|	|	|	0.12	304.583	0.00	0.01	0.055	O	|	|	|	|	0.12
299.500	0.00	0.01	0.057	O	|	|	|	|	0.12	304.667	0.00	0.01	0.055	O	|	|	|	|	0.12
299.583	0.00	0.01	0.057	O	|	|	|	|	0.12	304.750	0.00	0.01	0.055	O	|	|	|	|	0.12
299.667	0.00	0.01	0.057	O	|	|	|	|	0.12	304.833	0.00	0.01	0.055	O	|	|	|	|	0.12
299.750	0.00	0.01	0.057	O	|	|	|	|	0.12	304.917	0.00	0.01	0.055	O	|	|	|	|	0.12
299.833	0.00	0.01	0.057	O	|	|	|	|	0.12	305.000	0.00	0.01	0.055	O	|	|	|	|	0.12
299.917	0.00	0.01	0.057	O	|	|	|	|	0.12	305.083	0.00	0.01	0.055	O	|	|	|	|	0.12
300.000	0.00	0.01	0.057	O	|	|	|	|	0.12	305.167	0.00	0.01	0.055	O	|	|	|	|	0.12
300.083	0.00	0.01	0.057	O	|	|	|	|	0.12	305.250	0.00	0.01	0.055	O	|	|	|	|	0.12
300.167	0.00	0.01	0.057	O	|	|	|	|	0.12	305.333	0.00	0.01	0.054	O	|	|	|	|	0.11
300.250	0.00	0.01	0.057	O	|	|	|	|	0.12	305.417	0.00	0.01	0.054	O	|	|	|	|	0.11
300.333	0.00	0.01	0.057	O	|	|	|	|	0.12	305.500	0.00	0.01	0.054	O	|	|	|	|	0.11
300.417	0.00	0.01	0.057	O	|	|	|	|	0.12	305.583	0.00	0.01	0.054	O	|	|	|	|	0.11
300.500	0.00	0.01	0.057	O	|	|	|	|	0.12	305.667	0.00	0.01	0.054	O	|	|	|	|	0.11
300.583	0.00	0.01	0.057	O	|	|	|	|	0.12	305.750	0.00	0.01	0.054	O	|	|	|	|	0.11
300.667	0.00	0.01	0.057	O	|	|	|	|	0.12	305.833	0.00	0.01	0.054	O	|	|	|	|	0.11
300.750	0.00	0.01	0.057	O	|	|	|	|	0.12	305.917	0.00	0.01	0.054	O	|	|	|	|	0.11
300.833	0.00	0.01	0.057	O	|	|	|	|	0.12	306.000	0.00	0.01	0.054	O	|	|	|	|	0.11
300.917	0.00	0.01	0.057	O	|	|	|	|	0.12	306.083	0.00	0.01	0.054	O	|	|	|	|	0.11
301.000	0.00	0.01	0.057	O	|	|	|	|	0.12	306.167	0.00	0.01	0.054	O	|	|	|	|	0.11
301.083	0.00	0.01	0.057	O	|	|	|	|	0.12	306.250	0.00	0.01	0.054	O	|	|	|	|	0.11
301.167	0.00	0.01	0.056	O	|	|	|	|	0.12	306.333	0.00	0.01	0.054	O	|	|	|	|	0.11
301.250	0.00	0.01	0.056	O	|	|	|	|	0.12	306.417	0.00	0.01	0.054	O	|	|	|	|	0.11
301.333	0.00	0.01	0.056	O	|	|	|	|	0.12	306.500	0.00	0.01	0.054	O	|	|	|	|	0.11
301.417	0.00	0.01	0.056	O	|	|	|	|	0.12	306.583	0.00	0.01	0.054	O	|	|	|	|	0.11
301.500	0.00	0.01	0.056	O	|	|	|	|	0.12	306.667	0.00	0.01	0.054	O	|	|	|	|	0.11
301.583	0.00	0.01	0.056	O	|	|	|	|	0.12	306.750	0.00	0.01	0.054	O	|	|	|	|	0.11
301.667	0.00	0.01	0.056	O	|	|	|	|	0.12	306.833	0.00	0.01	0.054	O	|	|	|	|	0.11
301.750	0.00	0.01	0.056	O	|	|	|	|	0.12	306.917	0.00	0.01	0.054	O	|	|	|	|	0.11
301.833	0.00	0.01	0.056	O	|	|	|	|	0.12	307.000	0.00	0.01	0.054	O	|	|	|	|	0.11
301.917	0.00	0.01	0.056	O	|	|	|	|	0.12	307.083	0.00	0.01	0.054	O	|	|	|	|	0.11
302.000	0.00	0.01	0.056	O	|	|	|	|	0.12	307.167	0.00	0.01	0.054	O	|	|	|	|	0.11
302.083	0.00	0.01	0.056	O	|	|	|	|	0.12	307.250	0.00	0.01	0.054	O	|	|	|	|	0.11
302.167	0.00	0.01	0.056	O	|	|	|	|	0.12	307.333	0.00	0.01	0.054	O	|	|	|	|	0.11
302.250	0.00	0.01	0.056	O	|	|	|	|	0.12	307.417	0.00	0.01	0.054	O	|	|	|	|	0.11
302.333	0.00	0.01	0.056	O	|	|	|	|	0.12	307.500	0.00	0.01	0.053	O	|	|	|	|	0.11
302.417	0.00	0.01	0.056	O	|	|	|	|	0.12	307.583	0.00	0.01	0.053	O	|	|	|	|	0.11
302.500	0.00	0.01	0.056	O	|	|	|	|	0.12	307.667	0.00	0.01	0.053	O	|	|	|	|	0.11
302.583	0.00	0.01	0.056	O	|	|	|	|	0.12	307.750	0.00	0.01	0.053	O	|	|	|	|	0.11
302.667	0.00	0.01	0.056	O	|	|	|	|	0.12	307.833	0.00	0.01	0.053	O	|	|	|	|	0.11
302.750	0.00	0.01	0.056	O	|	|	|	|	0.12	307.917	0.00	0.01	0.053	O	|	|	|	|	0.11
302.833	0.00	0.01	0.056	O	|	|	|	|	0.12	308.000	0.00	0.01	0.053	O	|	|	|	|	0.11
302.917	0.00	0.01	0.056	O	|	|	|	|	0.12	308.083	0.00	0.01	0.053	O	|	|	|	|	0.11
303.000	0.00	0.01	0.056	O	|	|	|	|	0.12	308.167	0.00	0.01	0.053	O	|	|	|	|	0.11
303.083	0.00	0.01	0.056	O	|	|	|	|	0.12	308.250	0.00	0.01	0.053	O	|	|	|	|	0.11
303.167	0.00	0.01	0.056	O	|	|	|	|	0.12	308.333	0.00	0.01	0.053	O	|	|	|	|	0.11
303.250	0.00	0.01	0.055	O	|	|	|	|	0.12	308.417	0.00	0.01	0.053	O	|	|	|	|	0.11
303.333	0.00	0.01	0.055	O	|	|	|	|	0.12	308.500	0.00	0.01	0.053	O	|	|	|	|	0.11
303.417	0.00	0.01	0.055	O	|	|	|	|	0.12	308.583	0.00	0.01	0.053	O	|	|	|	|	0.11
303.500	0.00	0.01	0.055	O	|	|	|	|	0.12	308.667	0.00	0.01	0.053	O	|	|	|	|	0.11
303.583	0.00	0.01	0.055	O	|	|	|	|	0.12	308.750	0.00	0.01	0.053	O	|	|	|	|	0.11
303.667	0.00	0.01	0.055	O	|	|	|	|	0.12	308.833	0.00	0.01	0.053	O	|	|	|	|	0.11
303.750	0.00	0.01	0.055	O	|	|	|	|	0.12	308.917	0.00	0.01	0.053	O	|	|	|	|	0.11

309.000	0.00	0.01	0.053	O	|	|	|	|	0.11	314.167	0.00	0.01	0.050	O	|	|	|	|	0.11
309.083	0.00	0.01	0.053	O	|	|	|	|	0.11	314.250	0.00	0.01	0.050	O	|	|	|	|	0.11
309.167	0.00	0.01	0.053	O	|	|	|	|	0.11	314.333	0.00	0.01	0.050	O	|	|	|	|	0.11
309.250	0.00	0.01	0.053	O	|	|	|	|	0.11	314.417	0.00	0.01	0.050	O	|	|	|	|	0.11
309.333	0.00	0.01	0.053	O	|	|	|	|	0.11	314.500	0.00	0.01	0.050	O	|	|	|	|	0.11
309.417	0.00	0.01	0.053	O	|	|	|	|	0.11	314.583	0.00	0.01	0.050	O	|	|	|	|	0.11
309.500	0.00	0.01	0.053	O	|	|	|	|	0.11	314.667	0.00	0.01	0.050	O	|	|	|	|	0.11
309.583	0.00	0.01	0.052	O	|	|	|	|	0.11	314.750	0.00	0.01	0.050	O	|	|	|	|	0.11
309.667	0.00	0.01	0.052	O	|	|	|	|	0.11	314.833	0.00	0.01	0.050	O	|	|	|	|	0.11
309.750	0.00	0.01	0.052	O	|	|	|	|	0.11	314.917	0.00	0.01	0.050	O	|	|	|	|	0.11
309.833	0.00	0.01	0.052	O	|	|	|	|	0.11	315.000	0.00	0.01	0.050	O	|	|	|	|	0.11
309.917	0.00	0.01	0.052	O	|	|	|	|	0.11	315.083	0.00	0.01	0.050	O	|	|	|	|	0.11
310.000	0.00	0.01	0.052	O	|	|	|	|	0.11	315.167	0.00	0.01	0.050	O	|	|	|	|	0.11
310.083	0.00	0.01	0.052	O	|	|	|	|	0.11	315.250	0.00	0.01	0.050	O	|	|	|	|	0.11
310.167	0.00	0.01	0.052	O	|	|	|	|	0.11	315.333	0.00	0.01	0.050	O	|	|	|	|	0.11
310.250	0.00	0.01	0.052	O	|	|	|	|	0.11	315.417	0.00	0.01	0.050	O	|	|	|	|	0.11
310.333	0.00	0.01	0.052	O	|	|	|	|	0.11	315.500	0.00	0.01	0.050	O	|	|	|	|	0.11
310.417	0.00	0.01	0.052	O	|	|	|	|	0.11	315.583	0.00	0.01	0.050	O	|	|	|	|	0.11
310.500	0.00	0.01	0.052	O	|	|	|	|	0.11	315.667	0.00	0.01	0.050	O	|	|	|	|	0.11
310.583	0.00	0.01	0.052	O	|	|	|	|	0.11	315.750	0.00	0.01	0.050	O	|	|	|	|	0.10
310.667	0.00	0.01	0.052	O	|	|	|	|	0.11	315.833	0.00	0.01	0.050	O	|	|	|	|	0.10
310.750	0.00	0.01	0.052	O	|	|	|	|	0.11	315.917	0.00	0.01	0.050	O	|	|	|	|	0.10
310.833	0.00	0.01	0.052	O	|	|	|	|	0.11	316.000	0.00	0.01	0.050	O	|	|	|	|	0.10
310.917	0.00	0.01	0.052	O	|	|	|	|	0.11	316.083	0.00	0.01	0.050	O	|	|	|	|	0.10
311.000	0.00	0.01	0.052	O	|	|	|	|	0.11	316.167	0.00	0.01	0.050	O	|	|	|	|	0.10
311.083	0.00	0.01	0.052	O	|	|	|	|	0.11	316.250	0.00	0.01	0.050	O	|	|	|	|	0.10
311.167	0.00	0.01	0.052	O	|	|	|	|	0.11	316.333	0.00	0.01	0.049	O	|	|	|	|	0.10
311.250	0.00	0.01	0.052	O	|	|	|	|	0.11	316.417	0.00	0.01	0.049	O	|	|	|	|	0.10
311.333	0.00	0.01	0.052	O	|	|	|	|	0.11	316.500	0.00	0.01	0.049	O	|	|	|	|	0.10
311.417	0.00	0.01	0.052	O	|	|	|	|	0.11	316.583	0.00	0.01	0.049	O	|	|	|	|	0.10
311.500	0.00	0.01	0.052	O	|	|	|	|	0.11	316.667	0.00	0.01	0.049	O	|	|	|	|	0.10
311.583	0.00	0.01	0.052	O	|	|	|	|	0.11	316.750	0.00	0.01	0.049	O	|	|	|	|	0.10
311.667	0.00	0.01	0.052	O	|	|	|	|	0.11	316.833	0.00	0.01	0.049	O	|	|	|	|	0.10
311.750	0.00	0.01	0.052	O	|	|	|	|	0.11	316.917	0.00	0.01	0.049	O	|	|	|	|	0.10
311.833	0.00	0.01	0.051	O	|	|	|	|	0.11	317.000	0.00	0.01	0.049	O	|	|	|	|	0.10
311.917	0.00	0.01	0.051	O	|	|	|	|	0.11	317.083	0.00	0.01	0.049	O	|	|	|	|	0.10
312.000	0.00	0.01	0.051	O	|	|	|	|	0.11	317.167	0.00	0.01	0.049	O	|	|	|	|	0.10
312.083	0.00	0.01	0.051	O	|	|	|	|	0.11	317.250	0.00	0.01	0.049	O	|	|	|	|	0.10
312.167	0.00	0.01	0.051	O	|	|	|	|	0.11	317.333	0.00	0.01	0.049	O	|	|	|	|	0.10
312.250	0.00	0.01	0.051	O	|	|	|	|	0.11	317.417	0.00	0.01	0.049	O	|	|	|	|	0.10
312.333	0.00	0.01	0.051	O	|	|	|	|	0.11	317.500	0.00	0.01	0.049	O	|	|	|	|	0.10
312.417	0.00	0.01	0.051	O	|	|	|	|	0.11	317.583	0.00	0.01	0.049	O	|	|	|	|	0.10
312.500	0.00	0.01	0.051	O	|	|	|	|	0.11	317.667	0.00	0.01	0.049	O	|	|	|	|	0.10
312.583	0.00	0.01	0.051	O	|	|	|	|	0.11	317.750	0.00	0.01	0.049	O	|	|	|	|	0.10
312.667	0.00	0.01	0.051	O	|	|	|	|	0.11	317.833	0.00	0.01	0.049	O	|	|	|	|	0.10
312.750	0.00	0.01	0.051	O	|	|	|	|	0.11	317.917	0.00	0.01	0.049	O	|	|	|	|	0.10
312.833	0.00	0.01	0.051	O	|	|	|	|	0.11	318.000	0.00	0.01	0.049	O	|	|	|	|	0.10
312.917	0.00	0.01	0.051	O	|	|	|	|	0.11	318.083	0.00	0.01	0.049	O	|	|	|	|	0.10
313.000	0.00	0.01	0.051	O	|	|	|	|	0.11	318.167	0.00	0.01	0.049	O	|	|	|	|	0.10
313.083	0.00	0.01	0.051	O	|	|	|	|	0.11	318.250	0.00	0.01	0.049	O	|	|	|	|	0.10
313.167	0.00	0.01	0.051	O	|	|	|	|	0.11	318.333	0.00	0.01	0.049	O	|	|	|	|	0.10
313.250	0.00	0.01	0.051	O	|	|	|	|	0.11	318.417	0.00	0.01	0.049	O	|	|	|	|	0.10
313.333	0.00	0.01	0.051	O	|	|	|	|	0.11	318.500	0.00	0.01	0.049	O	|	|	|	|	0.10
313.417	0.00	0.01	0.051	O	|	|	|	|	0.11	318.583	0.00	0.01	0.049	O	|	|	|	|	0.10
313.500	0.00	0.01	0.051	O	|	|	|	|	0.11	318.667	0.00	0.01	0.049	O	|	|	|	|	0.10
313.583	0.00	0.01	0.051	O	|	|	|	|	0.11	318.750	0.00	0.01	0.048	O	|	|	|	|	0.10
313.667	0.00	0.01	0.051	O	|	|	|	|	0.11	318.833	0.00	0.01	0.048	O	|	|	|	|	0.10
313.750	0.00	0.01	0.051	O	|	|	|	|	0.11	318.917	0.00	0.01	0.048	O	|	|	|	|	0.10
313.833	0.00	0.01	0.051	O	|	|	|	|	0.11	319.000	0.00	0.01	0.048	O	|	|	|	|	0.10
313.917	0.00	0.01	0.051	O	|	|	|	|	0.11	319.083	0.00	0.01	0.048	O	|	|	|	|	0.10
314.000	0.00	0.01	0.051	O	|	|	|	|	0.11	319.167	0.00	0.01	0.048	O	|	|	|	|	0.10
314.083	0.00	0.01	0.050	O	|	|	|	|	0.11	319.250	0.00	0.01	0.048	O	|	|	|	|	0.10

319.333	0.00	0.01	0.048	O	|	|	|	|	0.10	324.500	0.00	0.00	0.046	O	|	|	|	|	0.10
319.417	0.00	0.01	0.048	O	|	|	|	|	0.10	324.583	0.00	0.00	0.046	O	|	|	|	|	0.10
319.500	0.00	0.01	0.048	O	|	|	|	|	0.10	324.667	0.00	0.00	0.046	O	|	|	|	|	0.10
319.583	0.00	0.01	0.048	O	|	|	|	|	0.10	324.750	0.00	0.00	0.046	O	|	|	|	|	0.10
319.667	0.00	0.01	0.048	O	|	|	|	|	0.10	324.833	0.00	0.00	0.046	O	|	|	|	|	0.10
319.750	0.00	0.01	0.048	O	|	|	|	|	0.10	324.917	0.00	0.00	0.046	O	|	|	|	|	0.10
319.833	0.00	0.01	0.048	O	|	|	|	|	0.10	325.000	0.00	0.00	0.046	O	|	|	|	|	0.10
319.917	0.00	0.01	0.048	O	|	|	|	|	0.10	325.083	0.00	0.00	0.046	O	|	|	|	|	0.10
320.000	0.00	0.01	0.048	O	|	|	|	|	0.10	325.167	0.00	0.00	0.046	O	|	|	|	|	0.10
320.083	0.00	0.01	0.048	O	|	|	|	|	0.10	325.250	0.00	0.00	0.046	O	|	|	|	|	0.10
320.167	0.00	0.01	0.048	O	|	|	|	|	0.10	325.333	0.00	0.00	0.046	O	|	|	|	|	0.10
320.250	0.00	0.01	0.048	O	|	|	|	|	0.10	325.417	0.00	0.00	0.046	O	|	|	|	|	0.10
320.333	0.00	0.01	0.048	O	|	|	|	|	0.10	325.500	0.00	0.00	0.046	O	|	|	|	|	0.10
320.417	0.00	0.01	0.048	O	|	|	|	|	0.10	325.583	0.00	0.00	0.046	O	|	|	|	|	0.10
320.500	0.00	0.01	0.048	O	|	|	|	|	0.10	325.667	0.00	0.00	0.046	O	|	|	|	|	0.10
320.583	0.00	0.01	0.048	O	|	|	|	|	0.10	325.750	0.00	0.00	0.046	O	|	|	|	|	0.10
320.667	0.00	0.01	0.048	O	|	|	|	|	0.10	325.833	0.00	0.00	0.046	O	|	|	|	|	0.10
320.750	0.00	0.01	0.048	O	|	|	|	|	0.10	325.917	0.00	0.00	0.046	O	|	|	|	|	0.10
320.833	0.00	0.01	0.048	O	|	|	|	|	0.10	326.000	0.00	0.00	0.045	O	|	|	|	|	0.10
320.917	0.00	0.01	0.048	O	|	|	|	|	0.10	326.083	0.00	0.00	0.045	O	|	|	|	|	0.10
321.000	0.00	0.01	0.048	O	|	|	|	|	0.10	326.167	0.00	0.00	0.045	O	|	|	|	|	0.10
321.083	0.00	0.01	0.047	O	|	|	|	|	0.10	326.250	0.00	0.00	0.045	O	|	|	|	|	0.10
321.167	0.00	0.01	0.047	O	|	|	|	|	0.10	326.333	0.00	0.00	0.045	O	|	|	|	|	0.10
321.250	0.00	0.01	0.047	O	|	|	|	|	0.10	326.417	0.00	0.00	0.045	O	|	|	|	|	0.10
321.333	0.00	0.00	0.047	O	|	|	|	|	0.10	326.500	0.00	0.00	0.045	O	|	|	|	|	0.10
321.417	0.00	0.00	0.047	O	|	|	|	|	0.10	326.583	0.00	0.00	0.045	O	|	|	|	|	0.10
321.500	0.00	0.00	0.047	O	|	|	|	|	0.10	326.667	0.00	0.00	0.045	O	|	|	|	|	0.10
321.583	0.00	0.00	0.047	O	|	|	|	|	0.10	326.750	0.00	0.00	0.045	O	|	|	|	|	0.10
321.667	0.00	0.00	0.047	O	|	|	|	|	0.10	326.833	0.00	0.00	0.045	O	|	|	|	|	0.10
321.750	0.00	0.00	0.047	O	|	|	|	|	0.10	326.917	0.00	0.00	0.045	O	|	|	|	|	0.10
321.833	0.00	0.00	0.047	O	|	|	|	|	0.10	327.000	0.00	0.00	0.045	O	|	|	|	|	0.10
321.917	0.00	0.00	0.047	O	|	|	|	|	0.10	327.083	0.00	0.00	0.045	O	|	|	|	|	0.10
322.000	0.00	0.00	0.047	O	|	|	|	|	0.10	327.167	0.00	0.00	0.045	O	|	|	|	|	0.10
322.083	0.00	0.00	0.047	O	|	|	|	|	0.10	327.250	0.00	0.00	0.045	O	|	|	|	|	0.09
322.167	0.00	0.00	0.047	O	|	|	|	|	0.10	327.333	0.00	0.00	0.045	O	|	|	|	|	0.09
322.250	0.00	0.00	0.047	O	|	|	|	|	0.10	327.417	0.00	0.00	0.045	O	|	|	|	|	0.09
322.333	0.00	0.00	0.047	O	|	|	|	|	0.10	327.500	0.00	0.00	0.045	O	|	|	|	|	0.09
322.417	0.00	0.00	0.047	O	|	|	|	|	0.10	327.583	0.00	0.00	0.045	O	|	|	|	|	0.09
322.500	0.00	0.00	0.047	O	|	|	|	|	0.10	327.667	0.00	0.00	0.045	O	|	|	|	|	0.09
322.583	0.00	0.00	0.047	O	|	|	|	|	0.10	327.750	0.00	0.00	0.045	O	|	|	|	|	0.09
322.667	0.00	0.00	0.047	O	|	|	|	|	0.10	327.833	0.00	0.00	0.045	O	|	|	|	|	0.09
322.750	0.00	0.00	0.047	O	|	|	|	|	0.10	327.917	0.00	0.00	0.045	O	|	|	|	|	0.09
322.833	0.00	0.00	0.047	O	|	|	|	|	0.10	328.000	0.00	0.00	0.045	O	|	|	|	|	0.09
322.917	0.00	0.00	0.047	O	|	|	|	|	0.10	328.083	0.00	0.00	0.045	O	|	|	|	|	0.09
323.000	0.00	0.00	0.047	O	|	|	|	|	0.10	328.167	0.00	0.00	0.045	O	|	|	|	|	0.09
323.083	0.00	0.00	0.047	O	|	|	|	|	0.10	328.250	0.00	0.00	0.045	O	|	|	|	|	0.09
323.167	0.00	0.00	0.047	O	|	|	|	|	0.10	328.333	0.00	0.00	0.045	O	|	|	|	|	0.09
323.250	0.00	0.00	0.047	O	|	|	|	|	0.10	328.417	0.00	0.00	0.045	O	|	|	|	|	0.09
323.333	0.00	0.00	0.047	O	|	|	|	|	0.10	328.500	0.00	0.00	0.045	O	|	|	|	|	0.09
323.417	0.00	0.00	0.047	O	|	|	|	|	0.10	328.583	0.00	0.00	0.044	O	|	|	|	|	0.09
323.500	0.00	0.00	0.047	O	|	|	|	|	0.10	328.667	0.00	0.00	0.044	O	|	|	|	|	0.09
323.583	0.00	0.00	0.046	O	|	|	|	|	0.10	328.750	0.00	0.00	0.044	O	|	|	|	|	0.09
323.667	0.00	0.00	0.046	O	|	|	|	|	0.10	328.833	0.00	0.00	0.044	O	|	|	|	|	0.09
323.750	0.00	0.00	0.046	O	|	|	|	|	0.10	328.917	0.00	0.00	0.044	O	|	|	|	|	0.09
323.833	0.00	0.00	0.046	O	|	|	|	|	0.10	329.000	0.00	0.00	0.044	O	|	|	|	|	0.09
323.917	0.00	0.00	0.046	O	|	|	|	|	0.10	329.083	0.00	0.00	0.044	O	|	|	|	|	0.09
324.000	0.00	0.00	0.046	O	|	|	|	|	0.10	329.167	0.00	0.00	0.044	O	|	|	|	|	0.09
324.083	0.00	0.00	0.046	O	|	|	|	|	0.10	329.250	0.00	0.00	0.044	O	|	|	|	|	0.09
324.167	0.00	0.00	0.046	O	|	|	|	|	0.10	329.333	0.00	0.00	0.044	O	|	|	|	|	0.09
324.250	0.00	0.00	0.046	O	|	|	|	|	0.10	329.417	0.00	0.00	0.044	O	|	|	|	|	0.09
324.333	0.00	0.00	0.046	O	|	|	|	|	0.10	329.500	0.00	0.00	0.044	O	|	|	|	|	0.09
324.417	0.00	0.00	0.046	O	|	|	|	|	0.10	329.583	0.00	0.00	0.044	O	|	|	|	|	0.09

329.667	0.00	0.00	0.044	O	|	|	|	|	0.09	334.833	0.00	0.00	0.042	O	|	|	|	|	0.09
329.750	0.00	0.00	0.044	O	|	|	|	|	0.09	334.917	0.00	0.00	0.042	O	|	|	|	|	0.09
329.833	0.00	0.00	0.044	O	|	|	|	|	0.09	335.000	0.00	0.00	0.042	O	|	|	|	|	0.09
329.917	0.00	0.00	0.044	O	|	|	|	|	0.09	335.083	0.00	0.00	0.042	O	|	|	|	|	0.09
330.000	0.00	0.00	0.044	O	|	|	|	|	0.09	335.167	0.00	0.00	0.042	O	|	|	|	|	0.09
330.083	0.00	0.00	0.044	O	|	|	|	|	0.09	335.250	0.00	0.00	0.042	O	|	|	|	|	0.09
330.167	0.00	0.00	0.044	O	|	|	|	|	0.09	335.333	0.00	0.00	0.042	O	|	|	|	|	0.09
330.250	0.00	0.00	0.044	O	|	|	|	|	0.09	335.417	0.00	0.00	0.042	O	|	|	|	|	0.09
330.333	0.00	0.00	0.044	O	|	|	|	|	0.09	335.500	0.00	0.00	0.042	O	|	|	|	|	0.09
330.417	0.00	0.00	0.044	O	|	|	|	|	0.09	335.583	0.00	0.00	0.042	O	|	|	|	|	0.09
330.500	0.00	0.00	0.044	O	|	|	|	|	0.09	335.667	0.00	0.00	0.042	O	|	|	|	|	0.09
330.583	0.00	0.00	0.044	O	|	|	|	|	0.09	335.750	0.00	0.00	0.042	O	|	|	|	|	0.09
330.667	0.00	0.00	0.044	O	|	|	|	|	0.09	335.833	0.00	0.00	0.042	O	|	|	|	|	0.09
330.750	0.00	0.00	0.044	O	|	|	|	|	0.09	335.917	0.00	0.00	0.042	O	|	|	|	|	0.09
330.833	0.00	0.00	0.044	O	|	|	|	|	0.09	336.000	0.00	0.00	0.042	O	|	|	|	|	0.09
330.917	0.00	0.00	0.044	O	|	|	|	|	0.09	336.083	0.00	0.00	0.042	O	|	|	|	|	0.09
331.000	0.00	0.00	0.044	O	|	|	|	|	0.09	336.167	0.00	0.00	0.042	O	|	|	|	|	0.09
331.083	0.00	0.00	0.044	O	|	|	|	|	0.09	336.250	0.00	0.00	0.042	O	|	|	|	|	0.09
331.167	0.00	0.00	0.043	O	|	|	|	|	0.09	336.333	0.00	0.00	0.042	O	|	|	|	|	0.09
331.250	0.00	0.00	0.043	O	|	|	|	|	0.09	336.417	0.00	0.00	0.042	O	|	|	|	|	0.09
331.333	0.00	0.00	0.043	O	|	|	|	|	0.09	336.500	0.00	0.00	0.042	O	|	|	|	|	0.09
331.417	0.00	0.00	0.043	O	|	|	|	|	0.09	336.583	0.00	0.00	0.041	O	|	|	|	|	0.09
331.500	0.00	0.00	0.043	O	|	|	|	|	0.09	336.667	0.00	0.00	0.041	O	|	|	|	|	0.09
331.583	0.00	0.00	0.043	O	|	|	|	|	0.09	336.750	0.00	0.00	0.041	O	|	|	|	|	0.09
331.667	0.00	0.00	0.043	O	|	|	|	|	0.09	336.833	0.00	0.00	0.041	O	|	|	|	|	0.09
331.750	0.00	0.00	0.043	O	|	|	|	|	0.09	336.917	0.00	0.00	0.041	O	|	|	|	|	0.09
331.833	0.00	0.00	0.043	O	|	|	|	|	0.09	337.000	0.00	0.00	0.041	O	|	|	|	|	0.09
331.917	0.00	0.00	0.043	O	|	|	|	|	0.09	337.083	0.00	0.00	0.041	O	|	|	|	|	0.09
332.000	0.00	0.00	0.043	O	|	|	|	|	0.09	337.167	0.00	0.00	0.041	O	|	|	|	|	0.09
332.083	0.00	0.00	0.043	O	|	|	|	|	0.09	337.250	0.00	0.00	0.041	O	|	|	|	|	0.09
332.167	0.00	0.00	0.043	O	|	|	|	|	0.09	337.333	0.00	0.00	0.041	O	|	|	|	|	0.09
332.250	0.00	0.00	0.043	O	|	|	|	|	0.09	337.417	0.00	0.00	0.041	O	|	|	|	|	0.09
332.333	0.00	0.00	0.043	O	|	|	|	|	0.09	337.500	0.00	0.00	0.041	O	|	|	|	|	0.09
332.417	0.00	0.00	0.043	O	|	|	|	|	0.09	337.583	0.00	0.00	0.041	O	|	|	|	|	0.09
332.500	0.00	0.00	0.043	O	|	|	|	|	0.09	337.667	0.00	0.00	0.041	O	|	|	|	|	0.09
332.583	0.00	0.00	0.043	O	|	|	|	|	0.09	337.750	0.00	0.00	0.041	O	|	|	|	|	0.09
332.667	0.00	0.00	0.043	O	|	|	|	|	0.09	337.833	0.00	0.00	0.041	O	|	|	|	|	0.09
332.750	0.00	0.00	0.043	O	|	|	|	|	0.09	337.917	0.00	0.00	0.041	O	|	|	|	|	0.09
332.833	0.00	0.00	0.043	O	|	|	|	|	0.09	338.000	0.00	0.00	0.041	O	|	|	|	|	0.09
332.917	0.00	0.00	0.043	O	|	|	|	|	0.09	338.083	0.00	0.00	0.041	O	|	|	|	|	0.09
333.000	0.00	0.00	0.043	O	|	|	|	|	0.09	338.167	0.00	0.00	0.041	O	|	|	|	|	0.09
333.083	0.00	0.00	0.043	O	|	|	|	|	0.09	338.250	0.00	0.00	0.041	O	|	|	|	|	0.09
333.167	0.00	0.00	0.043	O	|	|	|	|	0.09	338.333	0.00	0.00	0.041	O	|	|	|	|	0.09
333.250	0.00	0.00	0.043	O	|	|	|	|	0.09	338.417	0.00	0.00	0.041	O	|	|	|	|	0.09
333.333	0.00	0.00	0.043	O	|	|	|	|	0.09	338.500	0.00	0.00	0.041	O	|	|	|	|	0.09
333.417	0.00	0.00	0.043	O	|	|	|	|	0.09	338.583	0.00	0.00	0.041	O	|	|	|	|	0.09
333.500	0.00	0.00	0.043	O	|	|	|	|	0.09	338.667	0.00	0.00	0.041	O	|	|	|	|	0.09
333.583	0.00	0.00	0.043	O	|	|	|	|	0.09	338.750	0.00	0.00	0.041	O	|	|	|	|	0.09
333.667	0.00	0.00	0.043	O	|	|	|	|	0.09	338.833	0.00	0.00	0.041	O	|	|	|	|	0.09
333.750	0.00	0.00	0.043	O	|	|	|	|	0.09	338.917	0.00	0.00	0.041	O	|	|	|	|	0.09
333.833	0.00	0.00	0.042	O	|	|	|	|	0.09	339.000	0.00	0.00	0.041	O	|	|	|	|	0.09
333.917	0.00	0.00	0.042	O	|	|	|	|	0.09	339.083	0.00	0.00	0.041	O	|	|	|	|	0.09
334.000	0.00	0.00	0.042	O	|	|	|	|	0.09	339.167	0.00	0.00	0.041	O	|	|	|	|	0.09
334.083	0.00	0.00	0.042	O	|	|	|	|	0.09	339.250	0.00	0.00	0.041	O	|	|	|	|	0.09
334.167	0.00	0.00	0.042	O	|	|	|	|	0.09	339.333	0.00	0.00	0.041	O	|	|	|	|	0.09
334.250	0.00	0.00	0.042	O	|	|	|	|	0.09	339.417	0.00	0.00	0.040	O	|	|	|	|	0.09
334.333	0.00	0.00	0.042	O	|	|	|	|	0.09	339.500	0.00	0.00	0.040	O	|	|	|	|	0.09
334.417	0.00	0.00	0.042	O	|	|	|	|	0.09	339.583	0.00	0.00	0.040	O	|	|	|	|	0.09
334.500	0.00	0.00	0.042	O	|	|	|	|	0.09	339.667	0.00	0.00	0.040	O	|	|	|	|	0.09
334.583	0.00	0.00	0.042	O	|	|	|	|	0.09	339.750	0.00	0.00	0.040	O	|	|	|	|	0.09
334.667	0.00	0.00	0.042	O	|	|	|	|	0.09	339.833	0.00	0.00	0.040	O	|	|	|	|	0.09
334.750	0.00	0.00	0.042	O	|	|	|	|	0.09	339.917	0.00	0.00	0.040	O	|	|	|	|	0.09

340.000	0.00	0.00	0.040	O	|	|	|	|	0.08	345.167	0.00	0.00	0.038	O	|	|	|	|	0.08
340.083	0.00	0.00	0.040	O	|	|	|	|	0.08	345.250	0.00	0.00	0.038	O	|	|	|	|	0.08
340.167	0.00	0.00	0.040	O	|	|	|	|	0.08	345.333	0.00	0.00	0.038	O	|	|	|	|	0.08
340.250	0.00	0.00	0.040	O	|	|	|	|	0.08	345.417	0.00	0.00	0.038	O	|	|	|	|	0.08
340.333	0.00	0.00	0.040	O	|	|	|	|	0.08	345.500	0.00	0.00	0.038	O	|	|	|	|	0.08
340.417	0.00	0.00	0.040	O	|	|	|	|	0.08	345.583	0.00	0.00	0.038	O	|	|	|	|	0.08
340.500	0.00	0.00	0.040	O	|	|	|	|	0.08	345.667	0.00	0.00	0.038	O	|	|	|	|	0.08
340.583	0.00	0.00	0.040	O	|	|	|	|	0.08	345.750	0.00	0.00	0.038	O	|	|	|	|	0.08
340.667	0.00	0.00	0.040	O	|	|	|	|	0.08	345.833	0.00	0.00	0.038	O	|	|	|	|	0.08
340.750	0.00	0.00	0.040	O	|	|	|	|	0.08	345.917	0.00	0.00	0.038	O	|	|	|	|	0.08
340.833	0.00	0.00	0.040	O	|	|	|	|	0.08	346.000	0.00	0.00	0.038	O	|	|	|	|	0.08
340.917	0.00	0.00	0.040	O	|	|	|	|	0.08	346.083	0.00	0.00	0.038	O	|	|	|	|	0.08
341.000	0.00	0.00	0.040	O	|	|	|	|	0.08	346.167	0.00	0.00	0.038	O	|	|	|	|	0.08
341.083	0.00	0.00	0.040	O	|	|	|	|	0.08	346.250	0.00	0.00	0.038	O	|	|	|	|	0.08
341.167	0.00	0.00	0.040	O	|	|	|	|	0.08	346.333	0.00	0.00	0.038	O	|	|	|	|	0.08
341.250	0.00	0.00	0.040	O	|	|	|	|	0.08	346.417	0.00	0.00	0.038	O	|	|	|	|	0.08
341.333	0.00	0.00	0.040	O	|	|	|	|	0.08	346.500	0.00	0.00	0.038	O	|	|	|	|	0.08
341.417	0.00	0.00	0.040	O	|	|	|	|	0.08	346.583	0.00	0.00	0.038	O	|	|	|	|	0.08
341.500	0.00	0.00	0.040	O	|	|	|	|	0.08	346.667	0.00	0.00	0.038	O	|	|	|	|	0.08
341.583	0.00	0.00	0.040	O	|	|	|	|	0.08	346.750	0.00	0.00	0.038	O	|	|	|	|	0.08
341.667	0.00	0.00	0.040	O	|	|	|	|	0.08	346.833	0.00	0.00	0.038	O	|	|	|	|	0.08
341.750	0.00	0.00	0.040	O	|	|	|	|	0.08	346.917	0.00	0.00	0.038	O	|	|	|	|	0.08
341.833	0.00	0.00	0.040	O	|	|	|	|	0.08	347.000	0.00	0.00	0.038	O	|	|	|	|	0.08
341.917	0.00	0.00	0.040	O	|	|	|	|	0.08	347.083	0.00	0.00	0.038	O	|	|	|	|	0.08
342.000	0.00	0.00	0.040	O	|	|	|	|	0.08	347.167	0.00	0.00	0.038	O	|	|	|	|	0.08
342.083	0.00	0.00	0.040	O	|	|	|	|	0.08	347.250	0.00	0.00	0.038	O	|	|	|	|	0.08
342.167	0.00	0.00	0.040	O	|	|	|	|	0.08	347.333	0.00	0.00	0.038	O	|	|	|	|	0.08
342.250	0.00	0.00	0.039	O	|	|	|	|	0.08	347.417	0.00	0.00	0.038	O	|	|	|	|	0.08
342.333	0.00	0.00	0.039	O	|	|	|	|	0.08	347.500	0.00	0.00	0.038	O	|	|	|	|	0.08
342.417	0.00	0.00	0.039	O	|	|	|	|	0.08	347.583	0.00	0.00	0.038	O	|	|	|	|	0.08
342.500	0.00	0.00	0.039	O	|	|	|	|	0.08	347.667	0.00	0.00	0.038	O	|	|	|	|	0.08
342.583	0.00	0.00	0.039	O	|	|	|	|	0.08	347.750	0.00	0.00	0.038	O	|	|	|	|	0.08
342.667	0.00	0.00	0.039	O	|	|	|	|	0.08	347.833	0.00	0.00	0.038	O	|	|	|	|	0.08
342.750	0.00	0.00	0.039	O	|	|	|	|	0.08	347.917	0.00	0.00	0.038	O	|	|	|	|	0.08
342.833	0.00	0.00	0.039	O	|	|	|	|	0.08	348.000	0.00	0.00	0.038	O	|	|	|	|	0.08
342.917	0.00	0.00	0.039	O	|	|	|	|	0.08	348.083	0.00	0.00	0.038	O	|	|	|	|	0.08
343.000	0.00	0.00	0.039	O	|	|	|	|	0.08	348.167	0.00	0.00	0.038	O	|	|	|	|	0.08
343.083	0.00	0.00	0.039	O	|	|	|	|	0.08	348.250	0.00	0.00	0.037	O	|	|	|	|	0.08
343.167	0.00	0.00	0.039	O	|	|	|	|	0.08	348.333	0.00	0.00	0.037	O	|	|	|	|	0.08
343.250	0.00	0.00	0.039	O	|	|	|	|	0.08	348.417	0.00	0.00	0.037	O	|	|	|	|	0.08
343.333	0.00	0.00	0.039	O	|	|	|	|	0.08	348.500	0.00	0.00	0.037	O	|	|	|	|	0.08
343.417	0.00	0.00	0.039	O	|	|	|	|	0.08	348.583	0.00	0.00	0.037	O	|	|	|	|	0.08
343.500	0.00	0.00	0.039	O	|	|	|	|	0.08	348.667	0.00	0.00	0.037	O	|	|	|	|	0.08
343.583	0.00	0.00	0.039	O	|	|	|	|	0.08	348.750	0.00	0.00	0.037	O	|	|	|	|	0.08
343.667	0.00	0.00	0.039	O	|	|	|	|	0.08	348.833	0.00	0.00	0.037	O	|	|	|	|	0.08
343.750	0.00	0.00	0.039	O	|	|	|	|	0.08	348.917	0.00	0.00	0.037	O	|	|	|	|	0.08
343.833	0.00	0.00	0.039	O	|	|	|	|	0.08	349.000	0.00	0.00	0.037	O	|	|	|	|	0.08
343.917	0.00	0.00	0.039	O	|	|	|	|	0.08	349.083	0.00	0.00	0.037	O	|	|	|	|	0.08
344.000	0.00	0.00	0.039	O	|	|	|	|	0.08	349.167	0.00	0.00	0.037	O	|	|	|	|	0.08
344.083	0.00	0.00	0.039	O	|	|	|	|	0.08	349.250	0.00	0.00	0.037	O	|	|	|	|	0.08
344.167	0.00	0.00	0.039	O	|	|	|	|	0.08	349.333	0.00	0.00	0.037	O	|	|	|	|	0.08
344.250	0.00	0.00	0.039	O	|	|	|	|	0.08	349.417	0.00	0.00	0.037	O	|	|	|	|	0.08
344.333	0.00	0.00	0.039	O	|	|	|	|	0.08	349.500	0.00	0.00	0.037	O	|	|	|	|	0.08
344.417	0.00	0.00	0.039	O	|	|	|	|	0.08	349.583	0.00	0.00	0.037	O	|	|	|	|	0.08
344.500	0.00	0.00	0.039	O	|	|	|	|	0.08	349.667	0.00	0.00	0.037	O	|	|	|	|	0.08
344.583	0.00	0.00	0.039	O	|	|	|	|	0.08	349.750	0.00	0.00	0.037	O	|	|	|	|	0.08
344.667	0.00	0.00	0.039	O	|	|	|	|	0.08	349.833	0.00	0.00	0.037	O	|	|	|	|	0.08
344.750	0.00	0.00	0.039	O	|	|	|	|	0.08	349.917	0.00	0.00	0.037	O	|	|	|	|	0.08
344.833	0.00	0.00	0.039	O	|	|	|	|	0.08	350.000	0.00	0.00	0.037	O	|	|	|	|	0.08
344.917	0.00	0.00	0.039	O	|	|	|	|	0.08	350.083	0.00	0.00	0.037	O	|	|	|	|	0.08
345.000	0.00	0.00	0.039	O	|	|	|	|	0.08	350.167	0.00	0.00	0.037	O	|	|	|	|	0.08
345.083	0.00	0.00	0.039	O	|	|	|	|	0.08	350.250	0.00	0.00	0.037	O	|	|	|	|	0.08

350.333	0.00	0.00	0.037	O	|	|	|	|	0.08	355.500	0.00	0.00	0.035	O	|	|	|	|	0.07
350.417	0.00	0.00	0.037	O	|	|	|	|	0.08	355.583	0.00	0.00	0.035	O	|	|	|	|	0.07
350.500	0.00	0.00	0.037	O	|	|	|	|	0.08	355.667	0.00	0.00	0.035	O	|	|	|	|	0.07
350.583	0.00	0.00	0.037	O	|	|	|	|	0.08	355.750	0.00	0.00	0.035	O	|	|	|	|	0.07
350.667	0.00	0.00	0.037	O	|	|	|	|	0.08	355.833	0.00	0.00	0.035	O	|	|	|	|	0.07
350.750	0.00	0.00	0.037	O	|	|	|	|	0.08	355.917	0.00	0.00	0.035	O	|	|	|	|	0.07
350.833	0.00	0.00	0.037	O	|	|	|	|	0.08	356.000	0.00	0.00	0.035	O	|	|	|	|	0.07
350.917	0.00	0.00	0.037	O	|	|	|	|	0.08	356.083	0.00	0.00	0.035	O	|	|	|	|	0.07
351.000	0.00	0.00	0.037	O	|	|	|	|	0.08	356.167	0.00	0.00	0.035	O	|	|	|	|	0.07
351.083	0.00	0.00	0.037	O	|	|	|	|	0.08	356.250	0.00	0.00	0.035	O	|	|	|	|	0.07
351.167	0.00	0.00	0.037	O	|	|	|	|	0.08	356.333	0.00	0.00	0.035	O	|	|	|	|	0.07
351.250	0.00	0.00	0.037	O	|	|	|	|	0.08	356.417	0.00	0.00	0.035	O	|	|	|	|	0.07
351.333	0.00	0.00	0.036	O	|	|	|	|	0.08	356.500	0.00	0.00	0.035	O	|	|	|	|	0.07
351.417	0.00	0.00	0.036	O	|	|	|	|	0.08	356.583	0.00	0.00	0.035	O	|	|	|	|	0.07
351.500	0.00	0.00	0.036	O	|	|	|	|	0.08	356.667	0.00	0.00	0.035	O	|	|	|	|	0.07
351.583	0.00	0.00	0.036	O	|	|	|	|	0.08	356.750	0.00	0.00	0.035	O	|	|	|	|	0.07
351.667	0.00	0.00	0.036	O	|	|	|	|	0.08	356.833	0.00	0.00	0.035	O	|	|	|	|	0.07
351.750	0.00	0.00	0.036	O	|	|	|	|	0.08	356.917	0.00	0.00	0.035	O	|	|	|	|	0.07
351.833	0.00	0.00	0.036	O	|	|	|	|	0.08	357.000	0.00	0.00	0.035	O	|	|	|	|	0.07
351.917	0.00	0.00	0.036	O	|	|	|	|	0.08	357.083	0.00	0.00	0.035	O	|	|	|	|	0.07
352.000	0.00	0.00	0.036	O	|	|	|	|	0.08	357.167	0.00	0.00	0.035	O	|	|	|	|	0.07
352.083	0.00	0.00	0.036	O	|	|	|	|	0.08	357.250	0.00	0.00	0.035	O	|	|	|	|	0.07
352.167	0.00	0.00	0.036	O	|	|	|	|	0.08	357.333	0.00	0.00	0.035	O	|	|	|	|	0.07
352.250	0.00	0.00	0.036	O	|	|	|	|	0.08	357.417	0.00	0.00	0.035	O	|	|	|	|	0.07
352.333	0.00	0.00	0.036	O	|	|	|	|	0.08	357.500	0.00	0.00	0.035	O	|	|	|	|	0.07
352.417	0.00	0.00	0.036	O	|	|	|	|	0.08	357.583	0.00	0.00	0.035	O	|	|	|	|	0.07
352.500	0.00	0.00	0.036	O	|	|	|	|	0.08	357.667	0.00	0.00	0.035	O	|	|	|	|	0.07
352.583	0.00	0.00	0.036	O	|	|	|	|	0.08	357.750	0.00	0.00	0.034	O	|	|	|	|	0.07
352.667	0.00	0.00	0.036	O	|	|	|	|	0.08	357.833	0.00	0.00	0.034	O	|	|	|	|	0.07
352.750	0.00	0.00	0.036	O	|	|	|	|	0.08	357.917	0.00	0.00	0.034	O	|	|	|	|	0.07
352.833	0.00	0.00	0.036	O	|	|	|	|	0.08	358.000	0.00	0.00	0.034	O	|	|	|	|	0.07
352.917	0.00	0.00	0.036	O	|	|	|	|	0.08	358.083	0.00	0.00	0.034	O	|	|	|	|	0.07
353.000	0.00	0.00	0.036	O	|	|	|	|	0.08	358.167	0.00	0.00	0.034	O	|	|	|	|	0.07
353.083	0.00	0.00	0.036	O	|	|	|	|	0.08	358.250	0.00	0.00	0.034	O	|	|	|	|	0.07
353.167	0.00	0.00	0.036	O	|	|	|	|	0.08	358.333	0.00	0.00	0.034	O	|	|	|	|	0.07
353.250	0.00	0.00	0.036	O	|	|	|	|	0.08	358.417	0.00	0.00	0.034	O	|	|	|	|	0.07
353.333	0.00	0.00	0.036	O	|	|	|	|	0.08	358.500	0.00	0.00	0.034	O	|	|	|	|	0.07
353.417	0.00	0.00	0.036	O	|	|	|	|	0.08	358.583	0.00	0.00	0.034	O	|	|	|	|	0.07
353.500	0.00	0.00	0.036	O	|	|	|	|	0.08	358.667	0.00	0.00	0.034	O	|	|	|	|	0.07
353.583	0.00	0.00	0.036	O	|	|	|	|	0.08	358.750	0.00	0.00	0.034	O	|	|	|	|	0.07
353.667	0.00	0.00	0.036	O	|	|	|	|	0.08	358.833	0.00	0.00	0.034	O	|	|	|	|	0.07
353.750	0.00	0.00	0.036	O	|	|	|	|	0.08	358.917	0.00	0.00	0.034	O	|	|	|	|	0.07
353.833	0.00	0.00	0.036	O	|	|	|	|	0.08	359.000	0.00	0.00	0.034	O	|	|	|	|	0.07
353.917	0.00	0.00	0.036	O	|	|	|	|	0.08	359.083	0.00	0.00	0.034	O	|	|	|	|	0.07
354.000	0.00	0.00	0.036	O	|	|	|	|	0.08	359.167	0.00	0.00	0.034	O	|	|	|	|	0.07
354.083	0.00	0.00	0.036	O	|	|	|	|	0.08	359.250	0.00	0.00	0.034	O	|	|	|	|	0.07
354.167	0.00	0.00	0.036	O	|	|	|	|	0.08	359.333	0.00	0.00	0.034	O	|	|	|	|	0.07
354.250	0.00	0.00	0.036	O	|	|	|	|	0.08	359.417	0.00	0.00	0.034	O	|	|	|	|	0.07
354.333	0.00	0.00	0.036	O	|	|	|	|	0.07	359.500	0.00	0.00	0.034	O	|	|	|	|	0.07
354.417	0.00	0.00	0.036	O	|	|	|	|	0.07	359.583	0.00	0.00	0.034	O	|	|	|	|	0.07
354.500	0.00	0.00	0.035	O	|	|	|	|	0.07	359.667	0.00	0.00	0.034	O	|	|	|	|	0.07
354.583	0.00	0.00	0.035	O	|	|	|	|	0.07	359.750	0.00	0.00	0.034	O	|	|	|	|	0.07
354.667	0.00	0.00	0.035	O	|	|	|	|	0.07	359.833	0.00	0.00	0.034	O	|	|	|	|	0.07
354.750	0.00	0.00	0.035	O	|	|	|	|	0.07	359.917	0.00	0.00	0.034	O	|	|	|	|	0.07
354.833	0.00	0.00	0.035	O	|	|	|	|	0.07	360.000	0.00	0.00	0.034	O	|	|	|	|	0.07
354.917	0.00	0.00	0.035	O	|	|	|	|	0.07	360.083	0.00	0.00	0.034	O	|	|	|	|	0.07
355.000	0.00	0.00	0.035	O	|	|	|	|	0.07	360.167	0.00	0.00	0.034	O	|	|	|	|	0.07
355.083	0.00	0.00	0.035	O	|	|	|	|	0.07	360.250	0.00	0.00	0.034	O	|	|	|	|	0.07
355.167	0.00	0.00	0.035	O	|	|	|	|	0.07	360.333	0.00	0.00	0.034	O	|	|	|	|	0.07
355.250	0.00	0.00	0.035	O	|	|	|	|	0.07	360.417	0.00	0.00	0.034	O	|	|	|	|	0.07
355.333	0.00	0.00	0.035	O	|	|	|	|	0.07	360.500	0.00	0.00	0.034	O	|	|	|	|	0.07
355.417	0.00	0.00	0.035	O	|	|	|	|	0.07	360.583	0.00	0.00	0.034	O	|	|	|	|	0.07

360.667	0.00	0.00	0.034	O	|	|	|	|	0.07	365.833	0.00	0.00	0.032	O	|	|	|	|	0.07
360.750	0.00	0.00	0.034	O	|	|	|	|	0.07	365.917	0.00	0.00	0.032	O	|	|	|	|	0.07
360.833	0.00	0.00	0.034	O	|	|	|	|	0.07	366.000	0.00	0.00	0.032	O	|	|	|	|	0.07
360.917	0.00	0.00	0.034	O	|	|	|	|	0.07	366.083	0.00	0.00	0.032	O	|	|	|	|	0.07
361.000	0.00	0.00	0.034	O	|	|	|	|	0.07	366.167	0.00	0.00	0.032	O	|	|	|	|	0.07
361.083	0.00	0.00	0.034	O	|	|	|	|	0.07	366.250	0.00	0.00	0.032	O	|	|	|	|	0.07
361.167	0.00	0.00	0.033	O	|	|	|	|	0.07	366.333	0.00	0.00	0.032	O	|	|	|	|	0.07
361.250	0.00	0.00	0.033	O	|	|	|	|	0.07	366.417	0.00	0.00	0.032	O	|	|	|	|	0.07
361.333	0.00	0.00	0.033	O	|	|	|	|	0.07	366.500	0.00	0.00	0.032	O	|	|	|	|	0.07
361.417	0.00	0.00	0.033	O	|	|	|	|	0.07	366.583	0.00	0.00	0.032	O	|	|	|	|	0.07
361.500	0.00	0.00	0.033	O	|	|	|	|	0.07	366.667	0.00	0.00	0.032	O	|	|	|	|	0.07
361.583	0.00	0.00	0.033	O	|	|	|	|	0.07	366.750	0.00	0.00	0.032	O	|	|	|	|	0.07
361.667	0.00	0.00	0.033	O	|	|	|	|	0.07	366.833	0.00	0.00	0.032	O	|	|	|	|	0.07
361.750	0.00	0.00	0.033	O	|	|	|	|	0.07	366.917	0.00	0.00	0.032	O	|	|	|	|	0.07
361.833	0.00	0.00	0.033	O	|	|	|	|	0.07	367.000	0.00	0.00	0.032	O	|	|	|	|	0.07
361.917	0.00	0.00	0.033	O	|	|	|	|	0.07	367.083	0.00	0.00	0.032	O	|	|	|	|	0.07
362.000	0.00	0.00	0.033	O	|	|	|	|	0.07	367.167	0.00	0.00	0.032	O	|	|	|	|	0.07
362.083	0.00	0.00	0.033	O	|	|	|	|	0.07	367.250	0.00	0.00	0.032	O	|	|	|	|	0.07
362.167	0.00	0.00	0.033	O	|	|	|	|	0.07	367.333	0.00	0.00	0.032	O	|	|	|	|	0.07
362.250	0.00	0.00	0.033	O	|	|	|	|	0.07	367.417	0.00	0.00	0.032	O	|	|	|	|	0.07
362.333	0.00	0.00	0.033	O	|	|	|	|	0.07	367.500	0.00	0.00	0.032	O	|	|	|	|	0.07
362.417	0.00	0.00	0.033	O	|	|	|	|	0.07	367.583	0.00	0.00	0.032	O	|	|	|	|	0.07
362.500	0.00	0.00	0.033	O	|	|	|	|	0.07	367.667	0.00	0.00	0.032	O	|	|	|	|	0.07
362.583	0.00	0.00	0.033	O	|	|	|	|	0.07	367.750	0.00	0.00	0.032	O	|	|	|	|	0.07
362.667	0.00	0.00	0.033	O	|	|	|	|	0.07	367.833	0.00	0.00	0.032	O	|	|	|	|	0.07
362.750	0.00	0.00	0.033	O	|	|	|	|	0.07	367.917	0.00	0.00	0.032	O	|	|	|	|	0.07
362.833	0.00	0.00	0.033	O	|	|	|	|	0.07	368.000	0.00	0.00	0.032	O	|	|	|	|	0.07
362.917	0.00	0.00	0.033	O	|	|	|	|	0.07	368.083	0.00	0.00	0.032	O	|	|	|	|	0.07
363.000	0.00	0.00	0.033	O	|	|	|	|	0.07	368.167	0.00	0.00	0.032	O	|	|	|	|	0.07
363.083	0.00	0.00	0.033	O	|	|	|	|	0.07	368.250	0.00	0.00	0.031	O	|	|	|	|	0.07
363.167	0.00	0.00	0.033	O	|	|	|	|	0.07	368.333	0.00	0.00	0.031	O	|	|	|	|	0.07
363.250	0.00	0.00	0.033	O	|	|	|	|	0.07	368.417	0.00	0.00	0.031	O	|	|	|	|	0.07
363.333	0.00	0.00	0.033	O	|	|	|	|	0.07	368.500	0.00	0.00	0.031	O	|	|	|	|	0.07
363.417	0.00	0.00	0.033	O	|	|	|	|	0.07	368.583	0.00	0.00	0.031	O	|	|	|	|	0.07
363.500	0.00	0.00	0.033	O	|	|	|	|	0.07	368.667	0.00	0.00	0.031	O	|	|	|	|	0.07
363.583	0.00	0.00	0.033	O	|	|	|	|	0.07	368.750	0.00	0.00	0.031	O	|	|	|	|	0.07
363.667	0.00	0.00	0.033	O	|	|	|	|	0.07	368.833	0.00	0.00	0.031	O	|	|	|	|	0.07
363.750	0.00	0.00	0.033	O	|	|	|	|	0.07	368.917	0.00	0.00	0.031	O	|	|	|	|	0.07
363.833	0.00	0.00	0.033	O	|	|	|	|	0.07	369.000	0.00	0.00	0.031	O	|	|	|	|	0.07
363.917	0.00	0.00	0.033	O	|	|	|	|	0.07	369.083	0.00	0.00	0.031	O	|	|	|	|	0.07
364.000	0.00	0.00	0.033	O	|	|	|	|	0.07	369.167	0.00	0.00	0.031	O	|	|	|	|	0.07
364.083	0.00	0.00	0.033	O	|	|	|	|	0.07	369.250	0.00	0.00	0.031	O	|	|	|	|	0.07
364.167	0.00	0.00	0.033	O	|	|	|	|	0.07	369.333	0.00	0.00	0.031	O	|	|	|	|	0.07
364.250	0.00	0.00	0.033	O	|	|	|	|	0.07	369.417	0.00	0.00	0.031	O	|	|	|	|	0.07
364.333	0.00	0.00	0.033	O	|	|	|	|	0.07	369.500	0.00	0.00	0.031	O	|	|	|	|	0.07
364.417	0.00	0.00	0.033	O	|	|	|	|	0.07	369.583	0.00	0.00	0.031	O	|	|	|	|	0.07
364.500	0.00	0.00	0.033	O	|	|	|	|	0.07	369.667	0.00	0.00	0.031	O	|	|	|	|	0.07
364.583	0.00	0.00	0.033	O	|	|	|	|	0.07	369.750	0.00	0.00	0.031	O	|	|	|	|	0.07
364.667	0.00	0.00	0.032	O	|	|	|	|	0.07	369.833	0.00	0.00	0.031	O	|	|	|	|	0.07
364.750	0.00	0.00	0.032	O	|	|	|	|	0.07	369.917	0.00	0.00	0.031	O	|	|	|	|	0.07
364.833	0.00	0.00	0.032	O	|	|	|	|	0.07	370.000	0.00	0.00	0.031	O	|	|	|	|	0.07
364.917	0.00	0.00	0.032	O	|	|	|	|	0.07	370.083	0.00	0.00	0.031	O	|	|	|	|	0.07
365.000	0.00	0.00	0.032	O	|	|	|	|	0.07	370.167	0.00	0.00	0.031	O	|	|	|	|	0.07
365.083	0.00	0.00	0.032	O	|	|	|	|	0.07	370.250	0.00	0.00	0.031	O	|	|	|	|	0.07
365.167	0.00	0.00	0.032	O	|	|	|	|	0.07	370.333	0.00	0.00	0.031	O	|	|	|	|	0.07
365.250	0.00	0.00	0.032	O	|	|	|	|	0.07	370.417	0.00	0.00	0.031	O	|	|	|	|	0.07
365.333	0.00	0.00	0.032	O	|	|	|	|	0.07	370.500	0.00	0.00	0.031	O	|	|	|	|	0.07
365.417	0.00	0.00	0.032	O	|	|	|	|	0.07	370.583	0.00	0.00	0.031	O	|	|	|	|	0.07
365.500	0.00	0.00	0.032	O	|	|	|	|	0.07	370.667	0.00	0.00	0.031	O	|	|	|	|	0.07
365.583	0.00	0.00	0.032	O	|	|	|	|	0.07	370.750	0.00	0.00	0.031	O	|	|	|	|	0.06
365.667	0.00	0.00	0.032	O	|	|	|	|	0.07	370.833	0.00	0.00	0.031	O	|	|	|	|	0.06
365.750	0.00	0.00	0.032	O	|	|	|	|	0.07	370.917	0.00	0.00	0.031	O	|	|	|	|	0.06

371.000	0.00	0.00	0.031	O	|	|	|	|	0.06	376.167	0.00	0.00	0.029	O	|	|	|	|	0.06
371.083	0.00	0.00	0.031	O	|	|	|	|	0.06	376.250	0.00	0.00	0.029	O	|	|	|	|	0.06
371.167	0.00	0.00	0.031	O	|	|	|	|	0.06	376.333	0.00	0.00	0.029	O	|	|	|	|	0.06
371.250	0.00	0.00	0.031	O	|	|	|	|	0.06	376.417	0.00	0.00	0.029	O	|	|	|	|	0.06
371.333	0.00	0.00	0.031	O	|	|	|	|	0.06	376.500	0.00	0.00	0.029	O	|	|	|	|	0.06
371.417	0.00	0.00	0.031	O	|	|	|	|	0.06	376.583	0.00	0.00	0.029	O	|	|	|	|	0.06
371.500	0.00	0.00	0.031	O	|	|	|	|	0.06	376.667	0.00	0.00	0.029	O	|	|	|	|	0.06
371.583	0.00	0.00	0.031	O	|	|	|	|	0.06	376.750	0.00	0.00	0.029	O	|	|	|	|	0.06
371.667	0.00	0.00	0.031	O	|	|	|	|	0.06	376.833	0.00	0.00	0.029	O	|	|	|	|	0.06
371.750	0.00	0.00	0.031	O	|	|	|	|	0.06	376.917	0.00	0.00	0.029	O	|	|	|	|	0.06
371.833	0.00	0.00	0.031	O	|	|	|	|	0.06	377.000	0.00	0.00	0.029	O	|	|	|	|	0.06
371.917	0.00	0.00	0.030	O	|	|	|	|	0.06	377.083	0.00	0.00	0.029	O	|	|	|	|	0.06
372.000	0.00	0.00	0.030	O	|	|	|	|	0.06	377.167	0.00	0.00	0.029	O	|	|	|	|	0.06
372.083	0.00	0.00	0.030	O	|	|	|	|	0.06	377.250	0.00	0.00	0.029	O	|	|	|	|	0.06
372.167	0.00	0.00	0.030	O	|	|	|	|	0.06	377.333	0.00	0.00	0.029	O	|	|	|	|	0.06
372.250	0.00	0.00	0.030	O	|	|	|	|	0.06	377.417	0.00	0.00	0.029	O	|	|	|	|	0.06
372.333	0.00	0.00	0.030	O	|	|	|	|	0.06	377.500	0.00	0.00	0.029	O	|	|	|	|	0.06
372.417	0.00	0.00	0.030	O	|	|	|	|	0.06	377.583	0.00	0.00	0.029	O	|	|	|	|	0.06
372.500	0.00	0.00	0.030	O	|	|	|	|	0.06	377.667	0.00	0.00	0.029	O	|	|	|	|	0.06
372.583	0.00	0.00	0.030	O	|	|	|	|	0.06	377.750	0.00	0.00	0.029	O	|	|	|	|	0.06
372.667	0.00	0.00	0.030	O	|	|	|	|	0.06	377.833	0.00	0.00	0.029	O	|	|	|	|	0.06
372.750	0.00	0.00	0.030	O	|	|	|	|	0.06	377.917	0.00	0.00	0.029	O	|	|	|	|	0.06
372.833	0.00	0.00	0.030	O	|	|	|	|	0.06	378.000	0.00	0.00	0.029	O	|	|	|	|	0.06
372.917	0.00	0.00	0.030	O	|	|	|	|	0.06	378.083	0.00	0.00	0.029	O	|	|	|	|	0.06
373.000	0.00	0.00	0.030	O	|	|	|	|	0.06	378.167	0.00	0.00	0.029	O	|	|	|	|	0.06
373.083	0.00	0.00	0.030	O	|	|	|	|	0.06	378.250	0.00	0.00	0.029	O	|	|	|	|	0.06
373.167	0.00	0.00	0.030	O	|	|	|	|	0.06	378.333	0.00	0.00	0.029	O	|	|	|	|	0.06
373.250	0.00	0.00	0.030	O	|	|	|	|	0.06	378.417	0.00	0.00	0.029	O	|	|	|	|	0.06
373.333	0.00	0.00	0.030	O	|	|	|	|	0.06	378.500	0.00	0.00	0.029	O	|	|	|	|	0.06
373.417	0.00	0.00	0.030	O	|	|	|	|	0.06	378.583	0.00	0.00	0.029	O	|	|	|	|	0.06
373.500	0.00	0.00	0.030	O	|	|	|	|	0.06	378.667	0.00	0.00	0.029	O	|	|	|	|	0.06
373.583	0.00	0.00	0.030	O	|	|	|	|	0.06	378.750	0.00	0.00	0.029	O	|	|	|	|	0.06
373.667	0.00	0.00	0.030	O	|	|	|	|	0.06	378.833	0.00	0.00	0.029	O	|	|	|	|	0.06
373.750	0.00	0.00	0.030	O	|	|	|	|	0.06	378.917	0.00	0.00	0.029	O	|	|	|	|	0.06
373.833	0.00	0.00	0.030	O	|	|	|	|	0.06	379.000	0.00	0.00	0.029	O	|	|	|	|	0.06
373.917	0.00	0.00	0.030	O	|	|	|	|	0.06	379.083	0.00	0.00	0.029	O	|	|	|	|	0.06
374.000	0.00	0.00	0.030	O	|	|	|	|	0.06	379.167	0.00	0.00	0.029	O	|	|	|	|	0.06
374.083	0.00	0.00	0.030	O	|	|	|	|	0.06	379.250	0.00	0.00	0.029	O	|	|	|	|	0.06
374.167	0.00	0.00	0.030	O	|	|	|	|	0.06	379.333	0.00	0.00	0.029	O	|	|	|	|	0.06
374.250	0.00	0.00	0.030	O	|	|	|	|	0.06	379.417	0.00	0.00	0.029	O	|	|	|	|	0.06
374.333	0.00	0.00	0.030	O	|	|	|	|	0.06	379.500	0.00	0.00	0.029	O	|	|	|	|	0.06
374.417	0.00	0.00	0.030	O	|	|	|	|	0.06	379.583	0.00	0.00	0.029	O	|	|	|	|	0.06
374.500	0.00	0.00	0.030	O	|	|	|	|	0.06	379.667	0.00	0.00	0.028	O	|	|	|	|	0.06
374.583	0.00	0.00	0.030	O	|	|	|	|	0.06	379.750	0.00	0.00	0.028	O	|	|	|	|	0.06
374.667	0.00	0.00	0.030	O	|	|	|	|	0.06	379.833	0.00	0.00	0.028	O	|	|	|	|	0.06
374.750	0.00	0.00	0.030	O	|	|	|	|	0.06	379.917	0.00	0.00	0.028	O	|	|	|	|	0.06
374.833	0.00	0.00	0.030	O	|	|	|	|	0.06	380.000	0.00	0.00	0.028	O	|	|	|	|	0.06
374.917	0.00	0.00	0.030	O	|	|	|	|	0.06	380.083	0.00	0.00	0.028	O	|	|	|	|	0.06
375.000	0.00	0.00	0.030	O	|	|	|	|	0.06	380.167	0.00	0.00	0.028	O	|	|	|	|	0.06
375.083	0.00	0.00	0.030	O	|	|	|	|	0.06	380.250	0.00	0.00	0.028	O	|	|	|	|	0.06
375.167	0.00	0.00	0.030	O	|	|	|	|	0.06	380.333	0.00	0.00	0.028	O	|	|	|	|	0.06
375.250	0.00	0.00	0.030	O	|	|	|	|	0.06	380.417	0.00	0.00	0.028	O	|	|	|	|	0.06
375.333	0.00	0.00	0.030	O	|	|	|	|	0.06	380.500	0.00	0.00	0.028	O	|	|	|	|	0.06
375.417	0.00	0.00	0.030	O	|	|	|	|	0.06	380.583	0.00	0.00	0.028	O	|	|	|	|	0.06
375.500	0.00	0.00	0.030	O	|	|	|	|	0.06	380.667	0.00	0.00	0.028	O	|	|	|	|	0.06
375.583	0.00	0.00	0.030	O	|	|	|	|	0.06	380.750	0.00	0.00	0.028	O	|	|	|	|	0.06
375.667	0.00	0.00	0.030	O	|	|	|	|	0.06	380.833	0.00	0.00	0.028	O	|	|	|	|	0.06
375.750	0.00	0.00	0.029	O	|	|	|	|	0.06	380.917	0.00	0.00	0.028	O	|	|	|	|	0.06
375.833	0.00	0.00	0.029	O	|	|	|	|	0.06	381.000	0.00	0.00	0.028	O	|	|	|	|	0.06
375.917	0.00	0.00	0.029	O	|	|	|	|	0.06	381.083	0.00	0.00	0.028	O	|	|	|	|	0.06
376.000	0.00	0.00	0.029	O	|	|	|	|	0.06	381.167	0.00	0.00	0.028	O	|	|	|	|	0.06
376.083	0.00	0.00	0.029	O	|	|	|	|	0.06	381.250	0.00	0.00	0.028	O	|	|	|	|	0.06

381.333	0.00	0.00	0.028	O	|	|	|	|	0.06	386.500	0.00	0.00	0.027	O	|	|	|	|	0.06
381.417	0.00	0.00	0.028	O	|	|	|	|	0.06	386.583	0.00	0.00	0.027	O	|	|	|	|	0.06
381.500	0.00	0.00	0.028	O	|	|	|	|	0.06	386.667	0.00	0.00	0.027	O	|	|	|	|	0.06
381.583	0.00	0.00	0.028	O	|	|	|	|	0.06	386.750	0.00	0.00	0.027	O	|	|	|	|	0.06
381.667	0.00	0.00	0.028	O	|	|	|	|	0.06	386.833	0.00	0.00	0.027	O	|	|	|	|	0.06
381.750	0.00	0.00	0.028	O	|	|	|	|	0.06	386.917	0.00	0.00	0.027	O	|	|	|	|	0.06
381.833	0.00	0.00	0.028	O	|	|	|	|	0.06	387.000	0.00	0.00	0.027	O	|	|	|	|	0.06
381.917	0.00	0.00	0.028	O	|	|	|	|	0.06	387.083	0.00	0.00	0.027	O	|	|	|	|	0.06
382.000	0.00	0.00	0.028	O	|	|	|	|	0.06	387.167	0.00	0.00	0.027	O	|	|	|	|	0.06
382.083	0.00	0.00	0.028	O	|	|	|	|	0.06	387.250	0.00	0.00	0.027	O	|	|	|	|	0.06
382.167	0.00	0.00	0.028	O	|	|	|	|	0.06	387.333	0.00	0.00	0.027	O	|	|	|	|	0.06
382.250	0.00	0.00	0.028	O	|	|	|	|	0.06	387.417	0.00	0.00	0.027	O	|	|	|	|	0.06
382.333	0.00	0.00	0.028	O	|	|	|	|	0.06	387.500	0.00	0.00	0.027	O	|	|	|	|	0.06
382.417	0.00	0.00	0.028	O	|	|	|	|	0.06	387.583	0.00	0.00	0.027	O	|	|	|	|	0.06
382.500	0.00	0.00	0.028	O	|	|	|	|	0.06	387.667	0.00	0.00	0.027	O	|	|	|	|	0.06
382.583	0.00	0.00	0.028	O	|	|	|	|	0.06	387.750	0.00	0.00	0.027	O	|	|	|	|	0.06
382.667	0.00	0.00	0.028	O	|	|	|	|	0.06	387.833	0.00	0.00	0.027	O	|	|	|	|	0.06
382.750	0.00	0.00	0.028	O	|	|	|	|	0.06	387.917	0.00	0.00	0.027	O	|	|	|	|	0.06
382.833	0.00	0.00	0.028	O	|	|	|	|	0.06	388.000	0.00	0.00	0.027	O	|	|	|	|	0.06
382.917	0.00	0.00	0.028	O	|	|	|	|	0.06	388.083	0.00	0.00	0.026	O	|	|	|	|	0.06
383.000	0.00	0.00	0.028	O	|	|	|	|	0.06	388.167	0.00	0.00	0.026	O	|	|	|	|	0.06
383.083	0.00	0.00	0.028	O	|	|	|	|	0.06	388.250	0.00	0.00	0.026	O	|	|	|	|	0.06
383.167	0.00	0.00	0.028	O	|	|	|	|	0.06	388.333	0.00	0.00	0.026	O	|	|	|	|	0.06
383.250	0.00	0.00	0.028	O	|	|	|	|	0.06	388.417	0.00	0.00	0.026	O	|	|	|	|	0.06
383.333	0.00	0.00	0.028	O	|	|	|	|	0.06	388.500	0.00	0.00	0.026	O	|	|	|	|	0.06
383.417	0.00	0.00	0.028	O	|	|	|	|	0.06	388.583	0.00	0.00	0.026	O	|	|	|	|	0.06
383.500	0.00	0.00	0.028	O	|	|	|	|	0.06	388.667	0.00	0.00	0.026	O	|	|	|	|	0.06
383.583	0.00	0.00	0.028	O	|	|	|	|	0.06	388.750	0.00	0.00	0.026	O	|	|	|	|	0.06
383.667	0.00	0.00	0.028	O	|	|	|	|	0.06	388.833	0.00	0.00	0.026	O	|	|	|	|	0.06
383.750	0.00	0.00	0.028	O	|	|	|	|	0.06	388.917	0.00	0.00	0.026	O	|	|	|	|	0.06
383.833	0.00	0.00	0.027	O	|	|	|	|	0.06	389.000	0.00	0.00	0.026	O	|	|	|	|	0.06
383.917	0.00	0.00	0.027	O	|	|	|	|	0.06	389.083	0.00	0.00	0.026	O	|	|	|	|	0.06
384.000	0.00	0.00	0.027	O	|	|	|	|	0.06	389.167	0.00	0.00	0.026	O	|	|	|	|	0.06
384.083	0.00	0.00	0.027	O	|	|	|	|	0.06	389.250	0.00	0.00	0.026	O	|	|	|	|	0.06
384.167	0.00	0.00	0.027	O	|	|	|	|	0.06	389.333	0.00	0.00	0.026	O	|	|	|	|	0.06
384.250	0.00	0.00	0.027	O	|	|	|	|	0.06	389.417	0.00	0.00	0.026	O	|	|	|	|	0.06
384.333	0.00	0.00	0.027	O	|	|	|	|	0.06	389.500	0.00	0.00	0.026	O	|	|	|	|	0.06
384.417	0.00	0.00	0.027	O	|	|	|	|	0.06	389.583	0.00	0.00	0.026	O	|	|	|	|	0.06
384.500	0.00	0.00	0.027	O	|	|	|	|	0.06	389.667	0.00	0.00	0.026	O	|	|	|	|	0.06
384.583	0.00	0.00	0.027	O	|	|	|	|	0.06	389.750	0.00	0.00	0.026	O	|	|	|	|	0.06
384.667	0.00	0.00	0.027	O	|	|	|	|	0.06	389.833	0.00	0.00	0.026	O	|	|	|	|	0.06
384.750	0.00	0.00	0.027	O	|	|	|	|	0.06	389.917	0.00	0.00	0.026	O	|	|	|	|	0.05
384.833	0.00	0.00	0.027	O	|	|	|	|	0.06	390.000	0.00	0.00	0.026	O	|	|	|	|	0.05
384.917	0.00	0.00	0.027	O	|	|	|	|	0.06	390.083	0.00	0.00	0.026	O	|	|	|	|	0.05
385.000	0.00	0.00	0.027	O	|	|	|	|	0.06	390.167	0.00	0.00	0.026	O	|	|	|	|	0.05
385.083	0.00	0.00	0.027	O	|	|	|	|	0.06	390.250	0.00	0.00	0.026	O	|	|	|	|	0.05
385.167	0.00	0.00	0.027	O	|	|	|	|	0.06	390.333	0.00	0.00	0.026	O	|	|	|	|	0.05
385.250	0.00	0.00	0.027	O	|	|	|	|	0.06	390.417	0.00	0.00	0.026	O	|	|	|	|	0.05
385.333	0.00	0.00	0.027	O	|	|	|	|	0.06	390.500	0.00	0.00	0.026	O	|	|	|	|	0.05
385.417	0.00	0.00	0.027	O	|	|	|	|	0.06	390.583	0.00	0.00	0.026	O	|	|	|	|	0.05
385.500	0.00	0.00	0.027	O	|	|	|	|	0.06	390.667	0.00	0.00	0.026	O	|	|	|	|	0.05
385.583	0.00	0.00	0.027	O	|	|	|	|	0.06	390.750	0.00	0.00	0.026	O	|	|	|	|	0.05
385.667	0.00	0.00	0.027	O	|	|	|	|	0.06	390.833	0.00	0.00	0.026	O	|	|	|	|	0.05
385.750	0.00	0.00	0.027	O	|	|	|	|	0.06	390.917	0.00	0.00	0.026	O	|	|	|	|	0.05
385.833	0.00	0.00	0.027	O	|	|	|	|	0.06	391.000	0.00	0.00	0.026	O	|	|	|	|	0.05
385.917	0.00	0.00	0.027	O	|	|	|	|	0.06	391.083	0.00	0.00	0.026	O	|	|	|	|	0.05
386.000	0.00	0.00	0.027	O	|	|	|	|	0.06	391.167	0.00	0.00	0.026	O	|	|	|	|	0.05
386.083	0.00	0.00	0.027	O	|	|	|	|	0.06	391.250	0.00	0.00	0.026	O	|	|	|	|	0.05
386.167	0.00	0.00	0.027	O	|	|	|	|	0.06	391.333	0.00	0.00	0.026	O	|	|	|	|	0.05
386.250	0.00	0.00	0.027	O	|	|	|	|	0.06	391.417	0.00	0.00	0.026	O	|	|	|	|	0.05
386.333	0.00	0.00	0.027	O	|	|	|	|	0.06	391.500	0.00	0.00	0.026	O	|	|	|	|	0.05
386.417	0.00	0.00	0.027	O	|	|	|	|	0.06	391.583	0.00	0.00	0.026	O	|	|	|	|	0.05

391.667	0.00	0.00	0.026	O	|	|	|	|	0.05	396.833	0.00	0.00	0.025	O	|	|	|	|	0.05
391.750	0.00	0.00	0.026	O	|	|	|	|	0.05	396.917	0.00	0.00	0.025	O	|	|	|	|	0.05
391.833	0.00	0.00	0.026	O	|	|	|	|	0.05	397.000	0.00	0.00	0.025	O	|	|	|	|	0.05
391.917	0.00	0.00	0.026	O	|	|	|	|	0.05	397.083	0.00	0.00	0.024	O	|	|	|	|	0.05
392.000	0.00	0.00	0.026	O	|	|	|	|	0.05	397.167	0.00	0.00	0.024	O	|	|	|	|	0.05
392.083	0.00	0.00	0.026	O	|	|	|	|	0.05	397.250	0.00	0.00	0.024	O	|	|	|	|	0.05
392.167	0.00	0.00	0.026	O	|	|	|	|	0.05	397.333	0.00	0.00	0.024	O	|	|	|	|	0.05
392.250	0.00	0.00	0.026	O	|	|	|	|	0.05	397.417	0.00	0.00	0.024	O	|	|	|	|	0.05
392.333	0.00	0.00	0.026	O	|	|	|	|	0.05	397.500	0.00	0.00	0.024	O	|	|	|	|	0.05
392.417	0.00	0.00	0.026	O	|	|	|	|	0.05	397.583	0.00	0.00	0.024	O	|	|	|	|	0.05
392.500	0.00	0.00	0.025	O	|	|	|	|	0.05	397.667	0.00	0.00	0.024	O	|	|	|	|	0.05
392.583	0.00	0.00	0.025	O	|	|	|	|	0.05	397.750	0.00	0.00	0.024	O	|	|	|	|	0.05
392.667	0.00	0.00	0.025	O	|	|	|	|	0.05	397.833	0.00	0.00	0.024	O	|	|	|	|	0.05
392.750	0.00	0.00	0.025	O	|	|	|	|	0.05	397.917	0.00	0.00	0.024	O	|	|	|	|	0.05
392.833	0.00	0.00	0.025	O	|	|	|	|	0.05	398.000	0.00	0.00	0.024	O	|	|	|	|	0.05
392.917	0.00	0.00	0.025	O	|	|	|	|	0.05	398.083	0.00	0.00	0.024	O	|	|	|	|	0.05
393.000	0.00	0.00	0.025	O	|	|	|	|	0.05	398.167	0.00	0.00	0.024	O	|	|	|	|	0.05
393.083	0.00	0.00	0.025	O	|	|	|	|	0.05	398.250	0.00	0.00	0.024	O	|	|	|	|	0.05
393.167	0.00	0.00	0.025	O	|	|	|	|	0.05	398.333	0.00	0.00	0.024	O	|	|	|	|	0.05
393.250	0.00	0.00	0.025	O	|	|	|	|	0.05	398.417	0.00	0.00	0.024	O	|	|	|	|	0.05
393.333	0.00	0.00	0.025	O	|	|	|	|	0.05	398.500	0.00	0.00	0.024	O	|	|	|	|	0.05
393.417	0.00	0.00	0.025	O	|	|	|	|	0.05	398.583	0.00	0.00	0.024	O	|	|	|	|	0.05
393.500	0.00	0.00	0.025	O	|	|	|	|	0.05	398.667	0.00	0.00	0.024	O	|	|	|	|	0.05
393.583	0.00	0.00	0.025	O	|	|	|	|	0.05	398.750	0.00	0.00	0.024	O	|	|	|	|	0.05
393.667	0.00	0.00	0.025	O	|	|	|	|	0.05	398.833	0.00	0.00	0.024	O	|	|	|	|	0.05
393.750	0.00	0.00	0.025	O	|	|	|	|	0.05	398.917	0.00	0.00	0.024	O	|	|	|	|	0.05
393.833	0.00	0.00	0.025	O	|	|	|	|	0.05	399.000	0.00	0.00	0.024	O	|	|	|	|	0.05
393.917	0.00	0.00	0.025	O	|	|	|	|	0.05	399.083	0.00	0.00	0.024	O	|	|	|	|	0.05
394.000	0.00	0.00	0.025	O	|	|	|	|	0.05	399.167	0.00	0.00	0.024	O	|	|	|	|	0.05
394.083	0.00	0.00	0.025	O	|	|	|	|	0.05	399.250	0.00	0.00	0.024	O	|	|	|	|	0.05
394.167	0.00	0.00	0.025	O	|	|	|	|	0.05	399.333	0.00	0.00	0.024	O	|	|	|	|	0.05
394.250	0.00	0.00	0.025	O	|	|	|	|	0.05	399.417	0.00	0.00	0.024	O	|	|	|	|	0.05
394.333	0.00	0.00	0.025	O	|	|	|	|	0.05	399.500	0.00	0.00	0.024	O	|	|	|	|	0.05
394.417	0.00	0.00	0.025	O	|	|	|	|	0.05	399.583	0.00	0.00	0.024	O	|	|	|	|	0.05
394.500	0.00	0.00	0.025	O	|	|	|	|	0.05	399.667	0.00	0.00	0.024	O	|	|	|	|	0.05
394.583	0.00	0.00	0.025	O	|	|	|	|	0.05	399.750	0.00	0.00	0.024	O	|	|	|	|	0.05
394.667	0.00	0.00	0.025	O	|	|	|	|	0.05	399.833	0.00	0.00	0.024	O	|	|	|	|	0.05
394.750	0.00	0.00	0.025	O	|	|	|	|	0.05	399.917	0.00	0.00	0.024	O	|	|	|	|	0.05
394.833	0.00	0.00	0.025	O	|	|	|	|	0.05	400.000	0.00	0.00	0.024	O	|	|	|	|	0.05
394.917	0.00	0.00	0.025	O	|	|	|	|	0.05	400.083	0.00	0.00	0.024	O	|	|	|	|	0.05
395.000	0.00	0.00	0.025	O	|	|	|	|	0.05	400.167	0.00	0.00	0.024	O	|	|	|	|	0.05
395.083	0.00	0.00	0.025	O	|	|	|	|	0.05	400.250	0.00	0.00	0.024	O	|	|	|	|	0.05
395.167	0.00	0.00	0.025	O	|	|	|	|	0.05	400.333	0.00	0.00	0.024	O	|	|	|	|	0.05
395.250	0.00	0.00	0.025	O	|	|	|	|	0.05	400.417	0.00	0.00	0.024	O	|	|	|	|	0.05
395.333	0.00	0.00	0.025	O	|	|	|	|	0.05	400.500	0.00	0.00	0.024	O	|	|	|	|	0.05
395.417	0.00	0.00	0.025	O	|	|	|	|	0.05	400.583	0.00	0.00	0.024	O	|	|	|	|	0.05
395.500	0.00	0.00	0.025	O	|	|	|	|	0.05	400.667	0.00	0.00	0.024	O	|	|	|	|	0.05
395.583	0.00	0.00	0.025	O	|	|	|	|	0.05	400.750	0.00	0.00	0.024	O	|	|	|	|	0.05
395.667	0.00	0.00	0.025	O	|	|	|	|	0.05	400.833	0.00	0.00	0.024	O	|	|	|	|	0.05
395.750	0.00	0.00	0.025	O	|	|	|	|	0.05	400.917	0.00	0.00	0.024	O	|	|	|	|	0.05
395.833	0.00	0.00	0.025	O	|	|	|	|	0.05	401.000	0.00	0.00	0.024	O	|	|	|	|	0.05
395.917	0.00	0.00	0.025	O	|	|	|	|	0.05	401.083	0.00	0.00	0.024	O	|	|	|	|	0.05
396.000	0.00	0.00	0.025	O	|	|	|	|	0.05	401.167	0.00	0.00	0.024	O	|	|	|	|	0.05
396.083	0.00	0.00	0.025	O	|	|	|	|	0.05	401.250	0.00	0.00	0.024	O	|	|	|	|	0.05
396.167	0.00	0.00	0.025	O	|	|	|	|	0.05	401.333	0.00	0.00	0.024	O	|	|	|	|	0.05
396.250	0.00	0.00	0.025	O	|	|	|	|	0.05	401.417	0.00	0.00	0.024	O	|	|	|	|	0.05
396.333	0.00	0.00	0.025	O	|	|	|	|	0.05	401.500	0.00	0.00	0.024	O	|	|	|	|	0.05
396.417	0.00	0.00	0.025	O	|	|	|	|	0.05	401.583	0.00	0.00	0.024	O	|	|	|	|	0.05
396.500	0.00	0.00	0.025	O	|	|	|	|	0.05	401.667	0.00	0.00	0.024	O	|	|	|	|	0.05
396.583	0.00	0.00	0.025	O	|	|	|	|	0.05	401.750	0.00	0.00	0.024	O	|	|	|	|	0.05
396.667	0.00	0.00	0.025	O	|	|	|	|	0.05	401.833	0.00	0.00	0.023	O	|	|	|	|	0.05
396.750	0.00	0.00	0.025	O	|	|	|	|	0.05	401.917	0.00	0.00	0.023	O	|	|	|	|	0.05

402.000	0.00	0.00	0.023	O	|	|	|	|	0.05	407.167	0.00	0.00	0.022	O	|	|	|	|	0.05
402.083	0.00	0.00	0.023	O	|	|	|	|	0.05	407.250	0.00	0.00	0.022	O	|	|	|	|	0.05
402.167	0.00	0.00	0.023	O	|	|	|	|	0.05	407.333	0.00	0.00	0.022	O	|	|	|	|	0.05
402.250	0.00	0.00	0.023	O	|	|	|	|	0.05	407.417	0.00	0.00	0.022	O	|	|	|	|	0.05
402.333	0.00	0.00	0.023	O	|	|	|	|	0.05	407.500	0.00	0.00	0.022	O	|	|	|	|	0.05
402.417	0.00	0.00	0.023	O	|	|	|	|	0.05	407.583	0.00	0.00	0.022	O	|	|	|	|	0.05
402.500	0.00	0.00	0.023	O	|	|	|	|	0.05	407.667	0.00	0.00	0.022	O	|	|	|	|	0.05
402.583	0.00	0.00	0.023	O	|	|	|	|	0.05	407.750	0.00	0.00	0.022	O	|	|	|	|	0.05
402.667	0.00	0.00	0.023	O	|	|	|	|	0.05	407.833	0.00	0.00	0.022	O	|	|	|	|	0.05
402.750	0.00	0.00	0.023	O	|	|	|	|	0.05	407.917	0.00	0.00	0.022	O	|	|	|	|	0.05
402.833	0.00	0.00	0.023	O	|	|	|	|	0.05	408.000	0.00	0.00	0.022	O	|	|	|	|	0.05
402.917	0.00	0.00	0.023	O	|	|	|	|	0.05	408.083	0.00	0.00	0.022	O	|	|	|	|	0.05
403.000	0.00	0.00	0.023	O	|	|	|	|	0.05	408.167	0.00	0.00	0.022	O	|	|	|	|	0.05
403.083	0.00	0.00	0.023	O	|	|	|	|	0.05	408.250	0.00	0.00	0.022	O	|	|	|	|	0.05
403.167	0.00	0.00	0.023	O	|	|	|	|	0.05	408.333	0.00	0.00	0.022	O	|	|	|	|	0.05
403.250	0.00	0.00	0.023	O	|	|	|	|	0.05	408.417	0.00	0.00	0.022	O	|	|	|	|	0.05
403.333	0.00	0.00	0.023	O	|	|	|	|	0.05	408.500	0.00	0.00	0.022	O	|	|	|	|	0.05
403.417	0.00	0.00	0.023	O	|	|	|	|	0.05	408.583	0.00	0.00	0.022	O	|	|	|	|	0.05
403.500	0.00	0.00	0.023	O	|	|	|	|	0.05	408.667	0.00	0.00	0.022	O	|	|	|	|	0.05
403.583	0.00	0.00	0.023	O	|	|	|	|	0.05	408.750	0.00	0.00	0.022	O	|	|	|	|	0.05
403.667	0.00	0.00	0.023	O	|	|	|	|	0.05	408.833	0.00	0.00	0.022	O	|	|	|	|	0.05
403.750	0.00	0.00	0.023	O	|	|	|	|	0.05	408.917	0.00	0.00	0.022	O	|	|	|	|	0.05
403.833	0.00	0.00	0.023	O	|	|	|	|	0.05	409.000	0.00	0.00	0.022	O	|	|	|	|	0.05
403.917	0.00	0.00	0.023	O	|	|	|	|	0.05	409.083	0.00	0.00	0.022	O	|	|	|	|	0.05
404.000	0.00	0.00	0.023	O	|	|	|	|	0.05	409.167	0.00	0.00	0.022	O	|	|	|	|	0.05
404.083	0.00	0.00	0.023	O	|	|	|	|	0.05	409.250	0.00	0.00	0.022	O	|	|	|	|	0.05
404.167	0.00	0.00	0.023	O	|	|	|	|	0.05	409.333	0.00	0.00	0.022	O	|	|	|	|	0.05
404.250	0.00	0.00	0.023	O	|	|	|	|	0.05	409.417	0.00	0.00	0.022	O	|	|	|	|	0.05
404.333	0.00	0.00	0.023	O	|	|	|	|	0.05	409.500	0.00	0.00	0.022	O	|	|	|	|	0.05
404.417	0.00	0.00	0.023	O	|	|	|	|	0.05	409.583	0.00	0.00	0.022	O	|	|	|	|	0.05
404.500	0.00	0.00	0.023	O	|	|	|	|	0.05	409.667	0.00	0.00	0.022	O	|	|	|	|	0.05
404.583	0.00	0.00	0.023	O	|	|	|	|	0.05	409.750	0.00	0.00	0.022	O	|	|	|	|	0.05
404.667	0.00	0.00	0.023	O	|	|	|	|	0.05	409.833	0.00	0.00	0.022	O	|	|	|	|	0.05
404.750	0.00	0.00	0.023	O	|	|	|	|	0.05	409.917	0.00	0.00	0.022	O	|	|	|	|	0.05
404.833	0.00	0.00	0.023	O	|	|	|	|	0.05	410.000	0.00	0.00	0.022	O	|	|	|	|	0.05
404.917	0.00	0.00	0.023	O	|	|	|	|	0.05	410.083	0.00	0.00	0.022	O	|	|	|	|	0.05
405.000	0.00	0.00	0.023	O	|	|	|	|	0.05	410.167	0.00	0.00	0.022	O	|	|	|	|	0.05
405.083	0.00	0.00	0.023	O	|	|	|	|	0.05	410.250	0.00	0.00	0.022	O	|	|	|	|	0.05
405.167	0.00	0.00	0.023	O	|	|	|	|	0.05	410.333	0.00	0.00	0.022	O	|	|	|	|	0.05
405.250	0.00	0.00	0.023	O	|	|	|	|	0.05	410.417	0.00	0.00	0.022	O	|	|	|	|	0.05
405.333	0.00	0.00	0.023	O	|	|	|	|	0.05	410.500	0.00	0.00	0.022	O	|	|	|	|	0.05
405.417	0.00	0.00	0.023	O	|	|	|	|	0.05	410.583	0.00	0.00	0.022	O	|	|	|	|	0.05
405.500	0.00	0.00	0.023	O	|	|	|	|	0.05	410.667	0.00	0.00	0.022	O	|	|	|	|	0.05
405.583	0.00	0.00	0.023	O	|	|	|	|	0.05	410.750	0.00	0.00	0.022	O	|	|	|	|	0.05
405.667	0.00	0.00	0.023	O	|	|	|	|	0.05	410.833	0.00	0.00	0.022	O	|	|	|	|	0.05
405.750	0.00	0.00	0.023	O	|	|	|	|	0.05	410.917	0.00	0.00	0.022	O	|	|	|	|	0.05
405.833	0.00	0.00	0.023	O	|	|	|	|	0.05	411.000	0.00	0.00	0.022	O	|	|	|	|	0.05
405.917	0.00	0.00	0.023	O	|	|	|	|	0.05	411.083	0.00	0.00	0.022	O	|	|	|	|	0.05
406.000	0.00	0.00	0.023	O	|	|	|	|	0.05	411.167	0.00	0.00	0.022	O	|	|	|	|	0.05
406.083	0.00	0.00	0.023	O	|	|	|	|	0.05	411.250	0.00	0.00	0.022	O	|	|	|	|	0.05
406.167	0.00	0.00	0.023	O	|	|	|	|	0.05	411.333	0.00	0.00	0.022	O	|	|	|	|	0.05
406.250	0.00	0.00	0.023	O	|	|	|	|	0.05	411.417	0.00	0.00	0.022	O	|	|	|	|	0.05
406.333	0.00	0.00	0.023	O	|	|	|	|	0.05	411.500	0.00	0.00	0.022	O	|	|	|	|	0.05
406.417	0.00	0.00	0.023	O	|	|	|	|	0.05	411.583	0.00	0.00	0.022	O	|	|	|	|	0.05
406.500	0.00	0.00	0.023	O	|	|	|	|	0.05	411.667	0.00	0.00	0.022	O	|	|	|	|	0.05
406.583	0.00	0.00	0.023	O	|	|	|	|	0.05	411.750	0.00	0.00	0.022	O	|	|	|	|	0.05
406.667	0.00	0.00	0.023	O	|	|	|	|	0.05	411.833	0.00	0.00	0.022	O	|	|	|	|	0.05
406.750	0.00	0.00	0.023	O	|	|	|	|	0.05	411.917	0.00	0.00	0.022	O	|	|	|	|	0.05
406.833	0.00	0.00	0.022	O	|	|	|	|	0.05	412.000	0.00	0.00	0.021	O	|	|	|	|	0.05
406.917	0.00	0.00	0.022	O	|	|	|	|	0.05	412.083	0.00	0.00	0.021	O	|	|	|	|	0.05
407.000	0.00	0.00	0.022	O	|	|	|	|	0.05	412.167	0.00	0.00	0.021	O	|	|	|	|	0.05
407.083	0.00	0.00	0.022	O	|	|	|	|	0.05	412.250	0.00	0.00	0.021	O	|	|	|	|	0.05

412.333	0.00	0.00	0.021	O	|	|	|	|	0.05
412.417	0.00	0.00	0.021	O	|	|	|	|	0.05
412.500	0.00	0.00	0.021	O	|	|	|	|	0.05
412.583	0.00	0.00	0.021	O	|	|	|	|	0.05
412.667	0.00	0.00	0.021	O	|	|	|	|	0.05
412.750	0.00	0.00	0.021	O	|	|	|	|	0.05
412.833	0.00	0.00	0.021	O	|	|	|	|	0.05
412.917	0.00	0.00	0.021	O	|	|	|	|	0.04
413.000	0.00	0.00	0.021	O	|	|	|	|	0.04
413.083	0.00	0.00	0.021	O	|	|	|	|	0.04
413.167	0.00	0.00	0.021	O	|	|	|	|	0.04
413.250	0.00	0.00	0.021	O	|	|	|	|	0.04
413.333	0.00	0.00	0.021	O	|	|	|	|	0.04
413.417	0.00	0.00	0.021	O	|	|	|	|	0.04
413.500	0.00	0.00	0.021	O	|	|	|	|	0.04
413.583	0.00	0.00	0.021	O	|	|	|	|	0.04
413.667	0.00	0.00	0.021	O	|	|	|	|	0.04
413.750	0.00	0.00	0.021	O	|	|	|	|	0.04
413.833	0.00	0.00	0.021	O	|	|	|	|	0.04
413.917	0.00	0.00	0.021	O	|	|	|	|	0.04
414.000	0.00	0.00	0.021	O	|	|	|	|	0.04
414.083	0.00	0.00	0.021	O	|	|	|	|	0.04
414.167	0.00	0.00	0.021	O	|	|	|	|	0.04
414.250	0.00	0.00	0.021	O	|	|	|	|	0.04
414.333	0.00	0.00	0.021	O	|	|	|	|	0.04
414.417	0.00	0.00	0.021	O	|	|	|	|	0.04
414.500	0.00	0.00	0.021	O	|	|	|	|	0.04
414.583	0.00	0.00	0.021	O	|	|	|	|	0.04
414.667	0.00	0.00	0.021	O	|	|	|	|	0.04
414.750	0.00	0.00	0.021	O	|	|	|	|	0.04
414.833	0.00	0.00	0.021	O	|	|	|	|	0.04
414.917	0.00	0.00	0.021	O	|	|	|	|	0.04
415.000	0.00	0.00	0.021	O	|	|	|	|	0.04
415.083	0.00	0.00	0.021	O	|	|	|	|	0.04
415.167	0.00	0.00	0.021	O	|	|	|	|	0.04
415.250	0.00	0.00	0.021	O	|	|	|	|	0.04
415.333	0.00	0.00	0.021	O	|	|	|	|	0.04
415.417	0.00	0.00	0.021	O	|	|	|	|	0.04
415.500	0.00	0.00	0.021	O	|	|	|	|	0.04
415.583	0.00	0.00	0.021	O	|	|	|	|	0.04
415.667	0.00	0.00	0.021	O	|	|	|	|	0.04
415.750	0.00	0.00	0.021	O	|	|	|	|	0.04
415.833	0.00	0.00	0.021	O	|	|	|	|	0.04
415.917	0.00	0.00	0.021	O	|	|	|	|	0.04
416.000	0.00	0.00	0.021	O	|	|	|	|	0.04
416.083	0.00	0.00	0.021	O	|	|	|	|	0.04
416.167	0.00	0.00	0.021	O	|	|	|	|	0.04
416.250	0.00	0.00	0.021	O	|	|	|	|	0.04
416.333	0.00	0.00	0.021	O	|	|	|	|	0.04
416.417	0.00	0.00	0.021	O	|	|	|	|	0.04
416.500	0.00	0.00	0.021	O	|	|	|	|	0.04
416.583	0.00	0.00	0.021	O	|	|	|	|	0.04
416.667	0.00	0.00	0.021	O	|	|	|	|	0.04

Remaining water in basin = 0.02 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.168 (CFS)

Total volume = 0.900 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

Process from Point/Station 10.200 to Point/Station 10.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****

Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 1 with
a starting time of 0.00 hours and ending time of 25.00 hours
With a total volume of 0.25(Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.168	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.252	0.000	0.000	0.000	0.000

****

Process from Point/Station 10.400 to Point/Station 10.500
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP10B1003100.rte

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	9.4	18.8	28.2	37.6
0+ 5	1.0005	1.00	Q	|	|	|	|
0+10	2.3173	2.32	Q	|	|	|	|
0+15	2.3684	2.37	Q	|	|	|	|
0+20	2.7329	2.73	Q	|	|	|	|
0+25	3.3976	3.40	Q	|	|	|	|
0+30	4.1598	4.16	Q	|	|	|	|
0+35	4.3885	4.39	Q	|	|	|	|
0+40	4.3151	4.32	Q	|	|	|	|
0+45	5.0733	5.07	Q	|	|	|	|
0+50	4.5236	4.52	Q	|	|	|	|
0+55	3.9005	3.90	Q	|	|	|	|
1+ 0	4.4945	4.49	Q	|	|	|	|
1+ 5	5.9728	5.97	Q	|	|	|	|
1+10	7.2289	7.23	Q	|	|	|	|

```
  1+15       7.4259      7.43  |      Q  |         |         |         |
  1+20       7.0196      7.02  |      Q  |         |         |         |
  1+25       7.7602      7.76  |       Q |         |         |         |
  1+30       9.6264      9.63  |         Q         |         |         |
  1+35       9.5096      9.51  |         Q         |         |         |
  1+40       9.3965      9.40  |        Q|         |         |         |
  1+45      11.4573     11.46  |         | Q       |         |         |
  1+50      12.8639     12.86  |         |  Q      |         |         |
  1+55      12.1408     12.14  |         | Q       |         |         |
  2+ 0      11.7421     11.74  |         | Q       |         |         |
  2+ 5      12.1445     12.14  |         | Q       |         |         |
  2+10      14.8811     14.88  |         |    Q    |         |         |
  2+15      19.8771     19.88  |         |         |Q        |         |
  2+20      19.3977     19.40  |         |         Q         |         |
  2+25      22.7661     22.77  |         |         |   Q     |         |
  2+30      32.8070     32.81  |         |         |         |   Q     |
  2+35      37.5940     37.59  |         |         |         |         Q
  2+40      35.6429     35.64  |         |         |         |     Q   |
  2+45      20.8581     20.86  |         |         | Q       |         |
  2+50       8.1711      8.17  |       Q |         |         |         |
  2+55       5.6424      5.64  |     Q   |         |         |         |
  3+ 0       3.6517      3.65  |  Q      |         |         |         |
  3+ 5       1.1023      1.10  |Q        |         |         |         |
  3+10       0.1722      0.17  Q         |         |         |         |
  3+15       0.0176      0.02  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =    39
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       37.594 (CFS)
                        Total volume =       2.683 (Ac.Ft)
                Status of hydrographs being held in storage
                          Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)       0.168     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)      0.252     0.000     0.000     0.000     0.000
        ************************************************************************


        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.500 to Point/Station       10.700
        **** STREAM ROUTING SCS CONVEX METHOD ****
        ________________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =   1567.00 (Ft.)
        Elevation difference =   33.00 (Ft.)
        Slope of channel =  0.021059 (Vert/Horiz)
        Channel type - Pipe


        Pipe length  =  1567.00(Ft.)   Elevation difference =  33.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using mean flow rate of hydrograph
        Required pipe flow  =    11.236(CFS)
        Given pipe size =     30.00(In.)
        Calculated individual pipe flow  =    11.236(CFS)
        Normal flow depth in pipe =    8.83(In.)
        Flow top width inside pipe =   27.34(In.)
        Critical Depth =    1.13(Ft.)
        Pipe flow velocity =      9.31(Ft/s)
        Travel time through pipe =    2.80 min.


        Pipe length  =  1567.00(Ft.)   Elevation difference =  33.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using maximum flow rate of hydrograph
        Required pipe flow  =    37.594(CFS)
        Given pipe size =     30.00(In.)
        Calculated individual pipe flow  =    37.594(CFS)
        Normal flow depth in pipe =   17.30(In.)
        Flow top width inside pipe =   29.65(In.)
        Critical Depth =    2.07(Ft.)
        Pipe flow velocity =     12.83(Ft/s)
        Travel time through pipe =    2.04 min.


        ********************** SCS CONVEX CHANNEL ROUTING **********************
        Convex method of stream routing  data items:
        Using equation: Outflow =
        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.8830   Travel time =   2.04 (min.)
                dt*(unit time interval) =   5.00(min.),  e=   2.1872
                dt(routing time-step) =   1.80 (min.),   c* =   0.9908

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)
        ------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0         9.4       18.8       28.2       37.6
------------------------------------------------------------------------------
  0+ 5       0.6349      1.00  OI        |         |         |         |
  0+10       1.8327      2.32  |OI       |         |         |         |
  0+15       2.3453      2.37  | O       |         |         |         |
  0+20       2.5995      2.73  | O       |         |         |         |
  0+25       3.1535      3.40  |  O      |         |         |         |
  0+30       3.8790      4.16  |   O     |         |         |         |
  0+35       4.3023      4.39  |   O     |         |         |         |
  0+40       4.3411      4.32  |   O     |         |         |         |
  0+45       4.7965      5.07  |    O    |         |         |         |
  0+50       4.7220      4.52  |   IO    |         |         |         |
  0+55       4.1301      3.90  |   O     |         |         |         |
  1+ 0       4.2795      4.49  |   O     |         |         |         |
  1+ 5       5.4306      5.97  |    OI   |         |         |         |
  1+10       6.7649      7.23  |      O  |         |         |         |
  1+15       7.3496      7.43  |      O  |         |         |         |
  1+20       7.1674      7.02  |      O  |         |         |         |
  1+25       7.4909      7.76  |      OI |         |         |         |
  1+30       8.9419      9.63  |        OI         |         |         |
  1+35       9.5460      9.51  |         O         |         |         |
  1+40       9.4382      9.40  |        IO         |         |         |
  1+45      10.7045     11.46  |         |OI       |         |         |
  1+50      12.3429     12.86  |         |  O      |         |         |
  1+55      12.4003     12.14  |         | IO      |         |         |
  2+ 0      11.8902     11.74  |         | O       |         |         |
  2+ 5      11.9988     12.14  |         | O       |         |         |
  2+10      13.8796     14.88  |         |   OI    |         |         |
```

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  2+15      18.0420     19.88  |          |        O|I        |          |
  2+20      19.5561     19.40  |          |         O         |          |
  2+25      21.5365     22.77  |          |          | O I    |          |
  2+30      29.1261     32.81  |          |          |        O   I     |
  2+35      35.8107     37.59  |          |          |          |       O I
  2+40      36.3396     35.64  |          |          |          |      IO |
  2+45      26.2679     20.86  |          |          | I    O   |          |
  2+50      12.8574      8.17  |       I  |  O       |          |          |
  2+55       6.6095      5.64  |     IO   |          |          |          |
  3+ 0       4.3881      3.65  |  IO      |          |          |          |
  3+ 5       2.0408      1.10  |IO        |          |          |          |
  3+10       0.5208      0.17  O          |          |          |          |
  3+15       0.0773      0.02  O          |          |          |          |
  3+20       0.0070      0.00  O          |          |          |          |
  3+25       0.0000      0.00  O          |          |          |          |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                      Number of intervals =    41
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =       36.340 (CFS)
                      Total volume =       2.683 (Ac.Ft)
                Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.168     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.252     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.600 to Point/Station       10.700
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                      From study/file name: MESAP10C1003100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       P R I N T  O F  S T O R M
                    R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0       16.6      33.2      49.7      66.3
 ------------------------------------------------------------------------
   0+ 5       1.0210      1.66  Q          |         |         |         |
   0+10       2.2578      4.09  |qQ        |         |         |         |
   0+15       2.2419      4.59  |qQ        |         |         |         |
   0+20       2.6023      5.20  |q Q       |         |         |         |
   0+25       3.2449      6.40  |q Q       |         |         |         |
   0+30       3.8879      7.77  | q Q      |         |         |         |
   0+35       4.0211      8.32  | q  Q     |         |         |         |
   0+40       3.9960      8.34  | q  Q     |         |         |         |
   0+45       4.5926      9.39  | q  Q     |         |         |         |
   0+50       4.1134      8.84  | q  Q     |         |         |         |
   0+55       3.6412      7.77  | q Q      |         |         |         |
   1+ 0       4.1438      8.42  | q  Q     |         |         |         |
   1+ 5       5.3487     10.78  |  q  Q    |         |         |         |
   1+10       6.3132     13.08  |  q   Q   |         |         |         |
   1+15       6.4468     13.80  |  q    Q  |         |         |         |
   1+20       6.0973     13.26  |  q    Q  |         |         |         |
   1+25       6.7601     14.25  |  q   Q   |         |         |         |
   1+30       8.2302     17.17  |  q     Q |         |         |         |
   1+35       8.0730     17.62  |  q     Q |         |         |         |
   1+40       8.0180     17.46  |  q     Q |         |         |         |
   1+45       9.7157     20.42  |   q    | Q       |         |         |
   1+50      10.7682     23.11  |    q   |  Q      |         |         |
   1+55      10.1493     22.55  |    q   |  Q      |         |         |
   2+ 0       9.8557     21.75  |   q    |  Q      |         |         |
   2+ 5      10.1933     22.19  |    q   |  Q      |         |         |
   2+10      12.4759     26.36  |     q  |    Q    |         |         |
   2+15      16.4625     34.50  |       q|         Q         |         |
   2+20      15.8227     35.38  |        q|         |Q        |         |
   2+25      18.8744     40.41  |         |q        |  Q      |         |
   2+30      26.7865     55.91  |         |    q    |         |  Q      |
   2+35      30.5129     66.32  |         |      q  |         |        Q
   2+40      28.5990     64.94  |         |      q  |         |       Q|
   2+45      16.5158     42.78  |        q|         |   Q     |        |
   2+50       6.7326     19.59  |  q      |Q        |         |        |
   2+55       4.9622     11.57  | q  Q    |         |         |        |
   3+ 0       3.2039      7.59  |q  Q     |         |         |        |
   3+ 5       0.9309      2.97  qQ         |         |         |        |
   3+10       0.1310      0.65  Q          |         |         |        |
   3+15       0.0129      0.09  Q          |         |         |        |
   3+20       0.0000      0.01  Q          |         |         |        |
   3+25       0.0000      0.00  Q          |         |         |        |
------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                      Number of intervals =    41
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =       66.324 (CFS)
                      Total volume =       4.940 (Ac.Ft)
                Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.168     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)     0.252     0.000     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.700 to Point/Station       10.900
        **** STREAM ROUTING SCS CONVEX METHOD ****
        ________________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =   1680.00 (Ft.)
        Elevation difference =   76.00 (Ft.)
        Slope of channel =  0.045238 (Vert/Horiz)
        Channel type - Pipe


        Pipe length  =  1680.00(Ft.)   Elevation difference =  76.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using mean flow rate of hydrograph
        Required pipe flow  =    20.449(CFS)
        Given pipe size =     42.00(In.)
        Calculated individual pipe flow  =    20.449(CFS)
        Normal flow depth in pipe =    8.77(In.)
        Flow top width inside pipe =   34.14(In.)
        Critical Depth =    1.38(Ft.)
        Pipe flow velocity =     14.04(Ft/s)
        Travel time through pipe =    1.99 min.
```

```
Pipe length  =  1680.00(Ft.)   Elevation difference =  76.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =    66.324(CFS)
Given pipe size =     42.00(In.)
Calculated individual pipe flow  =    66.324(CFS)
Normal flow depth in pipe =   16.05(In.)
Flow top width inside pipe =   40.82(In.)
Critical Depth =    2.55(Ft.)
Pipe flow velocity =     19.62(Ft/s)
Travel time through pipe =    1.43 min.


********************** SCS CONVEX CHANNEL ROUTING *********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.9203   Travel time =   1.43 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   2.8711
        dt(routing time-step) =   1.31 (min.),   c* =   0.9993

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                  P R I N T  O F  S T O R M
               R u n o f f     H y d r o g r a p h
-----------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

-----------------------------------------------------------------------
```

Time(h+m)	Out = O(CFS)	In = I	0	16.6	33.2	49.7	66.3
0+ 5	1.2200	1.66	O				
0+10	3.4493	4.09	O				
0+15	4.4560	4.59	O				
0+20	5.0399	5.20	O				
0+25	6.0833	6.40	O				
0+30	7.4064	7.77	O				
0+35	8.1767	8.32	OI				
0+40	8.3334	8.34	O				
0+45	9.1122	9.39	O				
0+50	8.9810	8.84	O				
0+55	8.0515	7.77	O				
1+ 0	8.2519	8.42	OI				
1+ 5	10.1590	10.78	O				
1+10	12.4725	13.08	O				
1+15	13.6069	13.80	O				
1+20	13.4046	13.26	O				
1+25	13.9915	14.25	O				
1+30	16.4030	17.17	OI				
1+35	17.5009	17.62	O				
1+40	17.4989	17.46	O				
1+45	19.6400	20.42	OI				
1+50	22.4022	23.11	O				
1+55	22.6969	22.55	O				
2+ 0	21.9576	21.75	O				
2+ 5	22.0748	22.19	O				
2+10	25.2595	26.36	O				
2+15	32.3588	34.50	OI				
2+20	35.1472	35.38	O				
2+25	39.0862	40.41	OI				
2+30	51.8313	55.91	O I				
2+35	63.5804	66.32	O I				
2+40	65.3013	64.94	O				
2+45	48.6156	42.78	I O				
2+50	25.6992	19.59	I O				
2+55	13.6866	11.57	I O				
3+ 0	8.6411	7.59	IO				
3+ 5	4.1886	2.97	IO				
3+10	1.2633	0.65	O				
3+15	0.2385	0.09	O				
3+20	0.0290	0.01	O				
3+25	0.0019	0.00	O				
3+30	0.0000	0.00	O				

```
----------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    42
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       65.301 (CFS)
                    Total volume =       4.940 (Ac.Ft)
          Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.168     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)     0.252     0.000     0.000     0.000     0.000
        ************************************************************************


        ----------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.800 to Point/Station       10.900
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP10D1003100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ----------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ----------------------------------------------------------------------
```

Time(h+m)	Add q(CFS)	Tot. Q	0	28.9	57.8	86.7	115.6
0+ 5	2.3818	3.60	qQ				
0+10	6.3524	9.80	qQ				
0+15	6.7080	11.16	qQ				
0+20	7.0161	12.06	q Q				
0+25	8.4512	14.53	q Q				
0+30	9.4333	16.84	q Q				
0+35	9.9461	18.12	q Q				
0+40	9.7415	18.07	q Q				
0+45	10.7050	19.82	q Q				
0+50	10.2195	19.20	q Q				
0+55	9.3237	17.38	q Q				
1+ 0	9.9486	18.20	q Q				
1+ 5	11.6799	21.84	q Q				
1+10	13.3815	25.85	q Q				
1+15	13.7344	27.34	q Q				

```
   1+20      13.3415     26.75  |   q    Q|          |          |          |
   1+25      13.9782     27.97  |   q    Q|          |          |          |
   1+30      16.3646     32.77  |    q    |Q         |          |          |
   1+35      16.5032     34.00  |    q    |Q         |          |          |
   1+40      16.1995     33.70  |    q    |Q         |          |          |
   1+45      18.5510     38.19  |     q   |  Q       |          |          |
   1+50      20.6009     43.00  |      q  |   Q      |          |          |
   1+55      19.8736     42.57  |     q   |   Q      |          |          |
   2+ 0      19.2794     41.24  |     q   |   Q      |          |          |
   2+ 5      19.7376     41.81  |     q   |   Q      |          |          |
   2+10      22.7076     47.97  |      q  |     Q    |          |          |
   2+15      28.8851     61.24  |        q|          |Q         |          |
   2+20      29.3945     64.54  |         q          | Q        |          |
   2+25      32.0492     71.14  |         |q         |   Q      |          |
   2+30      44.9153     96.75  |         |    q     |          |  Q       |
   2+35      51.3642    114.94  |         |      q   |          |       Q  |
   2+40      50.3304    115.63  |         |      q   |          |        Q |
   2+45      33.3928     82.01  |         |q         |       Q  |          |
   2+50      16.2207     41.92  |    q    |   Q      |          |          |
   2+55      12.0506     25.74  |   q   Q |          |          |          |
   3+ 0       8.6541     17.30  | q  Q    |          |          |          |
   3+ 5       3.1970      7.39  |qQ       |          |          |          |
   3+10       0.6486      1.91  Q         |          |          |          |
   3+15       0.1411      0.38  Q         |          |          |          |
   3+20       0.0216      0.05  Q         |          |          |          |
   3+25       0.0000      0.00  Q         |          |          |          |
   3+30       0.0000      0.00  Q         |          |          |          |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA*****************************
                    Number of intervals =    42
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      115.632 (CFS)
                    Total volume =       9.399 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.168     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)     0.252     0.000     0.000     0.000     0.000
      ************************************************************************


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      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.900 to Point/Station       10.900
      **** RETARDING BASIN ROUTING ****
      ________________________________________________________________________

      User entry of depth-outflow-storage data
      ---------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 42
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
            (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
```

```
      ---------------------------------------------------------------------
        0.000      0.000      0.000      0.000      0.000
        1.000      0.202      0.500      0.200      0.204
        2.000      0.459      0.730      0.456      0.462
        3.000      0.776      0.910      0.773      0.779
        4.000      1.161      1.060      1.157      1.165
        5.000      1.619      1.190      1.615      1.623
        6.000      2.155      1.300      2.151      2.159
        7.000      2.778      1.410      2.773      2.783
        8.000      3.493      1.510      3.488      3.498
        9.000      4.304      1.600      4.298      4.310
       10.000      5.213      1.690      5.207      5.219
       10.500      5.705      1.730      5.699      5.711
       11.000      6.223      1.770      6.217      6.229
       12.000      7.337     10.090      7.302      7.372
       13.000      8.556     14.950      8.505      8.607
       14.000      9.883     26.700      9.791      9.975
       15.000     11.321     68.380     11.086     11.556
       16.000     12.871    136.500     12.401     13.341
       16.500     13.690    177.350     13.079     14.301
      ---------------------------------------------------------------------
                    Hydrograph Detention Basin Routing
      ---------------------------------------------------------------------

      Graph values: 'I'= unit inflow; 'O'=outflow at time shown
      ---------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                      Depth
(Hours)  (CFS)    (CFS)     (Ac.Ft) .0      28.9    57.82   86.72  115.63 (Ft.)
 0.083    3.60     0.03      0.012  O       |       |       |       |     0.06
 0.167    9.80     0.14      0.058  O I     |       |       |       |     0.29
 0.250   11.16     0.32      0.128  O  I    |       |       |       |     0.64
 0.333   12.06     0.50      0.206  O  I    |       |       |       |     1.01
 0.417   14.53     0.58      0.293  O   I   |       |       |       |     1.36
 0.500   16.84     0.67      0.397  O   I   |       |       |       |     1.76
 0.583   18.12     0.76      0.513  O    I  |       |       |       |     2.17
 0.667   18.07     0.83      0.632  O    I  |       |       |       |     2.54
 0.750   19.82     0.90      0.756  O    I  |       |       |       |     2.94
 0.833   19.20     0.95      0.884  O    I  |       |       |       |     3.28
 0.917   17.38     1.00      1.004  O   I   |       |       |       |     3.59
 1.000   18.20     1.04      1.119  O    I  |       |       |       |     3.89
 1.083   21.84     1.09      1.250  O     I |       |       |       |     4.19
 1.167   25.85     1.13      1.406  O      I|       |       |       |     4.54
 1.250   27.34     1.18      1.581  O      I|       |       |       |     4.92
 1.333   26.75     1.22      1.759  O      I|       |       |       |     5.26
 1.417   27.97     1.26      1.939  O      I|       |       |       |     5.60
 1.500   32.77     1.30      2.140  O       |I      |       |       |     5.97
 1.583   34.00     1.34      2.360  O       |I      |       |       |     6.33
 1.667   33.70     1.38      2.584  O       |I      |       |       |     6.69
 1.750   38.19     1.42      2.822  O       | I     |       |       |     7.06
 1.833   43.00     1.45      3.092  O       |  I    |       |       |     7.44
 1.917   42.57     1.49      3.376  O       |  I    |       |       |     7.84
 2.000   41.24     1.53      3.655  O       |  I    |       |       |     8.20
 2.083   41.81     1.56      3.930  O       |  I    |       |       |     8.54
 2.167   47.97     1.59      4.228  O       |    I  |       |       |     8.91
 2.250   61.24     1.63      4.593  O       |       I       |       |     9.32
 2.333   64.54     1.67      5.015  O       |       |I      |       |     9.78
 2.417   71.14     1.71      5.471  O       |       |  I    |       |    10.26
 2.500   96.75     1.76      6.037  O       |       |       | I     |    10.82
 2.583  114.94     5.63      6.740  |O      |       |       |      I|    11.46
 2.667  115.63    10.65      7.478  | O     |       |       |      I|    12.12
 2.750   82.01    13.04      8.077  |  O    |       |     I |       |    12.61
 2.833   41.92    14.37      8.410  |  O    |  I    |       |       |    12.88
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2.917	25.74	14.89	8.542	| O I|	|	|	|	12.99	8.083	0.00	1.76	6.085	O	|	|	|	|	10.87
3.000	17.30	15.22	8.586	| O |	|	|	|	13.02	8.167	0.00	1.76	6.073	O	|	|	|	|	10.86
3.083	7.39	15.05	8.567	| I O |	|	|	|	13.01	8.250	0.00	1.76	6.061	O	|	|	|	|	10.84
3.167	1.91	14.71	8.497	I O |	|	|	|	12.95	8.333	0.00	1.76	6.049	O	|	|	|	|	10.83
3.250	0.38	14.35	8.404	I O |	|	|	|	12.88	8.417	0.00	1.76	6.037	O	|	|	|	|	10.82
3.333	0.05	13.96	8.308	I O |	|	|	|	12.80	8.500	0.00	1.75	6.025	O	|	|	|	|	10.81
3.417	0.00	13.59	8.214	I O |	|	|	|	12.72	8.583	0.00	1.75	6.013	O	|	|	|	|	10.80
3.500	0.00	13.22	8.121	I O |	|	|	|	12.64	8.667	0.00	1.75	6.001	O	|	|	|	|	10.79
3.583	0.00	12.86	8.032	I O |	|	|	|	12.57	8.750	0.00	1.75	5.988	O	|	|	|	|	10.77
3.667	0.00	12.51	7.944	I O |	|	|	|	12.50	8.833	0.00	1.75	5.976	O	|	|	|	|	10.76
3.750	0.00	12.17	7.859	I O |	|	|	|	12.43	8.917	0.00	1.75	5.964	O	|	|	|	|	10.75
3.833	0.00	11.84	7.777	I O |	|	|	|	12.36	9.000	0.00	1.75	5.952	O	|	|	|	|	10.74
3.917	0.00	11.52	7.696	I O |	|	|	|	12.29	9.083	0.00	1.75	5.940	O	|	|	|	|	10.73
4.000	0.00	11.21	7.618	I O |	|	|	|	12.23	9.167	0.00	1.75	5.928	O	|	|	|	|	10.72
4.083	0.00	10.91	7.542	I O |	|	|	|	12.17	9.250	0.00	1.75	5.916	O	|	|	|	|	10.70
4.167	0.00	10.61	7.468	I O |	|	|	|	12.11	9.333	0.00	1.75	5.904	O	|	|	|	|	10.69
4.250	0.00	10.32	7.396	I O |	|	|	|	12.05	9.417	0.00	1.74	5.892	O	|	|	|	|	10.68
4.333	0.00	10.00	7.326	I O |	|	|	|	11.99	9.500	0.00	1.74	5.880	O	|	|	|	|	10.67
4.417	0.00	9.50	7.258	I O |	|	|	|	11.93	9.583	0.00	1.74	5.868	O	|	|	|	|	10.66
4.500	0.00	9.03	7.195	I O |	|	|	|	11.87	9.667	0.00	1.74	5.856	O	|	|	|	|	10.65
4.583	0.00	8.57	7.134	I O |	|	|	|	11.82	9.750	0.00	1.74	5.844	O	|	|	|	|	10.63
4.667	0.00	8.14	7.076	I O |	|	|	|	11.77	9.833	0.00	1.74	5.832	O	|	|	|	|	10.62
4.750	0.00	7.74	7.022	I O |	|	|	|	11.72	9.917	0.00	1.74	5.820	O	|	|	|	|	10.61
4.833	0.00	7.35	6.970	I O |	|	|	|	11.67	10.000	0.00	1.74	5.808	O	|	|	|	|	10.60
4.917	0.00	6.98	6.920	IO |	|	|	|	11.63	10.083	0.00	1.74	5.796	O	|	|	|	|	10.59
5.000	0.00	6.63	6.874	IO |	|	|	|	11.58	10.167	0.00	1.74	5.784	O	|	|	|	|	10.58
5.083	0.00	6.30	6.829	IO |	|	|	|	11.54	10.250	0.00	1.74	5.772	O	|	|	|	|	10.56
5.167	0.00	5.98	6.787	IO |	|	|	|	11.51	10.333	0.00	1.73	5.760	O	|	|	|	|	10.55
5.250	0.00	5.68	6.747	IO |	|	|	|	11.47	10.417	0.00	1.73	5.748	O	|	|	|	|	10.54
5.333	0.00	5.40	6.708	IO |	|	|	|	11.44	10.500	0.00	1.73	5.736	O	|	|	|	|	10.53
5.417	0.00	5.13	6.672	IO |	|	|	|	11.40	10.583	0.00	1.73	5.725	O	|	|	|	|	10.52
5.500	0.00	4.87	6.638	IO |	|	|	|	11.37	10.667	0.00	1.73	5.713	O	|	|	|	|	10.51
5.583	0.00	4.62	6.605	IO |	|	|	|	11.34	10.750	0.00	1.73	5.701	O	|	|	|	|	10.50
5.667	0.00	4.39	6.574	IO |	|	|	|	11.32	10.833	0.00	1.73	5.689	O	|	|	|	|	10.48
5.750	0.00	4.17	6.545	IO |	|	|	|	11.29	10.917	0.00	1.73	5.677	O	|	|	|	|	10.47
5.833	0.00	3.96	6.517	IO |	|	|	|	11.26	11.000	0.00	1.73	5.665	O	|	|	|	|	10.46
5.917	0.00	3.76	6.490	IO |	|	|	|	11.24	11.083	0.00	1.73	5.653	O	|	|	|	|	10.45
6.000	0.00	3.58	6.465	O |	|	|	|	11.22	11.167	0.00	1.72	5.641	O	|	|	|	|	10.44
6.083	0.00	3.40	6.441	O |	|	|	|	11.20	11.250	0.00	1.72	5.629	O	|	|	|	|	10.42
6.167	0.00	3.23	6.418	O |	|	|	|	11.17	11.333	0.00	1.72	5.618	O	|	|	|	|	10.41
6.250	0.00	3.06	6.396	O |	|	|	|	11.16	11.417	0.00	1.72	5.606	O	|	|	|	|	10.40
6.333	0.00	2.91	6.376	O |	|	|	|	11.14	11.500	0.00	1.72	5.594	O	|	|	|	|	10.39
6.417	0.00	2.76	6.356	O |	|	|	|	11.12	11.583	0.00	1.72	5.582	O	|	|	|	|	10.37
6.500	0.00	2.63	6.338	O |	|	|	|	11.10	11.667	0.00	1.72	5.570	O	|	|	|	|	10.36
6.583	0.00	2.49	6.320	O |	|	|	|	11.09	11.750	0.00	1.72	5.558	O	|	|	|	|	10.35
6.667	0.00	2.37	6.303	O |	|	|	|	11.07	11.833	0.00	1.72	5.546	O	|	|	|	|	10.34
6.750	0.00	2.25	6.287	O |	|	|	|	11.06	11.917	0.00	1.72	5.535	O	|	|	|	|	10.33
6.833	0.00	2.14	6.272	O |	|	|	|	11.04	12.000	0.00	1.72	5.523	O	|	|	|	|	10.31
6.917	0.00	2.03	6.258	O |	|	|	|	11.03	12.083	0.00	1.71	5.511	O	|	|	|	|	10.30
7.000	0.00	1.93	6.244	O |	|	|	|	11.02	12.167	0.00	1.71	5.499	O	|	|	|	|	10.29
7.083	0.00	1.83	6.231	O |	|	|	|	11.01	12.250	0.00	1.71	5.487	O	|	|	|	|	10.28
7.167	0.00	1.77	6.219	O |	|	|	|	11.00	12.333	0.00	1.71	5.476	O	|	|	|	|	10.27
7.250	0.00	1.77	6.207	O |	|	|	|	10.98	12.417	0.00	1.71	5.464	O	|	|	|	|	10.25
7.333	0.00	1.77	6.194	O |	|	|	|	10.97	12.500	0.00	1.71	5.452	O	|	|	|	|	10.24
7.417	0.00	1.77	6.182	O |	|	|	|	10.96	12.583	0.00	1.71	5.440	O	|	|	|	|	10.23
7.500	0.00	1.77	6.170	O |	|	|	|	10.95	12.667	0.00	1.71	5.429	O	|	|	|	|	10.22
7.583	0.00	1.76	6.158	O |	|	|	|	10.94	12.750	0.00	1.71	5.417	O	|	|	|	|	10.21
7.667	0.00	1.76	6.146	O |	|	|	|	10.93	12.833	0.00	1.71	5.405	O	|	|	|	|	10.20
7.750	0.00	1.76	6.134	O |	|	|	|	10.91	12.917	0.00	1.70	5.393	O	|	|	|	|	10.18
7.833	0.00	1.76	6.122	O |	|	|	|	10.90	13.000	0.00	1.70	5.382	O	|	|	|	|	10.17
7.917	0.00	1.76	6.109	O |	|	|	|	10.89	13.083	0.00	1.70	5.370	O	|	|	|	|	10.16
8.000	0.00	1.76	6.097	O |	|	|	|	10.88	13.167	0.00	1.70	5.358	O	|	|	|	|	10.15

13.250	0.00	1.70	5.346	O					10.14	18.417	0.00	1.63	4.634	O					9.36
13.333	0.00	1.70	5.335	O					10.12	18.500	0.00	1.63	4.623	O					9.35
13.417	0.00	1.70	5.323	O					10.11	18.583	0.00	1.63	4.612	O					9.34
13.500	0.00	1.70	5.311	O					10.10	18.667	0.00	1.63	4.601	O					9.33
13.583	0.00	1.70	5.300	O					10.09	18.750	0.00	1.63	4.589	O					9.31
13.667	0.00	1.70	5.288	O					10.08	18.833	0.00	1.63	4.578	O					9.30
13.750	0.00	1.70	5.276	O					10.06	18.917	0.00	1.63	4.567	O					9.29
13.833	0.00	1.69	5.265	O					10.05	19.000	0.00	1.62	4.556	O					9.28
13.917	0.00	1.69	5.253	O					10.04	19.083	0.00	1.62	4.545	O					9.26
14.000	0.00	1.69	5.241	O					10.03	19.167	0.00	1.62	4.533	O					9.25
14.083	0.00	1.69	5.230	O					10.02	19.250	0.00	1.62	4.522	O					9.24
14.167	0.00	1.69	5.218	O					10.00	19.333	0.00	1.62	4.511	O					9.23
14.250	0.00	1.69	5.206	O					9.99	19.417	0.00	1.62	4.500	O					9.22
14.333	0.00	1.69	5.195	O					9.98	19.500	0.00	1.62	4.489	O					9.20
14.417	0.00	1.69	5.183	O					9.97	19.583	0.00	1.62	4.478	O					9.19
14.500	0.00	1.69	5.171	O					9.95	19.667	0.00	1.62	4.467	O					9.18
14.583	0.00	1.68	5.160	O					9.94	19.750	0.00	1.61	4.455	O					9.17
14.667	0.00	1.68	5.148	O					9.93	19.833	0.00	1.61	4.444	O					9.15
14.750	0.00	1.68	5.137	O					9.92	19.917	0.00	1.61	4.433	O					9.14
14.833	0.00	1.68	5.125	O					9.90	20.000	0.00	1.61	4.422	O					9.13
14.917	0.00	1.68	5.113	O					9.89	20.083	0.00	1.61	4.411	O					9.12
15.000	0.00	1.68	5.102	O					9.88	20.167	0.00	1.61	4.400	O					9.11
15.083	0.00	1.68	5.090	O					9.87	20.250	0.00	1.61	4.389	O					9.09
15.167	0.00	1.68	5.079	O					9.85	20.333	0.00	1.61	4.378	O					9.08
15.250	0.00	1.68	5.067	O					9.84	20.417	0.00	1.61	4.367	O					9.07
15.333	0.00	1.67	5.056	O					9.83	20.500	0.00	1.61	4.356	O					9.06
15.417	0.00	1.67	5.044	O					9.81	20.583	0.00	1.60	4.345	O					9.04
15.500	0.00	1.67	5.033	O					9.80	20.667	0.00	1.60	4.334	O					9.03
15.583	0.00	1.67	5.021	O					9.79	20.750	0.00	1.60	4.322	O					9.02
15.667	0.00	1.67	5.010	O					9.78	20.833	0.00	1.60	4.311	O					9.01
15.750	0.00	1.67	4.998	O					9.76	20.917	0.00	1.60	4.300	O					9.00
15.833	0.00	1.67	4.987	O					9.75	21.000	0.00	1.60	4.289	O					8.98
15.917	0.00	1.67	4.975	O					9.74	21.083	0.00	1.60	4.278	O					8.97
16.000	0.00	1.67	4.964	O					9.73	21.167	0.00	1.60	4.267	O					8.95
16.083	0.00	1.66	4.952	O					9.71	21.250	0.00	1.59	4.256	O					8.94
16.167	0.00	1.66	4.941	O					9.70	21.333	0.00	1.59	4.245	O					8.93
16.250	0.00	1.66	4.929	O					9.69	21.417	0.00	1.59	4.234	O					8.91
16.333	0.00	1.66	4.918	O					9.68	21.500	0.00	1.59	4.224	O					8.90
16.417	0.00	1.66	4.906	O					9.66	21.583	0.00	1.59	4.213	O					8.89
16.500	0.00	1.66	4.895	O					9.65	21.667	0.00	1.59	4.202	O					8.87
16.583	0.00	1.66	4.884	O					9.64	21.750	0.00	1.59	4.191	O					8.86
16.667	0.00	1.66	4.872	O					9.63	21.833	0.00	1.59	4.180	O					8.85
16.750	0.00	1.66	4.861	O					9.61	21.917	0.00	1.58	4.169	O					8.83
16.833	0.00	1.65	4.849	O					9.60	22.000	0.00	1.58	4.158	O					8.82
16.917	0.00	1.65	4.838	O					9.59	22.083	0.00	1.58	4.147	O					8.81
17.000	0.00	1.65	4.827	O					9.57	22.167	0.00	1.58	4.136	O					8.79
17.083	0.00	1.65	4.815	O					9.56	22.250	0.00	1.58	4.125	O					8.78
17.167	0.00	1.65	4.804	O					9.55	22.333	0.00	1.58	4.114	O					8.77
17.250	0.00	1.65	4.793	O					9.54	22.417	0.00	1.58	4.103	O					8.75
17.333	0.00	1.65	4.781	O					9.52	22.500	0.00	1.58	4.093	O					8.74
17.417	0.00	1.65	4.770	O					9.51	22.583	0.00	1.58	4.082	O					8.73
17.500	0.00	1.64	4.758	O					9.50	22.667	0.00	1.57	4.071	O					8.71
17.583	0.00	1.64	4.747	O					9.49	22.750	0.00	1.57	4.060	O					8.70
17.667	0.00	1.64	4.736	O					9.48	22.833	0.00	1.57	4.049	O					8.69
17.750	0.00	1.64	4.725	O					9.46	22.917	0.00	1.57	4.038	O					8.67
17.833	0.00	1.64	4.713	O					9.45	23.000	0.00	1.57	4.028	O					8.66
17.917	0.00	1.64	4.702	O					9.44	23.083	0.00	1.57	4.017	O					8.65
18.000	0.00	1.64	4.691	O					9.43	23.167	0.00	1.57	4.006	O					8.63
18.083	0.00	1.64	4.679	O					9.41	23.250	0.00	1.57	3.995	O					8.62
18.167	0.00	1.64	4.668	O					9.40	23.333	0.00	1.56	3.984	O					8.61
18.250	0.00	1.63	4.657	O					9.39	23.417	0.00	1.56	3.974	O					8.59
18.333	0.00	1.63	4.646	O					9.38	23.500	0.00	1.56	3.963	O					8.58

23.583	0.00	1.56	3.952	O	|	|	|	|	8.57	28.750	0.00	1.48	3.302	O	|	|	|	|	7.73
23.667	0.00	1.56	3.941	O	|	|	|	|	8.55	28.833	0.00	1.48	3.291	O	|	|	|	|	7.72
23.750	0.00	1.56	3.931	O	|	|	|	|	8.54	28.917	0.00	1.48	3.281	O	|	|	|	|	7.70
23.833	0.00	1.56	3.920	O	|	|	|	|	8.53	29.000	0.00	1.48	3.271	O	|	|	|	|	7.69
23.917	0.00	1.56	3.909	O	|	|	|	|	8.51	29.083	0.00	1.48	3.261	O	|	|	|	|	7.68
24.000	0.00	1.56	3.899	O	|	|	|	|	8.50	29.167	0.00	1.48	3.251	O	|	|	|	|	7.66
24.083	0.00	1.55	3.888	O	|	|	|	|	8.49	29.250	0.00	1.47	3.240	O	|	|	|	|	7.65
24.167	0.00	1.55	3.877	O	|	|	|	|	8.47	29.333	0.00	1.47	3.230	O	|	|	|	|	7.63
24.250	0.00	1.55	3.866	O	|	|	|	|	8.46	29.417	0.00	1.47	3.220	O	|	|	|	|	7.62
24.333	0.00	1.55	3.856	O	|	|	|	|	8.45	29.500	0.00	1.47	3.210	O	|	|	|	|	7.60
24.417	0.00	1.55	3.845	O	|	|	|	|	8.43	29.583	0.00	1.47	3.200	O	|	|	|	|	7.59
24.500	0.00	1.55	3.834	O	|	|	|	|	8.42	29.667	0.00	1.47	3.190	O	|	|	|	|	7.58
24.583	0.00	1.55	3.824	O	|	|	|	|	8.41	29.750	0.00	1.47	3.180	O	|	|	|	|	7.56
24.667	0.00	1.55	3.813	O	|	|	|	|	8.39	29.833	0.00	1.46	3.170	O	|	|	|	|	7.55
24.750	0.00	1.54	3.802	O	|	|	|	|	8.38	29.917	0.00	1.46	3.159	O	|	|	|	|	7.53
24.833	0.00	1.54	3.792	O	|	|	|	|	8.37	30.000	0.00	1.46	3.149	O	|	|	|	|	7.52
24.917	0.00	1.54	3.781	O	|	|	|	|	8.36	30.083	0.00	1.46	3.139	O	|	|	|	|	7.51
25.000	0.00	1.54	3.771	O	|	|	|	|	8.34	30.167	0.00	1.46	3.129	O	|	|	|	|	7.49
25.083	0.00	1.54	3.760	O	|	|	|	|	8.33	30.250	0.00	1.46	3.119	O	|	|	|	|	7.48
25.167	0.00	1.54	3.749	O	|	|	|	|	8.32	30.333	0.00	1.46	3.109	O	|	|	|	|	7.46
25.250	0.00	1.54	3.739	O	|	|	|	|	8.30	30.417	0.00	1.45	3.099	O	|	|	|	|	7.45
25.333	0.00	1.54	3.728	O	|	|	|	|	8.29	30.500	0.00	1.45	3.089	O	|	|	|	|	7.44
25.417	0.00	1.53	3.718	O	|	|	|	|	8.28	30.583	0.00	1.45	3.079	O	|	|	|	|	7.42
25.500	0.00	1.53	3.707	O	|	|	|	|	8.26	30.667	0.00	1.45	3.069	O	|	|	|	|	7.41
25.583	0.00	1.53	3.697	O	|	|	|	|	8.25	30.750	0.00	1.45	3.059	O	|	|	|	|	7.39
25.667	0.00	1.53	3.686	O	|	|	|	|	8.24	30.833	0.00	1.45	3.049	O	|	|	|	|	7.38
25.750	0.00	1.53	3.675	O	|	|	|	|	8.22	30.917	0.00	1.45	3.039	O	|	|	|	|	7.37
25.833	0.00	1.53	3.665	O	|	|	|	|	8.21	31.000	0.00	1.45	3.029	O	|	|	|	|	7.35
25.917	0.00	1.53	3.654	O	|	|	|	|	8.20	31.083	0.00	1.44	3.019	O	|	|	|	|	7.34
26.000	0.00	1.53	3.644	O	|	|	|	|	8.19	31.167	0.00	1.44	3.009	O	|	|	|	|	7.32
26.083	0.00	1.53	3.633	O	|	|	|	|	8.17	31.250	0.00	1.44	2.999	O	|	|	|	|	7.31
26.167	0.00	1.52	3.623	O	|	|	|	|	8.16	31.333	0.00	1.44	2.990	O	|	|	|	|	7.30
26.250	0.00	1.52	3.612	O	|	|	|	|	8.15	31.417	0.00	1.44	2.980	O	|	|	|	|	7.28
26.333	0.00	1.52	3.602	O	|	|	|	|	8.13	31.500	0.00	1.44	2.970	O	|	|	|	|	7.27
26.417	0.00	1.52	3.591	O	|	|	|	|	8.12	31.583	0.00	1.44	2.960	O	|	|	|	|	7.25
26.500	0.00	1.52	3.581	O	|	|	|	|	8.11	31.667	0.00	1.43	2.950	O	|	|	|	|	7.24
26.583	0.00	1.52	3.570	O	|	|	|	|	8.10	31.750	0.00	1.43	2.940	O	|	|	|	|	7.23
26.667	0.00	1.52	3.560	O	|	|	|	|	8.08	31.833	0.00	1.43	2.930	O	|	|	|	|	7.21
26.750	0.00	1.52	3.550	O	|	|	|	|	8.07	31.917	0.00	1.43	2.920	O	|	|	|	|	7.20
26.833	0.00	1.52	3.539	O	|	|	|	|	8.06	32.000	0.00	1.43	2.911	O	|	|	|	|	7.19
26.917	0.00	1.51	3.529	O	|	|	|	|	8.04	32.083	0.00	1.43	2.901	O	|	|	|	|	7.17
27.000	0.00	1.51	3.518	O	|	|	|	|	8.03	32.167	0.00	1.43	2.891	O	|	|	|	|	7.16
27.083	0.00	1.51	3.508	O	|	|	|	|	8.02	32.250	0.00	1.42	2.881	O	|	|	|	|	7.14
27.167	0.00	1.51	3.497	O	|	|	|	|	8.01	32.333	0.00	1.42	2.871	O	|	|	|	|	7.13
27.250	0.00	1.51	3.487	O	|	|	|	|	7.99	32.417	0.00	1.42	2.861	O	|	|	|	|	7.12
27.333	0.00	1.51	3.477	O	|	|	|	|	7.98	32.500	0.00	1.42	2.852	O	|	|	|	|	7.10
27.417	0.00	1.51	3.466	O	|	|	|	|	7.96	32.583	0.00	1.42	2.842	O	|	|	|	|	7.09
27.500	0.00	1.50	3.456	O	|	|	|	|	7.95	32.667	0.00	1.42	2.832	O	|	|	|	|	7.08
27.583	0.00	1.50	3.446	O	|	|	|	|	7.93	32.750	0.00	1.42	2.822	O	|	|	|	|	7.06
27.667	0.00	1.50	3.435	O	|	|	|	|	7.92	32.833	0.00	1.41	2.813	O	|	|	|	|	7.05
27.750	0.00	1.50	3.425	O	|	|	|	|	7.90	32.917	0.00	1.41	2.803	O	|	|	|	|	7.03
27.833	0.00	1.50	3.415	O	|	|	|	|	7.89	33.000	0.00	1.41	2.793	O	|	|	|	|	7.02
27.917	0.00	1.50	3.404	O	|	|	|	|	7.88	33.083	0.00	1.41	2.783	O	|	|	|	|	7.01
28.000	0.00	1.50	3.394	O	|	|	|	|	7.86	33.167	0.00	1.41	2.774	O	|	|	|	|	6.99
28.083	0.00	1.49	3.384	O	|	|	|	|	7.85	33.250	0.00	1.41	2.764	O	|	|	|	|	6.98
28.167	0.00	1.49	3.373	O	|	|	|	|	7.83	33.333	0.00	1.41	2.754	O	|	|	|	|	6.96
28.250	0.00	1.49	3.363	O	|	|	|	|	7.82	33.417	0.00	1.40	2.745	O	|	|	|	|	6.95
28.333	0.00	1.49	3.353	O	|	|	|	|	7.80	33.500	0.00	1.40	2.735	O	|	|	|	|	6.93
28.417	0.00	1.49	3.342	O	|	|	|	|	7.79	33.583	0.00	1.40	2.725	O	|	|	|	|	6.92
28.500	0.00	1.49	3.332	O	|	|	|	|	7.78	33.667	0.00	1.40	2.716	O	|	|	|	|	6.90
28.583	0.00	1.49	3.322	O	|	|	|	|	7.76	33.750	0.00	1.40	2.706	O	|	|	|	|	6.88
28.667	0.00	1.48	3.312	O	|	|	|	|	7.75	33.833	0.00	1.40	2.696	O	|	|	|	|	6.87

33.917	0.00	1.39	2.687	O	|	|	|	|	6.85	39.083	0.00	1.29	2.114	O	|	|	|	|	5.92
34.000	0.00	1.39	2.677	O	|	|	|	|	6.84	39.167	0.00	1.29	2.105	O	|	|	|	|	5.91
34.083	0.00	1.39	2.668	O	|	|	|	|	6.82	39.250	0.00	1.29	2.096	O	|	|	|	|	5.89
34.167	0.00	1.39	2.658	O	|	|	|	|	6.81	39.333	0.00	1.29	2.087	O	|	|	|	|	5.87
34.250	0.00	1.39	2.649	O	|	|	|	|	6.79	39.417	0.00	1.28	2.078	O	|	|	|	|	5.86
34.333	0.00	1.39	2.639	O	|	|	|	|	6.78	39.500	0.00	1.28	2.069	O	|	|	|	|	5.84
34.417	0.00	1.38	2.629	O	|	|	|	|	6.76	39.583	0.00	1.28	2.060	O	|	|	|	|	5.82
34.500	0.00	1.38	2.620	O	|	|	|	|	6.75	39.667	0.00	1.28	2.052	O	|	|	|	|	5.81
34.583	0.00	1.38	2.610	O	|	|	|	|	6.73	39.750	0.00	1.28	2.043	O	|	|	|	|	5.79
34.667	0.00	1.38	2.601	O	|	|	|	|	6.72	39.833	0.00	1.28	2.034	O	|	|	|	|	5.77
34.750	0.00	1.38	2.591	O	|	|	|	|	6.70	39.917	0.00	1.27	2.025	O	|	|	|	|	5.76
34.833	0.00	1.38	2.582	O	|	|	|	|	6.69	40.000	0.00	1.27	2.016	O	|	|	|	|	5.74
34.917	0.00	1.37	2.572	O	|	|	|	|	6.67	40.083	0.00	1.27	2.008	O	|	|	|	|	5.73
35.000	0.00	1.37	2.563	O	|	|	|	|	6.65	40.167	0.00	1.27	1.999	O	|	|	|	|	5.71
35.083	0.00	1.37	2.554	O	|	|	|	|	6.64	40.250	0.00	1.27	1.990	O	|	|	|	|	5.69
35.167	0.00	1.37	2.544	O	|	|	|	|	6.62	40.333	0.00	1.26	1.982	O	|	|	|	|	5.68
35.250	0.00	1.37	2.535	O	|	|	|	|	6.61	40.417	0.00	1.26	1.973	O	|	|	|	|	5.66
35.333	0.00	1.37	2.525	O	|	|	|	|	6.59	40.500	0.00	1.26	1.964	O	|	|	|	|	5.64
35.417	0.00	1.36	2.516	O	|	|	|	|	6.58	40.583	0.00	1.26	1.955	O	|	|	|	|	5.63
35.500	0.00	1.36	2.507	O	|	|	|	|	6.56	40.667	0.00	1.26	1.947	O	|	|	|	|	5.61
35.583	0.00	1.36	2.497	O	|	|	|	|	6.55	40.750	0.00	1.26	1.938	O	|	|	|	|	5.60
35.667	0.00	1.36	2.488	O	|	|	|	|	6.53	40.833	0.00	1.25	1.930	O	|	|	|	|	5.58
35.750	0.00	1.36	2.478	O	|	|	|	|	6.52	40.917	0.00	1.25	1.921	O	|	|	|	|	5.56
35.833	0.00	1.36	2.469	O	|	|	|	|	6.50	41.000	0.00	1.25	1.912	O	|	|	|	|	5.55
35.917	0.00	1.35	2.460	O	|	|	|	|	6.49	41.083	0.00	1.25	1.904	O	|	|	|	|	5.53
36.000	0.00	1.35	2.450	O	|	|	|	|	6.47	41.167	0.00	1.25	1.895	O	|	|	|	|	5.52
36.083	0.00	1.35	2.441	O	|	|	|	|	6.46	41.250	0.00	1.24	1.887	O	|	|	|	|	5.50
36.167	0.00	1.35	2.432	O	|	|	|	|	6.44	41.333	0.00	1.24	1.878	O	|	|	|	|	5.48
36.250	0.00	1.35	2.423	O	|	|	|	|	6.43	41.417	0.00	1.24	1.869	O	|	|	|	|	5.47
36.333	0.00	1.35	2.413	O	|	|	|	|	6.41	41.500	0.00	1.24	1.861	O	|	|	|	|	5.45
36.417	0.00	1.34	2.404	O	|	|	|	|	6.40	41.583	0.00	1.24	1.852	O	|	|	|	|	5.44
36.500	0.00	1.34	2.395	O	|	|	|	|	6.38	41.667	0.00	1.24	1.844	O	|	|	|	|	5.42
36.583	0.00	1.34	2.386	O	|	|	|	|	6.37	41.750	0.00	1.23	1.835	O	|	|	|	|	5.40
36.667	0.00	1.34	2.376	O	|	|	|	|	6.36	41.833	0.00	1.23	1.827	O	|	|	|	|	5.39
36.750	0.00	1.34	2.367	O	|	|	|	|	6.34	41.917	0.00	1.23	1.818	O	|	|	|	|	5.37
36.833	0.00	1.34	2.358	O	|	|	|	|	6.33	42.000	0.00	1.23	1.810	O	|	|	|	|	5.36
36.917	0.00	1.33	2.349	O	|	|	|	|	6.31	42.083	0.00	1.23	1.801	O	|	|	|	|	5.34
37.000	0.00	1.33	2.340	O	|	|	|	|	6.30	42.167	0.00	1.23	1.793	O	|	|	|	|	5.32
37.083	0.00	1.33	2.330	O	|	|	|	|	6.28	42.250	0.00	1.22	1.784	O	|	|	|	|	5.31
37.167	0.00	1.33	2.321	O	|	|	|	|	6.27	42.333	0.00	1.22	1.776	O	|	|	|	|	5.29
37.250	0.00	1.33	2.312	O	|	|	|	|	6.25	42.417	0.00	1.22	1.768	O	|	|	|	|	5.28
37.333	0.00	1.33	2.303	O	|	|	|	|	6.24	42.500	0.00	1.22	1.759	O	|	|	|	|	5.26
37.417	0.00	1.32	2.294	O	|	|	|	|	6.22	42.583	0.00	1.22	1.751	O	|	|	|	|	5.25
37.500	0.00	1.32	2.285	O	|	|	|	|	6.21	42.667	0.00	1.22	1.742	O	|	|	|	|	5.23
37.583	0.00	1.32	2.276	O	|	|	|	|	6.19	42.750	0.00	1.21	1.734	O	|	|	|	|	5.21
37.667	0.00	1.32	2.266	O	|	|	|	|	6.18	42.833	0.00	1.21	1.726	O	|	|	|	|	5.20
37.750	0.00	1.32	2.257	O	|	|	|	|	6.16	42.917	0.00	1.21	1.717	O	|	|	|	|	5.18
37.833	0.00	1.32	2.248	O	|	|	|	|	6.15	43.000	0.00	1.21	1.709	O	|	|	|	|	5.17
37.917	0.00	1.31	2.239	O	|	|	|	|	6.14	43.083	0.00	1.21	1.701	O	|	|	|	|	5.15
38.000	0.00	1.31	2.230	O	|	|	|	|	6.12	43.167	0.00	1.21	1.692	O	|	|	|	|	5.14
38.083	0.00	1.31	2.221	O	|	|	|	|	6.11	43.250	0.00	1.20	1.684	O	|	|	|	|	5.12
38.167	0.00	1.31	2.212	O	|	|	|	|	6.09	43.333	0.00	1.20	1.676	O	|	|	|	|	5.11
38.250	0.00	1.31	2.203	O	|	|	|	|	6.08	43.417	0.00	1.20	1.668	O	|	|	|	|	5.09
38.333	0.00	1.31	2.194	O	|	|	|	|	6.06	43.500	0.00	1.20	1.659	O	|	|	|	|	5.08
38.417	0.00	1.31	2.185	O	|	|	|	|	6.05	43.583	0.00	1.20	1.651	O	|	|	|	|	5.06
38.500	0.00	1.30	2.176	O	|	|	|	|	6.03	43.667	0.00	1.19	1.643	O	|	|	|	|	5.04
38.583	0.00	1.30	2.167	O	|	|	|	|	6.02	43.750	0.00	1.19	1.635	O	|	|	|	|	5.03
38.667	0.00	1.30	2.158	O	|	|	|	|	6.01	43.833	0.00	1.19	1.626	O	|	|	|	|	5.01
38.750	0.00	1.30	2.149	O	|	|	|	|	5.99	43.917	0.00	1.19	1.618	O	|	|	|	|	5.00
38.833	0.00	1.30	2.140	O	|	|	|	|	5.97	44.000	0.00	1.19	1.610	O	|	|	|	|	4.98
38.917	0.00	1.30	2.131	O	|	|	|	|	5.96	44.083	0.00	1.19	1.602	O	|	|	|	|	4.96
39.000	0.00	1.29	2.122	O	|	|	|	|	5.94	44.167	0.00	1.18	1.594	O	|	|	|	|	4.94

44.250	0.00	1.18	1.586	O	|	|	|	|	4.93	49.417	0.00	1.04	1.111	O	|	|	|	|	3.87
44.333	0.00	1.18	1.577	O	|	|	|	|	4.91	49.500	0.00	1.04	1.104	O	|	|	|	|	3.85
44.417	0.00	1.18	1.569	O	|	|	|	|	4.89	49.583	0.00	1.03	1.097	O	|	|	|	|	3.83
44.500	0.00	1.17	1.561	O	|	|	|	|	4.87	49.667	0.00	1.03	1.090	O	|	|	|	|	3.81
44.583	0.00	1.17	1.553	O	|	|	|	|	4.86	49.750	0.00	1.03	1.082	O	|	|	|	|	3.80
44.667	0.00	1.17	1.545	O	|	|	|	|	4.84	49.833	0.00	1.03	1.075	O	|	|	|	|	3.78
44.750	0.00	1.17	1.537	O	|	|	|	|	4.82	49.917	0.00	1.02	1.068	O	|	|	|	|	3.76
44.833	0.00	1.16	1.529	O	|	|	|	|	4.80	50.000	0.00	1.02	1.061	O	|	|	|	|	3.74
44.917	0.00	1.16	1.521	O	|	|	|	|	4.79	50.083	0.00	1.02	1.054	O	|	|	|	|	3.72
45.000	0.00	1.16	1.513	O	|	|	|	|	4.77	50.167	0.00	1.02	1.047	O	|	|	|	|	3.70
45.083	0.00	1.16	1.505	O	|	|	|	|	4.75	50.250	0.00	1.01	1.040	O	|	|	|	|	3.69
45.167	0.00	1.16	1.497	O	|	|	|	|	4.73	50.333	0.00	1.01	1.033	O	|	|	|	|	3.67
45.250	0.00	1.15	1.489	O	|	|	|	|	4.72	50.417	0.00	1.01	1.026	O	|	|	|	|	3.65
45.333	0.00	1.15	1.481	O	|	|	|	|	4.70	50.500	0.00	1.00	1.019	O	|	|	|	|	3.63
45.417	0.00	1.15	1.473	O	|	|	|	|	4.68	50.583	0.00	1.00	1.013	O	|	|	|	|	3.61
45.500	0.00	1.15	1.465	O	|	|	|	|	4.66	50.667	0.00	1.00	1.006	O	|	|	|	|	3.60
45.583	0.00	1.14	1.458	O	|	|	|	|	4.65	50.750	0.00	1.00	0.999	O	|	|	|	|	3.58
45.667	0.00	1.14	1.450	O	|	|	|	|	4.63	50.833	0.00	0.99	0.992	O	|	|	|	|	3.56
45.750	0.00	1.14	1.442	O	|	|	|	|	4.61	50.917	0.00	0.99	0.985	O	|	|	|	|	3.54
45.833	0.00	1.14	1.434	O	|	|	|	|	4.60	51.000	0.00	0.99	0.978	O	|	|	|	|	3.53
45.917	0.00	1.14	1.426	O	|	|	|	|	4.58	51.083	0.00	0.99	0.971	O	|	|	|	|	3.51
46.000	0.00	1.13	1.418	O	|	|	|	|	4.56	51.167	0.00	0.98	0.965	O	|	|	|	|	3.49
46.083	0.00	1.13	1.411	O	|	|	|	|	4.54	51.250	0.00	0.98	0.958	O	|	|	|	|	3.47
46.167	0.00	1.13	1.403	O	|	|	|	|	4.53	51.333	0.00	0.98	0.951	O	|	|	|	|	3.45
46.250	0.00	1.13	1.395	O	|	|	|	|	4.51	51.417	0.00	0.98	0.944	O	|	|	|	|	3.44
46.333	0.00	1.12	1.387	O	|	|	|	|	4.49	51.500	0.00	0.97	0.938	O	|	|	|	|	3.42
46.417	0.00	1.12	1.380	O	|	|	|	|	4.48	51.583	0.00	0.97	0.931	O	|	|	|	|	3.40
46.500	0.00	1.12	1.372	O	|	|	|	|	4.46	51.667	0.00	0.97	0.924	O	|	|	|	|	3.39
46.583	0.00	1.12	1.364	O	|	|	|	|	4.44	51.750	0.00	0.97	0.918	O	|	|	|	|	3.37
46.667	0.00	1.12	1.356	O	|	|	|	|	4.43	51.833	0.00	0.96	0.911	O	|	|	|	|	3.35
46.750	0.00	1.11	1.349	O	|	|	|	|	4.41	51.917	0.00	0.96	0.904	O	|	|	|	|	3.33
46.833	0.00	1.11	1.341	O	|	|	|	|	4.39	52.000	0.00	0.96	0.898	O	|	|	|	|	3.32
46.917	0.00	1.11	1.333	O	|	|	|	|	4.38	52.083	0.00	0.95	0.891	O	|	|	|	|	3.30
47.000	0.00	1.11	1.326	O	|	|	|	|	4.36	52.167	0.00	0.95	0.885	O	|	|	|	|	3.28
47.083	0.00	1.10	1.318	O	|	|	|	|	4.34	52.250	0.00	0.95	0.878	O	|	|	|	|	3.27
47.167	0.00	1.10	1.311	O	|	|	|	|	4.33	52.333	0.00	0.95	0.872	O	|	|	|	|	3.25
47.250	0.00	1.10	1.303	O	|	|	|	|	4.31	52.417	0.00	0.94	0.865	O	|	|	|	|	3.23
47.333	0.00	1.10	1.295	O	|	|	|	|	4.29	52.500	0.00	0.94	0.859	O	|	|	|	|	3.21
47.417	0.00	1.10	1.288	O	|	|	|	|	4.28	52.583	0.00	0.94	0.852	O	|	|	|	|	3.20
47.500	0.00	1.09	1.280	O	|	|	|	|	4.26	52.667	0.00	0.94	0.846	O	|	|	|	|	3.18
47.583	0.00	1.09	1.273	O	|	|	|	|	4.24	52.750	0.00	0.93	0.839	O	|	|	|	|	3.16
47.667	0.00	1.09	1.265	O	|	|	|	|	4.23	52.833	0.00	0.93	0.833	O	|	|	|	|	3.15
47.750	0.00	1.09	1.258	O	|	|	|	|	4.21	52.917	0.00	0.93	0.826	O	|	|	|	|	3.13
47.833	0.00	1.09	1.250	O	|	|	|	|	4.19	53.000	0.00	0.93	0.820	O	|	|	|	|	3.11
47.917	0.00	1.08	1.243	O	|	|	|	|	4.18	53.083	0.00	0.92	0.814	O	|	|	|	|	3.10
48.000	0.00	1.08	1.235	O	|	|	|	|	4.16	53.167	0.00	0.92	0.807	O	|	|	|	|	3.08
48.083	0.00	1.08	1.228	O	|	|	|	|	4.15	53.250	0.00	0.92	0.801	O	|	|	|	|	3.06
48.167	0.00	1.08	1.221	O	|	|	|	|	4.13	53.333	0.00	0.92	0.795	O	|	|	|	|	3.05
48.250	0.00	1.07	1.213	O	|	|	|	|	4.11	53.417	0.00	0.91	0.788	O	|	|	|	|	3.03
48.333	0.00	1.07	1.206	O	|	|	|	|	4.10	53.500	0.00	0.91	0.782	O	|	|	|	|	3.02
48.417	0.00	1.07	1.198	O	|	|	|	|	4.08	53.583	0.00	0.91	0.776	O	|	|	|	|	3.00
48.500	0.00	1.07	1.191	O	|	|	|	|	4.07	53.667	0.00	0.91	0.769	O	|	|	|	|	2.98
48.583	0.00	1.07	1.184	O	|	|	|	|	4.05	53.750	0.00	0.90	0.763	O	|	|	|	|	2.96
48.667	0.00	1.06	1.176	O	|	|	|	|	4.03	53.833	0.00	0.90	0.757	O	|	|	|	|	2.94
48.750	0.00	1.06	1.169	O	|	|	|	|	4.02	53.917	0.00	0.90	0.751	O	|	|	|	|	2.92
48.833	0.00	1.06	1.162	O	|	|	|	|	4.00	54.000	0.00	0.89	0.745	O	|	|	|	|	2.90
48.917	0.00	1.06	1.154	O	|	|	|	|	3.98	54.083	0.00	0.89	0.739	O	|	|	|	|	2.88
49.000	0.00	1.05	1.147	O	|	|	|	|	3.96	54.167	0.00	0.89	0.732	O	|	|	|	|	2.86
49.083	0.00	1.05	1.140	O	|	|	|	|	3.95	54.250	0.00	0.88	0.726	O	|	|	|	|	2.84
49.167	0.00	1.05	1.133	O	|	|	|	|	3.93	54.333	0.00	0.88	0.720	O	|	|	|	|	2.82
49.250	0.00	1.05	1.125	O	|	|	|	|	3.91	54.417	0.00	0.87	0.714	O	|	|	|	|	2.81
49.333	0.00	1.04	1.118	O	|	|	|	|	3.89	54.500	0.00	0.87	0.708	O	|	|	|	|	2.79

54.583	0.00	0.87	0.702	O					2.77	59.750	0.00	0.65	0.375	O					1.67
54.667	0.00	0.86	0.696	O					2.75	59.833	0.00	0.65	0.370	O					1.65
54.750	0.00	0.86	0.690	O					2.73	59.917	0.00	0.65	0.366	O					1.64
54.833	0.00	0.86	0.684	O					2.71	60.000	0.00	0.64	0.361	O					1.62
54.917	0.00	0.85	0.679	O					2.69	60.083	0.00	0.64	0.357	O					1.60
55.000	0.00	0.85	0.673	O					2.67	60.167	0.00	0.63	0.353	O					1.59
55.083	0.00	0.85	0.667	O					2.66	60.250	0.00	0.63	0.348	O					1.57
55.167	0.00	0.84	0.661	O					2.64	60.333	0.00	0.63	0.344	O					1.55
55.250	0.00	0.84	0.655	O					2.62	60.417	0.00	0.62	0.340	O					1.54
55.333	0.00	0.84	0.649	O					2.60	60.500	0.00	0.62	0.335	O					1.52
55.417	0.00	0.83	0.644	O					2.58	60.583	0.00	0.62	0.331	O					1.50
55.500	0.00	0.83	0.638	O					2.56	60.667	0.00	0.61	0.327	O					1.49
55.583	0.00	0.83	0.632	O					2.55	60.750	0.00	0.61	0.323	O					1.47
55.667	0.00	0.83	0.626	O					2.53	60.833	0.00	0.60	0.318	O					1.45
55.750	0.00	0.82	0.621	O					2.51	60.917	0.00	0.60	0.314	O					1.44
55.833	0.00	0.82	0.615	O					2.49	61.000	0.00	0.60	0.310	O					1.42
55.917	0.00	0.82	0.610	O					2.47	61.083	0.00	0.59	0.306	O					1.40
56.000	0.00	0.81	0.604	O					2.46	61.167	0.00	0.59	0.302	O					1.39
56.083	0.00	0.81	0.598	O					2.44	61.250	0.00	0.59	0.298	O					1.37
56.167	0.00	0.81	0.593	O					2.42	61.333	0.00	0.58	0.294	O					1.36
56.250	0.00	0.80	0.587	O					2.40	61.417	0.00	0.58	0.290	O					1.34
56.333	0.00	0.80	0.582	O					2.39	61.500	0.00	0.58	0.286	O					1.33
56.417	0.00	0.80	0.576	O					2.37	61.583	0.00	0.57	0.282	O					1.31
56.500	0.00	0.79	0.571	O					2.35	61.667	0.00	0.57	0.278	O					1.30
56.583	0.00	0.79	0.565	O					2.34	61.750	0.00	0.56	0.274	O					1.28
56.667	0.00	0.79	0.560	O					2.32	61.833	0.00	0.56	0.270	O					1.27
56.750	0.00	0.78	0.554	O					2.30	61.917	0.00	0.56	0.266	O					1.25
56.833	0.00	0.78	0.549	O					2.28	62.000	0.00	0.55	0.263	O					1.24
56.917	0.00	0.78	0.544	O					2.27	62.083	0.00	0.55	0.259	O					1.22
57.000	0.00	0.78	0.538	O					2.25	62.167	0.00	0.55	0.255	O					1.21
57.083	0.00	0.77	0.533	O					2.23	62.250	0.00	0.54	0.251	O					1.19
57.167	0.00	0.77	0.528	O					2.22	62.333	0.00	0.54	0.248	O					1.18
57.250	0.00	0.77	0.522	O					2.20	62.417	0.00	0.54	0.244	O					1.16
57.333	0.00	0.76	0.517	O					2.18	62.500	0.00	0.53	0.240	O					1.15
57.417	0.00	0.76	0.512	O					2.17	62.583	0.00	0.53	0.236	O					1.13
57.500	0.00	0.76	0.507	O					2.15	62.667	0.00	0.53	0.233	O					1.12
57.583	0.00	0.75	0.501	O					2.13	62.750	0.00	0.52	0.229	O					1.11
57.667	0.00	0.75	0.496	O					2.12	62.833	0.00	0.52	0.226	O					1.09
57.750	0.00	0.75	0.491	O					2.10	62.917	0.00	0.52	0.222	O					1.08
57.833	0.00	0.75	0.486	O					2.09	63.000	0.00	0.51	0.218	O					1.06
57.917	0.00	0.74	0.481	O					2.07	63.083	0.00	0.51	0.215	O					1.05
58.000	0.00	0.74	0.476	O					2.05	63.167	0.00	0.51	0.211	O					1.04
58.083	0.00	0.74	0.471	O					2.04	63.250	0.00	0.51	0.208	O					1.02
58.167	0.00	0.73	0.466	O					2.02	63.333	0.00	0.50	0.204	O					1.01
58.250	0.00	0.73	0.461	O					2.00	63.417	0.00	0.50	0.201	O					1.00
58.333	0.00	0.73	0.456	O					1.99	63.500	0.00	0.49	0.198	O					0.98
58.417	0.00	0.72	0.451	O					1.97	63.583	0.00	0.48	0.194	O					0.96
58.500	0.00	0.72	0.446	O					1.95	63.667	0.00	0.47	0.191	O					0.95
58.583	0.00	0.71	0.441	O					1.93	63.750	0.00	0.46	0.188	O					0.93
58.667	0.00	0.71	0.436	O					1.91	63.833	0.00	0.46	0.185	O					0.91
58.750	0.00	0.70	0.431	O					1.89	63.917	0.00	0.45	0.181	O					0.90
58.833	0.00	0.70	0.426	O					1.87	64.000	0.00	0.44	0.178	O					0.88
58.917	0.00	0.70	0.421	O					1.85	64.083	0.00	0.43	0.175	O					0.87
59.000	0.00	0.69	0.416	O					1.83	64.167	0.00	0.43	0.172	O					0.85
59.083	0.00	0.69	0.412	O					1.82	64.250	0.00	0.42	0.170	O					0.84
59.167	0.00	0.68	0.407	O					1.80	64.333	0.00	0.41	0.167	O					0.82
59.250	0.00	0.68	0.402	O					1.78	64.417	0.00	0.41	0.164	O					0.81
59.333	0.00	0.68	0.398	O					1.76	64.500	0.00	0.40	0.161	O					0.80
59.417	0.00	0.67	0.393	O					1.74	64.583	0.00	0.39	0.158	O					0.78
59.500	0.00	0.67	0.388	O					1.73	64.667	0.00	0.39	0.156	O					0.77
59.583	0.00	0.66	0.384	O					1.71	64.750	0.00	0.38	0.153	O					0.76
59.667	0.00	0.66	0.379	O					1.69	64.833	0.00	0.37	0.150	O					0.74

64.917	0.00	0.37	0.148	O	|	|	|	|	0.73	70.083	0.00	0.13	0.051	O	|	|	|	|	0.25
65.000	0.00	0.36	0.145	O	|	|	|	|	0.72	70.167	0.00	0.13	0.051	O	|	|	|	|	0.25
65.083	0.00	0.35	0.143	O	|	|	|	|	0.71	70.250	0.00	0.12	0.050	O	|	|	|	|	0.25
65.167	0.00	0.35	0.141	O	|	|	|	|	0.70	70.333	0.00	0.12	0.049	O	|	|	|	|	0.24
65.250	0.00	0.34	0.138	O	|	|	|	|	0.68	70.417	0.00	0.12	0.048	O	|	|	|	|	0.24
65.333	0.00	0.34	0.136	O	|	|	|	|	0.67	70.500	0.00	0.12	0.047	O	|	|	|	|	0.23
65.417	0.00	0.33	0.134	O	|	|	|	|	0.66	70.583	0.00	0.11	0.046	O	|	|	|	|	0.23
65.500	0.00	0.32	0.131	O	|	|	|	|	0.65	70.667	0.00	0.11	0.046	O	|	|	|	|	0.23
65.583	0.00	0.32	0.129	O	|	|	|	|	0.64	70.750	0.00	0.11	0.045	O	|	|	|	|	0.22
65.667	0.00	0.31	0.127	O	|	|	|	|	0.63	70.833	0.00	0.11	0.044	O	|	|	|	|	0.22
65.750	0.00	0.31	0.125	O	|	|	|	|	0.62	70.917	0.00	0.11	0.043	O	|	|	|	|	0.21
65.833	0.00	0.30	0.123	O	|	|	|	|	0.61	71.000	0.00	0.11	0.043	O	|	|	|	|	0.21
65.917	0.00	0.30	0.121	O	|	|	|	|	0.60	71.083	0.00	0.10	0.042	O	|	|	|	|	0.21
66.000	0.00	0.29	0.118	O	|	|	|	|	0.59	71.167	0.00	0.10	0.041	O	|	|	|	|	0.20
66.083	0.00	0.29	0.116	O	|	|	|	|	0.58	71.250	0.00	0.10	0.040	O	|	|	|	|	0.20
66.167	0.00	0.28	0.115	O	|	|	|	|	0.57	71.333	0.00	0.10	0.040	O	|	|	|	|	0.20
66.250	0.00	0.28	0.113	O	|	|	|	|	0.56	71.417	0.00	0.10	0.039	O	|	|	|	|	0.19
66.333	0.00	0.27	0.111	O	|	|	|	|	0.55	71.500	0.00	0.10	0.038	O	|	|	|	|	0.19
66.417	0.00	0.27	0.109	O	|	|	|	|	0.54	71.583	0.00	0.09	0.038	O	|	|	|	|	0.19
66.500	0.00	0.26	0.107	O	|	|	|	|	0.53	71.667	0.00	0.09	0.037	O	|	|	|	|	0.18
66.583	0.00	0.26	0.105	O	|	|	|	|	0.52	71.750	0.00	0.09	0.037	O	|	|	|	|	0.18
66.667	0.00	0.26	0.103	O	|	|	|	|	0.51	71.833	0.00	0.09	0.036	O	|	|	|	|	0.18
66.750	0.00	0.25	0.102	O	|	|	|	|	0.50	71.917	0.00	0.09	0.035	O	|	|	|	|	0.17
66.833	0.00	0.25	0.100	O	|	|	|	|	0.49	72.000	0.00	0.09	0.035	O	|	|	|	|	0.17
66.917	0.00	0.24	0.098	O	|	|	|	|	0.49	72.083	0.00	0.08	0.034	O	|	|	|	|	0.17
67.000	0.00	0.24	0.097	O	|	|	|	|	0.48	72.167	0.00	0.08	0.034	O	|	|	|	|	0.17
67.083	0.00	0.24	0.095	O	|	|	|	|	0.47	72.250	0.00	0.08	0.033	O	|	|	|	|	0.16
67.167	0.00	0.23	0.093	O	|	|	|	|	0.46	72.333	0.00	0.08	0.032	O	|	|	|	|	0.16
67.250	0.00	0.23	0.092	O	|	|	|	|	0.45	72.417	0.00	0.08	0.032	O	|	|	|	|	0.16
67.333	0.00	0.22	0.090	O	|	|	|	|	0.45	72.500	0.00	0.08	0.031	O	|	|	|	|	0.16
67.417	0.00	0.22	0.089	O	|	|	|	|	0.44	72.583	0.00	0.08	0.031	O	|	|	|	|	0.15
67.500	0.00	0.22	0.087	O	|	|	|	|	0.43	72.667	0.00	0.07	0.030	O	|	|	|	|	0.15
67.583	0.00	0.21	0.086	O	|	|	|	|	0.42	72.750	0.00	0.07	0.030	O	|	|	|	|	0.15
67.667	0.00	0.21	0.084	O	|	|	|	|	0.42	72.833	0.00	0.07	0.029	O	|	|	|	|	0.14
67.750	0.00	0.21	0.083	O	|	|	|	|	0.41	72.917	0.00	0.07	0.029	O	|	|	|	|	0.14
67.833	0.00	0.20	0.081	O	|	|	|	|	0.40	73.000	0.00	0.07	0.028	O	|	|	|	|	0.14
67.917	0.00	0.20	0.080	O	|	|	|	|	0.40	73.083	0.00	0.07	0.028	O	|	|	|	|	0.14
68.000	0.00	0.19	0.079	O	|	|	|	|	0.39	73.167	0.00	0.07	0.027	O	|	|	|	|	0.14
68.083	0.00	0.19	0.077	O	|	|	|	|	0.38	73.250	0.00	0.07	0.027	O	|	|	|	|	0.13
68.167	0.00	0.19	0.076	O	|	|	|	|	0.38	73.333	0.00	0.07	0.026	O	|	|	|	|	0.13
68.250	0.00	0.19	0.075	O	|	|	|	|	0.37	73.417	0.00	0.06	0.026	O	|	|	|	|	0.13
68.333	0.00	0.18	0.074	O	|	|	|	|	0.36	73.500	0.00	0.06	0.026	O	|	|	|	|	0.13
68.417	0.00	0.18	0.072	O	|	|	|	|	0.36	73.583	0.00	0.06	0.025	O	|	|	|	|	0.12
68.500	0.00	0.18	0.071	O	|	|	|	|	0.35	73.667	0.00	0.06	0.025	O	|	|	|	|	0.12
68.583	0.00	0.17	0.070	O	|	|	|	|	0.35	73.750	0.00	0.06	0.024	O	|	|	|	|	0.12
68.667	0.00	0.17	0.069	O	|	|	|	|	0.34	73.833	0.00	0.06	0.024	O	|	|	|	|	0.12
68.750	0.00	0.17	0.068	O	|	|	|	|	0.33	73.917	0.00	0.06	0.023	O	|	|	|	|	0.12
68.833	0.00	0.16	0.066	O	|	|	|	|	0.33	74.000	0.00	0.06	0.023	O	|	|	|	|	0.11
68.917	0.00	0.16	0.065	O	|	|	|	|	0.32	74.083	0.00	0.06	0.023	O	|	|	|	|	0.11
69.000	0.00	0.16	0.064	O	|	|	|	|	0.32	74.167	0.00	0.06	0.022	O	|	|	|	|	0.11
69.083	0.00	0.16	0.063	O	|	|	|	|	0.31	74.250	0.00	0.05	0.022	O	|	|	|	|	0.11
69.167	0.00	0.15	0.062	O	|	|	|	|	0.31	74.333	0.00	0.05	0.022	O	|	|	|	|	0.11
69.250	0.00	0.15	0.061	O	|	|	|	|	0.30	74.417	0.00	0.05	0.021	O	|	|	|	|	0.10
69.333	0.00	0.15	0.060	O	|	|	|	|	0.30	74.500	0.00	0.05	0.021	O	|	|	|	|	0.10
69.417	0.00	0.15	0.059	O	|	|	|	|	0.29	74.583	0.00	0.05	0.020	O	|	|	|	|	0.10
69.500	0.00	0.14	0.058	O	|	|	|	|	0.29	74.667	0.00	0.05	0.020	O	|	|	|	|	0.10
69.583	0.00	0.14	0.057	O	|	|	|	|	0.28	74.750	0.00	0.05	0.020	O	|	|	|	|	0.10
69.667	0.00	0.14	0.056	O	|	|	|	|	0.28	74.833	0.00	0.05	0.019	O	|	|	|	|	0.10
69.750	0.00	0.14	0.055	O	|	|	|	|	0.27	74.917	0.00	0.05	0.019	O	|	|	|	|	0.09
69.833	0.00	0.13	0.054	O	|	|	|	|	0.27	75.000	0.00	0.05	0.019	O	|	|	|	|	0.09
69.917	0.00	0.13	0.053	O	|	|	|	|	0.26	75.083	0.00	0.05	0.018	O	|	|	|	|	0.09
70.000	0.00	0.13	0.052	O	|	|	|	|	0.26	75.167	0.00	0.04	0.018	O	|	|	|	|	0.09

75.250	0.00	0.04	0.018	O	|	|	|	|	0.09	80.417	0.00	0.02	0.006	O	|	|	|	|	0.03
75.333	0.00	0.04	0.018	O	|	|	|	|	0.09	80.500	0.00	0.02	0.006	O	|	|	|	|	0.03
75.417	0.00	0.04	0.017	O	|	|	|	|	0.09	80.583	0.00	0.01	0.006	O	|	|	|	|	0.03
75.500	0.00	0.04	0.017	O	|	|	|	|	0.08	80.667	0.00	0.01	0.006	O	|	|	|	|	0.03
75.583	0.00	0.04	0.017	O	|	|	|	|	0.08	80.750	0.00	0.01	0.006	O	|	|	|	|	0.03
75.667	0.00	0.04	0.016	O	|	|	|	|	0.08	80.833	0.00	0.01	0.006	O	|	|	|	|	0.03
75.750	0.00	0.04	0.016	O	|	|	|	|	0.08	80.917	0.00	0.01	0.006	O	|	|	|	|	0.03
75.833	0.00	0.04	0.016	O	|	|	|	|	0.08	81.000	0.00	0.01	0.006	O	|	|	|	|	0.03
75.917	0.00	0.04	0.016	O	|	|	|	|	0.08	81.083	0.00	0.01	0.005	O	|	|	|	|	0.03
76.000	0.00	0.04	0.015	O	|	|	|	|	0.08	81.167	0.00	0.01	0.005	O	|	|	|	|	0.03
76.083	0.00	0.04	0.015	O	|	|	|	|	0.07	81.250	0.00	0.01	0.005	O	|	|	|	|	0.03
76.167	0.00	0.04	0.015	O	|	|	|	|	0.07	81.333	0.00	0.01	0.005	O	|	|	|	|	0.03
76.250	0.00	0.04	0.015	O	|	|	|	|	0.07	81.417	0.00	0.01	0.005	O	|	|	|	|	0.03
76.333	0.00	0.04	0.014	O	|	|	|	|	0.07	81.500	0.00	0.01	0.005	O	|	|	|	|	0.02
76.417	0.00	0.03	0.014	O	|	|	|	|	0.07	81.583	0.00	0.01	0.005	O	|	|	|	|	0.02
76.500	0.00	0.03	0.014	O	|	|	|	|	0.07	81.667	0.00	0.01	0.005	O	|	|	|	|	0.02
76.583	0.00	0.03	0.014	O	|	|	|	|	0.07	81.750	0.00	0.01	0.005	O	|	|	|	|	0.02
76.667	0.00	0.03	0.013	O	|	|	|	|	0.07	81.833	0.00	0.01	0.005	O	|	|	|	|	0.02
76.750	0.00	0.03	0.013	O	|	|	|	|	0.07	81.917	0.00	0.01	0.005	O	|	|	|	|	0.02
76.833	0.00	0.03	0.013	O	|	|	|	|	0.06	82.000	0.00	0.01	0.004	O	|	|	|	|	0.02
76.917	0.00	0.03	0.013	O	|	|	|	|	0.06	82.083	0.00	0.01	0.004	O	|	|	|	|	0.02
77.000	0.00	0.03	0.012	O	|	|	|	|	0.06	82.167	0.00	0.01	0.004	O	|	|	|	|	0.02
77.083	0.00	0.03	0.012	O	|	|	|	|	0.06	82.250	0.00	0.01	0.004	O	|	|	|	|	0.02
77.167	0.00	0.03	0.012	O	|	|	|	|	0.06	82.333	0.00	0.01	0.004	O	|	|	|	|	0.02
77.250	0.00	0.03	0.012	O	|	|	|	|	0.06	82.417	0.00	0.01	0.004	O	|	|	|	|	0.02
77.333	0.00	0.03	0.012	O	|	|	|	|	0.06	82.500	0.00	0.01	0.004	O	|	|	|	|	0.02
77.417	0.00	0.03	0.011	O	|	|	|	|	0.06	82.583	0.00	0.01	0.004	O	|	|	|	|	0.02
77.500	0.00	0.03	0.011	O	|	|	|	|	0.06	82.667	0.00	0.01	0.004	O	|	|	|	|	0.02
77.583	0.00	0.03	0.011	O	|	|	|	|	0.05	82.750	0.00	0.01	0.004	O	|	|	|	|	0.02
77.667	0.00	0.03	0.011	O	|	|	|	|	0.05	82.833	0.00	0.01	0.004	O	|	|	|	|	0.02
77.750	0.00	0.03	0.011	O	|	|	|	|	0.05	82.917	0.00	0.01	0.004	O	|	|	|	|	0.02
77.833	0.00	0.03	0.011	O	|	|	|	|	0.05	83.000	0.00	0.01	0.004	O	|	|	|	|	0.02
77.917	0.00	0.03	0.010	O	|	|	|	|	0.05	83.083	0.00	0.01	0.004	O	|	|	|	|	0.02
78.000	0.00	0.03	0.010	O	|	|	|	|	0.05	83.167	0.00	0.01	0.004	O	|	|	|	|	0.02
78.083	0.00	0.02	0.010	O	|	|	|	|	0.05	83.250	0.00	0.01	0.003	O	|	|	|	|	0.02
78.167	0.00	0.02	0.010	O	|	|	|	|	0.05	83.333	0.00	0.01	0.003	O	|	|	|	|	0.02
78.250	0.00	0.02	0.010	O	|	|	|	|	0.05	83.417	0.00	0.01	0.003	O	|	|	|	|	0.02
78.333	0.00	0.02	0.010	O	|	|	|	|	0.05	83.500	0.00	0.01	0.003	O	|	|	|	|	0.02
78.417	0.00	0.02	0.009	O	|	|	|	|	0.05	83.583	0.00	0.01	0.003	O	|	|	|	|	0.02
78.500	0.00	0.02	0.009	O	|	|	|	|	0.05	83.667	0.00	0.01	0.003	O	|	|	|	|	0.02
78.583	0.00	0.02	0.009	O	|	|	|	|	0.04	83.750	0.00	0.01	0.003	O	|	|	|	|	0.02
78.667	0.00	0.02	0.009	O	|	|	|	|	0.04	83.833	0.00	0.01	0.003	O	|	|	|	|	0.02
78.750	0.00	0.02	0.009	O	|	|	|	|	0.04	83.917	0.00	0.01	0.003	O	|	|	|	|	0.02
78.833	0.00	0.02	0.009	O	|	|	|	|	0.04	84.000	0.00	0.01	0.003	O	|	|	|	|	0.01
78.917	0.00	0.02	0.008	O	|	|	|	|	0.04	84.083	0.00	0.01	0.003	O	|	|	|	|	0.01
79.000	0.00	0.02	0.008	O	|	|	|	|	0.04	84.167	0.00	0.01	0.003	O	|	|	|	|	0.01
79.083	0.00	0.02	0.008	O	|	|	|	|	0.04	84.250	0.00	0.01	0.003	O	|	|	|	|	0.01
79.167	0.00	0.02	0.008	O	|	|	|	|	0.04	84.333	0.00	0.01	0.003	O	|	|	|	|	0.01
79.250	0.00	0.02	0.008	O	|	|	|	|	0.04	84.417	0.00	0.01	0.003	O	|	|	|	|	0.01
79.333	0.00	0.02	0.008	O	|	|	|	|	0.04	84.500	0.00	0.01	0.003	O	|	|	|	|	0.01
79.417	0.00	0.02	0.008	O	|	|	|	|	0.04	84.583	0.00	0.01	0.003	O	|	|	|	|	0.01
79.500	0.00	0.02	0.007	O	|	|	|	|	0.04	84.667	0.00	0.01	0.003	O	|	|	|	|	0.01
79.583	0.00	0.02	0.007	O	|	|	|	|	0.04	84.750	0.00	0.01	0.003	O	|	|	|	|	0.01
79.667	0.00	0.02	0.007	O	|	|	|	|	0.04	84.833	0.00	0.01	0.003	O	|	|	|	|	0.01
79.750	0.00	0.02	0.007	O	|	|	|	|	0.04	84.917	0.00	0.01	0.002	O	|	|	|	|	0.01
79.833	0.00	0.02	0.007	O	|	|	|	|	0.03	85.000	0.00	0.01	0.002	O	|	|	|	|	0.01
79.917	0.00	0.02	0.007	O	|	|	|	|	0.03	85.083	0.00	0.01	0.002	O	|	|	|	|	0.01
80.000	0.00	0.02	0.007	O	|	|	|	|	0.03	85.167	0.00	0.01	0.002	O	|	|	|	|	0.01
80.083	0.00	0.02	0.007	O	|	|	|	|	0.03	85.250	0.00	0.01	0.002	O	|	|	|	|	0.01
80.167	0.00	0.02	0.007	O	|	|	|	|	0.03	85.333	0.00	0.01	0.002	O	|	|	|	|	0.01
80.250	0.00	0.02	0.006	O	|	|	|	|	0.03	85.417	0.00	0.01	0.002	O	|	|	|	|	0.01
80.333	0.00	0.02	0.006	O	|	|	|	|	0.03	85.500	0.00	0.01	0.002	O	|	|	|	|	0.01

85.583	0.00	0.01	0.002	O	|	|	|	|	0.01
85.667	0.00	0.01	0.002	O	|	|	|	|	0.01
85.750	0.00	0.01	0.002	O	|	|	|	|	0.01
85.833	0.00	0.01	0.002	O	|	|	|	|	0.01
85.917	0.00	0.00	0.002	O	|	|	|	|	0.01
86.000	0.00	0.00	0.002	O	|	|	|	|	0.01
86.083	0.00	0.00	0.002	O	|	|	|	|	0.01
86.167	0.00	0.00	0.002	O	|	|	|	|	0.01
86.250	0.00	0.00	0.002	O	|	|	|	|	0.01
86.333	0.00	0.00	0.002	O	|	|	|	|	0.01
86.417	0.00	0.00	0.002	O	|	|	|	|	0.01
86.500	0.00	0.00	0.002	O	|	|	|	|	0.01
86.583	0.00	0.00	0.002	O	|	|	|	|	0.01
86.667	0.00	0.00	0.002	O	|	|	|	|	0.01
86.750	0.00	0.00	0.002	O	|	|	|	|	0.01
86.833	0.00	0.00	0.002	O	|	|	|	|	0.01
86.917	0.00	0.00	0.002	O	|	|	|	|	0.01
87.000	0.00	0.00	0.002	O	|	|	|	|	0.01
87.083	0.00	0.00	0.002	O	|	|	|	|	0.01
87.167	0.00	0.00	0.002	O	|	|	|	|	0.01
87.250	0.00	0.00	0.002	O	|	|	|	|	0.01
87.333	0.00	0.00	0.002	O	|	|	|	|	0.01
87.417	0.00	0.00	0.001	O	|	|	|	|	0.01
87.500	0.00	0.00	0.001	O	|	|	|	|	0.01
87.583	0.00	0.00	0.001	O	|	|	|	|	0.01
87.667	0.00	0.00	0.001	O	|	|	|	|	0.01
87.750	0.00	0.00	0.001	O	|	|	|	|	0.01
87.833	0.00	0.00	0.001	O	|	|	|	|	0.01
87.917	0.00	0.00	0.001	O	|	|	|	|	0.01
88.000	0.00	0.00	0.001	O	|	|	|	|	0.01
88.083	0.00	0.00	0.001	O	|	|	|	|	0.01
88.167	0.00	0.00	0.001	O	|	|	|	|	0.01
88.250	0.00	0.00	0.001	O	|	|	|	|	0.01
88.333	0.00	0.00	0.001	O	|	|	|	|	0.01
88.417	0.00	0.00	0.001	O	|	|	|	|	0.01
88.500	0.00	0.00	0.001	O	|	|	|	|	0.01
88.583	0.00	0.00	0.001	O	|	|	|	|	0.01
88.667	0.00	0.00	0.001	O	|	|	|	|	0.01
88.750	0.00	0.00	0.001	O	|	|	|	|	0.01
88.833	0.00	0.00	0.001	O	|	|	|	|	0.01
88.917	0.00	0.00	0.001	O	|	|	|	|	0.01
89.000	0.00	0.00	0.001	O	|	|	|	|	0.01
89.083	0.00	0.00	0.001	O	|	|	|	|	0.01
89.167	0.00	0.00	0.001	O	|	|	|	|	0.01
89.250	0.00	0.00	0.001	O	|	|	|	|	0.01
89.333	0.00	0.00	0.001	O	|	|	|	|	0.00
89.417	0.00	0.00	0.001	O	|	|	|	|	0.00
89.500	0.00	0.00	0.001	O	|	|	|	|	0.00
89.583	0.00	0.00	0.001	O	|	|	|	|	0.00
89.667	0.00	0.00	0.001	O	|	|	|	|	0.00
89.750	0.00	0.00	0.001	O	|	|	|	|	0.00
89.833	0.00	0.00	0.001	O	|	|	|	|	0.00
89.917	0.00	0.00	0.001	O	|	|	|	|	0.00
90.000	0.00	0.00	0.001	O	|	|	|	|	0.00
90.083	0.00	0.00	0.001	O	|	|	|	|	0.00
90.167	0.00	0.00	0.001	O	|	|	|	|	0.00
90.250	0.00	0.00	0.001	O	|	|	|	|	0.00
90.333	0.00	0.00	0.001	O	|	|	|	|	0.00
90.417	0.00	0.00	0.001	O	|	|	|	|	0.00
90.500	0.00	0.00	0.001	O	|	|	|	|	0.00
90.583	0.00	0.00	0.001	O	|	|	|	|	0.00
90.667	0.00	0.00	0.001	O	|	|	|	|	0.00
90.750	0.00	0.00	0.001	O	|	|	|	|	0.00
90.833	0.00	0.00	0.001	O	|	|	|	|	0.00
90.917	0.00	0.00	0.001	O	|	|	|	|	0.00
91.000	0.00	0.00	0.001	O	|	|	|	|	0.00
91.083	0.00	0.00	0.001	O	|	|	|	|	0.00
91.167	0.00	0.00	0.001	O	|	|	|	|	0.00
91.250	0.00	0.00	0.001	O	|	|	|	|	0.00
91.333	0.00	0.00	0.001	O	|	|	|	|	0.00
91.417	0.00	0.00	0.001	O	|	|	|	|	0.00
91.500	0.00	0.00	0.001	O	|	|	|	|	0.00
91.583	0.00	0.00	0.001	O	|	|	|	|	0.00
91.667	0.00	0.00	0.001	O	|	|	|	|	0.00
91.750	0.00	0.00	0.001	O	|	|	|	|	0.00
91.833	0.00	0.00	0.001	O	|	|	|	|	0.00
91.917	0.00	0.00	0.001	O	|	|	|	|	0.00
92.000	0.00	0.00	0.001	O	|	|	|	|	0.00
92.083	0.00	0.00	0.001	O	|	|	|	|	0.00
92.167	0.00	0.00	0.001	O	|	|	|	|	0.00
92.250	0.00	0.00	0.001	O	|	|	|	|	0.00
92.333	0.00	0.00	0.001	O	|	|	|	|	0.00
92.417	0.00	0.00	0.001	O	|	|	|	|	0.00
92.500	0.00	0.00	0.001	O	|	|	|	|	0.00
92.583	0.00	0.00	0.001	O	|	|	|	|	0.00
92.667	0.00	0.00	0.001	O	|	|	|	|	0.00
92.750	0.00	0.00	0.000	O	|	|	|	|	0.00
92.833	0.00	0.00	0.000	O	|	|	|	|	0.00
92.917	0.00	0.00	0.000	O	|	|	|	|	0.00
93.000	0.00	0.00	0.000	O	|	|	|	|	0.00
93.083	0.00	0.00	0.000	O	|	|	|	|	0.00
93.167	0.00	0.00	0.000	O	|	|	|	|	0.00
93.250	0.00	0.00	0.000	O	|	|	|	|	0.00
93.333	0.00	0.00	0.000	O	|	|	|	|	0.00
93.417	0.00	0.00	0.000	O	|	|	|	|	0.00
93.500	0.00	0.00	0.000	O	|	|	|	|	0.00
93.583	0.00	0.00	0.000	O	|	|	|	|	0.00
93.667	0.00	0.00	0.000	O	|	|	|	|	0.00
93.750	0.00	0.00	0.000	O	|	|	|	|	0.00
93.833	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1126
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 15.218 (CFS)
Total volume = 9.399 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.168	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.252	0.000	0.000	0.000	0.000

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Process from Point/Station 10.900 to Point/Station 10.900

**** STORE OR DELETE CURRENT HYDROGRAPH ****

Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 2 with
a starting time of 0.00 hours and ending time of 25.00 hours
With a total volume of 5.63(Ac.Ft)

**********HYDROGRAPH DATA**********

```
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.168    15.218     0.000     0.000     0.000
          Vol (Ac.Ft)      0.252     5.634     0.000     0.000     0.000
 ************************************************************************

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 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Process from Point/Station       10.910 to Point/Station       10.920
 **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
 ________________________________________________________________________
 ********************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP10F1003100.rte
 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                  P R I N T   O F   S T O R M
                R u n o f f     H y d r o g r a p h
 ------------------------------------------------------------------------
             Hydrograph in   5   Minute intervals (CFS)

 ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       12.0      24.1      36.1      48.1
------------------------------------------------------------------------
  0+ 5       2.9947      2.99  | Q       |         |         |         |
  0+10       5.6908      5.69  |   Q     |         |         |         |
  0+15       5.2744      5.27  |   Q     |         |         |         |
  0+20       6.0022      6.00  |   Q     |         |         |         |
  0+25       7.1396      7.14  |    Q    |         |         |         |
  0+30       8.2407      8.24  |     Q   |         |         |         |
  0+35       8.1417      8.14  |     Q   |         |         |         |
  0+40       8.3221      8.32  |     Q   |         |         |         |
  0+45       9.1344      9.13  |      Q  |         |         |         |
  0+50       8.2231      8.22  |     Q   |         |         |         |
  0+55       7.6603      7.66  |     Q   |         |         |         |
  1+ 0       8.5386      8.54  |      Q  |         |         |         |
  1+ 5      10.4852     10.49  |       Q |         |         |         |
  1+10      11.7310     11.73  |        Q|         |         |         |
  1+15      11.8394     11.84  |        Q|         |         |         |
  1+20      11.1776     11.18  |        Q|         |         |         |
  1+25      12.5672     12.57  |         Q         |         |         |
  1+30      14.6313     14.63  |         | Q       |         |         |
  1+35      14.0992     14.10  |         |Q        |         |         |
  1+40      14.2253     14.23  |         |Q        |         |         |
  1+45      17.0231     17.02  |         |   Q     |         |         |
  1+50      18.2300     18.23  |         |    Q    |         |         |
  1+55      17.1351     17.14  |         |   Q     |         |         |
  2+ 0      16.8160     16.82  |         |  Q      |         |         |
  2+ 5      17.3906     17.39  |         |   Q     |         |         |
  2+10      21.3555     21.36  |         |      Q  |         |         |
  2+15      27.3067     27.31  |         |         | Q       |         |
  2+20      25.0247     25.02  |         |         Q         |         |
  2+25      31.6927     31.69  |         |         |     Q   |         |
  2+30      42.7713     42.77  |         |         |         |    Q    |
  2+35      48.1337     48.13  |         |         |         |         Q
  2+40      43.3396     43.34  |         |         |         |     Q   |
  2+45      23.8268     23.83  |         |         Q|        |         |
  2+50      10.9232     10.92  |         |        Q|         |         |         |
  2+55       9.2700      9.27  |         |      Q  |         |         |         |
  3+ 0       5.8173      5.82  |         |   Q     |         |         |         |
  3+ 5       1.5070      1.51  |         |Q        |         |         |         |
  3+10       0.1025      0.10  |         Q         |         |         |         |
------------------------------------------------------------------------

 ***************************HYDROGRAPH DATA****************************
                Number of intervals =    38
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       48.134 (CFS)
                Total volume =       3.883 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.168    15.218     0.000     0.000     0.000
          Vol (Ac.Ft)      0.252     5.634     0.000     0.000     0.000
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 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Process from Point/Station       10.920 to Point/Station       10.920
 **** RETARDING BASIN ROUTING ****
 ________________________________________________________________________

 User entry of depth-outflow-storage data
 ------------------------------------------------------------------------
 Total number of inflow hydrograph intervals = 38
 Hydrograph time unit =  5.000 (Min.)
 Initial depth in storage basin =   0.00(Ft.)
 ------------------------------------------------------------------------
 ------------------------------------------------------------------------
 Initial basin depth =   0.00 (Ft.)
 Initial basin storage =      0.00 (Ac.Ft)
 Initial basin outflow =   0.00 (CFS)
 ------------------------------------------------------------------------
 ------------------------------------------------------------------------
 Depth vs. Storage and Depth vs. Discharge data:
  Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
      (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)     (Ac.Ft)
 ------------------------------------------------------------------------
   0.000      0.000      0.000      0.000       0.000
   1.000      0.073      0.200      0.072       0.074
   2.000      0.182      0.560      0.180       0.184
   3.000      0.333      0.780      0.330       0.336
   4.000      0.529      0.940      0.526       0.532
   5.000      0.775      1.080      0.771       0.779
   6.000      1.076      1.200      1.072       1.080
   7.000      1.437      1.310      1.432       1.442
   8.000      1.863      1.410      1.858       1.868
   9.000      2.359      1.500      2.354       2.364
  10.000      2.931      1.590      2.926       2.936
  11.000      3.583      1.680      3.577       3.589
  12.000      4.322      1.760      4.316       4.328
  13.000      5.162      1.840      5.156       5.168
  14.000      6.114      1.910      6.107       6.121
  15.000      7.175      1.980      7.168       7.182
  16.000      8.351     26.320      8.260       8.442
  17.000      9.646     70.760      9.402       9.890
  18.000     11.067    128.280     10.625      11.509
 ------------------------------------------------------------------------
                Hydrograph Detention Basin Routing
```

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 12.0 24.07 36.10 48.13	Depth (Ft.)
0.083	2.99	0.03	0.010	OI	0.14
0.167	5.69	0.11	0.040	O I	0.54
0.250	5.27	0.21	0.076	O I	1.03
0.333	6.00	0.33	0.113	O I	1.37
0.417	7.14	0.47	0.156	O I	1.76
0.500	8.24	0.59	0.205	O I	2.15
0.583	8.14	0.67	0.257	O I	2.50
0.667	8.32	0.74	0.309	O I	2.84
0.750	9.13	0.81	0.364	O I	3.16
0.833	8.22	0.85	0.418	O I	3.43
0.917	7.66	0.89	0.466	O I	3.68
1.000	8.54	0.93	0.516	O I	3.93
1.083	10.49	0.97	0.575	O I	4.19
1.167	11.73	1.01	0.645	O I	4.47
1.250	11.84	1.05	0.719	O I	4.77
1.333	11.18	1.09	0.791	O I	5.05
1.417	12.57	1.12	0.865	O I	5.30
1.500	14.63	1.15	0.951	O I	5.58
1.583	14.10	1.19	1.042	O I	5.89
1.667	14.23	1.22	1.131	O I	6.15
1.750	17.02	1.25	1.230	O I	6.43
1.833	18.23	1.28	1.343	O I	6.74
1.917	17.14	1.31	1.456	O I	7.04
2.000	16.82	1.34	1.563	O I	7.30
2.083	17.39	1.37	1.672	O I	7.55
2.167	21.36	1.39	1.796	O I	7.84
2.250	27.31	1.43	1.954	O I	8.18
2.333	25.02	1.46	2.124	O I	8.53
2.417	31.69	1.49	2.309	O I	8.90
2.500	42.77	1.53	2.555	IO I	9.34
2.583	48.13	1.58	2.857	IO I	9.87
2.667	43.34	1.62	3.161	IO I	10.35
2.750	23.83	1.65	3.381	IO I	10.69
2.833	10.92	1.67	3.490	IO I	10.86
2.917	9.27	1.68	3.548	IO I	10.95
3.000	5.82	1.68	3.588	IO I	11.01
3.083	1.51	1.68	3.602	IO	11.03
3.167	0.10	1.68	3.596	IO	11.02
3.250	0.00	1.68	3.584	IO	11.00
3.333	0.00	1.68	3.573	IO	10.98
3.417	0.00	1.68	3.561	IO	10.97
3.500	0.00	1.68	3.550	IO	10.95
3.583	0.00	1.67	3.538	IO	10.93
3.667	0.00	1.67	3.527	IO	10.91
3.750	0.00	1.67	3.515	IO	10.90
3.833	0.00	1.67	3.504	IO	10.88
3.917	0.00	1.67	3.492	IO	10.86
4.000	0.00	1.67	3.481	IO	10.84
4.083	0.00	1.66	3.469	IO	10.83
4.167	0.00	1.66	3.458	IO	10.81
4.250	0.00	1.66	3.446	IO	10.79
4.333	0.00	1.66	3.435	IO	10.77
4.417	0.00	1.66	3.423	IO	10.76
4.500	0.00	1.66	3.412	IO	10.74
4.583	0.00	1.65	3.401	IO	10.72
4.667	0.00	1.65	3.389	IO	10.70
4.750	0.00	1.65	3.378	IO	10.69
4.833	0.00	1.65	3.366	IO	10.67
4.917	0.00	1.65	3.355	IO	10.65
5.000	0.00	1.65	3.344	IO	10.63
5.083	0.00	1.65	3.332	IO	10.62
5.167	0.00	1.64	3.321	IO	10.60
5.250	0.00	1.64	3.310	IO	10.58
5.333	0.00	1.64	3.298	IO	10.56
5.417	0.00	1.64	3.287	IO	10.55
5.500	0.00	1.64	3.276	IO	10.53
5.583	0.00	1.64	3.265	IO	10.51
5.667	0.00	1.63	3.253	IO	10.49
5.750	0.00	1.63	3.242	IO	10.48
5.833	0.00	1.63	3.231	IO	10.46
5.917	0.00	1.63	3.220	IO	10.44
6.000	0.00	1.63	3.208	IO	10.43
6.083	0.00	1.63	3.197	IO	10.41
6.167	0.00	1.63	3.186	IO	10.39
6.250	0.00	1.62	3.175	IO	10.37
6.333	0.00	1.62	3.164	IO	10.36
6.417	0.00	1.62	3.152	IO	10.34
6.500	0.00	1.62	3.141	IO	10.32
6.583	0.00	1.62	3.130	IO	10.31
6.667	0.00	1.62	3.119	IO	10.29
6.750	0.00	1.61	3.108	IO	10.27
6.833	0.00	1.61	3.097	IO	10.25
6.917	0.00	1.61	3.086	IO	10.24
7.000	0.00	1.61	3.075	IO	10.22
7.083	0.00	1.61	3.064	IO	10.20
7.167	0.00	1.61	3.052	IO	10.19
7.250	0.00	1.61	3.041	IO	10.17
7.333	0.00	1.60	3.030	IO	10.15
7.417	0.00	1.60	3.019	IO	10.14
7.500	0.00	1.60	3.008	IO	10.12
7.583	0.00	1.60	2.997	IO	10.10
7.667	0.00	1.60	2.986	IO	10.08
7.750	0.00	1.60	2.975	IO	10.07
7.833	0.00	1.59	2.964	IO	10.05
7.917	0.00	1.59	2.953	IO	10.03
8.000	0.00	1.59	2.942	IO	10.02
8.083	0.00	1.59	2.931	IO	10.00
8.167	0.00	1.59	2.920	IO	9.98
8.250	0.00	1.59	2.910	IO	9.96
8.333	0.00	1.58	2.899	IO	9.94
8.417	0.00	1.58	2.888	IO	9.92
8.500	0.00	1.58	2.877	IO	9.91
8.583	0.00	1.58	2.866	IO	9.89
8.667	0.00	1.58	2.855	IO	9.87
8.750	0.00	1.58	2.844	IO	9.85
8.833	0.00	1.57	2.833	IO	9.83
8.917	0.00	1.57	2.822	IO	9.81
9.000	0.00	1.57	2.812	IO	9.79
9.083	0.00	1.57	2.801	IO	9.77
9.167	0.00	1.57	2.790	IO	9.75
9.250	0.00	1.57	2.779	IO	9.73
9.333	0.00	1.56	2.768	IO	9.72
9.417	0.00	1.56	2.758	IO	9.70
9.500	0.00	1.56	2.747	IO	9.68
9.583	0.00	1.56	2.736	IO	9.66
9.667	0.00	1.56	2.725	IO	9.64
9.750	0.00	1.56	2.715	IO	9.62
9.833	0.00	1.55	2.704	IO	9.60

9.917	0.00	1.55	2.693	IO	|	|	|	|	9.58	15.083	0.00	1.44	2.053	O	|	|	|	|	8.38
10.000	0.00	1.55	2.683	IO	|	|	|	|	9.57	15.167	0.00	1.44	2.043	O	|	|	|	|	8.36
10.083	0.00	1.55	2.672	IO	|	|	|	|	9.55	15.250	0.00	1.44	2.033	O	|	|	|	|	8.34
10.167	0.00	1.55	2.661	IO	|	|	|	|	9.53	15.333	0.00	1.44	2.023	O	|	|	|	|	8.32
10.250	0.00	1.55	2.651	IO	|	|	|	|	9.51	15.417	0.00	1.44	2.013	O	|	|	|	|	8.30
10.333	0.00	1.54	2.640	IO	|	|	|	|	9.49	15.500	0.00	1.44	2.003	O	|	|	|	|	8.28
10.417	0.00	1.54	2.629	IO	|	|	|	|	9.47	15.583	0.00	1.43	1.993	O	|	|	|	|	8.26
10.500	0.00	1.54	2.619	IO	|	|	|	|	9.45	15.667	0.00	1.43	1.984	O	|	|	|	|	8.24
10.583	0.00	1.54	2.608	IO	|	|	|	|	9.44	15.750	0.00	1.43	1.974	O	|	|	|	|	8.22
10.667	0.00	1.54	2.598	IO	|	|	|	|	9.42	15.833	0.00	1.43	1.964	O	|	|	|	|	8.20
10.750	0.00	1.54	2.587	IO	|	|	|	|	9.40	15.917	0.00	1.43	1.954	O	|	|	|	|	8.18
10.833	0.00	1.53	2.576	IO	|	|	|	|	9.38	16.000	0.00	1.42	1.944	O	|	|	|	|	8.16
10.917	0.00	1.53	2.566	IO	|	|	|	|	9.36	16.083	0.00	1.42	1.934	O	|	|	|	|	8.14
11.000	0.00	1.53	2.555	IO	|	|	|	|	9.34	16.167	0.00	1.42	1.925	O	|	|	|	|	8.12
11.083	0.00	1.53	2.545	IO	|	|	|	|	9.32	16.250	0.00	1.42	1.915	O	|	|	|	|	8.10
11.167	0.00	1.53	2.534	IO	|	|	|	|	9.31	16.333	0.00	1.42	1.905	O	|	|	|	|	8.08
11.250	0.00	1.53	2.524	IO	|	|	|	|	9.29	16.417	0.00	1.42	1.895	O	|	|	|	|	8.07
11.333	0.00	1.52	2.513	IO	|	|	|	|	9.27	16.500	0.00	1.41	1.886	O	|	|	|	|	8.05
11.417	0.00	1.52	2.503	IO	|	|	|	|	9.25	16.583	0.00	1.41	1.876	O	|	|	|	|	8.03
11.500	0.00	1.52	2.492	IO	|	|	|	|	9.23	16.667	0.00	1.41	1.866	O	|	|	|	|	8.01
11.583	0.00	1.52	2.482	IO	|	|	|	|	9.21	16.750	0.00	1.41	1.856	O	|	|	|	|	7.98
11.667	0.00	1.52	2.471	IO	|	|	|	|	9.20	16.833	0.00	1.41	1.847	O	|	|	|	|	7.96
11.750	0.00	1.52	2.461	IO	|	|	|	|	9.18	16.917	0.00	1.40	1.837	O	|	|	|	|	7.94
11.833	0.00	1.51	2.450	IO	|	|	|	|	9.16	17.000	0.00	1.40	1.827	O	|	|	|	|	7.92
11.917	0.00	1.51	2.440	IO	|	|	|	|	9.14	17.083	0.00	1.40	1.818	O	|	|	|	|	7.89
12.000	0.00	1.51	2.430	IO	|	|	|	|	9.12	17.167	0.00	1.40	1.808	O	|	|	|	|	7.87
12.083	0.00	1.51	2.419	IO	|	|	|	|	9.11	17.250	0.00	1.39	1.798	O	|	|	|	|	7.85
12.167	0.00	1.51	2.409	IO	|	|	|	|	9.09	17.333	0.00	1.39	1.789	O	|	|	|	|	7.83
12.250	0.00	1.51	2.398	IO	|	|	|	|	9.07	17.417	0.00	1.39	1.779	O	|	|	|	|	7.80
12.333	0.00	1.50	2.388	IO	|	|	|	|	9.05	17.500	0.00	1.39	1.770	O	|	|	|	|	7.78
12.417	0.00	1.50	2.378	O	|	|	|	|	9.03	17.583	0.00	1.39	1.760	O	|	|	|	|	7.76
12.500	0.00	1.50	2.367	O	|	|	|	|	9.01	17.667	0.00	1.38	1.751	O	|	|	|	|	7.74
12.583	0.00	1.50	2.357	O	|	|	|	|	9.00	17.750	0.00	1.38	1.741	O	|	|	|	|	7.71
12.667	0.00	1.50	2.347	O	|	|	|	|	8.98	17.833	0.00	1.38	1.732	O	|	|	|	|	7.69
12.750	0.00	1.50	2.336	O	|	|	|	|	8.95	17.917	0.00	1.38	1.722	O	|	|	|	|	7.67
12.833	0.00	1.49	2.326	O	|	|	|	|	8.93	18.000	0.00	1.37	1.713	O	|	|	|	|	7.65
12.917	0.00	1.49	2.316	O	|	|	|	|	8.91	18.083	0.00	1.37	1.703	O	|	|	|	|	7.62
13.000	0.00	1.49	2.306	O	|	|	|	|	8.89	18.167	0.00	1.37	1.694	O	|	|	|	|	7.60
13.083	0.00	1.49	2.295	O	|	|	|	|	8.87	18.250	0.00	1.37	1.684	O	|	|	|	|	7.58
13.167	0.00	1.49	2.285	O	|	|	|	|	8.85	18.333	0.00	1.37	1.675	O	|	|	|	|	7.56
13.250	0.00	1.48	2.275	O	|	|	|	|	8.83	18.417	0.00	1.36	1.666	O	|	|	|	|	7.54
13.333	0.00	1.48	2.265	O	|	|	|	|	8.81	18.500	0.00	1.36	1.656	O	|	|	|	|	7.51
13.417	0.00	1.48	2.254	O	|	|	|	|	8.79	18.583	0.00	1.36	1.647	O	|	|	|	|	7.49
13.500	0.00	1.48	2.244	O	|	|	|	|	8.77	18.667	0.00	1.36	1.637	O	|	|	|	|	7.47
13.583	0.00	1.48	2.234	O	|	|	|	|	8.75	18.750	0.00	1.35	1.628	O	|	|	|	|	7.45
13.667	0.00	1.48	2.224	O	|	|	|	|	8.73	18.833	0.00	1.35	1.619	O	|	|	|	|	7.43
13.750	0.00	1.47	2.214	O	|	|	|	|	8.71	18.917	0.00	1.35	1.609	O	|	|	|	|	7.40
13.833	0.00	1.47	2.204	O	|	|	|	|	8.69	19.000	0.00	1.35	1.600	O	|	|	|	|	7.38
13.917	0.00	1.47	2.193	O	|	|	|	|	8.67	19.083	0.00	1.35	1.591	O	|	|	|	|	7.36
14.000	0.00	1.47	2.183	O	|	|	|	|	8.65	19.167	0.00	1.34	1.582	O	|	|	|	|	7.34
14.083	0.00	1.47	2.173	O	|	|	|	|	8.63	19.250	0.00	1.34	1.572	O	|	|	|	|	7.32
14.167	0.00	1.46	2.163	O	|	|	|	|	8.61	19.333	0.00	1.34	1.563	O	|	|	|	|	7.30
14.250	0.00	1.46	2.153	O	|	|	|	|	8.58	19.417	0.00	1.34	1.554	O	|	|	|	|	7.27
14.333	0.00	1.46	2.143	O	|	|	|	|	8.56	19.500	0.00	1.34	1.545	O	|	|	|	|	7.25
14.417	0.00	1.46	2.133	O	|	|	|	|	8.54	19.583	0.00	1.33	1.536	O	|	|	|	|	7.23
14.500	0.00	1.46	2.123	O	|	|	|	|	8.52	19.667	0.00	1.33	1.526	O	|	|	|	|	7.21
14.583	0.00	1.46	2.113	O	|	|	|	|	8.50	19.750	0.00	1.33	1.517	O	|	|	|	|	7.19
14.667	0.00	1.45	2.103	O	|	|	|	|	8.48	19.833	0.00	1.33	1.508	O	|	|	|	|	7.17
14.750	0.00	1.45	2.093	O	|	|	|	|	8.46	19.917	0.00	1.32	1.499	O	|	|	|	|	7.15
14.833	0.00	1.45	2.083	O	|	|	|	|	8.44	20.000	0.00	1.32	1.490	O	|	|	|	|	7.12
14.917	0.00	1.45	2.073	O	|	|	|	|	8.42	20.083	0.00	1.32	1.481	O	|	|	|	|	7.10
15.000	0.00	1.45	2.063	O	|	|	|	|	8.40	20.167	0.00	1.32	1.472	O	|	|	|	|	7.08

20.250	0.00	1.32	1.463	O	|	|	|	|	7.06	25.417	0.00	1.14	0.936	O	|	|	|	|	5.53
20.333	0.00	1.31	1.453	O	|	|	|	|	7.04	25.500	0.00	1.14	0.928	O	|	|	|	|	5.51
20.417	0.00	1.31	1.444	O	|	|	|	|	7.02	25.583	0.00	1.14	0.920	O	|	|	|	|	5.48
20.500	0.00	1.31	1.435	O	|	|	|	|	7.00	25.667	0.00	1.13	0.912	O	|	|	|	|	5.46
20.583	0.00	1.31	1.426	O	|	|	|	|	6.97	25.750	0.00	1.13	0.904	O	|	|	|	|	5.43
20.667	0.00	1.30	1.417	O	|	|	|	|	6.95	25.833	0.00	1.13	0.897	O	|	|	|	|	5.40
20.750	0.00	1.30	1.408	O	|	|	|	|	6.92	25.917	0.00	1.13	0.889	O	|	|	|	|	5.38
20.833	0.00	1.30	1.399	O	|	|	|	|	6.90	26.000	0.00	1.12	0.881	O	|	|	|	|	5.35
20.917	0.00	1.30	1.391	O	|	|	|	|	6.87	26.083	0.00	1.12	0.873	O	|	|	|	|	5.33
21.000	0.00	1.29	1.382	O	|	|	|	|	6.85	26.167	0.00	1.12	0.866	O	|	|	|	|	5.30
21.083	0.00	1.29	1.373	O	|	|	|	|	6.82	26.250	0.00	1.11	0.858	O	|	|	|	|	5.28
21.167	0.00	1.29	1.364	O	|	|	|	|	6.80	26.333	0.00	1.11	0.850	O	|	|	|	|	5.25
21.250	0.00	1.29	1.355	O	|	|	|	|	6.77	26.417	0.00	1.11	0.843	O	|	|	|	|	5.22
21.333	0.00	1.28	1.346	O	|	|	|	|	6.75	26.500	0.00	1.10	0.835	O	|	|	|	|	5.20
21.417	0.00	1.28	1.337	O	|	|	|	|	6.72	26.583	0.00	1.10	0.827	O	|	|	|	|	5.17
21.500	0.00	1.28	1.329	O	|	|	|	|	6.70	26.667	0.00	1.10	0.820	O	|	|	|	|	5.15
21.583	0.00	1.27	1.320	O	|	|	|	|	6.68	26.750	0.00	1.09	0.812	O	|	|	|	|	5.12
21.667	0.00	1.27	1.311	O	|	|	|	|	6.65	26.833	0.00	1.09	0.805	O	|	|	|	|	5.10
21.750	0.00	1.27	1.302	O	|	|	|	|	6.63	26.917	0.00	1.09	0.797	O	|	|	|	|	5.07
21.833	0.00	1.27	1.293	O	|	|	|	|	6.60	27.000	0.00	1.09	0.790	O	|	|	|	|	5.05
21.917	0.00	1.26	1.285	O	|	|	|	|	6.58	27.083	0.00	1.08	0.782	O	|	|	|	|	5.02
22.000	0.00	1.26	1.276	O	|	|	|	|	6.55	27.167	0.00	1.08	0.775	O	|	|	|	|	5.00
22.083	0.00	1.26	1.267	O	|	|	|	|	6.53	27.250	0.00	1.08	0.768	O	|	|	|	|	4.97
22.167	0.00	1.26	1.259	O	|	|	|	|	6.51	27.333	0.00	1.07	0.760	O	|	|	|	|	4.94
22.250	0.00	1.25	1.250	O	|	|	|	|	6.48	27.417	0.00	1.07	0.753	O	|	|	|	|	4.91
22.333	0.00	1.25	1.242	O	|	|	|	|	6.46	27.500	0.00	1.06	0.745	O	|	|	|	|	4.88
22.417	0.00	1.25	1.233	O	|	|	|	|	6.43	27.583	0.00	1.06	0.738	O	|	|	|	|	4.85
22.500	0.00	1.25	1.224	O	|	|	|	|	6.41	27.667	0.00	1.05	0.731	O	|	|	|	|	4.82
22.583	0.00	1.24	1.216	O	|	|	|	|	6.39	27.750	0.00	1.05	0.724	O	|	|	|	|	4.79
22.667	0.00	1.24	1.207	O	|	|	|	|	6.36	27.833	0.00	1.05	0.716	O	|	|	|	|	4.76
22.750	0.00	1.24	1.199	O	|	|	|	|	6.34	27.917	0.00	1.04	0.709	O	|	|	|	|	4.73
22.833	0.00	1.23	1.190	O	|	|	|	|	6.32	28.000	0.00	1.04	0.702	O	|	|	|	|	4.70
22.917	0.00	1.23	1.182	O	|	|	|	|	6.29	28.083	0.00	1.03	0.695	O	|	|	|	|	4.67
23.000	0.00	1.23	1.173	O	|	|	|	|	6.27	28.167	0.00	1.03	0.688	O	|	|	|	|	4.65
23.083	0.00	1.23	1.165	O	|	|	|	|	6.25	28.250	0.00	1.03	0.681	O	|	|	|	|	4.62
23.167	0.00	1.22	1.156	O	|	|	|	|	6.22	28.333	0.00	1.02	0.674	O	|	|	|	|	4.59
23.250	0.00	1.22	1.148	O	|	|	|	|	6.20	28.417	0.00	1.02	0.667	O	|	|	|	|	4.56
23.333	0.00	1.22	1.139	O	|	|	|	|	6.18	28.500	0.00	1.01	0.660	O	|	|	|	|	4.53
23.417	0.00	1.22	1.131	O	|	|	|	|	6.15	28.583	0.00	1.01	0.653	O	|	|	|	|	4.50
23.500	0.00	1.21	1.123	O	|	|	|	|	6.13	28.667	0.00	1.01	0.646	O	|	|	|	|	4.47
23.583	0.00	1.21	1.114	O	|	|	|	|	6.11	28.750	0.00	1.00	0.639	O	|	|	|	|	4.45
23.667	0.00	1.21	1.106	O	|	|	|	|	6.08	28.833	0.00	1.00	0.632	O	|	|	|	|	4.42
23.750	0.00	1.21	1.098	O	|	|	|	|	6.06	28.917	0.00	0.99	0.625	O	|	|	|	|	4.39
23.833	0.00	1.20	1.089	O	|	|	|	|	6.04	29.000	0.00	0.99	0.618	O	|	|	|	|	4.36
23.917	0.00	1.20	1.081	O	|	|	|	|	6.01	29.083	0.00	0.99	0.611	O	|	|	|	|	4.33
24.000	0.00	1.20	1.073	O	|	|	|	|	5.99	29.167	0.00	0.98	0.605	O	|	|	|	|	4.31
24.083	0.00	1.20	1.065	O	|	|	|	|	5.96	29.250	0.00	0.98	0.598	O	|	|	|	|	4.28
24.167	0.00	1.19	1.056	O	|	|	|	|	5.93	29.333	0.00	0.98	0.591	O	|	|	|	|	4.25
24.250	0.00	1.19	1.048	O	|	|	|	|	5.91	29.417	0.00	0.97	0.584	O	|	|	|	|	4.23
24.333	0.00	1.19	1.040	O	|	|	|	|	5.88	29.500	0.00	0.97	0.578	O	|	|	|	|	4.20
24.417	0.00	1.18	1.032	O	|	|	|	|	5.85	29.583	0.00	0.96	0.571	O	|	|	|	|	4.17
24.500	0.00	1.18	1.024	O	|	|	|	|	5.83	29.667	0.00	0.96	0.564	O	|	|	|	|	4.14
24.583	0.00	1.18	1.016	O	|	|	|	|	5.80	29.750	0.00	0.96	0.558	O	|	|	|	|	4.12
24.667	0.00	1.17	1.008	O	|	|	|	|	5.77	29.833	0.00	0.95	0.551	O	|	|	|	|	4.09
24.750	0.00	1.17	0.999	O	|	|	|	|	5.75	29.917	0.00	0.95	0.545	O	|	|	|	|	4.06
24.833	0.00	1.17	0.991	O	|	|	|	|	5.72	30.000	0.00	0.95	0.538	O	|	|	|	|	4.04
24.917	0.00	1.16	0.983	O	|	|	|	|	5.69	30.083	0.00	0.94	0.532	O	|	|	|	|	4.01
25.000	0.00	1.16	0.975	O	|	|	|	|	5.67	30.167	0.00	0.94	0.525	O	|	|	|	|	3.98
25.083	0.00	1.16	0.967	O	|	|	|	|	5.64	30.250	0.00	0.93	0.519	O	|	|	|	|	3.95
25.167	0.00	1.15	0.959	O	|	|	|	|	5.61	30.333	0.00	0.93	0.512	O	|	|	|	|	3.92
25.250	0.00	1.15	0.952	O	|	|	|	|	5.59	30.417	0.00	0.92	0.506	O	|	|	|	|	3.88
25.333	0.00	1.15	0.944	O	|	|	|	|	5.56	30.500	0.00	0.92	0.500	O	|	|	|	|	3.85

30.583	0.00	0.91	0.493	O					3.82	35.750	0.00	0.54	0.177	O					1.95
30.667	0.00	0.91	0.487	O					3.79	35.833	0.00	0.53	0.173	O					1.92
30.750	0.00	0.90	0.481	O					3.75	35.917	0.00	0.52	0.169	O					1.89
30.833	0.00	0.90	0.475	O					3.72	36.000	0.00	0.51	0.166	O					1.85
30.917	0.00	0.89	0.469	O					3.69	36.083	0.00	0.50	0.162	O					1.82
31.000	0.00	0.89	0.462	O					3.66	36.167	0.00	0.48	0.159	O					1.79
31.083	0.00	0.88	0.456	O					3.63	36.250	0.00	0.47	0.156	O					1.76
31.167	0.00	0.88	0.450	O					3.60	36.333	0.00	0.46	0.153	O					1.73
31.250	0.00	0.87	0.444	O					3.57	36.417	0.00	0.45	0.149	O					1.70
31.333	0.00	0.87	0.438	O					3.54	36.500	0.00	0.44	0.146	O					1.67
31.417	0.00	0.86	0.432	O					3.51	36.583	0.00	0.43	0.143	O					1.65
31.500	0.00	0.86	0.426	O					3.48	36.667	0.00	0.42	0.140	O					1.62
31.583	0.00	0.85	0.421	O					3.45	36.750	0.00	0.41	0.138	O					1.59
31.667	0.00	0.85	0.415	O					3.42	36.833	0.00	0.40	0.135	O					1.57
31.750	0.00	0.84	0.409	O					3.39	36.917	0.00	0.39	0.132	O					1.54
31.833	0.00	0.84	0.403	O					3.36	37.000	0.00	0.39	0.129	O					1.52
31.917	0.00	0.83	0.397	O					3.33	37.083	0.00	0.38	0.127	O					1.49
32.000	0.00	0.83	0.392	O					3.30	37.167	0.00	0.37	0.124	O					1.47
32.083	0.00	0.82	0.386	O					3.27	37.250	0.00	0.36	0.122	O					1.45
32.167	0.00	0.82	0.380	O					3.24	37.333	0.00	0.35	0.119	O					1.42
32.250	0.00	0.81	0.375	O					3.21	37.417	0.00	0.34	0.117	O					1.40
32.333	0.00	0.81	0.369	O					3.18	37.500	0.00	0.34	0.114	O					1.38
32.417	0.00	0.80	0.364	O					3.16	37.583	0.00	0.33	0.112	O					1.36
32.500	0.00	0.80	0.358	O					3.13	37.667	0.00	0.32	0.110	O					1.34
32.583	0.00	0.80	0.353	O					3.10	37.750	0.00	0.31	0.108	O					1.32
32.667	0.00	0.79	0.347	O					3.07	37.833	0.00	0.31	0.106	O					1.30
32.750	0.00	0.79	0.342	O					3.04	37.917	0.00	0.30	0.103	O					1.28
32.833	0.00	0.78	0.336	O					3.02	38.000	0.00	0.29	0.101	O					1.26
32.917	0.00	0.78	0.331	O					2.99	38.083	0.00	0.29	0.099	O					1.24
33.000	0.00	0.77	0.326	O					2.95	38.167	0.00	0.28	0.097	O					1.22
33.083	0.00	0.76	0.320	O					2.92	38.250	0.00	0.27	0.095	O					1.21
33.167	0.00	0.75	0.315	O					2.88	38.333	0.00	0.27	0.094	O					1.19
33.250	0.00	0.75	0.310	O					2.85	38.417	0.00	0.26	0.092	O					1.17
33.333	0.00	0.74	0.305	O					2.81	38.500	0.00	0.26	0.090	O					1.16
33.417	0.00	0.73	0.300	O					2.78	38.583	0.00	0.25	0.088	O					1.14
33.500	0.00	0.72	0.295	O					2.75	38.667	0.00	0.24	0.087	O					1.12
33.583	0.00	0.72	0.290	O					2.71	38.750	0.00	0.24	0.085	O					1.11
33.667	0.00	0.71	0.285	O					2.68	38.833	0.00	0.23	0.083	O					1.09
33.750	0.00	0.70	0.280	O					2.65	38.917	0.00	0.23	0.082	O					1.08
33.833	0.00	0.70	0.275	O					2.62	39.000	0.00	0.22	0.080	O					1.07
33.917	0.00	0.69	0.270	O					2.59	39.083	0.00	0.22	0.079	O					1.05
34.000	0.00	0.68	0.266	O					2.55	39.167	0.00	0.21	0.077	O					1.04
34.083	0.00	0.68	0.261	O					2.52	39.250	0.00	0.21	0.076	O					1.02
34.167	0.00	0.67	0.256	O					2.49	39.333	0.00	0.20	0.074	O					1.01
34.250	0.00	0.66	0.252	O					2.46	39.417	0.00	0.20	0.073	O					1.00
34.333	0.00	0.66	0.247	O					2.43	39.500	0.00	0.20	0.071	O					0.98
34.417	0.00	0.65	0.243	O					2.40	39.583	0.00	0.19	0.070	O					0.96
34.500	0.00	0.64	0.238	O					2.37	39.667	0.00	0.19	0.069	O					0.94
34.583	0.00	0.64	0.234	O					2.34	39.750	0.00	0.19	0.068	O					0.93
34.667	0.00	0.63	0.230	O					2.31	39.833	0.00	0.18	0.066	O					0.91
34.750	0.00	0.62	0.225	O					2.29	39.917	0.00	0.18	0.065	O					0.89
34.833	0.00	0.62	0.221	O					2.26	40.000	0.00	0.17	0.064	O					0.87
34.917	0.00	0.61	0.217	O					2.23	40.083	0.00	0.17	0.063	O					0.86
35.000	0.00	0.60	0.213	O					2.20	40.167	0.00	0.17	0.061	O					0.84
35.083	0.00	0.60	0.208	O					2.17	40.250	0.00	0.17	0.060	O					0.83
35.167	0.00	0.59	0.204	O					2.15	40.333	0.00	0.16	0.059	O					0.81
35.250	0.00	0.59	0.200	O					2.12	40.417	0.00	0.16	0.058	O					0.80
35.333	0.00	0.58	0.196	O					2.09	40.500	0.00	0.16	0.057	O					0.78
35.417	0.00	0.57	0.192	O					2.07	40.583	0.00	0.15	0.056	O					0.77
35.500	0.00	0.57	0.188	O					2.04	40.667	0.00	0.15	0.055	O					0.75
35.583	0.00	0.56	0.184	O					2.02	40.750	0.00	0.15	0.054	O					0.74
35.667	0.00	0.56	0.181	O					1.99	40.833	0.00	0.14	0.053	O					0.72

40.917	0.00	0.14	0.052	O					0.71	46.083	0.00	0.04	0.016	O					0.22
41.000	0.00	0.14	0.051	O					0.70	46.167	0.00	0.04	0.016	O					0.22
41.083	0.00	0.14	0.050	O					0.68	46.250	0.00	0.04	0.016	O					0.21
41.167	0.00	0.13	0.049	O					0.67	46.333	0.00	0.04	0.015	O					0.21
41.250	0.00	0.13	0.048	O					0.66	46.417	0.00	0.04	0.015	O					0.20
41.333	0.00	0.13	0.047	O					0.65	46.500	0.00	0.04	0.015	O					0.20
41.417	0.00	0.13	0.046	O					0.63	46.583	0.00	0.04	0.014	O					0.20
41.500	0.00	0.12	0.045	O					0.62	46.667	0.00	0.04	0.014	O					0.19
41.583	0.00	0.12	0.045	O					0.61	46.750	0.00	0.04	0.014	O					0.19
41.667	0.00	0.12	0.044	O					0.60	46.833	0.00	0.04	0.014	O					0.19
41.750	0.00	0.12	0.043	O					0.59	46.917	0.00	0.04	0.013	O					0.18
41.833	0.00	0.12	0.042	O					0.58	47.000	0.00	0.04	0.013	O					0.18
41.917	0.00	0.11	0.041	O					0.57	47.083	0.00	0.04	0.013	O					0.18
42.000	0.00	0.11	0.041	O					0.56	47.167	0.00	0.03	0.013	O					0.17
42.083	0.00	0.11	0.040	O					0.55	47.250	0.00	0.03	0.012	O					0.17
42.167	0.00	0.11	0.039	O					0.54	47.333	0.00	0.03	0.012	O					0.17
42.250	0.00	0.11	0.038	O					0.53	47.417	0.00	0.03	0.012	O					0.16
42.333	0.00	0.10	0.038	O					0.52	47.500	0.00	0.03	0.012	O					0.16
42.417	0.00	0.10	0.037	O					0.51	47.583	0.00	0.03	0.011	O					0.16
42.500	0.00	0.10	0.036	O					0.50	47.667	0.00	0.03	0.011	O					0.15
42.583	0.00	0.10	0.036	O					0.49	47.750	0.00	0.03	0.011	O					0.15
42.667	0.00	0.10	0.035	O					0.48	47.833	0.00	0.03	0.011	O					0.15
42.750	0.00	0.09	0.034	O					0.47	47.917	0.00	0.03	0.011	O					0.15
42.833	0.00	0.09	0.034	O					0.46	48.000	0.00	0.03	0.010	O					0.14
42.917	0.00	0.09	0.033	O					0.45	48.083	0.00	0.03	0.010	O					0.14
43.000	0.00	0.09	0.032	O					0.44	48.167	0.00	0.03	0.010	O					0.14
43.083	0.00	0.09	0.032	O					0.44	48.250	0.00	0.03	0.010	O					0.14
43.167	0.00	0.09	0.031	O					0.43	48.333	0.00	0.03	0.010	O					0.13
43.250	0.00	0.08	0.031	O					0.42	48.417	0.00	0.03	0.009	O					0.13
43.333	0.00	0.08	0.030	O					0.41	48.500	0.00	0.03	0.009	O					0.13
43.417	0.00	0.08	0.029	O					0.40	48.583	0.00	0.03	0.009	O					0.13
43.500	0.00	0.08	0.029	O					0.40	48.667	0.00	0.02	0.009	O					0.12
43.583	0.00	0.08	0.028	O					0.39	48.750	0.00	0.02	0.009	O					0.12
43.667	0.00	0.08	0.028	O					0.38	48.833	0.00	0.02	0.009	O					0.12
43.750	0.00	0.07	0.027	O					0.37	48.917	0.00	0.02	0.008	O					0.12
43.833	0.00	0.07	0.027	O					0.37	49.000	0.00	0.02	0.008	O					0.11
43.917	0.00	0.07	0.026	O					0.36	49.083	0.00	0.02	0.008	O					0.11
44.000	0.00	0.07	0.026	O					0.35	49.167	0.00	0.02	0.008	O					0.11
44.083	0.00	0.07	0.025	O					0.35	49.250	0.00	0.02	0.008	O					0.11
44.167	0.00	0.07	0.025	O					0.34	49.333	0.00	0.02	0.008	O					0.11
44.250	0.00	0.07	0.024	O					0.33	49.417	0.00	0.02	0.008	O					0.10
44.333	0.00	0.07	0.024	O					0.33	49.500	0.00	0.02	0.007	O					0.10
44.417	0.00	0.06	0.023	O					0.32	49.583	0.00	0.02	0.007	O					0.10
44.500	0.00	0.06	0.023	O					0.32	49.667	0.00	0.02	0.007	O					0.10
44.583	0.00	0.06	0.023	O					0.31	49.750	0.00	0.02	0.007	O					0.10
44.667	0.00	0.06	0.022	O					0.30	49.833	0.00	0.02	0.007	O					0.09
44.750	0.00	0.06	0.022	O					0.30	49.917	0.00	0.02	0.007	O					0.09
44.833	0.00	0.06	0.021	O					0.29	50.000	0.00	0.02	0.007	O					0.09
44.917	0.00	0.06	0.021	O					0.29	50.083	0.00	0.02	0.007	O					0.09
45.000	0.00	0.06	0.021	O					0.28	50.167	0.00	0.02	0.006	O					0.09
45.083	0.00	0.06	0.020	O					0.28	50.250	0.00	0.02	0.006	O					0.09
45.167	0.00	0.05	0.020	O					0.27	50.333	0.00	0.02	0.006	O					0.08
45.250	0.00	0.05	0.019	O					0.27	50.417	0.00	0.02	0.006	O					0.08
45.333	0.00	0.05	0.019	O					0.26	50.500	0.00	0.02	0.006	O					0.08
45.417	0.00	0.05	0.019	O					0.26	50.583	0.00	0.02	0.006	O					0.08
45.500	0.00	0.05	0.018	O					0.25	50.667	0.00	0.02	0.006	O					0.08
45.583	0.00	0.05	0.018	O					0.25	50.750	0.00	0.02	0.006	O					0.08
45.667	0.00	0.05	0.018	O					0.24	50.833	0.00	0.02	0.005	O					0.08
45.750	0.00	0.05	0.017	O					0.24	50.917	0.00	0.01	0.005	O					0.07
45.833	0.00	0.05	0.017	O					0.23	51.000	0.00	0.01	0.005	O					0.07
45.917	0.00	0.05	0.017	O					0.23	51.083	0.00	0.01	0.005	O					0.07
46.000	0.00	0.04	0.016	O					0.22	51.167	0.00	0.01	0.005	O					0.07

51.250	0.00	0.01	0.005	O					0.07	56.417	0.00	0.00	0.002	O					0.02
51.333	0.00	0.01	0.005	O					0.07	56.500	0.00	0.00	0.002	O					0.02
51.417	0.00	0.01	0.005	O					0.07	56.583	0.00	0.00	0.001	O					0.02
51.500	0.00	0.01	0.005	O					0.06	56.667	0.00	0.00	0.001	O					0.02
51.583	0.00	0.01	0.005	O					0.06	56.750	0.00	0.00	0.001	O					0.02
51.667	0.00	0.01	0.005	O					0.06	56.833	0.00	0.00	0.001	O					0.02
51.750	0.00	0.01	0.004	O					0.06	56.917	0.00	0.00	0.001	O					0.02
51.833	0.00	0.01	0.004	O					0.06	57.000	0.00	0.00	0.001	O					0.02
51.917	0.00	0.01	0.004	O					0.06	57.083	0.00	0.00	0.001	O					0.02
52.000	0.00	0.01	0.004	O					0.06	57.167	0.00	0.00	0.001	O					0.02
52.083	0.00	0.01	0.004	O					0.06	57.250	0.00	0.00	0.001	O					0.02
52.167	0.00	0.01	0.004	O					0.06	57.333	0.00	0.00	0.001	O					0.02
52.250	0.00	0.01	0.004	O					0.05	57.417	0.00	0.00	0.001	O					0.02
52.333	0.00	0.01	0.004	O					0.05	57.500	0.00	0.00	0.001	O					0.02
52.417	0.00	0.01	0.004	O					0.05	57.583	0.00	0.00	0.001	O					0.02
52.500	0.00	0.01	0.004	O					0.05	57.667	0.00	0.00	0.001	O					0.02
52.583	0.00	0.01	0.004	O					0.05	57.750	0.00	0.00	0.001	O					0.02
52.667	0.00	0.01	0.004	O					0.05	57.833	0.00	0.00	0.001	O					0.02
52.750	0.00	0.01	0.004	O					0.05	57.917	0.00	0.00	0.001	O					0.02
52.833	0.00	0.01	0.003	O					0.05	58.000	0.00	0.00	0.001	O					0.01
52.917	0.00	0.01	0.003	O					0.05	58.083	0.00	0.00	0.001	O					0.01
53.000	0.00	0.01	0.003	O					0.05	58.167	0.00	0.00	0.001	O					0.01
53.083	0.00	0.01	0.003	O					0.05	58.250	0.00	0.00	0.001	O					0.01
53.167	0.00	0.01	0.003	O					0.04	58.333	0.00	0.00	0.001	O					0.01
53.250	0.00	0.01	0.003	O					0.04	58.417	0.00	0.00	0.001	O					0.01
53.333	0.00	0.01	0.003	O					0.04	58.500	0.00	0.00	0.001	O					0.01
53.417	0.00	0.01	0.003	O					0.04	58.583	0.00	0.00	0.001	O					0.01
53.500	0.00	0.01	0.003	O					0.04	58.667	0.00	0.00	0.001	O					0.01
53.583	0.00	0.01	0.003	O					0.04	58.750	0.00	0.00	0.001	O					0.01
53.667	0.00	0.01	0.003	O					0.04	58.833	0.00	0.00	0.001	O					0.01
53.750	0.00	0.01	0.003	O					0.04	58.917	0.00	0.00	0.001	O					0.01
53.833	0.00	0.01	0.003	O					0.04	59.000	0.00	0.00	0.001	O					0.01
53.917	0.00	0.01	0.003	O					0.04	59.083	0.00	0.00	0.001	O					0.01
54.000	0.00	0.01	0.003	O					0.04	59.167	0.00	0.00	0.001	O					0.01
54.083	0.00	0.01	0.003	O					0.04	59.250	0.00	0.00	0.001	O					0.01
54.167	0.00	0.01	0.003	O					0.04	59.333	0.00	0.00	0.001	O					0.01
54.250	0.00	0.01	0.003	O					0.03	59.417	0.00	0.00	0.001	O					0.01
54.333	0.00	0.01	0.002	O					0.03	59.500	0.00	0.00	0.001	O					0.01
54.417	0.00	0.01	0.002	O					0.03	59.583	0.00	0.00	0.001	O					0.01
54.500	0.00	0.01	0.002	O					0.03	59.667	0.00	0.00	0.001	O					0.01
54.583	0.00	0.01	0.002	O					0.03	59.750	0.00	0.00	0.001	O					0.01
54.667	0.00	0.01	0.002	O					0.03	59.833	0.00	0.00	0.001	O					0.01
54.750	0.00	0.01	0.002	O					0.03	59.917	0.00	0.00	0.001	O					0.01
54.833	0.00	0.01	0.002	O					0.03	60.000	0.00	0.00	0.001	O					0.01
54.917	0.00	0.01	0.002	O					0.03	60.083	0.00	0.00	0.001	O					0.01
55.000	0.00	0.01	0.002	O					0.03	60.167	0.00	0.00	0.001	O					0.01
55.083	0.00	0.01	0.002	O					0.03	60.250	0.00	0.00	0.001	O					0.01
55.167	0.00	0.01	0.002	O					0.03	60.333	0.00	0.00	0.001	O					0.01
55.250	0.00	0.01	0.002	O					0.03	60.417	0.00	0.00	0.001	O					0.01
55.333	0.00	0.01	0.002	O					0.03	60.500	0.00	0.00	0.001	O					0.01
55.417	0.00	0.01	0.002	O					0.03	60.583	0.00	0.00	0.001	O					0.01
55.500	0.00	0.01	0.002	O					0.03	60.667	0.00	0.00	0.001	O					0.01
55.583	0.00	0.01	0.002	O					0.03	60.750	0.00	0.00	0.001	O					0.01
55.667	0.00	0.01	0.002	O					0.03	60.833	0.00	0.00	0.001	O					0.01
55.750	0.00	0.00	0.002	O					0.02	60.917	0.00	0.00	0.001	O					0.01
55.833	0.00	0.00	0.002	O					0.02	61.000	0.00	0.00	0.001	O					0.01
55.917	0.00	0.00	0.002	O					0.02	61.083	0.00	0.00	0.001	O					0.01
56.000	0.00	0.00	0.002	O					0.02	61.167	0.00	0.00	0.001	O					0.01
56.083	0.00	0.00	0.002	O					0.02	61.250	0.00	0.00	0.001	O					0.01
56.167	0.00	0.00	0.002	O					0.02	61.333	0.00	0.00	0.001	O					0.01
56.250	0.00	0.00	0.002	O					0.02	61.417	0.00	0.00	0.001	O					0.01
56.333	0.00	0.00	0.002	O					0.02	61.500	0.00	0.00	0.000	O					0.01

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61.583    0.00    0.00      0.000  O       |       |       |       |     0.01
61.667    0.00    0.00      0.000  O       |       |       |       |     0.01
61.750    0.00    0.00      0.000  O       |       |       |       |     0.01
61.833    0.00    0.00      0.000  O       |       |       |       |     0.01
61.917    0.00    0.00      0.000  O       |       |       |       |     0.01
62.000    0.00    0.00      0.000  O       |       |       |       |     0.01
62.083    0.00    0.00      0.000  O       |       |       |       |     0.01
62.167    0.00    0.00      0.000  O       |       |       |       |     0.01
62.250    0.00    0.00      0.000  O       |       |       |       |     0.01
62.333    0.00    0.00      0.000  O       |       |       |       |     0.01
62.417    0.00    0.00      0.000  O       |       |       |       |     0.01
62.500    0.00    0.00      0.000  O       |       |       |       |     0.01
62.583    0.00    0.00      0.000  O       |       |       |       |     0.01
62.667    0.00    0.00      0.000  O       |       |       |       |     0.01
62.750    0.00    0.00      0.000  O       |       |       |       |     0.01
62.833    0.00    0.00      0.000  O       |       |       |       |     0.00

        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =   754
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        1.682 (CFS)
                    Total volume =       3.882 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.168    15.218     0.000     0.000     0.000
            Vol (Ac.Ft)      0.252     5.634     0.000     0.000     0.000
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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.920 to Point/Station       10.920
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ________________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 3 with
        a starting time of   0.00 hours and ending time of  25.00 hours
        With a total volume of       2.91(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.168    15.218     1.682     0.000     0.000
            Vol (Ac.Ft)      0.252     5.634     2.911     0.000     0.000
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        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.930 to Point/Station       10.940
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                    From study/file name: MESAP10H1003100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T   O F   S T O R M
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                    R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)
        ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       20.7      41.3      62.0      82.7
------------------------------------------------------------------------------
  0+ 5       2.3486      2.35  |Q        |         |         |         |
  0+10       9.1539      9.15  |   Q     |         |         |         |
  0+15      10.6819     10.68  |    Q    |         |         |         |
  0+20      10.9758     10.98  |    Q    |         |         |         |
  0+25      13.3636     13.36  |     Q   |         |         |         |
  0+30      14.7407     14.74  |      Q  |         |         |         |
  0+35      16.2682     16.27  |      Q  |         |         |         |
  0+40      15.6105     15.61  |      Q  |         |         |         |
  0+45      17.2147     17.21  |       Q |         |         |         |
  0+50      16.9701     16.97  |       Q |         |         |         |
  0+55      15.4262     15.43  |      Q  |         |         |         |
  1+ 0      15.9888     15.99  |      Q  |         |         |         |
  1+ 5      18.1826     18.18  |       Q |         |         |         |
  1+10      21.1684     21.17  |         Q         |         |         |
  1+15      22.0424     22.04  |         Q         |         |         |
  1+20      21.8945     21.89  |         Q         |         |         |
  1+25      22.0265     22.03  |         Q         |         |         |
  1+30      25.7938     25.79  |          | Q      |         |         |
  1+35      26.7748     26.77  |          | Q      |         |         |
  1+40      26.0544     26.05  |          | Q      |         |         |
  1+45      28.9205     28.92  |          |  Q     |         |         |
  1+50      32.7821     32.78  |          |    Q   |         |         |
  1+55      32.3393     32.34  |          |    Q   |         |         |
  2+ 0      31.3171     31.32  |          |    Q   |         |         |
  2+ 5      31.7979     31.80  |          |    Q   |         |         |
  2+10      34.9804     34.98  |          |     Q  |         |         |
  2+15      44.0989     44.10  |          |        |Q        |         |
  2+20      48.0500     48.05  |          |        |  Q      |         |
  2+25      47.9619     47.96  |          |        |  Q      |         |
  2+30      68.3298     68.33  |          |        |         |  Q      |
  2+35      79.0042     79.00  |          |        |         |       Q |
  2+40      82.6523     82.65  |          |        |         |         Q
  2+45      61.5352     61.54  |          |        |       Q |         |
  2+50      32.4676     32.47  |          |    Q   |         |         |
  2+55      22.6121     22.61  |         Q         |         |         |
  3+ 0      16.8522     16.85  |       Q |         |         |         |
  3+ 5       7.6613      7.66  |  Q      |         |         |         |
  3+10       2.3725      2.37  |Q        |         |         |         |
  3+15       0.7156      0.72  Q         |         |         |         |
  3+20       0.2410      0.24  Q         |         |         |         |
  3+25       0.0746      0.07  Q         |         |         |         |
  3+30       0.0106      0.01  Q         |         |         |         |
------------------------------------------------------------------------------

        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    42
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       82.652 (CFS)
                    Total volume =       7.228 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.168    15.218     1.682     0.000     0.000
            Vol (Ac.Ft)      0.252     5.634     2.911     0.000     0.000
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Process from Point/Station 10.940 to Point/Station 10.940
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data
Total number of inflow hydrograph intervals = 42
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.319	0.400	0.318	0.320
2.000	0.703	0.580	0.701	0.705
3.000	1.155	1.120	1.151	1.159
4.000	1.677	1.410	1.672	1.682
5.000	2.272	1.650	2.266	2.278
6.000	2.942	1.850	2.936	2.948
7.000	3.688	2.040	3.681	3.695
8.000	4.513	2.200	4.505	4.521
9.000	5.417	2.360	5.409	5.425
10.000	6.422	2.510	6.413	6.431
11.000	7.509	2.640	7.500	7.518
12.000	8.660	2.770	8.650	8.670
13.000	9.897	32.020	9.787	10.007
14.000	11.222	85.390	10.928	11.516
15.000	12.636	154.460	12.104	13.168

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	2.35	0.01	0.008	0.03
0.167	9.15	0.06	0.047	0.15
0.250	10.68	0.14	0.115	0.36
0.333	10.98	0.24	0.188	0.59
0.417	13.36	0.34	0.270	0.85
0.500	14.74	0.42	0.364	1.12
0.583	16.27	0.47	0.468	1.39
0.667	15.61	0.52	0.574	1.67
0.750	17.21	0.57	0.684	1.95
0.833	16.97	0.69	0.797	2.21
0.917	15.43	0.82	0.903	2.44
1.000	15.99	0.94	1.005	2.67
1.083	18.18	1.07	1.116	2.91
1.167	21.17	1.17	1.244	3.17
1.250	22.04	1.25	1.384	3.44
1.333	21.89	1.33	1.527	3.71
1.417	22.03	1.41	1.669	3.98
1.500	25.79	1.47	1.824	4.25
1.583	26.77	1.54	1.994	4.53
1.667	26.05	1.61	2.165	4.82
1.750	28.92	1.67	2.343	5.11
1.833	32.78	1.73	2.544	5.41
1.917	32.34	1.79	2.756	5.72
2.000	31.32	1.86	2.963	6.03
2.083	31.80	1.91	3.167	6.30
2.167	34.98	1.96	3.384	6.59
2.250	44.10	2.03	3.642	6.94
2.333	48.05	2.09	3.945	7.31
2.417	47.96	2.15	4.262	7.70
2.500	68.33	2.22	4.647	8.15
2.583	79.00	2.31	5.139	8.69
2.667	82.65	2.40	5.679	9.26
2.750	61.54	2.47	6.159	9.74
2.833	32.47	2.52	6.465	10.04
2.917	22.61	2.54	6.638	10.20
3.000	16.85	2.55	6.756	10.31
3.083	7.66	2.56	6.823	10.37
3.167	2.37	2.56	6.840	10.38
3.250	0.72	2.56	6.833	10.38
3.333	0.24	2.56	6.818	10.36
3.417	0.07	2.56	6.802	10.35
3.500	0.01	2.55	6.785	10.33
3.583	0.00	2.55	6.767	10.32
3.667	0.00	2.55	6.750	10.30
3.750	0.00	2.55	6.732	10.29
3.833	0.00	2.54	6.714	10.27
3.917	0.00	2.54	6.697	10.25
4.000	0.00	2.54	6.679	10.24
4.083	0.00	2.54	6.662	10.22
4.167	0.00	2.54	6.644	10.20
4.250	0.00	2.53	6.627	10.19
4.333	0.00	2.53	6.610	10.17
4.417	0.00	2.53	6.592	10.16
4.500	0.00	2.53	6.575	10.14
4.583	0.00	2.53	6.557	10.12
4.667	0.00	2.52	6.540	10.11
4.750	0.00	2.52	6.523	10.09
4.833	0.00	2.52	6.505	10.08
4.917	0.00	2.52	6.488	10.06
5.000	0.00	2.52	6.470	10.04
5.083	0.00	2.51	6.453	10.03
5.167	0.00	2.51	6.436	10.01
5.250	0.00	2.51	6.419	10.00
5.333	0.00	2.51	6.401	9.98
5.417	0.00	2.50	6.384	9.96
5.500	0.00	2.50	6.367	9.95
5.583	0.00	2.50	6.350	9.93
5.667	0.00	2.50	6.332	9.91
5.750	0.00	2.49	6.315	9.89
5.833	0.00	2.49	6.298	9.88
5.917	0.00	2.49	6.281	9.86
6.000	0.00	2.49	6.264	9.84
6.083	0.00	2.48	6.247	9.83
6.167	0.00	2.48	6.230	9.81
6.250	0.00	2.48	6.212	9.79
6.333	0.00	2.48	6.195	9.77
6.417	0.00	2.47	6.178	9.76

6.500	0.00	2.47	6.161	O					9.74	11.667	0.00	2.31	5.140	O					8.69
6.583	0.00	2.47	6.144	O					9.72	11.750	0.00	2.31	5.124	O					8.68
6.667	0.00	2.47	6.127	O					9.71	11.833	0.00	2.31	5.108	O					8.66
6.750	0.00	2.46	6.110	O					9.69	11.917	0.00	2.30	5.092	O					8.64
6.833	0.00	2.46	6.093	O					9.67	12.000	0.00	2.30	5.076	O					8.62
6.917	0.00	2.46	6.076	O					9.66	12.083	0.00	2.30	5.060	O					8.61
7.000	0.00	2.46	6.060	O					9.64	12.167	0.00	2.29	5.044	O					8.59
7.083	0.00	2.45	6.043	O					9.62	12.250	0.00	2.29	5.029	O					8.57
7.167	0.00	2.45	6.026	O					9.61	12.333	0.00	2.29	5.013	O					8.55
7.250	0.00	2.45	6.009	O					9.59	12.417	0.00	2.29	4.997	O					8.54
7.333	0.00	2.45	5.992	O					9.57	12.500	0.00	2.28	4.981	O					8.52
7.417	0.00	2.44	5.975	O					9.56	12.583	0.00	2.28	4.966	O					8.50
7.500	0.00	2.44	5.958	O					9.54	12.667	0.00	2.28	4.950	O					8.48
7.583	0.00	2.44	5.942	O					9.52	12.750	0.00	2.27	4.934	O					8.47
7.667	0.00	2.44	5.925	O					9.51	12.833	0.00	2.27	4.919	O					8.45
7.750	0.00	2.43	5.908	O					9.49	12.917	0.00	2.27	4.903	O					8.43
7.833	0.00	2.43	5.891	O					9.47	13.000	0.00	2.27	4.887	O					8.41
7.917	0.00	2.43	5.874	O					9.46	13.083	0.00	2.26	4.872	O					8.40
8.000	0.00	2.43	5.858	O					9.44	13.167	0.00	2.26	4.856	O					8.38
8.083	0.00	2.42	5.841	O					9.42	13.250	0.00	2.26	4.841	O					8.36
8.167	0.00	2.42	5.824	O					9.41	13.333	0.00	2.26	4.825	O					8.35
8.250	0.00	2.42	5.808	O					9.39	13.417	0.00	2.25	4.810	O					8.33
8.333	0.00	2.42	5.791	O					9.37	13.500	0.00	2.25	4.794	O					8.31
8.417	0.00	2.41	5.774	O					9.36	13.583	0.00	2.25	4.779	O					8.29
8.500	0.00	2.41	5.758	O					9.34	13.667	0.00	2.24	4.763	O					8.28
8.583	0.00	2.41	5.741	O					9.32	13.750	0.00	2.24	4.748	O					8.26
8.667	0.00	2.41	5.725	O					9.31	13.833	0.00	2.24	4.732	O					8.24
8.750	0.00	2.40	5.708	O					9.29	13.917	0.00	2.24	4.717	O					8.23
8.833	0.00	2.40	5.692	O					9.27	14.000	0.00	2.23	4.701	O					8.21
8.917	0.00	2.40	5.675	O					9.26	14.083	0.00	2.23	4.686	O					8.19
9.000	0.00	2.40	5.659	O					9.24	14.167	0.00	2.23	4.671	O					8.17
9.083	0.00	2.39	5.642	O					9.22	14.250	0.00	2.23	4.655	O					8.16
9.167	0.00	2.39	5.626	O					9.21	14.333	0.00	2.22	4.640	O					8.14
9.250	0.00	2.39	5.609	O					9.19	14.417	0.00	2.22	4.625	O					8.12
9.333	0.00	2.39	5.593	O					9.17	14.500	0.00	2.22	4.609	O					8.11
9.417	0.00	2.38	5.576	O					9.16	14.583	0.00	2.21	4.594	O					8.09
9.500	0.00	2.38	5.560	O					9.14	14.667	0.00	2.21	4.579	O					8.07
9.583	0.00	2.38	5.543	O					9.13	14.750	0.00	2.21	4.564	O					8.06
9.667	0.00	2.38	5.527	O					9.11	14.833	0.00	2.21	4.549	O					8.04
9.750	0.00	2.37	5.511	O					9.09	14.917	0.00	2.20	4.533	O					8.02
9.833	0.00	2.37	5.494	O					9.08	15.000	0.00	2.20	4.518	O					8.01
9.917	0.00	2.37	5.478	O					9.06	15.083	0.00	2.20	4.503	O					7.99
10.000	0.00	2.37	5.462	O					9.04	15.167	0.00	2.20	4.488	O					7.97
10.083	0.00	2.36	5.445	O					9.03	15.250	0.00	2.19	4.473	O					7.95
10.167	0.00	2.36	5.429	O					9.01	15.333	0.00	2.19	4.458	O					7.93
10.250	0.00	2.36	5.413	O					9.00	15.417	0.00	2.19	4.443	O					7.91
10.333	0.00	2.36	5.397	O					8.98	15.500	0.00	2.18	4.428	O					7.90
10.417	0.00	2.35	5.380	O					8.96	15.583	0.00	2.18	4.413	O					7.88
10.500	0.00	2.35	5.364	O					8.94	15.667	0.00	2.18	4.398	O					7.86
10.583	0.00	2.35	5.348	O					8.92	15.750	0.00	2.17	4.383	O					7.84
10.667	0.00	2.34	5.332	O					8.91	15.833	0.00	2.17	4.368	O					7.82
10.750	0.00	2.34	5.316	O					8.89	15.917	0.00	2.17	4.353	O					7.81
10.833	0.00	2.34	5.300	O					8.87	16.000	0.00	2.17	4.338	O					7.79
10.917	0.00	2.34	5.284	O					8.85	16.083	0.00	2.16	4.323	O					7.77
11.000	0.00	2.33	5.267	O					8.83	16.167	0.00	2.16	4.308	O					7.75
11.083	0.00	2.33	5.251	O					8.82	16.250	0.00	2.16	4.293	O					7.73
11.167	0.00	2.33	5.235	O					8.80	16.333	0.00	2.15	4.278	O					7.72
11.250	0.00	2.33	5.219	O					8.78	16.417	0.00	2.15	4.263	O					7.70
11.333	0.00	2.32	5.203	O					8.76	16.500	0.00	2.15	4.249	O					7.68
11.417	0.00	2.32	5.187	O					8.75	16.583	0.00	2.15	4.234	O					7.66
11.500	0.00	2.32	5.171	O					8.73	16.667	0.00	2.14	4.219	O					7.64
11.583	0.00	2.31	5.155	O					8.71	16.750	0.00	2.14	4.204	O					7.63

16.833	0.00	2.14	4.190	O	|	|	|	|	7.61	22.000	0.00	1.95	3.316	O	|	|	|	|	6.50
16.917	0.00	2.13	4.175	O	|	|	|	|	7.59	22.083	0.00	1.94	3.302	O	|	|	|	|	6.48
17.000	0.00	2.13	4.160	O	|	|	|	|	7.57	22.167	0.00	1.94	3.289	O	|	|	|	|	6.47
17.083	0.00	2.13	4.145	O	|	|	|	|	7.55	22.250	0.00	1.93	3.276	O	|	|	|	|	6.45
17.167	0.00	2.13	4.131	O	|	|	|	|	7.54	22.333	0.00	1.93	3.262	O	|	|	|	|	6.43
17.250	0.00	2.12	4.116	O	|	|	|	|	7.52	22.417	0.00	1.93	3.249	O	|	|	|	|	6.41
17.333	0.00	2.12	4.102	O	|	|	|	|	7.50	22.500	0.00	1.92	3.236	O	|	|	|	|	6.39
17.417	0.00	2.12	4.087	O	|	|	|	|	7.48	22.583	0.00	1.92	3.223	O	|	|	|	|	6.38
17.500	0.00	2.11	4.072	O	|	|	|	|	7.47	22.667	0.00	1.92	3.209	O	|	|	|	|	6.36
17.583	0.00	2.11	4.058	O	|	|	|	|	7.45	22.750	0.00	1.91	3.196	O	|	|	|	|	6.34
17.667	0.00	2.11	4.043	O	|	|	|	|	7.43	22.833	0.00	1.91	3.183	O	|	|	|	|	6.32
17.750	0.00	2.11	4.029	O	|	|	|	|	7.41	22.917	0.00	1.91	3.170	O	|	|	|	|	6.31
17.833	0.00	2.10	4.014	O	|	|	|	|	7.40	23.000	0.00	1.90	3.157	O	|	|	|	|	6.29
17.917	0.00	2.10	4.000	O	|	|	|	|	7.38	23.083	0.00	1.90	3.144	O	|	|	|	|	6.27
18.000	0.00	2.10	3.985	O	|	|	|	|	7.36	23.167	0.00	1.90	3.131	O	|	|	|	|	6.25
18.083	0.00	2.09	3.971	O	|	|	|	|	7.34	23.250	0.00	1.89	3.117	O	|	|	|	|	6.24
18.167	0.00	2.09	3.957	O	|	|	|	|	7.33	23.333	0.00	1.89	3.104	O	|	|	|	|	6.22
18.250	0.00	2.09	3.942	O	|	|	|	|	7.31	23.417	0.00	1.89	3.091	O	|	|	|	|	6.20
18.333	0.00	2.09	3.928	O	|	|	|	|	7.29	23.500	0.00	1.88	3.078	O	|	|	|	|	6.18
18.417	0.00	2.08	3.913	O	|	|	|	|	7.27	23.583	0.00	1.88	3.065	O	|	|	|	|	6.17
18.500	0.00	2.08	3.899	O	|	|	|	|	7.26	23.667	0.00	1.88	3.053	O	|	|	|	|	6.15
18.583	0.00	2.08	3.885	O	|	|	|	|	7.24	23.750	0.00	1.87	3.040	O	|	|	|	|	6.13
18.667	0.00	2.08	3.870	O	|	|	|	|	7.22	23.833	0.00	1.87	3.027	O	|	|	|	|	6.11
18.750	0.00	2.07	3.856	O	|	|	|	|	7.20	23.917	0.00	1.87	3.014	O	|	|	|	|	6.10
18.833	0.00	2.07	3.842	O	|	|	|	|	7.19	24.000	0.00	1.87	3.001	O	|	|	|	|	6.08
18.917	0.00	2.07	3.828	O	|	|	|	|	7.17	24.083	0.00	1.86	2.988	O	|	|	|	|	6.06
19.000	0.00	2.06	3.813	O	|	|	|	|	7.15	24.167	0.00	1.86	2.975	O	|	|	|	|	6.04
19.083	0.00	2.06	3.799	O	|	|	|	|	7.13	24.250	0.00	1.86	2.963	O	|	|	|	|	6.03
19.167	0.00	2.06	3.785	O	|	|	|	|	7.12	24.333	0.00	1.85	2.950	O	|	|	|	|	6.01
19.250	0.00	2.06	3.771	O	|	|	|	|	7.10	24.417	0.00	1.85	2.937	O	|	|	|	|	5.99
19.333	0.00	2.05	3.757	O	|	|	|	|	7.08	24.500	0.00	1.84	2.924	O	|	|	|	|	5.97
19.417	0.00	2.05	3.743	O	|	|	|	|	7.07	24.583	0.00	1.84	2.912	O	|	|	|	|	5.95
19.500	0.00	2.05	3.728	O	|	|	|	|	7.05	24.667	0.00	1.84	2.899	O	|	|	|	|	5.94
19.583	0.00	2.05	3.714	O	|	|	|	|	7.03	24.750	0.00	1.83	2.886	O	|	|	|	|	5.92
19.667	0.00	2.04	3.700	O	|	|	|	|	7.01	24.833	0.00	1.83	2.874	O	|	|	|	|	5.90
19.750	0.00	2.04	3.686	O	|	|	|	|	7.00	24.917	0.00	1.83	2.861	O	|	|	|	|	5.88
19.833	0.00	2.04	3.672	O	|	|	|	|	6.98	25.000	0.00	1.82	2.849	O	|	|	|	|	5.86
19.917	0.00	2.03	3.658	O	|	|	|	|	6.96	25.083	0.00	1.82	2.836	O	|	|	|	|	5.84
20.000	0.00	2.03	3.644	O	|	|	|	|	6.94	25.167	0.00	1.81	2.824	O	|	|	|	|	5.82
20.083	0.00	2.03	3.630	O	|	|	|	|	6.92	25.250	0.00	1.81	2.811	O	|	|	|	|	5.80
20.167	0.00	2.02	3.616	O	|	|	|	|	6.90	25.333	0.00	1.81	2.799	O	|	|	|	|	5.79
20.250	0.00	2.02	3.602	O	|	|	|	|	6.89	25.417	0.00	1.80	2.786	O	|	|	|	|	5.77
20.333	0.00	2.01	3.589	O	|	|	|	|	6.87	25.500	0.00	1.80	2.774	O	|	|	|	|	5.75
20.417	0.00	2.01	3.575	O	|	|	|	|	6.85	25.583	0.00	1.80	2.761	O	|	|	|	|	5.73
20.500	0.00	2.01	3.561	O	|	|	|	|	6.83	25.667	0.00	1.79	2.749	O	|	|	|	|	5.71
20.583	0.00	2.00	3.547	O	|	|	|	|	6.81	25.750	0.00	1.79	2.737	O	|	|	|	|	5.69
20.667	0.00	2.00	3.533	O	|	|	|	|	6.79	25.833	0.00	1.79	2.724	O	|	|	|	|	5.68
20.750	0.00	2.00	3.519	O	|	|	|	|	6.77	25.917	0.00	1.78	2.712	O	|	|	|	|	5.66
20.833	0.00	1.99	3.506	O	|	|	|	|	6.76	26.000	0.00	1.78	2.700	O	|	|	|	|	5.64
20.917	0.00	1.99	3.492	O	|	|	|	|	6.74	26.083	0.00	1.77	2.688	O	|	|	|	|	5.62
21.000	0.00	1.99	3.478	O	|	|	|	|	6.72	26.167	0.00	1.77	2.675	O	|	|	|	|	5.60
21.083	0.00	1.98	3.465	O	|	|	|	|	6.70	26.250	0.00	1.77	2.663	O	|	|	|	|	5.58
21.167	0.00	1.98	3.451	O	|	|	|	|	6.68	26.333	0.00	1.76	2.651	O	|	|	|	|	5.57
21.250	0.00	1.98	3.437	O	|	|	|	|	6.66	26.417	0.00	1.76	2.639	O	|	|	|	|	5.55
21.333	0.00	1.97	3.424	O	|	|	|	|	6.65	26.500	0.00	1.76	2.627	O	|	|	|	|	5.53
21.417	0.00	1.97	3.410	O	|	|	|	|	6.63	26.583	0.00	1.75	2.615	O	|	|	|	|	5.51
21.500	0.00	1.97	3.397	O	|	|	|	|	6.61	26.667	0.00	1.75	2.603	O	|	|	|	|	5.49
21.583	0.00	1.96	3.383	O	|	|	|	|	6.59	26.750	0.00	1.75	2.591	O	|	|	|	|	5.48
21.667	0.00	1.96	3.370	O	|	|	|	|	6.57	26.833	0.00	1.74	2.579	O	|	|	|	|	5.46
21.750	0.00	1.96	3.356	O	|	|	|	|	6.56	26.917	0.00	1.74	2.567	O	|	|	|	|	5.44
21.833	0.00	1.95	3.343	O	|	|	|	|	6.54	27.000	0.00	1.73	2.555	O	|	|	|	|	5.42
21.917	0.00	1.95	3.329	O	|	|	|	|	6.52	27.083	0.00	1.73	2.543	O	|	|	|	|	5.40

27.167	0.00	1.73	2.531	O					5.39	32.333	0.00	1.48	1.844	O					4.28
27.250	0.00	1.72	2.519	O					5.37	32.417	0.00	1.47	1.834	O					4.26
27.333	0.00	1.72	2.507	O					5.35	32.500	0.00	1.47	1.824	O					4.25
27.417	0.00	1.72	2.495	O					5.33	32.583	0.00	1.47	1.814	O					4.23
27.500	0.00	1.71	2.483	O					5.32	32.667	0.00	1.46	1.804	O					4.21
27.583	0.00	1.71	2.472	O					5.30	32.750	0.00	1.46	1.794	O					4.20
27.667	0.00	1.71	2.460	O					5.28	32.833	0.00	1.45	1.784	O					4.18
27.750	0.00	1.70	2.448	O					5.26	32.917	0.00	1.45	1.774	O					4.16
27.833	0.00	1.70	2.436	O					5.25	33.000	0.00	1.45	1.764	O					4.15
27.917	0.00	1.70	2.425	O					5.23	33.083	0.00	1.44	1.754	O					4.13
28.000	0.00	1.69	2.413	O					5.21	33.167	0.00	1.44	1.744	O					4.11
28.083	0.00	1.69	2.401	O					5.19	33.250	0.00	1.43	1.734	O					4.10
28.167	0.00	1.69	2.390	O					5.18	33.333	0.00	1.43	1.724	O					4.08
28.250	0.00	1.68	2.378	O					5.16	33.417	0.00	1.43	1.715	O					4.06
28.333	0.00	1.68	2.367	O					5.14	33.500	0.00	1.42	1.705	O					4.05
28.417	0.00	1.67	2.355	O					5.12	33.583	0.00	1.42	1.695	O					4.03
28.500	0.00	1.67	2.344	O					5.11	33.667	0.00	1.41	1.685	O					4.01
28.583	0.00	1.67	2.332	O					5.09	33.750	0.00	1.41	1.675	O					4.00
28.667	0.00	1.66	2.321	O					5.07	33.833	0.00	1.40	1.666	O					3.98
28.750	0.00	1.66	2.309	O					5.06	33.917	0.00	1.40	1.656	O					3.96
28.833	0.00	1.66	2.298	O					5.04	34.000	0.00	1.39	1.647	O					3.94
28.917	0.00	1.65	2.286	O					5.02	34.083	0.00	1.39	1.637	O					3.92
29.000	0.00	1.65	2.275	O					5.00	34.167	0.00	1.38	1.627	O					3.91
29.083	0.00	1.65	2.264	O					4.99	34.250	0.00	1.38	1.618	O					3.89
29.167	0.00	1.64	2.252	O					4.97	34.333	0.00	1.37	1.608	O					3.87
29.250	0.00	1.64	2.241	O					4.95	34.417	0.00	1.37	1.599	O					3.85
29.333	0.00	1.63	2.230	O					4.93	34.500	0.00	1.36	1.590	O					3.83
29.417	0.00	1.63	2.219	O					4.91	34.583	0.00	1.36	1.580	O					3.81
29.500	0.00	1.62	2.207	O					4.89	34.667	0.00	1.35	1.571	O					3.80
29.583	0.00	1.62	2.196	O					4.87	34.750	0.00	1.35	1.562	O					3.78
29.667	0.00	1.61	2.185	O					4.85	34.833	0.00	1.34	1.552	O					3.76
29.750	0.00	1.61	2.174	O					4.84	34.917	0.00	1.34	1.543	O					3.74
29.833	0.00	1.61	2.163	O					4.82	35.000	0.00	1.33	1.534	O					3.73
29.917	0.00	1.60	2.152	O					4.80	35.083	0.00	1.33	1.525	O					3.71
30.000	0.00	1.60	2.141	O					4.78	35.167	0.00	1.32	1.516	O					3.69
30.083	0.00	1.59	2.130	O					4.76	35.250	0.00	1.32	1.507	O					3.67
30.167	0.00	1.59	2.119	O					4.74	35.333	0.00	1.31	1.498	O					3.66
30.250	0.00	1.58	2.108	O					4.72	35.417	0.00	1.31	1.489	O					3.64
30.333	0.00	1.58	2.097	O					4.71	35.500	0.00	1.30	1.480	O					3.62
30.417	0.00	1.58	2.086	O					4.69	35.583	0.00	1.30	1.471	O					3.60
30.500	0.00	1.57	2.075	O					4.67	35.667	0.00	1.29	1.462	O					3.59
30.583	0.00	1.57	2.065	O					4.65	35.750	0.00	1.29	1.453	O					3.57
30.667	0.00	1.56	2.054	O					4.63	35.833	0.00	1.28	1.444	O					3.55
30.750	0.00	1.56	2.043	O					4.62	35.917	0.00	1.28	1.435	O					3.54
30.833	0.00	1.55	2.032	O					4.60	36.000	0.00	1.27	1.427	O					3.52
30.917	0.00	1.55	2.022	O					4.58	36.083	0.00	1.27	1.418	O					3.50
31.000	0.00	1.54	2.011	O					4.56	36.167	0.00	1.26	1.409	O					3.49
31.083	0.00	1.54	2.000	O					4.54	36.250	0.00	1.26	1.400	O					3.47
31.167	0.00	1.54	1.990	O					4.53	36.333	0.00	1.25	1.392	O					3.45
31.250	0.00	1.53	1.979	O					4.51	36.417	0.00	1.25	1.383	O					3.44
31.333	0.00	1.53	1.969	O					4.49	36.500	0.00	1.24	1.375	O					3.42
31.417	0.00	1.52	1.958	O					4.47	36.583	0.00	1.24	1.366	O					3.40
31.500	0.00	1.52	1.948	O					4.45	36.667	0.00	1.23	1.358	O					3.39
31.583	0.00	1.51	1.937	O					4.44	36.750	0.00	1.23	1.349	O					3.37
31.667	0.00	1.51	1.927	O					4.42	36.833	0.00	1.22	1.341	O					3.36
31.750	0.00	1.51	1.916	O					4.40	36.917	0.00	1.22	1.332	O					3.34
31.833	0.00	1.50	1.906	O					4.38	37.000	0.00	1.21	1.324	O					3.32
31.917	0.00	1.50	1.896	O					4.37	37.083	0.00	1.21	1.316	O					3.31
32.000	0.00	1.49	1.885	O					4.35	37.167	0.00	1.20	1.307	O					3.29
32.083	0.00	1.49	1.875	O					4.33	37.250	0.00	1.20	1.299	O					3.28
32.167	0.00	1.49	1.865	O					4.32	37.333	0.00	1.20	1.291	O					3.26
32.250	0.00	1.48	1.855	O					4.30	37.417	0.00	1.19	1.282	O					3.24

37.500	0.00	1.19	1.274	O	|	|	|	|	3.23	42.667	0.00	0.76	0.854	O	|	|	|	|	2.34
37.583	0.00	1.18	1.266	O	|	|	|	|	3.21	42.750	0.00	0.75	0.849	O	|	|	|	|	2.32
37.667	0.00	1.18	1.258	O	|	|	|	|	3.20	42.833	0.00	0.75	0.844	O	|	|	|	|	2.31
37.750	0.00	1.17	1.250	O	|	|	|	|	3.18	42.917	0.00	0.74	0.839	O	|	|	|	|	2.30
37.833	0.00	1.17	1.242	O	|	|	|	|	3.17	43.000	0.00	0.74	0.834	O	|	|	|	|	2.29
37.917	0.00	1.16	1.234	O	|	|	|	|	3.15	43.083	0.00	0.73	0.829	O	|	|	|	|	2.28
38.000	0.00	1.16	1.226	O	|	|	|	|	3.14	43.167	0.00	0.72	0.824	O	|	|	|	|	2.27
38.083	0.00	1.15	1.218	O	|	|	|	|	3.12	43.250	0.00	0.72	0.819	O	|	|	|	|	2.26
38.167	0.00	1.15	1.210	O	|	|	|	|	3.11	43.333	0.00	0.71	0.814	O	|	|	|	|	2.25
38.250	0.00	1.15	1.202	O	|	|	|	|	3.09	43.417	0.00	0.71	0.809	O	|	|	|	|	2.23
38.333	0.00	1.14	1.194	O	|	|	|	|	3.07	43.500	0.00	0.70	0.804	O	|	|	|	|	2.22
38.417	0.00	1.14	1.186	O	|	|	|	|	3.06	43.583	0.00	0.70	0.799	O	|	|	|	|	2.21
38.500	0.00	1.13	1.178	O	|	|	|	|	3.04	43.667	0.00	0.69	0.795	O	|	|	|	|	2.20
38.583	0.00	1.13	1.171	O	|	|	|	|	3.03	43.750	0.00	0.68	0.790	O	|	|	|	|	2.19
38.667	0.00	1.12	1.163	O	|	|	|	|	3.02	43.833	0.00	0.68	0.785	O	|	|	|	|	2.18
38.750	0.00	1.12	1.155	O	|	|	|	|	3.00	43.917	0.00	0.67	0.781	O	|	|	|	|	2.17
38.833	0.00	1.11	1.148	O	|	|	|	|	2.98	44.000	0.00	0.67	0.776	O	|	|	|	|	2.16
38.917	0.00	1.10	1.140	O	|	|	|	|	2.97	44.083	0.00	0.66	0.771	O	|	|	|	|	2.15
39.000	0.00	1.09	1.132	O	|	|	|	|	2.95	44.167	0.00	0.66	0.767	O	|	|	|	|	2.14
39.083	0.00	1.08	1.125	O	|	|	|	|	2.93	44.250	0.00	0.65	0.762	O	|	|	|	|	2.13
39.167	0.00	1.08	1.117	O	|	|	|	|	2.92	44.333	0.00	0.65	0.758	O	|	|	|	|	2.12
39.250	0.00	1.07	1.110	O	|	|	|	|	2.90	44.417	0.00	0.64	0.753	O	|	|	|	|	2.11
39.333	0.00	1.06	1.103	O	|	|	|	|	2.88	44.500	0.00	0.63	0.749	O	|	|	|	|	2.10
39.417	0.00	1.05	1.095	O	|	|	|	|	2.87	44.583	0.00	0.63	0.745	O	|	|	|	|	2.09
39.500	0.00	1.04	1.088	O	|	|	|	|	2.85	44.667	0.00	0.62	0.740	O	|	|	|	|	2.08
39.583	0.00	1.03	1.081	O	|	|	|	|	2.84	44.750	0.00	0.62	0.736	O	|	|	|	|	2.07
39.667	0.00	1.02	1.074	O	|	|	|	|	2.82	44.833	0.00	0.61	0.732	O	|	|	|	|	2.06
39.750	0.00	1.01	1.067	O	|	|	|	|	2.81	44.917	0.00	0.61	0.728	O	|	|	|	|	2.05
39.833	0.00	1.01	1.060	O	|	|	|	|	2.79	45.000	0.00	0.60	0.723	O	|	|	|	|	2.05
39.917	0.00	1.00	1.053	O	|	|	|	|	2.77	45.083	0.00	0.60	0.719	O	|	|	|	|	2.04
40.000	0.00	0.99	1.046	O	|	|	|	|	2.76	45.167	0.00	0.59	0.715	O	|	|	|	|	2.03
40.083	0.00	0.98	1.040	O	|	|	|	|	2.74	45.250	0.00	0.59	0.711	O	|	|	|	|	2.02
40.167	0.00	0.97	1.033	O	|	|	|	|	2.73	45.333	0.00	0.58	0.707	O	|	|	|	|	2.01
40.250	0.00	0.97	1.026	O	|	|	|	|	2.71	45.417	0.00	0.58	0.703	O	|	|	|	|	2.00
40.333	0.00	0.96	1.019	O	|	|	|	|	2.70	45.500	0.00	0.58	0.699	O	|	|	|	|	1.99
40.417	0.00	0.95	1.013	O	|	|	|	|	2.69	45.583	0.00	0.58	0.695	O	|	|	|	|	1.98
40.500	0.00	0.94	1.006	O	|	|	|	|	2.67	45.667	0.00	0.57	0.691	O	|	|	|	|	1.97
40.583	0.00	0.93	1.000	O	|	|	|	|	2.66	45.750	0.00	0.57	0.687	O	|	|	|	|	1.96
40.667	0.00	0.93	0.994	O	|	|	|	|	2.64	45.833	0.00	0.57	0.683	O	|	|	|	|	1.95
40.750	0.00	0.92	0.987	O	|	|	|	|	2.63	45.917	0.00	0.57	0.679	O	|	|	|	|	1.94
40.833	0.00	0.91	0.981	O	|	|	|	|	2.61	46.000	0.00	0.57	0.675	O	|	|	|	|	1.93
40.917	0.00	0.90	0.975	O	|	|	|	|	2.60	46.083	0.00	0.57	0.671	O	|	|	|	|	1.92
41.000	0.00	0.90	0.968	O	|	|	|	|	2.59	46.167	0.00	0.56	0.668	O	|	|	|	|	1.91
41.083	0.00	0.89	0.962	O	|	|	|	|	2.57	46.250	0.00	0.56	0.664	O	|	|	|	|	1.90
41.167	0.00	0.88	0.956	O	|	|	|	|	2.56	46.333	0.00	0.56	0.660	O	|	|	|	|	1.89
41.250	0.00	0.88	0.950	O	|	|	|	|	2.55	46.417	0.00	0.56	0.656	O	|	|	|	|	1.88
41.333	0.00	0.87	0.944	O	|	|	|	|	2.53	46.500	0.00	0.56	0.652	O	|	|	|	|	1.87
41.417	0.00	0.86	0.938	O	|	|	|	|	2.52	46.583	0.00	0.55	0.648	O	|	|	|	|	1.86
41.500	0.00	0.85	0.932	O	|	|	|	|	2.51	46.667	0.00	0.55	0.645	O	|	|	|	|	1.85
41.583	0.00	0.85	0.926	O	|	|	|	|	2.49	46.750	0.00	0.55	0.641	O	|	|	|	|	1.84
41.667	0.00	0.84	0.921	O	|	|	|	|	2.48	46.833	0.00	0.55	0.637	O	|	|	|	|	1.83
41.750	0.00	0.83	0.915	O	|	|	|	|	2.47	46.917	0.00	0.55	0.633	O	|	|	|	|	1.82
41.833	0.00	0.83	0.909	O	|	|	|	|	2.46	47.000	0.00	0.55	0.629	O	|	|	|	|	1.81
41.917	0.00	0.82	0.903	O	|	|	|	|	2.44	47.083	0.00	0.54	0.626	O	|	|	|	|	1.80
42.000	0.00	0.81	0.898	O	|	|	|	|	2.43	47.167	0.00	0.54	0.622	O	|	|	|	|	1.79
42.083	0.00	0.81	0.892	O	|	|	|	|	2.42	47.250	0.00	0.54	0.618	O	|	|	|	|	1.78
42.167	0.00	0.80	0.887	O	|	|	|	|	2.41	47.333	0.00	0.54	0.614	O	|	|	|	|	1.77
42.250	0.00	0.79	0.881	O	|	|	|	|	2.39	47.417	0.00	0.54	0.611	O	|	|	|	|	1.76
42.333	0.00	0.79	0.876	O	|	|	|	|	2.38	47.500	0.00	0.54	0.607	O	|	|	|	|	1.75
42.417	0.00	0.78	0.870	O	|	|	|	|	2.37	47.583	0.00	0.53	0.603	O	|	|	|	|	1.74
42.500	0.00	0.77	0.865	O	|	|	|	|	2.36	47.667	0.00	0.53	0.600	O	|	|	|	|	1.73
42.583	0.00	0.77	0.860	O	|	|	|	|	2.35	47.750	0.00	0.53	0.596	O	|	|	|	|	1.72

47.833	0.00	0.53	0.592	O					1.71	53.000	0.00	0.43	0.388	O					1.18
47.917	0.00	0.53	0.589	O					1.70	53.083	0.00	0.43	0.385	O					1.17
48.000	0.00	0.52	0.585	O					1.69	53.167	0.00	0.43	0.382	O					1.16
48.083	0.00	0.52	0.582	O					1.68	53.250	0.00	0.43	0.379	O					1.16
48.167	0.00	0.52	0.578	O					1.67	53.333	0.00	0.43	0.376	O					1.15
48.250	0.00	0.52	0.574	O					1.67	53.417	0.00	0.43	0.373	O					1.14
48.333	0.00	0.52	0.571	O					1.66	53.500	0.00	0.42	0.370	O					1.13
48.417	0.00	0.52	0.567	O					1.65	53.583	0.00	0.42	0.367	O					1.13
48.500	0.00	0.51	0.564	O					1.64	53.667	0.00	0.42	0.365	O					1.12
48.583	0.00	0.51	0.560	O					1.63	53.750	0.00	0.42	0.362	O					1.11
48.667	0.00	0.51	0.557	O					1.62	53.833	0.00	0.42	0.359	O					1.10
48.750	0.00	0.51	0.553	O					1.61	53.917	0.00	0.42	0.356	O					1.10
48.833	0.00	0.51	0.550	O					1.60	54.000	0.00	0.42	0.353	O					1.09
48.917	0.00	0.51	0.546	O					1.59	54.083	0.00	0.41	0.350	O					1.08
49.000	0.00	0.50	0.543	O					1.58	54.167	0.00	0.41	0.347	O					1.07
49.083	0.00	0.50	0.539	O					1.57	54.250	0.00	0.41	0.344	O					1.07
49.167	0.00	0.50	0.536	O					1.56	54.333	0.00	0.41	0.342	O					1.06
49.250	0.00	0.50	0.532	O					1.56	54.417	0.00	0.41	0.339	O					1.05
49.333	0.00	0.50	0.529	O					1.55	54.500	0.00	0.41	0.336	O					1.04
49.417	0.00	0.50	0.525	O					1.54	54.583	0.00	0.41	0.333	O					1.04
49.500	0.00	0.50	0.522	O					1.53	54.667	0.00	0.41	0.330	O					1.03
49.583	0.00	0.49	0.519	O					1.52	54.750	0.00	0.40	0.328	O					1.02
49.667	0.00	0.49	0.515	O					1.51	54.833	0.00	0.40	0.325	O					1.02
49.750	0.00	0.49	0.512	O					1.50	54.917	0.00	0.40	0.322	O					1.01
49.833	0.00	0.49	0.508	O					1.49	55.000	0.00	0.40	0.319	O					1.00
49.917	0.00	0.49	0.505	O					1.48	55.083	0.00	0.40	0.317	O					0.99
50.000	0.00	0.49	0.502	O					1.48	55.167	0.00	0.39	0.314	O					0.98
50.083	0.00	0.48	0.498	O					1.47	55.250	0.00	0.39	0.311	O					0.98
50.167	0.00	0.48	0.495	O					1.46	55.333	0.00	0.39	0.308	O					0.97
50.250	0.00	0.48	0.492	O					1.45	55.417	0.00	0.38	0.306	O					0.96
50.333	0.00	0.48	0.488	O					1.44	55.500	0.00	0.38	0.303	O					0.95
50.417	0.00	0.48	0.485	O					1.43	55.583	0.00	0.38	0.301	O					0.94
50.500	0.00	0.48	0.482	O					1.42	55.667	0.00	0.37	0.298	O					0.93
50.583	0.00	0.47	0.479	O					1.42	55.750	0.00	0.37	0.295	O					0.93
50.667	0.00	0.47	0.475	O					1.41	55.833	0.00	0.37	0.293	O					0.92
50.750	0.00	0.47	0.472	O					1.40	55.917	0.00	0.36	0.290	O					0.91
50.833	0.00	0.47	0.469	O					1.39	56.000	0.00	0.36	0.288	O					0.90
50.917	0.00	0.47	0.466	O					1.38	56.083	0.00	0.36	0.285	O					0.89
51.000	0.00	0.47	0.462	O					1.37	56.167	0.00	0.35	0.283	O					0.89
51.083	0.00	0.47	0.459	O					1.36	56.250	0.00	0.35	0.280	O					0.88
51.167	0.00	0.46	0.456	O					1.36	56.333	0.00	0.35	0.278	O					0.87
51.250	0.00	0.46	0.453	O					1.35	56.417	0.00	0.35	0.276	O					0.86
51.333	0.00	0.46	0.450	O					1.34	56.500	0.00	0.34	0.273	O					0.86
51.417	0.00	0.46	0.446	O					1.33	56.583	0.00	0.34	0.271	O					0.85
51.500	0.00	0.46	0.443	O					1.32	56.667	0.00	0.34	0.269	O					0.84
51.583	0.00	0.46	0.440	O					1.32	56.750	0.00	0.33	0.266	O					0.83
51.667	0.00	0.46	0.437	O					1.31	56.833	0.00	0.33	0.264	O					0.83
51.750	0.00	0.45	0.434	O					1.30	56.917	0.00	0.33	0.262	O					0.82
51.833	0.00	0.45	0.431	O					1.29	57.000	0.00	0.33	0.260	O					0.81
51.917	0.00	0.45	0.428	O					1.28	57.083	0.00	0.32	0.257	O					0.81
52.000	0.00	0.45	0.424	O					1.27	57.167	0.00	0.32	0.255	O					0.80
52.083	0.00	0.45	0.421	O					1.27	57.250	0.00	0.32	0.253	O					0.79
52.167	0.00	0.45	0.418	O					1.26	57.333	0.00	0.31	0.251	O					0.79
52.250	0.00	0.45	0.415	O					1.25	57.417	0.00	0.31	0.249	O					0.78
52.333	0.00	0.44	0.412	O					1.24	57.500	0.00	0.31	0.246	O					0.77
52.417	0.00	0.44	0.409	O					1.23	57.583	0.00	0.31	0.244	O					0.77
52.500	0.00	0.44	0.406	O					1.23	57.667	0.00	0.30	0.242	O					0.76
52.583	0.00	0.44	0.403	O					1.22	57.750	0.00	0.30	0.240	O					0.75
52.667	0.00	0.44	0.400	O					1.21	57.833	0.00	0.30	0.238	O					0.75
52.750	0.00	0.44	0.397	O					1.20	57.917	0.00	0.30	0.236	O					0.74
52.833	0.00	0.44	0.394	O					1.20	58.000	0.00	0.29	0.234	O					0.73
52.917	0.00	0.43	0.391	O					1.19	58.083	0.00	0.29	0.232	O					0.73

58.167	0.00	0.29	0.230	O	|	|	|	|	0.72	63.333	0.00	0.17	0.135	O	|	|	|	|	0.42
58.250	0.00	0.29	0.228	O	|	|	|	|	0.71	63.417	0.00	0.17	0.133	O	|	|	|	|	0.42
58.333	0.00	0.28	0.226	O	|	|	|	|	0.71	63.500	0.00	0.17	0.132	O	|	|	|	|	0.41
58.417	0.00	0.28	0.224	O	|	|	|	|	0.70	63.583	0.00	0.16	0.131	O	|	|	|	|	0.41
58.500	0.00	0.28	0.222	O	|	|	|	|	0.70	63.667	0.00	0.16	0.130	O	|	|	|	|	0.41
58.583	0.00	0.28	0.220	O	|	|	|	|	0.69	63.750	0.00	0.16	0.129	O	|	|	|	|	0.40
58.667	0.00	0.27	0.218	O	|	|	|	|	0.68	63.833	0.00	0.16	0.128	O	|	|	|	|	0.40
58.750	0.00	0.27	0.216	O	|	|	|	|	0.68	63.917	0.00	0.16	0.127	O	|	|	|	|	0.40
58.833	0.00	0.27	0.215	O	|	|	|	|	0.67	64.000	0.00	0.16	0.126	O	|	|	|	|	0.39
58.917	0.00	0.27	0.213	O	|	|	|	|	0.67	64.083	0.00	0.16	0.125	O	|	|	|	|	0.39
59.000	0.00	0.26	0.211	O	|	|	|	|	0.66	64.167	0.00	0.15	0.123	O	|	|	|	|	0.39
59.083	0.00	0.26	0.209	O	|	|	|	|	0.66	64.250	0.00	0.15	0.122	O	|	|	|	|	0.38
59.167	0.00	0.26	0.207	O	|	|	|	|	0.65	64.333	0.00	0.15	0.121	O	|	|	|	|	0.38
59.250	0.00	0.26	0.206	O	|	|	|	|	0.64	64.417	0.00	0.15	0.120	O	|	|	|	|	0.38
59.333	0.00	0.26	0.204	O	|	|	|	|	0.64	64.500	0.00	0.15	0.119	O	|	|	|	|	0.37
59.417	0.00	0.25	0.202	O	|	|	|	|	0.63	64.583	0.00	0.15	0.118	O	|	|	|	|	0.37
59.500	0.00	0.25	0.200	O	|	|	|	|	0.63	64.667	0.00	0.15	0.117	O	|	|	|	|	0.37
59.583	0.00	0.25	0.199	O	|	|	|	|	0.62	64.750	0.00	0.15	0.116	O	|	|	|	|	0.36
59.667	0.00	0.25	0.197	O	|	|	|	|	0.62	64.833	0.00	0.14	0.115	O	|	|	|	|	0.36
59.750	0.00	0.24	0.195	O	|	|	|	|	0.61	64.917	0.00	0.14	0.114	O	|	|	|	|	0.36
59.833	0.00	0.24	0.193	O	|	|	|	|	0.61	65.000	0.00	0.14	0.113	O	|	|	|	|	0.36
59.917	0.00	0.24	0.192	O	|	|	|	|	0.60	65.083	0.00	0.14	0.112	O	|	|	|	|	0.35
60.000	0.00	0.24	0.190	O	|	|	|	|	0.60	65.167	0.00	0.14	0.111	O	|	|	|	|	0.35
60.083	0.00	0.24	0.189	O	|	|	|	|	0.59	65.250	0.00	0.14	0.110	O	|	|	|	|	0.35
60.167	0.00	0.23	0.187	O	|	|	|	|	0.59	65.333	0.00	0.14	0.109	O	|	|	|	|	0.34
60.250	0.00	0.23	0.185	O	|	|	|	|	0.58	65.417	0.00	0.14	0.108	O	|	|	|	|	0.34
60.333	0.00	0.23	0.184	O	|	|	|	|	0.58	65.500	0.00	0.13	0.108	O	|	|	|	|	0.34
60.417	0.00	0.23	0.182	O	|	|	|	|	0.57	65.583	0.00	0.13	0.107	O	|	|	|	|	0.33
60.500	0.00	0.23	0.181	O	|	|	|	|	0.57	65.667	0.00	0.13	0.106	O	|	|	|	|	0.33
60.583	0.00	0.22	0.179	O	|	|	|	|	0.56	65.750	0.00	0.13	0.105	O	|	|	|	|	0.33
60.667	0.00	0.22	0.177	O	|	|	|	|	0.56	65.833	0.00	0.13	0.104	O	|	|	|	|	0.33
60.750	0.00	0.22	0.176	O	|	|	|	|	0.55	65.917	0.00	0.13	0.103	O	|	|	|	|	0.32
60.833	0.00	0.22	0.174	O	|	|	|	|	0.55	66.000	0.00	0.13	0.102	O	|	|	|	|	0.32
60.917	0.00	0.22	0.173	O	|	|	|	|	0.54	66.083	0.00	0.13	0.101	O	|	|	|	|	0.32
61.000	0.00	0.21	0.171	O	|	|	|	|	0.54	66.167	0.00	0.13	0.100	O	|	|	|	|	0.31
61.083	0.00	0.21	0.170	O	|	|	|	|	0.53	66.250	0.00	0.12	0.100	O	|	|	|	|	0.31
61.167	0.00	0.21	0.169	O	|	|	|	|	0.53	66.333	0.00	0.12	0.099	O	|	|	|	|	0.31
61.250	0.00	0.21	0.167	O	|	|	|	|	0.52	66.417	0.00	0.12	0.098	O	|	|	|	|	0.31
61.333	0.00	0.21	0.166	O	|	|	|	|	0.52	66.500	0.00	0.12	0.097	O	|	|	|	|	0.30
61.417	0.00	0.21	0.164	O	|	|	|	|	0.51	66.583	0.00	0.12	0.096	O	|	|	|	|	0.30
61.500	0.00	0.20	0.163	O	|	|	|	|	0.51	66.667	0.00	0.12	0.095	O	|	|	|	|	0.30
61.583	0.00	0.20	0.161	O	|	|	|	|	0.51	66.750	0.00	0.12	0.094	O	|	|	|	|	0.30
61.667	0.00	0.20	0.160	O	|	|	|	|	0.50	66.833	0.00	0.12	0.094	O	|	|	|	|	0.29
61.750	0.00	0.20	0.159	O	|	|	|	|	0.50	66.917	0.00	0.12	0.093	O	|	|	|	|	0.29
61.833	0.00	0.20	0.157	O	|	|	|	|	0.49	67.000	0.00	0.12	0.092	O	|	|	|	|	0.29
61.917	0.00	0.20	0.156	O	|	|	|	|	0.49	67.083	0.00	0.11	0.091	O	|	|	|	|	0.29
62.000	0.00	0.19	0.155	O	|	|	|	|	0.48	67.167	0.00	0.11	0.090	O	|	|	|	|	0.28
62.083	0.00	0.19	0.153	O	|	|	|	|	0.48	67.250	0.00	0.11	0.090	O	|	|	|	|	0.28
62.167	0.00	0.19	0.152	O	|	|	|	|	0.48	67.333	0.00	0.11	0.089	O	|	|	|	|	0.28
62.250	0.00	0.19	0.151	O	|	|	|	|	0.47	67.417	0.00	0.11	0.088	O	|	|	|	|	0.28
62.333	0.00	0.19	0.149	O	|	|	|	|	0.47	67.500	0.00	0.11	0.087	O	|	|	|	|	0.27
62.417	0.00	0.19	0.148	O	|	|	|	|	0.46	67.583	0.00	0.11	0.087	O	|	|	|	|	0.27
62.500	0.00	0.18	0.147	O	|	|	|	|	0.46	67.667	0.00	0.11	0.086	O	|	|	|	|	0.27
62.583	0.00	0.18	0.146	O	|	|	|	|	0.46	67.750	0.00	0.11	0.085	O	|	|	|	|	0.27
62.667	0.00	0.18	0.144	O	|	|	|	|	0.45	67.833	0.00	0.11	0.084	O	|	|	|	|	0.26
62.750	0.00	0.18	0.143	O	|	|	|	|	0.45	67.917	0.00	0.10	0.084	O	|	|	|	|	0.26
62.833	0.00	0.18	0.142	O	|	|	|	|	0.44	68.000	0.00	0.10	0.083	O	|	|	|	|	0.26
62.917	0.00	0.18	0.141	O	|	|	|	|	0.44	68.083	0.00	0.10	0.082	O	|	|	|	|	0.26
63.000	0.00	0.17	0.139	O	|	|	|	|	0.44	68.167	0.00	0.10	0.082	O	|	|	|	|	0.26
63.083	0.00	0.17	0.138	O	|	|	|	|	0.43	68.250	0.00	0.10	0.081	O	|	|	|	|	0.25
63.167	0.00	0.17	0.137	O	|	|	|	|	0.43	68.333	0.00	0.10	0.080	O	|	|	|	|	0.25
63.250	0.00	0.17	0.136	O	|	|	|	|	0.43	68.417	0.00	0.10	0.079	O	|	|	|	|	0.25

68.500	0.00	0.10	0.079	O	|	|	|	|	0.25	73.667	0.00	0.06	0.046	O	|	|	|	|	0.14
68.583	0.00	0.10	0.078	O	|	|	|	|	0.24	73.750	0.00	0.06	0.046	O	|	|	|	|	0.14
68.667	0.00	0.10	0.077	O	|	|	|	|	0.24	73.833	0.00	0.06	0.045	O	|	|	|	|	0.14
68.750	0.00	0.10	0.077	O	|	|	|	|	0.24	73.917	0.00	0.06	0.045	O	|	|	|	|	0.14
68.833	0.00	0.10	0.076	O	|	|	|	|	0.24	74.000	0.00	0.06	0.045	O	|	|	|	|	0.14
68.917	0.00	0.09	0.075	O	|	|	|	|	0.24	74.083	0.00	0.06	0.044	O	|	|	|	|	0.14
69.000	0.00	0.09	0.075	O	|	|	|	|	0.23	74.167	0.00	0.05	0.044	O	|	|	|	|	0.14
69.083	0.00	0.09	0.074	O	|	|	|	|	0.23	74.250	0.00	0.05	0.043	O	|	|	|	|	0.14
69.167	0.00	0.09	0.074	O	|	|	|	|	0.23	74.333	0.00	0.05	0.043	O	|	|	|	|	0.13
69.250	0.00	0.09	0.073	O	|	|	|	|	0.23	74.417	0.00	0.05	0.043	O	|	|	|	|	0.13
69.333	0.00	0.09	0.072	O	|	|	|	|	0.23	74.500	0.00	0.05	0.042	O	|	|	|	|	0.13
69.417	0.00	0.09	0.072	O	|	|	|	|	0.22	74.583	0.00	0.05	0.042	O	|	|	|	|	0.13
69.500	0.00	0.09	0.071	O	|	|	|	|	0.22	74.667	0.00	0.05	0.042	O	|	|	|	|	0.13
69.583	0.00	0.09	0.070	O	|	|	|	|	0.22	74.750	0.00	0.05	0.041	O	|	|	|	|	0.13
69.667	0.00	0.09	0.070	O	|	|	|	|	0.22	74.833	0.00	0.05	0.041	O	|	|	|	|	0.13
69.750	0.00	0.09	0.069	O	|	|	|	|	0.22	74.917	0.00	0.05	0.041	O	|	|	|	|	0.13
69.833	0.00	0.09	0.069	O	|	|	|	|	0.22	75.000	0.00	0.05	0.040	O	|	|	|	|	0.13
69.917	0.00	0.09	0.068	O	|	|	|	|	0.21	75.083	0.00	0.05	0.040	O	|	|	|	|	0.12
70.000	0.00	0.08	0.067	O	|	|	|	|	0.21	75.167	0.00	0.05	0.039	O	|	|	|	|	0.12
70.083	0.00	0.08	0.067	O	|	|	|	|	0.21	75.250	0.00	0.05	0.039	O	|	|	|	|	0.12
70.167	0.00	0.08	0.066	O	|	|	|	|	0.21	75.333	0.00	0.05	0.039	O	|	|	|	|	0.12
70.250	0.00	0.08	0.066	O	|	|	|	|	0.21	75.417	0.00	0.05	0.038	O	|	|	|	|	0.12
70.333	0.00	0.08	0.065	O	|	|	|	|	0.20	75.500	0.00	0.05	0.038	O	|	|	|	|	0.12
70.417	0.00	0.08	0.065	O	|	|	|	|	0.20	75.583	0.00	0.05	0.038	O	|	|	|	|	0.12
70.500	0.00	0.08	0.064	O	|	|	|	|	0.20	75.667	0.00	0.05	0.038	O	|	|	|	|	0.12
70.583	0.00	0.08	0.064	O	|	|	|	|	0.20	75.750	0.00	0.05	0.037	O	|	|	|	|	0.12
70.667	0.00	0.08	0.063	O	|	|	|	|	0.20	75.833	0.00	0.05	0.037	O	|	|	|	|	0.12
70.750	0.00	0.08	0.062	O	|	|	|	|	0.20	75.917	0.00	0.05	0.037	O	|	|	|	|	0.11
70.833	0.00	0.08	0.062	O	|	|	|	|	0.19	76.000	0.00	0.05	0.036	O	|	|	|	|	0.11
70.917	0.00	0.08	0.061	O	|	|	|	|	0.19	76.083	0.00	0.05	0.036	O	|	|	|	|	0.11
71.000	0.00	0.08	0.061	O	|	|	|	|	0.19	76.167	0.00	0.04	0.036	O	|	|	|	|	0.11
71.083	0.00	0.08	0.060	O	|	|	|	|	0.19	76.250	0.00	0.04	0.035	O	|	|	|	|	0.11
71.167	0.00	0.07	0.060	O	|	|	|	|	0.19	76.333	0.00	0.04	0.035	O	|	|	|	|	0.11
71.250	0.00	0.07	0.059	O	|	|	|	|	0.19	76.417	0.00	0.04	0.035	O	|	|	|	|	0.11
71.333	0.00	0.07	0.059	O	|	|	|	|	0.18	76.500	0.00	0.04	0.034	O	|	|	|	|	0.11
71.417	0.00	0.07	0.058	O	|	|	|	|	0.18	76.583	0.00	0.04	0.034	O	|	|	|	|	0.11
71.500	0.00	0.07	0.058	O	|	|	|	|	0.18	76.667	0.00	0.04	0.034	O	|	|	|	|	0.11
71.583	0.00	0.07	0.057	O	|	|	|	|	0.18	76.750	0.00	0.04	0.034	O	|	|	|	|	0.11
71.667	0.00	0.07	0.057	O	|	|	|	|	0.18	76.833	0.00	0.04	0.033	O	|	|	|	|	0.10
71.750	0.00	0.07	0.056	O	|	|	|	|	0.18	76.917	0.00	0.04	0.033	O	|	|	|	|	0.10
71.833	0.00	0.07	0.056	O	|	|	|	|	0.17	77.000	0.00	0.04	0.033	O	|	|	|	|	0.10
71.917	0.00	0.07	0.055	O	|	|	|	|	0.17	77.083	0.00	0.04	0.032	O	|	|	|	|	0.10
72.000	0.00	0.07	0.055	O	|	|	|	|	0.17	77.167	0.00	0.04	0.032	O	|	|	|	|	0.10
72.083	0.00	0.07	0.054	O	|	|	|	|	0.17	77.250	0.00	0.04	0.032	O	|	|	|	|	0.10
72.167	0.00	0.07	0.054	O	|	|	|	|	0.17	77.333	0.00	0.04	0.032	O	|	|	|	|	0.10
72.250	0.00	0.07	0.053	O	|	|	|	|	0.17	77.417	0.00	0.04	0.031	O	|	|	|	|	0.10
72.333	0.00	0.07	0.053	O	|	|	|	|	0.17	77.500	0.00	0.04	0.031	O	|	|	|	|	0.10
72.417	0.00	0.07	0.053	O	|	|	|	|	0.16	77.583	0.00	0.04	0.031	O	|	|	|	|	0.10
72.500	0.00	0.07	0.052	O	|	|	|	|	0.16	77.667	0.00	0.04	0.030	O	|	|	|	|	0.10
72.583	0.00	0.06	0.052	O	|	|	|	|	0.16	77.750	0.00	0.04	0.030	O	|	|	|	|	0.09
72.667	0.00	0.06	0.051	O	|	|	|	|	0.16	77.833	0.00	0.04	0.030	O	|	|	|	|	0.09
72.750	0.00	0.06	0.051	O	|	|	|	|	0.16	77.917	0.00	0.04	0.030	O	|	|	|	|	0.09
72.833	0.00	0.06	0.050	O	|	|	|	|	0.16	78.000	0.00	0.04	0.029	O	|	|	|	|	0.09
72.917	0.00	0.06	0.050	O	|	|	|	|	0.16	78.083	0.00	0.04	0.029	O	|	|	|	|	0.09
73.000	0.00	0.06	0.049	O	|	|	|	|	0.15	78.167	0.00	0.04	0.029	O	|	|	|	|	0.09
73.083	0.00	0.06	0.049	O	|	|	|	|	0.15	78.250	0.00	0.04	0.029	O	|	|	|	|	0.09
73.167	0.00	0.06	0.049	O	|	|	|	|	0.15	78.333	0.00	0.04	0.028	O	|	|	|	|	0.09
73.250	0.00	0.06	0.048	O	|	|	|	|	0.15	78.417	0.00	0.04	0.028	O	|	|	|	|	0.09
73.333	0.00	0.06	0.048	O	|	|	|	|	0.15	78.500	0.00	0.04	0.028	O	|	|	|	|	0.09
73.417	0.00	0.06	0.047	O	|	|	|	|	0.15	78.583	0.00	0.03	0.028	O	|	|	|	|	0.09
73.500	0.00	0.06	0.047	O	|	|	|	|	0.15	78.667	0.00	0.03	0.027	O	|	|	|	|	0.09
73.583	0.00	0.06	0.047	O	|	|	|	|	0.15	78.750	0.00	0.03	0.027	O	|	|	|	|	0.09

78.833	0.00	0.03	0.027	O	|	|	|	|	0.08	84.000	0.00	0.02	0.016	O	|	|	|	|	0.05
78.917	0.00	0.03	0.027	O	|	|	|	|	0.08	84.083	0.00	0.02	0.016	O	|	|	|	|	0.05
79.000	0.00	0.03	0.027	O	|	|	|	|	0.08	84.167	0.00	0.02	0.016	O	|	|	|	|	0.05
79.083	0.00	0.03	0.026	O	|	|	|	|	0.08	84.250	0.00	0.02	0.015	O	|	|	|	|	0.05
79.167	0.00	0.03	0.026	O	|	|	|	|	0.08	84.333	0.00	0.02	0.015	O	|	|	|	|	0.05
79.250	0.00	0.03	0.026	O	|	|	|	|	0.08	84.417	0.00	0.02	0.015	O	|	|	|	|	0.05
79.333	0.00	0.03	0.026	O	|	|	|	|	0.08	84.500	0.00	0.02	0.015	O	|	|	|	|	0.05
79.417	0.00	0.03	0.025	O	|	|	|	|	0.08	84.583	0.00	0.02	0.015	O	|	|	|	|	0.05
79.500	0.00	0.03	0.025	O	|	|	|	|	0.08	84.667	0.00	0.02	0.015	O	|	|	|	|	0.05
79.583	0.00	0.03	0.025	O	|	|	|	|	0.08	84.750	0.00	0.02	0.015	O	|	|	|	|	0.05
79.667	0.00	0.03	0.025	O	|	|	|	|	0.08	84.833	0.00	0.02	0.015	O	|	|	|	|	0.05
79.750	0.00	0.03	0.025	O	|	|	|	|	0.08	84.917	0.00	0.02	0.014	O	|	|	|	|	0.05
79.833	0.00	0.03	0.024	O	|	|	|	|	0.08	85.000	0.00	0.02	0.014	O	|	|	|	|	0.04
79.917	0.00	0.03	0.024	O	|	|	|	|	0.08	85.083	0.00	0.02	0.014	O	|	|	|	|	0.04
80.000	0.00	0.03	0.024	O	|	|	|	|	0.08	85.167	0.00	0.02	0.014	O	|	|	|	|	0.04
80.083	0.00	0.03	0.024	O	|	|	|	|	0.07	85.250	0.00	0.02	0.014	O	|	|	|	|	0.04
80.167	0.00	0.03	0.024	O	|	|	|	|	0.07	85.333	0.00	0.02	0.014	O	|	|	|	|	0.04
80.250	0.00	0.03	0.023	O	|	|	|	|	0.07	85.417	0.00	0.02	0.014	O	|	|	|	|	0.04
80.333	0.00	0.03	0.023	O	|	|	|	|	0.07	85.500	0.00	0.02	0.014	O	|	|	|	|	0.04
80.417	0.00	0.03	0.023	O	|	|	|	|	0.07	85.583	0.00	0.02	0.013	O	|	|	|	|	0.04
80.500	0.00	0.03	0.023	O	|	|	|	|	0.07	85.667	0.00	0.02	0.013	O	|	|	|	|	0.04
80.583	0.00	0.03	0.023	O	|	|	|	|	0.07	85.750	0.00	0.02	0.013	O	|	|	|	|	0.04
80.667	0.00	0.03	0.022	O	|	|	|	|	0.07	85.833	0.00	0.02	0.013	O	|	|	|	|	0.04
80.750	0.00	0.03	0.022	O	|	|	|	|	0.07	85.917	0.00	0.02	0.013	O	|	|	|	|	0.04
80.833	0.00	0.03	0.022	O	|	|	|	|	0.07	86.000	0.00	0.02	0.013	O	|	|	|	|	0.04
80.917	0.00	0.03	0.022	O	|	|	|	|	0.07	86.083	0.00	0.02	0.013	O	|	|	|	|	0.04
81.000	0.00	0.03	0.022	O	|	|	|	|	0.07	86.167	0.00	0.02	0.013	O	|	|	|	|	0.04
81.083	0.00	0.03	0.021	O	|	|	|	|	0.07	86.250	0.00	0.02	0.013	O	|	|	|	|	0.04
81.167	0.00	0.03	0.021	O	|	|	|	|	0.07	86.333	0.00	0.02	0.012	O	|	|	|	|	0.04
81.250	0.00	0.03	0.021	O	|	|	|	|	0.07	86.417	0.00	0.02	0.012	O	|	|	|	|	0.04
81.333	0.00	0.03	0.021	O	|	|	|	|	0.07	86.500	0.00	0.02	0.012	O	|	|	|	|	0.04
81.417	0.00	0.03	0.021	O	|	|	|	|	0.06	86.583	0.00	0.02	0.012	O	|	|	|	|	0.04
81.500	0.00	0.03	0.020	O	|	|	|	|	0.06	86.667	0.00	0.02	0.012	O	|	|	|	|	0.04
81.583	0.00	0.03	0.020	O	|	|	|	|	0.06	86.750	0.00	0.01	0.012	O	|	|	|	|	0.04
81.667	0.00	0.03	0.020	O	|	|	|	|	0.06	86.833	0.00	0.01	0.012	O	|	|	|	|	0.04
81.750	0.00	0.03	0.020	O	|	|	|	|	0.06	86.917	0.00	0.01	0.012	O	|	|	|	|	0.04
81.833	0.00	0.02	0.020	O	|	|	|	|	0.06	87.000	0.00	0.01	0.012	O	|	|	|	|	0.04
81.917	0.00	0.02	0.020	O	|	|	|	|	0.06	87.083	0.00	0.01	0.011	O	|	|	|	|	0.04
82.000	0.00	0.02	0.019	O	|	|	|	|	0.06	87.167	0.00	0.01	0.011	O	|	|	|	|	0.04
82.083	0.00	0.02	0.019	O	|	|	|	|	0.06	87.250	0.00	0.01	0.011	O	|	|	|	|	0.04
82.167	0.00	0.02	0.019	O	|	|	|	|	0.06	87.333	0.00	0.01	0.011	O	|	|	|	|	0.04
82.250	0.00	0.02	0.019	O	|	|	|	|	0.06	87.417	0.00	0.01	0.011	O	|	|	|	|	0.03
82.333	0.00	0.02	0.019	O	|	|	|	|	0.06	87.500	0.00	0.01	0.011	O	|	|	|	|	0.03
82.417	0.00	0.02	0.019	O	|	|	|	|	0.06	87.583	0.00	0.01	0.011	O	|	|	|	|	0.03
82.500	0.00	0.02	0.018	O	|	|	|	|	0.06	87.667	0.00	0.01	0.011	O	|	|	|	|	0.03
82.583	0.00	0.02	0.018	O	|	|	|	|	0.06	87.750	0.00	0.01	0.011	O	|	|	|	|	0.03
82.667	0.00	0.02	0.018	O	|	|	|	|	0.06	87.833	0.00	0.01	0.011	O	|	|	|	|	0.03
82.750	0.00	0.02	0.018	O	|	|	|	|	0.06	87.917	0.00	0.01	0.011	O	|	|	|	|	0.03
82.833	0.00	0.02	0.018	O	|	|	|	|	0.06	88.000	0.00	0.01	0.010	O	|	|	|	|	0.03
82.917	0.00	0.02	0.018	O	|	|	|	|	0.06	88.083	0.00	0.01	0.010	O	|	|	|	|	0.03
83.000	0.00	0.02	0.018	O	|	|	|	|	0.05	88.167	0.00	0.01	0.010	O	|	|	|	|	0.03
83.083	0.00	0.02	0.017	O	|	|	|	|	0.05	88.250	0.00	0.01	0.010	O	|	|	|	|	0.03
83.167	0.00	0.02	0.017	O	|	|	|	|	0.05	88.333	0.00	0.01	0.010	O	|	|	|	|	0.03
83.250	0.00	0.02	0.017	O	|	|	|	|	0.05	88.417	0.00	0.01	0.010	O	|	|	|	|	0.03
83.333	0.00	0.02	0.017	O	|	|	|	|	0.05	88.500	0.00	0.01	0.010	O	|	|	|	|	0.03
83.417	0.00	0.02	0.017	O	|	|	|	|	0.05	88.583	0.00	0.01	0.010	O	|	|	|	|	0.03
83.500	0.00	0.02	0.017	O	|	|	|	|	0.05	88.667	0.00	0.01	0.010	O	|	|	|	|	0.03
83.583	0.00	0.02	0.017	O	|	|	|	|	0.05	88.750	0.00	0.01	0.010	O	|	|	|	|	0.03
83.667	0.00	0.02	0.016	O	|	|	|	|	0.05	88.833	0.00	0.01	0.010	O	|	|	|	|	0.03
83.750	0.00	0.02	0.016	O	|	|	|	|	0.05	88.917	0.00	0.01	0.009	O	|	|	|	|	0.03
83.833	0.00	0.02	0.016	O	|	|	|	|	0.05	89.000	0.00	0.01	0.009	O	|	|	|	|	0.03
83.917	0.00	0.02	0.016	O	|	|	|	|	0.05	89.083	0.00	0.01	0.009	O	|	|	|	|	0.03

89.167	0.00	0.01	0.009	O					0.03	94.333	0.00	0.01	0.005	O					0.02
89.250	0.00	0.01	0.009	O					0.03	94.417	0.00	0.01	0.005	O					0.02
89.333	0.00	0.01	0.009	O					0.03	94.500	0.00	0.01	0.005	O					0.02
89.417	0.00	0.01	0.009	O					0.03	94.583	0.00	0.01	0.005	O					0.02
89.500	0.00	0.01	0.009	O					0.03	94.667	0.00	0.01	0.005	O					0.02
89.583	0.00	0.01	0.009	O					0.03	94.750	0.00	0.01	0.005	O					0.02
89.667	0.00	0.01	0.009	O					0.03	94.833	0.00	0.01	0.005	O					0.02
89.750	0.00	0.01	0.009	O					0.03	94.917	0.00	0.01	0.005	O					0.02
89.833	0.00	0.01	0.009	O					0.03	95.000	0.00	0.01	0.005	O					0.02
89.917	0.00	0.01	0.009	O					0.03	95.083	0.00	0.01	0.005	O					0.02
90.000	0.00	0.01	0.008	O					0.03	95.167	0.00	0.01	0.005	O					0.02
90.083	0.00	0.01	0.008	O					0.03	95.250	0.00	0.01	0.005	O					0.02
90.167	0.00	0.01	0.008	O					0.03	95.333	0.00	0.01	0.005	O					0.02
90.250	0.00	0.01	0.008	O					0.03	95.417	0.00	0.01	0.005	O					0.02
90.333	0.00	0.01	0.008	O					0.03	95.500	0.00	0.01	0.005	O					0.02
90.417	0.00	0.01	0.008	O					0.03	95.583	0.00	0.01	0.005	O					0.01
90.500	0.00	0.01	0.008	O					0.03	95.667	0.00	0.01	0.005	O					0.01
90.583	0.00	0.01	0.008	O					0.03	95.750	0.00	0.01	0.005	O					0.01
90.667	0.00	0.01	0.008	O					0.02	95.833	0.00	0.01	0.005	O					0.01
90.750	0.00	0.01	0.008	O					0.02	95.917	0.00	0.01	0.005	O					0.01
90.833	0.00	0.01	0.008	O					0.02	96.000	0.00	0.01	0.005	O					0.01
90.917	0.00	0.01	0.008	O					0.02	96.083	0.00	0.01	0.005	O					0.01
91.000	0.00	0.01	0.008	O					0.02	96.167	0.00	0.01	0.004	O					0.01
91.083	0.00	0.01	0.008	O					0.02	96.250	0.00	0.01	0.004	O					0.01
91.167	0.00	0.01	0.008	O					0.02	96.333	0.00	0.01	0.004	O					0.01
91.250	0.00	0.01	0.007	O					0.02	96.417	0.00	0.01	0.004	O					0.01
91.333	0.00	0.01	0.007	O					0.02	96.500	0.00	0.01	0.004	O					0.01
91.417	0.00	0.01	0.007	O					0.02	96.583	0.00	0.01	0.004	O					0.01
91.500	0.00	0.01	0.007	O					0.02	96.667	0.00	0.01	0.004	O					0.01
91.583	0.00	0.01	0.007	O					0.02	96.750	0.00	0.01	0.004	O					0.01
91.667	0.00	0.01	0.007	O					0.02	96.833	0.00	0.01	0.004	O					0.01
91.750	0.00	0.01	0.007	O					0.02	96.917	0.00	0.01	0.004	O					0.01
91.833	0.00	0.01	0.007	O					0.02	97.000	0.00	0.01	0.004	O					0.01
91.917	0.00	0.01	0.007	O					0.02	97.083	0.00	0.01	0.004	O					0.01
92.000	0.00	0.01	0.007	O					0.02	97.167	0.00	0.01	0.004	O					0.01
92.083	0.00	0.01	0.007	O					0.02	97.250	0.00	0.01	0.004	O					0.01
92.167	0.00	0.01	0.007	O					0.02	97.333	0.00	0.00	0.004	O					0.01
92.250	0.00	0.01	0.007	O					0.02	97.417	0.00	0.00	0.004	O					0.01
92.333	0.00	0.01	0.007	O					0.02	97.500	0.00	0.00	0.004	O					0.01
92.417	0.00	0.01	0.007	O					0.02	97.583	0.00	0.00	0.004	O					0.01
92.500	0.00	0.01	0.007	O					0.02	97.667	0.00	0.00	0.004	O					0.01
92.583	0.00	0.01	0.006	O					0.02	97.750	0.00	0.00	0.004	O					0.01
92.667	0.00	0.01	0.006	O					0.02	97.833	0.00	0.00	0.004	O					0.01
92.750	0.00	0.01	0.006	O					0.02	97.917	0.00	0.00	0.004	O					0.01
92.833	0.00	0.01	0.006	O					0.02	98.000	0.00	0.00	0.004	O					0.01
92.917	0.00	0.01	0.006	O					0.02	98.083	0.00	0.00	0.004	O					0.01
93.000	0.00	0.01	0.006	O					0.02	98.167	0.00	0.00	0.004	O					0.01
93.083	0.00	0.01	0.006	O					0.02	98.250	0.00	0.00	0.004	O					0.01
93.167	0.00	0.01	0.006	O					0.02	98.333	0.00	0.00	0.004	O					0.01
93.250	0.00	0.01	0.006	O					0.02	98.417	0.00	0.00	0.004	O					0.01
93.333	0.00	0.01	0.006	O					0.02	98.500	0.00	0.00	0.004	O					0.01
93.417	0.00	0.01	0.006	O					0.02	98.583	0.00	0.00	0.003	O					0.01
93.500	0.00	0.01	0.006	O					0.02	98.667	0.00	0.00	0.003	O					0.01
93.583	0.00	0.01	0.006	O					0.02	98.750	0.00	0.00	0.003	O					0.01
93.667	0.00	0.01	0.006	O					0.02	98.833	0.00	0.00	0.003	O					0.01
93.750	0.00	0.01	0.006	O					0.02	98.917	0.00	0.00	0.003	O					0.01
93.833	0.00	0.01	0.006	O					0.02	99.000	0.00	0.00	0.003	O					0.01
93.917	0.00	0.01	0.006	O					0.02	99.083	0.00	0.00	0.003	O					0.01
94.000	0.00	0.01	0.006	O					0.02	99.167	0.00	0.00	0.003	O					0.01
94.083	0.00	0.01	0.006	O					0.02	99.250	0.00	0.00	0.003	O					0.01
94.167	0.00	0.01	0.006	O					0.02	99.333	0.00	0.00	0.003	O					0.01
94.250	0.00	0.01	0.005	O					0.02	99.417	0.00	0.00	0.003	O					0.01

99.500	0.00	0.00	0.003	O	|	|	|	|	0.01	104.667	0.00	0.00	0.002	O	|	|	|	|	0.01
99.583	0.00	0.00	0.003	O	|	|	|	|	0.01	104.750	0.00	0.00	0.002	O	|	|	|	|	0.01
99.667	0.00	0.00	0.003	O	|	|	|	|	0.01	104.833	0.00	0.00	0.002	O	|	|	|	|	0.01
99.750	0.00	0.00	0.003	O	|	|	|	|	0.01	104.917	0.00	0.00	0.002	O	|	|	|	|	0.01
99.833	0.00	0.00	0.003	O	|	|	|	|	0.01	105.000	0.00	0.00	0.002	O	|	|	|	|	0.01
99.917	0.00	0.00	0.003	O	|	|	|	|	0.01	105.083	0.00	0.00	0.002	O	|	|	|	|	0.01
100.000	0.00	0.00	0.003	O	|	|	|	|	0.01	105.167	0.00	0.00	0.002	O	|	|	|	|	0.01
100.083	0.00	0.00	0.003	O	|	|	|	|	0.01	105.250	0.00	0.00	0.002	O	|	|	|	|	0.01
100.167	0.00	0.00	0.003	O	|	|	|	|	0.01	105.333	0.00	0.00	0.002	O	|	|	|	|	0.01
100.250	0.00	0.00	0.003	O	|	|	|	|	0.01	105.417	0.00	0.00	0.002	O	|	|	|	|	0.01
100.333	0.00	0.00	0.003	O	|	|	|	|	0.01	105.500	0.00	0.00	0.002	O	|	|	|	|	0.01
100.417	0.00	0.00	0.003	O	|	|	|	|	0.01	105.583	0.00	0.00	0.002	O	|	|	|	|	0.01
100.500	0.00	0.00	0.003	O	|	|	|	|	0.01	105.667	0.00	0.00	0.002	O	|	|	|	|	0.01
100.583	0.00	0.00	0.003	O	|	|	|	|	0.01	105.750	0.00	0.00	0.002	O	|	|	|	|	0.01
100.667	0.00	0.00	0.003	O	|	|	|	|	0.01	105.833	0.00	0.00	0.002	O	|	|	|	|	0.01
100.750	0.00	0.00	0.003	O	|	|	|	|	0.01	105.917	0.00	0.00	0.002	O	|	|	|	|	0.01
100.833	0.00	0.00	0.003	O	|	|	|	|	0.01	106.000	0.00	0.00	0.002	O	|	|	|	|	0.01
100.917	0.00	0.00	0.003	O	|	|	|	|	0.01	106.083	0.00	0.00	0.002	O	|	|	|	|	0.01
101.000	0.00	0.00	0.003	O	|	|	|	|	0.01	106.167	0.00	0.00	0.002	O	|	|	|	|	0.00
101.083	0.00	0.00	0.003	O	|	|	|	|	0.01	106.250	0.00	0.00	0.002	O	|	|	|	|	0.00
101.167	0.00	0.00	0.003	O	|	|	|	|	0.01	106.333	0.00	0.00	0.002	O	|	|	|	|	0.00
101.250	0.00	0.00	0.003	O	|	|	|	|	0.01	106.417	0.00	0.00	0.002	O	|	|	|	|	0.00
101.333	0.00	0.00	0.003	O	|	|	|	|	0.01	106.500	0.00	0.00	0.002	O	|	|	|	|	0.00
101.417	0.00	0.00	0.003	O	|	|	|	|	0.01	106.583	0.00	0.00	0.002	O	|	|	|	|	0.00
101.500	0.00	0.00	0.003	O	|	|	|	|	0.01	106.667	0.00	0.00	0.002	O	|	|	|	|	0.00
101.583	0.00	0.00	0.003	O	|	|	|	|	0.01	106.750	0.00	0.00	0.001	O	|	|	|	|	0.00
101.667	0.00	0.00	0.003	O	|	|	|	|	0.01	106.833	0.00	0.00	0.001	O	|	|	|	|	0.00
101.750	0.00	0.00	0.003	O	|	|	|	|	0.01	106.917	0.00	0.00	0.001	O	|	|	|	|	0.00
101.833	0.00	0.00	0.002	O	|	|	|	|	0.01	107.000	0.00	0.00	0.001	O	|	|	|	|	0.00
101.917	0.00	0.00	0.002	O	|	|	|	|	0.01	107.083	0.00	0.00	0.001	O	|	|	|	|	0.00
102.000	0.00	0.00	0.002	O	|	|	|	|	0.01	107.167	0.00	0.00	0.001	O	|	|	|	|	0.00
102.083	0.00	0.00	0.002	O	|	|	|	|	0.01	107.250	0.00	0.00	0.001	O	|	|	|	|	0.00
102.167	0.00	0.00	0.002	O	|	|	|	|	0.01	107.333	0.00	0.00	0.001	O	|	|	|	|	0.00
102.250	0.00	0.00	0.002	O	|	|	|	|	0.01	107.417	0.00	0.00	0.001	O	|	|	|	|	0.00
102.333	0.00	0.00	0.002	O	|	|	|	|	0.01	107.500	0.00	0.00	0.001	O	|	|	|	|	0.00
102.417	0.00	0.00	0.002	O	|	|	|	|	0.01	107.583	0.00	0.00	0.001	O	|	|	|	|	0.00
102.500	0.00	0.00	0.002	O	|	|	|	|	0.01	107.667	0.00	0.00	0.001	O	|	|	|	|	0.00
102.583	0.00	0.00	0.002	O	|	|	|	|	0.01	107.750	0.00	0.00	0.001	O	|	|	|	|	0.00
102.667	0.00	0.00	0.002	O	|	|	|	|	0.01	107.833	0.00	0.00	0.001	O	|	|	|	|	0.00
102.750	0.00	0.00	0.002	O	|	|	|	|	0.01	107.917	0.00	0.00	0.001	O	|	|	|	|	0.00
102.833	0.00	0.00	0.002	O	|	|	|	|	0.01	108.000	0.00	0.00	0.001	O	|	|	|	|	0.00
102.917	0.00	0.00	0.002	O	|	|	|	|	0.01	108.083	0.00	0.00	0.001	O	|	|	|	|	0.00
103.000	0.00	0.00	0.002	O	|	|	|	|	0.01	108.167	0.00	0.00	0.001	O	|	|	|	|	0.00
103.083	0.00	0.00	0.002	O	|	|	|	|	0.01	108.250	0.00	0.00	0.001	O	|	|	|	|	0.00
103.167	0.00	0.00	0.002	O	|	|	|	|	0.01	108.333	0.00	0.00	0.001	O	|	|	|	|	0.00
103.250	0.00	0.00	0.002	O	|	|	|	|	0.01	108.417	0.00	0.00	0.001	O	|	|	|	|	0.00
103.333	0.00	0.00	0.002	O	|	|	|	|	0.01	108.500	0.00	0.00	0.001	O	|	|	|	|	0.00
103.417	0.00	0.00	0.002	O	|	|	|	|	0.01	108.583	0.00	0.00	0.001	O	|	|	|	|	0.00
103.500	0.00	0.00	0.002	O	|	|	|	|	0.01	108.667	0.00	0.00	0.001	O	|	|	|	|	0.00
103.583	0.00	0.00	0.002	O	|	|	|	|	0.01	108.750	0.00	0.00	0.001	O	|	|	|	|	0.00
103.667	0.00	0.00	0.002	O	|	|	|	|	0.01	108.833	0.00	0.00	0.001	O	|	|	|	|	0.00
103.750	0.00	0.00	0.002	O	|	|	|	|	0.01	108.917	0.00	0.00	0.001	O	|	|	|	|	0.00
103.833	0.00	0.00	0.002	O	|	|	|	|	0.01	109.000	0.00	0.00	0.001	O	|	|	|	|	0.00
103.917	0.00	0.00	0.002	O	|	|	|	|	0.01	109.083	0.00	0.00	0.001	O	|	|	|	|	0.00
104.000	0.00	0.00	0.002	O	|	|	|	|	0.01	109.167	0.00	0.00	0.001	O	|	|	|	|	0.00
104.083	0.00	0.00	0.002	O	|	|	|	|	0.01	109.250	0.00	0.00	0.001	O	|	|	|	|	0.00
104.167	0.00	0.00	0.002	O	|	|	|	|	0.01	109.333	0.00	0.00	0.001	O	|	|	|	|	0.00
104.250	0.00	0.00	0.002	O	|	|	|	|	0.01	109.417	0.00	0.00	0.001	O	|	|	|	|	0.00
104.333	0.00	0.00	0.002	O	|	|	|	|	0.01	109.500	0.00	0.00	0.001	O	|	|	|	|	0.00
104.417	0.00	0.00	0.002	O	|	|	|	|	0.01	109.583	0.00	0.00	0.001	O	|	|	|	|	0.00
104.500	0.00	0.00	0.002	O	|	|	|	|	0.01	109.667	0.00	0.00	0.001	O	|	|	|	|	0.00
104.583	0.00	0.00	0.002	O	|	|	|	|	0.01	109.750	0.00	0.00	0.001	O	|	|	|	|	0.00

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109.833    0.00    0.00      0.001  O       |       |       |       |     0.00
109.917    0.00    0.00      0.001  O       |       |       |       |     0.00
110.000    0.00    0.00      0.001  O       |       |       |       |     0.00
110.083    0.00    0.00      0.001  O       |       |       |       |     0.00
110.167    0.00    0.00      0.001  O       |       |       |       |     0.00
110.250    0.00    0.00      0.001  O       |       |       |       |     0.00
110.333    0.00    0.00      0.001  O       |       |       |       |     0.00
110.417    0.00    0.00      0.001  O       |       |       |       |     0.00
110.500    0.00    0.00      0.001  O       |       |       |       |     0.00
110.583    0.00    0.00      0.001  O       |       |       |       |     0.00
110.667    0.00    0.00      0.001  O       |       |       |       |     0.00
110.750    0.00    0.00      0.001  O       |       |       |       |     0.00
110.833    0.00    0.00      0.001  O       |       |       |       |     0.00
110.917    0.00    0.00      0.001  O       |       |       |       |     0.00
111.000    0.00    0.00      0.001  O       |       |       |       |     0.00
111.083    0.00    0.00      0.001  O       |       |       |       |     0.00
111.167    0.00    0.00      0.001  O       |       |       |       |     0.00
111.250    0.00    0.00      0.001  O       |       |       |       |     0.00
111.333    0.00    0.00      0.001  O       |       |       |       |     0.00
111.417    0.00    0.00      0.001  O       |       |       |       |     0.00
111.500    0.00    0.00      0.001  O       |       |       |       |     0.00
111.583    0.00    0.00      0.001  O       |       |       |       |     0.00
111.667    0.00    0.00      0.001  O       |       |       |       |     0.00
111.750    0.00    0.00      0.001  O       |       |       |       |     0.00
111.833    0.00    0.00      0.001  O       |       |       |       |     0.00
111.917    0.00    0.00      0.001  O       |       |       |       |     0.00
112.000    0.00    0.00      0.001  O       |       |       |       |     0.00
112.083    0.00    0.00      0.001  O       |       |       |       |     0.00
112.167    0.00    0.00      0.001  O       |       |       |       |     0.00
112.250    0.00    0.00      0.001  O       |       |       |       |     0.00
112.333    0.00    0.00      0.001  O       |       |       |       |     0.00
112.417    0.00    0.00      0.001  O       |       |       |       |     0.00
112.500    0.00    0.00      0.001  O       |       |       |       |     0.00
112.583    0.00    0.00      0.001  O       |       |       |       |     0.00
112.667    0.00    0.00      0.001  O       |       |       |       |     0.00
112.750    0.00    0.00      0.001  O       |       |       |       |     0.00
112.833    0.00    0.00      0.001  O       |       |       |       |     0.00

*****************************HYDROGRAPH DATA*****************************
                Number of intervals =  1354
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        2.560 (CFS)
                Total volume =       7.227 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.168    15.218     1.682     0.000     0.000
        Vol (Ac.Ft)     0.252     5.634     2.911     0.000     0.000
*************************************************************************

------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.940 to Point/Station       10.960
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
_________________________________________________________________________
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP10A1003100.rte
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                 P R I N T  O F  S T O R M
              R u n o f f     H y d r o g r a p h
```

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                    Hydrograph in   5   Minute intervals (CFS)

Time(h+m) Add q(CFS)  Tot. Q   0       94.8     189.7     284.5     379.4
-----------------------------------------------------------------------
  0+ 5       0.4858      0.50  Q       |         |         |         |
  0+10       2.0241      2.08  Q       |         |         |         |
  0+15       4.8934      5.04  Q       |         |         |         |
  0+20      11.3838     11.62  |Q       |         |         |         |
  0+25      15.5028     15.84  |Q       |         |         |         |
  0+30      18.2154     18.64  |Q       |         |         |         |
  0+35      22.8090     23.28  | Q      |         |         |         |
  0+40      27.1084     27.63  | Q      |         |         |         |
  0+45      33.7064     34.28  |  Q     |         |         |         |
  0+50      34.6716     35.36  |  Q     |         |         |         |
  0+55      38.7563     39.58  |   Q    |         |         |         |
  1+ 0      40.6733     41.61  |   Q    |         |         |         |
  1+ 5      38.9431     40.02  |   Q    |         |         |         |
  1+10      42.7961     43.97  |   Q    |         |         |         |
  1+15      51.5345     52.78  |    Q   |         |         |         |
  1+20      62.6858     64.01  |     Q  |         |         |         |
  1+25      69.3240     70.73  |      Q |         |         |         |
  1+30      74.2921     75.76  |      Q |         |         |         |
  1+35      78.5149     80.05  |       Q|         |         |         |
  1+40      90.8786     92.49  |        Q|        |         |         |
  1+45     100.7924    102.46  |         Q        |         |         |
  1+50     105.5717    107.30  |         |Q       |         |         |
  1+55     116.5358    118.33  |         | Q      |         |         |
  2+ 0     131.6005    133.46  |         |  qQ    |         |         |
  2+ 5     136.6253    138.53  |         |   Q    |         |         |
  2+10     138.9581    140.92  |         |   Q    |         |         |
  2+15     149.4545    151.48  |         |    Q   |         |         |
  2+20     166.4741    168.56  |         |     Q  |         |         |
  2+25     198.8643    201.02  |         |      qQ|         |         |
  2+30     235.7089    237.93  |         |        |  qQ     |         |
  2+35     258.7454    261.06  |         |        |    Q    |         |
  2+40     328.5174    330.92  |         |        |         |  Q      |
  2+45     372.1171    374.59  |         |        |         |        Q|
  2+50     376.8592    379.37  |         |        |         |        qQ
  2+55     317.9682    320.50  |         |        |         |  Q      |
  3+ 0     219.9032    222.45  |         |        |  Q      |         |
  3+ 5     161.1532    163.71  |         |      qQ|         |         |
  3+10     126.9588    129.52  |         |   Q    |         |         |
  3+15      94.6045     97.16  |       qQ|        |         |         |
  3+20      69.8617     72.42  |      Q  |        |         |         |
  3+25      52.7003     55.26  |    Q    |        |         |         |
  3+30      39.9052     42.46  |   Q     |        |         |         |
  3+35      29.3472     31.90  |  Q      |        |         |         |
  3+40      21.0779     23.63  | Q       |        |         |         |
  3+45      14.8225     17.37  |Q        |        |         |         |
  3+50      10.7550     13.30  |Q        |        |         |         |
  3+55       8.3435     10.89  qQ       |        |         |         |
  4+ 0       6.6646      9.21  Q        |        |         |         |
  4+ 5       5.4557      7.99  Q        |        |         |         |
  4+10       4.5539      7.09  Q        |        |         |         |
  4+15       3.8270      6.36  Q        |        |         |         |
  4+20       2.8498      5.38  Q        |        |         |         |
  4+25       1.9217      4.45  Q        |        |         |         |
  4+30       1.2296      3.76  Q        |        |         |         |
  4+35       0.6949      3.22  Q        |        |         |         |
  4+40       0.3152      2.84  Q        |        |         |         |
```

4+45	0.1247	2.65	Q					9+55	0.0000	2.37	Q								
4+50	0.0609	2.58	Q					10+ 0	0.0000	2.37	Q								
4+55	0.0237	2.54	Q					10+ 5	0.0000	2.36	Q								
5+ 0	0.0035	2.52	Q					10+10	0.0000	2.36	Q								
5+ 5	0.0000	2.51	Q					10+15	0.0000	2.36	Q								
5+10	0.0000	2.51	Q					10+20	0.0000	2.36	Q								
5+15	0.0000	2.51	Q					10+25	0.0000	2.35	Q								
5+20	0.0000	2.51	Q					10+30	0.0000	2.35	Q								
5+25	0.0000	2.50	Q					10+35	0.0000	2.35	Q								
5+30	0.0000	2.50	Q					10+40	0.0000	2.34	Q								
5+35	0.0000	2.50	Q					10+45	0.0000	2.34	Q								
5+40	0.0000	2.50	Q					10+50	0.0000	2.34	Q								
5+45	0.0000	2.49	Q					10+55	0.0000	2.34	Q								
5+50	0.0000	2.49	Q					11+ 0	0.0000	2.33	Q								
5+55	0.0000	2.49	Q					11+ 5	0.0000	2.33	Q								
6+ 0	0.0000	2.49	Q					11+10	0.0000	2.33	Q								
6+ 5	0.0000	2.48	Q					11+15	0.0000	2.33	Q								
6+10	0.0000	2.48	Q					11+20	0.0000	2.32	Q								
6+15	0.0000	2.48	Q					11+25	0.0000	2.32	Q								
6+20	0.0000	2.48	Q					11+30	0.0000	2.32	Q								
6+25	0.0000	2.47	Q					11+35	0.0000	2.31	Q								
6+30	0.0000	2.47	Q					11+40	0.0000	2.31	Q								
6+35	0.0000	2.47	Q					11+45	0.0000	2.31	Q								
6+40	0.0000	2.47	Q					11+50	0.0000	2.31	Q								
6+45	0.0000	2.46	Q					11+55	0.0000	2.30	Q								
6+50	0.0000	2.46	Q					12+ 0	0.0000	2.30	Q								
6+55	0.0000	2.46	Q					12+ 5	0.0000	2.30	Q								
7+ 0	0.0000	2.46	Q					12+10	0.0000	2.29	Q								
7+ 5	0.0000	2.45	Q					12+15	0.0000	2.29	Q								
7+10	0.0000	2.45	Q					12+20	0.0000	2.29	Q								
7+15	0.0000	2.45	Q					12+25	0.0000	2.29	Q								
7+20	0.0000	2.45	Q					12+30	0.0000	2.28	Q								
7+25	0.0000	2.44	Q					12+35	0.0000	2.28	Q								
7+30	0.0000	2.44	Q					12+40	0.0000	2.28	Q								
7+35	0.0000	2.44	Q					12+45	0.0000	2.27	Q								
7+40	0.0000	2.44	Q					12+50	0.0000	2.27	Q								
7+45	0.0000	2.43	Q					12+55	0.0000	2.27	Q								
7+50	0.0000	2.43	Q					13+ 0	0.0000	2.27	Q								
7+55	0.0000	2.43	Q					13+ 5	0.0000	2.26	Q								
8+ 0	0.0000	2.43	Q					13+10	0.0000	2.26	Q								
8+ 5	0.0000	2.42	Q					13+15	0.0000	2.26	Q								
8+10	0.0000	2.42	Q					13+20	0.0000	2.26	Q								
8+15	0.0000	2.42	Q					13+25	0.0000	2.25	Q								
8+20	0.0000	2.42	Q					13+30	0.0000	2.25	Q								
8+25	0.0000	2.41	Q					13+35	0.0000	2.25	Q								
8+30	0.0000	2.41	Q					13+40	0.0000	2.24	Q								
8+35	0.0000	2.41	Q					13+45	0.0000	2.24	Q								
8+40	0.0000	2.41	Q					13+50	0.0000	2.24	Q								
8+45	0.0000	2.40	Q					13+55	0.0000	2.24	Q								
8+50	0.0000	2.40	Q					14+ 0	0.0000	2.23	Q								
8+55	0.0000	2.40	Q					14+ 5	0.0000	2.23	Q								
9+ 0	0.0000	2.40	Q					14+10	0.0000	2.23	Q								
9+ 5	0.0000	2.39	Q					14+15	0.0000	2.23	Q								
9+10	0.0000	2.39	Q					14+20	0.0000	2.22	Q								
9+15	0.0000	2.39	Q					14+25	0.0000	2.22	Q								
9+20	0.0000	2.39	Q					14+30	0.0000	2.22	Q								
9+25	0.0000	2.38	Q					14+35	0.0000	2.21	Q								
9+30	0.0000	2.38	Q					14+40	0.0000	2.21	Q								
9+35	0.0000	2.38	Q					14+45	0.0000	2.21	Q								
9+40	0.0000	2.38	Q					14+50	0.0000	2.21	Q								
9+45	0.0000	2.37	Q					14+55	0.0000	2.20	Q								
9+50	0.0000	2.37	Q					15+ 0	0.0000	2.20	Q								

15+ 5	0.0000	2.20	Q	|	|	|	|	20+15	0.0000	2.02	Q	|	|	|	|
15+10	0.0000	2.20	Q	|	|	|	|	20+20	0.0000	2.01	Q	|	|	|	|
15+15	0.0000	2.19	Q	|	|	|	|	20+25	0.0000	2.01	Q	|	|	|	|
15+20	0.0000	2.19	Q	|	|	|	|	20+30	0.0000	2.01	Q	|	|	|	|
15+25	0.0000	2.19	Q	|	|	|	|	20+35	0.0000	2.00	Q	|	|	|	|
15+30	0.0000	2.18	Q	|	|	|	|	20+40	0.0000	2.00	Q	|	|	|	|
15+35	0.0000	2.18	Q	|	|	|	|	20+45	0.0000	2.00	Q	|	|	|	|
15+40	0.0000	2.18	Q	|	|	|	|	20+50	0.0000	1.99	Q	|	|	|	|
15+45	0.0000	2.17	Q	|	|	|	|	20+55	0.0000	1.99	Q	|	|	|	|
15+50	0.0000	2.17	Q	|	|	|	|	21+ 0	0.0000	1.99	Q	|	|	|	|
15+55	0.0000	2.17	Q	|	|	|	|	21+ 5	0.0000	1.98	Q	|	|	|	|
16+ 0	0.0000	2.17	Q	|	|	|	|	21+10	0.0000	1.98	Q	|	|	|	|
16+ 5	0.0000	2.16	Q	|	|	|	|	21+15	0.0000	1.98	Q	|	|	|	|
16+10	0.0000	2.16	Q	|	|	|	|	21+20	0.0000	1.97	Q	|	|	|	|
16+15	0.0000	2.16	Q	|	|	|	|	21+25	0.0000	1.97	Q	|	|	|	|
16+20	0.0000	2.15	Q	|	|	|	|	21+30	0.0000	1.97	Q	|	|	|	|
16+25	0.0000	2.15	Q	|	|	|	|	21+35	0.0000	1.96	Q	|	|	|	|
16+30	0.0000	2.15	Q	|	|	|	|	21+40	0.0000	1.96	Q	|	|	|	|
16+35	0.0000	2.15	Q	|	|	|	|	21+45	0.0000	1.96	Q	|	|	|	|
16+40	0.0000	2.14	Q	|	|	|	|	21+50	0.0000	1.95	Q	|	|	|	|
16+45	0.0000	2.14	Q	|	|	|	|	21+55	0.0000	1.95	Q	|	|	|	|
16+50	0.0000	2.14	Q	|	|	|	|	22+ 0	0.0000	1.95	Q	|	|	|	|
16+55	0.0000	2.13	Q	|	|	|	|	22+ 5	0.0000	1.94	Q	|	|	|	|
17+ 0	0.0000	2.13	Q	|	|	|	|	22+10	0.0000	1.94	Q	|	|	|	|
17+ 5	0.0000	2.13	Q	|	|	|	|	22+15	0.0000	1.93	Q	|	|	|	|
17+10	0.0000	2.13	Q	|	|	|	|	22+20	0.0000	1.93	Q	|	|	|	|
17+15	0.0000	2.12	Q	|	|	|	|	22+25	0.0000	1.93	Q	|	|	|	|
17+20	0.0000	2.12	Q	|	|	|	|	22+30	0.0000	1.92	Q	|	|	|	|
17+25	0.0000	2.12	Q	|	|	|	|	22+35	0.0000	1.92	Q	|	|	|	|
17+30	0.0000	2.11	Q	|	|	|	|	22+40	0.0000	1.92	Q	|	|	|	|
17+35	0.0000	2.11	Q	|	|	|	|	22+45	0.0000	1.91	Q	|	|	|	|
17+40	0.0000	2.11	Q	|	|	|	|	22+50	0.0000	1.91	Q	|	|	|	|
17+45	0.0000	2.11	Q	|	|	|	|	22+55	0.0000	1.91	Q	|	|	|	|
17+50	0.0000	2.10	Q	|	|	|	|	23+ 0	0.0000	1.90	Q	|	|	|	|
17+55	0.0000	2.10	Q	|	|	|	|	23+ 5	0.0000	1.90	Q	|	|	|	|
18+ 0	0.0000	2.10	Q	|	|	|	|	23+10	0.0000	1.90	Q	|	|	|	|
18+ 5	0.0000	2.09	Q	|	|	|	|	23+15	0.0000	1.89	Q	|	|	|	|
18+10	0.0000	2.09	Q	|	|	|	|	23+20	0.0000	1.89	Q	|	|	|	|
18+15	0.0000	2.09	Q	|	|	|	|	23+25	0.0000	1.89	Q	|	|	|	|
18+20	0.0000	2.09	Q	|	|	|	|	23+30	0.0000	1.88	Q	|	|	|	|
18+25	0.0000	2.08	Q	|	|	|	|	23+35	0.0000	1.88	Q	|	|	|	|
18+30	0.0000	2.08	Q	|	|	|	|	23+40	0.0000	1.88	Q	|	|	|	|
18+35	0.0000	2.08	Q	|	|	|	|	23+45	0.0000	1.87	Q	|	|	|	|
18+40	0.0000	2.08	Q	|	|	|	|	23+50	0.0000	1.87	Q	|	|	|	|
18+45	0.0000	2.07	Q	|	|	|	|	23+55	0.0000	1.87	Q	|	|	|	|
18+50	0.0000	2.07	Q	|	|	|	|	24+ 0	0.0000	1.87	Q	|	|	|	|
18+55	0.0000	2.07	Q	|	|	|	|	24+ 5	0.0000	1.86	Q	|	|	|	|
19+ 0	0.0000	2.06	Q	|	|	|	|	24+10	0.0000	1.86	Q	|	|	|	|
19+ 5	0.0000	2.06	Q	|	|	|	|	24+15	0.0000	1.86	Q	|	|	|	|
19+10	0.0000	2.06	Q	|	|	|	|	24+20	0.0000	1.85	Q	|	|	|	|
19+15	0.0000	2.06	Q	|	|	|	|	24+25	0.0000	1.85	Q	|	|	|	|
19+20	0.0000	2.05	Q	|	|	|	|	24+30	0.0000	1.84	Q	|	|	|	|
19+25	0.0000	2.05	Q	|	|	|	|	24+35	0.0000	1.84	Q	|	|	|	|
19+30	0.0000	2.05	Q	|	|	|	|	24+40	0.0000	1.84	Q	|	|	|	|
19+35	0.0000	2.05	Q	|	|	|	|	24+45	0.0000	1.83	Q	|	|	|	|
19+40	0.0000	2.04	Q	|	|	|	|	24+50	0.0000	1.83	Q	|	|	|	|
19+45	0.0000	2.04	Q	|	|	|	|	24+55	0.0000	1.83	Q	|	|	|	|
19+50	0.0000	2.04	Q	|	|	|	|	25+ 0	0.0000	1.82	Q	|	|	|	|
19+55	0.0000	2.03	Q	|	|	|	|	25+ 5	0.0000	1.82	Q	|	|	|	|
20+ 0	0.0000	2.03	Q	|	|	|	|	25+10	0.0000	1.81	Q	|	|	|	|
20+ 5	0.0000	2.03	Q	|	|	|	|	25+15	0.0000	1.81	Q	|	|	|	|
20+10	0.0000	2.02	Q	|	|	|	|	25+20	0.0000	1.81	Q	|	|	|	|

25+25	0.0000	1.80	Q					30+35	0.0000	1.57	Q				
25+30	0.0000	1.80	Q					30+40	0.0000	1.56	Q				
25+35	0.0000	1.80	Q					30+45	0.0000	1.56	Q				
25+40	0.0000	1.79	Q					30+50	0.0000	1.55	Q				
25+45	0.0000	1.79	Q					30+55	0.0000	1.55	Q				
25+50	0.0000	1.79	Q					31+ 0	0.0000	1.54	Q				
25+55	0.0000	1.78	Q					31+ 5	0.0000	1.54	Q				
26+ 0	0.0000	1.78	Q					31+10	0.0000	1.54	Q				
26+ 5	0.0000	1.77	Q					31+15	0.0000	1.53	Q				
26+10	0.0000	1.77	Q					31+20	0.0000	1.53	Q				
26+15	0.0000	1.77	Q					31+25	0.0000	1.52	Q				
26+20	0.0000	1.76	Q					31+30	0.0000	1.52	Q				
26+25	0.0000	1.76	Q					31+35	0.0000	1.51	Q				
26+30	0.0000	1.76	Q					31+40	0.0000	1.51	Q				
26+35	0.0000	1.75	Q					31+45	0.0000	1.51	Q				
26+40	0.0000	1.75	Q					31+50	0.0000	1.50	Q				
26+45	0.0000	1.75	Q					31+55	0.0000	1.50	Q				
26+50	0.0000	1.74	Q					32+ 0	0.0000	1.49	Q				
26+55	0.0000	1.74	Q					32+ 5	0.0000	1.49	Q				
27+ 0	0.0000	1.73	Q					32+10	0.0000	1.49	Q				
27+ 5	0.0000	1.73	Q					32+15	0.0000	1.48	Q				
27+10	0.0000	1.73	Q					32+20	0.0000	1.48	Q				
27+15	0.0000	1.72	Q					32+25	0.0000	1.47	Q				
27+20	0.0000	1.72	Q					32+30	0.0000	1.47	Q				
27+25	0.0000	1.72	Q					32+35	0.0000	1.47	Q				
27+30	0.0000	1.71	Q					32+40	0.0000	1.46	Q				
27+35	0.0000	1.71	Q					32+45	0.0000	1.46	Q				
27+40	0.0000	1.71	Q					32+50	0.0000	1.45	Q				
27+45	0.0000	1.70	Q					32+55	0.0000	1.45	Q				
27+50	0.0000	1.70	Q					33+ 0	0.0000	1.45	Q				
27+55	0.0000	1.70	Q					33+ 5	0.0000	1.44	Q				
28+ 0	0.0000	1.69	Q					33+10	0.0000	1.44	Q				
28+ 5	0.0000	1.69	Q					33+15	0.0000	1.43	Q				
28+10	0.0000	1.69	Q					33+20	0.0000	1.43	Q				
28+15	0.0000	1.68	Q					33+25	0.0000	1.43	Q				
28+20	0.0000	1.68	Q					33+30	0.0000	1.42	Q				
28+25	0.0000	1.67	Q					33+35	0.0000	1.42	Q				
28+30	0.0000	1.67	Q					33+40	0.0000	1.41	Q				
28+35	0.0000	1.67	Q					33+45	0.0000	1.41	Q				
28+40	0.0000	1.66	Q					33+50	0.0000	1.40	Q				
28+45	0.0000	1.66	Q					33+55	0.0000	1.40	Q				
28+50	0.0000	1.66	Q					34+ 0	0.0000	1.39	Q				
28+55	0.0000	1.65	Q					34+ 5	0.0000	1.39	Q				
29+ 0	0.0000	1.65	Q					34+10	0.0000	1.38	Q				
29+ 5	0.0000	1.65	Q					34+15	0.0000	1.38	Q				
29+10	0.0000	1.64	Q					34+20	0.0000	1.37	Q				
29+15	0.0000	1.64	Q					34+25	0.0000	1.37	Q				
29+20	0.0000	1.63	Q					34+30	0.0000	1.36	Q				
29+25	0.0000	1.63	Q					34+35	0.0000	1.36	Q				
29+30	0.0000	1.62	Q					34+40	0.0000	1.35	Q				
29+35	0.0000	1.62	Q					34+45	0.0000	1.35	Q				
29+40	0.0000	1.61	Q					34+50	0.0000	1.34	Q				
29+45	0.0000	1.61	Q					34+55	0.0000	1.34	Q				
29+50	0.0000	1.61	Q					35+ 0	0.0000	1.33	Q				
29+55	0.0000	1.60	Q					35+ 5	0.0000	1.33	Q				
30+ 0	0.0000	1.60	Q					35+10	0.0000	1.32	Q				
30+ 5	0.0000	1.59	Q					35+15	0.0000	1.32	Q				
30+10	0.0000	1.59	Q					35+20	0.0000	1.31	Q				
30+15	0.0000	1.58	Q					35+25	0.0000	1.31	Q				
30+20	0.0000	1.58	Q					35+30	0.0000	1.30	Q				
30+25	0.0000	1.58	Q					35+35	0.0000	1.30	Q				
30+30	0.0000	1.57	Q					35+40	0.0000	1.29	Q				

35+45	0.0000	1.29	Q					40+55	0.0000	0.90	Q				
35+50	0.0000	1.28	Q					41+ 0	0.0000	0.90	Q				
35+55	0.0000	1.28	Q					41+ 5	0.0000	0.89	Q				
36+ 0	0.0000	1.27	Q					41+10	0.0000	0.88	Q				
36+ 5	0.0000	1.27	Q					41+15	0.0000	0.88	Q				
36+10	0.0000	1.26	Q					41+20	0.0000	0.87	Q				
36+15	0.0000	1.26	Q					41+25	0.0000	0.86	Q				
36+20	0.0000	1.25	Q					41+30	0.0000	0.85	Q				
36+25	0.0000	1.25	Q					41+35	0.0000	0.85	Q				
36+30	0.0000	1.24	Q					41+40	0.0000	0.84	Q				
36+35	0.0000	1.24	Q					41+45	0.0000	0.83	Q				
36+40	0.0000	1.23	Q					41+50	0.0000	0.83	Q				
36+45	0.0000	1.23	Q					41+55	0.0000	0.82	Q				
36+50	0.0000	1.22	Q					42+ 0	0.0000	0.81	Q				
36+55	0.0000	1.22	Q					42+ 5	0.0000	0.81	Q				
37+ 0	0.0000	1.21	Q					42+10	0.0000	0.80	Q				
37+ 5	0.0000	1.21	Q					42+15	0.0000	0.79	Q				
37+10	0.0000	1.20	Q					42+20	0.0000	0.79	Q				
37+15	0.0000	1.20	Q					42+25	0.0000	0.78	Q				
37+20	0.0000	1.20	Q					42+30	0.0000	0.77	Q				
37+25	0.0000	1.19	Q					42+35	0.0000	0.77	Q				
37+30	0.0000	1.19	Q					42+40	0.0000	0.76	Q				
37+35	0.0000	1.18	Q					42+45	0.0000	0.75	Q				
37+40	0.0000	1.18	Q					42+50	0.0000	0.75	Q				
37+45	0.0000	1.17	Q					42+55	0.0000	0.74	Q				
37+50	0.0000	1.17	Q					43+ 0	0.0000	0.74	Q				
37+55	0.0000	1.16	Q					43+ 5	0.0000	0.73	Q				
38+ 0	0.0000	1.16	Q					43+10	0.0000	0.72	Q				
38+ 5	0.0000	1.15	Q					43+15	0.0000	0.72	Q				
38+10	0.0000	1.15	Q					43+20	0.0000	0.71	Q				
38+15	0.0000	1.15	Q					43+25	0.0000	0.71	Q				
38+20	0.0000	1.14	Q					43+30	0.0000	0.70	Q				
38+25	0.0000	1.14	Q					43+35	0.0000	0.70	Q				
38+30	0.0000	1.13	Q					43+40	0.0000	0.69	Q				
38+35	0.0000	1.13	Q					43+45	0.0000	0.68	Q				
38+40	0.0000	1.12	Q					43+50	0.0000	0.68	Q				
38+45	0.0000	1.12	Q					43+55	0.0000	0.67	Q				
38+50	0.0000	1.11	Q					44+ 0	0.0000	0.67	Q				
38+55	0.0000	1.10	Q					44+ 5	0.0000	0.66	Q				
39+ 0	0.0000	1.09	Q					44+10	0.0000	0.66	Q				
39+ 5	0.0000	1.08	Q					44+15	0.0000	0.65	Q				
39+10	0.0000	1.08	Q					44+20	0.0000	0.65	Q				
39+15	0.0000	1.07	Q					44+25	0.0000	0.64	Q				
39+20	0.0000	1.06	Q					44+30	0.0000	0.63	Q				
39+25	0.0000	1.05	Q					44+35	0.0000	0.63	Q				
39+30	0.0000	1.04	Q					44+40	0.0000	0.62	Q				
39+35	0.0000	1.03	Q					44+45	0.0000	0.62	Q				
39+40	0.0000	1.02	Q					44+50	0.0000	0.61	Q				
39+45	0.0000	1.01	Q					44+55	0.0000	0.61	Q				
39+50	0.0000	1.01	Q					45+ 0	0.0000	0.60	Q				
39+55	0.0000	1.00	Q					45+ 5	0.0000	0.60	Q				
40+ 0	0.0000	0.99	Q					45+10	0.0000	0.59	Q				
40+ 5	0.0000	0.98	Q					45+15	0.0000	0.59	Q				
40+10	0.0000	0.97	Q					45+20	0.0000	0.58	Q				
40+15	0.0000	0.97	Q					45+25	0.0000	0.58	Q				
40+20	0.0000	0.96	Q					45+30	0.0000	0.58	Q				
40+25	0.0000	0.95	Q					45+35	0.0000	0.58	Q				
40+30	0.0000	0.94	Q					45+40	0.0000	0.57	Q				
40+35	0.0000	0.93	Q					45+45	0.0000	0.57	Q				
40+40	0.0000	0.93	Q					45+50	0.0000	0.57	Q				
40+45	0.0000	0.92	Q					45+55	0.0000	0.57	Q				
40+50	0.0000	0.91	Q					46+ 0	0.0000	0.57	Q				

46+ 5	0.0000	0.57	Q					51+15	0.0000	0.46	Q				
46+10	0.0000	0.56	Q					51+20	0.0000	0.46	Q				
46+15	0.0000	0.56	Q					51+25	0.0000	0.46	Q				
46+20	0.0000	0.56	Q					51+30	0.0000	0.46	Q				
46+25	0.0000	0.56	Q					51+35	0.0000	0.46	Q				
46+30	0.0000	0.56	Q					51+40	0.0000	0.46	Q				
46+35	0.0000	0.55	Q					51+45	0.0000	0.45	Q				
46+40	0.0000	0.55	Q					51+50	0.0000	0.45	Q				
46+45	0.0000	0.55	Q					51+55	0.0000	0.45	Q				
46+50	0.0000	0.55	Q					52+ 0	0.0000	0.45	Q				
46+55	0.0000	0.55	Q					52+ 5	0.0000	0.45	Q				
47+ 0	0.0000	0.55	Q					52+10	0.0000	0.45	Q				
47+ 5	0.0000	0.54	Q					52+15	0.0000	0.45	Q				
47+10	0.0000	0.54	Q					52+20	0.0000	0.44	Q				
47+15	0.0000	0.54	Q					52+25	0.0000	0.44	Q				
47+20	0.0000	0.54	Q					52+30	0.0000	0.44	Q				
47+25	0.0000	0.54	Q					52+35	0.0000	0.44	Q				
47+30	0.0000	0.54	Q					52+40	0.0000	0.44	Q				
47+35	0.0000	0.53	Q					52+45	0.0000	0.44	Q				
47+40	0.0000	0.53	Q					52+50	0.0000	0.44	Q				
47+45	0.0000	0.53	Q					52+55	0.0000	0.43	Q				
47+50	0.0000	0.53	Q					53+ 0	0.0000	0.43	Q				
47+55	0.0000	0.53	Q					53+ 5	0.0000	0.43	Q				
48+ 0	0.0000	0.52	Q					53+10	0.0000	0.43	Q				
48+ 5	0.0000	0.52	Q					53+15	0.0000	0.43	Q				
48+10	0.0000	0.52	Q					53+20	0.0000	0.43	Q				
48+15	0.0000	0.52	Q					53+25	0.0000	0.43	Q				
48+20	0.0000	0.52	Q					53+30	0.0000	0.42	Q				
48+25	0.0000	0.52	Q					53+35	0.0000	0.42	Q				
48+30	0.0000	0.51	Q					53+40	0.0000	0.42	Q				
48+35	0.0000	0.51	Q					53+45	0.0000	0.42	Q				
48+40	0.0000	0.51	Q					53+50	0.0000	0.42	Q				
48+45	0.0000	0.51	Q					53+55	0.0000	0.42	Q				
48+50	0.0000	0.51	Q					54+ 0	0.0000	0.42	Q				
48+55	0.0000	0.51	Q					54+ 5	0.0000	0.41	Q				
49+ 0	0.0000	0.50	Q					54+10	0.0000	0.41	Q				
49+ 5	0.0000	0.50	Q					54+15	0.0000	0.41	Q				
49+10	0.0000	0.50	Q					54+20	0.0000	0.41	Q				
49+15	0.0000	0.50	Q					54+25	0.0000	0.41	Q				
49+20	0.0000	0.50	Q					54+30	0.0000	0.41	Q				
49+25	0.0000	0.50	Q					54+35	0.0000	0.41	Q				
49+30	0.0000	0.50	Q					54+40	0.0000	0.41	Q				
49+35	0.0000	0.49	Q					54+45	0.0000	0.40	Q				
49+40	0.0000	0.49	Q					54+50	0.0000	0.40	Q				
49+45	0.0000	0.49	Q					54+55	0.0000	0.40	Q				
49+50	0.0000	0.49	Q					55+ 0	0.0000	0.40	Q				
49+55	0.0000	0.49	Q					55+ 5	0.0000	0.40	Q				
50+ 0	0.0000	0.49	Q					55+10	0.0000	0.39	Q				
50+ 5	0.0000	0.48	Q					55+15	0.0000	0.39	Q				
50+10	0.0000	0.48	Q					55+20	0.0000	0.39	Q				
50+15	0.0000	0.48	Q					55+25	0.0000	0.38	Q				
50+20	0.0000	0.48	Q					55+30	0.0000	0.38	Q				
50+25	0.0000	0.48	Q					55+35	0.0000	0.38	Q				
50+30	0.0000	0.48	Q					55+40	0.0000	0.37	Q				
50+35	0.0000	0.47	Q					55+45	0.0000	0.37	Q				
50+40	0.0000	0.47	Q					55+50	0.0000	0.37	Q				
50+45	0.0000	0.47	Q					55+55	0.0000	0.36	Q				
50+50	0.0000	0.47	Q					56+ 0	0.0000	0.36	Q				
50+55	0.0000	0.47	Q					56+ 5	0.0000	0.36	Q				
51+ 0	0.0000	0.47	Q					56+10	0.0000	0.35	Q				
51+ 5	0.0000	0.47	Q					56+15	0.0000	0.35	Q				
51+10	0.0000	0.46	Q					56+20	0.0000	0.35	Q				

56+25	0.0000	0.35	Q					61+35	0.0000	0.20	Q				
56+30	0.0000	0.34	Q					61+40	0.0000	0.20	Q				
56+35	0.0000	0.34	Q					61+45	0.0000	0.20	Q				
56+40	0.0000	0.34	Q					61+50	0.0000	0.20	Q				
56+45	0.0000	0.33	Q					61+55	0.0000	0.20	Q				
56+50	0.0000	0.33	Q					62+ 0	0.0000	0.19	Q				
56+55	0.0000	0.33	Q					62+ 5	0.0000	0.19	Q				
57+ 0	0.0000	0.33	Q					62+10	0.0000	0.19	Q				
57+ 5	0.0000	0.32	Q					62+15	0.0000	0.19	Q				
57+10	0.0000	0.32	Q					62+20	0.0000	0.19	Q				
57+15	0.0000	0.32	Q					62+25	0.0000	0.19	Q				
57+20	0.0000	0.31	Q					62+30	0.0000	0.18	Q				
57+25	0.0000	0.31	Q					62+35	0.0000	0.18	Q				
57+30	0.0000	0.31	Q					62+40	0.0000	0.18	Q				
57+35	0.0000	0.31	Q					62+45	0.0000	0.18	Q				
57+40	0.0000	0.30	Q					62+50	0.0000	0.18	Q				
57+45	0.0000	0.30	Q					62+55	0.0000	0.18	Q				
57+50	0.0000	0.30	Q					63+ 0	0.0000	0.17	Q				
57+55	0.0000	0.30	Q					63+ 5	0.0000	0.17	Q				
58+ 0	0.0000	0.29	Q					63+10	0.0000	0.17	Q				
58+ 5	0.0000	0.29	Q					63+15	0.0000	0.17	Q				
58+10	0.0000	0.29	Q					63+20	0.0000	0.17	Q				
58+15	0.0000	0.29	Q					63+25	0.0000	0.17	Q				
58+20	0.0000	0.28	Q					63+30	0.0000	0.17	Q				
58+25	0.0000	0.28	Q					63+35	0.0000	0.16	Q				
58+30	0.0000	0.28	Q					63+40	0.0000	0.16	Q				
58+35	0.0000	0.28	Q					63+45	0.0000	0.16	Q				
58+40	0.0000	0.27	Q					63+50	0.0000	0.16	Q				
58+45	0.0000	0.27	Q					63+55	0.0000	0.16	Q				
58+50	0.0000	0.27	Q					64+ 0	0.0000	0.16	Q				
58+55	0.0000	0.27	Q					64+ 5	0.0000	0.16	Q				
59+ 0	0.0000	0.26	Q					64+10	0.0000	0.15	Q				
59+ 5	0.0000	0.26	Q					64+15	0.0000	0.15	Q				
59+10	0.0000	0.26	Q					64+20	0.0000	0.15	Q				
59+15	0.0000	0.26	Q					64+25	0.0000	0.15	Q				
59+20	0.0000	0.26	Q					64+30	0.0000	0.15	Q				
59+25	0.0000	0.25	Q					64+35	0.0000	0.15	Q				
59+30	0.0000	0.25	Q					64+40	0.0000	0.15	Q				
59+35	0.0000	0.25	Q					64+45	0.0000	0.15	Q				
59+40	0.0000	0.25	Q					64+50	0.0000	0.14	Q				
59+45	0.0000	0.24	Q					64+55	0.0000	0.14	Q				
59+50	0.0000	0.24	Q					65+ 0	0.0000	0.14	Q				
59+55	0.0000	0.24	Q					65+ 5	0.0000	0.14	Q				
60+ 0	0.0000	0.24	Q					65+10	0.0000	0.14	Q				
60+ 5	0.0000	0.24	Q					65+15	0.0000	0.14	Q				
60+10	0.0000	0.23	Q					65+20	0.0000	0.14	Q				
60+15	0.0000	0.23	Q					65+25	0.0000	0.14	Q				
60+20	0.0000	0.23	Q					65+30	0.0000	0.13	Q				
60+25	0.0000	0.23	Q					65+35	0.0000	0.13	Q				
60+30	0.0000	0.23	Q					65+40	0.0000	0.13	Q				
60+35	0.0000	0.22	Q					65+45	0.0000	0.13	Q				
60+40	0.0000	0.22	Q					65+50	0.0000	0.13	Q				
60+45	0.0000	0.22	Q					65+55	0.0000	0.13	Q				
60+50	0.0000	0.22	Q					66+ 0	0.0000	0.13	Q				
60+55	0.0000	0.22	Q					66+ 5	0.0000	0.13	Q				
61+ 0	0.0000	0.21	Q					66+10	0.0000	0.13	Q				
61+ 5	0.0000	0.21	Q					66+15	0.0000	0.12	Q				
61+10	0.0000	0.21	Q					66+20	0.0000	0.12	Q				
61+15	0.0000	0.21	Q					66+25	0.0000	0.12	Q				
61+20	0.0000	0.21	Q					66+30	0.0000	0.12	Q				
61+25	0.0000	0.21	Q					66+35	0.0000	0.12	Q				
61+30	0.0000	0.20	Q					66+40	0.0000	0.12	Q				

66+45	0.0000	0.12	Q					71+55	0.0000	0.07	Q				
66+50	0.0000	0.12	Q					72+ 0	0.0000	0.07	Q				
66+55	0.0000	0.12	Q					72+ 5	0.0000	0.07	Q				
67+ 0	0.0000	0.12	Q					72+10	0.0000	0.07	Q				
67+ 5	0.0000	0.11	Q					72+15	0.0000	0.07	Q				
67+10	0.0000	0.11	Q					72+20	0.0000	0.07	Q				
67+15	0.0000	0.11	Q					72+25	0.0000	0.07	Q				
67+20	0.0000	0.11	Q					72+30	0.0000	0.07	Q				
67+25	0.0000	0.11	Q					72+35	0.0000	0.06	Q				
67+30	0.0000	0.11	Q					72+40	0.0000	0.06	Q				
67+35	0.0000	0.11	Q					72+45	0.0000	0.06	Q				
67+40	0.0000	0.11	Q					72+50	0.0000	0.06	Q				
67+45	0.0000	0.11	Q					72+55	0.0000	0.06	Q				
67+50	0.0000	0.11	Q					73+ 0	0.0000	0.06	Q				
67+55	0.0000	0.10	Q					73+ 5	0.0000	0.06	Q				
68+ 0	0.0000	0.10	Q					73+10	0.0000	0.06	Q				
68+ 5	0.0000	0.10	Q					73+15	0.0000	0.06	Q				
68+10	0.0000	0.10	Q					73+20	0.0000	0.06	Q				
68+15	0.0000	0.10	Q					73+25	0.0000	0.06	Q				
68+20	0.0000	0.10	Q					73+30	0.0000	0.06	Q				
68+25	0.0000	0.10	Q					73+35	0.0000	0.06	Q				
68+30	0.0000	0.10	Q					73+40	0.0000	0.06	Q				
68+35	0.0000	0.10	Q					73+45	0.0000	0.06	Q				
68+40	0.0000	0.10	Q					73+50	0.0000	0.06	Q				
68+45	0.0000	0.10	Q					73+55	0.0000	0.06	Q				
68+50	0.0000	0.10	Q					74+ 0	0.0000	0.06	Q				
68+55	0.0000	0.09	Q					74+ 5	0.0000	0.06	Q				
69+ 0	0.0000	0.09	Q					74+10	0.0000	0.05	Q				
69+ 5	0.0000	0.09	Q					74+15	0.0000	0.05	Q				
69+10	0.0000	0.09	Q					74+20	0.0000	0.05	Q				
69+15	0.0000	0.09	Q					74+25	0.0000	0.05	Q				
69+20	0.0000	0.09	Q					74+30	0.0000	0.05	Q				
69+25	0.0000	0.09	Q					74+35	0.0000	0.05	Q				
69+30	0.0000	0.09	Q					74+40	0.0000	0.05	Q				
69+35	0.0000	0.09	Q					74+45	0.0000	0.05	Q				
69+40	0.0000	0.09	Q					74+50	0.0000	0.05	Q				
69+45	0.0000	0.09	Q					74+55	0.0000	0.05	Q				
69+50	0.0000	0.09	Q					75+ 0	0.0000	0.05	Q				
69+55	0.0000	0.09	Q					75+ 5	0.0000	0.05	Q				
70+ 0	0.0000	0.08	Q					75+10	0.0000	0.05	Q				
70+ 5	0.0000	0.08	Q					75+15	0.0000	0.05	Q				
70+10	0.0000	0.08	Q					75+20	0.0000	0.05	Q				
70+15	0.0000	0.08	Q					75+25	0.0000	0.05	Q				
70+20	0.0000	0.08	Q					75+30	0.0000	0.05	Q				
70+25	0.0000	0.08	Q					75+35	0.0000	0.05	Q				
70+30	0.0000	0.08	Q					75+40	0.0000	0.05	Q				
70+35	0.0000	0.08	Q					75+45	0.0000	0.05	Q				
70+40	0.0000	0.08	Q					75+50	0.0000	0.05	Q				
70+45	0.0000	0.08	Q					75+55	0.0000	0.05	Q				
70+50	0.0000	0.08	Q					76+ 0	0.0000	0.05	Q				
70+55	0.0000	0.08	Q					76+ 5	0.0000	0.05	Q				
71+ 0	0.0000	0.08	Q					76+10	0.0000	0.04	Q				
71+ 5	0.0000	0.08	Q					76+15	0.0000	0.04	Q				
71+10	0.0000	0.07	Q					76+20	0.0000	0.04	Q				
71+15	0.0000	0.07	Q					76+25	0.0000	0.04	Q				
71+20	0.0000	0.07	Q					76+30	0.0000	0.04	Q				
71+25	0.0000	0.07	Q					76+35	0.0000	0.04	Q				
71+30	0.0000	0.07	Q					76+40	0.0000	0.04	Q				
71+35	0.0000	0.07	Q					76+45	0.0000	0.04	Q				
71+40	0.0000	0.07	Q					76+50	0.0000	0.04	Q				
71+45	0.0000	0.07	Q					76+55	0.0000	0.04	Q				
71+50	0.0000	0.07	Q					77+ 0	0.0000	0.04	Q				

77+ 5	0.0000	0.04	Q	|	|	|	|	82+15	0.0000	0.02	Q	|	|	|	|
77+10	0.0000	0.04	Q	|	|	|	|	82+20	0.0000	0.02	Q	|	|	|	|
77+15	0.0000	0.04	Q	|	|	|	|	82+25	0.0000	0.02	Q	|	|	|	|
77+20	0.0000	0.04	Q	|	|	|	|	82+30	0.0000	0.02	Q	|	|	|	|
77+25	0.0000	0.04	Q	|	|	|	|	82+35	0.0000	0.02	Q	|	|	|	|
77+30	0.0000	0.04	Q	|	|	|	|	82+40	0.0000	0.02	Q	|	|	|	|
77+35	0.0000	0.04	Q	|	|	|	|	82+45	0.0000	0.02	Q	|	|	|	|
77+40	0.0000	0.04	Q	|	|	|	|	82+50	0.0000	0.02	Q	|	|	|	|
77+45	0.0000	0.04	Q	|	|	|	|	82+55	0.0000	0.02	Q	|	|	|	|
77+50	0.0000	0.04	Q	|	|	|	|	83+ 0	0.0000	0.02	Q	|	|	|	|
77+55	0.0000	0.04	Q	|	|	|	|	83+ 5	0.0000	0.02	Q	|	|	|	|
78+ 0	0.0000	0.04	Q	|	|	|	|	83+10	0.0000	0.02	Q	|	|	|	|
78+ 5	0.0000	0.04	Q	|	|	|	|	83+15	0.0000	0.02	Q	|	|	|	|
78+10	0.0000	0.04	Q	|	|	|	|	83+20	0.0000	0.02	Q	|	|	|	|
78+15	0.0000	0.04	Q	|	|	|	|	83+25	0.0000	0.02	Q	|	|	|	|
78+20	0.0000	0.04	Q	|	|	|	|	83+30	0.0000	0.02	Q	|	|	|	|
78+25	0.0000	0.04	Q	|	|	|	|	83+35	0.0000	0.02	Q	|	|	|	|
78+30	0.0000	0.04	Q	|	|	|	|	83+40	0.0000	0.02	Q	|	|	|	|
78+35	0.0000	0.03	Q	|	|	|	|	83+45	0.0000	0.02	Q	|	|	|	|
78+40	0.0000	0.03	Q	|	|	|	|	83+50	0.0000	0.02	Q	|	|	|	|
78+45	0.0000	0.03	Q	|	|	|	|	83+55	0.0000	0.02	Q	|	|	|	|
78+50	0.0000	0.03	Q	|	|	|	|	84+ 0	0.0000	0.02	Q	|	|	|	|
78+55	0.0000	0.03	Q	|	|	|	|	84+ 5	0.0000	0.02	Q	|	|	|	|
79+ 0	0.0000	0.03	Q	|	|	|	|	84+10	0.0000	0.02	Q	|	|	|	|
79+ 5	0.0000	0.03	Q	|	|	|	|	84+15	0.0000	0.02	Q	|	|	|	|
79+10	0.0000	0.03	Q	|	|	|	|	84+20	0.0000	0.02	Q	|	|	|	|
79+15	0.0000	0.03	Q	|	|	|	|	84+25	0.0000	0.02	Q	|	|	|	|
79+20	0.0000	0.03	Q	|	|	|	|	84+30	0.0000	0.02	Q	|	|	|	|
79+25	0.0000	0.03	Q	|	|	|	|	84+35	0.0000	0.02	Q	|	|	|	|
79+30	0.0000	0.03	Q	|	|	|	|	84+40	0.0000	0.02	Q	|	|	|	|
79+35	0.0000	0.03	Q	|	|	|	|	84+45	0.0000	0.02	Q	|	|	|	|
79+40	0.0000	0.03	Q	|	|	|	|	84+50	0.0000	0.02	Q	|	|	|	|
79+45	0.0000	0.03	Q	|	|	|	|	84+55	0.0000	0.02	Q	|	|	|	|
79+50	0.0000	0.03	Q	|	|	|	|	85+ 0	0.0000	0.02	Q	|	|	|	|
79+55	0.0000	0.03	Q	|	|	|	|	85+ 5	0.0000	0.02	Q	|	|	|	|
80+ 0	0.0000	0.03	Q	|	|	|	|	85+10	0.0000	0.02	Q	|	|	|	|
80+ 5	0.0000	0.03	Q	|	|	|	|	85+15	0.0000	0.02	Q	|	|	|	|
80+10	0.0000	0.03	Q	|	|	|	|	85+20	0.0000	0.02	Q	|	|	|	|
80+15	0.0000	0.03	Q	|	|	|	|	85+25	0.0000	0.02	Q	|	|	|	|
80+20	0.0000	0.03	Q	|	|	|	|	85+30	0.0000	0.02	Q	|	|	|	|
80+25	0.0000	0.03	Q	|	|	|	|	85+35	0.0000	0.02	Q	|	|	|	|
80+30	0.0000	0.03	Q	|	|	|	|	85+40	0.0000	0.02	Q	|	|	|	|
80+35	0.0000	0.03	Q	|	|	|	|	85+45	0.0000	0.02	Q	|	|	|	|
80+40	0.0000	0.03	Q	|	|	|	|	85+50	0.0000	0.02	Q	|	|	|	|
80+45	0.0000	0.03	Q	|	|	|	|	85+55	0.0000	0.02	Q	|	|	|	|
80+50	0.0000	0.03	Q	|	|	|	|	86+ 0	0.0000	0.02	Q	|	|	|	|
80+55	0.0000	0.03	Q	|	|	|	|	86+ 5	0.0000	0.02	Q	|	|	|	|
81+ 0	0.0000	0.03	Q	|	|	|	|	86+10	0.0000	0.02	Q	|	|	|	|
81+ 5	0.0000	0.03	Q	|	|	|	|	86+15	0.0000	0.02	Q	|	|	|	|
81+10	0.0000	0.03	Q	|	|	|	|	86+20	0.0000	0.02	Q	|	|	|	|
81+15	0.0000	0.03	Q	|	|	|	|	86+25	0.0000	0.02	Q	|	|	|	|
81+20	0.0000	0.03	Q	|	|	|	|	86+30	0.0000	0.02	Q	|	|	|	|
81+25	0.0000	0.03	Q	|	|	|	|	86+35	0.0000	0.02	Q	|	|	|	|
81+30	0.0000	0.03	Q	|	|	|	|	86+40	0.0000	0.02	Q	|	|	|	|
81+35	0.0000	0.03	Q	|	|	|	|	86+45	0.0000	0.01	Q	|	|	|	|
81+40	0.0000	0.03	Q	|	|	|	|	86+50	0.0000	0.01	Q	|	|	|	|
81+45	0.0000	0.03	Q	|	|	|	|	86+55	0.0000	0.01	Q	|	|	|	|
81+50	0.0000	0.02	Q	|	|	|	|	87+ 0	0.0000	0.01	Q	|	|	|	|
81+55	0.0000	0.02	Q	|	|	|	|	87+ 5	0.0000	0.01	Q	|	|	|	|
82+ 0	0.0000	0.02	Q	|	|	|	|	87+10	0.0000	0.01	Q	|	|	|	|
82+ 5	0.0000	0.02	Q	|	|	|	|	87+15	0.0000	0.01	Q	|	|	|	|
82+10	0.0000	0.02	Q	|	|	|	|	87+20	0.0000	0.01	Q	|	|	|	|

87+25	0.0000	0.01	Q					92+35	0.0000	0.01	Q				
87+30	0.0000	0.01	Q					92+40	0.0000	0.01	Q				
87+35	0.0000	0.01	Q					92+45	0.0000	0.01	Q				
87+40	0.0000	0.01	Q					92+50	0.0000	0.01	Q				
87+45	0.0000	0.01	Q					92+55	0.0000	0.01	Q				
87+50	0.0000	0.01	Q					93+ 0	0.0000	0.01	Q				
87+55	0.0000	0.01	Q					93+ 5	0.0000	0.01	Q				
88+ 0	0.0000	0.01	Q					93+10	0.0000	0.01	Q				
88+ 5	0.0000	0.01	Q					93+15	0.0000	0.01	Q				
88+10	0.0000	0.01	Q					93+20	0.0000	0.01	Q				
88+15	0.0000	0.01	Q					93+25	0.0000	0.01	Q				
88+20	0.0000	0.01	Q					93+30	0.0000	0.01	Q				
88+25	0.0000	0.01	Q					93+35	0.0000	0.01	Q				
88+30	0.0000	0.01	Q					93+40	0.0000	0.01	Q				
88+35	0.0000	0.01	Q					93+45	0.0000	0.01	Q				
88+40	0.0000	0.01	Q					93+50	0.0000	0.01	Q				
88+45	0.0000	0.01	Q					93+55	0.0000	0.01	Q				
88+50	0.0000	0.01	Q					94+ 0	0.0000	0.01	Q				
88+55	0.0000	0.01	Q					94+ 5	0.0000	0.01	Q				
89+ 0	0.0000	0.01	Q					94+10	0.0000	0.01	Q				
89+ 5	0.0000	0.01	Q					94+15	0.0000	0.01	Q				
89+10	0.0000	0.01	Q					94+20	0.0000	0.01	Q				
89+15	0.0000	0.01	Q					94+25	0.0000	0.01	Q				
89+20	0.0000	0.01	Q					94+30	0.0000	0.01	Q				
89+25	0.0000	0.01	Q					94+35	0.0000	0.01	Q				
89+30	0.0000	0.01	Q					94+40	0.0000	0.01	Q				
89+35	0.0000	0.01	Q					94+45	0.0000	0.01	Q				
89+40	0.0000	0.01	Q					94+50	0.0000	0.01	Q				
89+45	0.0000	0.01	Q					94+55	0.0000	0.01	Q				
89+50	0.0000	0.01	Q					95+ 0	0.0000	0.01	Q				
89+55	0.0000	0.01	Q					95+ 5	0.0000	0.01	Q				
90+ 0	0.0000	0.01	Q					95+10	0.0000	0.01	Q				
90+ 5	0.0000	0.01	Q					95+15	0.0000	0.01	Q				
90+10	0.0000	0.01	Q					95+20	0.0000	0.01	Q				
90+15	0.0000	0.01	Q					95+25	0.0000	0.01	Q				
90+20	0.0000	0.01	Q					95+30	0.0000	0.01	Q				
90+25	0.0000	0.01	Q					95+35	0.0000	0.01	Q				
90+30	0.0000	0.01	Q					95+40	0.0000	0.01	Q				
90+35	0.0000	0.01	Q					95+45	0.0000	0.01	Q				
90+40	0.0000	0.01	Q					95+50	0.0000	0.01	Q				
90+45	0.0000	0.01	Q					95+55	0.0000	0.01	Q				
90+50	0.0000	0.01	Q					96+ 0	0.0000	0.01	Q				
90+55	0.0000	0.01	Q					96+ 5	0.0000	0.01	Q				
91+ 0	0.0000	0.01	Q					96+10	0.0000	0.01	Q				
91+ 5	0.0000	0.01	Q					96+15	0.0000	0.01	Q				
91+10	0.0000	0.01	Q					96+20	0.0000	0.01	Q				
91+15	0.0000	0.01	Q					96+25	0.0000	0.01	Q				
91+20	0.0000	0.01	Q					96+30	0.0000	0.01	Q				
91+25	0.0000	0.01	Q					96+35	0.0000	0.01	Q				
91+30	0.0000	0.01	Q					96+40	0.0000	0.01	Q				
91+35	0.0000	0.01	Q					96+45	0.0000	0.01	Q				
91+40	0.0000	0.01	Q					96+50	0.0000	0.01	Q				
91+45	0.0000	0.01	Q					96+55	0.0000	0.01	Q				
91+50	0.0000	0.01	Q					97+ 0	0.0000	0.01	Q				
91+55	0.0000	0.01	Q					97+ 5	0.0000	0.01	Q				
92+ 0	0.0000	0.01	Q					97+10	0.0000	0.01	Q				
92+ 5	0.0000	0.01	Q					97+15	0.0000	0.01	Q				
92+10	0.0000	0.01	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.01	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.01	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.01	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.01	Q					97+40	0.0000	0.00	Q				

97+45	0.0000	0.00	Q					102+55	0.0000	0.00	Q				
97+50	0.0000	0.00	Q					103+ 0	0.0000	0.00	Q				
97+55	0.0000	0.00	Q					103+ 5	0.0000	0.00	Q				
98+ 0	0.0000	0.00	Q					103+10	0.0000	0.00	Q				
98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				

```
 108+ 5       0.0000      0.00  Q         |         |         |         |
 108+10       0.0000      0.00  Q         |         |         |         |
 108+15       0.0000      0.00  Q         |         |         |         |
 108+20       0.0000      0.00  Q         |         |         |         |
 108+25       0.0000      0.00  Q         |         |         |         |
 108+30       0.0000      0.00  Q         |         |         |         |
 108+35       0.0000      0.00  Q         |         |         |         |
 108+40       0.0000      0.00  Q         |         |         |         |
 108+45       0.0000      0.00  Q         |         |         |         |
 108+50       0.0000      0.00  Q         |         |         |         |
 108+55       0.0000      0.00  Q         |         |         |         |
 109+ 0       0.0000      0.00  Q         |         |         |         |
 109+ 5       0.0000      0.00  Q         |         |         |         |
 109+10       0.0000      0.00  Q         |         |         |         |
 109+15       0.0000      0.00  Q         |         |         |         |
 109+20       0.0000      0.00  Q         |         |         |         |
 109+25       0.0000      0.00  Q         |         |         |         |
 109+30       0.0000      0.00  Q         |         |         |         |
 109+35       0.0000      0.00  Q         |         |         |         |
 109+40       0.0000      0.00  Q         |         |         |         |
 109+45       0.0000      0.00  Q         |         |         |         |
 109+50       0.0000      0.00  Q         |         |         |         |
 109+55       0.0000      0.00  Q         |         |         |         |
 110+ 0       0.0000      0.00  Q         |         |         |         |
 110+ 5       0.0000      0.00  Q         |         |         |         |
 110+10       0.0000      0.00  Q         |         |         |         |
 110+15       0.0000      0.00  Q         |         |         |         |
 110+20       0.0000      0.00  Q         |         |         |         |
 110+25       0.0000      0.00  Q         |         |         |         |
 110+30       0.0000      0.00  Q         |         |         |         |
 110+35       0.0000      0.00  Q         |         |         |         |
 110+40       0.0000      0.00  Q         |         |         |         |
 110+45       0.0000      0.00  Q         |         |         |         |
 110+50       0.0000      0.00  Q         |         |         |         |
 110+55       0.0000      0.00  Q         |         |         |         |
 111+ 0       0.0000      0.00  Q         |         |         |         |
 111+ 5       0.0000      0.00  Q         |         |         |         |
 111+10       0.0000      0.00  Q         |         |         |         |
 111+15       0.0000      0.00  Q         |         |         |         |
 111+20       0.0000      0.00  Q         |         |         |         |
 111+25       0.0000      0.00  Q         |         |         |         |
 111+30       0.0000      0.00  Q         |         |         |         |
 111+35       0.0000      0.00  Q         |         |         |         |
 111+40       0.0000      0.00  Q         |         |         |         |
 111+45       0.0000      0.00  Q         |         |         |         |
 111+50       0.0000      0.00  Q         |         |         |         |
 111+55       0.0000      0.00  Q         |         |         |         |
 112+ 0       0.0000      0.00  Q         |         |         |         |
 112+ 5       0.0000      0.00  Q         |         |         |         |
 112+10       0.0000      0.00  Q         |         |         |         |
 112+15       0.0000      0.00  Q         |         |         |         |
 112+20       0.0000      0.00  Q         |         |         |         |
 112+25       0.0000      0.00  Q         |         |         |         |
 112+30       0.0000      0.00  Q         |         |         |         |
 112+35       0.0000      0.00  Q         |         |         |         |
 112+40       0.0000      0.00  Q         |         |         |         |
 112+45       0.0000      0.00  Q         |         |         |         |
 112+50       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
       ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1354
                    Time interval =    5.0 (Min.)
```

```
                    Maximum/Peak flow rate =      379.374 (CFS)
                    Total volume =      40.086 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.168    15.218     1.682     0.000     0.000
             Vol (Ac.Ft)     0.252     5.634     2.911     0.000     0.000
      ************************************************************************

      ------------------------------------------------------------------------


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.200 to Point/Station       10.960
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      ________________________________________________________________________
      From stored stream number 1 the total
      volume of       0.25 (Ac.Ft) is being added to the
      current hydrograph at its original rate from user
      with a delay time to start of addition of    0.00 hours.
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals (CFS)

      ------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       94.9     189.8     284.7     379.5
------------------------------------------------------------------------
  0+ 5       0.0002      0.50  Q         |         |         |         |
  0+10       0.0006      2.08  Q         |         |         |         |
  0+15       0.0011      5.04  Q         |         |         |         |
  0+20       0.0017     11.62  qQ        |         |         |         |
  0+25       0.0023     15.84  qQ        |         |         |         |
  0+30       0.0031     18.64  qQ        |         |         |         |
  0+35       0.0041     23.28  q Q       |         |         |         |
  0+40       0.0051     27.63  q Q       |         |         |         |
  0+45       0.0062     34.28  q  Q      |         |         |         |
  0+50       0.0073     35.37  q  Q      |         |         |         |
  0+55       0.0082     39.58  q   Q     |         |         |         |
  1+ 0       0.0092     41.62  q   Q     |         |         |         |
  1+ 5       0.0105     40.03  q   Q     |         |         |         |
  1+10       0.0120     43.98  q   Q     |         |         |         |
  1+15       0.0137     52.80  q    Q    |         |         |         |
  1+20       0.0155     64.03  q     Q   |         |         |         |
  1+25       0.0173     70.75  q      Q  |         |         |         |
  1+30       0.0194     75.78  q      Q  |         |         |         |
  1+35       0.0217     80.07  q       Q |         |         |         |
  1+40       0.0240     92.51  q        Q|         |         |         |
  1+45       0.0266    102.49  q         Q         |         |         |
  1+50       0.0295    107.33  q         |Q        |         |         |
  1+55       0.0326    118.36  q         | Q       |         |         |
  2+ 0       0.0356    133.49  q         |   Q     |         |         |
  2+ 5       0.0386    138.57  q         |   Q     |         |         |
  2+10       0.0419    140.96  q         |   Q     |         |         |
  2+15       0.0463    151.53  q         |    Q    |         |         |
  2+20       0.0527    168.62  q         |      Q  |         |         |
  2+25       0.0666    201.08  q         |         |Q        |         |
  2+30       0.0848    238.02  q         |         |    Q    |         |
  2+35       0.1072    261.16  q         |         |      Q  |         |
  2+40       0.1307    331.05  q         |         |         |   Q     |
  2+45       0.1489    374.74  q         |         |         |        Q|
  2+50       0.1590    379.53  q         |         |         |         Q
```

2+55	0.1640	320.67	q	|	|	|	Q	|		8+ 5	0.1505	2.57	Q	|	|	|	|	
3+ 0	0.1667	222.62	q	|	|	Q	|	|		8+10	0.1503	2.57	Q	|	|	|	|	
3+ 5	0.1679	163.88	q	|	|	|	|	|		8+15	0.1500	2.57	Q	|	|	|	|	
3+10	0.1680	129.69	q	|	Q	|	|	|		8+20	0.1497	2.57	Q	|	|	|	|	
3+15	0.1678	97.33	q	|	|	Q	|	|		8+25	0.1494	2.56	Q	|	|	|	|	
3+20	0.1675	72.59	q	|	|	|	Q	|		8+30	0.1491	2.56	Q	|	|	|	|	
3+25	0.1672	55.42	q	|	|	|	Q	|		8+35	0.1489	2.56	Q	|	|	|	|	
3+30	0.1669	42.63	q	|	|	Q	|	|		8+40	0.1486	2.55	Q	|	|	|	|	
3+35	0.1665	32.07	q	|	Q	|	|	|		8+45	0.1483	2.55	Q	|	|	|	|	
3+40	0.1662	23.79	q	Q	|	|	|	|		8+50	0.1480	2.55	Q	|	|	|	|	
3+45	0.1659	17.54	qQ	|	|	|	|	|		8+55	0.1478	2.55	Q	|	|	|	|	
3+50	0.1656	13.47	qQ	|	|	|	|	|		9+ 0	0.1475	2.54	Q	|	|	|	|	
3+55	0.1653	11.05	qQ	|	|	|	|	|		9+ 5	0.1472	2.54	Q	|	|	|	|	
4+ 0	0.1650	9.37	Q	|	|	|	|	|		9+10	0.1469	2.54	Q	|	|	|	|	
4+ 5	0.1647	8.16	Q	|	|	|	|	|		9+15	0.1467	2.54	Q	|	|	|	|	
4+10	0.1644	7.25	Q	|	|	|	|	|		9+20	0.1464	2.53	Q	|	|	|	|	
4+15	0.1641	6.53	Q	|	|	|	|	|		9+25	0.1461	2.53	Q	|	|	|	|	
4+20	0.1638	5.55	Q	|	|	|	|	|		9+30	0.1458	2.53	Q	|	|	|	|	
4+25	0.1635	4.62	Q	|	|	|	|	|		9+35	0.1456	2.52	Q	|	|	|	|	
4+30	0.1632	3.92	Q	|	|	|	|	|		9+40	0.1453	2.52	Q	|	|	|	|	
4+35	0.1628	3.38	Q	|	|	|	|	|		9+45	0.1450	2.52	Q	|	|	|	|	
4+40	0.1625	3.00	Q	|	|	|	|	|		9+50	0.1447	2.52	Q	|	|	|	|	
4+45	0.1622	2.81	Q	|	|	|	|	|		9+55	0.1445	2.51	Q	|	|	|	|	
4+50	0.1619	2.74	Q	|	|	|	|	|		10+ 0	0.1442	2.51	Q	|	|	|	|	
4+55	0.1616	2.70	Q	|	|	|	|	|		10+ 5	0.1439	2.51	Q	|	|	|	|	
5+ 0	0.1613	2.68	Q	|	|	|	|	|		10+10	0.1437	2.51	Q	|	|	|	|	
5+ 5	0.1610	2.67	Q	|	|	|	|	|		10+15	0.1434	2.50	Q	|	|	|	|	
5+10	0.1607	2.67	Q	|	|	|	|	|		10+20	0.1431	2.50	Q	|	|	|	|	
5+15	0.1604	2.67	Q	|	|	|	|	|		10+25	0.1429	2.50	Q	|	|	|	|	
5+20	0.1601	2.67	Q	|	|	|	|	|		10+30	0.1426	2.49	Q	|	|	|	|	
5+25	0.1598	2.66	Q	|	|	|	|	|		10+35	0.1423	2.49	Q	|	|	|	|	
5+30	0.1595	2.66	Q	|	|	|	|	|		10+40	0.1421	2.49	Q	|	|	|	|	
5+35	0.1592	2.66	Q	|	|	|	|	|		10+45	0.1418	2.48	Q	|	|	|	|	
5+40	0.1589	2.66	Q	|	|	|	|	|		10+50	0.1415	2.48	Q	|	|	|	|	
5+45	0.1586	2.65	Q	|	|	|	|	|		10+55	0.1413	2.48	Q	|	|	|	|	
5+50	0.1583	2.65	Q	|	|	|	|	|		11+ 0	0.1410	2.47	Q	|	|	|	|	
5+55	0.1580	2.65	Q	|	|	|	|	|		11+ 5	0.1407	2.47	Q	|	|	|	|	
6+ 0	0.1578	2.64	Q	|	|	|	|	|		11+10	0.1405	2.47	Q	|	|	|	|	
6+ 5	0.1575	2.64	Q	|	|	|	|	|		11+15	0.1402	2.47	Q	|	|	|	|	
6+10	0.1572	2.64	Q	|	|	|	|	|		11+20	0.1400	2.46	Q	|	|	|	|	
6+15	0.1569	2.64	Q	|	|	|	|	|		11+25	0.1397	2.46	Q	|	|	|	|	
6+20	0.1566	2.63	Q	|	|	|	|	|		11+30	0.1394	2.46	Q	|	|	|	|	
6+25	0.1563	2.63	Q	|	|	|	|	|		11+35	0.1392	2.45	Q	|	|	|	|	
6+30	0.1560	2.63	Q	|	|	|	|	|		11+40	0.1389	2.45	Q	|	|	|	|	
6+35	0.1557	2.62	Q	|	|	|	|	|		11+45	0.1386	2.45	Q	|	|	|	|	
6+40	0.1554	2.62	Q	|	|	|	|	|		11+50	0.1384	2.44	Q	|	|	|	|	
6+45	0.1551	2.62	Q	|	|	|	|	|		11+55	0.1381	2.44	Q	|	|	|	|	
6+50	0.1548	2.62	Q	|	|	|	|	|		12+ 0	0.1379	2.44	Q	|	|	|	|	
6+55	0.1545	2.61	Q	|	|	|	|	|		12+ 5	0.1376	2.43	Q	|	|	|	|	
7+ 0	0.1542	2.61	Q	|	|	|	|	|		12+10	0.1374	2.43	Q	|	|	|	|	
7+ 5	0.1540	2.61	Q	|	|	|	|	|		12+15	0.1371	2.43	Q	|	|	|	|	
7+10	0.1537	2.60	Q	|	|	|	|	|		12+20	0.1368	2.43	Q	|	|	|	|	
7+15	0.1534	2.60	Q	|	|	|	|	|		12+25	0.1366	2.42	Q	|	|	|	|	
7+20	0.1531	2.60	Q	|	|	|	|	|		12+30	0.1363	2.42	Q	|	|	|	|	
7+25	0.1528	2.60	Q	|	|	|	|	|		12+35	0.1361	2.42	Q	|	|	|	|	
7+30	0.1525	2.59	Q	|	|	|	|	|		12+40	0.1358	2.41	Q	|	|	|	|	
7+35	0.1522	2.59	Q	|	|	|	|	|		12+45	0.1356	2.41	Q	|	|	|	|	
7+40	0.1520	2.59	Q	|	|	|	|	|		12+50	0.1353	2.41	Q	|	|	|	|	
7+45	0.1517	2.58	Q	|	|	|	|	|		12+55	0.1351	2.40	Q	|	|	|	|	
7+50	0.1514	2.58	Q	|	|	|	|	|		13+ 0	0.1348	2.40	Q	|	|	|	|	
7+55	0.1511	2.58	Q	|	|	|	|	|		13+ 5	0.1346	2.40	Q	|	|	|	|	
8+ 0	0.1508	2.58	Q	|	|	|	|	|		13+10	0.1343	2.40	Q	|	|	|	|	

13+15	0.1341	2.39	Q					18+25	0.1194	2.20	Q				
13+20	0.1338	2.39	Q					18+30	0.1192	2.20	Q				
13+25	0.1336	2.39	Q					18+35	0.1189	2.20	Q				
13+30	0.1333	2.38	Q					18+40	0.1187	2.19	Q				
13+35	0.1331	2.38	Q					18+45	0.1185	2.19	Q				
13+40	0.1328	2.38	Q					18+50	0.1183	2.19	Q				
13+45	0.1326	2.37	Q					18+55	0.1180	2.19	Q				
13+50	0.1323	2.37	Q					19+ 0	0.1178	2.18	Q				
13+55	0.1321	2.37	Q					19+ 5	0.1176	2.18	Q				
14+ 0	0.1318	2.37	Q					19+10	0.1174	2.18	Q				
14+ 5	0.1316	2.36	Q					19+15	0.1172	2.17	Q				
14+10	0.1313	2.36	Q					19+20	0.1169	2.17	Q				
14+15	0.1311	2.36	Q					19+25	0.1167	2.17	Q				
14+20	0.1308	2.35	Q					19+30	0.1165	2.16	Q				
14+25	0.1306	2.35	Q					19+35	0.1163	2.16	Q				
14+30	0.1303	2.35	Q					19+40	0.1161	2.16	Q				
14+35	0.1301	2.34	Q					19+45	0.1159	2.16	Q				
14+40	0.1299	2.34	Q					19+50	0.1156	2.15	Q				
14+45	0.1296	2.34	Q					19+55	0.1154	2.15	Q				
14+50	0.1294	2.34	Q					20+ 0	0.1152	2.14	Q				
14+55	0.1291	2.33	Q					20+ 5	0.1150	2.14	Q				
15+ 0	0.1289	2.33	Q					20+10	0.1148	2.14	Q				
15+ 5	0.1287	2.33	Q					20+15	0.1146	2.13	Q				
15+10	0.1284	2.32	Q					20+20	0.1143	2.13	Q				
15+15	0.1282	2.32	Q					20+25	0.1141	2.13	Q				
15+20	0.1279	2.32	Q					20+30	0.1139	2.12	Q				
15+25	0.1277	2.31	Q					20+35	0.1137	2.12	Q				
15+30	0.1275	2.31	Q					20+40	0.1135	2.11	Q				
15+35	0.1272	2.31	Q					20+45	0.1133	2.11	Q				
15+40	0.1270	2.30	Q					20+50	0.1131	2.11	Q				
15+45	0.1267	2.30	Q					20+55	0.1129	2.10	Q				
15+50	0.1265	2.30	Q					21+ 0	0.1126	2.10	Q				
15+55	0.1263	2.30	Q					21+ 5	0.1124	2.10	Q				
16+ 0	0.1260	2.29	Q					21+10	0.1122	2.09	Q				
16+ 5	0.1258	2.29	Q					21+15	0.1120	2.09	Q				
16+10	0.1256	2.29	Q					21+20	0.1118	2.08	Q				
16+15	0.1253	2.28	Q					21+25	0.1116	2.08	Q				
16+20	0.1251	2.28	Q					21+30	0.1114	2.08	Q				
16+25	0.1249	2.28	Q					21+35	0.1112	2.07	Q				
16+30	0.1246	2.27	Q					21+40	0.1110	2.07	Q				
16+35	0.1244	2.27	Q					21+45	0.1108	2.07	Q				
16+40	0.1242	2.27	Q					21+50	0.1106	2.06	Q				
16+45	0.1239	2.26	Q					21+55	0.1104	2.06	Q				
16+50	0.1237	2.26	Q					22+ 0	0.1101	2.06	Q				
16+55	0.1235	2.26	Q					22+ 5	0.1099	2.05	Q				
17+ 0	0.1232	2.25	Q					22+10	0.1097	2.05	Q				
17+ 5	0.1230	2.25	Q					22+15	0.1095	2.04	Q				
17+10	0.1228	2.25	Q					22+20	0.1093	2.04	Q				
17+15	0.1225	2.25	Q					22+25	0.1091	2.04	Q				
17+20	0.1223	2.24	Q					22+30	0.1089	2.03	Q				
17+25	0.1221	2.24	Q					22+35	0.1087	2.03	Q				
17+30	0.1219	2.24	Q					22+40	0.1085	2.03	Q				
17+35	0.1216	2.23	Q					22+45	0.1083	2.02	Q				
17+40	0.1214	2.23	Q					22+50	0.1081	2.02	Q				
17+45	0.1212	2.23	Q					22+55	0.1079	2.02	Q				
17+50	0.1209	2.22	Q					23+ 0	0.1077	2.01	Q				
17+55	0.1207	2.22	Q					23+ 5	0.1075	2.01	Q				
18+ 0	0.1205	2.22	Q					23+10	0.1073	2.01	Q				
18+ 5	0.1203	2.22	Q					23+15	0.1071	2.00	Q				
18+10	0.1200	2.21	Q					23+20	0.1069	2.00	Q				
18+15	0.1198	2.21	Q					23+25	0.1067	1.99	Q				
18+20	0.1196	2.21	Q					23+30	0.1065	1.99	Q				

23+35	0.1063	1.99	Q	|	|	|	|	28+45	0.0000	1.66	Q	|	|	|	|
23+40	0.1061	1.98	Q	|	|	|	|	28+50	0.0000	1.66	Q	|	|	|	|
23+45	0.1059	1.98	Q	|	|	|	|	28+55	0.0000	1.65	Q	|	|	|	|
23+50	0.1057	1.98	Q	|	|	|	|	29+ 0	0.0000	1.65	Q	|	|	|	|
23+55	0.1055	1.97	Q	|	|	|	|	29+ 5	0.0000	1.65	Q	|	|	|	|
24+ 0	0.1053	1.97	Q	|	|	|	|	29+10	0.0000	1.64	Q	|	|	|	|
24+ 5	0.1051	1.97	Q	|	|	|	|	29+15	0.0000	1.64	Q	|	|	|	|
24+10	0.1049	1.96	Q	|	|	|	|	29+20	0.0000	1.63	Q	|	|	|	|
24+15	0.1047	1.96	Q	|	|	|	|	29+25	0.0000	1.63	Q	|	|	|	|
24+20	0.1045	1.96	Q	|	|	|	|	29+30	0.0000	1.62	Q	|	|	|	|
24+25	0.1043	1.95	Q	|	|	|	|	29+35	0.0000	1.62	Q	|	|	|	|
24+30	0.1041	1.95	Q	|	|	|	|	29+40	0.0000	1.61	Q	|	|	|	|
24+35	0.1039	1.94	Q	|	|	|	|	29+45	0.0000	1.61	Q	|	|	|	|
24+40	0.1037	1.94	Q	|	|	|	|	29+50	0.0000	1.61	Q	|	|	|	|
24+45	0.1036	1.94	Q	|	|	|	|	29+55	0.0000	1.60	Q	|	|	|	|
24+50	0.1034	1.93	Q	|	|	|	|	30+ 0	0.0000	1.60	Q	|	|	|	|
24+55	0.1032	1.93	Q	|	|	|	|	30+ 5	0.0000	1.59	Q	|	|	|	|
25+ 0	0.1030	1.93	Q	|	|	|	|	30+10	0.0000	1.59	Q	|	|	|	|
25+ 5	0.0000	1.82	Q	|	|	|	|	30+15	0.0000	1.58	Q	|	|	|	|
25+10	0.0000	1.81	Q	|	|	|	|	30+20	0.0000	1.58	Q	|	|	|	|
25+15	0.0000	1.81	Q	|	|	|	|	30+25	0.0000	1.58	Q	|	|	|	|
25+20	0.0000	1.81	Q	|	|	|	|	30+30	0.0000	1.57	Q	|	|	|	|
25+25	0.0000	1.80	Q	|	|	|	|	30+35	0.0000	1.57	Q	|	|	|	|
25+30	0.0000	1.80	Q	|	|	|	|	30+40	0.0000	1.56	Q	|	|	|	|
25+35	0.0000	1.80	Q	|	|	|	|	30+45	0.0000	1.56	Q	|	|	|	|
25+40	0.0000	1.79	Q	|	|	|	|	30+50	0.0000	1.55	Q	|	|	|	|
25+45	0.0000	1.79	Q	|	|	|	|	30+55	0.0000	1.55	Q	|	|	|	|
25+50	0.0000	1.79	Q	|	|	|	|	31+ 0	0.0000	1.54	Q	|	|	|	|
25+55	0.0000	1.78	Q	|	|	|	|	31+ 5	0.0000	1.54	Q	|	|	|	|
26+ 0	0.0000	1.78	Q	|	|	|	|	31+10	0.0000	1.54	Q	|	|	|	|
26+ 5	0.0000	1.77	Q	|	|	|	|	31+15	0.0000	1.53	Q	|	|	|	|
26+10	0.0000	1.77	Q	|	|	|	|	31+20	0.0000	1.53	Q	|	|	|	|
26+15	0.0000	1.77	Q	|	|	|	|	31+25	0.0000	1.52	Q	|	|	|	|
26+20	0.0000	1.76	Q	|	|	|	|	31+30	0.0000	1.52	Q	|	|	|	|
26+25	0.0000	1.76	Q	|	|	|	|	31+35	0.0000	1.51	Q	|	|	|	|
26+30	0.0000	1.76	Q	|	|	|	|	31+40	0.0000	1.51	Q	|	|	|	|
26+35	0.0000	1.75	Q	|	|	|	|	31+45	0.0000	1.51	Q	|	|	|	|
26+40	0.0000	1.75	Q	|	|	|	|	31+50	0.0000	1.50	Q	|	|	|	|
26+45	0.0000	1.75	Q	|	|	|	|	31+55	0.0000	1.50	Q	|	|	|	|
26+50	0.0000	1.74	Q	|	|	|	|	32+ 0	0.0000	1.49	Q	|	|	|	|
26+55	0.0000	1.74	Q	|	|	|	|	32+ 5	0.0000	1.49	Q	|	|	|	|
27+ 0	0.0000	1.73	Q	|	|	|	|	32+10	0.0000	1.49	Q	|	|	|	|
27+ 5	0.0000	1.73	Q	|	|	|	|	32+15	0.0000	1.48	Q	|	|	|	|
27+10	0.0000	1.73	Q	|	|	|	|	32+20	0.0000	1.48	Q	|	|	|	|
27+15	0.0000	1.72	Q	|	|	|	|	32+25	0.0000	1.47	Q	|	|	|	|
27+20	0.0000	1.72	Q	|	|	|	|	32+30	0.0000	1.47	Q	|	|	|	|
27+25	0.0000	1.72	Q	|	|	|	|	32+35	0.0000	1.47	Q	|	|	|	|
27+30	0.0000	1.71	Q	|	|	|	|	32+40	0.0000	1.46	Q	|	|	|	|
27+35	0.0000	1.71	Q	|	|	|	|	32+45	0.0000	1.46	Q	|	|	|	|
27+40	0.0000	1.71	Q	|	|	|	|	32+50	0.0000	1.45	Q	|	|	|	|
27+45	0.0000	1.70	Q	|	|	|	|	32+55	0.0000	1.45	Q	|	|	|	|
27+50	0.0000	1.70	Q	|	|	|	|	33+ 0	0.0000	1.45	Q	|	|	|	|
27+55	0.0000	1.70	Q	|	|	|	|	33+ 5	0.0000	1.44	Q	|	|	|	|
28+ 0	0.0000	1.69	Q	|	|	|	|	33+10	0.0000	1.44	Q	|	|	|	|
28+ 5	0.0000	1.69	Q	|	|	|	|	33+15	0.0000	1.43	Q	|	|	|	|
28+10	0.0000	1.69	Q	|	|	|	|	33+20	0.0000	1.43	Q	|	|	|	|
28+15	0.0000	1.68	Q	|	|	|	|	33+25	0.0000	1.43	Q	|	|	|	|
28+20	0.0000	1.68	Q	|	|	|	|	33+30	0.0000	1.42	Q	|	|	|	|
28+25	0.0000	1.67	Q	|	|	|	|	33+35	0.0000	1.42	Q	|	|	|	|
28+30	0.0000	1.67	Q	|	|	|	|	33+40	0.0000	1.41	Q	|	|	|	|
28+35	0.0000	1.67	Q	|	|	|	|	33+45	0.0000	1.41	Q	|	|	|	|
28+40	0.0000	1.66	Q	|	|	|	|	33+50	0.0000	1.40	Q	|	|	|	|

33+55	0.0000	1.40	Q					39+ 5	0.0000	1.08	Q				
34+ 0	0.0000	1.39	Q					39+10	0.0000	1.08	Q				
34+ 5	0.0000	1.39	Q					39+15	0.0000	1.07	Q				
34+10	0.0000	1.38	Q					39+20	0.0000	1.06	Q				
34+15	0.0000	1.38	Q					39+25	0.0000	1.05	Q				
34+20	0.0000	1.37	Q					39+30	0.0000	1.04	Q				
34+25	0.0000	1.37	Q					39+35	0.0000	1.03	Q				
34+30	0.0000	1.36	Q					39+40	0.0000	1.02	Q				
34+35	0.0000	1.36	Q					39+45	0.0000	1.01	Q				
34+40	0.0000	1.35	Q					39+50	0.0000	1.01	Q				
34+45	0.0000	1.35	Q					39+55	0.0000	1.00	Q				
34+50	0.0000	1.34	Q					40+ 0	0.0000	0.99	Q				
34+55	0.0000	1.34	Q					40+ 5	0.0000	0.98	Q				
35+ 0	0.0000	1.33	Q					40+10	0.0000	0.97	Q				
35+ 5	0.0000	1.33	Q					40+15	0.0000	0.97	Q				
35+10	0.0000	1.32	Q					40+20	0.0000	0.96	Q				
35+15	0.0000	1.32	Q					40+25	0.0000	0.95	Q				
35+20	0.0000	1.31	Q					40+30	0.0000	0.94	Q				
35+25	0.0000	1.31	Q					40+35	0.0000	0.93	Q				
35+30	0.0000	1.30	Q					40+40	0.0000	0.93	Q				
35+35	0.0000	1.30	Q					40+45	0.0000	0.92	Q				
35+40	0.0000	1.29	Q					40+50	0.0000	0.91	Q				
35+45	0.0000	1.29	Q					40+55	0.0000	0.90	Q				
35+50	0.0000	1.28	Q					41+ 0	0.0000	0.90	Q				
35+55	0.0000	1.28	Q					41+ 5	0.0000	0.89	Q				
36+ 0	0.0000	1.27	Q					41+10	0.0000	0.88	Q				
36+ 5	0.0000	1.27	Q					41+15	0.0000	0.88	Q				
36+10	0.0000	1.26	Q					41+20	0.0000	0.87	Q				
36+15	0.0000	1.26	Q					41+25	0.0000	0.86	Q				
36+20	0.0000	1.25	Q					41+30	0.0000	0.85	Q				
36+25	0.0000	1.25	Q					41+35	0.0000	0.85	Q				
36+30	0.0000	1.24	Q					41+40	0.0000	0.84	Q				
36+35	0.0000	1.24	Q					41+45	0.0000	0.83	Q				
36+40	0.0000	1.23	Q					41+50	0.0000	0.83	Q				
36+45	0.0000	1.23	Q					41+55	0.0000	0.82	Q				
36+50	0.0000	1.22	Q					42+ 0	0.0000	0.81	Q				
36+55	0.0000	1.22	Q					42+ 5	0.0000	0.81	Q				
37+ 0	0.0000	1.21	Q					42+10	0.0000	0.80	Q				
37+ 5	0.0000	1.21	Q					42+15	0.0000	0.79	Q				
37+10	0.0000	1.20	Q					42+20	0.0000	0.79	Q				
37+15	0.0000	1.20	Q					42+25	0.0000	0.78	Q				
37+20	0.0000	1.20	Q					42+30	0.0000	0.77	Q				
37+25	0.0000	1.19	Q					42+35	0.0000	0.77	Q				
37+30	0.0000	1.19	Q					42+40	0.0000	0.76	Q				
37+35	0.0000	1.18	Q					42+45	0.0000	0.75	Q				
37+40	0.0000	1.18	Q					42+50	0.0000	0.75	Q				
37+45	0.0000	1.17	Q					42+55	0.0000	0.74	Q				
37+50	0.0000	1.17	Q					43+ 0	0.0000	0.74	Q				
37+55	0.0000	1.16	Q					43+ 5	0.0000	0.73	Q				
38+ 0	0.0000	1.16	Q					43+10	0.0000	0.72	Q				
38+ 5	0.0000	1.15	Q					43+15	0.0000	0.72	Q				
38+10	0.0000	1.15	Q					43+20	0.0000	0.71	Q				
38+15	0.0000	1.15	Q					43+25	0.0000	0.71	Q				
38+20	0.0000	1.14	Q					43+30	0.0000	0.70	Q				
38+25	0.0000	1.14	Q					43+35	0.0000	0.70	Q				
38+30	0.0000	1.13	Q					43+40	0.0000	0.69	Q				
38+35	0.0000	1.13	Q					43+45	0.0000	0.68	Q				
38+40	0.0000	1.12	Q					43+50	0.0000	0.68	Q				
38+45	0.0000	1.12	Q					43+55	0.0000	0.67	Q				
38+50	0.0000	1.11	Q					44+ 0	0.0000	0.67	Q				
38+55	0.0000	1.10	Q					44+ 5	0.0000	0.66	Q				
39+ 0	0.0000	1.09	Q					44+10	0.0000	0.66	Q				

44+15	0.0000	0.65	Q					49+25	0.0000	0.50	Q				
44+20	0.0000	0.65	Q					49+30	0.0000	0.50	Q				
44+25	0.0000	0.64	Q					49+35	0.0000	0.49	Q				
44+30	0.0000	0.63	Q					49+40	0.0000	0.49	Q				
44+35	0.0000	0.63	Q					49+45	0.0000	0.49	Q				
44+40	0.0000	0.62	Q					49+50	0.0000	0.49	Q				
44+45	0.0000	0.62	Q					49+55	0.0000	0.49	Q				
44+50	0.0000	0.61	Q					50+ 0	0.0000	0.49	Q				
44+55	0.0000	0.61	Q					50+ 5	0.0000	0.48	Q				
45+ 0	0.0000	0.60	Q					50+10	0.0000	0.48	Q				
45+ 5	0.0000	0.60	Q					50+15	0.0000	0.48	Q				
45+10	0.0000	0.59	Q					50+20	0.0000	0.48	Q				
45+15	0.0000	0.59	Q					50+25	0.0000	0.48	Q				
45+20	0.0000	0.58	Q					50+30	0.0000	0.48	Q				
45+25	0.0000	0.58	Q					50+35	0.0000	0.47	Q				
45+30	0.0000	0.58	Q					50+40	0.0000	0.47	Q				
45+35	0.0000	0.58	Q					50+45	0.0000	0.47	Q				
45+40	0.0000	0.57	Q					50+50	0.0000	0.47	Q				
45+45	0.0000	0.57	Q					50+55	0.0000	0.47	Q				
45+50	0.0000	0.57	Q					51+ 0	0.0000	0.47	Q				
45+55	0.0000	0.57	Q					51+ 5	0.0000	0.47	Q				
46+ 0	0.0000	0.57	Q					51+10	0.0000	0.46	Q				
46+ 5	0.0000	0.57	Q					51+15	0.0000	0.46	Q				
46+10	0.0000	0.56	Q					51+20	0.0000	0.46	Q				
46+15	0.0000	0.56	Q					51+25	0.0000	0.46	Q				
46+20	0.0000	0.56	Q					51+30	0.0000	0.46	Q				
46+25	0.0000	0.56	Q					51+35	0.0000	0.46	Q				
46+30	0.0000	0.56	Q					51+40	0.0000	0.46	Q				
46+35	0.0000	0.55	Q					51+45	0.0000	0.45	Q				
46+40	0.0000	0.55	Q					51+50	0.0000	0.45	Q				
46+45	0.0000	0.55	Q					51+55	0.0000	0.45	Q				
46+50	0.0000	0.55	Q					52+ 0	0.0000	0.45	Q				
46+55	0.0000	0.55	Q					52+ 5	0.0000	0.45	Q				
47+ 0	0.0000	0.55	Q					52+10	0.0000	0.45	Q				
47+ 5	0.0000	0.54	Q					52+15	0.0000	0.45	Q				
47+10	0.0000	0.54	Q					52+20	0.0000	0.44	Q				
47+15	0.0000	0.54	Q					52+25	0.0000	0.44	Q				
47+20	0.0000	0.54	Q					52+30	0.0000	0.44	Q				
47+25	0.0000	0.54	Q					52+35	0.0000	0.44	Q				
47+30	0.0000	0.54	Q					52+40	0.0000	0.44	Q				
47+35	0.0000	0.53	Q					52+45	0.0000	0.44	Q				
47+40	0.0000	0.53	Q					52+50	0.0000	0.44	Q				
47+45	0.0000	0.53	Q					52+55	0.0000	0.43	Q				
47+50	0.0000	0.53	Q					53+ 0	0.0000	0.43	Q				
47+55	0.0000	0.53	Q					53+ 5	0.0000	0.43	Q				
48+ 0	0.0000	0.52	Q					53+10	0.0000	0.43	Q				
48+ 5	0.0000	0.52	Q					53+15	0.0000	0.43	Q				
48+10	0.0000	0.52	Q					53+20	0.0000	0.43	Q				
48+15	0.0000	0.52	Q					53+25	0.0000	0.43	Q				
48+20	0.0000	0.52	Q					53+30	0.0000	0.42	Q				
48+25	0.0000	0.52	Q					53+35	0.0000	0.42	Q				
48+30	0.0000	0.51	Q					53+40	0.0000	0.42	Q				
48+35	0.0000	0.51	Q					53+45	0.0000	0.42	Q				
48+40	0.0000	0.51	Q					53+50	0.0000	0.42	Q				
48+45	0.0000	0.51	Q					53+55	0.0000	0.42	Q				
48+50	0.0000	0.51	Q					54+ 0	0.0000	0.42	Q				
48+55	0.0000	0.51	Q					54+ 5	0.0000	0.41	Q				
49+ 0	0.0000	0.50	Q					54+10	0.0000	0.41	Q				
49+ 5	0.0000	0.50	Q					54+15	0.0000	0.41	Q				
49+10	0.0000	0.50	Q					54+20	0.0000	0.41	Q				
49+15	0.0000	0.50	Q					54+25	0.0000	0.41	Q				
49+20	0.0000	0.50	Q					54+30	0.0000	0.41	Q				

54+35	0.0000	0.41	Q					59+45	0.0000	0.24	Q				
54+40	0.0000	0.41	Q					59+50	0.0000	0.24	Q				
54+45	0.0000	0.40	Q					59+55	0.0000	0.24	Q				
54+50	0.0000	0.40	Q					60+ 0	0.0000	0.24	Q				
54+55	0.0000	0.40	Q					60+ 5	0.0000	0.24	Q				
55+ 0	0.0000	0.40	Q					60+10	0.0000	0.23	Q				
55+ 5	0.0000	0.40	Q					60+15	0.0000	0.23	Q				
55+10	0.0000	0.39	Q					60+20	0.0000	0.23	Q				
55+15	0.0000	0.39	Q					60+25	0.0000	0.23	Q				
55+20	0.0000	0.39	Q					60+30	0.0000	0.23	Q				
55+25	0.0000	0.38	Q					60+35	0.0000	0.22	Q				
55+30	0.0000	0.38	Q					60+40	0.0000	0.22	Q				
55+35	0.0000	0.38	Q					60+45	0.0000	0.22	Q				
55+40	0.0000	0.37	Q					60+50	0.0000	0.22	Q				
55+45	0.0000	0.37	Q					60+55	0.0000	0.22	Q				
55+50	0.0000	0.37	Q					61+ 0	0.0000	0.21	Q				
55+55	0.0000	0.36	Q					61+ 5	0.0000	0.21	Q				
56+ 0	0.0000	0.36	Q					61+10	0.0000	0.21	Q				
56+ 5	0.0000	0.36	Q					61+15	0.0000	0.21	Q				
56+10	0.0000	0.35	Q					61+20	0.0000	0.21	Q				
56+15	0.0000	0.35	Q					61+25	0.0000	0.21	Q				
56+20	0.0000	0.35	Q					61+30	0.0000	0.20	Q				
56+25	0.0000	0.35	Q					61+35	0.0000	0.20	Q				
56+30	0.0000	0.34	Q					61+40	0.0000	0.20	Q				
56+35	0.0000	0.34	Q					61+45	0.0000	0.20	Q				
56+40	0.0000	0.34	Q					61+50	0.0000	0.20	Q				
56+45	0.0000	0.33	Q					61+55	0.0000	0.20	Q				
56+50	0.0000	0.33	Q					62+ 0	0.0000	0.19	Q				
56+55	0.0000	0.33	Q					62+ 5	0.0000	0.19	Q				
57+ 0	0.0000	0.33	Q					62+10	0.0000	0.19	Q				
57+ 5	0.0000	0.32	Q					62+15	0.0000	0.19	Q				
57+10	0.0000	0.32	Q					62+20	0.0000	0.19	Q				
57+15	0.0000	0.32	Q					62+25	0.0000	0.19	Q				
57+20	0.0000	0.31	Q					62+30	0.0000	0.18	Q				
57+25	0.0000	0.31	Q					62+35	0.0000	0.18	Q				
57+30	0.0000	0.31	Q					62+40	0.0000	0.18	Q				
57+35	0.0000	0.31	Q					62+45	0.0000	0.18	Q				
57+40	0.0000	0.30	Q					62+50	0.0000	0.18	Q				
57+45	0.0000	0.30	Q					62+55	0.0000	0.18	Q				
57+50	0.0000	0.30	Q					63+ 0	0.0000	0.17	Q				
57+55	0.0000	0.30	Q					63+ 5	0.0000	0.17	Q				
58+ 0	0.0000	0.29	Q					63+10	0.0000	0.17	Q				
58+ 5	0.0000	0.29	Q					63+15	0.0000	0.17	Q				
58+10	0.0000	0.29	Q					63+20	0.0000	0.17	Q				
58+15	0.0000	0.29	Q					63+25	0.0000	0.17	Q				
58+20	0.0000	0.28	Q					63+30	0.0000	0.17	Q				
58+25	0.0000	0.28	Q					63+35	0.0000	0.16	Q				
58+30	0.0000	0.28	Q					63+40	0.0000	0.16	Q				
58+35	0.0000	0.28	Q					63+45	0.0000	0.16	Q				
58+40	0.0000	0.27	Q					63+50	0.0000	0.16	Q				
58+45	0.0000	0.27	Q					63+55	0.0000	0.16	Q				
58+50	0.0000	0.27	Q					64+ 0	0.0000	0.16	Q				
58+55	0.0000	0.27	Q					64+ 5	0.0000	0.16	Q				
59+ 0	0.0000	0.26	Q					64+10	0.0000	0.15	Q				
59+ 5	0.0000	0.26	Q					64+15	0.0000	0.15	Q				
59+10	0.0000	0.26	Q					64+20	0.0000	0.15	Q				
59+15	0.0000	0.26	Q					64+25	0.0000	0.15	Q				
59+20	0.0000	0.26	Q					64+30	0.0000	0.15	Q				
59+25	0.0000	0.25	Q					64+35	0.0000	0.15	Q				
59+30	0.0000	0.25	Q					64+40	0.0000	0.15	Q				
59+35	0.0000	0.25	Q					64+45	0.0000	0.15	Q				
59+40	0.0000	0.25	Q					64+50	0.0000	0.14	Q				

64+55	0.0000	0.14	Q					70+ 5	0.0000	0.08	Q				
65+ 0	0.0000	0.14	Q					70+10	0.0000	0.08	Q				
65+ 5	0.0000	0.14	Q					70+15	0.0000	0.08	Q				
65+10	0.0000	0.14	Q					70+20	0.0000	0.08	Q				
65+15	0.0000	0.14	Q					70+25	0.0000	0.08	Q				
65+20	0.0000	0.14	Q					70+30	0.0000	0.08	Q				
65+25	0.0000	0.14	Q					70+35	0.0000	0.08	Q				
65+30	0.0000	0.13	Q					70+40	0.0000	0.08	Q				
65+35	0.0000	0.13	Q					70+45	0.0000	0.08	Q				
65+40	0.0000	0.13	Q					70+50	0.0000	0.08	Q				
65+45	0.0000	0.13	Q					70+55	0.0000	0.08	Q				
65+50	0.0000	0.13	Q					71+ 0	0.0000	0.08	Q				
65+55	0.0000	0.13	Q					71+ 5	0.0000	0.08	Q				
66+ 0	0.0000	0.13	Q					71+10	0.0000	0.07	Q				
66+ 5	0.0000	0.13	Q					71+15	0.0000	0.07	Q				
66+10	0.0000	0.13	Q					71+20	0.0000	0.07	Q				
66+15	0.0000	0.12	Q					71+25	0.0000	0.07	Q				
66+20	0.0000	0.12	Q					71+30	0.0000	0.07	Q				
66+25	0.0000	0.12	Q					71+35	0.0000	0.07	Q				
66+30	0.0000	0.12	Q					71+40	0.0000	0.07	Q				
66+35	0.0000	0.12	Q					71+45	0.0000	0.07	Q				
66+40	0.0000	0.12	Q					71+50	0.0000	0.07	Q				
66+45	0.0000	0.12	Q					71+55	0.0000	0.07	Q				
66+50	0.0000	0.12	Q					72+ 0	0.0000	0.07	Q				
66+55	0.0000	0.12	Q					72+ 5	0.0000	0.07	Q				
67+ 0	0.0000	0.12	Q					72+10	0.0000	0.07	Q				
67+ 5	0.0000	0.11	Q					72+15	0.0000	0.07	Q				
67+10	0.0000	0.11	Q					72+20	0.0000	0.07	Q				
67+15	0.0000	0.11	Q					72+25	0.0000	0.07	Q				
67+20	0.0000	0.11	Q					72+30	0.0000	0.07	Q				
67+25	0.0000	0.11	Q					72+35	0.0000	0.06	Q				
67+30	0.0000	0.11	Q					72+40	0.0000	0.06	Q				
67+35	0.0000	0.11	Q					72+45	0.0000	0.06	Q				
67+40	0.0000	0.11	Q					72+50	0.0000	0.06	Q				
67+45	0.0000	0.11	Q					72+55	0.0000	0.06	Q				
67+50	0.0000	0.11	Q					73+ 0	0.0000	0.06	Q				
67+55	0.0000	0.10	Q					73+ 5	0.0000	0.06	Q				
68+ 0	0.0000	0.10	Q					73+10	0.0000	0.06	Q				
68+ 5	0.0000	0.10	Q					73+15	0.0000	0.06	Q				
68+10	0.0000	0.10	Q					73+20	0.0000	0.06	Q				
68+15	0.0000	0.10	Q					73+25	0.0000	0.06	Q				
68+20	0.0000	0.10	Q					73+30	0.0000	0.06	Q				
68+25	0.0000	0.10	Q					73+35	0.0000	0.06	Q				
68+30	0.0000	0.10	Q					73+40	0.0000	0.06	Q				
68+35	0.0000	0.10	Q					73+45	0.0000	0.06	Q				
68+40	0.0000	0.10	Q					73+50	0.0000	0.06	Q				
68+45	0.0000	0.10	Q					73+55	0.0000	0.06	Q				
68+50	0.0000	0.10	Q					74+ 0	0.0000	0.06	Q				
68+55	0.0000	0.09	Q					74+ 5	0.0000	0.06	Q				
69+ 0	0.0000	0.09	Q					74+10	0.0000	0.05	Q				
69+ 5	0.0000	0.09	Q					74+15	0.0000	0.05	Q				
69+10	0.0000	0.09	Q					74+20	0.0000	0.05	Q				
69+15	0.0000	0.09	Q					74+25	0.0000	0.05	Q				
69+20	0.0000	0.09	Q					74+30	0.0000	0.05	Q				
69+25	0.0000	0.09	Q					74+35	0.0000	0.05	Q				
69+30	0.0000	0.09	Q					74+40	0.0000	0.05	Q				
69+35	0.0000	0.09	Q					74+45	0.0000	0.05	Q				
69+40	0.0000	0.09	Q					74+50	0.0000	0.05	Q				
69+45	0.0000	0.09	Q					74+55	0.0000	0.05	Q				
69+50	0.0000	0.09	Q					75+ 0	0.0000	0.05	Q				
69+55	0.0000	0.09	Q					75+ 5	0.0000	0.05	Q				
70+ 0	0.0000	0.08	Q					75+10	0.0000	0.05	Q				

75+15	0.0000	0.05	Q					80+25	0.0000	0.03	Q				
75+20	0.0000	0.05	Q					80+30	0.0000	0.03	Q				
75+25	0.0000	0.05	Q					80+35	0.0000	0.03	Q				
75+30	0.0000	0.05	Q					80+40	0.0000	0.03	Q				
75+35	0.0000	0.05	Q					80+45	0.0000	0.03	Q				
75+40	0.0000	0.05	Q					80+50	0.0000	0.03	Q				
75+45	0.0000	0.05	Q					80+55	0.0000	0.03	Q				
75+50	0.0000	0.05	Q					81+ 0	0.0000	0.03	Q				
75+55	0.0000	0.05	Q					81+ 5	0.0000	0.03	Q				
76+ 0	0.0000	0.05	Q					81+10	0.0000	0.03	Q				
76+ 5	0.0000	0.05	Q					81+15	0.0000	0.03	Q				
76+10	0.0000	0.04	Q					81+20	0.0000	0.03	Q				
76+15	0.0000	0.04	Q					81+25	0.0000	0.03	Q				
76+20	0.0000	0.04	Q					81+30	0.0000	0.03	Q				
76+25	0.0000	0.04	Q					81+35	0.0000	0.03	Q				
76+30	0.0000	0.04	Q					81+40	0.0000	0.03	Q				
76+35	0.0000	0.04	Q					81+45	0.0000	0.03	Q				
76+40	0.0000	0.04	Q					81+50	0.0000	0.02	Q				
76+45	0.0000	0.04	Q					81+55	0.0000	0.02	Q				
76+50	0.0000	0.04	Q					82+ 0	0.0000	0.02	Q				
76+55	0.0000	0.04	Q					82+ 5	0.0000	0.02	Q				
77+ 0	0.0000	0.04	Q					82+10	0.0000	0.02	Q				
77+ 5	0.0000	0.04	Q					82+15	0.0000	0.02	Q				
77+10	0.0000	0.04	Q					82+20	0.0000	0.02	Q				
77+15	0.0000	0.04	Q					82+25	0.0000	0.02	Q				
77+20	0.0000	0.04	Q					82+30	0.0000	0.02	Q				
77+25	0.0000	0.04	Q					82+35	0.0000	0.02	Q				
77+30	0.0000	0.04	Q					82+40	0.0000	0.02	Q				
77+35	0.0000	0.04	Q					82+45	0.0000	0.02	Q				
77+40	0.0000	0.04	Q					82+50	0.0000	0.02	Q				
77+45	0.0000	0.04	Q					82+55	0.0000	0.02	Q				
77+50	0.0000	0.04	Q					83+ 0	0.0000	0.02	Q				
77+55	0.0000	0.04	Q					83+ 5	0.0000	0.02	Q				
78+ 0	0.0000	0.04	Q					83+10	0.0000	0.02	Q				
78+ 5	0.0000	0.04	Q					83+15	0.0000	0.02	Q				
78+10	0.0000	0.04	Q					83+20	0.0000	0.02	Q				
78+15	0.0000	0.04	Q					83+25	0.0000	0.02	Q				
78+20	0.0000	0.04	Q					83+30	0.0000	0.02	Q				
78+25	0.0000	0.04	Q					83+35	0.0000	0.02	Q				
78+30	0.0000	0.04	Q					83+40	0.0000	0.02	Q				
78+35	0.0000	0.03	Q					83+45	0.0000	0.02	Q				
78+40	0.0000	0.03	Q					83+50	0.0000	0.02	Q				
78+45	0.0000	0.03	Q					83+55	0.0000	0.02	Q				
78+50	0.0000	0.03	Q					84+ 0	0.0000	0.02	Q				
78+55	0.0000	0.03	Q					84+ 5	0.0000	0.02	Q				
79+ 0	0.0000	0.03	Q					84+10	0.0000	0.02	Q				
79+ 5	0.0000	0.03	Q					84+15	0.0000	0.02	Q				
79+10	0.0000	0.03	Q					84+20	0.0000	0.02	Q				
79+15	0.0000	0.03	Q					84+25	0.0000	0.02	Q				
79+20	0.0000	0.03	Q					84+30	0.0000	0.02	Q				
79+25	0.0000	0.03	Q					84+35	0.0000	0.02	Q				
79+30	0.0000	0.03	Q					84+40	0.0000	0.02	Q				
79+35	0.0000	0.03	Q					84+45	0.0000	0.02	Q				
79+40	0.0000	0.03	Q					84+50	0.0000	0.02	Q				
79+45	0.0000	0.03	Q					84+55	0.0000	0.02	Q				
79+50	0.0000	0.03	Q					85+ 0	0.0000	0.02	Q				
79+55	0.0000	0.03	Q					85+ 5	0.0000	0.02	Q				
80+ 0	0.0000	0.03	Q					85+10	0.0000	0.02	Q				
80+ 5	0.0000	0.03	Q					85+15	0.0000	0.02	Q				
80+10	0.0000	0.03	Q					85+20	0.0000	0.02	Q				
80+15	0.0000	0.03	Q					85+25	0.0000	0.02	Q				
80+20	0.0000	0.03	Q					85+30	0.0000	0.02	Q				

85+35	0.0000	0.02	Q					90+45	0.0000	0.01	Q				
85+40	0.0000	0.02	Q					90+50	0.0000	0.01	Q				
85+45	0.0000	0.02	Q					90+55	0.0000	0.01	Q				
85+50	0.0000	0.02	Q					91+ 0	0.0000	0.01	Q				
85+55	0.0000	0.02	Q					91+ 5	0.0000	0.01	Q				
86+ 0	0.0000	0.02	Q					91+10	0.0000	0.01	Q				
86+ 5	0.0000	0.02	Q					91+15	0.0000	0.01	Q				
86+10	0.0000	0.02	Q					91+20	0.0000	0.01	Q				
86+15	0.0000	0.02	Q					91+25	0.0000	0.01	Q				
86+20	0.0000	0.02	Q					91+30	0.0000	0.01	Q				
86+25	0.0000	0.02	Q					91+35	0.0000	0.01	Q				
86+30	0.0000	0.02	Q					91+40	0.0000	0.01	Q				
86+35	0.0000	0.02	Q					91+45	0.0000	0.01	Q				
86+40	0.0000	0.02	Q					91+50	0.0000	0.01	Q				
86+45	0.0000	0.01	Q					91+55	0.0000	0.01	Q				
86+50	0.0000	0.01	Q					92+ 0	0.0000	0.01	Q				
86+55	0.0000	0.01	Q					92+ 5	0.0000	0.01	Q				
87+ 0	0.0000	0.01	Q					92+10	0.0000	0.01	Q				
87+ 5	0.0000	0.01	Q					92+15	0.0000	0.01	Q				
87+10	0.0000	0.01	Q					92+20	0.0000	0.01	Q				
87+15	0.0000	0.01	Q					92+25	0.0000	0.01	Q				
87+20	0.0000	0.01	Q					92+30	0.0000	0.01	Q				
87+25	0.0000	0.01	Q					92+35	0.0000	0.01	Q				
87+30	0.0000	0.01	Q					92+40	0.0000	0.01	Q				
87+35	0.0000	0.01	Q					92+45	0.0000	0.01	Q				
87+40	0.0000	0.01	Q					92+50	0.0000	0.01	Q				
87+45	0.0000	0.01	Q					92+55	0.0000	0.01	Q				
87+50	0.0000	0.01	Q					93+ 0	0.0000	0.01	Q				
87+55	0.0000	0.01	Q					93+ 5	0.0000	0.01	Q				
88+ 0	0.0000	0.01	Q					93+10	0.0000	0.01	Q				
88+ 5	0.0000	0.01	Q					93+15	0.0000	0.01	Q				
88+10	0.0000	0.01	Q					93+20	0.0000	0.01	Q				
88+15	0.0000	0.01	Q					93+25	0.0000	0.01	Q				
88+20	0.0000	0.01	Q					93+30	0.0000	0.01	Q				
88+25	0.0000	0.01	Q					93+35	0.0000	0.01	Q				
88+30	0.0000	0.01	Q					93+40	0.0000	0.01	Q				
88+35	0.0000	0.01	Q					93+45	0.0000	0.01	Q				
88+40	0.0000	0.01	Q					93+50	0.0000	0.01	Q				
88+45	0.0000	0.01	Q					93+55	0.0000	0.01	Q				
88+50	0.0000	0.01	Q					94+ 0	0.0000	0.01	Q				
88+55	0.0000	0.01	Q					94+ 5	0.0000	0.01	Q				
89+ 0	0.0000	0.01	Q					94+10	0.0000	0.01	Q				
89+ 5	0.0000	0.01	Q					94+15	0.0000	0.01	Q				
89+10	0.0000	0.01	Q					94+20	0.0000	0.01	Q				
89+15	0.0000	0.01	Q					94+25	0.0000	0.01	Q				
89+20	0.0000	0.01	Q					94+30	0.0000	0.01	Q				
89+25	0.0000	0.01	Q					94+35	0.0000	0.01	Q				
89+30	0.0000	0.01	Q					94+40	0.0000	0.01	Q				
89+35	0.0000	0.01	Q					94+45	0.0000	0.01	Q				
89+40	0.0000	0.01	Q					94+50	0.0000	0.01	Q				
89+45	0.0000	0.01	Q					94+55	0.0000	0.01	Q				
89+50	0.0000	0.01	Q					95+ 0	0.0000	0.01	Q				
89+55	0.0000	0.01	Q					95+ 5	0.0000	0.01	Q				
90+ 0	0.0000	0.01	Q					95+10	0.0000	0.01	Q				
90+ 5	0.0000	0.01	Q					95+15	0.0000	0.01	Q				
90+10	0.0000	0.01	Q					95+20	0.0000	0.01	Q				
90+15	0.0000	0.01	Q					95+25	0.0000	0.01	Q				
90+20	0.0000	0.01	Q					95+30	0.0000	0.01	Q				
90+25	0.0000	0.01	Q					95+35	0.0000	0.01	Q				
90+30	0.0000	0.01	Q					95+40	0.0000	0.01	Q				
90+35	0.0000	0.01	Q					95+45	0.0000	0.01	Q				
90+40	0.0000	0.01	Q					95+50	0.0000	0.01	Q				

95+55	0.0000	0.01	Q	|	|	|	|	101+ 5	0.0000	0.00	Q	|	|	|	|
96+ 0	0.0000	0.01	Q	|	|	|	|	101+10	0.0000	0.00	Q	|	|	|	|
96+ 5	0.0000	0.01	Q	|	|	|	|	101+15	0.0000	0.00	Q	|	|	|	|
96+10	0.0000	0.01	Q	|	|	|	|	101+20	0.0000	0.00	Q	|	|	|	|
96+15	0.0000	0.01	Q	|	|	|	|	101+25	0.0000	0.00	Q	|	|	|	|
96+20	0.0000	0.01	Q	|	|	|	|	101+30	0.0000	0.00	Q	|	|	|	|
96+25	0.0000	0.01	Q	|	|	|	|	101+35	0.0000	0.00	Q	|	|	|	|
96+30	0.0000	0.01	Q	|	|	|	|	101+40	0.0000	0.00	Q	|	|	|	|
96+35	0.0000	0.01	Q	|	|	|	|	101+45	0.0000	0.00	Q	|	|	|	|
96+40	0.0000	0.01	Q	|	|	|	|	101+50	0.0000	0.00	Q	|	|	|	|
96+45	0.0000	0.01	Q	|	|	|	|	101+55	0.0000	0.00	Q	|	|	|	|
96+50	0.0000	0.01	Q	|	|	|	|	102+ 0	0.0000	0.00	Q	|	|	|	|
96+55	0.0000	0.01	Q	|	|	|	|	102+ 5	0.0000	0.00	Q	|	|	|	|
97+ 0	0.0000	0.01	Q	|	|	|	|	102+10	0.0000	0.00	Q	|	|	|	|
97+ 5	0.0000	0.01	Q	|	|	|	|	102+15	0.0000	0.00	Q	|	|	|	|
97+10	0.0000	0.01	Q	|	|	|	|	102+20	0.0000	0.00	Q	|	|	|	|
97+15	0.0000	0.01	Q	|	|	|	|	102+25	0.0000	0.00	Q	|	|	|	|
97+20	0.0000	0.00	Q	|	|	|	|	102+30	0.0000	0.00	Q	|	|	|	|
97+25	0.0000	0.00	Q	|	|	|	|	102+35	0.0000	0.00	Q	|	|	|	|
97+30	0.0000	0.00	Q	|	|	|	|	102+40	0.0000	0.00	Q	|	|	|	|
97+35	0.0000	0.00	Q	|	|	|	|	102+45	0.0000	0.00	Q	|	|	|	|
97+40	0.0000	0.00	Q	|	|	|	|	102+50	0.0000	0.00	Q	|	|	|	|
97+45	0.0000	0.00	Q	|	|	|	|	102+55	0.0000	0.00	Q	|	|	|	|
97+50	0.0000	0.00	Q	|	|	|	|	103+ 0	0.0000	0.00	Q	|	|	|	|
97+55	0.0000	0.00	Q	|	|	|	|	103+ 5	0.0000	0.00	Q	|	|	|	|
98+ 0	0.0000	0.00	Q	|	|	|	|	103+10	0.0000	0.00	Q	|	|	|	|
98+ 5	0.0000	0.00	Q	|	|	|	|	103+15	0.0000	0.00	Q	|	|	|	|
98+10	0.0000	0.00	Q	|	|	|	|	103+20	0.0000	0.00	Q	|	|	|	|
98+15	0.0000	0.00	Q	|	|	|	|	103+25	0.0000	0.00	Q	|	|	|	|
98+20	0.0000	0.00	Q	|	|	|	|	103+30	0.0000	0.00	Q	|	|	|	|
98+25	0.0000	0.00	Q	|	|	|	|	103+35	0.0000	0.00	Q	|	|	|	|
98+30	0.0000	0.00	Q	|	|	|	|	103+40	0.0000	0.00	Q	|	|	|	|
98+35	0.0000	0.00	Q	|	|	|	|	103+45	0.0000	0.00	Q	|	|	|	|
98+40	0.0000	0.00	Q	|	|	|	|	103+50	0.0000	0.00	Q	|	|	|	|
98+45	0.0000	0.00	Q	|	|	|	|	103+55	0.0000	0.00	Q	|	|	|	|
98+50	0.0000	0.00	Q	|	|	|	|	104+ 0	0.0000	0.00	Q	|	|	|	|
98+55	0.0000	0.00	Q	|	|	|	|	104+ 5	0.0000	0.00	Q	|	|	|	|
99+ 0	0.0000	0.00	Q	|	|	|	|	104+10	0.0000	0.00	Q	|	|	|	|
99+ 5	0.0000	0.00	Q	|	|	|	|	104+15	0.0000	0.00	Q	|	|	|	|
99+10	0.0000	0.00	Q	|	|	|	|	104+20	0.0000	0.00	Q	|	|	|	|
99+15	0.0000	0.00	Q	|	|	|	|	104+25	0.0000	0.00	Q	|	|	|	|
99+20	0.0000	0.00	Q	|	|	|	|	104+30	0.0000	0.00	Q	|	|	|	|
99+25	0.0000	0.00	Q	|	|	|	|	104+35	0.0000	0.00	Q	|	|	|	|
99+30	0.0000	0.00	Q	|	|	|	|	104+40	0.0000	0.00	Q	|	|	|	|
99+35	0.0000	0.00	Q	|	|	|	|	104+45	0.0000	0.00	Q	|	|	|	|
99+40	0.0000	0.00	Q	|	|	|	|	104+50	0.0000	0.00	Q	|	|	|	|
99+45	0.0000	0.00	Q	|	|	|	|	104+55	0.0000	0.00	Q	|	|	|	|
99+50	0.0000	0.00	Q	|	|	|	|	105+ 0	0.0000	0.00	Q	|	|	|	|
99+55	0.0000	0.00	Q	|	|	|	|	105+ 5	0.0000	0.00	Q	|	|	|	|
100+ 0	0.0000	0.00	Q	|	|	|	|	105+10	0.0000	0.00	Q	|	|	|	|
100+ 5	0.0000	0.00	Q	|	|	|	|	105+15	0.0000	0.00	Q	|	|	|	|
100+10	0.0000	0.00	Q	|	|	|	|	105+20	0.0000	0.00	Q	|	|	|	|
100+15	0.0000	0.00	Q	|	|	|	|	105+25	0.0000	0.00	Q	|	|	|	|
100+20	0.0000	0.00	Q	|	|	|	|	105+30	0.0000	0.00	Q	|	|	|	|
100+25	0.0000	0.00	Q	|	|	|	|	105+35	0.0000	0.00	Q	|	|	|	|
100+30	0.0000	0.00	Q	|	|	|	|	105+40	0.0000	0.00	Q	|	|	|	|
100+35	0.0000	0.00	Q	|	|	|	|	105+45	0.0000	0.00	Q	|	|	|	|
100+40	0.0000	0.00	Q	|	|	|	|	105+50	0.0000	0.00	Q	|	|	|	|
100+45	0.0000	0.00	Q	|	|	|	|	105+55	0.0000	0.00	Q	|	|	|	|
100+50	0.0000	0.00	Q	|	|	|	|	106+ 0	0.0000	0.00	Q	|	|	|	|
100+55	0.0000	0.00	Q	|	|	|	|	106+ 5	0.0000	0.00	Q	|	|	|	|
101+ 0	0.0000	0.00	Q	|	|	|	|	106+10	0.0000	0.00	Q	|	|	|	|

106+15	0.0000	0.00	Q					111+25	0.0000	0.00	Q				
106+20	0.0000	0.00	Q					111+30	0.0000	0.00	Q				
106+25	0.0000	0.00	Q					111+35	0.0000	0.00	Q				
106+30	0.0000	0.00	Q					111+40	0.0000	0.00	Q				
106+35	0.0000	0.00	Q					111+45	0.0000	0.00	Q				
106+40	0.0000	0.00	Q					111+50	0.0000	0.00	Q				
106+45	0.0000	0.00	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.00	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.00	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.00	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.00	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.00	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.00	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.00	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.00	Q					112+35	0.0000	0.00	Q				
107+30	0.0000	0.00	Q					112+40	0.0000	0.00	Q				
107+35	0.0000	0.00	Q					112+45	0.0000	0.00	Q				
107+40	0.0000	0.00	Q					112+50	0.0000	0.00	Q				
107+45	0.0000	0.00	Q					112+55	0.0000	0.00	Q				
107+50	0.0000	0.00	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.00	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.00	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.00	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.00	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.00	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.00	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				

116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				
116+40	0.0000	0.00	Q					121+50	0.0000	0.00	Q				
116+45	0.0000	0.00	Q					121+55	0.0000	0.00	Q				
116+50	0.0000	0.00	Q					122+ 0	0.0000	0.00	Q				
116+55	0.0000	0.00	Q					122+ 5	0.0000	0.00	Q				
117+ 0	0.0000	0.00	Q					122+10	0.0000	0.00	Q				
117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				
117+50	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
117+55	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				

126+55	0.0000	0.00	Q					132+ 5	0.0000	0.00	Q				
127+ 0	0.0000	0.00	Q					132+10	0.0000	0.00	Q				
127+ 5	0.0000	0.00	Q					132+15	0.0000	0.00	Q				
127+10	0.0000	0.00	Q					132+20	0.0000	0.00	Q				
127+15	0.0000	0.00	Q					132+25	0.0000	0.00	Q				
127+20	0.0000	0.00	Q					132+30	0.0000	0.00	Q				
127+25	0.0000	0.00	Q					132+35	0.0000	0.00	Q				
127+30	0.0000	0.00	Q					132+40	0.0000	0.00	Q				
127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				

```
 137+15       0.0000      0.00  Q         |         |         |         |
 137+20       0.0000      0.00  Q         |         |         |         |
 137+25       0.0000      0.00  Q         |         |         |         |
 137+30       0.0000      0.00  Q         |         |         |         |
 137+35       0.0000      0.00  Q         |         |         |         |
 137+40       0.0000      0.00  Q         |         |         |         |
 137+45       0.0000      0.00  Q         |         |         |         |
 137+50       0.0000      0.00  Q         |         |         |         |
 137+55       0.0000      0.00  Q         |         |         |         |
 138+ 0       0.0000      0.00  Q         |         |         |         |
 138+ 5       0.0000      0.00  Q         |         |         |         |
 138+10       0.0000      0.00  Q         |         |         |         |
 138+15       0.0000      0.00  Q         |         |         |         |
 138+20       0.0000      0.00  Q         |         |         |         |
 138+25       0.0000      0.00  Q         |         |         |         |
 138+30       0.0000      0.00  Q         |         |         |         |
 138+35       0.0000      0.00  Q         |         |         |         |
 138+40       0.0000      0.00  Q         |         |         |         |
 138+45       0.0000      0.00  Q         |         |         |         |
 138+50       0.0000      0.00  Q         |         |         |         |
 138+55       0.0000      0.00  Q         |         |         |         |
 139+ 0       0.0000      0.00  Q         |         |         |         |
 139+ 5       0.0000      0.00  Q         |         |         |         |
 139+10       0.0000      0.00  Q         |         |         |         |
 139+15       0.0000      0.00  Q         |         |         |         |
 139+20       0.0000      0.00  Q         |         |         |         |
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  5002
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      379.533 (CFS)
                    Total volume =      40.338 (Ac.Ft)
              Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000    15.218     1.682     0.000     0.000
              Vol (Ac.Ft)     0.000     5.634     2.911     0.000     0.000
        ***********************************************************************


        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.900 to Point/Station       10.960
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        From stored stream number 2 the total
        volume of       5.63 (Ac.Ft) is being added to the
        current hydrograph at its original rate from user
        with a delay time to start of addition of    0.00 hours.
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T   O F   S T O R M
                      R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)
```

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                                                                    ----------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       98.5     196.9     295.4     393.9
----------------------------------------------------------------------------
  0+ 5       0.0304      0.53  Q         |         |         |         |
  0+10       0.1432      2.23  Q         |         |         |         |
  0+15       0.3180      5.36  Q         |         |         |         |
  0+20       0.5032     12.12  qQ        |         |         |         |
  0+25       0.5818     16.43  qQ        |         |         |         |
  0+30       0.6746     19.31  qQ        |         |         |         |
  0+35       0.7604     24.04  q Q       |         |         |         |
  0+40       0.8281     28.46  q Q       |         |         |         |
  0+45       0.8988     35.18  q  Q      |         |         |         |
  0+50       0.9522     36.32  q  Q      |         |         |         |
  0+55       0.9986     40.58  q   Q     |         |         |         |
  1+ 0       1.0436     42.67  q   Q     |         |         |         |
  1+ 5       1.0851     41.11  q   Q     |         |         |         |
  1+10       1.1296     45.11  q   Q     |         |         |         |
  1+15       1.1793     53.98  q    Q    |         |         |         |
  1+20       1.2188     65.25  q     Q   |         |         |         |
  1+25       1.2557     72.00  q      Q  |         |         |         |
  1+30       1.2968     77.08  q      Q  |         |         |         |
  1+35       1.3363     81.41  q       Q |         |         |         |
  1+40       1.3758     93.89  q        Q|         |         |         |
  1+45       1.4162    103.91  q         Q         |         |         |
  1+50       1.4539    108.79  q          Q        |         |         |
  1+55       1.4937    119.86  q          |Q       |         |         |
  2+ 0       1.5279    135.02  q          | Q      |         |         |
  2+ 5       1.5585    140.13  q          |  Q     |         |         |
  2+10       1.5916    142.55  q          |  Q     |         |         |
  2+15       1.6286    153.16  q          |   Q    |         |         |
  2+20       1.6704    170.29  q          |    Q   |         |         |
  2+25       1.7109    202.79  q          |     Q  |         |         |
  2+30       1.7556    239.77  q          |      | Q|         |         |
  2+35       5.6337    266.80  q          |      |  |Q        |         |
  2+40      10.6531    341.70  |q         |      |  |         | Q       |
  2+45      13.0412    387.78  |q         |      |  |         |        Q|
  2+50      14.3663    393.90  |q         |      |  |         |         Q
  2+55      14.8935    335.56  |q         |      |  |         | Q       |
  3+ 0      15.2184    237.84  |q         |      |  | Q       |         |
  3+ 5      15.0481    178.93  |q         |      |   Q|       |         |
  3+10      14.7132    144.40  |q         |      |  Q |       |         |
  3+15      14.3457    111.68  |q         |     Q|    |       |         |
  3+20      13.9630     86.55  |q         |   Q  |    |       |         |
  3+25      13.5855     69.01  |q         |  Q   |    |       |         |
  3+30      13.2175     55.84  |q         | Q    |    |       |         |
  3+35      12.8595     44.92  |q  Q      |      |    |       |         |
  3+40      12.5112     36.30  |q Q       |      |    |       |         |
  3+45      12.1723     29.71  |q Q       |      |    |       |         |
  3+50      11.8426     25.31  |qQ        |      |    |       |         |
  3+55      11.5219     22.57  |qQ        |      |    |       |         |
  4+ 0      11.2098     20.58  |qQ        |      |    |       |         |
  4+ 5      10.9062     19.07  |Q         |      |    |       |         |
  4+10      10.6108     17.87  |Q         |      |    |       |         |
  4+15      10.3234     16.85  |Q         |      |    |       |         |
  4+20      10.0044     15.55  |Q         |      |    |       |         |
  4+25       9.5027     14.12  qQ        |      |    |       |         |
  4+30       9.0261     12.95  qQ        |      |    |       |         |
  4+35       8.5735     11.96  qQ        |      |    |       |         |
  4+40       8.1436     11.15  qQ        |      |    |       |         |
  4+45       7.7352     10.54  qQ        |      |    |       |         |
  4+50       7.3473     10.09  qQ        |      |    |       |         |
  4+55       6.9789      9.68  Q         |      |    |       |         |
```

5+ 0	6.6289	9.31	Q	|	|	|	|	10+10	1.7361	4.24	Q	|	|	|	|
5+ 5	6.2965	8.97	Q	|	|	|	|	10+15	1.7352	4.24	Q	|	|	|	|
5+10	5.9807	8.65	Q	|	|	|	|	10+20	1.7343	4.23	Q	|	|	|	|
5+15	5.6808	8.35	Q	|	|	|	|	10+25	1.7334	4.23	Q	|	|	|	|
5+20	5.3959	8.06	Q	|	|	|	|	10+30	1.7324	4.23	Q	|	|	|	|
5+25	5.1253	7.79	Q	|	|	|	|	10+35	1.7315	4.22	Q	|	|	|	|
5+30	4.8683	7.53	Q	|	|	|	|	10+40	1.7306	4.22	Q	|	|	|	|
5+35	4.6242	7.28	Q	|	|	|	|	10+45	1.7297	4.21	Q	|	|	|	|
5+40	4.3923	7.05	Q	|	|	|	|	10+50	1.7287	4.21	Q	|	|	|	|
5+45	4.1720	6.82	Q	|	|	|	|	10+55	1.7277	4.21	Q	|	|	|	|
5+50	3.9628	6.61	Q	|	|	|	|	11+ 0	1.7267	4.20	Q	|	|	|	|
5+55	3.7641	6.41	Q	|	|	|	|	11+ 5	1.7258	4.20	Q	|	|	|	|
6+ 0	3.5753	6.22	Q	|	|	|	|	11+10	1.7248	4.19	Q	|	|	|	|
6+ 5	3.3961	6.04	Q	|	|	|	|	11+15	1.7239	4.19	Q	|	|	|	|
6+10	3.2258	5.86	Q	|	|	|	|	11+20	1.7229	4.19	Q	|	|	|	|
6+15	3.0640	5.70	Q	|	|	|	|	11+25	1.7219	4.18	Q	|	|	|	|
6+20	2.9103	5.54	Q	|	|	|	|	11+30	1.7210	4.18	Q	|	|	|	|
6+25	2.7644	5.39	Q	|	|	|	|	11+35	1.7200	4.17	Q	|	|	|	|
6+30	2.6258	5.25	Q	|	|	|	|	11+40	1.7190	4.17	Q	|	|	|	|
6+35	2.4941	5.12	Q	|	|	|	|	11+45	1.7181	4.16	Q	|	|	|	|
6+40	2.3690	4.99	Q	|	|	|	|	11+50	1.7171	4.16	Q	|	|	|	|
6+45	2.2502	4.87	Q	|	|	|	|	11+55	1.7161	4.16	Q	|	|	|	|
6+50	2.1374	4.75	Q	|	|	|	|	12+ 0	1.7152	4.15	Q	|	|	|	|
6+55	2.0302	4.64	Q	|	|	|	|	12+ 5	1.7142	4.15	Q	|	|	|	|
7+ 0	1.9284	4.54	Q	|	|	|	|	12+10	1.7133	4.14	Q	|	|	|	|
7+ 5	1.8317	4.44	Q	|	|	|	|	12+15	1.7123	4.14	Q	|	|	|	|
7+10	1.7697	4.37	Q	|	|	|	|	12+20	1.7113	4.14	Q	|	|	|	|
7+15	1.7687	4.37	Q	|	|	|	|	12+25	1.7104	4.13	Q	|	|	|	|
7+20	1.7678	4.37	Q	|	|	|	|	12+30	1.7094	4.13	Q	|	|	|	|
7+25	1.7669	4.36	Q	|	|	|	|	12+35	1.7085	4.12	Q	|	|	|	|
7+30	1.7659	4.36	Q	|	|	|	|	12+40	1.7075	4.12	Q	|	|	|	|
7+35	1.7650	4.36	Q	|	|	|	|	12+45	1.7066	4.12	Q	|	|	|	|
7+40	1.7640	4.35	Q	|	|	|	|	12+50	1.7056	4.11	Q	|	|	|	|
7+45	1.7631	4.35	Q	|	|	|	|	12+55	1.7047	4.11	Q	|	|	|	|
7+50	1.7622	4.34	Q	|	|	|	|	13+ 0	1.7037	4.10	Q	|	|	|	|
7+55	1.7612	4.34	Q	|	|	|	|	13+ 5	1.7027	4.10	Q	|	|	|	|
8+ 0	1.7603	4.34	Q	|	|	|	|	13+10	1.7018	4.10	Q	|	|	|	|
8+ 5	1.7594	4.33	Q	|	|	|	|	13+15	1.7008	4.09	Q	|	|	|	|
8+10	1.7584	4.33	Q	|	|	|	|	13+20	1.6999	4.09	Q	|	|	|	|
8+15	1.7575	4.33	Q	|	|	|	|	13+25	1.6989	4.08	Q	|	|	|	|
8+20	1.7566	4.32	Q	|	|	|	|	13+30	1.6980	4.08	Q	|	|	|	|
8+25	1.7556	4.32	Q	|	|	|	|	13+35	1.6970	4.08	Q	|	|	|	|
8+30	1.7547	4.31	Q	|	|	|	|	13+40	1.6961	4.07	Q	|	|	|	|
8+35	1.7538	4.31	Q	|	|	|	|	13+45	1.6951	4.07	Q	|	|	|	|
8+40	1.7528	4.31	Q	|	|	|	|	13+50	1.6942	4.07	Q	|	|	|	|
8+45	1.7519	4.30	Q	|	|	|	|	13+55	1.6932	4.06	Q	|	|	|	|
8+50	1.7510	4.30	Q	|	|	|	|	14+ 0	1.6923	4.06	Q	|	|	|	|
8+55	1.7500	4.30	Q	|	|	|	|	14+ 5	1.6913	4.05	Q	|	|	|	|
9+ 0	1.7491	4.29	Q	|	|	|	|	14+10	1.6904	4.05	Q	|	|	|	|
9+ 5	1.7482	4.29	Q	|	|	|	|	14+15	1.6893	4.05	Q	|	|	|	|
9+10	1.7472	4.29	Q	|	|	|	|	14+20	1.6882	4.04	Q	|	|	|	|
9+15	1.7463	4.28	Q	|	|	|	|	14+25	1.6870	4.04	Q	|	|	|	|
9+20	1.7454	4.28	Q	|	|	|	|	14+30	1.6859	4.03	Q	|	|	|	|
9+25	1.7445	4.27	Q	|	|	|	|	14+35	1.6847	4.03	Q	|	|	|	|
9+30	1.7435	4.27	Q	|	|	|	|	14+40	1.6836	4.03	Q	|	|	|	|
9+35	1.7426	4.27	Q	|	|	|	|	14+45	1.6824	4.02	Q	|	|	|	|
9+40	1.7417	4.26	Q	|	|	|	|	14+50	1.6813	4.02	Q	|	|	|	|
9+45	1.7407	4.26	Q	|	|	|	|	14+55	1.6801	4.01	Q	|	|	|	|
9+50	1.7398	4.26	Q	|	|	|	|	15+ 0	1.6790	4.01	Q	|	|	|	|
9+55	1.7389	4.25	Q	|	|	|	|	15+ 5	1.6779	4.00	Q	|	|	|	|
10+ 0	1.7380	4.25	Q	|	|	|	|	15+10	1.6767	4.00	Q	|	|	|	|
10+ 5	1.7370	4.25	Q	|	|	|	|	15+15	1.6756	4.00	Q	|	|	|	|

15+20	1.6744	3.99	Q					20+30	1.6051	3.73	Q				
15+25	1.6733	3.99	Q					20+35	1.6040	3.72	Q				
15+30	1.6721	3.98	Q					20+40	1.6029	3.72	Q				
15+35	1.6710	3.98	Q					20+45	1.6018	3.71	Q				
15+40	1.6699	3.97	Q					20+50	1.6007	3.71	Q				
15+45	1.6687	3.97	Q					20+55	1.5996	3.70	Q				
15+50	1.6676	3.97	Q					21+ 0	1.5984	3.70	Q				
15+55	1.6664	3.96	Q					21+ 5	1.5972	3.69	Q				
16+ 0	1.6653	3.96	Q					21+10	1.5959	3.69	Q				
16+ 5	1.6642	3.95	Q					21+15	1.5947	3.68	Q				
16+10	1.6630	3.95	Q					21+20	1.5935	3.68	Q				
16+15	1.6619	3.94	Q					21+25	1.5923	3.67	Q				
16+20	1.6608	3.94	Q					21+30	1.5911	3.67	Q				
16+25	1.6596	3.94	Q					21+35	1.5899	3.66	Q				
16+30	1.6585	3.93	Q					21+40	1.5886	3.66	Q				
16+35	1.6574	3.93	Q					21+45	1.5874	3.65	Q				
16+40	1.6563	3.92	Q					21+50	1.5862	3.65	Q				
16+45	1.6551	3.92	Q					21+55	1.5850	3.64	Q				
16+50	1.6540	3.91	Q					22+ 0	1.5838	3.64	Q				
16+55	1.6529	3.91	Q					22+ 5	1.5826	3.63	Q				
17+ 0	1.6517	3.91	Q					22+10	1.5814	3.63	Q				
17+ 5	1.6506	3.90	Q					22+15	1.5802	3.62	Q				
17+10	1.6495	3.90	Q					22+20	1.5790	3.62	Q				
17+15	1.6484	3.89	Q					22+25	1.5777	3.62	Q				
17+20	1.6472	3.89	Q					22+30	1.5765	3.61	Q				
17+25	1.6461	3.89	Q					22+35	1.5753	3.61	Q				
17+30	1.6450	3.88	Q					22+40	1.5741	3.60	Q				
17+35	1.6439	3.88	Q					22+45	1.5729	3.60	Q				
17+40	1.6428	3.87	Q					22+50	1.5717	3.59	Q				
17+45	1.6416	3.87	Q					22+55	1.5705	3.59	Q				
17+50	1.6405	3.86	Q					23+ 0	1.5693	3.58	Q				
17+55	1.6394	3.86	Q					23+ 5	1.5681	3.58	Q				
18+ 0	1.6383	3.86	Q					23+10	1.5669	3.57	Q				
18+ 5	1.6372	3.85	Q					23+15	1.5657	3.57	Q				
18+10	1.6360	3.85	Q					23+20	1.5645	3.56	Q				
18+15	1.6349	3.84	Q					23+25	1.5633	3.56	Q				
18+20	1.6338	3.84	Q					23+30	1.5621	3.55	Q				
18+25	1.6327	3.84	Q					23+35	1.5610	3.55	Q				
18+30	1.6316	3.83	Q					23+40	1.5598	3.54	Q				
18+35	1.6305	3.83	Q					23+45	1.5586	3.54	Q				
18+40	1.6294	3.82	Q					23+50	1.5574	3.53	Q				
18+45	1.6283	3.82	Q					23+55	1.5562	3.53	Q				
18+50	1.6271	3.82	Q					24+ 0	1.5550	3.53	Q				
18+55	1.6260	3.81	Q					24+ 5	1.5538	3.52	Q				
19+ 0	1.6249	3.81	Q					24+10	1.5526	3.52	Q				
19+ 5	1.6238	3.80	Q					24+15	1.5514	3.51	Q				
19+10	1.6227	3.80	Q					24+20	1.5503	3.51	Q				
19+15	1.6216	3.79	Q					24+25	1.5491	3.50	Q				
19+20	1.6205	3.79	Q					24+30	1.5479	3.50	Q				
19+25	1.6194	3.79	Q					24+35	1.5467	3.49	Q				
19+30	1.6183	3.78	Q					24+40	1.5455	3.49	Q				
19+35	1.6172	3.78	Q					24+45	1.5443	3.48	Q				
19+40	1.6161	3.77	Q					24+50	1.5432	3.48	Q				
19+45	1.6150	3.77	Q					24+55	1.5420	3.47	Q				
19+50	1.6139	3.77	Q					25+ 0	1.5408	3.47	Q				
19+55	1.6128	3.76	Q					25+ 5	0.0000	1.82	Q				
20+ 0	1.6117	3.76	Q					25+10	0.0000	1.81	Q				
20+ 5	1.6106	3.75	Q					25+15	0.0000	1.81	Q				
20+10	1.6095	3.75	Q					25+20	0.0000	1.81	Q				
20+15	1.6084	3.74	Q					25+25	0.0000	1.80	Q				
20+20	1.6073	3.74	Q					25+30	0.0000	1.80	Q				
20+25	1.6062	3.73	Q					25+35	0.0000	1.80	Q				

25+40	0.0000	1.79	Q					30+50	0.0000	1.55	Q				
25+45	0.0000	1.79	Q					30+55	0.0000	1.55	Q				
25+50	0.0000	1.79	Q					31+ 0	0.0000	1.54	Q				
25+55	0.0000	1.78	Q					31+ 5	0.0000	1.54	Q				
26+ 0	0.0000	1.78	Q					31+10	0.0000	1.54	Q				
26+ 5	0.0000	1.77	Q					31+15	0.0000	1.53	Q				
26+10	0.0000	1.77	Q					31+20	0.0000	1.53	Q				
26+15	0.0000	1.77	Q					31+25	0.0000	1.52	Q				
26+20	0.0000	1.76	Q					31+30	0.0000	1.52	Q				
26+25	0.0000	1.76	Q					31+35	0.0000	1.51	Q				
26+30	0.0000	1.76	Q					31+40	0.0000	1.51	Q				
26+35	0.0000	1.75	Q					31+45	0.0000	1.51	Q				
26+40	0.0000	1.75	Q					31+50	0.0000	1.50	Q				
26+45	0.0000	1.75	Q					31+55	0.0000	1.50	Q				
26+50	0.0000	1.74	Q					32+ 0	0.0000	1.49	Q				
26+55	0.0000	1.74	Q					32+ 5	0.0000	1.49	Q				
27+ 0	0.0000	1.73	Q					32+10	0.0000	1.49	Q				
27+ 5	0.0000	1.73	Q					32+15	0.0000	1.48	Q				
27+10	0.0000	1.73	Q					32+20	0.0000	1.48	Q				
27+15	0.0000	1.72	Q					32+25	0.0000	1.47	Q				
27+20	0.0000	1.72	Q					32+30	0.0000	1.47	Q				
27+25	0.0000	1.72	Q					32+35	0.0000	1.47	Q				
27+30	0.0000	1.71	Q					32+40	0.0000	1.46	Q				
27+35	0.0000	1.71	Q					32+45	0.0000	1.46	Q				
27+40	0.0000	1.71	Q					32+50	0.0000	1.45	Q				
27+45	0.0000	1.70	Q					32+55	0.0000	1.45	Q				
27+50	0.0000	1.70	Q					33+ 0	0.0000	1.45	Q				
27+55	0.0000	1.70	Q					33+ 5	0.0000	1.44	Q				
28+ 0	0.0000	1.69	Q					33+10	0.0000	1.44	Q				
28+ 5	0.0000	1.69	Q					33+15	0.0000	1.43	Q				
28+10	0.0000	1.69	Q					33+20	0.0000	1.43	Q				
28+15	0.0000	1.68	Q					33+25	0.0000	1.43	Q				
28+20	0.0000	1.68	Q					33+30	0.0000	1.42	Q				
28+25	0.0000	1.67	Q					33+35	0.0000	1.42	Q				
28+30	0.0000	1.67	Q					33+40	0.0000	1.41	Q				
28+35	0.0000	1.67	Q					33+45	0.0000	1.41	Q				
28+40	0.0000	1.66	Q					33+50	0.0000	1.40	Q				
28+45	0.0000	1.66	Q					33+55	0.0000	1.40	Q				
28+50	0.0000	1.66	Q					34+ 0	0.0000	1.39	Q				
28+55	0.0000	1.65	Q					34+ 5	0.0000	1.39	Q				
29+ 0	0.0000	1.65	Q					34+10	0.0000	1.38	Q				
29+ 5	0.0000	1.65	Q					34+15	0.0000	1.38	Q				
29+10	0.0000	1.64	Q					34+20	0.0000	1.37	Q				
29+15	0.0000	1.64	Q					34+25	0.0000	1.37	Q				
29+20	0.0000	1.63	Q					34+30	0.0000	1.36	Q				
29+25	0.0000	1.63	Q					34+35	0.0000	1.36	Q				
29+30	0.0000	1.62	Q					34+40	0.0000	1.35	Q				
29+35	0.0000	1.62	Q					34+45	0.0000	1.35	Q				
29+40	0.0000	1.61	Q					34+50	0.0000	1.34	Q				
29+45	0.0000	1.61	Q					34+55	0.0000	1.34	Q				
29+50	0.0000	1.61	Q					35+ 0	0.0000	1.33	Q				
29+55	0.0000	1.60	Q					35+ 5	0.0000	1.33	Q				
30+ 0	0.0000	1.60	Q					35+10	0.0000	1.32	Q				
30+ 5	0.0000	1.59	Q					35+15	0.0000	1.32	Q				
30+10	0.0000	1.59	Q					35+20	0.0000	1.31	Q				
30+15	0.0000	1.58	Q					35+25	0.0000	1.31	Q				
30+20	0.0000	1.58	Q					35+30	0.0000	1.30	Q				
30+25	0.0000	1.58	Q					35+35	0.0000	1.30	Q				
30+30	0.0000	1.57	Q					35+40	0.0000	1.29	Q				
30+35	0.0000	1.57	Q					35+45	0.0000	1.29	Q				
30+40	0.0000	1.56	Q					35+50	0.0000	1.28	Q				
30+45	0.0000	1.56	Q					35+55	0.0000	1.28	Q				

36+ 0	0.0000	1.27	Q					41+10	0.0000	0.88	Q				
36+ 5	0.0000	1.27	Q					41+15	0.0000	0.88	Q				
36+10	0.0000	1.26	Q					41+20	0.0000	0.87	Q				
36+15	0.0000	1.26	Q					41+25	0.0000	0.86	Q				
36+20	0.0000	1.25	Q					41+30	0.0000	0.85	Q				
36+25	0.0000	1.25	Q					41+35	0.0000	0.85	Q				
36+30	0.0000	1.24	Q					41+40	0.0000	0.84	Q				
36+35	0.0000	1.24	Q					41+45	0.0000	0.83	Q				
36+40	0.0000	1.23	Q					41+50	0.0000	0.83	Q				
36+45	0.0000	1.23	Q					41+55	0.0000	0.82	Q				
36+50	0.0000	1.22	Q					42+ 0	0.0000	0.81	Q				
36+55	0.0000	1.22	Q					42+ 5	0.0000	0.81	Q				
37+ 0	0.0000	1.21	Q					42+10	0.0000	0.80	Q				
37+ 5	0.0000	1.21	Q					42+15	0.0000	0.79	Q				
37+10	0.0000	1.20	Q					42+20	0.0000	0.79	Q				
37+15	0.0000	1.20	Q					42+25	0.0000	0.78	Q				
37+20	0.0000	1.20	Q					42+30	0.0000	0.77	Q				
37+25	0.0000	1.19	Q					42+35	0.0000	0.77	Q				
37+30	0.0000	1.19	Q					42+40	0.0000	0.76	Q				
37+35	0.0000	1.18	Q					42+45	0.0000	0.75	Q				
37+40	0.0000	1.18	Q					42+50	0.0000	0.75	Q				
37+45	0.0000	1.17	Q					42+55	0.0000	0.74	Q				
37+50	0.0000	1.17	Q					43+ 0	0.0000	0.74	Q				
37+55	0.0000	1.16	Q					43+ 5	0.0000	0.73	Q				
38+ 0	0.0000	1.16	Q					43+10	0.0000	0.72	Q				
38+ 5	0.0000	1.15	Q					43+15	0.0000	0.72	Q				
38+10	0.0000	1.15	Q					43+20	0.0000	0.71	Q				
38+15	0.0000	1.15	Q					43+25	0.0000	0.71	Q				
38+20	0.0000	1.14	Q					43+30	0.0000	0.70	Q				
38+25	0.0000	1.14	Q					43+35	0.0000	0.70	Q				
38+30	0.0000	1.13	Q					43+40	0.0000	0.69	Q				
38+35	0.0000	1.13	Q					43+45	0.0000	0.68	Q				
38+40	0.0000	1.12	Q					43+50	0.0000	0.68	Q				
38+45	0.0000	1.12	Q					43+55	0.0000	0.67	Q				
38+50	0.0000	1.11	Q					44+ 0	0.0000	0.67	Q				
38+55	0.0000	1.10	Q					44+ 5	0.0000	0.66	Q				
39+ 0	0.0000	1.09	Q					44+10	0.0000	0.66	Q				
39+ 5	0.0000	1.08	Q					44+15	0.0000	0.65	Q				
39+10	0.0000	1.08	Q					44+20	0.0000	0.65	Q				
39+15	0.0000	1.07	Q					44+25	0.0000	0.64	Q				
39+20	0.0000	1.06	Q					44+30	0.0000	0.63	Q				
39+25	0.0000	1.05	Q					44+35	0.0000	0.63	Q				
39+30	0.0000	1.04	Q					44+40	0.0000	0.62	Q				
39+35	0.0000	1.03	Q					44+45	0.0000	0.62	Q				
39+40	0.0000	1.02	Q					44+50	0.0000	0.61	Q				
39+45	0.0000	1.01	Q					44+55	0.0000	0.61	Q				
39+50	0.0000	1.01	Q					45+ 0	0.0000	0.60	Q				
39+55	0.0000	1.00	Q					45+ 5	0.0000	0.60	Q				
40+ 0	0.0000	0.99	Q					45+10	0.0000	0.59	Q				
40+ 5	0.0000	0.98	Q					45+15	0.0000	0.59	Q				
40+10	0.0000	0.97	Q					45+20	0.0000	0.58	Q				
40+15	0.0000	0.97	Q					45+25	0.0000	0.58	Q				
40+20	0.0000	0.96	Q					45+30	0.0000	0.58	Q				
40+25	0.0000	0.95	Q					45+35	0.0000	0.58	Q				
40+30	0.0000	0.94	Q					45+40	0.0000	0.57	Q				
40+35	0.0000	0.93	Q					45+45	0.0000	0.57	Q				
40+40	0.0000	0.93	Q					45+50	0.0000	0.57	Q				
40+45	0.0000	0.92	Q					45+55	0.0000	0.57	Q				
40+50	0.0000	0.91	Q					46+ 0	0.0000	0.57	Q				
40+55	0.0000	0.90	Q					46+ 5	0.0000	0.57	Q				
41+ 0	0.0000	0.90	Q					46+10	0.0000	0.56	Q				
41+ 5	0.0000	0.89	Q					46+15	0.0000	0.56	Q				

46+20	0.0000	0.56	Q					51+30	0.0000	0.46	Q				
46+25	0.0000	0.56	Q					51+35	0.0000	0.46	Q				
46+30	0.0000	0.56	Q					51+40	0.0000	0.46	Q				
46+35	0.0000	0.55	Q					51+45	0.0000	0.45	Q				
46+40	0.0000	0.55	Q					51+50	0.0000	0.45	Q				
46+45	0.0000	0.55	Q					51+55	0.0000	0.45	Q				
46+50	0.0000	0.55	Q					52+ 0	0.0000	0.45	Q				
46+55	0.0000	0.55	Q					52+ 5	0.0000	0.45	Q				
47+ 0	0.0000	0.55	Q					52+10	0.0000	0.45	Q				
47+ 5	0.0000	0.54	Q					52+15	0.0000	0.45	Q				
47+10	0.0000	0.54	Q					52+20	0.0000	0.44	Q				
47+15	0.0000	0.54	Q					52+25	0.0000	0.44	Q				
47+20	0.0000	0.54	Q					52+30	0.0000	0.44	Q				
47+25	0.0000	0.54	Q					52+35	0.0000	0.44	Q				
47+30	0.0000	0.54	Q					52+40	0.0000	0.44	Q				
47+35	0.0000	0.53	Q					52+45	0.0000	0.44	Q				
47+40	0.0000	0.53	Q					52+50	0.0000	0.44	Q				
47+45	0.0000	0.53	Q					52+55	0.0000	0.43	Q				
47+50	0.0000	0.53	Q					53+ 0	0.0000	0.43	Q				
47+55	0.0000	0.53	Q					53+ 5	0.0000	0.43	Q				
48+ 0	0.0000	0.52	Q					53+10	0.0000	0.43	Q				
48+ 5	0.0000	0.52	Q					53+15	0.0000	0.43	Q				
48+10	0.0000	0.52	Q					53+20	0.0000	0.43	Q				
48+15	0.0000	0.52	Q					53+25	0.0000	0.43	Q				
48+20	0.0000	0.52	Q					53+30	0.0000	0.42	Q				
48+25	0.0000	0.52	Q					53+35	0.0000	0.42	Q				
48+30	0.0000	0.51	Q					53+40	0.0000	0.42	Q				
48+35	0.0000	0.51	Q					53+45	0.0000	0.42	Q				
48+40	0.0000	0.51	Q					53+50	0.0000	0.42	Q				
48+45	0.0000	0.51	Q					53+55	0.0000	0.42	Q				
48+50	0.0000	0.51	Q					54+ 0	0.0000	0.42	Q				
48+55	0.0000	0.51	Q					54+ 5	0.0000	0.41	Q				
49+ 0	0.0000	0.50	Q					54+10	0.0000	0.41	Q				
49+ 5	0.0000	0.50	Q					54+15	0.0000	0.41	Q				
49+10	0.0000	0.50	Q					54+20	0.0000	0.41	Q				
49+15	0.0000	0.50	Q					54+25	0.0000	0.41	Q				
49+20	0.0000	0.50	Q					54+30	0.0000	0.41	Q				
49+25	0.0000	0.50	Q					54+35	0.0000	0.41	Q				
49+30	0.0000	0.50	Q					54+40	0.0000	0.41	Q				
49+35	0.0000	0.49	Q					54+45	0.0000	0.40	Q				
49+40	0.0000	0.49	Q					54+50	0.0000	0.40	Q				
49+45	0.0000	0.49	Q					54+55	0.0000	0.40	Q				
49+50	0.0000	0.49	Q					55+ 0	0.0000	0.40	Q				
49+55	0.0000	0.49	Q					55+ 5	0.0000	0.40	Q				
50+ 0	0.0000	0.49	Q					55+10	0.0000	0.39	Q				
50+ 5	0.0000	0.48	Q					55+15	0.0000	0.39	Q				
50+10	0.0000	0.48	Q					55+20	0.0000	0.39	Q				
50+15	0.0000	0.48	Q					55+25	0.0000	0.38	Q				
50+20	0.0000	0.48	Q					55+30	0.0000	0.38	Q				
50+25	0.0000	0.48	Q					55+35	0.0000	0.38	Q				
50+30	0.0000	0.48	Q					55+40	0.0000	0.37	Q				
50+35	0.0000	0.47	Q					55+45	0.0000	0.37	Q				
50+40	0.0000	0.47	Q					55+50	0.0000	0.37	Q				
50+45	0.0000	0.47	Q					55+55	0.0000	0.36	Q				
50+50	0.0000	0.47	Q					56+ 0	0.0000	0.36	Q				
50+55	0.0000	0.47	Q					56+ 5	0.0000	0.36	Q				
51+ 0	0.0000	0.47	Q					56+10	0.0000	0.35	Q				
51+ 5	0.0000	0.47	Q					56+15	0.0000	0.35	Q				
51+10	0.0000	0.46	Q					56+20	0.0000	0.35	Q				
51+15	0.0000	0.46	Q					56+25	0.0000	0.35	Q				
51+20	0.0000	0.46	Q					56+30	0.0000	0.34	Q				
51+25	0.0000	0.46	Q					56+35	0.0000	0.34	Q				

56+40	0.0000	0.34	Q					61+50	0.0000	0.20	Q				
56+45	0.0000	0.33	Q					61+55	0.0000	0.20	Q				
56+50	0.0000	0.33	Q					62+ 0	0.0000	0.19	Q				
56+55	0.0000	0.33	Q					62+ 5	0.0000	0.19	Q				
57+ 0	0.0000	0.33	Q					62+10	0.0000	0.19	Q				
57+ 5	0.0000	0.32	Q					62+15	0.0000	0.19	Q				
57+10	0.0000	0.32	Q					62+20	0.0000	0.19	Q				
57+15	0.0000	0.32	Q					62+25	0.0000	0.19	Q				
57+20	0.0000	0.31	Q					62+30	0.0000	0.18	Q				
57+25	0.0000	0.31	Q					62+35	0.0000	0.18	Q				
57+30	0.0000	0.31	Q					62+40	0.0000	0.18	Q				
57+35	0.0000	0.31	Q					62+45	0.0000	0.18	Q				
57+40	0.0000	0.30	Q					62+50	0.0000	0.18	Q				
57+45	0.0000	0.30	Q					62+55	0.0000	0.18	Q				
57+50	0.0000	0.30	Q					63+ 0	0.0000	0.17	Q				
57+55	0.0000	0.30	Q					63+ 5	0.0000	0.17	Q				
58+ 0	0.0000	0.29	Q					63+10	0.0000	0.17	Q				
58+ 5	0.0000	0.29	Q					63+15	0.0000	0.17	Q				
58+10	0.0000	0.29	Q					63+20	0.0000	0.17	Q				
58+15	0.0000	0.29	Q					63+25	0.0000	0.17	Q				
58+20	0.0000	0.28	Q					63+30	0.0000	0.17	Q				
58+25	0.0000	0.28	Q					63+35	0.0000	0.16	Q				
58+30	0.0000	0.28	Q					63+40	0.0000	0.16	Q				
58+35	0.0000	0.28	Q					63+45	0.0000	0.16	Q				
58+40	0.0000	0.27	Q					63+50	0.0000	0.16	Q				
58+45	0.0000	0.27	Q					63+55	0.0000	0.16	Q				
58+50	0.0000	0.27	Q					64+ 0	0.0000	0.16	Q				
58+55	0.0000	0.27	Q					64+ 5	0.0000	0.16	Q				
59+ 0	0.0000	0.26	Q					64+10	0.0000	0.15	Q				
59+ 5	0.0000	0.26	Q					64+15	0.0000	0.15	Q				
59+10	0.0000	0.26	Q					64+20	0.0000	0.15	Q				
59+15	0.0000	0.26	Q					64+25	0.0000	0.15	Q				
59+20	0.0000	0.26	Q					64+30	0.0000	0.15	Q				
59+25	0.0000	0.25	Q					64+35	0.0000	0.15	Q				
59+30	0.0000	0.25	Q					64+40	0.0000	0.15	Q				
59+35	0.0000	0.25	Q					64+45	0.0000	0.15	Q				
59+40	0.0000	0.25	Q					64+50	0.0000	0.14	Q				
59+45	0.0000	0.24	Q					64+55	0.0000	0.14	Q				
59+50	0.0000	0.24	Q					65+ 0	0.0000	0.14	Q				
59+55	0.0000	0.24	Q					65+ 5	0.0000	0.14	Q				
60+ 0	0.0000	0.24	Q					65+10	0.0000	0.14	Q				
60+ 5	0.0000	0.24	Q					65+15	0.0000	0.14	Q				
60+10	0.0000	0.23	Q					65+20	0.0000	0.14	Q				
60+15	0.0000	0.23	Q					65+25	0.0000	0.14	Q				
60+20	0.0000	0.23	Q					65+30	0.0000	0.13	Q				
60+25	0.0000	0.23	Q					65+35	0.0000	0.13	Q				
60+30	0.0000	0.23	Q					65+40	0.0000	0.13	Q				
60+35	0.0000	0.22	Q					65+45	0.0000	0.13	Q				
60+40	0.0000	0.22	Q					65+50	0.0000	0.13	Q				
60+45	0.0000	0.22	Q					65+55	0.0000	0.13	Q				
60+50	0.0000	0.22	Q					66+ 0	0.0000	0.13	Q				
60+55	0.0000	0.22	Q					66+ 5	0.0000	0.13	Q				
61+ 0	0.0000	0.21	Q					66+10	0.0000	0.13	Q				
61+ 5	0.0000	0.21	Q					66+15	0.0000	0.12	Q				
61+10	0.0000	0.21	Q					66+20	0.0000	0.12	Q				
61+15	0.0000	0.21	Q					66+25	0.0000	0.12	Q				
61+20	0.0000	0.21	Q					66+30	0.0000	0.12	Q				
61+25	0.0000	0.21	Q					66+35	0.0000	0.12	Q				
61+30	0.0000	0.20	Q					66+40	0.0000	0.12	Q				
61+35	0.0000	0.20	Q					66+45	0.0000	0.12	Q				
61+40	0.0000	0.20	Q					66+50	0.0000	0.12	Q				
61+45	0.0000	0.20	Q					66+55	0.0000	0.12	Q				

67+ 0	0.0000	0.12	Q	|	|	|	|	72+10	0.0000	0.07	Q	|	|	|	|
67+ 5	0.0000	0.11	Q	|	|	|	|	72+15	0.0000	0.07	Q	|	|	|	|
67+10	0.0000	0.11	Q	|	|	|	|	72+20	0.0000	0.07	Q	|	|	|	|
67+15	0.0000	0.11	Q	|	|	|	|	72+25	0.0000	0.07	Q	|	|	|	|
67+20	0.0000	0.11	Q	|	|	|	|	72+30	0.0000	0.07	Q	|	|	|	|
67+25	0.0000	0.11	Q	|	|	|	|	72+35	0.0000	0.06	Q	|	|	|	|
67+30	0.0000	0.11	Q	|	|	|	|	72+40	0.0000	0.06	Q	|	|	|	|
67+35	0.0000	0.11	Q	|	|	|	|	72+45	0.0000	0.06	Q	|	|	|	|
67+40	0.0000	0.11	Q	|	|	|	|	72+50	0.0000	0.06	Q	|	|	|	|
67+45	0.0000	0.11	Q	|	|	|	|	72+55	0.0000	0.06	Q	|	|	|	|
67+50	0.0000	0.11	Q	|	|	|	|	73+ 0	0.0000	0.06	Q	|	|	|	|
67+55	0.0000	0.10	Q	|	|	|	|	73+ 5	0.0000	0.06	Q	|	|	|	|
68+ 0	0.0000	0.10	Q	|	|	|	|	73+10	0.0000	0.06	Q	|	|	|	|
68+ 5	0.0000	0.10	Q	|	|	|	|	73+15	0.0000	0.06	Q	|	|	|	|
68+10	0.0000	0.10	Q	|	|	|	|	73+20	0.0000	0.06	Q	|	|	|	|
68+15	0.0000	0.10	Q	|	|	|	|	73+25	0.0000	0.06	Q	|	|	|	|
68+20	0.0000	0.10	Q	|	|	|	|	73+30	0.0000	0.06	Q	|	|	|	|
68+25	0.0000	0.10	Q	|	|	|	|	73+35	0.0000	0.06	Q	|	|	|	|
68+30	0.0000	0.10	Q	|	|	|	|	73+40	0.0000	0.06	Q	|	|	|	|
68+35	0.0000	0.10	Q	|	|	|	|	73+45	0.0000	0.06	Q	|	|	|	|
68+40	0.0000	0.10	Q	|	|	|	|	73+50	0.0000	0.06	Q	|	|	|	|
68+45	0.0000	0.10	Q	|	|	|	|	73+55	0.0000	0.06	Q	|	|	|	|
68+50	0.0000	0.10	Q	|	|	|	|	74+ 0	0.0000	0.06	Q	|	|	|	|
68+55	0.0000	0.09	Q	|	|	|	|	74+ 5	0.0000	0.06	Q	|	|	|	|
69+ 0	0.0000	0.09	Q	|	|	|	|	74+10	0.0000	0.05	Q	|	|	|	|
69+ 5	0.0000	0.09	Q	|	|	|	|	74+15	0.0000	0.05	Q	|	|	|	|
69+10	0.0000	0.09	Q	|	|	|	|	74+20	0.0000	0.05	Q	|	|	|	|
69+15	0.0000	0.09	Q	|	|	|	|	74+25	0.0000	0.05	Q	|	|	|	|
69+20	0.0000	0.09	Q	|	|	|	|	74+30	0.0000	0.05	Q	|	|	|	|
69+25	0.0000	0.09	Q	|	|	|	|	74+35	0.0000	0.05	Q	|	|	|	|
69+30	0.0000	0.09	Q	|	|	|	|	74+40	0.0000	0.05	Q	|	|	|	|
69+35	0.0000	0.09	Q	|	|	|	|	74+45	0.0000	0.05	Q	|	|	|	|
69+40	0.0000	0.09	Q	|	|	|	|	74+50	0.0000	0.05	Q	|	|	|	|
69+45	0.0000	0.09	Q	|	|	|	|	74+55	0.0000	0.05	Q	|	|	|	|
69+50	0.0000	0.09	Q	|	|	|	|	75+ 0	0.0000	0.05	Q	|	|	|	|
69+55	0.0000	0.09	Q	|	|	|	|	75+ 5	0.0000	0.05	Q	|	|	|	|
70+ 0	0.0000	0.08	Q	|	|	|	|	75+10	0.0000	0.05	Q	|	|	|	|
70+ 5	0.0000	0.08	Q	|	|	|	|	75+15	0.0000	0.05	Q	|	|	|	|
70+10	0.0000	0.08	Q	|	|	|	|	75+20	0.0000	0.05	Q	|	|	|	|
70+15	0.0000	0.08	Q	|	|	|	|	75+25	0.0000	0.05	Q	|	|	|	|
70+20	0.0000	0.08	Q	|	|	|	|	75+30	0.0000	0.05	Q	|	|	|	|
70+25	0.0000	0.08	Q	|	|	|	|	75+35	0.0000	0.05	Q	|	|	|	|
70+30	0.0000	0.08	Q	|	|	|	|	75+40	0.0000	0.05	Q	|	|	|	|
70+35	0.0000	0.08	Q	|	|	|	|	75+45	0.0000	0.05	Q	|	|	|	|
70+40	0.0000	0.08	Q	|	|	|	|	75+50	0.0000	0.05	Q	|	|	|	|
70+45	0.0000	0.08	Q	|	|	|	|	75+55	0.0000	0.05	Q	|	|	|	|
70+50	0.0000	0.08	Q	|	|	|	|	76+ 0	0.0000	0.05	Q	|	|	|	|
70+55	0.0000	0.08	Q	|	|	|	|	76+ 5	0.0000	0.05	Q	|	|	|	|
71+ 0	0.0000	0.08	Q	|	|	|	|	76+10	0.0000	0.04	Q	|	|	|	|
71+ 5	0.0000	0.08	Q	|	|	|	|	76+15	0.0000	0.04	Q	|	|	|	|
71+10	0.0000	0.07	Q	|	|	|	|	76+20	0.0000	0.04	Q	|	|	|	|
71+15	0.0000	0.07	Q	|	|	|	|	76+25	0.0000	0.04	Q	|	|	|	|
71+20	0.0000	0.07	Q	|	|	|	|	76+30	0.0000	0.04	Q	|	|	|	|
71+25	0.0000	0.07	Q	|	|	|	|	76+35	0.0000	0.04	Q	|	|	|	|
71+30	0.0000	0.07	Q	|	|	|	|	76+40	0.0000	0.04	Q	|	|	|	|
71+35	0.0000	0.07	Q	|	|	|	|	76+45	0.0000	0.04	Q	|	|	|	|
71+40	0.0000	0.07	Q	|	|	|	|	76+50	0.0000	0.04	Q	|	|	|	|
71+45	0.0000	0.07	Q	|	|	|	|	76+55	0.0000	0.04	Q	|	|	|	|
71+50	0.0000	0.07	Q	|	|	|	|	77+ 0	0.0000	0.04	Q	|	|	|	|
71+55	0.0000	0.07	Q	|	|	|	|	77+ 5	0.0000	0.04	Q	|	|	|	|
72+ 0	0.0000	0.07	Q	|	|	|	|	77+10	0.0000	0.04	Q	|	|	|	|
72+ 5	0.0000	0.07	Q	|	|	|	|	77+15	0.0000	0.04	Q	|	|	|	|

77+20	0.0000	0.04	Q					82+30	0.0000	0.02	Q				
77+25	0.0000	0.04	Q					82+35	0.0000	0.02	Q				
77+30	0.0000	0.04	Q					82+40	0.0000	0.02	Q				
77+35	0.0000	0.04	Q					82+45	0.0000	0.02	Q				
77+40	0.0000	0.04	Q					82+50	0.0000	0.02	Q				
77+45	0.0000	0.04	Q					82+55	0.0000	0.02	Q				
77+50	0.0000	0.04	Q					83+ 0	0.0000	0.02	Q				
77+55	0.0000	0.04	Q					83+ 5	0.0000	0.02	Q				
78+ 0	0.0000	0.04	Q					83+10	0.0000	0.02	Q				
78+ 5	0.0000	0.04	Q					83+15	0.0000	0.02	Q				
78+10	0.0000	0.04	Q					83+20	0.0000	0.02	Q				
78+15	0.0000	0.04	Q					83+25	0.0000	0.02	Q				
78+20	0.0000	0.04	Q					83+30	0.0000	0.02	Q				
78+25	0.0000	0.04	Q					83+35	0.0000	0.02	Q				
78+30	0.0000	0.04	Q					83+40	0.0000	0.02	Q				
78+35	0.0000	0.03	Q					83+45	0.0000	0.02	Q				
78+40	0.0000	0.03	Q					83+50	0.0000	0.02	Q				
78+45	0.0000	0.03	Q					83+55	0.0000	0.02	Q				
78+50	0.0000	0.03	Q					84+ 0	0.0000	0.02	Q				
78+55	0.0000	0.03	Q					84+ 5	0.0000	0.02	Q				
79+ 0	0.0000	0.03	Q					84+10	0.0000	0.02	Q				
79+ 5	0.0000	0.03	Q					84+15	0.0000	0.02	Q				
79+10	0.0000	0.03	Q					84+20	0.0000	0.02	Q				
79+15	0.0000	0.03	Q					84+25	0.0000	0.02	Q				
79+20	0.0000	0.03	Q					84+30	0.0000	0.02	Q				
79+25	0.0000	0.03	Q					84+35	0.0000	0.02	Q				
79+30	0.0000	0.03	Q					84+40	0.0000	0.02	Q				
79+35	0.0000	0.03	Q					84+45	0.0000	0.02	Q				
79+40	0.0000	0.03	Q					84+50	0.0000	0.02	Q				
79+45	0.0000	0.03	Q					84+55	0.0000	0.02	Q				
79+50	0.0000	0.03	Q					85+ 0	0.0000	0.02	Q				
79+55	0.0000	0.03	Q					85+ 5	0.0000	0.02	Q				
80+ 0	0.0000	0.03	Q					85+10	0.0000	0.02	Q				
80+ 5	0.0000	0.03	Q					85+15	0.0000	0.02	Q				
80+10	0.0000	0.03	Q					85+20	0.0000	0.02	Q				
80+15	0.0000	0.03	Q					85+25	0.0000	0.02	Q				
80+20	0.0000	0.03	Q					85+30	0.0000	0.02	Q				
80+25	0.0000	0.03	Q					85+35	0.0000	0.02	Q				
80+30	0.0000	0.03	Q					85+40	0.0000	0.02	Q				
80+35	0.0000	0.03	Q					85+45	0.0000	0.02	Q				
80+40	0.0000	0.03	Q					85+50	0.0000	0.02	Q				
80+45	0.0000	0.03	Q					85+55	0.0000	0.02	Q				
80+50	0.0000	0.03	Q					86+ 0	0.0000	0.02	Q				
80+55	0.0000	0.03	Q					86+ 5	0.0000	0.02	Q				
81+ 0	0.0000	0.03	Q					86+10	0.0000	0.02	Q				
81+ 5	0.0000	0.03	Q					86+15	0.0000	0.02	Q				
81+10	0.0000	0.03	Q					86+20	0.0000	0.02	Q				
81+15	0.0000	0.03	Q					86+25	0.0000	0.02	Q				
81+20	0.0000	0.03	Q					86+30	0.0000	0.02	Q				
81+25	0.0000	0.03	Q					86+35	0.0000	0.02	Q				
81+30	0.0000	0.03	Q					86+40	0.0000	0.02	Q				
81+35	0.0000	0.03	Q					86+45	0.0000	0.01	Q				
81+40	0.0000	0.03	Q					86+50	0.0000	0.01	Q				
81+45	0.0000	0.03	Q					86+55	0.0000	0.01	Q				
81+50	0.0000	0.02	Q					87+ 0	0.0000	0.01	Q				
81+55	0.0000	0.02	Q					87+ 5	0.0000	0.01	Q				
82+ 0	0.0000	0.02	Q					87+10	0.0000	0.01	Q				
82+ 5	0.0000	0.02	Q					87+15	0.0000	0.01	Q				
82+10	0.0000	0.02	Q					87+20	0.0000	0.01	Q				
82+15	0.0000	0.02	Q					87+25	0.0000	0.01	Q				
82+20	0.0000	0.02	Q					87+30	0.0000	0.01	Q				
82+25	0.0000	0.02	Q					87+35	0.0000	0.01	Q				

87+40	0.0000	0.01	Q					92+50	0.0000	0.01	Q				
87+45	0.0000	0.01	Q					92+55	0.0000	0.01	Q				
87+50	0.0000	0.01	Q					93+ 0	0.0000	0.01	Q				
87+55	0.0000	0.01	Q					93+ 5	0.0000	0.01	Q				
88+ 0	0.0000	0.01	Q					93+10	0.0000	0.01	Q				
88+ 5	0.0000	0.01	Q					93+15	0.0000	0.01	Q				
88+10	0.0000	0.01	Q					93+20	0.0000	0.01	Q				
88+15	0.0000	0.01	Q					93+25	0.0000	0.01	Q				
88+20	0.0000	0.01	Q					93+30	0.0000	0.01	Q				
88+25	0.0000	0.01	Q					93+35	0.0000	0.01	Q				
88+30	0.0000	0.01	Q					93+40	0.0000	0.01	Q				
88+35	0.0000	0.01	Q					93+45	0.0000	0.01	Q				
88+40	0.0000	0.01	Q					93+50	0.0000	0.01	Q				
88+45	0.0000	0.01	Q					93+55	0.0000	0.01	Q				
88+50	0.0000	0.01	Q					94+ 0	0.0000	0.01	Q				
88+55	0.0000	0.01	Q					94+ 5	0.0000	0.01	Q				
89+ 0	0.0000	0.01	Q					94+10	0.0000	0.01	Q				
89+ 5	0.0000	0.01	Q					94+15	0.0000	0.01	Q				
89+10	0.0000	0.01	Q					94+20	0.0000	0.01	Q				
89+15	0.0000	0.01	Q					94+25	0.0000	0.01	Q				
89+20	0.0000	0.01	Q					94+30	0.0000	0.01	Q				
89+25	0.0000	0.01	Q					94+35	0.0000	0.01	Q				
89+30	0.0000	0.01	Q					94+40	0.0000	0.01	Q				
89+35	0.0000	0.01	Q					94+45	0.0000	0.01	Q				
89+40	0.0000	0.01	Q					94+50	0.0000	0.01	Q				
89+45	0.0000	0.01	Q					94+55	0.0000	0.01	Q				
89+50	0.0000	0.01	Q					95+ 0	0.0000	0.01	Q				
89+55	0.0000	0.01	Q					95+ 5	0.0000	0.01	Q				
90+ 0	0.0000	0.01	Q					95+10	0.0000	0.01	Q				
90+ 5	0.0000	0.01	Q					95+15	0.0000	0.01	Q				
90+10	0.0000	0.01	Q					95+20	0.0000	0.01	Q				
90+15	0.0000	0.01	Q					95+25	0.0000	0.01	Q				
90+20	0.0000	0.01	Q					95+30	0.0000	0.01	Q				
90+25	0.0000	0.01	Q					95+35	0.0000	0.01	Q				
90+30	0.0000	0.01	Q					95+40	0.0000	0.01	Q				
90+35	0.0000	0.01	Q					95+45	0.0000	0.01	Q				
90+40	0.0000	0.01	Q					95+50	0.0000	0.01	Q				
90+45	0.0000	0.01	Q					95+55	0.0000	0.01	Q				
90+50	0.0000	0.01	Q					96+ 0	0.0000	0.01	Q				
90+55	0.0000	0.01	Q					96+ 5	0.0000	0.01	Q				
91+ 0	0.0000	0.01	Q					96+10	0.0000	0.01	Q				
91+ 5	0.0000	0.01	Q					96+15	0.0000	0.01	Q				
91+10	0.0000	0.01	Q					96+20	0.0000	0.01	Q				
91+15	0.0000	0.01	Q					96+25	0.0000	0.01	Q				
91+20	0.0000	0.01	Q					96+30	0.0000	0.01	Q				
91+25	0.0000	0.01	Q					96+35	0.0000	0.01	Q				
91+30	0.0000	0.01	Q					96+40	0.0000	0.01	Q				
91+35	0.0000	0.01	Q					96+45	0.0000	0.01	Q				
91+40	0.0000	0.01	Q					96+50	0.0000	0.01	Q				
91+45	0.0000	0.01	Q					96+55	0.0000	0.01	Q				
91+50	0.0000	0.01	Q					97+ 0	0.0000	0.01	Q				
91+55	0.0000	0.01	Q					97+ 5	0.0000	0.01	Q				
92+ 0	0.0000	0.01	Q					97+10	0.0000	0.01	Q				
92+ 5	0.0000	0.01	Q					97+15	0.0000	0.01	Q				
92+10	0.0000	0.01	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.01	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.01	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.01	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.01	Q					97+40	0.0000	0.00	Q				
92+35	0.0000	0.01	Q					97+45	0.0000	0.00	Q				
92+40	0.0000	0.01	Q					97+50	0.0000	0.00	Q				
92+45	0.0000	0.01	Q					97+55	0.0000	0.00	Q				

98+ 0	0.0000	0.00	Q					103+10	0.0000	0.00	Q				
98+ 5	0.0000	0.00	Q					103+15	0.0000	0.00	Q				
98+10	0.0000	0.00	Q					103+20	0.0000	0.00	Q				
98+15	0.0000	0.00	Q					103+25	0.0000	0.00	Q				
98+20	0.0000	0.00	Q					103+30	0.0000	0.00	Q				
98+25	0.0000	0.00	Q					103+35	0.0000	0.00	Q				
98+30	0.0000	0.00	Q					103+40	0.0000	0.00	Q				
98+35	0.0000	0.00	Q					103+45	0.0000	0.00	Q				
98+40	0.0000	0.00	Q					103+50	0.0000	0.00	Q				
98+45	0.0000	0.00	Q					103+55	0.0000	0.00	Q				
98+50	0.0000	0.00	Q					104+ 0	0.0000	0.00	Q				
98+55	0.0000	0.00	Q					104+ 5	0.0000	0.00	Q				
99+ 0	0.0000	0.00	Q					104+10	0.0000	0.00	Q				
99+ 5	0.0000	0.00	Q					104+15	0.0000	0.00	Q				
99+10	0.0000	0.00	Q					104+20	0.0000	0.00	Q				
99+15	0.0000	0.00	Q					104+25	0.0000	0.00	Q				
99+20	0.0000	0.00	Q					104+30	0.0000	0.00	Q				
99+25	0.0000	0.00	Q					104+35	0.0000	0.00	Q				
99+30	0.0000	0.00	Q					104+40	0.0000	0.00	Q				
99+35	0.0000	0.00	Q					104+45	0.0000	0.00	Q				
99+40	0.0000	0.00	Q					104+50	0.0000	0.00	Q				
99+45	0.0000	0.00	Q					104+55	0.0000	0.00	Q				
99+50	0.0000	0.00	Q					105+ 0	0.0000	0.00	Q				
99+55	0.0000	0.00	Q					105+ 5	0.0000	0.00	Q				
100+ 0	0.0000	0.00	Q					105+10	0.0000	0.00	Q				
100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				
102+55	0.0000	0.00	Q					108+ 5	0.0000	0.00	Q				
103+ 0	0.0000	0.00	Q					108+10	0.0000	0.00	Q				
103+ 5	0.0000	0.00	Q					108+15	0.0000	0.00	Q				

108+20	0.0000	0.00	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.00	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.00	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.00	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.00	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.00	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.00	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.00	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				

118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q				

129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+10	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+15	0.0000	0.00	Q				
133+10	0.0000	0.00	Q					138+20	0.0000	0.00	Q				
133+15	0.0000	0.00	Q					138+25	0.0000	0.00	Q				
133+20	0.0000	0.00	Q					138+30	0.0000	0.00	Q				
133+25	0.0000	0.00	Q					138+35	0.0000	0.00	Q				
133+30	0.0000	0.00	Q					138+40	0.0000	0.00	Q				
133+35	0.0000	0.00	Q					138+45	0.0000	0.00	Q				
133+40	0.0000	0.00	Q					138+50	0.0000	0.00	Q				
133+45	0.0000	0.00	Q					138+55	0.0000	0.00	Q				
133+50	0.0000	0.00	Q					139+ 0	0.0000	0.00	Q				
133+55	0.0000	0.00	Q					139+ 5	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q					139+10	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q					139+15	0.0000	0.00	Q				

```
 139+20       0.0000      0.00  Q         |         |         |         |
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  5002
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      393.900 (CFS)
                        Total volume =      45.972 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     1.682     0.000     0.000
                Vol (Ac.Ft)     0.000     0.000     2.911     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.920 to Point/Station       10.960
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        From stored stream number 3 the total
        volume of       2.91 (Ac.Ft) is being added to the
        current hydrograph at its original rate from user
        with a delay time to start of addition of    0.00 hours.
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0       98.9     197.8     296.7     395.6
 ---------------------------------------------------------------------------
   0+ 5       0.0280      0.55  Q         |         |         |         |
   0+10       0.1086      2.34  Q         |         |         |         |
   0+15       0.2109      5.57  Q         |         |         |         |
   0+20       0.3330     12.46  qQ        |         |         |         |
   0+25       0.4733     16.90  qQ        |         |         |         |
   0+30       0.5936     19.91  q Q       |         |         |         |
   0+35       0.6694     24.71  q Q       |         |         |         |
   0+40       0.7449     29.21  q Q       |         |         |         |
   0+45       0.8051     35.99  q  Q      |         |         |         |
   0+50       0.8492     37.17  q  Q      |         |         |         |
   0+55       0.8890     41.47  q   Q     |         |         |         |
   1+ 0       0.9294     43.60  q   Q     |         |         |         |
   1+ 5       0.9662     42.08  q   Q     |         |         |         |
   1+10       1.0058     46.11  q   Q     |         |         |         |
   1+15       1.0480     55.02  q    Q    |         |         |         |
   1+20       1.0863     66.33  q     Q   |         |         |         |
   1+25       1.1158     73.12  q      Q  |         |         |         |
   1+30       1.1501     78.23  q      Q  |         |         |         |
   1+35       1.1863     82.60  q       Q |         |         |         |
   1+40       1.2167     95.10  q        Q|         |         |         |
   1+45       1.2469    105.15  q         Q        |         |         |
   1+50       1.2813    110.07  q         |Q       |         |         |
   1+55       1.3144    121.17  q         | Q      |         |         |
   2+ 0       1.3397    136.36  q         |  Q     |         |         |
   2+ 5       1.3651    141.49  q         |   Q    |         |         |
   2+10       1.3942    143.95  q         |   Q    |         |         |
   2+15       1.4264    154.58  q         |    Q   |         |         |
   2+20       1.4573    171.74  q         |     Q  |         |         |
   2+25       1.4909    204.28  q         |      Q |         |         |
   2+30       1.5308    241.30  q         |        |  Q      |         |
   2+35       1.5784    268.38  q         |        |     Q   |         |
   2+40       1.6218    343.32  q         |        |        Q|         |
   2+45       1.6522    389.43  q         |        |         |        Q|
   2+50       1.6671    395.57  q         |        |         |         Q
   2+55       1.6751    337.24  q         |        |         |        Q|
   3+ 0       1.6805    239.52  q         |        |  Q      |         |
   3+ 5       1.6820    180.61  q         |      Q |         |         |
   3+10       1.6814    146.08  q         |   Q    |         |         |
   3+15       1.6801    113.36  q         |Q       |         |         |
   3+20       1.6786     88.23  q       Q |        |         |         |
   3+25       1.6770     70.69  q      Q  |        |         |         |
   3+30       1.6754     57.52  q    Q    |        |         |         |
   3+35       1.6738     46.60  q   Q     |        |         |         |
   3+40       1.6722     37.98  q  Q      |        |         |         |
   3+45       1.6706     31.38  q  Q      |        |         |         |
   3+50       1.6690     26.98  q Q       |        |         |         |
   3+55       1.6675     24.24  q Q       |        |         |         |
   4+ 0       1.6659     22.25  q Q       |        |         |         |
   4+ 5       1.6643     20.73  q Q       |        |         |         |
   4+10       1.6627     19.53  qQ        |        |         |         |
   4+15       1.6611     18.51  qQ        |        |         |         |
   4+20       1.6596     17.21  qQ        |        |         |         |
   4+25       1.6580     15.78  qQ        |        |         |         |
   4+30       1.6564     14.60  qQ        |        |         |         |
   4+35       1.6548     13.61  qQ        |        |         |         |
   4+40       1.6533     12.80  qQ        |        |         |         |
   4+45       1.6517     12.20  qQ        |        |         |         |
   4+50       1.6501     11.74  qQ        |        |         |         |
   4+55       1.6485     11.33  qQ        |        |         |         |
   5+ 0       1.6470     10.96  qQ        |        |         |         |
   5+ 5       1.6454     10.62  qQ        |        |         |         |
   5+10       1.6438     10.30  qQ        |        |         |         |
   5+15       1.6423      9.99  qQ        |        |         |         |
   5+20       1.6407      9.70  Q         |        |         |         |
   5+25       1.6392      9.43  Q         |        |         |         |
   5+30       1.6376      9.17  Q         |        |         |         |
   5+35       1.6361      8.92  Q         |        |         |         |
   5+40       1.6345      8.68  Q         |        |         |         |
   5+45       1.6329      8.46  Q         |        |         |         |
   5+50       1.6314      8.24  Q         |        |         |         |
   5+55       1.6298      8.04  Q         |        |         |         |
   6+ 0       1.6283      7.85  Q         |        |         |         |
   6+ 5       1.6267      7.66  Q         |        |         |         |
   6+10       1.6252      7.49  Q         |        |         |         |
   6+15       1.6237      7.32  Q         |        |         |         |
   6+20       1.6221      7.17  Q         |        |         |         |
   6+25       1.6206      7.01  Q         |        |         |         |
   6+30       1.6190      6.87  Q         |        |         |         |
   6+35       1.6175      6.74  Q         |        |         |         |
   6+40       1.6160      6.61  Q         |        |         |         |
   6+45       1.6144      6.48  Q         |        |         |         |
   6+50       1.6129      6.37  Q         |        |         |         |
   6+55       1.6114      6.25  Q         |        |         |         |
   7+ 0       1.6098      6.15  Q         |        |         |         |
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7+ 5	1.6083	6.05	Q					12+15	1.5062	5.65	Q				
7+10	1.6068	5.98	Q					12+20	1.5046	5.64	Q				
7+15	1.6052	5.98	Q					12+25	1.5029	5.64	Q				
7+20	1.6037	5.97	Q					12+30	1.5013	5.63	Q				
7+25	1.6022	5.97	Q					12+35	1.4996	5.62	Q				
7+30	1.6007	5.96	Q					12+40	1.4978	5.62	Q				
7+35	1.5991	5.95	Q					12+45	1.4959	5.61	Q				
7+40	1.5976	5.95	Q					12+50	1.4940	5.61	Q				
7+45	1.5961	5.94	Q					12+55	1.4922	5.60	Q				
7+50	1.5946	5.94	Q					13+ 0	1.4903	5.60	Q				
7+55	1.5931	5.93	Q					13+ 5	1.4884	5.59	Q				
8+ 0	1.5916	5.93	Q					13+10	1.4866	5.58	Q				
8+ 5	1.5901	5.92	Q					13+15	1.4847	5.58	Q				
8+10	1.5883	5.92	Q					13+20	1.4829	5.57	Q				
8+15	1.5866	5.91	Q					13+25	1.4810	5.57	Q				
8+20	1.5849	5.91	Q					13+30	1.4792	5.56	Q				
8+25	1.5832	5.90	Q					13+35	1.4773	5.55	Q				
8+30	1.5815	5.90	Q					13+40	1.4755	5.55	Q				
8+35	1.5798	5.89	Q					13+45	1.4736	5.54	Q				
8+40	1.5780	5.89	Q					13+50	1.4718	5.54	Q				
8+45	1.5763	5.88	Q					13+55	1.4700	5.53	Q				
8+50	1.5746	5.87	Q					14+ 0	1.4681	5.53	Q				
8+55	1.5729	5.87	Q					14+ 5	1.4663	5.52	Q				
9+ 0	1.5712	5.86	Q					14+10	1.4645	5.51	Q				
9+ 5	1.5695	5.86	Q					14+15	1.4626	5.51	Q				
9+10	1.5678	5.85	Q					14+20	1.4608	5.50	Q				
9+15	1.5661	5.85	Q					14+25	1.4590	5.50	Q				
9+20	1.5644	5.84	Q					14+30	1.4571	5.49	Q				
9+25	1.5627	5.84	Q					14+35	1.4553	5.48	Q				
9+30	1.5610	5.83	Q					14+40	1.4535	5.48	Q				
9+35	1.5593	5.83	Q					14+45	1.4517	5.47	Q				
9+40	1.5577	5.82	Q					14+50	1.4499	5.47	Q				
9+45	1.5560	5.82	Q					14+55	1.4481	5.46	Q				
9+50	1.5543	5.81	Q					15+ 0	1.4463	5.46	Q				
9+55	1.5526	5.81	Q					15+ 5	1.4445	5.45	Q				
10+ 0	1.5509	5.80	Q					15+10	1.4427	5.44	Q				
10+ 5	1.5492	5.79	Q					15+15	1.4409	5.44	Q				
10+10	1.5476	5.79	Q					15+20	1.4391	5.43	Q				
10+15	1.5459	5.78	Q					15+25	1.4373	5.42	Q				
10+20	1.5442	5.78	Q					15+30	1.4355	5.42	Q				
10+25	1.5425	5.77	Q					15+35	1.4337	5.41	Q				
10+30	1.5409	5.77	Q					15+40	1.4319	5.41	Q				
10+35	1.5392	5.76	Q					15+45	1.4301	5.40	Q				
10+40	1.5375	5.76	Q					15+50	1.4283	5.39	Q				
10+45	1.5359	5.75	Q					15+55	1.4265	5.39	Q				
10+50	1.5342	5.74	Q					16+ 0	1.4247	5.38	Q				
10+55	1.5325	5.74	Q					16+ 5	1.4230	5.38	Q				
11+ 0	1.5309	5.73	Q					16+10	1.4212	5.37	Q				
11+ 5	1.5292	5.73	Q					16+15	1.4194	5.36	Q				
11+10	1.5276	5.72	Q					16+20	1.4176	5.36	Q				
11+15	1.5259	5.71	Q					16+25	1.4159	5.35	Q				
11+20	1.5243	5.71	Q					16+30	1.4141	5.35	Q				
11+25	1.5226	5.70	Q					16+35	1.4123	5.34	Q				
11+30	1.5210	5.70	Q					16+40	1.4106	5.33	Q				
11+35	1.5193	5.69	Q					16+45	1.4085	5.33	Q				
11+40	1.5177	5.69	Q					16+50	1.4062	5.32	Q				
11+45	1.5160	5.68	Q					16+55	1.4039	5.31	Q				
11+50	1.5144	5.68	Q					17+ 0	1.4016	5.31	Q				
11+55	1.5127	5.67	Q					17+ 5	1.3994	5.30	Q				
12+ 0	1.5111	5.66	Q					17+10	1.3971	5.30	Q				
12+ 5	1.5095	5.66	Q					17+15	1.3949	5.29	Q				
12+10	1.5078	5.65	Q					17+20	1.3926	5.28	Q				

17+25	1.3904	5.28	Q					22+35	1.2426	4.85	Q								
17+30	1.3881	5.27	Q					22+40	1.2400	4.84	Q								
17+35	1.3859	5.26	Q					22+45	1.2374	4.83	Q								
17+40	1.3836	5.26	Q					22+50	1.2348	4.83	Q								
17+45	1.3814	5.25	Q					22+55	1.2322	4.82	Q								
17+50	1.3792	5.24	Q					23+ 0	1.2296	4.81	Q								
17+55	1.3769	5.24	Q					23+ 5	1.2270	4.80	Q								
18+ 0	1.3747	5.23	Q					23+10	1.2245	4.80	Q								
18+ 5	1.3725	5.22	Q					23+15	1.2219	4.79	Q								
18+10	1.3703	5.22	Q					23+20	1.2193	4.78	Q								
18+15	1.3681	5.21	Q					23+25	1.2168	4.77	Q								
18+20	1.3658	5.21	Q					23+30	1.2142	4.77	Q								
18+25	1.3636	5.20	Q					23+35	1.2117	4.76	Q								
18+30	1.3614	5.19	Q					23+40	1.2091	4.75	Q								
18+35	1.3592	5.19	Q					23+45	1.2066	4.75	Q								
18+40	1.3570	5.18	Q					23+50	1.2041	4.74	Q								
18+45	1.3549	5.17	Q					23+55	1.2016	4.73	Q								
18+50	1.3527	5.17	Q					24+ 0	1.1987	4.72	Q								
18+55	1.3505	5.16	Q					24+ 5	1.1954	4.72	Q								
19+ 0	1.3483	5.16	Q					24+10	1.1922	4.71	Q								
19+ 5	1.3461	5.15	Q					24+15	1.1889	4.70	Q								
19+10	1.3439	5.14	Q					24+20	1.1856	4.69	Q								
19+15	1.3418	5.14	Q					24+25	1.1824	4.68	Q								
19+20	1.3396	5.13	Q					24+30	1.1792	4.68	Q								
19+25	1.3374	5.12	Q					24+35	1.1759	4.67	Q								
19+30	1.3353	5.12	Q					24+40	1.1727	4.66	Q								
19+35	1.3331	5.11	Q					24+45	1.1695	4.65	Q								
19+40	1.3310	5.11	Q					24+50	1.1663	4.64	Q								
19+45	1.3288	5.10	Q					24+55	1.1631	4.63	Q								
19+50	1.3267	5.09	Q					25+ 0	1.1599	4.63	Q								
19+55	1.3245	5.09	Q					25+ 5	0.0000	1.82	Q								
20+ 0	1.3224	5.08	Q					25+10	0.0000	1.81	Q								
20+ 5	1.3203	5.07	Q					25+15	0.0000	1.81	Q								
20+10	1.3181	5.06	Q					25+20	0.0000	1.81	Q								
20+15	1.3160	5.06	Q					25+25	0.0000	1.80	Q								
20+20	1.3139	5.05	Q					25+30	0.0000	1.80	Q								
20+25	1.3117	5.04	Q					25+35	0.0000	1.80	Q								
20+30	1.3095	5.04	Q					25+40	0.0000	1.79	Q								
20+35	1.3068	5.03	Q					25+45	0.0000	1.79	Q								
20+40	1.3040	5.02	Q					25+50	0.0000	1.79	Q								
20+45	1.3013	5.01	Q					25+55	0.0000	1.78	Q								
20+50	1.2986	5.01	Q					26+ 0	0.0000	1.78	Q								
20+55	1.2958	5.00	Q					26+ 5	0.0000	1.77	Q								
21+ 0	1.2931	4.99	Q					26+10	0.0000	1.77	Q								
21+ 5	1.2904	4.98	Q					26+15	0.0000	1.77	Q								
21+10	1.2877	4.98	Q					26+20	0.0000	1.76	Q								
21+15	1.2850	4.97	Q					26+25	0.0000	1.76	Q								
21+20	1.2823	4.96	Q					26+30	0.0000	1.76	Q								
21+25	1.2796	4.95	Q					26+35	0.0000	1.75	Q								
21+30	1.2769	4.95	Q					26+40	0.0000	1.75	Q								
21+35	1.2743	4.94	Q					26+45	0.0000	1.75	Q								
21+40	1.2716	4.93	Q					26+50	0.0000	1.74	Q								
21+45	1.2689	4.92	Q					26+55	0.0000	1.74	Q								
21+50	1.2663	4.92	Q					27+ 0	0.0000	1.73	Q								
21+55	1.2636	4.91	Q					27+ 5	0.0000	1.73	Q								
22+ 0	1.2610	4.90	Q					27+10	0.0000	1.73	Q								
22+ 5	1.2583	4.89	Q					27+15	0.0000	1.72	Q								
22+10	1.2557	4.89	Q					27+20	0.0000	1.72	Q								
22+15	1.2531	4.88	Q					27+25	0.0000	1.72	Q								
22+20	1.2504	4.87	Q					27+30	0.0000	1.71	Q								
22+25	1.2478	4.86	Q					27+35	0.0000	1.71	Q								
22+30	1.2452	4.86	Q					27+40	0.0000	1.71	Q								

27+45	0.0000	1.70	Q					32+55	0.0000	1.45	Q				
27+50	0.0000	1.70	Q					33+ 0	0.0000	1.45	Q				
27+55	0.0000	1.70	Q					33+ 5	0.0000	1.44	Q				
28+ 0	0.0000	1.69	Q					33+10	0.0000	1.44	Q				
28+ 5	0.0000	1.69	Q					33+15	0.0000	1.43	Q				
28+10	0.0000	1.69	Q					33+20	0.0000	1.43	Q				
28+15	0.0000	1.68	Q					33+25	0.0000	1.43	Q				
28+20	0.0000	1.68	Q					33+30	0.0000	1.42	Q				
28+25	0.0000	1.67	Q					33+35	0.0000	1.42	Q				
28+30	0.0000	1.67	Q					33+40	0.0000	1.41	Q				
28+35	0.0000	1.67	Q					33+45	0.0000	1.41	Q				
28+40	0.0000	1.66	Q					33+50	0.0000	1.40	Q				
28+45	0.0000	1.66	Q					33+55	0.0000	1.40	Q				
28+50	0.0000	1.66	Q					34+ 0	0.0000	1.39	Q				
28+55	0.0000	1.65	Q					34+ 5	0.0000	1.39	Q				
29+ 0	0.0000	1.65	Q					34+10	0.0000	1.38	Q				
29+ 5	0.0000	1.65	Q					34+15	0.0000	1.38	Q				
29+10	0.0000	1.64	Q					34+20	0.0000	1.37	Q				
29+15	0.0000	1.64	Q					34+25	0.0000	1.37	Q				
29+20	0.0000	1.63	Q					34+30	0.0000	1.36	Q				
29+25	0.0000	1.63	Q					34+35	0.0000	1.36	Q				
29+30	0.0000	1.62	Q					34+40	0.0000	1.35	Q				
29+35	0.0000	1.62	Q					34+45	0.0000	1.35	Q				
29+40	0.0000	1.61	Q					34+50	0.0000	1.34	Q				
29+45	0.0000	1.61	Q					34+55	0.0000	1.34	Q				
29+50	0.0000	1.61	Q					35+ 0	0.0000	1.33	Q				
29+55	0.0000	1.60	Q					35+ 5	0.0000	1.33	Q				
30+ 0	0.0000	1.60	Q					35+10	0.0000	1.32	Q				
30+ 5	0.0000	1.59	Q					35+15	0.0000	1.32	Q				
30+10	0.0000	1.59	Q					35+20	0.0000	1.31	Q				
30+15	0.0000	1.58	Q					35+25	0.0000	1.31	Q				
30+20	0.0000	1.58	Q					35+30	0.0000	1.30	Q				
30+25	0.0000	1.58	Q					35+35	0.0000	1.30	Q				
30+30	0.0000	1.57	Q					35+40	0.0000	1.29	Q				
30+35	0.0000	1.57	Q					35+45	0.0000	1.29	Q				
30+40	0.0000	1.56	Q					35+50	0.0000	1.28	Q				
30+45	0.0000	1.56	Q					35+55	0.0000	1.28	Q				
30+50	0.0000	1.55	Q					36+ 0	0.0000	1.27	Q				
30+55	0.0000	1.55	Q					36+ 5	0.0000	1.27	Q				
31+ 0	0.0000	1.54	Q					36+10	0.0000	1.26	Q				
31+ 5	0.0000	1.54	Q					36+15	0.0000	1.26	Q				
31+10	0.0000	1.54	Q					36+20	0.0000	1.25	Q				
31+15	0.0000	1.53	Q					36+25	0.0000	1.25	Q				
31+20	0.0000	1.53	Q					36+30	0.0000	1.24	Q				
31+25	0.0000	1.52	Q					36+35	0.0000	1.24	Q				
31+30	0.0000	1.52	Q					36+40	0.0000	1.23	Q				
31+35	0.0000	1.51	Q					36+45	0.0000	1.23	Q				
31+40	0.0000	1.51	Q					36+50	0.0000	1.22	Q				
31+45	0.0000	1.51	Q					36+55	0.0000	1.22	Q				
31+50	0.0000	1.50	Q					37+ 0	0.0000	1.21	Q				
31+55	0.0000	1.50	Q					37+ 5	0.0000	1.21	Q				
32+ 0	0.0000	1.49	Q					37+10	0.0000	1.20	Q				
32+ 5	0.0000	1.49	Q					37+15	0.0000	1.20	Q				
32+10	0.0000	1.49	Q					37+20	0.0000	1.20	Q				
32+15	0.0000	1.48	Q					37+25	0.0000	1.19	Q				
32+20	0.0000	1.48	Q					37+30	0.0000	1.19	Q				
32+25	0.0000	1.47	Q					37+35	0.0000	1.18	Q				
32+30	0.0000	1.47	Q					37+40	0.0000	1.18	Q				
32+35	0.0000	1.47	Q					37+45	0.0000	1.17	Q				
32+40	0.0000	1.46	Q					37+50	0.0000	1.17	Q				
32+45	0.0000	1.46	Q					37+55	0.0000	1.16	Q				
32+50	0.0000	1.45	Q					38+ 0	0.0000	1.16	Q				

38+ 5	0.0000	1.15	Q					43+15	0.0000	0.72	Q				
38+10	0.0000	1.15	Q					43+20	0.0000	0.71	Q				
38+15	0.0000	1.15	Q					43+25	0.0000	0.71	Q				
38+20	0.0000	1.14	Q					43+30	0.0000	0.70	Q				
38+25	0.0000	1.14	Q					43+35	0.0000	0.70	Q				
38+30	0.0000	1.13	Q					43+40	0.0000	0.69	Q				
38+35	0.0000	1.13	Q					43+45	0.0000	0.68	Q				
38+40	0.0000	1.12	Q					43+50	0.0000	0.68	Q				
38+45	0.0000	1.12	Q					43+55	0.0000	0.67	Q				
38+50	0.0000	1.11	Q					44+ 0	0.0000	0.67	Q				
38+55	0.0000	1.10	Q					44+ 5	0.0000	0.66	Q				
39+ 0	0.0000	1.09	Q					44+10	0.0000	0.66	Q				
39+ 5	0.0000	1.08	Q					44+15	0.0000	0.65	Q				
39+10	0.0000	1.08	Q					44+20	0.0000	0.65	Q				
39+15	0.0000	1.07	Q					44+25	0.0000	0.64	Q				
39+20	0.0000	1.06	Q					44+30	0.0000	0.63	Q				
39+25	0.0000	1.05	Q					44+35	0.0000	0.63	Q				
39+30	0.0000	1.04	Q					44+40	0.0000	0.62	Q				
39+35	0.0000	1.03	Q					44+45	0.0000	0.62	Q				
39+40	0.0000	1.02	Q					44+50	0.0000	0.61	Q				
39+45	0.0000	1.01	Q					44+55	0.0000	0.61	Q				
39+50	0.0000	1.01	Q					45+ 0	0.0000	0.60	Q				
39+55	0.0000	1.00	Q					45+ 5	0.0000	0.60	Q				
40+ 0	0.0000	0.99	Q					45+10	0.0000	0.59	Q				
40+ 5	0.0000	0.98	Q					45+15	0.0000	0.59	Q				
40+10	0.0000	0.97	Q					45+20	0.0000	0.58	Q				
40+15	0.0000	0.97	Q					45+25	0.0000	0.58	Q				
40+20	0.0000	0.96	Q					45+30	0.0000	0.58	Q				
40+25	0.0000	0.95	Q					45+35	0.0000	0.58	Q				
40+30	0.0000	0.94	Q					45+40	0.0000	0.57	Q				
40+35	0.0000	0.93	Q					45+45	0.0000	0.57	Q				
40+40	0.0000	0.93	Q					45+50	0.0000	0.57	Q				
40+45	0.0000	0.92	Q					45+55	0.0000	0.57	Q				
40+50	0.0000	0.91	Q					46+ 0	0.0000	0.57	Q				
40+55	0.0000	0.90	Q					46+ 5	0.0000	0.57	Q				
41+ 0	0.0000	0.90	Q					46+10	0.0000	0.56	Q				
41+ 5	0.0000	0.89	Q					46+15	0.0000	0.56	Q				
41+10	0.0000	0.88	Q					46+20	0.0000	0.56	Q				
41+15	0.0000	0.88	Q					46+25	0.0000	0.56	Q				
41+20	0.0000	0.87	Q					46+30	0.0000	0.56	Q				
41+25	0.0000	0.86	Q					46+35	0.0000	0.55	Q				
41+30	0.0000	0.85	Q					46+40	0.0000	0.55	Q				
41+35	0.0000	0.85	Q					46+45	0.0000	0.55	Q				
41+40	0.0000	0.84	Q					46+50	0.0000	0.55	Q				
41+45	0.0000	0.83	Q					46+55	0.0000	0.55	Q				
41+50	0.0000	0.83	Q					47+ 0	0.0000	0.55	Q				
41+55	0.0000	0.82	Q					47+ 5	0.0000	0.54	Q				
42+ 0	0.0000	0.81	Q					47+10	0.0000	0.54	Q				
42+ 5	0.0000	0.81	Q					47+15	0.0000	0.54	Q				
42+10	0.0000	0.80	Q					47+20	0.0000	0.54	Q				
42+15	0.0000	0.79	Q					47+25	0.0000	0.54	Q				
42+20	0.0000	0.79	Q					47+30	0.0000	0.54	Q				
42+25	0.0000	0.78	Q					47+35	0.0000	0.53	Q				
42+30	0.0000	0.77	Q					47+40	0.0000	0.53	Q				
42+35	0.0000	0.77	Q					47+45	0.0000	0.53	Q				
42+40	0.0000	0.76	Q					47+50	0.0000	0.53	Q				
42+45	0.0000	0.75	Q					47+55	0.0000	0.53	Q				
42+50	0.0000	0.75	Q					48+ 0	0.0000	0.52	Q				
42+55	0.0000	0.74	Q					48+ 5	0.0000	0.52	Q				
43+ 0	0.0000	0.74	Q					48+10	0.0000	0.52	Q				
43+ 5	0.0000	0.73	Q					48+15	0.0000	0.52	Q				
43+10	0.0000	0.72	Q					48+20	0.0000	0.52	Q				

48+25	0.0000	0.52	Q					53+35	0.0000	0.42	Q				
48+30	0.0000	0.51	Q					53+40	0.0000	0.42	Q				
48+35	0.0000	0.51	Q					53+45	0.0000	0.42	Q				
48+40	0.0000	0.51	Q					53+50	0.0000	0.42	Q				
48+45	0.0000	0.51	Q					53+55	0.0000	0.42	Q				
48+50	0.0000	0.51	Q					54+ 0	0.0000	0.42	Q				
48+55	0.0000	0.51	Q					54+ 5	0.0000	0.41	Q				
49+ 0	0.0000	0.50	Q					54+10	0.0000	0.41	Q				
49+ 5	0.0000	0.50	Q					54+15	0.0000	0.41	Q				
49+10	0.0000	0.50	Q					54+20	0.0000	0.41	Q				
49+15	0.0000	0.50	Q					54+25	0.0000	0.41	Q				
49+20	0.0000	0.50	Q					54+30	0.0000	0.41	Q				
49+25	0.0000	0.50	Q					54+35	0.0000	0.41	Q				
49+30	0.0000	0.50	Q					54+40	0.0000	0.41	Q				
49+35	0.0000	0.49	Q					54+45	0.0000	0.40	Q				
49+40	0.0000	0.49	Q					54+50	0.0000	0.40	Q				
49+45	0.0000	0.49	Q					54+55	0.0000	0.40	Q				
49+50	0.0000	0.49	Q					55+ 0	0.0000	0.40	Q				
49+55	0.0000	0.49	Q					55+ 5	0.0000	0.40	Q				
50+ 0	0.0000	0.49	Q					55+10	0.0000	0.39	Q				
50+ 5	0.0000	0.48	Q					55+15	0.0000	0.39	Q				
50+10	0.0000	0.48	Q					55+20	0.0000	0.39	Q				
50+15	0.0000	0.48	Q					55+25	0.0000	0.38	Q				
50+20	0.0000	0.48	Q					55+30	0.0000	0.38	Q				
50+25	0.0000	0.48	Q					55+35	0.0000	0.38	Q				
50+30	0.0000	0.48	Q					55+40	0.0000	0.37	Q				
50+35	0.0000	0.47	Q					55+45	0.0000	0.37	Q				
50+40	0.0000	0.47	Q					55+50	0.0000	0.37	Q				
50+45	0.0000	0.47	Q					55+55	0.0000	0.36	Q				
50+50	0.0000	0.47	Q					56+ 0	0.0000	0.36	Q				
50+55	0.0000	0.47	Q					56+ 5	0.0000	0.36	Q				
51+ 0	0.0000	0.47	Q					56+10	0.0000	0.35	Q				
51+ 5	0.0000	0.47	Q					56+15	0.0000	0.35	Q				
51+10	0.0000	0.46	Q					56+20	0.0000	0.35	Q				
51+15	0.0000	0.46	Q					56+25	0.0000	0.35	Q				
51+20	0.0000	0.46	Q					56+30	0.0000	0.34	Q				
51+25	0.0000	0.46	Q					56+35	0.0000	0.34	Q				
51+30	0.0000	0.46	Q					56+40	0.0000	0.34	Q				
51+35	0.0000	0.46	Q					56+45	0.0000	0.33	Q				
51+40	0.0000	0.46	Q					56+50	0.0000	0.33	Q				
51+45	0.0000	0.45	Q					56+55	0.0000	0.33	Q				
51+50	0.0000	0.45	Q					57+ 0	0.0000	0.33	Q				
51+55	0.0000	0.45	Q					57+ 5	0.0000	0.32	Q				
52+ 0	0.0000	0.45	Q					57+10	0.0000	0.32	Q				
52+ 5	0.0000	0.45	Q					57+15	0.0000	0.32	Q				
52+10	0.0000	0.45	Q					57+20	0.0000	0.31	Q				
52+15	0.0000	0.45	Q					57+25	0.0000	0.31	Q				
52+20	0.0000	0.44	Q					57+30	0.0000	0.31	Q				
52+25	0.0000	0.44	Q					57+35	0.0000	0.31	Q				
52+30	0.0000	0.44	Q					57+40	0.0000	0.30	Q				
52+35	0.0000	0.44	Q					57+45	0.0000	0.30	Q				
52+40	0.0000	0.44	Q					57+50	0.0000	0.30	Q				
52+45	0.0000	0.44	Q					57+55	0.0000	0.30	Q				
52+50	0.0000	0.44	Q					58+ 0	0.0000	0.29	Q				
52+55	0.0000	0.43	Q					58+ 5	0.0000	0.29	Q				
53+ 0	0.0000	0.43	Q					58+10	0.0000	0.29	Q				
53+ 5	0.0000	0.43	Q					58+15	0.0000	0.29	Q				
53+10	0.0000	0.43	Q					58+20	0.0000	0.28	Q				
53+15	0.0000	0.43	Q					58+25	0.0000	0.28	Q				
53+20	0.0000	0.43	Q					58+30	0.0000	0.28	Q				
53+25	0.0000	0.43	Q					58+35	0.0000	0.28	Q				
53+30	0.0000	0.42	Q					58+40	0.0000	0.27	Q				

58+45	0.0000	0.27	Q					63+55	0.0000	0.16	Q				
58+50	0.0000	0.27	Q					64+ 0	0.0000	0.16	Q				
58+55	0.0000	0.27	Q					64+ 5	0.0000	0.16	Q				
59+ 0	0.0000	0.26	Q					64+10	0.0000	0.15	Q				
59+ 5	0.0000	0.26	Q					64+15	0.0000	0.15	Q				
59+10	0.0000	0.26	Q					64+20	0.0000	0.15	Q				
59+15	0.0000	0.26	Q					64+25	0.0000	0.15	Q				
59+20	0.0000	0.26	Q					64+30	0.0000	0.15	Q				
59+25	0.0000	0.25	Q					64+35	0.0000	0.15	Q				
59+30	0.0000	0.25	Q					64+40	0.0000	0.15	Q				
59+35	0.0000	0.25	Q					64+45	0.0000	0.15	Q				
59+40	0.0000	0.25	Q					64+50	0.0000	0.14	Q				
59+45	0.0000	0.24	Q					64+55	0.0000	0.14	Q				
59+50	0.0000	0.24	Q					65+ 0	0.0000	0.14	Q				
59+55	0.0000	0.24	Q					65+ 5	0.0000	0.14	Q				
60+ 0	0.0000	0.24	Q					65+10	0.0000	0.14	Q				
60+ 5	0.0000	0.24	Q					65+15	0.0000	0.14	Q				
60+10	0.0000	0.23	Q					65+20	0.0000	0.14	Q				
60+15	0.0000	0.23	Q					65+25	0.0000	0.14	Q				
60+20	0.0000	0.23	Q					65+30	0.0000	0.13	Q				
60+25	0.0000	0.23	Q					65+35	0.0000	0.13	Q				
60+30	0.0000	0.23	Q					65+40	0.0000	0.13	Q				
60+35	0.0000	0.22	Q					65+45	0.0000	0.13	Q				
60+40	0.0000	0.22	Q					65+50	0.0000	0.13	Q				
60+45	0.0000	0.22	Q					65+55	0.0000	0.13	Q				
60+50	0.0000	0.22	Q					66+ 0	0.0000	0.13	Q				
60+55	0.0000	0.22	Q					66+ 5	0.0000	0.13	Q				
61+ 0	0.0000	0.21	Q					66+10	0.0000	0.13	Q				
61+ 5	0.0000	0.21	Q					66+15	0.0000	0.12	Q				
61+10	0.0000	0.21	Q					66+20	0.0000	0.12	Q				
61+15	0.0000	0.21	Q					66+25	0.0000	0.12	Q				
61+20	0.0000	0.21	Q					66+30	0.0000	0.12	Q				
61+25	0.0000	0.21	Q					66+35	0.0000	0.12	Q				
61+30	0.0000	0.20	Q					66+40	0.0000	0.12	Q				
61+35	0.0000	0.20	Q					66+45	0.0000	0.12	Q				
61+40	0.0000	0.20	Q					66+50	0.0000	0.12	Q				
61+45	0.0000	0.20	Q					66+55	0.0000	0.12	Q				
61+50	0.0000	0.20	Q					67+ 0	0.0000	0.12	Q				
61+55	0.0000	0.20	Q					67+ 5	0.0000	0.11	Q				
62+ 0	0.0000	0.19	Q					67+10	0.0000	0.11	Q				
62+ 5	0.0000	0.19	Q					67+15	0.0000	0.11	Q				
62+10	0.0000	0.19	Q					67+20	0.0000	0.11	Q				
62+15	0.0000	0.19	Q					67+25	0.0000	0.11	Q				
62+20	0.0000	0.19	Q					67+30	0.0000	0.11	Q				
62+25	0.0000	0.19	Q					67+35	0.0000	0.11	Q				
62+30	0.0000	0.18	Q					67+40	0.0000	0.11	Q				
62+35	0.0000	0.18	Q					67+45	0.0000	0.11	Q				
62+40	0.0000	0.18	Q					67+50	0.0000	0.11	Q				
62+45	0.0000	0.18	Q					67+55	0.0000	0.10	Q				
62+50	0.0000	0.18	Q					68+ 0	0.0000	0.10	Q				
62+55	0.0000	0.18	Q					68+ 5	0.0000	0.10	Q				
63+ 0	0.0000	0.17	Q					68+10	0.0000	0.10	Q				
63+ 5	0.0000	0.17	Q					68+15	0.0000	0.10	Q				
63+10	0.0000	0.17	Q					68+20	0.0000	0.10	Q				
63+15	0.0000	0.17	Q					68+25	0.0000	0.10	Q				
63+20	0.0000	0.17	Q					68+30	0.0000	0.10	Q				
63+25	0.0000	0.17	Q					68+35	0.0000	0.10	Q				
63+30	0.0000	0.17	Q					68+40	0.0000	0.10	Q				
63+35	0.0000	0.16	Q					68+45	0.0000	0.10	Q				
63+40	0.0000	0.16	Q					68+50	0.0000	0.10	Q				
63+45	0.0000	0.16	Q					68+55	0.0000	0.09	Q				
63+50	0.0000	0.16	Q					69+ 0	0.0000	0.09	Q				

69+ 5	0.0000	0.09	Q					74+15	0.0000	0.05	Q				
69+10	0.0000	0.09	Q					74+20	0.0000	0.05	Q				
69+15	0.0000	0.09	Q					74+25	0.0000	0.05	Q				
69+20	0.0000	0.09	Q					74+30	0.0000	0.05	Q				
69+25	0.0000	0.09	Q					74+35	0.0000	0.05	Q				
69+30	0.0000	0.09	Q					74+40	0.0000	0.05	Q				
69+35	0.0000	0.09	Q					74+45	0.0000	0.05	Q				
69+40	0.0000	0.09	Q					74+50	0.0000	0.05	Q				
69+45	0.0000	0.09	Q					74+55	0.0000	0.05	Q				
69+50	0.0000	0.09	Q					75+ 0	0.0000	0.05	Q				
69+55	0.0000	0.09	Q					75+ 5	0.0000	0.05	Q				
70+ 0	0.0000	0.08	Q					75+10	0.0000	0.05	Q				
70+ 5	0.0000	0.08	Q					75+15	0.0000	0.05	Q				
70+10	0.0000	0.08	Q					75+20	0.0000	0.05	Q				
70+15	0.0000	0.08	Q					75+25	0.0000	0.05	Q				
70+20	0.0000	0.08	Q					75+30	0.0000	0.05	Q				
70+25	0.0000	0.08	Q					75+35	0.0000	0.05	Q				
70+30	0.0000	0.08	Q					75+40	0.0000	0.05	Q				
70+35	0.0000	0.08	Q					75+45	0.0000	0.05	Q				
70+40	0.0000	0.08	Q					75+50	0.0000	0.05	Q				
70+45	0.0000	0.08	Q					75+55	0.0000	0.05	Q				
70+50	0.0000	0.08	Q					76+ 0	0.0000	0.05	Q				
70+55	0.0000	0.08	Q					76+ 5	0.0000	0.05	Q				
71+ 0	0.0000	0.08	Q					76+10	0.0000	0.04	Q				
71+ 5	0.0000	0.08	Q					76+15	0.0000	0.04	Q				
71+10	0.0000	0.07	Q					76+20	0.0000	0.04	Q				
71+15	0.0000	0.07	Q					76+25	0.0000	0.04	Q				
71+20	0.0000	0.07	Q					76+30	0.0000	0.04	Q				
71+25	0.0000	0.07	Q					76+35	0.0000	0.04	Q				
71+30	0.0000	0.07	Q					76+40	0.0000	0.04	Q				
71+35	0.0000	0.07	Q					76+45	0.0000	0.04	Q				
71+40	0.0000	0.07	Q					76+50	0.0000	0.04	Q				
71+45	0.0000	0.07	Q					76+55	0.0000	0.04	Q				
71+50	0.0000	0.07	Q					77+ 0	0.0000	0.04	Q				
71+55	0.0000	0.07	Q					77+ 5	0.0000	0.04	Q				
72+ 0	0.0000	0.07	Q					77+10	0.0000	0.04	Q				
72+ 5	0.0000	0.07	Q					77+15	0.0000	0.04	Q				
72+10	0.0000	0.07	Q					77+20	0.0000	0.04	Q				
72+15	0.0000	0.07	Q					77+25	0.0000	0.04	Q				
72+20	0.0000	0.07	Q					77+30	0.0000	0.04	Q				
72+25	0.0000	0.07	Q					77+35	0.0000	0.04	Q				
72+30	0.0000	0.07	Q					77+40	0.0000	0.04	Q				
72+35	0.0000	0.06	Q					77+45	0.0000	0.04	Q				
72+40	0.0000	0.06	Q					77+50	0.0000	0.04	Q				
72+45	0.0000	0.06	Q					77+55	0.0000	0.04	Q				
72+50	0.0000	0.06	Q					78+ 0	0.0000	0.04	Q				
72+55	0.0000	0.06	Q					78+ 5	0.0000	0.04	Q				
73+ 0	0.0000	0.06	Q					78+10	0.0000	0.04	Q				
73+ 5	0.0000	0.06	Q					78+15	0.0000	0.04	Q				
73+10	0.0000	0.06	Q					78+20	0.0000	0.04	Q				
73+15	0.0000	0.06	Q					78+25	0.0000	0.04	Q				
73+20	0.0000	0.06	Q					78+30	0.0000	0.04	Q				
73+25	0.0000	0.06	Q					78+35	0.0000	0.03	Q				
73+30	0.0000	0.06	Q					78+40	0.0000	0.03	Q				
73+35	0.0000	0.06	Q					78+45	0.0000	0.03	Q				
73+40	0.0000	0.06	Q					78+50	0.0000	0.03	Q				
73+45	0.0000	0.06	Q					78+55	0.0000	0.03	Q				
73+50	0.0000	0.06	Q					79+ 0	0.0000	0.03	Q				
73+55	0.0000	0.06	Q					79+ 5	0.0000	0.03	Q				
74+ 0	0.0000	0.06	Q					79+10	0.0000	0.03	Q				
74+ 5	0.0000	0.06	Q					79+15	0.0000	0.03	Q				
74+10	0.0000	0.05	Q					79+20	0.0000	0.03	Q				

79+25	0.0000	0.03	Q	|	|	|	|	84+35	0.0000	0.02	Q	|	|	|	|
79+30	0.0000	0.03	Q	|	|	|	|	84+40	0.0000	0.02	Q	|	|	|	|
79+35	0.0000	0.03	Q	|	|	|	|	84+45	0.0000	0.02	Q	|	|	|	|
79+40	0.0000	0.03	Q	|	|	|	|	84+50	0.0000	0.02	Q	|	|	|	|
79+45	0.0000	0.03	Q	|	|	|	|	84+55	0.0000	0.02	Q	|	|	|	|
79+50	0.0000	0.03	Q	|	|	|	|	85+ 0	0.0000	0.02	Q	|	|	|	|
79+55	0.0000	0.03	Q	|	|	|	|	85+ 5	0.0000	0.02	Q	|	|	|	|
80+ 0	0.0000	0.03	Q	|	|	|	|	85+10	0.0000	0.02	Q	|	|	|	|
80+ 5	0.0000	0.03	Q	|	|	|	|	85+15	0.0000	0.02	Q	|	|	|	|
80+10	0.0000	0.03	Q	|	|	|	|	85+20	0.0000	0.02	Q	|	|	|	|
80+15	0.0000	0.03	Q	|	|	|	|	85+25	0.0000	0.02	Q	|	|	|	|
80+20	0.0000	0.03	Q	|	|	|	|	85+30	0.0000	0.02	Q	|	|	|	|
80+25	0.0000	0.03	Q	|	|	|	|	85+35	0.0000	0.02	Q	|	|	|	|
80+30	0.0000	0.03	Q	|	|	|	|	85+40	0.0000	0.02	Q	|	|	|	|
80+35	0.0000	0.03	Q	|	|	|	|	85+45	0.0000	0.02	Q	|	|	|	|
80+40	0.0000	0.03	Q	|	|	|	|	85+50	0.0000	0.02	Q	|	|	|	|
80+45	0.0000	0.03	Q	|	|	|	|	85+55	0.0000	0.02	Q	|	|	|	|
80+50	0.0000	0.03	Q	|	|	|	|	86+ 0	0.0000	0.02	Q	|	|	|	|
80+55	0.0000	0.03	Q	|	|	|	|	86+ 5	0.0000	0.02	Q	|	|	|	|
81+ 0	0.0000	0.03	Q	|	|	|	|	86+10	0.0000	0.02	Q	|	|	|	|
81+ 5	0.0000	0.03	Q	|	|	|	|	86+15	0.0000	0.02	Q	|	|	|	|
81+10	0.0000	0.03	Q	|	|	|	|	86+20	0.0000	0.02	Q	|	|	|	|
81+15	0.0000	0.03	Q	|	|	|	|	86+25	0.0000	0.02	Q	|	|	|	|
81+20	0.0000	0.03	Q	|	|	|	|	86+30	0.0000	0.02	Q	|	|	|	|
81+25	0.0000	0.03	Q	|	|	|	|	86+35	0.0000	0.02	Q	|	|	|	|
81+30	0.0000	0.03	Q	|	|	|	|	86+40	0.0000	0.02	Q	|	|	|	|
81+35	0.0000	0.03	Q	|	|	|	|	86+45	0.0000	0.01	Q	|	|	|	|
81+40	0.0000	0.03	Q	|	|	|	|	86+50	0.0000	0.01	Q	|	|	|	|
81+45	0.0000	0.03	Q	|	|	|	|	86+55	0.0000	0.01	Q	|	|	|	|
81+50	0.0000	0.02	Q	|	|	|	|	87+ 0	0.0000	0.01	Q	|	|	|	|
81+55	0.0000	0.02	Q	|	|	|	|	87+ 5	0.0000	0.01	Q	|	|	|	|
82+ 0	0.0000	0.02	Q	|	|	|	|	87+10	0.0000	0.01	Q	|	|	|	|
82+ 5	0.0000	0.02	Q	|	|	|	|	87+15	0.0000	0.01	Q	|	|	|	|
82+10	0.0000	0.02	Q	|	|	|	|	87+20	0.0000	0.01	Q	|	|	|	|
82+15	0.0000	0.02	Q	|	|	|	|	87+25	0.0000	0.01	Q	|	|	|	|
82+20	0.0000	0.02	Q	|	|	|	|	87+30	0.0000	0.01	Q	|	|	|	|
82+25	0.0000	0.02	Q	|	|	|	|	87+35	0.0000	0.01	Q	|	|	|	|
82+30	0.0000	0.02	Q	|	|	|	|	87+40	0.0000	0.01	Q	|	|	|	|
82+35	0.0000	0.02	Q	|	|	|	|	87+45	0.0000	0.01	Q	|	|	|	|
82+40	0.0000	0.02	Q	|	|	|	|	87+50	0.0000	0.01	Q	|	|	|	|
82+45	0.0000	0.02	Q	|	|	|	|	87+55	0.0000	0.01	Q	|	|	|	|
82+50	0.0000	0.02	Q	|	|	|	|	88+ 0	0.0000	0.01	Q	|	|	|	|
82+55	0.0000	0.02	Q	|	|	|	|	88+ 5	0.0000	0.01	Q	|	|	|	|
83+ 0	0.0000	0.02	Q	|	|	|	|	88+10	0.0000	0.01	Q	|	|	|	|
83+ 5	0.0000	0.02	Q	|	|	|	|	88+15	0.0000	0.01	Q	|	|	|	|
83+10	0.0000	0.02	Q	|	|	|	|	88+20	0.0000	0.01	Q	|	|	|	|
83+15	0.0000	0.02	Q	|	|	|	|	88+25	0.0000	0.01	Q	|	|	|	|
83+20	0.0000	0.02	Q	|	|	|	|	88+30	0.0000	0.01	Q	|	|	|	|
83+25	0.0000	0.02	Q	|	|	|	|	88+35	0.0000	0.01	Q	|	|	|	|
83+30	0.0000	0.02	Q	|	|	|	|	88+40	0.0000	0.01	Q	|	|	|	|
83+35	0.0000	0.02	Q	|	|	|	|	88+45	0.0000	0.01	Q	|	|	|	|
83+40	0.0000	0.02	Q	|	|	|	|	88+50	0.0000	0.01	Q	|	|	|	|
83+45	0.0000	0.02	Q	|	|	|	|	88+55	0.0000	0.01	Q	|	|	|	|
83+50	0.0000	0.02	Q	|	|	|	|	89+ 0	0.0000	0.01	Q	|	|	|	|
83+55	0.0000	0.02	Q	|	|	|	|	89+ 5	0.0000	0.01	Q	|	|	|	|
84+ 0	0.0000	0.02	Q	|	|	|	|	89+10	0.0000	0.01	Q	|	|	|	|
84+ 5	0.0000	0.02	Q	|	|	|	|	89+15	0.0000	0.01	Q	|	|	|	|
84+10	0.0000	0.02	Q	|	|	|	|	89+20	0.0000	0.01	Q	|	|	|	|
84+15	0.0000	0.02	Q	|	|	|	|	89+25	0.0000	0.01	Q	|	|	|	|
84+20	0.0000	0.02	Q	|	|	|	|	89+30	0.0000	0.01	Q	|	|	|	|
84+25	0.0000	0.02	Q	|	|	|	|	89+35	0.0000	0.01	Q	|	|	|	|
84+30	0.0000	0.02	Q	|	|	|	|	89+40	0.0000	0.01	Q	|	|	|	|

89+45	0.0000	0.01	Q					94+55	0.0000	0.01	Q				
89+50	0.0000	0.01	Q					95+ 0	0.0000	0.01	Q				
89+55	0.0000	0.01	Q					95+ 5	0.0000	0.01	Q				
90+ 0	0.0000	0.01	Q					95+10	0.0000	0.01	Q				
90+ 5	0.0000	0.01	Q					95+15	0.0000	0.01	Q				
90+10	0.0000	0.01	Q					95+20	0.0000	0.01	Q				
90+15	0.0000	0.01	Q					95+25	0.0000	0.01	Q				
90+20	0.0000	0.01	Q					95+30	0.0000	0.01	Q				
90+25	0.0000	0.01	Q					95+35	0.0000	0.01	Q				
90+30	0.0000	0.01	Q					95+40	0.0000	0.01	Q				
90+35	0.0000	0.01	Q					95+45	0.0000	0.01	Q				
90+40	0.0000	0.01	Q					95+50	0.0000	0.01	Q				
90+45	0.0000	0.01	Q					95+55	0.0000	0.01	Q				
90+50	0.0000	0.01	Q					96+ 0	0.0000	0.01	Q				
90+55	0.0000	0.01	Q					96+ 5	0.0000	0.01	Q				
91+ 0	0.0000	0.01	Q					96+10	0.0000	0.01	Q				
91+ 5	0.0000	0.01	Q					96+15	0.0000	0.01	Q				
91+10	0.0000	0.01	Q					96+20	0.0000	0.01	Q				
91+15	0.0000	0.01	Q					96+25	0.0000	0.01	Q				
91+20	0.0000	0.01	Q					96+30	0.0000	0.01	Q				
91+25	0.0000	0.01	Q					96+35	0.0000	0.01	Q				
91+30	0.0000	0.01	Q					96+40	0.0000	0.01	Q				
91+35	0.0000	0.01	Q					96+45	0.0000	0.01	Q				
91+40	0.0000	0.01	Q					96+50	0.0000	0.01	Q				
91+45	0.0000	0.01	Q					96+55	0.0000	0.01	Q				
91+50	0.0000	0.01	Q					97+ 0	0.0000	0.01	Q				
91+55	0.0000	0.01	Q					97+ 5	0.0000	0.01	Q				
92+ 0	0.0000	0.01	Q					97+10	0.0000	0.01	Q				
92+ 5	0.0000	0.01	Q					97+15	0.0000	0.01	Q				
92+10	0.0000	0.01	Q					97+20	0.0000	0.00	Q				
92+15	0.0000	0.01	Q					97+25	0.0000	0.00	Q				
92+20	0.0000	0.01	Q					97+30	0.0000	0.00	Q				
92+25	0.0000	0.01	Q					97+35	0.0000	0.00	Q				
92+30	0.0000	0.01	Q					97+40	0.0000	0.00	Q				
92+35	0.0000	0.01	Q					97+45	0.0000	0.00	Q				
92+40	0.0000	0.01	Q					97+50	0.0000	0.00	Q				
92+45	0.0000	0.01	Q					97+55	0.0000	0.00	Q				
92+50	0.0000	0.01	Q					98+ 0	0.0000	0.00	Q				
92+55	0.0000	0.01	Q					98+ 5	0.0000	0.00	Q				
93+ 0	0.0000	0.01	Q					98+10	0.0000	0.00	Q				
93+ 5	0.0000	0.01	Q					98+15	0.0000	0.00	Q				
93+10	0.0000	0.01	Q					98+20	0.0000	0.00	Q				
93+15	0.0000	0.01	Q					98+25	0.0000	0.00	Q				
93+20	0.0000	0.01	Q					98+30	0.0000	0.00	Q				
93+25	0.0000	0.01	Q					98+35	0.0000	0.00	Q				
93+30	0.0000	0.01	Q					98+40	0.0000	0.00	Q				
93+35	0.0000	0.01	Q					98+45	0.0000	0.00	Q				
93+40	0.0000	0.01	Q					98+50	0.0000	0.00	Q				
93+45	0.0000	0.01	Q					98+55	0.0000	0.00	Q				
93+50	0.0000	0.01	Q					99+ 0	0.0000	0.00	Q				
93+55	0.0000	0.01	Q					99+ 5	0.0000	0.00	Q				
94+ 0	0.0000	0.01	Q					99+10	0.0000	0.00	Q				
94+ 5	0.0000	0.01	Q					99+15	0.0000	0.00	Q				
94+10	0.0000	0.01	Q					99+20	0.0000	0.00	Q				
94+15	0.0000	0.01	Q					99+25	0.0000	0.00	Q				
94+20	0.0000	0.01	Q					99+30	0.0000	0.00	Q				
94+25	0.0000	0.01	Q					99+35	0.0000	0.00	Q				
94+30	0.0000	0.01	Q					99+40	0.0000	0.00	Q				
94+35	0.0000	0.01	Q					99+45	0.0000	0.00	Q				
94+40	0.0000	0.01	Q					99+50	0.0000	0.00	Q				
94+45	0.0000	0.01	Q					99+55	0.0000	0.00	Q				
94+50	0.0000	0.01	Q					100+ 0	0.0000	0.00	Q				

100+ 5	0.0000	0.00	Q					105+15	0.0000	0.00	Q				
100+10	0.0000	0.00	Q					105+20	0.0000	0.00	Q				
100+15	0.0000	0.00	Q					105+25	0.0000	0.00	Q				
100+20	0.0000	0.00	Q					105+30	0.0000	0.00	Q				
100+25	0.0000	0.00	Q					105+35	0.0000	0.00	Q				
100+30	0.0000	0.00	Q					105+40	0.0000	0.00	Q				
100+35	0.0000	0.00	Q					105+45	0.0000	0.00	Q				
100+40	0.0000	0.00	Q					105+50	0.0000	0.00	Q				
100+45	0.0000	0.00	Q					105+55	0.0000	0.00	Q				
100+50	0.0000	0.00	Q					106+ 0	0.0000	0.00	Q				
100+55	0.0000	0.00	Q					106+ 5	0.0000	0.00	Q				
101+ 0	0.0000	0.00	Q					106+10	0.0000	0.00	Q				
101+ 5	0.0000	0.00	Q					106+15	0.0000	0.00	Q				
101+10	0.0000	0.00	Q					106+20	0.0000	0.00	Q				
101+15	0.0000	0.00	Q					106+25	0.0000	0.00	Q				
101+20	0.0000	0.00	Q					106+30	0.0000	0.00	Q				
101+25	0.0000	0.00	Q					106+35	0.0000	0.00	Q				
101+30	0.0000	0.00	Q					106+40	0.0000	0.00	Q				
101+35	0.0000	0.00	Q					106+45	0.0000	0.00	Q				
101+40	0.0000	0.00	Q					106+50	0.0000	0.00	Q				
101+45	0.0000	0.00	Q					106+55	0.0000	0.00	Q				
101+50	0.0000	0.00	Q					107+ 0	0.0000	0.00	Q				
101+55	0.0000	0.00	Q					107+ 5	0.0000	0.00	Q				
102+ 0	0.0000	0.00	Q					107+10	0.0000	0.00	Q				
102+ 5	0.0000	0.00	Q					107+15	0.0000	0.00	Q				
102+10	0.0000	0.00	Q					107+20	0.0000	0.00	Q				
102+15	0.0000	0.00	Q					107+25	0.0000	0.00	Q				
102+20	0.0000	0.00	Q					107+30	0.0000	0.00	Q				
102+25	0.0000	0.00	Q					107+35	0.0000	0.00	Q				
102+30	0.0000	0.00	Q					107+40	0.0000	0.00	Q				
102+35	0.0000	0.00	Q					107+45	0.0000	0.00	Q				
102+40	0.0000	0.00	Q					107+50	0.0000	0.00	Q				
102+45	0.0000	0.00	Q					107+55	0.0000	0.00	Q				
102+50	0.0000	0.00	Q					108+ 0	0.0000	0.00	Q				
102+55	0.0000	0.00	Q					108+ 5	0.0000	0.00	Q				
103+ 0	0.0000	0.00	Q					108+10	0.0000	0.00	Q				
103+ 5	0.0000	0.00	Q					108+15	0.0000	0.00	Q				
103+10	0.0000	0.00	Q					108+20	0.0000	0.00	Q				
103+15	0.0000	0.00	Q					108+25	0.0000	0.00	Q				
103+20	0.0000	0.00	Q					108+30	0.0000	0.00	Q				
103+25	0.0000	0.00	Q					108+35	0.0000	0.00	Q				
103+30	0.0000	0.00	Q					108+40	0.0000	0.00	Q				
103+35	0.0000	0.00	Q					108+45	0.0000	0.00	Q				
103+40	0.0000	0.00	Q					108+50	0.0000	0.00	Q				
103+45	0.0000	0.00	Q					108+55	0.0000	0.00	Q				
103+50	0.0000	0.00	Q					109+ 0	0.0000	0.00	Q				
103+55	0.0000	0.00	Q					109+ 5	0.0000	0.00	Q				
104+ 0	0.0000	0.00	Q					109+10	0.0000	0.00	Q				
104+ 5	0.0000	0.00	Q					109+15	0.0000	0.00	Q				
104+10	0.0000	0.00	Q					109+20	0.0000	0.00	Q				
104+15	0.0000	0.00	Q					109+25	0.0000	0.00	Q				
104+20	0.0000	0.00	Q					109+30	0.0000	0.00	Q				
104+25	0.0000	0.00	Q					109+35	0.0000	0.00	Q				
104+30	0.0000	0.00	Q					109+40	0.0000	0.00	Q				
104+35	0.0000	0.00	Q					109+45	0.0000	0.00	Q				
104+40	0.0000	0.00	Q					109+50	0.0000	0.00	Q				
104+45	0.0000	0.00	Q					109+55	0.0000	0.00	Q				
104+50	0.0000	0.00	Q					110+ 0	0.0000	0.00	Q				
104+55	0.0000	0.00	Q					110+ 5	0.0000	0.00	Q				
105+ 0	0.0000	0.00	Q					110+10	0.0000	0.00	Q				
105+ 5	0.0000	0.00	Q					110+15	0.0000	0.00	Q				
105+10	0.0000	0.00	Q					110+20	0.0000	0.00	Q				

110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				
113+35	0.0000	0.00	Q					118+45	0.0000	0.00	Q				
113+40	0.0000	0.00	Q					118+50	0.0000	0.00	Q				
113+45	0.0000	0.00	Q					118+55	0.0000	0.00	Q				
113+50	0.0000	0.00	Q					119+ 0	0.0000	0.00	Q				
113+55	0.0000	0.00	Q					119+ 5	0.0000	0.00	Q				
114+ 0	0.0000	0.00	Q					119+10	0.0000	0.00	Q				
114+ 5	0.0000	0.00	Q					119+15	0.0000	0.00	Q				
114+10	0.0000	0.00	Q					119+20	0.0000	0.00	Q				
114+15	0.0000	0.00	Q					119+25	0.0000	0.00	Q				
114+20	0.0000	0.00	Q					119+30	0.0000	0.00	Q				
114+25	0.0000	0.00	Q					119+35	0.0000	0.00	Q				
114+30	0.0000	0.00	Q					119+40	0.0000	0.00	Q				
114+35	0.0000	0.00	Q					119+45	0.0000	0.00	Q				
114+40	0.0000	0.00	Q					119+50	0.0000	0.00	Q				
114+45	0.0000	0.00	Q					119+55	0.0000	0.00	Q				
114+50	0.0000	0.00	Q					120+ 0	0.0000	0.00	Q				
114+55	0.0000	0.00	Q					120+ 5	0.0000	0.00	Q				
115+ 0	0.0000	0.00	Q					120+10	0.0000	0.00	Q				
115+ 5	0.0000	0.00	Q					120+15	0.0000	0.00	Q				
115+10	0.0000	0.00	Q					120+20	0.0000	0.00	Q				
115+15	0.0000	0.00	Q					120+25	0.0000	0.00	Q				
115+20	0.0000	0.00	Q					120+30	0.0000	0.00	Q				
115+25	0.0000	0.00	Q					120+35	0.0000	0.00	Q				
115+30	0.0000	0.00	Q					120+40	0.0000	0.00	Q				

120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q				
123+50	0.0000	0.00	Q					129+ 0	0.0000	0.00	Q				
123+55	0.0000	0.00	Q					129+ 5	0.0000	0.00	Q				
124+ 0	0.0000	0.00	Q					129+10	0.0000	0.00	Q				
124+ 5	0.0000	0.00	Q					129+15	0.0000	0.00	Q				
124+10	0.0000	0.00	Q					129+20	0.0000	0.00	Q				
124+15	0.0000	0.00	Q					129+25	0.0000	0.00	Q				
124+20	0.0000	0.00	Q					129+30	0.0000	0.00	Q				
124+25	0.0000	0.00	Q					129+35	0.0000	0.00	Q				
124+30	0.0000	0.00	Q					129+40	0.0000	0.00	Q				
124+35	0.0000	0.00	Q					129+45	0.0000	0.00	Q				
124+40	0.0000	0.00	Q					129+50	0.0000	0.00	Q				
124+45	0.0000	0.00	Q					129+55	0.0000	0.00	Q				
124+50	0.0000	0.00	Q					130+ 0	0.0000	0.00	Q				
124+55	0.0000	0.00	Q					130+ 5	0.0000	0.00	Q				
125+ 0	0.0000	0.00	Q					130+10	0.0000	0.00	Q				
125+ 5	0.0000	0.00	Q					130+15	0.0000	0.00	Q				
125+10	0.0000	0.00	Q					130+20	0.0000	0.00	Q				
125+15	0.0000	0.00	Q					130+25	0.0000	0.00	Q				
125+20	0.0000	0.00	Q					130+30	0.0000	0.00	Q				
125+25	0.0000	0.00	Q					130+35	0.0000	0.00	Q				
125+30	0.0000	0.00	Q					130+40	0.0000	0.00	Q				
125+35	0.0000	0.00	Q					130+45	0.0000	0.00	Q				
125+40	0.0000	0.00	Q					130+50	0.0000	0.00	Q				
125+45	0.0000	0.00	Q					130+55	0.0000	0.00	Q				
125+50	0.0000	0.00	Q					131+ 0	0.0000	0.00	Q				

131+ 5	0.0000	0.00	Q				
131+10	0.0000	0.00	Q				
131+15	0.0000	0.00	Q				
131+20	0.0000	0.00	Q				
131+25	0.0000	0.00	Q				
131+30	0.0000	0.00	Q				
131+35	0.0000	0.00	Q				
131+40	0.0000	0.00	Q				
131+45	0.0000	0.00	Q				
131+50	0.0000	0.00	Q				
131+55	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q				
132+10	0.0000	0.00	Q				
132+15	0.0000	0.00	Q				
132+20	0.0000	0.00	Q				
132+25	0.0000	0.00	Q				
132+30	0.0000	0.00	Q				
132+35	0.0000	0.00	Q				
132+40	0.0000	0.00	Q				
132+45	0.0000	0.00	Q				
132+50	0.0000	0.00	Q				
132+55	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q				
133+10	0.0000	0.00	Q				
133+15	0.0000	0.00	Q				
133+20	0.0000	0.00	Q				
133+25	0.0000	0.00	Q				
133+30	0.0000	0.00	Q				
133+35	0.0000	0.00	Q				
133+40	0.0000	0.00	Q				
133+45	0.0000	0.00	Q				
133+50	0.0000	0.00	Q				
133+55	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q				
134+10	0.0000	0.00	Q				
134+15	0.0000	0.00	Q				
134+20	0.0000	0.00	Q				
134+25	0.0000	0.00	Q				
134+30	0.0000	0.00	Q				
134+35	0.0000	0.00	Q				
134+40	0.0000	0.00	Q				
134+45	0.0000	0.00	Q				
134+50	0.0000	0.00	Q				
134+55	0.0000	0.00	Q				
135+ 0	0.0000	0.00	Q				
135+ 5	0.0000	0.00	Q				
135+10	0.0000	0.00	Q				
135+15	0.0000	0.00	Q				
135+20	0.0000	0.00	Q				
135+25	0.0000	0.00	Q				
135+30	0.0000	0.00	Q				
135+35	0.0000	0.00	Q				
135+40	0.0000	0.00	Q				
135+45	0.0000	0.00	Q				
135+50	0.0000	0.00	Q				
135+55	0.0000	0.00	Q				
136+ 0	0.0000	0.00	Q				
136+ 5	0.0000	0.00	Q				
136+10	0.0000	0.00	Q				
136+15	0.0000	0.00	Q				
136+20	0.0000	0.00	Q				
136+25	0.0000	0.00	Q				
136+30	0.0000	0.00	Q				
136+35	0.0000	0.00	Q				
136+40	0.0000	0.00	Q				
136+45	0.0000	0.00	Q				
136+50	0.0000	0.00	Q				
136+55	0.0000	0.00	Q				
137+ 0	0.0000	0.00	Q				
137+ 5	0.0000	0.00	Q				
137+10	0.0000	0.00	Q				
137+15	0.0000	0.00	Q				
137+20	0.0000	0.00	Q				
137+25	0.0000	0.00	Q				
137+30	0.0000	0.00	Q				
137+35	0.0000	0.00	Q				
137+40	0.0000	0.00	Q				
137+45	0.0000	0.00	Q				
137+50	0.0000	0.00	Q				
137+55	0.0000	0.00	Q				
138+ 0	0.0000	0.00	Q				
138+ 5	0.0000	0.00	Q				
138+10	0.0000	0.00	Q				
138+15	0.0000	0.00	Q				
138+20	0.0000	0.00	Q				
138+25	0.0000	0.00	Q				
138+30	0.0000	0.00	Q				
138+35	0.0000	0.00	Q				
138+40	0.0000	0.00	Q				
138+45	0.0000	0.00	Q				
138+50	0.0000	0.00	Q				
138+55	0.0000	0.00	Q				
139+ 0	0.0000	0.00	Q				
139+ 5	0.0000	0.00	Q				
139+10	0.0000	0.00	Q				
139+15	0.0000	0.00	Q				
139+20	0.0000	0.00	Q				
139+25	0.0000	0.00	Q				
139+30	0.0000	0.00	Q				
139+35	0.0000	0.00	Q				
139+40	0.0000	0.00	Q				
139+45	0.0000	0.00	Q				
139+50	0.0000	0.00	Q				
139+55	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 5002
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 395.567 (CFS)
Total volume = 48.883 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

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                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                    Study date: 08/07/24


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MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 6 HOUR
AREAS 10A, 10B, 10C, 10D, 10E, 10F, 10G & 10H
8/06/24
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP10E1006100.rte
****************************HYDROGRAPH DATA*****************************
                Number of intervals =    74
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        5.904 (CFS)
                Total volume =       0.470 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.100 to Point/Station       10.200
**** STREAM ROUTING SCS CONVEX METHOD ****
________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =   2710.00 (Ft.)
Elevation difference =   80.00 (Ft.)
Slope of channel =  0.029520 (Vert/Horiz)
Channel type - Pipe


Pipe length  =  2710.00(Ft.)   Elevation difference =  80.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     0.999(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     0.999(CFS)
Normal flow depth in pipe =    2.65(In.)
Flow top width inside pipe =   15.04(In.)
Critical depth could not be calculated.
Pipe flow velocity =      5.28(Ft/s)
Travel time through pipe =    8.55 min.


Pipe length  =  2710.00(Ft.)   Elevation difference =  80.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =     5.904(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     5.904(CFS)
Normal flow depth in pipe =    6.32(In.)
Flow top width inside pipe =   21.14(In.)
Critical Depth =    0.86(Ft.)
Pipe flow velocity =      8.93(Ft/s)
Travel time through pipe =    5.06 min.


********************** SCS CONVEX CHANNEL ROUTING *********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8401   Travel time =   5.06 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   1.1179
        dt(routing time-step) =   4.25 (min.),   c* =   0.8712

Output hydrograph delayed by 1  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    P R I N T  O F  S T O R M
                  R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
              Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        1.5       3.0       4.4       5.9
------------------------------------------------------------------------
  0+ 5       0.0000      0.04  O         |         |         |         |
  0+10       0.0049      0.07  O         |         |         |         |
  0+15       0.0375      0.08  O         |         |         |         |
  0+20       0.0681      0.08  O         |         |         |         |
  0+25       0.0773      0.08  O         |         |         |         |
  0+30       0.0787      0.09  O         |         |         |         |
  0+35       0.0799      0.09  O         |         |         |         |
  0+40       0.0862      0.09  O         |         |         |         |
  0+45       0.0911      0.09  O         |         |         |         |
  0+50       0.0919      0.09  O         |         |         |         |
  0+55       0.0920      0.09  O         |         |         |         |
  1+ 0       0.0921      0.11  O         |         |         |         |
  1+ 5       0.0943      0.12  O         |         |         |         |
  1+10       0.1086      0.12  O         |         |         |         |
  1+15       0.1197      0.12  O         |         |         |         |
  1+20       0.1216      0.12  O         |         |         |         |
  1+25       0.1219      0.12  O         |         |         |         |
  1+30       0.1219      0.12  O         |         |         |         |
  1+35       0.1219      0.12  O         |         |         |         |
  1+40       0.1219      0.12  O         |         |         |         |
  1+45       0.1219      0.12  O         |         |         |         |
  1+50       0.1219      0.12  O         |         |         |         |
  1+55       0.1219      0.12  O         |         |         |         |
  2+ 0       0.1219      0.20  OI        |         |         |         |
  2+ 5       0.1316      0.18  OI        |         |         |         |
  2+10       0.1852      0.20  |O        |         |         |         |
  2+15       0.1803      0.25  |O        |         |         |         |
  2+20       0.2035      0.25  |O        |         |         |         |
  2+25       0.2447      0.25  |O        |         |         |         |
  2+30       0.2523      0.25  |O        |         |         |         |
  2+35       0.2533      0.25  |O        |         |         |         |
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2+40	0.2534	0.25	|O	|	|	|	|
2+45	0.2534	0.33	|OI	|	|	|	|
2+50	0.2631	0.38	|OI	|	|	|	|
2+55	0.3265	0.38	| O	|	|	|	|
3+ 0	0.3751	0.38	| O	|	|	|	|
3+ 5	0.3837	0.38	| O	|	|	|	|
3+10	0.3848	0.46	| OI	|	|	|	|
3+15	0.3946	0.51	| OI	|	|	|	|
3+20	0.4580	0.52	| O	|	|	|	|
3+25	0.5066	0.59	| OI	|	|	|	|
3+30	0.5249	0.72	| OI	|	|	|	|
3+35	0.5991	0.85	| OI	|	|	|	|
3+40	0.7209	0.91	| O I	|	|	|	|
3+45	0.8414	0.99	| OI	|	|	|	|
3+50	0.9095	1.04	| OI	|	|	|	|
3+55	0.9826	1.12	| OI	|	|	|	|
4+ 0	1.0423	1.17	| O	|	|	|	|
4+ 5	1.1143	1.25	| OI	|	|	|	|
4+10	1.1738	1.38	| O I|	|	|	|	|
4+15	1.2555	1.51	| O I	|	|	|	|
4+20	1.3784	1.64	| O|I	|	|	|	|
4+25	1.5088	1.77	| O I	|	|	|	|
4+30	1.6401	1.83	| |OI	|	|	|	|
4+35	1.7619	1.91	| |OI	|	|	|	|
4+40	1.8301	2.03	| OI	|	|	|	|
4+45	1.9130	2.17	| O I	|	|	|	|
4+50	2.0360	2.22	| O I	|	|	|	|
4+55	2.1567	2.30	| OI	|	|	|	|
5+ 0	2.2247	2.43	| OI	|	|	|	|
5+ 5	2.3076	2.86	| O I|	|	|	|	|
5+10	2.4694	3.50	| O | I	|	|	|	|
5+15	2.8920	4.01	| O| I	|	|	|	|
5+20	3.4907	4.41	| O I|	|	|	|	|
5+25	3.9971	4.96	| O | I	|	|	|	|
5+30	4.4301	5.90	| O I	|	|	|	|
5+35	5.0121	3.66	| I O	|	|	|	|
5+40	5.4953	0.94	| I O	|	|	|	|
5+45	3.5403	0.19	|I O	|	|	|	|
5+50	1.1769	0.08	I O	|	|	|	|
5+55	0.2991	0.05	I O	|	|	|	|
6+ 0	0.1012	0.03	O	|	|	|	|
6+ 5	0.0552	0.01	O	|	|	|	|
6+10	0.0328	0.00	O	|	|	|	|
6+15	0.0130	0.00	O	|	|	|	|
6+20	0.0021	0.00	O	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 76
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.495 (CFS)
Total volume = 0.470 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

Process from Point/Station 10.300 to Point/Station 10.200

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP10G1006100.rte

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	2.9	5.8	8.7	11.7
0+ 5	0.2191	0.22	Q	|	|	|	|
0+10	0.3442	0.35	|Q	|	|	|	|
0+15	0.3605	0.40	|Q	|	|	|	|
0+20	0.3605	0.43	|Q	|	|	|	|
0+25	0.3605	0.44	|Q	|	|	|	|
0+30	0.4043	0.48	|Q	|	|	|	|
0+35	0.4206	0.50	|Q	|	|	|	|
0+40	0.4206	0.51	|Q	|	|	|	|
0+45	0.4206	0.51	|Q	|	|	|	|
0+50	0.4206	0.51	|Q	|	|	|	|
0+55	0.4206	0.51	|Q	|	|	|	|
1+ 0	0.4644	0.56	|Q	|	|	|	|
1+ 5	0.4807	0.57	|Q	|	|	|	|
1+10	0.4807	0.59	|qQ	|	|	|	|
1+15	0.4807	0.60	|qQ	|	|	|	|
1+20	0.4807	0.60	|qQ	|	|	|	|
1+25	0.4807	0.60	|qQ	|	|	|	|
1+30	0.4807	0.60	|qQ	|	|	|	|
1+35	0.4807	0.60	|qQ	|	|	|	|
1+40	0.4807	0.60	|qQ	|	|	|	|
1+45	0.4807	0.60	|qQ	|	|	|	|
1+50	0.4807	0.60	|qQ	|	|	|	|
1+55	0.4807	0.60	|qQ	|	|	|	|
2+ 0	0.5245	0.65	|qQ	|	|	|	|
2+ 5	0.4969	0.63	|qQ	|	|	|	|
2+10	0.5245	0.71	|qQ	|	|	|	|
2+15	0.5407	0.72	|qQ	|	|	|	|
2+20	0.5407	0.74	|qQ	|	|	|	|
2+25	0.5407	0.79	|qQ	|	|	|	|
2+30	0.5407	0.79	|qQ	|	|	|	|
2+35	0.5407	0.79	|qQ	|	|	|	|
2+40	0.5407	0.79	|qQ	|	|	|	|
2+45	0.5846	0.84	| Q	|	|	|	|
2+50	0.6008	0.86	| Q	|	|	|	|
2+55	0.6008	0.93	| qQ	|	|	|	|
3+ 0	0.6008	0.98	| qQ	|	|	|	|
3+ 5	0.6008	0.98	| qQ	|	|	|	|
3+10	0.6502	1.03	| qQ	|	|	|	|
3+15	0.6685	1.06	| qQ	|	|	|	|
3+20	0.6685	1.13	| qQ	|	|	|	|
3+25	0.7808	1.29	| q Q	|	|	|	|
3+30	0.9349	1.46	| q Q	|	|	|	|
3+35	1.0890	1.69	| q Q	|	|	|	|
3+40	1.1306	1.85	| q Q	|	|	|	|
3+45	1.2430	2.08	| q Q	|	|	|	|
3+50	1.2847	2.19	| q Q	|	|	|	|
3+55	1.3971	2.38	| q Q	|	|	|	|
4+ 0	1.4388	2.48	| q Q	|	|	|	|

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   4+ 5       1.5511      2.67  |    q   Q|         |         |         |
   4+10       1.7052      2.88  |    q   Q|         |         |         |
   4+15       1.8593      3.11  |     q   Q         |         |         |
   4+20       2.0133      3.39  |     q   |Q        |         |         |
   4+25       2.1674      3.68  |      q  | Q       |         |         |
   4+30       2.2091      3.85  |      q  |  Q      |         |         |
   4+35       2.3214      4.08  |      q  |   Q     |         |         |
   4+40       2.4755      4.31  |       q |   Q     |         |         |
   4+45       2.6295      4.54  |        q|    Q    |         |         |
   4+50       2.6712      4.71  |        q|     Q   |         |         |
   4+55       2.7836      4.94  |        q|     Q   |         |         |
   5+ 0       2.9377      5.16  |         q      Q  |         |         |
   5+ 5       3.5412      5.85  |         | q       Q         |         |
   5+10       4.3115      6.78  |         |   q     |  Q      |         |
   5+15       4.8571      7.75  |         |     q   |     Q   |         |
   5+20       5.3192      8.81  |         |       q |        Q|         |
   5+25       6.0062     10.00  |         |         q         |   Q     |
   5+30       7.2260     11.66  |         |         |   q     |        Q|
   5+35       3.4434      8.46  |         |q        |        Q|         |
   5+40       0.9088      6.40  |  q      |         |Q        |         |
   5+45       0.4093      3.95  |q        |  Q      |         |         |
   5+50       0.3167      1.49  |q   Q    |         |         |         |
   5+55       0.2128      0.51  qQ        |         |         |         |
   6+ 0       0.1364      0.24  Q         |         |         |         |
   6+ 5       0.0325      0.09  Q         |         |         |         |
   6+10       0.0000      0.03  Q         |         |         |         |
   6+15       0.0000      0.01  Q         |         |         |         |
   6+20       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    76
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       11.656 (CFS)
                    Total volume =       1.110 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

      -----------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.200 to Point/Station       10.200
      **** RETARDING BASIN ROUTING ****
      _______________________________________________________________________

      User entry of depth-outflow-storage data
      -----------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 76
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      -----------------------------------------------------------------------
      -----------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      -----------------------------------------------------------------------
      -----------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
```

(Ft.)	(Ac.Ft)	(CFS)	(Ac.Ft)	(Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.474	0.050	0.474	0.474
2.000	1.063	0.210	1.062	1.064
3.000	1.776	0.340	1.775	1.777
4.000	2.621	0.430	2.620	2.622
5.000	3.607	0.510	3.605	3.609
6.000	4.742	0.570	4.740	4.744
7.000	6.035	0.630	6.033	6.037
8.000	7.496	0.680	7.494	7.498
9.000	9.132	20.140	9.063	9.201
10.000	10.951	55.699	10.759	11.143

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.9	5.83	8.74	11.66	Depth (Ft.)
0.083	0.22	0.00	0.001	O	|	|	|	|	0.00
0.167	0.35	0.00	0.003	O	|	|	|	|	0.01
0.250	0.40	0.00	0.005	OI	|	|	|	|	0.01
0.333	0.43	0.00	0.008	OI	|	|	|	|	0.02
0.417	0.44	0.00	0.011	OI	|	|	|	|	0.02
0.500	0.48	0.00	0.014	OI	|	|	|	|	0.03
0.583	0.50	0.00	0.018	OI	|	|	|	|	0.04
0.667	0.51	0.00	0.021	OI	|	|	|	|	0.04
0.750	0.51	0.00	0.025	OI	|	|	|	|	0.05
0.833	0.51	0.00	0.028	OI	|	|	|	|	0.06
0.917	0.51	0.00	0.032	OI	|	|	|	|	0.07
1.000	0.56	0.00	0.035	OI	|	|	|	|	0.07
1.083	0.57	0.00	0.039	OI	|	|	|	|	0.08
1.167	0.59	0.00	0.043	OI	|	|	|	|	0.09
1.250	0.60	0.00	0.047	OI	|	|	|	|	0.10
1.333	0.60	0.01	0.051	OI	|	|	|	|	0.11
1.417	0.60	0.01	0.055	OI	|	|	|	|	0.12
1.500	0.60	0.01	0.059	OI	|	|	|	|	0.13
1.583	0.60	0.01	0.064	OI	|	|	|	|	0.13
1.667	0.60	0.01	0.068	OI	|	|	|	|	0.14
1.750	0.60	0.01	0.072	OI	|	|	|	|	0.15
1.833	0.60	0.01	0.076	OI	|	|	|	|	0.16
1.917	0.60	0.01	0.080	OI	|	|	|	|	0.17
2.000	0.65	0.01	0.084	OI	|	|	|	|	0.18
2.083	0.63	0.01	0.089	OI	|	|	|	|	0.19
2.167	0.71	0.01	0.093	OI	|	|	|	|	0.20
2.250	0.72	0.01	0.098	OI	|	|	|	|	0.21
2.333	0.74	0.01	0.103	O I	|	|	|	|	0.22
2.417	0.79	0.01	0.108	O I	|	|	|	|	0.23
2.500	0.79	0.01	0.113	O I	|	|	|	|	0.24
2.583	0.79	0.01	0.119	O I	|	|	|	|	0.25
2.667	0.79	0.01	0.124	O I	|	|	|	|	0.26
2.750	0.84	0.01	0.130	O I	|	|	|	|	0.27
2.833	0.86	0.01	0.136	O I	|	|	|	|	0.29
2.917	0.93	0.01	0.142	O I	|	|	|	|	0.30
3.000	0.98	0.02	0.148	O I	|	|	|	|	0.31
3.083	0.98	0.02	0.155	O I	|	|	|	|	0.33
3.167	1.03	0.02	0.162	O I	|	|	|	|	0.34
3.250	1.06	0.02	0.169	O I	|	|	|	|	0.36
3.333	1.13	0.02	0.176	O I	|	|	|	|	0.37
3.417	1.29	0.02	0.184	O I	|	|	|	|	0.39

3.500	1.46	0.02	0.194	O	I	|	|	|	|	0.41	8.667	0.00	0.20	1.043	O	|	|	|	|	1.97
3.583	1.69	0.02	0.204	O	I	|	|	|	|	0.43	8.750	0.00	0.20	1.042	O	|	|	|	|	1.96
3.667	1.85	0.02	0.216	O	I	|	|	|	|	0.46	8.833	0.00	0.20	1.041	O	|	|	|	|	1.96
3.750	2.08	0.02	0.230	O	I	|	|	|	|	0.48	8.917	0.00	0.20	1.039	O	|	|	|	|	1.96
3.833	2.19	0.03	0.244	O	I	|	|	|	|	0.52	9.000	0.00	0.20	1.038	O	|	|	|	|	1.96
3.917	2.38	0.03	0.260	O	I	|	|	|	|	0.55	9.083	0.00	0.20	1.036	O	|	|	|	|	1.95
4.000	2.48	0.03	0.276	O	I	|	|	|	|	0.58	9.167	0.00	0.20	1.035	O	|	|	|	|	1.95
4.083	2.67	0.03	0.294	O	I	|	|	|	|	0.62	9.250	0.00	0.20	1.034	O	|	|	|	|	1.95
4.167	2.88	0.03	0.313	O	I	|	|	|	|	0.66	9.333	0.00	0.20	1.032	O	|	|	|	|	1.95
4.250	3.11	0.04	0.333	O	I	|	|	|	|	0.70	9.417	0.00	0.20	1.031	O	|	|	|	|	1.95
4.333	3.39	0.04	0.355	O	I	|	|	|	|	0.75	9.500	0.00	0.20	1.029	O	|	|	|	|	1.94
4.417	3.68	0.04	0.379	O	I	|	|	|	|	0.80	9.583	0.00	0.20	1.028	O	|	|	|	|	1.94
4.500	3.85	0.04	0.405	O	I	|	|	|	|	0.85	9.667	0.00	0.20	1.027	O	|	|	|	|	1.94
4.583	4.08	0.05	0.432	O	I	|	|	|	|	0.91	9.750	0.00	0.20	1.025	O	|	|	|	|	1.94
4.667	4.31	0.05	0.461	O	I	|	|	|	|	0.97	9.833	0.00	0.20	1.024	O	|	|	|	|	1.93
4.750	4.54	0.05	0.491	O	I	|	|	|	|	1.03	9.917	0.00	0.20	1.023	O	|	|	|	|	1.93
4.833	4.71	0.06	0.522	O	I	|	|	|	|	1.08	10.000	0.00	0.20	1.021	O	|	|	|	|	1.93
4.917	4.94	0.07	0.555	O	I	|	|	|	|	1.14	10.083	0.00	0.20	1.020	O	|	|	|	|	1.93
5.000	5.16	0.08	0.589	O	I	|	|	|	|	1.20	10.167	0.00	0.20	1.018	O	|	|	|	|	1.92
5.083	5.85	0.09	0.626	O	I	|	|	|	|	1.26	10.250	0.00	0.20	1.017	O	|	|	|	|	1.92
5.167	6.78	0.10	0.669	O	I	|	|	|	|	1.33	10.333	0.00	0.20	1.016	O	|	|	|	|	1.92
5.250	7.75	0.12	0.719	O	I	|	|	|	|	1.42	10.417	0.00	0.20	1.014	O	|	|	|	|	1.92
5.333	8.81	0.13	0.775	O	I	|	|	|	|	1.51	10.500	0.00	0.20	1.013	O	|	|	|	|	1.92
5.417	10.00	0.15	0.839	O	I	|	|	|	|	1.62	10.583	0.00	0.20	1.012	O	|	|	|	|	1.91
5.500	11.66	0.17	0.912	O	I	|	|	|	|	1.74	10.667	0.00	0.20	1.010	O	|	|	|	|	1.91
5.583	8.46	0.19	0.980	O	I	|	|	|	|	1.86	10.750	0.00	0.20	1.009	O	|	|	|	|	1.91
5.667	6.40	0.20	1.030	O	I	|	|	|	|	1.94	10.833	0.00	0.19	1.008	O	|	|	|	|	1.91
5.750	3.95	0.21	1.064	O	I	|	|	|	|	2.00	10.917	0.00	0.19	1.006	O	|	|	|	|	1.90
5.833	1.49	0.21	1.081	O	I	|	|	|	|	2.03	11.000	0.00	0.19	1.005	O	|	|	|	|	1.90
5.917	0.51	0.21	1.087	OI		|	|	|	|	2.03	11.083	0.00	0.19	1.004	O	|	|	|	|	1.90
6.000	0.24	0.21	1.088	O		|	|	|	|	2.04	11.167	0.00	0.19	1.002	O	|	|	|	|	1.90
6.083	0.09	0.21	1.088	O		|	|	|	|	2.03	11.250	0.00	0.19	1.001	O	|	|	|	|	1.89
6.167	0.03	0.21	1.087	O		|	|	|	|	2.03	11.333	0.00	0.19	1.000	O	|	|	|	|	1.89
6.250	0.01	0.21	1.085	O		|	|	|	|	2.03	11.417	0.00	0.19	0.998	O	|	|	|	|	1.89
6.333	0.00	0.21	1.084	O		|	|	|	|	2.03	11.500	0.00	0.19	0.997	O	|	|	|	|	1.89
6.417	0.00	0.21	1.082	O		|	|	|	|	2.03	11.583	0.00	0.19	0.996	O	|	|	|	|	1.89
6.500	0.00	0.21	1.081	O		|	|	|	|	2.03	11.667	0.00	0.19	0.994	O	|	|	|	|	1.88
6.583	0.00	0.21	1.079	O		|	|	|	|	2.02	11.750	0.00	0.19	0.993	O	|	|	|	|	1.88
6.667	0.00	0.21	1.078	O		|	|	|	|	2.02	11.833	0.00	0.19	0.992	O	|	|	|	|	1.88
6.750	0.00	0.21	1.076	O		|	|	|	|	2.02	11.917	0.00	0.19	0.990	O	|	|	|	|	1.88
6.833	0.00	0.21	1.075	O		|	|	|	|	2.02	12.000	0.00	0.19	0.989	O	|	|	|	|	1.87
6.917	0.00	0.21	1.074	O		|	|	|	|	2.01	12.083	0.00	0.19	0.988	O	|	|	|	|	1.87
7.000	0.00	0.21	1.072	O		|	|	|	|	2.01	12.167	0.00	0.19	0.986	O	|	|	|	|	1.87
7.083	0.00	0.21	1.071	O		|	|	|	|	2.01	12.250	0.00	0.19	0.985	O	|	|	|	|	1.87
7.167	0.00	0.21	1.069	O		|	|	|	|	2.01	12.333	0.00	0.19	0.984	O	|	|	|	|	1.87
7.250	0.00	0.21	1.068	O		|	|	|	|	2.01	12.417	0.00	0.19	0.983	O	|	|	|	|	1.86
7.333	0.00	0.21	1.066	O		|	|	|	|	2.00	12.500	0.00	0.19	0.981	O	|	|	|	|	1.86
7.417	0.00	0.21	1.065	O		|	|	|	|	2.00	12.583	0.00	0.19	0.980	O	|	|	|	|	1.86
7.500	0.00	0.21	1.063	O		|	|	|	|	2.00	12.667	0.00	0.19	0.979	O	|	|	|	|	1.86
7.583	0.00	0.21	1.062	O		|	|	|	|	2.00	12.750	0.00	0.19	0.977	O	|	|	|	|	1.85
7.667	0.00	0.21	1.060	O		|	|	|	|	2.00	12.833	0.00	0.19	0.976	O	|	|	|	|	1.85
7.750	0.00	0.21	1.059	O		|	|	|	|	1.99	12.917	0.00	0.19	0.975	O	|	|	|	|	1.85
7.833	0.00	0.21	1.058	O		|	|	|	|	1.99	13.000	0.00	0.19	0.974	O	|	|	|	|	1.85
7.917	0.00	0.21	1.056	O		|	|	|	|	1.99	13.083	0.00	0.19	0.972	O	|	|	|	|	1.85
8.000	0.00	0.21	1.055	O		|	|	|	|	1.99	13.167	0.00	0.19	0.971	O	|	|	|	|	1.84
8.083	0.00	0.21	1.053	O		|	|	|	|	1.98	13.250	0.00	0.18	0.970	O	|	|	|	|	1.84
8.167	0.00	0.21	1.052	O		|	|	|	|	1.98	13.333	0.00	0.18	0.968	O	|	|	|	|	1.84
8.250	0.00	0.21	1.050	O		|	|	|	|	1.98	13.417	0.00	0.18	0.967	O	|	|	|	|	1.84
8.333	0.00	0.21	1.049	O		|	|	|	|	1.98	13.500	0.00	0.18	0.966	O	|	|	|	|	1.84
8.417	0.00	0.21	1.048	O		|	|	|	|	1.97	13.583	0.00	0.18	0.965	O	|	|	|	|	1.83
8.500	0.00	0.21	1.046	O		|	|	|	|	1.97	13.667	0.00	0.18	0.963	O	|	|	|	|	1.83
8.583	0.00	0.21	1.045	O		|	|	|	|	1.97	13.750	0.00	0.18	0.962	O	|	|	|	|	1.83

13.833	0.00	0.18	0.961	O					1.83	19.000	0.00	0.16	0.887	O					1.70
13.917	0.00	0.18	0.960	O					1.82	19.083	0.00	0.16	0.886	O					1.70
14.000	0.00	0.18	0.958	O					1.82	19.167	0.00	0.16	0.885	O					1.70
14.083	0.00	0.18	0.957	O					1.82	19.250	0.00	0.16	0.884	O					1.70
14.167	0.00	0.18	0.956	O					1.82	19.333	0.00	0.16	0.883	O					1.69
14.250	0.00	0.18	0.955	O					1.82	19.417	0.00	0.16	0.882	O					1.69
14.333	0.00	0.18	0.953	O					1.81	19.500	0.00	0.16	0.881	O					1.69
14.417	0.00	0.18	0.952	O					1.81	19.583	0.00	0.16	0.880	O					1.69
14.500	0.00	0.18	0.951	O					1.81	19.667	0.00	0.16	0.879	O					1.69
14.583	0.00	0.18	0.950	O					1.81	19.750	0.00	0.16	0.877	O					1.68
14.667	0.00	0.18	0.948	O					1.81	19.833	0.00	0.16	0.876	O					1.68
14.750	0.00	0.18	0.947	O					1.80	19.917	0.00	0.16	0.875	O					1.68
14.833	0.00	0.18	0.946	O					1.80	20.000	0.00	0.16	0.874	O					1.68
14.917	0.00	0.18	0.945	O					1.80	20.083	0.00	0.16	0.873	O					1.68
15.000	0.00	0.18	0.944	O					1.80	20.167	0.00	0.16	0.872	O					1.68
15.083	0.00	0.18	0.942	O					1.80	20.250	0.00	0.16	0.871	O					1.67
15.167	0.00	0.18	0.941	O					1.79	20.333	0.00	0.16	0.870	O					1.67
15.250	0.00	0.18	0.940	O					1.79	20.417	0.00	0.16	0.869	O					1.67
15.333	0.00	0.18	0.939	O					1.79	20.500	0.00	0.16	0.868	O					1.67
15.417	0.00	0.18	0.937	O					1.79	20.583	0.00	0.16	0.867	O					1.67
15.500	0.00	0.18	0.936	O					1.78	20.667	0.00	0.16	0.865	O					1.66
15.583	0.00	0.18	0.935	O					1.78	20.750	0.00	0.16	0.864	O					1.66
15.667	0.00	0.17	0.934	O					1.78	20.833	0.00	0.16	0.863	O					1.66
15.750	0.00	0.17	0.933	O					1.78	20.917	0.00	0.16	0.862	O					1.66
15.833	0.00	0.17	0.931	O					1.78	21.000	0.00	0.16	0.861	O					1.66
15.917	0.00	0.17	0.930	O					1.77	21.083	0.00	0.15	0.860	O					1.66
16.000	0.00	0.17	0.929	O					1.77	21.167	0.00	0.15	0.859	O					1.65
16.083	0.00	0.17	0.928	O					1.77	21.250	0.00	0.15	0.858	O					1.65
16.167	0.00	0.17	0.927	O					1.77	21.333	0.00	0.15	0.857	O					1.65
16.250	0.00	0.17	0.925	O					1.77	21.417	0.00	0.15	0.856	O					1.65
16.333	0.00	0.17	0.924	O					1.76	21.500	0.00	0.15	0.855	O					1.65
16.417	0.00	0.17	0.923	O					1.76	21.583	0.00	0.15	0.854	O					1.64
16.500	0.00	0.17	0.922	O					1.76	21.667	0.00	0.15	0.853	O					1.64
16.583	0.00	0.17	0.921	O					1.76	21.750	0.00	0.15	0.852	O					1.64
16.667	0.00	0.17	0.920	O					1.76	21.833	0.00	0.15	0.851	O					1.64
16.750	0.00	0.17	0.918	O					1.75	21.917	0.00	0.15	0.850	O					1.64
16.833	0.00	0.17	0.917	O					1.75	22.000	0.00	0.15	0.848	O					1.64
16.917	0.00	0.17	0.916	O					1.75	22.083	0.00	0.15	0.847	O					1.63
17.000	0.00	0.17	0.915	O					1.75	22.167	0.00	0.15	0.846	O					1.63
17.083	0.00	0.17	0.914	O					1.75	22.250	0.00	0.15	0.845	O					1.63
17.167	0.00	0.17	0.912	O					1.74	22.333	0.00	0.15	0.844	O					1.63
17.250	0.00	0.17	0.911	O					1.74	22.417	0.00	0.15	0.843	O					1.63
17.333	0.00	0.17	0.910	O					1.74	22.500	0.00	0.15	0.842	O					1.63
17.417	0.00	0.17	0.909	O					1.74	22.583	0.00	0.15	0.841	O					1.62
17.500	0.00	0.17	0.908	O					1.74	22.667	0.00	0.15	0.840	O					1.62
17.583	0.00	0.17	0.907	O					1.73	22.750	0.00	0.15	0.839	O					1.62
17.667	0.00	0.17	0.906	O					1.73	22.833	0.00	0.15	0.838	O					1.62
17.750	0.00	0.17	0.904	O					1.73	22.917	0.00	0.15	0.837	O					1.62
17.833	0.00	0.17	0.903	O					1.73	23.000	0.00	0.15	0.836	O					1.61
17.917	0.00	0.17	0.902	O					1.73	23.083	0.00	0.15	0.835	O					1.61
18.000	0.00	0.17	0.901	O					1.72	23.167	0.00	0.15	0.834	O					1.61
18.083	0.00	0.17	0.900	O					1.72	23.250	0.00	0.15	0.833	O					1.61
18.167	0.00	0.17	0.899	O					1.72	23.333	0.00	0.15	0.832	O					1.61
18.250	0.00	0.17	0.898	O					1.72	23.417	0.00	0.15	0.831	O					1.61
18.333	0.00	0.16	0.896	O					1.72	23.500	0.00	0.15	0.830	O					1.60
18.417	0.00	0.16	0.895	O					1.72	23.583	0.00	0.15	0.829	O					1.60
18.500	0.00	0.16	0.894	O					1.71	23.667	0.00	0.15	0.828	O					1.60
18.583	0.00	0.16	0.893	O					1.71	23.750	0.00	0.15	0.827	O					1.60
18.667	0.00	0.16	0.892	O					1.71	23.833	0.00	0.15	0.826	O					1.60
18.750	0.00	0.16	0.891	O					1.71	23.917	0.00	0.15	0.825	O					1.60
18.833	0.00	0.16	0.890	O					1.71	24.000	0.00	0.15	0.824	O					1.59
18.917	0.00	0.16	0.889	O					1.70	24.083	0.00	0.14	0.823	O					1.59

24.167	0.00	0.14	0.822	O					1.59	29.333	0.00	0.13	0.764	O					1.49
24.250	0.00	0.14	0.821	O					1.59	29.417	0.00	0.13	0.763	O					1.49
24.333	0.00	0.14	0.820	O					1.59	29.500	0.00	0.13	0.762	O					1.49
24.417	0.00	0.14	0.819	O					1.59	29.583	0.00	0.13	0.761	O					1.49
24.500	0.00	0.14	0.818	O					1.58	29.667	0.00	0.13	0.760	O					1.49
24.583	0.00	0.14	0.817	O					1.58	29.750	0.00	0.13	0.759	O					1.48
24.667	0.00	0.14	0.816	O					1.58	29.833	0.00	0.13	0.758	O					1.48
24.750	0.00	0.14	0.815	O					1.58	29.917	0.00	0.13	0.758	O					1.48
24.833	0.00	0.14	0.814	O					1.58	30.000	0.00	0.13	0.757	O					1.48
24.917	0.00	0.14	0.813	O					1.58	30.083	0.00	0.13	0.756	O					1.48
25.000	0.00	0.14	0.812	O					1.57	30.167	0.00	0.13	0.755	O					1.48
25.083	0.00	0.14	0.811	O					1.57	30.250	0.00	0.13	0.754	O					1.48
25.167	0.00	0.14	0.810	O					1.57	30.333	0.00	0.13	0.753	O					1.47
25.250	0.00	0.14	0.809	O					1.57	30.417	0.00	0.13	0.752	O					1.47
25.333	0.00	0.14	0.808	O					1.57	30.500	0.00	0.13	0.751	O					1.47
25.417	0.00	0.14	0.807	O					1.57	30.583	0.00	0.13	0.751	O					1.47
25.500	0.00	0.14	0.806	O					1.56	30.667	0.00	0.12	0.750	O					1.47
25.583	0.00	0.14	0.805	O					1.56	30.750	0.00	0.12	0.749	O					1.47
25.667	0.00	0.14	0.804	O					1.56	30.833	0.00	0.12	0.748	O					1.47
25.750	0.00	0.14	0.803	O					1.56	30.917	0.00	0.12	0.747	O					1.46
25.833	0.00	0.14	0.802	O					1.56	31.000	0.00	0.12	0.746	O					1.46
25.917	0.00	0.14	0.801	O					1.56	31.083	0.00	0.12	0.745	O					1.46
26.000	0.00	0.14	0.801	O					1.55	31.167	0.00	0.12	0.745	O					1.46
26.083	0.00	0.14	0.800	O					1.55	31.250	0.00	0.12	0.744	O					1.46
26.167	0.00	0.14	0.799	O					1.55	31.333	0.00	0.12	0.743	O					1.46
26.250	0.00	0.14	0.798	O					1.55	31.417	0.00	0.12	0.742	O					1.46
26.333	0.00	0.14	0.797	O					1.55	31.500	0.00	0.12	0.741	O					1.45
26.417	0.00	0.14	0.796	O					1.55	31.583	0.00	0.12	0.740	O					1.45
26.500	0.00	0.14	0.795	O					1.54	31.667	0.00	0.12	0.740	O					1.45
26.583	0.00	0.14	0.794	O					1.54	31.750	0.00	0.12	0.739	O					1.45
26.667	0.00	0.14	0.793	O					1.54	31.833	0.00	0.12	0.738	O					1.45
26.750	0.00	0.14	0.792	O					1.54	31.917	0.00	0.12	0.737	O					1.45
26.833	0.00	0.14	0.791	O					1.54	32.000	0.00	0.12	0.736	O					1.45
26.917	0.00	0.14	0.790	O					1.54	32.083	0.00	0.12	0.735	O					1.44
27.000	0.00	0.14	0.789	O					1.54	32.167	0.00	0.12	0.734	O					1.44
27.083	0.00	0.14	0.788	O					1.53	32.250	0.00	0.12	0.734	O					1.44
27.167	0.00	0.14	0.787	O					1.53	32.333	0.00	0.12	0.733	O					1.44
27.250	0.00	0.13	0.786	O					1.53	32.417	0.00	0.12	0.732	O					1.44
27.333	0.00	0.13	0.785	O					1.53	32.500	0.00	0.12	0.731	O					1.44
27.417	0.00	0.13	0.785	O					1.53	32.583	0.00	0.12	0.730	O					1.44
27.500	0.00	0.13	0.784	O					1.53	32.667	0.00	0.12	0.730	O					1.43
27.583	0.00	0.13	0.783	O					1.52	32.750	0.00	0.12	0.729	O					1.43
27.667	0.00	0.13	0.782	O					1.52	32.833	0.00	0.12	0.728	O					1.43
27.750	0.00	0.13	0.781	O					1.52	32.917	0.00	0.12	0.727	O					1.43
27.833	0.00	0.13	0.780	O					1.52	33.000	0.00	0.12	0.726	O					1.43
27.917	0.00	0.13	0.779	O					1.52	33.083	0.00	0.12	0.725	O					1.43
28.000	0.00	0.13	0.778	O					1.52	33.167	0.00	0.12	0.725	O					1.43
28.083	0.00	0.13	0.777	O					1.51	33.250	0.00	0.12	0.724	O					1.42
28.167	0.00	0.13	0.776	O					1.51	33.333	0.00	0.12	0.723	O					1.42
28.250	0.00	0.13	0.775	O					1.51	33.417	0.00	0.12	0.722	O					1.42
28.333	0.00	0.13	0.774	O					1.51	33.500	0.00	0.12	0.721	O					1.42
28.417	0.00	0.13	0.774	O					1.51	33.583	0.00	0.12	0.721	O					1.42
28.500	0.00	0.13	0.773	O					1.51	33.667	0.00	0.12	0.720	O					1.42
28.583	0.00	0.13	0.772	O					1.51	33.750	0.00	0.12	0.719	O					1.42
28.667	0.00	0.13	0.771	O					1.50	33.833	0.00	0.12	0.718	O					1.41
28.750	0.00	0.13	0.770	O					1.50	33.917	0.00	0.12	0.717	O					1.41
28.833	0.00	0.13	0.769	O					1.50	34.000	0.00	0.12	0.717	O					1.41
28.917	0.00	0.13	0.768	O					1.50	34.083	0.00	0.12	0.716	O					1.41
29.000	0.00	0.13	0.767	O					1.50	34.167	0.00	0.12	0.715	O					1.41
29.083	0.00	0.13	0.766	O					1.50	34.250	0.00	0.12	0.714	O					1.41
29.167	0.00	0.13	0.765	O					1.49	34.333	0.00	0.12	0.713	O					1.41
29.250	0.00	0.13	0.765	O					1.49	34.417	0.00	0.11	0.713	O					1.41

34.500	0.00	0.11	0.712	O					1.40	39.667	0.00	0.10	0.666	O					1.33
34.583	0.00	0.11	0.711	O					1.40	39.750	0.00	0.10	0.665	O					1.32
34.667	0.00	0.11	0.710	O					1.40	39.833	0.00	0.10	0.664	O					1.32
34.750	0.00	0.11	0.709	O					1.40	39.917	0.00	0.10	0.663	O					1.32
34.833	0.00	0.11	0.709	O					1.40	40.000	0.00	0.10	0.663	O					1.32
34.917	0.00	0.11	0.708	O					1.40	40.083	0.00	0.10	0.662	O					1.32
35.000	0.00	0.11	0.707	O					1.40	40.167	0.00	0.10	0.661	O					1.32
35.083	0.00	0.11	0.706	O					1.39	40.250	0.00	0.10	0.661	O					1.32
35.167	0.00	0.11	0.706	O					1.39	40.333	0.00	0.10	0.660	O					1.32
35.250	0.00	0.11	0.705	O					1.39	40.417	0.00	0.10	0.659	O					1.31
35.333	0.00	0.11	0.704	O					1.39	40.500	0.00	0.10	0.659	O					1.31
35.417	0.00	0.11	0.703	O					1.39	40.583	0.00	0.10	0.658	O					1.31
35.500	0.00	0.11	0.702	O					1.39	40.667	0.00	0.10	0.657	O					1.31
35.583	0.00	0.11	0.702	O					1.39	40.750	0.00	0.10	0.657	O					1.31
35.667	0.00	0.11	0.701	O					1.39	40.833	0.00	0.10	0.656	O					1.31
35.750	0.00	0.11	0.700	O					1.38	40.917	0.00	0.10	0.655	O					1.31
35.833	0.00	0.11	0.699	O					1.38	41.000	0.00	0.10	0.655	O					1.31
35.917	0.00	0.11	0.699	O					1.38	41.083	0.00	0.10	0.654	O					1.31
36.000	0.00	0.11	0.698	O					1.38	41.167	0.00	0.10	0.653	O					1.30
36.083	0.00	0.11	0.697	O					1.38	41.250	0.00	0.10	0.652	O					1.30
36.167	0.00	0.11	0.696	O					1.38	41.333	0.00	0.10	0.652	O					1.30
36.250	0.00	0.11	0.696	O					1.38	41.417	0.00	0.10	0.651	O					1.30
36.333	0.00	0.11	0.695	O					1.37	41.500	0.00	0.10	0.650	O					1.30
36.417	0.00	0.11	0.694	O					1.37	41.583	0.00	0.10	0.650	O					1.30
36.500	0.00	0.11	0.693	O					1.37	41.667	0.00	0.10	0.649	O					1.30
36.583	0.00	0.11	0.693	O					1.37	41.750	0.00	0.10	0.648	O					1.30
36.667	0.00	0.11	0.692	O					1.37	41.833	0.00	0.10	0.648	O					1.30
36.750	0.00	0.11	0.691	O					1.37	41.917	0.00	0.10	0.647	O					1.29
36.833	0.00	0.11	0.690	O					1.37	42.000	0.00	0.10	0.646	O					1.29
36.917	0.00	0.11	0.690	O					1.37	42.083	0.00	0.10	0.646	O					1.29
37.000	0.00	0.11	0.689	O					1.36	42.167	0.00	0.10	0.645	O					1.29
37.083	0.00	0.11	0.688	O					1.36	42.250	0.00	0.10	0.644	O					1.29
37.167	0.00	0.11	0.687	O					1.36	42.333	0.00	0.10	0.644	O					1.29
37.250	0.00	0.11	0.687	O					1.36	42.417	0.00	0.10	0.643	O					1.29
37.333	0.00	0.11	0.686	O					1.36	42.500	0.00	0.10	0.642	O					1.29
37.417	0.00	0.11	0.685	O					1.36	42.583	0.00	0.10	0.642	O					1.28
37.500	0.00	0.11	0.684	O					1.36	42.667	0.00	0.10	0.641	O					1.28
37.583	0.00	0.11	0.684	O					1.36	42.750	0.00	0.10	0.640	O					1.28
37.667	0.00	0.11	0.683	O					1.35	42.833	0.00	0.10	0.640	O					1.28
37.750	0.00	0.11	0.682	O					1.35	42.917	0.00	0.09	0.639	O					1.28
37.833	0.00	0.11	0.681	O					1.35	43.000	0.00	0.09	0.639	O					1.28
37.917	0.00	0.11	0.681	O					1.35	43.083	0.00	0.09	0.638	O					1.28
38.000	0.00	0.11	0.680	O					1.35	43.167	0.00	0.09	0.637	O					1.28
38.083	0.00	0.11	0.679	O					1.35	43.250	0.00	0.09	0.637	O					1.28
38.167	0.00	0.11	0.678	O					1.35	43.333	0.00	0.09	0.636	O					1.27
38.250	0.00	0.11	0.678	O					1.35	43.417	0.00	0.09	0.635	O					1.27
38.333	0.00	0.11	0.677	O					1.34	43.500	0.00	0.09	0.635	O					1.27
38.417	0.00	0.10	0.676	O					1.34	43.583	0.00	0.09	0.634	O					1.27
38.500	0.00	0.10	0.676	O					1.34	43.667	0.00	0.09	0.633	O					1.27
38.583	0.00	0.10	0.675	O					1.34	43.750	0.00	0.09	0.633	O					1.27
38.667	0.00	0.10	0.674	O					1.34	43.833	0.00	0.09	0.632	O					1.27
38.750	0.00	0.10	0.673	O					1.34	43.917	0.00	0.09	0.631	O					1.27
38.833	0.00	0.10	0.673	O					1.34	44.000	0.00	0.09	0.631	O					1.27
38.917	0.00	0.10	0.672	O					1.34	44.083	0.00	0.09	0.630	O					1.27
39.000	0.00	0.10	0.671	O					1.33	44.167	0.00	0.09	0.630	O					1.26
39.083	0.00	0.10	0.671	O					1.33	44.250	0.00	0.09	0.629	O					1.26
39.167	0.00	0.10	0.670	O					1.33	44.333	0.00	0.09	0.628	O					1.26
39.250	0.00	0.10	0.669	O					1.33	44.417	0.00	0.09	0.628	O					1.26
39.333	0.00	0.10	0.668	O					1.33	44.500	0.00	0.09	0.627	O					1.26
39.417	0.00	0.10	0.668	O					1.33	44.583	0.00	0.09	0.626	O					1.26
39.500	0.00	0.10	0.667	O					1.33	44.667	0.00	0.09	0.626	O					1.26
39.583	0.00	0.10	0.666	O					1.33	44.750	0.00	0.09	0.625	O					1.26

44.833	0.00	0.09	0.624	O	|	|	|	|	1.26	50.000	0.00	0.08	0.588	O	|	|	|	|	1.19
44.917	0.00	0.09	0.624	O	|	|	|	|	1.25	50.083	0.00	0.08	0.587	O	|	|	|	|	1.19
45.000	0.00	0.09	0.623	O	|	|	|	|	1.25	50.167	0.00	0.08	0.587	O	|	|	|	|	1.19
45.083	0.00	0.09	0.623	O	|	|	|	|	1.25	50.250	0.00	0.08	0.586	O	|	|	|	|	1.19
45.167	0.00	0.09	0.622	O	|	|	|	|	1.25	50.333	0.00	0.08	0.586	O	|	|	|	|	1.19
45.250	0.00	0.09	0.621	O	|	|	|	|	1.25	50.417	0.00	0.08	0.585	O	|	|	|	|	1.19
45.333	0.00	0.09	0.621	O	|	|	|	|	1.25	50.500	0.00	0.08	0.584	O	|	|	|	|	1.19
45.417	0.00	0.09	0.620	O	|	|	|	|	1.25	50.583	0.00	0.08	0.584	O	|	|	|	|	1.19
45.500	0.00	0.09	0.619	O	|	|	|	|	1.25	50.667	0.00	0.08	0.583	O	|	|	|	|	1.19
45.583	0.00	0.09	0.619	O	|	|	|	|	1.25	50.750	0.00	0.08	0.583	O	|	|	|	|	1.18
45.667	0.00	0.09	0.618	O	|	|	|	|	1.24	50.833	0.00	0.08	0.582	O	|	|	|	|	1.18
45.750	0.00	0.09	0.618	O	|	|	|	|	1.24	50.917	0.00	0.08	0.582	O	|	|	|	|	1.18
45.833	0.00	0.09	0.617	O	|	|	|	|	1.24	51.000	0.00	0.08	0.581	O	|	|	|	|	1.18
45.917	0.00	0.09	0.616	O	|	|	|	|	1.24	51.083	0.00	0.08	0.581	O	|	|	|	|	1.18
46.000	0.00	0.09	0.616	O	|	|	|	|	1.24	51.167	0.00	0.08	0.580	O	|	|	|	|	1.18
46.083	0.00	0.09	0.615	O	|	|	|	|	1.24	51.250	0.00	0.08	0.580	O	|	|	|	|	1.18
46.167	0.00	0.09	0.615	O	|	|	|	|	1.24	51.333	0.00	0.08	0.579	O	|	|	|	|	1.18
46.250	0.00	0.09	0.614	O	|	|	|	|	1.24	51.417	0.00	0.08	0.578	O	|	|	|	|	1.18
46.333	0.00	0.09	0.613	O	|	|	|	|	1.24	51.500	0.00	0.08	0.578	O	|	|	|	|	1.18
46.417	0.00	0.09	0.613	O	|	|	|	|	1.24	51.583	0.00	0.08	0.577	O	|	|	|	|	1.18
46.500	0.00	0.09	0.612	O	|	|	|	|	1.23	51.667	0.00	0.08	0.577	O	|	|	|	|	1.17
46.583	0.00	0.09	0.612	O	|	|	|	|	1.23	51.750	0.00	0.08	0.576	O	|	|	|	|	1.17
46.667	0.00	0.09	0.611	O	|	|	|	|	1.23	51.833	0.00	0.08	0.576	O	|	|	|	|	1.17
46.750	0.00	0.09	0.610	O	|	|	|	|	1.23	51.917	0.00	0.08	0.575	O	|	|	|	|	1.17
46.833	0.00	0.09	0.610	O	|	|	|	|	1.23	52.000	0.00	0.08	0.575	O	|	|	|	|	1.17
46.917	0.00	0.09	0.609	O	|	|	|	|	1.23	52.083	0.00	0.08	0.574	O	|	|	|	|	1.17
47.000	0.00	0.09	0.609	O	|	|	|	|	1.23	52.167	0.00	0.08	0.574	O	|	|	|	|	1.17
47.083	0.00	0.09	0.608	O	|	|	|	|	1.23	52.250	0.00	0.08	0.573	O	|	|	|	|	1.17
47.167	0.00	0.09	0.607	O	|	|	|	|	1.23	52.333	0.00	0.08	0.573	O	|	|	|	|	1.17
47.250	0.00	0.09	0.607	O	|	|	|	|	1.23	52.417	0.00	0.08	0.572	O	|	|	|	|	1.17
47.333	0.00	0.09	0.606	O	|	|	|	|	1.22	52.500	0.00	0.08	0.572	O	|	|	|	|	1.17
47.417	0.00	0.09	0.606	O	|	|	|	|	1.22	52.583	0.00	0.08	0.571	O	|	|	|	|	1.16
47.500	0.00	0.09	0.605	O	|	|	|	|	1.22	52.667	0.00	0.08	0.571	O	|	|	|	|	1.16
47.583	0.00	0.09	0.604	O	|	|	|	|	1.22	52.750	0.00	0.08	0.570	O	|	|	|	|	1.16
47.667	0.00	0.09	0.604	O	|	|	|	|	1.22	52.833	0.00	0.08	0.569	O	|	|	|	|	1.16
47.750	0.00	0.09	0.603	O	|	|	|	|	1.22	52.917	0.00	0.08	0.569	O	|	|	|	|	1.16
47.833	0.00	0.08	0.603	O	|	|	|	|	1.22	53.000	0.00	0.08	0.568	O	|	|	|	|	1.16
47.917	0.00	0.08	0.602	O	|	|	|	|	1.22	53.083	0.00	0.08	0.568	O	|	|	|	|	1.16
48.000	0.00	0.08	0.602	O	|	|	|	|	1.22	53.167	0.00	0.08	0.567	O	|	|	|	|	1.16
48.083	0.00	0.08	0.601	O	|	|	|	|	1.22	53.250	0.00	0.08	0.567	O	|	|	|	|	1.16
48.167	0.00	0.08	0.600	O	|	|	|	|	1.21	53.333	0.00	0.08	0.566	O	|	|	|	|	1.16
48.250	0.00	0.08	0.600	O	|	|	|	|	1.21	53.417	0.00	0.07	0.566	O	|	|	|	|	1.16
48.333	0.00	0.08	0.599	O	|	|	|	|	1.21	53.500	0.00	0.07	0.565	O	|	|	|	|	1.16
48.417	0.00	0.08	0.599	O	|	|	|	|	1.21	53.583	0.00	0.07	0.565	O	|	|	|	|	1.15
48.500	0.00	0.08	0.598	O	|	|	|	|	1.21	53.667	0.00	0.07	0.564	O	|	|	|	|	1.15
48.583	0.00	0.08	0.597	O	|	|	|	|	1.21	53.750	0.00	0.07	0.564	O	|	|	|	|	1.15
48.667	0.00	0.08	0.597	O	|	|	|	|	1.21	53.833	0.00	0.07	0.563	O	|	|	|	|	1.15
48.750	0.00	0.08	0.596	O	|	|	|	|	1.21	53.917	0.00	0.07	0.563	O	|	|	|	|	1.15
48.833	0.00	0.08	0.596	O	|	|	|	|	1.21	54.000	0.00	0.07	0.562	O	|	|	|	|	1.15
48.917	0.00	0.08	0.595	O	|	|	|	|	1.21	54.083	0.00	0.07	0.562	O	|	|	|	|	1.15
49.000	0.00	0.08	0.595	O	|	|	|	|	1.20	54.167	0.00	0.07	0.561	O	|	|	|	|	1.15
49.083	0.00	0.08	0.594	O	|	|	|	|	1.20	54.250	0.00	0.07	0.561	O	|	|	|	|	1.15
49.167	0.00	0.08	0.593	O	|	|	|	|	1.20	54.333	0.00	0.07	0.560	O	|	|	|	|	1.15
49.250	0.00	0.08	0.593	O	|	|	|	|	1.20	54.417	0.00	0.07	0.560	O	|	|	|	|	1.15
49.333	0.00	0.08	0.592	O	|	|	|	|	1.20	54.500	0.00	0.07	0.559	O	|	|	|	|	1.14
49.417	0.00	0.08	0.592	O	|	|	|	|	1.20	54.583	0.00	0.07	0.559	O	|	|	|	|	1.14
49.500	0.00	0.08	0.591	O	|	|	|	|	1.20	54.667	0.00	0.07	0.558	O	|	|	|	|	1.14
49.583	0.00	0.08	0.591	O	|	|	|	|	1.20	54.750	0.00	0.07	0.558	O	|	|	|	|	1.14
49.667	0.00	0.08	0.590	O	|	|	|	|	1.20	54.833	0.00	0.07	0.557	O	|	|	|	|	1.14
49.750	0.00	0.08	0.589	O	|	|	|	|	1.20	54.917	0.00	0.07	0.557	O	|	|	|	|	1.14
49.833	0.00	0.08	0.589	O	|	|	|	|	1.20	55.000	0.00	0.07	0.556	O	|	|	|	|	1.14
49.917	0.00	0.08	0.588	O	|	|	|	|	1.19	55.083	0.00	0.07	0.556	O	|	|	|	|	1.14

55.167	0.00	0.07	0.555	O	|	|	|	|	1.14	60.333	0.00	0.06	0.526	O	|	|	|	|	1.09
55.250	0.00	0.07	0.555	O	|	|	|	|	1.14	60.417	0.00	0.06	0.526	O	|	|	|	|	1.09
55.333	0.00	0.07	0.554	O	|	|	|	|	1.14	60.500	0.00	0.06	0.525	O	|	|	|	|	1.09
55.417	0.00	0.07	0.554	O	|	|	|	|	1.14	60.583	0.00	0.06	0.525	O	|	|	|	|	1.09
55.500	0.00	0.07	0.553	O	|	|	|	|	1.13	60.667	0.00	0.06	0.524	O	|	|	|	|	1.09
55.583	0.00	0.07	0.553	O	|	|	|	|	1.13	60.750	0.00	0.06	0.524	O	|	|	|	|	1.08
55.667	0.00	0.07	0.552	O	|	|	|	|	1.13	60.833	0.00	0.06	0.524	O	|	|	|	|	1.08
55.750	0.00	0.07	0.552	O	|	|	|	|	1.13	60.917	0.00	0.06	0.523	O	|	|	|	|	1.08
55.833	0.00	0.07	0.551	O	|	|	|	|	1.13	61.000	0.00	0.06	0.523	O	|	|	|	|	1.08
55.917	0.00	0.07	0.551	O	|	|	|	|	1.13	61.083	0.00	0.06	0.522	O	|	|	|	|	1.08
56.000	0.00	0.07	0.550	O	|	|	|	|	1.13	61.167	0.00	0.06	0.522	O	|	|	|	|	1.08
56.083	0.00	0.07	0.550	O	|	|	|	|	1.13	61.250	0.00	0.06	0.521	O	|	|	|	|	1.08
56.167	0.00	0.07	0.549	O	|	|	|	|	1.13	61.333	0.00	0.06	0.521	O	|	|	|	|	1.08
56.250	0.00	0.07	0.549	O	|	|	|	|	1.13	61.417	0.00	0.06	0.520	O	|	|	|	|	1.08
56.333	0.00	0.07	0.548	O	|	|	|	|	1.13	61.500	0.00	0.06	0.520	O	|	|	|	|	1.08
56.417	0.00	0.07	0.548	O	|	|	|	|	1.13	61.583	0.00	0.06	0.520	O	|	|	|	|	1.08
56.500	0.00	0.07	0.547	O	|	|	|	|	1.12	61.667	0.00	0.06	0.519	O	|	|	|	|	1.08
56.583	0.00	0.07	0.547	O	|	|	|	|	1.12	61.750	0.00	0.06	0.519	O	|	|	|	|	1.08
56.667	0.00	0.07	0.546	O	|	|	|	|	1.12	61.833	0.00	0.06	0.518	O	|	|	|	|	1.08
56.750	0.00	0.07	0.546	O	|	|	|	|	1.12	61.917	0.00	0.06	0.518	O	|	|	|	|	1.07
56.833	0.00	0.07	0.545	O	|	|	|	|	1.12	62.000	0.00	0.06	0.517	O	|	|	|	|	1.07
56.917	0.00	0.07	0.545	O	|	|	|	|	1.12	62.083	0.00	0.06	0.517	O	|	|	|	|	1.07
57.000	0.00	0.07	0.545	O	|	|	|	|	1.12	62.167	0.00	0.06	0.517	O	|	|	|	|	1.07
57.083	0.00	0.07	0.544	O	|	|	|	|	1.12	62.250	0.00	0.06	0.516	O	|	|	|	|	1.07
57.167	0.00	0.07	0.544	O	|	|	|	|	1.12	62.333	0.00	0.06	0.516	O	|	|	|	|	1.07
57.250	0.00	0.07	0.543	O	|	|	|	|	1.12	62.417	0.00	0.06	0.515	O	|	|	|	|	1.07
57.333	0.00	0.07	0.543	O	|	|	|	|	1.12	62.500	0.00	0.06	0.515	O	|	|	|	|	1.07
57.417	0.00	0.07	0.542	O	|	|	|	|	1.12	62.583	0.00	0.06	0.515	O	|	|	|	|	1.07
57.500	0.00	0.07	0.542	O	|	|	|	|	1.11	62.667	0.00	0.06	0.514	O	|	|	|	|	1.07
57.583	0.00	0.07	0.541	O	|	|	|	|	1.11	62.750	0.00	0.06	0.514	O	|	|	|	|	1.07
57.667	0.00	0.07	0.541	O	|	|	|	|	1.11	62.833	0.00	0.06	0.513	O	|	|	|	|	1.07
57.750	0.00	0.07	0.540	O	|	|	|	|	1.11	62.917	0.00	0.06	0.513	O	|	|	|	|	1.07
57.833	0.00	0.07	0.540	O	|	|	|	|	1.11	63.000	0.00	0.06	0.512	O	|	|	|	|	1.07
57.917	0.00	0.07	0.539	O	|	|	|	|	1.11	63.083	0.00	0.06	0.512	O	|	|	|	|	1.06
58.000	0.00	0.07	0.539	O	|	|	|	|	1.11	63.167	0.00	0.06	0.512	O	|	|	|	|	1.06
58.083	0.00	0.07	0.538	O	|	|	|	|	1.11	63.250	0.00	0.06	0.511	O	|	|	|	|	1.06
58.167	0.00	0.07	0.538	O	|	|	|	|	1.11	63.333	0.00	0.06	0.511	O	|	|	|	|	1.06
58.250	0.00	0.07	0.537	O	|	|	|	|	1.11	63.417	0.00	0.06	0.510	O	|	|	|	|	1.06
58.333	0.00	0.07	0.537	O	|	|	|	|	1.11	63.500	0.00	0.06	0.510	O	|	|	|	|	1.06
58.417	0.00	0.07	0.537	O	|	|	|	|	1.11	63.583	0.00	0.06	0.510	O	|	|	|	|	1.06
58.500	0.00	0.07	0.536	O	|	|	|	|	1.11	63.667	0.00	0.06	0.509	O	|	|	|	|	1.06
58.583	0.00	0.07	0.536	O	|	|	|	|	1.10	63.750	0.00	0.06	0.509	O	|	|	|	|	1.06
58.667	0.00	0.07	0.535	O	|	|	|	|	1.10	63.833	0.00	0.06	0.508	O	|	|	|	|	1.06
58.750	0.00	0.07	0.535	O	|	|	|	|	1.10	63.917	0.00	0.06	0.508	O	|	|	|	|	1.06
58.833	0.00	0.07	0.534	O	|	|	|	|	1.10	64.000	0.00	0.06	0.507	O	|	|	|	|	1.06
58.917	0.00	0.07	0.534	O	|	|	|	|	1.10	64.083	0.00	0.06	0.507	O	|	|	|	|	1.06
59.000	0.00	0.07	0.533	O	|	|	|	|	1.10	64.167	0.00	0.06	0.507	O	|	|	|	|	1.06
59.083	0.00	0.07	0.533	O	|	|	|	|	1.10	64.250	0.00	0.06	0.506	O	|	|	|	|	1.05
59.167	0.00	0.07	0.532	O	|	|	|	|	1.10	64.333	0.00	0.06	0.506	O	|	|	|	|	1.05
59.250	0.00	0.07	0.532	O	|	|	|	|	1.10	64.417	0.00	0.06	0.505	O	|	|	|	|	1.05
59.333	0.00	0.07	0.532	O	|	|	|	|	1.10	64.500	0.00	0.06	0.505	O	|	|	|	|	1.05
59.417	0.00	0.07	0.531	O	|	|	|	|	1.10	64.583	0.00	0.06	0.505	O	|	|	|	|	1.05
59.500	0.00	0.07	0.531	O	|	|	|	|	1.10	64.667	0.00	0.06	0.504	O	|	|	|	|	1.05
59.583	0.00	0.07	0.530	O	|	|	|	|	1.10	64.750	0.00	0.06	0.504	O	|	|	|	|	1.05
59.667	0.00	0.07	0.530	O	|	|	|	|	1.09	64.833	0.00	0.06	0.503	O	|	|	|	|	1.05
59.750	0.00	0.07	0.529	O	|	|	|	|	1.09	64.917	0.00	0.06	0.503	O	|	|	|	|	1.05
59.833	0.00	0.06	0.529	O	|	|	|	|	1.09	65.000	0.00	0.06	0.503	O	|	|	|	|	1.05
59.917	0.00	0.06	0.528	O	|	|	|	|	1.09	65.083	0.00	0.06	0.502	O	|	|	|	|	1.05
60.000	0.00	0.06	0.528	O	|	|	|	|	1.09	65.167	0.00	0.06	0.502	O	|	|	|	|	1.05
60.083	0.00	0.06	0.527	O	|	|	|	|	1.09	65.250	0.00	0.06	0.501	O	|	|	|	|	1.05
60.167	0.00	0.06	0.527	O	|	|	|	|	1.09	65.333	0.00	0.06	0.501	O	|	|	|	|	1.05
60.250	0.00	0.06	0.527	O	|	|	|	|	1.09	65.417	0.00	0.06	0.501	O	|	|	|	|	1.05

65.500	0.00	0.06	0.500	O					1.04	70.667	0.00	0.05	0.477	O					1.01
65.583	0.00	0.06	0.500	O					1.04	70.750	0.00	0.05	0.477	O					1.00
65.667	0.00	0.06	0.499	O					1.04	70.833	0.00	0.05	0.477	O					1.00
65.750	0.00	0.06	0.499	O					1.04	70.917	0.00	0.05	0.476	O					1.00
65.833	0.00	0.06	0.499	O					1.04	71.000	0.00	0.05	0.476	O					1.00
65.917	0.00	0.06	0.498	O					1.04	71.083	0.00	0.05	0.475	O					1.00
66.000	0.00	0.06	0.498	O					1.04	71.167	0.00	0.05	0.475	O					1.00
66.083	0.00	0.06	0.498	O					1.04	71.250	0.00	0.05	0.475	O					1.00
66.167	0.00	0.06	0.497	O					1.04	71.333	0.00	0.05	0.474	O					1.00
66.250	0.00	0.06	0.497	O					1.04	71.417	0.00	0.05	0.474	O					1.00
66.333	0.00	0.06	0.496	O					1.04	71.500	0.00	0.05	0.474	O					1.00
66.417	0.00	0.06	0.496	O					1.04	71.583	0.00	0.05	0.473	O					1.00
66.500	0.00	0.06	0.496	O					1.04	71.667	0.00	0.05	0.473	O					1.00
66.583	0.00	0.06	0.495	O					1.04	71.750	0.00	0.05	0.473	O					1.00
66.667	0.00	0.06	0.495	O					1.04	71.833	0.00	0.05	0.472	O					1.00
66.750	0.00	0.06	0.494	O					1.03	71.917	0.00	0.05	0.472	O					1.00
66.833	0.00	0.06	0.494	O					1.03	72.000	0.00	0.05	0.472	O					1.00
66.917	0.00	0.06	0.494	O					1.03	72.083	0.00	0.05	0.471	O					0.99
67.000	0.00	0.06	0.493	O					1.03	72.167	0.00	0.05	0.471	O					0.99
67.083	0.00	0.06	0.493	O					1.03	72.250	0.00	0.05	0.471	O					0.99
67.167	0.00	0.06	0.493	O					1.03	72.333	0.00	0.05	0.470	O					0.99
67.250	0.00	0.05	0.492	O					1.03	72.417	0.00	0.05	0.470	O					0.99
67.333	0.00	0.05	0.492	O					1.03	72.500	0.00	0.05	0.470	O					0.99
67.417	0.00	0.05	0.491	O					1.03	72.583	0.00	0.05	0.469	O					0.99
67.500	0.00	0.05	0.491	O					1.03	72.667	0.00	0.05	0.469	O					0.99
67.583	0.00	0.05	0.491	O					1.03	72.750	0.00	0.05	0.469	O					0.99
67.667	0.00	0.05	0.490	O					1.03	72.833	0.00	0.05	0.468	O					0.99
67.750	0.00	0.05	0.490	O					1.03	72.917	0.00	0.05	0.468	O					0.99
67.833	0.00	0.05	0.490	O					1.03	73.000	0.00	0.05	0.468	O					0.99
67.917	0.00	0.05	0.489	O					1.03	73.083	0.00	0.05	0.467	O					0.99
68.000	0.00	0.05	0.489	O					1.03	73.167	0.00	0.05	0.467	O					0.99
68.083	0.00	0.05	0.488	O					1.02	73.250	0.00	0.05	0.467	O					0.98
68.167	0.00	0.05	0.488	O					1.02	73.333	0.00	0.05	0.466	O					0.98
68.250	0.00	0.05	0.488	O					1.02	73.417	0.00	0.05	0.466	O					0.98
68.333	0.00	0.05	0.487	O					1.02	73.500	0.00	0.05	0.466	O					0.98
68.417	0.00	0.05	0.487	O					1.02	73.583	0.00	0.05	0.465	O					0.98
68.500	0.00	0.05	0.487	O					1.02	73.667	0.00	0.05	0.465	O					0.98
68.583	0.00	0.05	0.486	O					1.02	73.750	0.00	0.05	0.465	O					0.98
68.667	0.00	0.05	0.486	O					1.02	73.833	0.00	0.05	0.464	O					0.98
68.750	0.00	0.05	0.485	O					1.02	73.917	0.00	0.05	0.464	O					0.98
68.833	0.00	0.05	0.485	O					1.02	74.000	0.00	0.05	0.464	O					0.98
68.917	0.00	0.05	0.485	O					1.02	74.083	0.00	0.05	0.463	O					0.98
69.000	0.00	0.05	0.484	O					1.02	74.167	0.00	0.05	0.463	O					0.98
69.083	0.00	0.05	0.484	O					1.02	74.250	0.00	0.05	0.463	O					0.98
69.167	0.00	0.05	0.484	O					1.02	74.333	0.00	0.05	0.462	O					0.98
69.250	0.00	0.05	0.483	O					1.02	74.417	0.00	0.05	0.462	O					0.97
69.333	0.00	0.05	0.483	O					1.02	74.500	0.00	0.05	0.462	O					0.97
69.417	0.00	0.05	0.483	O					1.01	74.583	0.00	0.05	0.461	O					0.97
69.500	0.00	0.05	0.482	O					1.01	74.667	0.00	0.05	0.461	O					0.97
69.583	0.00	0.05	0.482	O					1.01	74.750	0.00	0.05	0.461	O					0.97
69.667	0.00	0.05	0.481	O					1.01	74.833	0.00	0.05	0.460	O					0.97
69.750	0.00	0.05	0.481	O					1.01	74.917	0.00	0.05	0.460	O					0.97
69.833	0.00	0.05	0.481	O					1.01	75.000	0.00	0.05	0.460	O					0.97
69.917	0.00	0.05	0.480	O					1.01	75.083	0.00	0.05	0.459	O					0.97
70.000	0.00	0.05	0.480	O					1.01	75.167	0.00	0.05	0.459	O					0.97
70.083	0.00	0.05	0.480	O					1.01	75.250	0.00	0.05	0.459	O					0.97
70.167	0.00	0.05	0.479	O					1.01	75.333	0.00	0.05	0.458	O					0.97
70.250	0.00	0.05	0.479	O					1.01	75.417	0.00	0.05	0.458	O					0.97
70.333	0.00	0.05	0.479	O					1.01	75.500	0.00	0.05	0.458	O					0.97
70.417	0.00	0.05	0.478	O					1.01	75.583	0.00	0.05	0.457	O					0.96
70.500	0.00	0.05	0.478	O					1.01	75.667	0.00	0.05	0.457	O					0.96
70.583	0.00	0.05	0.478	O					1.01	75.750	0.00	0.05	0.457	O					0.96

75.833	0.00	0.05	0.456	O	|	|	|	|	0.96	81.000	0.00	0.05	0.436	O	|	|	|	|	0.92
75.917	0.00	0.05	0.456	O	|	|	|	|	0.96	81.083	0.00	0.05	0.436	O	|	|	|	|	0.92
76.000	0.00	0.05	0.456	O	|	|	|	|	0.96	81.167	0.00	0.05	0.435	O	|	|	|	|	0.92
76.083	0.00	0.05	0.455	O	|	|	|	|	0.96	81.250	0.00	0.05	0.435	O	|	|	|	|	0.92
76.167	0.00	0.05	0.455	O	|	|	|	|	0.96	81.333	0.00	0.05	0.435	O	|	|	|	|	0.92
76.250	0.00	0.05	0.455	O	|	|	|	|	0.96	81.417	0.00	0.05	0.435	O	|	|	|	|	0.92
76.333	0.00	0.05	0.454	O	|	|	|	|	0.96	81.500	0.00	0.05	0.434	O	|	|	|	|	0.92
76.417	0.00	0.05	0.454	O	|	|	|	|	0.96	81.583	0.00	0.05	0.434	O	|	|	|	|	0.92
76.500	0.00	0.05	0.454	O	|	|	|	|	0.96	81.667	0.00	0.05	0.434	O	|	|	|	|	0.91
76.583	0.00	0.05	0.453	O	|	|	|	|	0.96	81.750	0.00	0.05	0.433	O	|	|	|	|	0.91
76.667	0.00	0.05	0.453	O	|	|	|	|	0.96	81.833	0.00	0.05	0.433	O	|	|	|	|	0.91
76.750	0.00	0.05	0.453	O	|	|	|	|	0.95	81.917	0.00	0.05	0.433	O	|	|	|	|	0.91
76.833	0.00	0.05	0.452	O	|	|	|	|	0.95	82.000	0.00	0.05	0.432	O	|	|	|	|	0.91
76.917	0.00	0.05	0.452	O	|	|	|	|	0.95	82.083	0.00	0.05	0.432	O	|	|	|	|	0.91
77.000	0.00	0.05	0.452	O	|	|	|	|	0.95	82.167	0.00	0.05	0.432	O	|	|	|	|	0.91
77.083	0.00	0.05	0.451	O	|	|	|	|	0.95	82.250	0.00	0.05	0.431	O	|	|	|	|	0.91
77.167	0.00	0.05	0.451	O	|	|	|	|	0.95	82.333	0.00	0.05	0.431	O	|	|	|	|	0.91
77.250	0.00	0.05	0.451	O	|	|	|	|	0.95	82.417	0.00	0.05	0.431	O	|	|	|	|	0.91
77.333	0.00	0.05	0.450	O	|	|	|	|	0.95	82.500	0.00	0.05	0.430	O	|	|	|	|	0.91
77.417	0.00	0.05	0.450	O	|	|	|	|	0.95	82.583	0.00	0.05	0.430	O	|	|	|	|	0.91
77.500	0.00	0.05	0.450	O	|	|	|	|	0.95	82.667	0.00	0.05	0.430	O	|	|	|	|	0.91
77.583	0.00	0.05	0.449	O	|	|	|	|	0.95	82.750	0.00	0.05	0.430	O	|	|	|	|	0.91
77.667	0.00	0.05	0.449	O	|	|	|	|	0.95	82.833	0.00	0.05	0.429	O	|	|	|	|	0.91
77.750	0.00	0.05	0.449	O	|	|	|	|	0.95	82.917	0.00	0.05	0.429	O	|	|	|	|	0.90
77.833	0.00	0.05	0.448	O	|	|	|	|	0.95	83.000	0.00	0.05	0.429	O	|	|	|	|	0.90
77.917	0.00	0.05	0.448	O	|	|	|	|	0.95	83.083	0.00	0.05	0.428	O	|	|	|	|	0.90
78.000	0.00	0.05	0.448	O	|	|	|	|	0.94	83.167	0.00	0.05	0.428	O	|	|	|	|	0.90
78.083	0.00	0.05	0.447	O	|	|	|	|	0.94	83.250	0.00	0.05	0.428	O	|	|	|	|	0.90
78.167	0.00	0.05	0.447	O	|	|	|	|	0.94	83.333	0.00	0.05	0.427	O	|	|	|	|	0.90
78.250	0.00	0.05	0.447	O	|	|	|	|	0.94	83.417	0.00	0.05	0.427	O	|	|	|	|	0.90
78.333	0.00	0.05	0.446	O	|	|	|	|	0.94	83.500	0.00	0.05	0.427	O	|	|	|	|	0.90
78.417	0.00	0.05	0.446	O	|	|	|	|	0.94	83.583	0.00	0.04	0.426	O	|	|	|	|	0.90
78.500	0.00	0.05	0.446	O	|	|	|	|	0.94	83.667	0.00	0.04	0.426	O	|	|	|	|	0.90
78.583	0.00	0.05	0.445	O	|	|	|	|	0.94	83.750	0.00	0.04	0.426	O	|	|	|	|	0.90
78.667	0.00	0.05	0.445	O	|	|	|	|	0.94	83.833	0.00	0.04	0.425	O	|	|	|	|	0.90
78.750	0.00	0.05	0.445	O	|	|	|	|	0.94	83.917	0.00	0.04	0.425	O	|	|	|	|	0.90
78.833	0.00	0.05	0.444	O	|	|	|	|	0.94	84.000	0.00	0.04	0.425	O	|	|	|	|	0.90
78.917	0.00	0.05	0.444	O	|	|	|	|	0.94	84.083	0.00	0.04	0.425	O	|	|	|	|	0.90
79.000	0.00	0.05	0.444	O	|	|	|	|	0.94	84.167	0.00	0.04	0.424	O	|	|	|	|	0.90
79.083	0.00	0.05	0.443	O	|	|	|	|	0.94	84.250	0.00	0.04	0.424	O	|	|	|	|	0.89
79.167	0.00	0.05	0.443	O	|	|	|	|	0.93	84.333	0.00	0.04	0.424	O	|	|	|	|	0.89
79.250	0.00	0.05	0.443	O	|	|	|	|	0.93	84.417	0.00	0.04	0.423	O	|	|	|	|	0.89
79.333	0.00	0.05	0.442	O	|	|	|	|	0.93	84.500	0.00	0.04	0.423	O	|	|	|	|	0.89
79.417	0.00	0.05	0.442	O	|	|	|	|	0.93	84.583	0.00	0.04	0.423	O	|	|	|	|	0.89
79.500	0.00	0.05	0.442	O	|	|	|	|	0.93	84.667	0.00	0.04	0.422	O	|	|	|	|	0.89
79.583	0.00	0.05	0.442	O	|	|	|	|	0.93	84.750	0.00	0.04	0.422	O	|	|	|	|	0.89
79.667	0.00	0.05	0.441	O	|	|	|	|	0.93	84.833	0.00	0.04	0.422	O	|	|	|	|	0.89
79.750	0.00	0.05	0.441	O	|	|	|	|	0.93	84.917	0.00	0.04	0.421	O	|	|	|	|	0.89
79.833	0.00	0.05	0.441	O	|	|	|	|	0.93	85.000	0.00	0.04	0.421	O	|	|	|	|	0.89
79.917	0.00	0.05	0.440	O	|	|	|	|	0.93	85.083	0.00	0.04	0.421	O	|	|	|	|	0.89
80.000	0.00	0.05	0.440	O	|	|	|	|	0.93	85.167	0.00	0.04	0.421	O	|	|	|	|	0.89
80.083	0.00	0.05	0.440	O	|	|	|	|	0.93	85.250	0.00	0.04	0.420	O	|	|	|	|	0.89
80.167	0.00	0.05	0.439	O	|	|	|	|	0.93	85.333	0.00	0.04	0.420	O	|	|	|	|	0.89
80.250	0.00	0.05	0.439	O	|	|	|	|	0.93	85.417	0.00	0.04	0.420	O	|	|	|	|	0.89
80.333	0.00	0.05	0.439	O	|	|	|	|	0.93	85.500	0.00	0.04	0.419	O	|	|	|	|	0.88
80.417	0.00	0.05	0.438	O	|	|	|	|	0.92	85.583	0.00	0.04	0.419	O	|	|	|	|	0.88
80.500	0.00	0.05	0.438	O	|	|	|	|	0.92	85.667	0.00	0.04	0.419	O	|	|	|	|	0.88
80.583	0.00	0.05	0.438	O	|	|	|	|	0.92	85.750	0.00	0.04	0.418	O	|	|	|	|	0.88
80.667	0.00	0.05	0.437	O	|	|	|	|	0.92	85.833	0.00	0.04	0.418	O	|	|	|	|	0.88
80.750	0.00	0.05	0.437	O	|	|	|	|	0.92	85.917	0.00	0.04	0.418	O	|	|	|	|	0.88
80.833	0.00	0.05	0.437	O	|	|	|	|	0.92	86.000	0.00	0.04	0.418	O	|	|	|	|	0.88
80.917	0.00	0.05	0.436	O	|	|	|	|	0.92	86.083	0.00	0.04	0.417	O	|	|	|	|	0.88

86.167	0.00	0.04	0.417	O					0.88	91.333	0.00	0.04	0.399	O					0.84
86.250	0.00	0.04	0.417	O					0.88	91.417	0.00	0.04	0.398	O					0.84
86.333	0.00	0.04	0.416	O					0.88	91.500	0.00	0.04	0.398	O					0.84
86.417	0.00	0.04	0.416	O					0.88	91.583	0.00	0.04	0.398	O					0.84
86.500	0.00	0.04	0.416	O					0.88	91.667	0.00	0.04	0.397	O					0.84
86.583	0.00	0.04	0.415	O					0.88	91.750	0.00	0.04	0.397	O					0.84
86.667	0.00	0.04	0.415	O					0.88	91.833	0.00	0.04	0.397	O					0.84
86.750	0.00	0.04	0.415	O					0.88	91.917	0.00	0.04	0.397	O					0.84
86.833	0.00	0.04	0.414	O					0.87	92.000	0.00	0.04	0.396	O					0.84
86.917	0.00	0.04	0.414	O					0.87	92.083	0.00	0.04	0.396	O					0.84
87.000	0.00	0.04	0.414	O					0.87	92.167	0.00	0.04	0.396	O					0.83
87.083	0.00	0.04	0.414	O					0.87	92.250	0.00	0.04	0.395	O					0.83
87.167	0.00	0.04	0.413	O					0.87	92.333	0.00	0.04	0.395	O					0.83
87.250	0.00	0.04	0.413	O					0.87	92.417	0.00	0.04	0.395	O					0.83
87.333	0.00	0.04	0.413	O					0.87	92.500	0.00	0.04	0.395	O					0.83
87.417	0.00	0.04	0.412	O					0.87	92.583	0.00	0.04	0.394	O					0.83
87.500	0.00	0.04	0.412	O					0.87	92.667	0.00	0.04	0.394	O					0.83
87.583	0.00	0.04	0.412	O					0.87	92.750	0.00	0.04	0.394	O					0.83
87.667	0.00	0.04	0.411	O					0.87	92.833	0.00	0.04	0.393	O					0.83
87.750	0.00	0.04	0.411	O					0.87	92.917	0.00	0.04	0.393	O					0.83
87.833	0.00	0.04	0.411	O					0.87	93.000	0.00	0.04	0.393	O					0.83
87.917	0.00	0.04	0.411	O					0.87	93.083	0.00	0.04	0.393	O					0.83
88.000	0.00	0.04	0.410	O					0.87	93.167	0.00	0.04	0.392	O					0.83
88.083	0.00	0.04	0.410	O					0.86	93.250	0.00	0.04	0.392	O					0.83
88.167	0.00	0.04	0.410	O					0.86	93.333	0.00	0.04	0.392	O					0.83
88.250	0.00	0.04	0.409	O					0.86	93.417	0.00	0.04	0.391	O					0.83
88.333	0.00	0.04	0.409	O					0.86	93.500	0.00	0.04	0.391	O					0.83
88.417	0.00	0.04	0.409	O					0.86	93.583	0.00	0.04	0.391	O					0.82
88.500	0.00	0.04	0.409	O					0.86	93.667	0.00	0.04	0.391	O					0.82
88.583	0.00	0.04	0.408	O					0.86	93.750	0.00	0.04	0.390	O					0.82
88.667	0.00	0.04	0.408	O					0.86	93.833	0.00	0.04	0.390	O					0.82
88.750	0.00	0.04	0.408	O					0.86	93.917	0.00	0.04	0.390	O					0.82
88.833	0.00	0.04	0.407	O					0.86	94.000	0.00	0.04	0.389	O					0.82
88.917	0.00	0.04	0.407	O					0.86	94.083	0.00	0.04	0.389	O					0.82
89.000	0.00	0.04	0.407	O					0.86	94.167	0.00	0.04	0.389	O					0.82
89.083	0.00	0.04	0.406	O					0.86	94.250	0.00	0.04	0.389	O					0.82
89.167	0.00	0.04	0.406	O					0.86	94.333	0.00	0.04	0.388	O					0.82
89.250	0.00	0.04	0.406	O					0.86	94.417	0.00	0.04	0.388	O					0.82
89.333	0.00	0.04	0.406	O					0.86	94.500	0.00	0.04	0.388	O					0.82
89.417	0.00	0.04	0.405	O					0.85	94.583	0.00	0.04	0.387	O					0.82
89.500	0.00	0.04	0.405	O					0.85	94.667	0.00	0.04	0.387	O					0.82
89.583	0.00	0.04	0.405	O					0.85	94.750	0.00	0.04	0.387	O					0.82
89.667	0.00	0.04	0.404	O					0.85	94.833	0.00	0.04	0.387	O					0.82
89.750	0.00	0.04	0.404	O					0.85	94.917	0.00	0.04	0.386	O					0.81
89.833	0.00	0.04	0.404	O					0.85	95.000	0.00	0.04	0.386	O					0.81
89.917	0.00	0.04	0.403	O					0.85	95.083	0.00	0.04	0.386	O					0.81
90.000	0.00	0.04	0.403	O					0.85	95.167	0.00	0.04	0.385	O					0.81
90.083	0.00	0.04	0.403	O					0.85	95.250	0.00	0.04	0.385	O					0.81
90.167	0.00	0.04	0.403	O					0.85	95.333	0.00	0.04	0.385	O					0.81
90.250	0.00	0.04	0.402	O					0.85	95.417	0.00	0.04	0.385	O					0.81
90.333	0.00	0.04	0.402	O					0.85	95.500	0.00	0.04	0.384	O					0.81
90.417	0.00	0.04	0.402	O					0.85	95.583	0.00	0.04	0.384	O					0.81
90.500	0.00	0.04	0.401	O					0.85	95.667	0.00	0.04	0.384	O					0.81
90.583	0.00	0.04	0.401	O					0.85	95.750	0.00	0.04	0.383	O					0.81
90.667	0.00	0.04	0.401	O					0.85	95.833	0.00	0.04	0.383	O					0.81
90.750	0.00	0.04	0.401	O					0.85	95.917	0.00	0.04	0.383	O					0.81
90.833	0.00	0.04	0.400	O					0.84	96.000	0.00	0.04	0.383	O					0.81
90.917	0.00	0.04	0.400	O					0.84	96.083	0.00	0.04	0.382	O					0.81
91.000	0.00	0.04	0.400	O					0.84	96.167	0.00	0.04	0.382	O					0.81
91.083	0.00	0.04	0.399	O					0.84	96.250	0.00	0.04	0.382	O					0.81
91.167	0.00	0.04	0.399	O					0.84	96.333	0.00	0.04	0.382	O					0.80
91.250	0.00	0.04	0.399	O					0.84	96.417	0.00	0.04	0.381	O					0.80

96.500	0.00	0.04	0.381	O					0.80	101.667	0.00	0.04	0.364	O					0.77
96.583	0.00	0.04	0.381	O					0.80	101.750	0.00	0.04	0.364	O					0.77
96.667	0.00	0.04	0.380	O					0.80	101.833	0.00	0.04	0.364	O					0.77
96.750	0.00	0.04	0.380	O					0.80	101.917	0.00	0.04	0.363	O					0.77
96.833	0.00	0.04	0.380	O					0.80	102.000	0.00	0.04	0.363	O					0.77
96.917	0.00	0.04	0.380	O					0.80	102.083	0.00	0.04	0.363	O					0.77
97.000	0.00	0.04	0.379	O					0.80	102.167	0.00	0.04	0.363	O					0.77
97.083	0.00	0.04	0.379	O					0.80	102.250	0.00	0.04	0.362	O					0.76
97.167	0.00	0.04	0.379	O					0.80	102.333	0.00	0.04	0.362	O					0.76
97.250	0.00	0.04	0.379	O					0.80	102.417	0.00	0.04	0.362	O					0.76
97.333	0.00	0.04	0.378	O					0.80	102.500	0.00	0.04	0.362	O					0.76
97.417	0.00	0.04	0.378	O					0.80	102.583	0.00	0.04	0.361	O					0.76
97.500	0.00	0.04	0.378	O					0.80	102.667	0.00	0.04	0.361	O					0.76
97.583	0.00	0.04	0.377	O					0.80	102.750	0.00	0.04	0.361	O					0.76
97.667	0.00	0.04	0.377	O					0.80	102.833	0.00	0.04	0.361	O					0.76
97.750	0.00	0.04	0.377	O					0.80	102.917	0.00	0.04	0.360	O					0.76
97.833	0.00	0.04	0.377	O					0.79	103.000	0.00	0.04	0.360	O					0.76
97.917	0.00	0.04	0.376	O					0.79	103.083	0.00	0.04	0.360	O					0.76
98.000	0.00	0.04	0.376	O					0.79	103.167	0.00	0.04	0.359	O					0.76
98.083	0.00	0.04	0.376	O					0.79	103.250	0.00	0.04	0.359	O					0.76
98.167	0.00	0.04	0.375	O					0.79	103.333	0.00	0.04	0.359	O					0.76
98.250	0.00	0.04	0.375	O					0.79	103.417	0.00	0.04	0.359	O					0.76
98.333	0.00	0.04	0.375	O					0.79	103.500	0.00	0.04	0.358	O					0.76
98.417	0.00	0.04	0.375	O					0.79	103.583	0.00	0.04	0.358	O					0.76
98.500	0.00	0.04	0.374	O					0.79	103.667	0.00	0.04	0.358	O					0.76
98.583	0.00	0.04	0.374	O					0.79	103.750	0.00	0.04	0.358	O					0.75
98.667	0.00	0.04	0.374	O					0.79	103.833	0.00	0.04	0.357	O					0.75
98.750	0.00	0.04	0.374	O					0.79	103.917	0.00	0.04	0.357	O					0.75
98.833	0.00	0.04	0.373	O					0.79	104.000	0.00	0.04	0.357	O					0.75
98.917	0.00	0.04	0.373	O					0.79	104.083	0.00	0.04	0.357	O					0.75
99.000	0.00	0.04	0.373	O					0.79	104.167	0.00	0.04	0.356	O					0.75
99.083	0.00	0.04	0.373	O					0.79	104.250	0.00	0.04	0.356	O					0.75
99.167	0.00	0.04	0.372	O					0.79	104.333	0.00	0.04	0.356	O					0.75
99.250	0.00	0.04	0.372	O					0.78	104.417	0.00	0.04	0.356	O					0.75
99.333	0.00	0.04	0.372	O					0.78	104.500	0.00	0.04	0.355	O					0.75
99.417	0.00	0.04	0.371	O					0.78	104.583	0.00	0.04	0.355	O					0.75
99.500	0.00	0.04	0.371	O					0.78	104.667	0.00	0.04	0.355	O					0.75
99.583	0.00	0.04	0.371	O					0.78	104.750	0.00	0.04	0.355	O					0.75
99.667	0.00	0.04	0.371	O					0.78	104.833	0.00	0.04	0.354	O					0.75
99.750	0.00	0.04	0.370	O					0.78	104.917	0.00	0.04	0.354	O					0.75
99.833	0.00	0.04	0.370	O					0.78	105.000	0.00	0.04	0.354	O					0.75
99.917	0.00	0.04	0.370	O					0.78	105.083	0.00	0.04	0.354	O					0.75
100.000	0.00	0.04	0.370	O					0.78	105.167	0.00	0.04	0.353	O					0.75
100.083	0.00	0.04	0.369	O					0.78	105.250	0.00	0.04	0.353	O					0.74
100.167	0.00	0.04	0.369	O					0.78	105.333	0.00	0.04	0.353	O					0.74
100.250	0.00	0.04	0.369	O					0.78	105.417	0.00	0.04	0.352	O					0.74
100.333	0.00	0.04	0.368	O					0.78	105.500	0.00	0.04	0.352	O					0.74
100.417	0.00	0.04	0.368	O					0.78	105.583	0.00	0.04	0.352	O					0.74
100.500	0.00	0.04	0.368	O					0.78	105.667	0.00	0.04	0.352	O					0.74
100.583	0.00	0.04	0.368	O					0.78	105.750	0.00	0.04	0.351	O					0.74
100.667	0.00	0.04	0.367	O					0.78	105.833	0.00	0.04	0.351	O					0.74
100.750	0.00	0.04	0.367	O					0.77	105.917	0.00	0.04	0.351	O					0.74
100.833	0.00	0.04	0.367	O					0.77	106.000	0.00	0.04	0.351	O					0.74
100.917	0.00	0.04	0.367	O					0.77	106.083	0.00	0.04	0.350	O					0.74
101.000	0.00	0.04	0.366	O					0.77	106.167	0.00	0.04	0.350	O					0.74
101.083	0.00	0.04	0.366	O					0.77	106.250	0.00	0.04	0.350	O					0.74
101.167	0.00	0.04	0.366	O					0.77	106.333	0.00	0.04	0.350	O					0.74
101.250	0.00	0.04	0.366	O					0.77	106.417	0.00	0.04	0.349	O					0.74
101.333	0.00	0.04	0.365	O					0.77	106.500	0.00	0.04	0.349	O					0.74
101.417	0.00	0.04	0.365	O					0.77	106.583	0.00	0.04	0.349	O					0.74
101.500	0.00	0.04	0.365	O					0.77	106.667	0.00	0.04	0.349	O					0.74
101.583	0.00	0.04	0.364	O					0.77	106.750	0.00	0.04	0.348	O					0.74

106.833	0.00	0.04	0.348	O	|	|	|	|	0.73	112.000	0.00	0.04	0.333	O	|	|	|	|	0.70
106.917	0.00	0.04	0.348	O	|	|	|	|	0.73	112.083	0.00	0.04	0.333	O	|	|	|	|	0.70
107.000	0.00	0.04	0.348	O	|	|	|	|	0.73	112.167	0.00	0.04	0.332	O	|	|	|	|	0.70
107.083	0.00	0.04	0.347	O	|	|	|	|	0.73	112.250	0.00	0.04	0.332	O	|	|	|	|	0.70
107.167	0.00	0.04	0.347	O	|	|	|	|	0.73	112.333	0.00	0.04	0.332	O	|	|	|	|	0.70
107.250	0.00	0.04	0.347	O	|	|	|	|	0.73	112.417	0.00	0.03	0.332	O	|	|	|	|	0.70
107.333	0.00	0.04	0.347	O	|	|	|	|	0.73	112.500	0.00	0.03	0.331	O	|	|	|	|	0.70
107.417	0.00	0.04	0.346	O	|	|	|	|	0.73	112.583	0.00	0.03	0.331	O	|	|	|	|	0.70
107.500	0.00	0.04	0.346	O	|	|	|	|	0.73	112.667	0.00	0.03	0.331	O	|	|	|	|	0.70
107.583	0.00	0.04	0.346	O	|	|	|	|	0.73	112.750	0.00	0.03	0.331	O	|	|	|	|	0.70
107.667	0.00	0.04	0.346	O	|	|	|	|	0.73	112.833	0.00	0.03	0.330	O	|	|	|	|	0.70
107.750	0.00	0.04	0.345	O	|	|	|	|	0.73	112.917	0.00	0.03	0.330	O	|	|	|	|	0.70
107.833	0.00	0.04	0.345	O	|	|	|	|	0.73	113.000	0.00	0.03	0.330	O	|	|	|	|	0.70
107.917	0.00	0.04	0.345	O	|	|	|	|	0.73	113.083	0.00	0.03	0.330	O	|	|	|	|	0.70
108.000	0.00	0.04	0.345	O	|	|	|	|	0.73	113.167	0.00	0.03	0.329	O	|	|	|	|	0.70
108.083	0.00	0.04	0.344	O	|	|	|	|	0.73	113.250	0.00	0.03	0.329	O	|	|	|	|	0.69
108.167	0.00	0.04	0.344	O	|	|	|	|	0.73	113.333	0.00	0.03	0.329	O	|	|	|	|	0.69
108.250	0.00	0.04	0.344	O	|	|	|	|	0.73	113.417	0.00	0.03	0.329	O	|	|	|	|	0.69
108.333	0.00	0.04	0.344	O	|	|	|	|	0.72	113.500	0.00	0.03	0.329	O	|	|	|	|	0.69
108.417	0.00	0.04	0.343	O	|	|	|	|	0.72	113.583	0.00	0.03	0.328	O	|	|	|	|	0.69
108.500	0.00	0.04	0.343	O	|	|	|	|	0.72	113.667	0.00	0.03	0.328	O	|	|	|	|	0.69
108.583	0.00	0.04	0.343	O	|	|	|	|	0.72	113.750	0.00	0.03	0.328	O	|	|	|	|	0.69
108.667	0.00	0.04	0.343	O	|	|	|	|	0.72	113.833	0.00	0.03	0.328	O	|	|	|	|	0.69
108.750	0.00	0.04	0.342	O	|	|	|	|	0.72	113.917	0.00	0.03	0.327	O	|	|	|	|	0.69
108.833	0.00	0.04	0.342	O	|	|	|	|	0.72	114.000	0.00	0.03	0.327	O	|	|	|	|	0.69
108.917	0.00	0.04	0.342	O	|	|	|	|	0.72	114.083	0.00	0.03	0.327	O	|	|	|	|	0.69
109.000	0.00	0.04	0.342	O	|	|	|	|	0.72	114.167	0.00	0.03	0.327	O	|	|	|	|	0.69
109.083	0.00	0.04	0.341	O	|	|	|	|	0.72	114.250	0.00	0.03	0.326	O	|	|	|	|	0.69
109.167	0.00	0.04	0.341	O	|	|	|	|	0.72	114.333	0.00	0.03	0.326	O	|	|	|	|	0.69
109.250	0.00	0.04	0.341	O	|	|	|	|	0.72	114.417	0.00	0.03	0.326	O	|	|	|	|	0.69
109.333	0.00	0.04	0.341	O	|	|	|	|	0.72	114.500	0.00	0.03	0.326	O	|	|	|	|	0.69
109.417	0.00	0.04	0.340	O	|	|	|	|	0.72	114.583	0.00	0.03	0.325	O	|	|	|	|	0.69
109.500	0.00	0.04	0.340	O	|	|	|	|	0.72	114.667	0.00	0.03	0.325	O	|	|	|	|	0.69
109.583	0.00	0.04	0.340	O	|	|	|	|	0.72	114.750	0.00	0.03	0.325	O	|	|	|	|	0.69
109.667	0.00	0.04	0.340	O	|	|	|	|	0.72	114.833	0.00	0.03	0.325	O	|	|	|	|	0.69
109.750	0.00	0.04	0.339	O	|	|	|	|	0.72	114.917	0.00	0.03	0.324	O	|	|	|	|	0.68
109.833	0.00	0.04	0.339	O	|	|	|	|	0.72	115.000	0.00	0.03	0.324	O	|	|	|	|	0.68
109.917	0.00	0.04	0.339	O	|	|	|	|	0.72	115.083	0.00	0.03	0.324	O	|	|	|	|	0.68
110.000	0.00	0.04	0.339	O	|	|	|	|	0.71	115.167	0.00	0.03	0.324	O	|	|	|	|	0.68
110.083	0.00	0.04	0.338	O	|	|	|	|	0.71	115.250	0.00	0.03	0.324	O	|	|	|	|	0.68
110.167	0.00	0.04	0.338	O	|	|	|	|	0.71	115.333	0.00	0.03	0.323	O	|	|	|	|	0.68
110.250	0.00	0.04	0.338	O	|	|	|	|	0.71	115.417	0.00	0.03	0.323	O	|	|	|	|	0.68
110.333	0.00	0.04	0.338	O	|	|	|	|	0.71	115.500	0.00	0.03	0.323	O	|	|	|	|	0.68
110.417	0.00	0.04	0.337	O	|	|	|	|	0.71	115.583	0.00	0.03	0.323	O	|	|	|	|	0.68
110.500	0.00	0.04	0.337	O	|	|	|	|	0.71	115.667	0.00	0.03	0.322	O	|	|	|	|	0.68
110.583	0.00	0.04	0.337	O	|	|	|	|	0.71	115.750	0.00	0.03	0.322	O	|	|	|	|	0.68
110.667	0.00	0.04	0.337	O	|	|	|	|	0.71	115.833	0.00	0.03	0.322	O	|	|	|	|	0.68
110.750	0.00	0.04	0.336	O	|	|	|	|	0.71	115.917	0.00	0.03	0.322	O	|	|	|	|	0.68
110.833	0.00	0.04	0.336	O	|	|	|	|	0.71	116.000	0.00	0.03	0.321	O	|	|	|	|	0.68
110.917	0.00	0.04	0.336	O	|	|	|	|	0.71	116.083	0.00	0.03	0.321	O	|	|	|	|	0.68
111.000	0.00	0.04	0.336	O	|	|	|	|	0.71	116.167	0.00	0.03	0.321	O	|	|	|	|	0.68
111.083	0.00	0.04	0.336	O	|	|	|	|	0.71	116.250	0.00	0.03	0.321	O	|	|	|	|	0.68
111.167	0.00	0.04	0.335	O	|	|	|	|	0.71	116.333	0.00	0.03	0.320	O	|	|	|	|	0.68
111.250	0.00	0.04	0.335	O	|	|	|	|	0.71	116.417	0.00	0.03	0.320	O	|	|	|	|	0.68
111.333	0.00	0.04	0.335	O	|	|	|	|	0.71	116.500	0.00	0.03	0.320	O	|	|	|	|	0.68
111.417	0.00	0.04	0.335	O	|	|	|	|	0.71	116.583	0.00	0.03	0.320	O	|	|	|	|	0.67
111.500	0.00	0.04	0.334	O	|	|	|	|	0.71	116.667	0.00	0.03	0.320	O	|	|	|	|	0.67
111.583	0.00	0.04	0.334	O	|	|	|	|	0.70	116.750	0.00	0.03	0.319	O	|	|	|	|	0.67
111.667	0.00	0.04	0.334	O	|	|	|	|	0.70	116.833	0.00	0.03	0.319	O	|	|	|	|	0.67
111.750	0.00	0.04	0.334	O	|	|	|	|	0.70	116.917	0.00	0.03	0.319	O	|	|	|	|	0.67
111.833	0.00	0.04	0.333	O	|	|	|	|	0.70	117.000	0.00	0.03	0.319	O	|	|	|	|	0.67
111.917	0.00	0.04	0.333	O	|	|	|	|	0.70	117.083	0.00	0.03	0.318	O	|	|	|	|	0.67

117.167	0.00	0.03	0.318	O					0.67	122.333	0.00	0.03	0.304	O					0.64
117.250	0.00	0.03	0.318	O					0.67	122.417	0.00	0.03	0.304	O					0.64
117.333	0.00	0.03	0.318	O					0.67	122.500	0.00	0.03	0.304	O					0.64
117.417	0.00	0.03	0.317	O					0.67	122.583	0.00	0.03	0.304	O					0.64
117.500	0.00	0.03	0.317	O					0.67	122.667	0.00	0.03	0.303	O					0.64
117.583	0.00	0.03	0.317	O					0.67	122.750	0.00	0.03	0.303	O					0.64
117.667	0.00	0.03	0.317	O					0.67	122.833	0.00	0.03	0.303	O					0.64
117.750	0.00	0.03	0.317	O					0.67	122.917	0.00	0.03	0.303	O					0.64
117.833	0.00	0.03	0.316	O					0.67	123.000	0.00	0.03	0.302	O					0.64
117.917	0.00	0.03	0.316	O					0.67	123.083	0.00	0.03	0.302	O					0.64
118.000	0.00	0.03	0.316	O					0.67	123.167	0.00	0.03	0.302	O					0.64
118.083	0.00	0.03	0.316	O					0.67	123.250	0.00	0.03	0.302	O					0.64
118.167	0.00	0.03	0.315	O					0.67	123.333	0.00	0.03	0.302	O					0.64
118.250	0.00	0.03	0.315	O					0.66	123.417	0.00	0.03	0.301	O					0.64
118.333	0.00	0.03	0.315	O					0.66	123.500	0.00	0.03	0.301	O					0.64
118.417	0.00	0.03	0.315	O					0.66	123.583	0.00	0.03	0.301	O					0.63
118.500	0.00	0.03	0.315	O					0.66	123.667	0.00	0.03	0.301	O					0.63
118.583	0.00	0.03	0.314	O					0.66	123.750	0.00	0.03	0.300	O					0.63
118.667	0.00	0.03	0.314	O					0.66	123.833	0.00	0.03	0.300	O					0.63
118.750	0.00	0.03	0.314	O					0.66	123.917	0.00	0.03	0.300	O					0.63
118.833	0.00	0.03	0.314	O					0.66	124.000	0.00	0.03	0.300	O					0.63
118.917	0.00	0.03	0.313	O					0.66	124.083	0.00	0.03	0.300	O					0.63
119.000	0.00	0.03	0.313	O					0.66	124.167	0.00	0.03	0.299	O					0.63
119.083	0.00	0.03	0.313	O					0.66	124.250	0.00	0.03	0.299	O					0.63
119.167	0.00	0.03	0.313	O					0.66	124.333	0.00	0.03	0.299	O					0.63
119.250	0.00	0.03	0.312	O					0.66	124.417	0.00	0.03	0.299	O					0.63
119.333	0.00	0.03	0.312	O					0.66	124.500	0.00	0.03	0.298	O					0.63
119.417	0.00	0.03	0.312	O					0.66	124.583	0.00	0.03	0.298	O					0.63
119.500	0.00	0.03	0.312	O					0.66	124.667	0.00	0.03	0.298	O					0.63
119.583	0.00	0.03	0.312	O					0.66	124.750	0.00	0.03	0.298	O					0.63
119.667	0.00	0.03	0.311	O					0.66	124.833	0.00	0.03	0.298	O					0.63
119.750	0.00	0.03	0.311	O					0.66	124.917	0.00	0.03	0.297	O					0.63
119.833	0.00	0.03	0.311	O					0.66	125.000	0.00	0.03	0.297	O					0.63
119.917	0.00	0.03	0.311	O					0.66	125.083	0.00	0.03	0.297	O					0.63
120.000	0.00	0.03	0.310	O					0.65	125.167	0.00	0.03	0.297	O					0.63
120.083	0.00	0.03	0.310	O					0.65	125.250	0.00	0.03	0.297	O					0.63
120.167	0.00	0.03	0.310	O					0.65	125.333	0.00	0.03	0.296	O					0.63
120.250	0.00	0.03	0.310	O					0.65	125.417	0.00	0.03	0.296	O					0.62
120.333	0.00	0.03	0.310	O					0.65	125.500	0.00	0.03	0.296	O					0.62
120.417	0.00	0.03	0.309	O					0.65	125.583	0.00	0.03	0.296	O					0.62
120.500	0.00	0.03	0.309	O					0.65	125.667	0.00	0.03	0.295	O					0.62
120.583	0.00	0.03	0.309	O					0.65	125.750	0.00	0.03	0.295	O					0.62
120.667	0.00	0.03	0.309	O					0.65	125.833	0.00	0.03	0.295	O					0.62
120.750	0.00	0.03	0.308	O					0.65	125.917	0.00	0.03	0.295	O					0.62
120.833	0.00	0.03	0.308	O					0.65	126.000	0.00	0.03	0.295	O					0.62
120.917	0.00	0.03	0.308	O					0.65	126.083	0.00	0.03	0.294	O					0.62
121.000	0.00	0.03	0.308	O					0.65	126.167	0.00	0.03	0.294	O					0.62
121.083	0.00	0.03	0.307	O					0.65	126.250	0.00	0.03	0.294	O					0.62
121.167	0.00	0.03	0.307	O					0.65	126.333	0.00	0.03	0.294	O					0.62
121.250	0.00	0.03	0.307	O					0.65	126.417	0.00	0.03	0.294	O					0.62
121.333	0.00	0.03	0.307	O					0.65	126.500	0.00	0.03	0.293	O					0.62
121.417	0.00	0.03	0.307	O					0.65	126.583	0.00	0.03	0.293	O					0.62
121.500	0.00	0.03	0.306	O					0.65	126.667	0.00	0.03	0.293	O					0.62
121.583	0.00	0.03	0.306	O					0.65	126.750	0.00	0.03	0.293	O					0.62
121.667	0.00	0.03	0.306	O					0.65	126.833	0.00	0.03	0.292	O					0.62
121.750	0.00	0.03	0.306	O					0.64	126.917	0.00	0.03	0.292	O					0.62
121.833	0.00	0.03	0.305	O					0.64	127.000	0.00	0.03	0.292	O					0.62
121.917	0.00	0.03	0.305	O					0.64	127.083	0.00	0.03	0.292	O					0.62
122.000	0.00	0.03	0.305	O					0.64	127.167	0.00	0.03	0.292	O					0.62
122.083	0.00	0.03	0.305	O					0.64	127.250	0.00	0.03	0.291	O					0.61
122.167	0.00	0.03	0.305	O					0.64	127.333	0.00	0.03	0.291	O					0.61
122.250	0.00	0.03	0.304	O					0.64	127.417	0.00	0.03	0.291	O					0.61

127.500	0.00	0.03	0.291	O					0.61	132.667	0.00	0.03	0.278	O					0.59
127.583	0.00	0.03	0.291	O					0.61	132.750	0.00	0.03	0.278	O					0.59
127.667	0.00	0.03	0.290	O					0.61	132.833	0.00	0.03	0.278	O					0.59
127.750	0.00	0.03	0.290	O					0.61	132.917	0.00	0.03	0.277	O					0.59
127.833	0.00	0.03	0.290	O					0.61	133.000	0.00	0.03	0.277	O					0.58
127.917	0.00	0.03	0.290	O					0.61	133.083	0.00	0.03	0.277	O					0.58
128.000	0.00	0.03	0.290	O					0.61	133.167	0.00	0.03	0.277	O					0.58
128.083	0.00	0.03	0.289	O					0.61	133.250	0.00	0.03	0.277	O					0.58
128.167	0.00	0.03	0.289	O					0.61	133.333	0.00	0.03	0.276	O					0.58
128.250	0.00	0.03	0.289	O					0.61	133.417	0.00	0.03	0.276	O					0.58
128.333	0.00	0.03	0.289	O					0.61	133.500	0.00	0.03	0.276	O					0.58
128.417	0.00	0.03	0.288	O					0.61	133.583	0.00	0.03	0.276	O					0.58
128.500	0.00	0.03	0.288	O					0.61	133.667	0.00	0.03	0.276	O					0.58
128.583	0.00	0.03	0.288	O					0.61	133.750	0.00	0.03	0.275	O					0.58
128.667	0.00	0.03	0.288	O					0.61	133.833	0.00	0.03	0.275	O					0.58
128.750	0.00	0.03	0.288	O					0.61	133.917	0.00	0.03	0.275	O					0.58
128.833	0.00	0.03	0.287	O					0.61	134.000	0.00	0.03	0.275	O					0.58
128.917	0.00	0.03	0.287	O					0.61	134.083	0.00	0.03	0.275	O					0.58
129.000	0.00	0.03	0.287	O					0.61	134.167	0.00	0.03	0.274	O					0.58
129.083	0.00	0.03	0.287	O					0.61	134.250	0.00	0.03	0.274	O					0.58
129.167	0.00	0.03	0.287	O					0.60	134.333	0.00	0.03	0.274	O					0.58
129.250	0.00	0.03	0.286	O					0.60	134.417	0.00	0.03	0.274	O					0.58
129.333	0.00	0.03	0.286	O					0.60	134.500	0.00	0.03	0.274	O					0.58
129.417	0.00	0.03	0.286	O					0.60	134.583	0.00	0.03	0.273	O					0.58
129.500	0.00	0.03	0.286	O					0.60	134.667	0.00	0.03	0.273	O					0.58
129.583	0.00	0.03	0.286	O					0.60	134.750	0.00	0.03	0.273	O					0.58
129.667	0.00	0.03	0.285	O					0.60	134.833	0.00	0.03	0.273	O					0.58
129.750	0.00	0.03	0.285	O					0.60	134.917	0.00	0.03	0.273	O					0.58
129.833	0.00	0.03	0.285	O					0.60	135.000	0.00	0.03	0.272	O					0.57
129.917	0.00	0.03	0.285	O					0.60	135.083	0.00	0.03	0.272	O					0.57
130.000	0.00	0.03	0.285	O					0.60	135.167	0.00	0.03	0.272	O					0.57
130.083	0.00	0.03	0.284	O					0.60	135.250	0.00	0.03	0.272	O					0.57
130.167	0.00	0.03	0.284	O					0.60	135.333	0.00	0.03	0.272	O					0.57
130.250	0.00	0.03	0.284	O					0.60	135.417	0.00	0.03	0.271	O					0.57
130.333	0.00	0.03	0.284	O					0.60	135.500	0.00	0.03	0.271	O					0.57
130.417	0.00	0.03	0.283	O					0.60	135.583	0.00	0.03	0.271	O					0.57
130.500	0.00	0.03	0.283	O					0.60	135.667	0.00	0.03	0.271	O					0.57
130.583	0.00	0.03	0.283	O					0.60	135.750	0.00	0.03	0.271	O					0.57
130.667	0.00	0.03	0.283	O					0.60	135.833	0.00	0.03	0.270	O					0.57
130.750	0.00	0.03	0.283	O					0.60	135.917	0.00	0.03	0.270	O					0.57
130.833	0.00	0.03	0.282	O					0.60	136.000	0.00	0.03	0.270	O					0.57
130.917	0.00	0.03	0.282	O					0.60	136.083	0.00	0.03	0.270	O					0.57
131.000	0.00	0.03	0.282	O					0.60	136.167	0.00	0.03	0.270	O					0.57
131.083	0.00	0.03	0.282	O					0.59	136.250	0.00	0.03	0.269	O					0.57
131.167	0.00	0.03	0.282	O					0.59	136.333	0.00	0.03	0.269	O					0.57
131.250	0.00	0.03	0.281	O					0.59	136.417	0.00	0.03	0.269	O					0.57
131.333	0.00	0.03	0.281	O					0.59	136.500	0.00	0.03	0.269	O					0.57
131.417	0.00	0.03	0.281	O					0.59	136.583	0.00	0.03	0.269	O					0.57
131.500	0.00	0.03	0.281	O					0.59	136.667	0.00	0.03	0.268	O					0.57
131.583	0.00	0.03	0.281	O					0.59	136.750	0.00	0.03	0.268	O					0.57
131.667	0.00	0.03	0.280	O					0.59	136.833	0.00	0.03	0.268	O					0.57
131.750	0.00	0.03	0.280	O					0.59	136.917	0.00	0.03	0.268	O					0.57
131.833	0.00	0.03	0.280	O					0.59	137.000	0.00	0.03	0.268	O					0.56
131.917	0.00	0.03	0.280	O					0.59	137.083	0.00	0.03	0.267	O					0.56
132.000	0.00	0.03	0.280	O					0.59	137.167	0.00	0.03	0.267	O					0.56
132.083	0.00	0.03	0.279	O					0.59	137.250	0.00	0.03	0.267	O					0.56
132.167	0.00	0.03	0.279	O					0.59	137.333	0.00	0.03	0.267	O					0.56
132.250	0.00	0.03	0.279	O					0.59	137.417	0.00	0.03	0.267	O					0.56
132.333	0.00	0.03	0.279	O					0.59	137.500	0.00	0.03	0.266	O					0.56
132.417	0.00	0.03	0.279	O					0.59	137.583	0.00	0.03	0.266	O					0.56
132.500	0.00	0.03	0.278	O					0.59	137.667	0.00	0.03	0.266	O					0.56
132.583	0.00	0.03	0.278	O					0.59	137.750	0.00	0.03	0.266	O					0.56

137.833	0.00	0.03	0.266	O	|	|	|	|	0.56	143.000	0.00	0.03	0.254	O	|	|	|	|	0.54
137.917	0.00	0.03	0.266	O	|	|	|	|	0.56	143.083	0.00	0.03	0.254	O	|	|	|	|	0.54
138.000	0.00	0.03	0.265	O	|	|	|	|	0.56	143.167	0.00	0.03	0.254	O	|	|	|	|	0.54
138.083	0.00	0.03	0.265	O	|	|	|	|	0.56	143.250	0.00	0.03	0.253	O	|	|	|	|	0.53
138.167	0.00	0.03	0.265	O	|	|	|	|	0.56	143.333	0.00	0.03	0.253	O	|	|	|	|	0.53
138.250	0.00	0.03	0.265	O	|	|	|	|	0.56	143.417	0.00	0.03	0.253	O	|	|	|	|	0.53
138.333	0.00	0.03	0.265	O	|	|	|	|	0.56	143.500	0.00	0.03	0.253	O	|	|	|	|	0.53
138.417	0.00	0.03	0.264	O	|	|	|	|	0.56	143.583	0.00	0.03	0.253	O	|	|	|	|	0.53
138.500	0.00	0.03	0.264	O	|	|	|	|	0.56	143.667	0.00	0.03	0.253	O	|	|	|	|	0.53
138.583	0.00	0.03	0.264	O	|	|	|	|	0.56	143.750	0.00	0.03	0.252	O	|	|	|	|	0.53
138.667	0.00	0.03	0.264	O	|	|	|	|	0.56	143.833	0.00	0.03	0.252	O	|	|	|	|	0.53
138.750	0.00	0.03	0.264	O	|	|	|	|	0.56	143.917	0.00	0.03	0.252	O	|	|	|	|	0.53
138.833	0.00	0.03	0.263	O	|	|	|	|	0.56	144.000	0.00	0.03	0.252	O	|	|	|	|	0.53
138.917	0.00	0.03	0.263	O	|	|	|	|	0.56	144.083	0.00	0.03	0.252	O	|	|	|	|	0.53
139.000	0.00	0.03	0.263	O	|	|	|	|	0.55	144.167	0.00	0.03	0.251	O	|	|	|	|	0.53
139.083	0.00	0.03	0.263	O	|	|	|	|	0.55	144.250	0.00	0.03	0.251	O	|	|	|	|	0.53
139.167	0.00	0.03	0.263	O	|	|	|	|	0.55	144.333	0.00	0.03	0.251	O	|	|	|	|	0.53
139.250	0.00	0.03	0.262	O	|	|	|	|	0.55	144.417	0.00	0.03	0.251	O	|	|	|	|	0.53
139.333	0.00	0.03	0.262	O	|	|	|	|	0.55	144.500	0.00	0.03	0.251	O	|	|	|	|	0.53
139.417	0.00	0.03	0.262	O	|	|	|	|	0.55	144.583	0.00	0.03	0.251	O	|	|	|	|	0.53
139.500	0.00	0.03	0.262	O	|	|	|	|	0.55	144.667	0.00	0.03	0.250	O	|	|	|	|	0.53
139.583	0.00	0.03	0.262	O	|	|	|	|	0.55	144.750	0.00	0.03	0.250	O	|	|	|	|	0.53
139.667	0.00	0.03	0.262	O	|	|	|	|	0.55	144.833	0.00	0.03	0.250	O	|	|	|	|	0.53
139.750	0.00	0.03	0.261	O	|	|	|	|	0.55	144.917	0.00	0.03	0.250	O	|	|	|	|	0.53
139.833	0.00	0.03	0.261	O	|	|	|	|	0.55	145.000	0.00	0.03	0.250	O	|	|	|	|	0.53
139.917	0.00	0.03	0.261	O	|	|	|	|	0.55	145.083	0.00	0.03	0.249	O	|	|	|	|	0.53
140.000	0.00	0.03	0.261	O	|	|	|	|	0.55	145.167	0.00	0.03	0.249	O	|	|	|	|	0.53
140.083	0.00	0.03	0.261	O	|	|	|	|	0.55	145.250	0.00	0.03	0.249	O	|	|	|	|	0.53
140.167	0.00	0.03	0.260	O	|	|	|	|	0.55	145.333	0.00	0.03	0.249	O	|	|	|	|	0.53
140.250	0.00	0.03	0.260	O	|	|	|	|	0.55	145.417	0.00	0.03	0.249	O	|	|	|	|	0.52
140.333	0.00	0.03	0.260	O	|	|	|	|	0.55	145.500	0.00	0.03	0.249	O	|	|	|	|	0.52
140.417	0.00	0.03	0.260	O	|	|	|	|	0.55	145.583	0.00	0.03	0.248	O	|	|	|	|	0.52
140.500	0.00	0.03	0.260	O	|	|	|	|	0.55	145.667	0.00	0.03	0.248	O	|	|	|	|	0.52
140.583	0.00	0.03	0.259	O	|	|	|	|	0.55	145.750	0.00	0.03	0.248	O	|	|	|	|	0.52
140.667	0.00	0.03	0.259	O	|	|	|	|	0.55	145.833	0.00	0.03	0.248	O	|	|	|	|	0.52
140.750	0.00	0.03	0.259	O	|	|	|	|	0.55	145.917	0.00	0.03	0.248	O	|	|	|	|	0.52
140.833	0.00	0.03	0.259	O	|	|	|	|	0.55	146.000	0.00	0.03	0.247	O	|	|	|	|	0.52
140.917	0.00	0.03	0.259	O	|	|	|	|	0.55	146.083	0.00	0.03	0.247	O	|	|	|	|	0.52
141.000	0.00	0.03	0.258	O	|	|	|	|	0.55	146.167	0.00	0.03	0.247	O	|	|	|	|	0.52
141.083	0.00	0.03	0.258	O	|	|	|	|	0.54	146.250	0.00	0.03	0.247	O	|	|	|	|	0.52
141.167	0.00	0.03	0.258	O	|	|	|	|	0.54	146.333	0.00	0.03	0.247	O	|	|	|	|	0.52
141.250	0.00	0.03	0.258	O	|	|	|	|	0.54	146.417	0.00	0.03	0.247	O	|	|	|	|	0.52
141.333	0.00	0.03	0.258	O	|	|	|	|	0.54	146.500	0.00	0.03	0.246	O	|	|	|	|	0.52
141.417	0.00	0.03	0.258	O	|	|	|	|	0.54	146.583	0.00	0.03	0.246	O	|	|	|	|	0.52
141.500	0.00	0.03	0.257	O	|	|	|	|	0.54	146.667	0.00	0.03	0.246	O	|	|	|	|	0.52
141.583	0.00	0.03	0.257	O	|	|	|	|	0.54	146.750	0.00	0.03	0.246	O	|	|	|	|	0.52
141.667	0.00	0.03	0.257	O	|	|	|	|	0.54	146.833	0.00	0.03	0.246	O	|	|	|	|	0.52
141.750	0.00	0.03	0.257	O	|	|	|	|	0.54	146.917	0.00	0.03	0.245	O	|	|	|	|	0.52
141.833	0.00	0.03	0.257	O	|	|	|	|	0.54	147.000	0.00	0.03	0.245	O	|	|	|	|	0.52
141.917	0.00	0.03	0.256	O	|	|	|	|	0.54	147.083	0.00	0.03	0.245	O	|	|	|	|	0.52
142.000	0.00	0.03	0.256	O	|	|	|	|	0.54	147.167	0.00	0.03	0.245	O	|	|	|	|	0.52
142.083	0.00	0.03	0.256	O	|	|	|	|	0.54	147.250	0.00	0.03	0.245	O	|	|	|	|	0.52
142.167	0.00	0.03	0.256	O	|	|	|	|	0.54	147.333	0.00	0.03	0.245	O	|	|	|	|	0.52
142.250	0.00	0.03	0.256	O	|	|	|	|	0.54	147.417	0.00	0.03	0.244	O	|	|	|	|	0.52
142.333	0.00	0.03	0.255	O	|	|	|	|	0.54	147.500	0.00	0.03	0.244	O	|	|	|	|	0.52
142.417	0.00	0.03	0.255	O	|	|	|	|	0.54	147.583	0.00	0.03	0.244	O	|	|	|	|	0.51
142.500	0.00	0.03	0.255	O	|	|	|	|	0.54	147.667	0.00	0.03	0.244	O	|	|	|	|	0.51
142.583	0.00	0.03	0.255	O	|	|	|	|	0.54	147.750	0.00	0.03	0.244	O	|	|	|	|	0.51
142.667	0.00	0.03	0.255	O	|	|	|	|	0.54	147.833	0.00	0.03	0.244	O	|	|	|	|	0.51
142.750	0.00	0.03	0.255	O	|	|	|	|	0.54	147.917	0.00	0.03	0.243	O	|	|	|	|	0.51
142.833	0.00	0.03	0.254	O	|	|	|	|	0.54	148.000	0.00	0.03	0.243	O	|	|	|	|	0.51
142.917	0.00	0.03	0.254	O	|	|	|	|	0.54	148.083	0.00	0.03	0.243	O	|	|	|	|	0.51

148.167	0.00	0.03	0.243	O	|	|	|	|	0.51	153.333	0.00	0.02	0.232	O	|	|	|	|	0.49
148.250	0.00	0.03	0.243	O	|	|	|	|	0.51	153.417	0.00	0.02	0.232	O	|	|	|	|	0.49
148.333	0.00	0.03	0.242	O	|	|	|	|	0.51	153.500	0.00	0.02	0.232	O	|	|	|	|	0.49
148.417	0.00	0.03	0.242	O	|	|	|	|	0.51	153.583	0.00	0.02	0.232	O	|	|	|	|	0.49
148.500	0.00	0.03	0.242	O	|	|	|	|	0.51	153.667	0.00	0.02	0.231	O	|	|	|	|	0.49
148.583	0.00	0.03	0.242	O	|	|	|	|	0.51	153.750	0.00	0.02	0.231	O	|	|	|	|	0.49
148.667	0.00	0.03	0.242	O	|	|	|	|	0.51	153.833	0.00	0.02	0.231	O	|	|	|	|	0.49
148.750	0.00	0.03	0.242	O	|	|	|	|	0.51	153.917	0.00	0.02	0.231	O	|	|	|	|	0.49
148.833	0.00	0.03	0.241	O	|	|	|	|	0.51	154.000	0.00	0.02	0.231	O	|	|	|	|	0.49
148.917	0.00	0.03	0.241	O	|	|	|	|	0.51	154.083	0.00	0.02	0.231	O	|	|	|	|	0.49
149.000	0.00	0.03	0.241	O	|	|	|	|	0.51	154.167	0.00	0.02	0.230	O	|	|	|	|	0.49
149.083	0.00	0.03	0.241	O	|	|	|	|	0.51	154.250	0.00	0.02	0.230	O	|	|	|	|	0.49
149.167	0.00	0.03	0.241	O	|	|	|	|	0.51	154.333	0.00	0.02	0.230	O	|	|	|	|	0.49
149.250	0.00	0.03	0.241	O	|	|	|	|	0.51	154.417	0.00	0.02	0.230	O	|	|	|	|	0.49
149.333	0.00	0.03	0.240	O	|	|	|	|	0.51	154.500	0.00	0.02	0.230	O	|	|	|	|	0.48
149.417	0.00	0.03	0.240	O	|	|	|	|	0.51	154.583	0.00	0.02	0.230	O	|	|	|	|	0.48
149.500	0.00	0.03	0.240	O	|	|	|	|	0.51	154.667	0.00	0.02	0.229	O	|	|	|	|	0.48
149.583	0.00	0.03	0.240	O	|	|	|	|	0.51	154.750	0.00	0.02	0.229	O	|	|	|	|	0.48
149.667	0.00	0.03	0.240	O	|	|	|	|	0.51	154.833	0.00	0.02	0.229	O	|	|	|	|	0.48
149.750	0.00	0.03	0.240	O	|	|	|	|	0.51	154.917	0.00	0.02	0.229	O	|	|	|	|	0.48
149.833	0.00	0.03	0.239	O	|	|	|	|	0.50	155.000	0.00	0.02	0.229	O	|	|	|	|	0.48
149.917	0.00	0.03	0.239	O	|	|	|	|	0.50	155.083	0.00	0.02	0.229	O	|	|	|	|	0.48
150.000	0.00	0.03	0.239	O	|	|	|	|	0.50	155.167	0.00	0.02	0.228	O	|	|	|	|	0.48
150.083	0.00	0.03	0.239	O	|	|	|	|	0.50	155.250	0.00	0.02	0.228	O	|	|	|	|	0.48
150.167	0.00	0.03	0.239	O	|	|	|	|	0.50	155.333	0.00	0.02	0.228	O	|	|	|	|	0.48
150.250	0.00	0.03	0.238	O	|	|	|	|	0.50	155.417	0.00	0.02	0.228	O	|	|	|	|	0.48
150.333	0.00	0.03	0.238	O	|	|	|	|	0.50	155.500	0.00	0.02	0.228	O	|	|	|	|	0.48
150.417	0.00	0.03	0.238	O	|	|	|	|	0.50	155.583	0.00	0.02	0.228	O	|	|	|	|	0.48
150.500	0.00	0.03	0.238	O	|	|	|	|	0.50	155.667	0.00	0.02	0.227	O	|	|	|	|	0.48
150.583	0.00	0.03	0.238	O	|	|	|	|	0.50	155.750	0.00	0.02	0.227	O	|	|	|	|	0.48
150.667	0.00	0.03	0.238	O	|	|	|	|	0.50	155.833	0.00	0.02	0.227	O	|	|	|	|	0.48
150.750	0.00	0.03	0.237	O	|	|	|	|	0.50	155.917	0.00	0.02	0.227	O	|	|	|	|	0.48
150.833	0.00	0.03	0.237	O	|	|	|	|	0.50	156.000	0.00	0.02	0.227	O	|	|	|	|	0.48
150.917	0.00	0.03	0.237	O	|	|	|	|	0.50	156.083	0.00	0.02	0.227	O	|	|	|	|	0.48
151.000	0.00	0.02	0.237	O	|	|	|	|	0.50	156.167	0.00	0.02	0.226	O	|	|	|	|	0.48
151.083	0.00	0.02	0.237	O	|	|	|	|	0.50	156.250	0.00	0.02	0.226	O	|	|	|	|	0.48
151.167	0.00	0.02	0.237	O	|	|	|	|	0.50	156.333	0.00	0.02	0.226	O	|	|	|	|	0.48
151.250	0.00	0.02	0.236	O	|	|	|	|	0.50	156.417	0.00	0.02	0.226	O	|	|	|	|	0.48
151.333	0.00	0.02	0.236	O	|	|	|	|	0.50	156.500	0.00	0.02	0.226	O	|	|	|	|	0.48
151.417	0.00	0.02	0.236	O	|	|	|	|	0.50	156.583	0.00	0.02	0.226	O	|	|	|	|	0.48
151.500	0.00	0.02	0.236	O	|	|	|	|	0.50	156.667	0.00	0.02	0.225	O	|	|	|	|	0.48
151.583	0.00	0.02	0.236	O	|	|	|	|	0.50	156.750	0.00	0.02	0.225	O	|	|	|	|	0.48
151.667	0.00	0.02	0.236	O	|	|	|	|	0.50	156.833	0.00	0.02	0.225	O	|	|	|	|	0.48
151.750	0.00	0.02	0.235	O	|	|	|	|	0.50	156.917	0.00	0.02	0.225	O	|	|	|	|	0.47
151.833	0.00	0.02	0.235	O	|	|	|	|	0.50	157.000	0.00	0.02	0.225	O	|	|	|	|	0.47
151.917	0.00	0.02	0.235	O	|	|	|	|	0.50	157.083	0.00	0.02	0.225	O	|	|	|	|	0.47
152.000	0.00	0.02	0.235	O	|	|	|	|	0.50	157.167	0.00	0.02	0.225	O	|	|	|	|	0.47
152.083	0.00	0.02	0.235	O	|	|	|	|	0.50	157.250	0.00	0.02	0.224	O	|	|	|	|	0.47
152.167	0.00	0.02	0.235	O	|	|	|	|	0.49	157.333	0.00	0.02	0.224	O	|	|	|	|	0.47
152.250	0.00	0.02	0.234	O	|	|	|	|	0.49	157.417	0.00	0.02	0.224	O	|	|	|	|	0.47
152.333	0.00	0.02	0.234	O	|	|	|	|	0.49	157.500	0.00	0.02	0.224	O	|	|	|	|	0.47
152.417	0.00	0.02	0.234	O	|	|	|	|	0.49	157.583	0.00	0.02	0.224	O	|	|	|	|	0.47
152.500	0.00	0.02	0.234	O	|	|	|	|	0.49	157.667	0.00	0.02	0.224	O	|	|	|	|	0.47
152.583	0.00	0.02	0.234	O	|	|	|	|	0.49	157.750	0.00	0.02	0.223	O	|	|	|	|	0.47
152.667	0.00	0.02	0.233	O	|	|	|	|	0.49	157.833	0.00	0.02	0.223	O	|	|	|	|	0.47
152.750	0.00	0.02	0.233	O	|	|	|	|	0.49	157.917	0.00	0.02	0.223	O	|	|	|	|	0.47
152.833	0.00	0.02	0.233	O	|	|	|	|	0.49	158.000	0.00	0.02	0.223	O	|	|	|	|	0.47
152.917	0.00	0.02	0.233	O	|	|	|	|	0.49	158.083	0.00	0.02	0.223	O	|	|	|	|	0.47
153.000	0.00	0.02	0.233	O	|	|	|	|	0.49	158.167	0.00	0.02	0.223	O	|	|	|	|	0.47
153.083	0.00	0.02	0.233	O	|	|	|	|	0.49	158.250	0.00	0.02	0.222	O	|	|	|	|	0.47
153.167	0.00	0.02	0.232	O	|	|	|	|	0.49	158.333	0.00	0.02	0.222	O	|	|	|	|	0.47
153.250	0.00	0.02	0.232	O	|	|	|	|	0.49	158.417	0.00	0.02	0.222	O	|	|	|	|	0.47

158.500	0.00	0.02	0.222	O	|	|	|	|	0.47	163.667	0.00	0.02	0.212	O	|	|	|	|	0.45
158.583	0.00	0.02	0.222	O	|	|	|	|	0.47	163.750	0.00	0.02	0.212	O	|	|	|	|	0.45
158.667	0.00	0.02	0.222	O	|	|	|	|	0.47	163.833	0.00	0.02	0.212	O	|	|	|	|	0.45
158.750	0.00	0.02	0.221	O	|	|	|	|	0.47	163.917	0.00	0.02	0.212	O	|	|	|	|	0.45
158.833	0.00	0.02	0.221	O	|	|	|	|	0.47	164.000	0.00	0.02	0.212	O	|	|	|	|	0.45
158.917	0.00	0.02	0.221	O	|	|	|	|	0.47	164.083	0.00	0.02	0.211	O	|	|	|	|	0.45
159.000	0.00	0.02	0.221	O	|	|	|	|	0.47	164.167	0.00	0.02	0.211	O	|	|	|	|	0.45
159.083	0.00	0.02	0.221	O	|	|	|	|	0.47	164.250	0.00	0.02	0.211	O	|	|	|	|	0.45
159.167	0.00	0.02	0.221	O	|	|	|	|	0.47	164.333	0.00	0.02	0.211	O	|	|	|	|	0.44
159.250	0.00	0.02	0.220	O	|	|	|	|	0.47	164.417	0.00	0.02	0.211	O	|	|	|	|	0.44
159.333	0.00	0.02	0.220	O	|	|	|	|	0.46	164.500	0.00	0.02	0.211	O	|	|	|	|	0.44
159.417	0.00	0.02	0.220	O	|	|	|	|	0.46	164.583	0.00	0.02	0.210	O	|	|	|	|	0.44
159.500	0.00	0.02	0.220	O	|	|	|	|	0.46	164.667	0.00	0.02	0.210	O	|	|	|	|	0.44
159.583	0.00	0.02	0.220	O	|	|	|	|	0.46	164.750	0.00	0.02	0.210	O	|	|	|	|	0.44
159.667	0.00	0.02	0.220	O	|	|	|	|	0.46	164.833	0.00	0.02	0.210	O	|	|	|	|	0.44
159.750	0.00	0.02	0.220	O	|	|	|	|	0.46	164.917	0.00	0.02	0.210	O	|	|	|	|	0.44
159.833	0.00	0.02	0.219	O	|	|	|	|	0.46	165.000	0.00	0.02	0.210	O	|	|	|	|	0.44
159.917	0.00	0.02	0.219	O	|	|	|	|	0.46	165.083	0.00	0.02	0.210	O	|	|	|	|	0.44
160.000	0.00	0.02	0.219	O	|	|	|	|	0.46	165.167	0.00	0.02	0.209	O	|	|	|	|	0.44
160.083	0.00	0.02	0.219	O	|	|	|	|	0.46	165.250	0.00	0.02	0.209	O	|	|	|	|	0.44
160.167	0.00	0.02	0.219	O	|	|	|	|	0.46	165.333	0.00	0.02	0.209	O	|	|	|	|	0.44
160.250	0.00	0.02	0.219	O	|	|	|	|	0.46	165.417	0.00	0.02	0.209	O	|	|	|	|	0.44
160.333	0.00	0.02	0.218	O	|	|	|	|	0.46	165.500	0.00	0.02	0.209	O	|	|	|	|	0.44
160.417	0.00	0.02	0.218	O	|	|	|	|	0.46	165.583	0.00	0.02	0.209	O	|	|	|	|	0.44
160.500	0.00	0.02	0.218	O	|	|	|	|	0.46	165.667	0.00	0.02	0.208	O	|	|	|	|	0.44
160.583	0.00	0.02	0.218	O	|	|	|	|	0.46	165.750	0.00	0.02	0.208	O	|	|	|	|	0.44
160.667	0.00	0.02	0.218	O	|	|	|	|	0.46	165.833	0.00	0.02	0.208	O	|	|	|	|	0.44
160.750	0.00	0.02	0.218	O	|	|	|	|	0.46	165.917	0.00	0.02	0.208	O	|	|	|	|	0.44
160.833	0.00	0.02	0.217	O	|	|	|	|	0.46	166.000	0.00	0.02	0.208	O	|	|	|	|	0.44
160.917	0.00	0.02	0.217	O	|	|	|	|	0.46	166.083	0.00	0.02	0.208	O	|	|	|	|	0.44
161.000	0.00	0.02	0.217	O	|	|	|	|	0.46	166.167	0.00	0.02	0.208	O	|	|	|	|	0.44
161.083	0.00	0.02	0.217	O	|	|	|	|	0.46	166.250	0.00	0.02	0.207	O	|	|	|	|	0.44
161.167	0.00	0.02	0.217	O	|	|	|	|	0.46	166.333	0.00	0.02	0.207	O	|	|	|	|	0.44
161.250	0.00	0.02	0.217	O	|	|	|	|	0.46	166.417	0.00	0.02	0.207	O	|	|	|	|	0.44
161.333	0.00	0.02	0.216	O	|	|	|	|	0.46	166.500	0.00	0.02	0.207	O	|	|	|	|	0.44
161.417	0.00	0.02	0.216	O	|	|	|	|	0.46	166.583	0.00	0.02	0.207	O	|	|	|	|	0.44
161.500	0.00	0.02	0.216	O	|	|	|	|	0.46	166.667	0.00	0.02	0.207	O	|	|	|	|	0.44
161.583	0.00	0.02	0.216	O	|	|	|	|	0.46	166.750	0.00	0.02	0.207	O	|	|	|	|	0.44
161.667	0.00	0.02	0.216	O	|	|	|	|	0.46	166.833	0.00	0.02	0.206	O	|	|	|	|	0.44
161.750	0.00	0.02	0.216	O	|	|	|	|	0.46	166.917	0.00	0.02	0.206	O	|	|	|	|	0.44
161.833	0.00	0.02	0.216	O	|	|	|	|	0.45	167.000	0.00	0.02	0.206	O	|	|	|	|	0.43
161.917	0.00	0.02	0.215	O	|	|	|	|	0.45	167.083	0.00	0.02	0.206	O	|	|	|	|	0.43
162.000	0.00	0.02	0.215	O	|	|	|	|	0.45	167.167	0.00	0.02	0.206	O	|	|	|	|	0.43
162.083	0.00	0.02	0.215	O	|	|	|	|	0.45	167.250	0.00	0.02	0.206	O	|	|	|	|	0.43
162.167	0.00	0.02	0.215	O	|	|	|	|	0.45	167.333	0.00	0.02	0.205	O	|	|	|	|	0.43
162.250	0.00	0.02	0.215	O	|	|	|	|	0.45	167.417	0.00	0.02	0.205	O	|	|	|	|	0.43
162.333	0.00	0.02	0.215	O	|	|	|	|	0.45	167.500	0.00	0.02	0.205	O	|	|	|	|	0.43
162.417	0.00	0.02	0.214	O	|	|	|	|	0.45	167.583	0.00	0.02	0.205	O	|	|	|	|	0.43
162.500	0.00	0.02	0.214	O	|	|	|	|	0.45	167.667	0.00	0.02	0.205	O	|	|	|	|	0.43
162.583	0.00	0.02	0.214	O	|	|	|	|	0.45	167.750	0.00	0.02	0.205	O	|	|	|	|	0.43
162.667	0.00	0.02	0.214	O	|	|	|	|	0.45	167.833	0.00	0.02	0.205	O	|	|	|	|	0.43
162.750	0.00	0.02	0.214	O	|	|	|	|	0.45	167.917	0.00	0.02	0.204	O	|	|	|	|	0.43
162.833	0.00	0.02	0.214	O	|	|	|	|	0.45	168.000	0.00	0.02	0.204	O	|	|	|	|	0.43
162.917	0.00	0.02	0.214	O	|	|	|	|	0.45	168.083	0.00	0.02	0.204	O	|	|	|	|	0.43
163.000	0.00	0.02	0.213	O	|	|	|	|	0.45	168.167	0.00	0.02	0.204	O	|	|	|	|	0.43
163.083	0.00	0.02	0.213	O	|	|	|	|	0.45	168.250	0.00	0.02	0.204	O	|	|	|	|	0.43
163.167	0.00	0.02	0.213	O	|	|	|	|	0.45	168.333	0.00	0.02	0.204	O	|	|	|	|	0.43
163.250	0.00	0.02	0.213	O	|	|	|	|	0.45	168.417	0.00	0.02	0.204	O	|	|	|	|	0.43
163.333	0.00	0.02	0.213	O	|	|	|	|	0.45	168.500	0.00	0.02	0.203	O	|	|	|	|	0.43
163.417	0.00	0.02	0.213	O	|	|	|	|	0.45	168.583	0.00	0.02	0.203	O	|	|	|	|	0.43
163.500	0.00	0.02	0.212	O	|	|	|	|	0.45	168.667	0.00	0.02	0.203	O	|	|	|	|	0.43
163.583	0.00	0.02	0.212	O	|	|	|	|	0.45	168.750	0.00	0.02	0.203	O	|	|	|	|	0.43

168.833	0.00	0.02	0.203	O	|	|	|	|	0.43	174.000	0.00	0.02	0.194	O	|	|	|	|	0.41
168.917	0.00	0.02	0.203	O	|	|	|	|	0.43	174.083	0.00	0.02	0.194	O	|	|	|	|	0.41
169.000	0.00	0.02	0.202	O	|	|	|	|	0.43	174.167	0.00	0.02	0.194	O	|	|	|	|	0.41
169.083	0.00	0.02	0.202	O	|	|	|	|	0.43	174.250	0.00	0.02	0.193	O	|	|	|	|	0.41
169.167	0.00	0.02	0.202	O	|	|	|	|	0.43	174.333	0.00	0.02	0.193	O	|	|	|	|	0.41
169.250	0.00	0.02	0.202	O	|	|	|	|	0.43	174.417	0.00	0.02	0.193	O	|	|	|	|	0.41
169.333	0.00	0.02	0.202	O	|	|	|	|	0.43	174.500	0.00	0.02	0.193	O	|	|	|	|	0.41
169.417	0.00	0.02	0.202	O	|	|	|	|	0.43	174.583	0.00	0.02	0.193	O	|	|	|	|	0.41
169.500	0.00	0.02	0.202	O	|	|	|	|	0.43	174.667	0.00	0.02	0.193	O	|	|	|	|	0.41
169.583	0.00	0.02	0.201	O	|	|	|	|	0.43	174.750	0.00	0.02	0.193	O	|	|	|	|	0.41
169.667	0.00	0.02	0.201	O	|	|	|	|	0.42	174.833	0.00	0.02	0.192	O	|	|	|	|	0.41
169.750	0.00	0.02	0.201	O	|	|	|	|	0.42	174.917	0.00	0.02	0.192	O	|	|	|	|	0.41
169.833	0.00	0.02	0.201	O	|	|	|	|	0.42	175.000	0.00	0.02	0.192	O	|	|	|	|	0.41
169.917	0.00	0.02	0.201	O	|	|	|	|	0.42	175.083	0.00	0.02	0.192	O	|	|	|	|	0.41
170.000	0.00	0.02	0.201	O	|	|	|	|	0.42	175.167	0.00	0.02	0.192	O	|	|	|	|	0.40
170.083	0.00	0.02	0.201	O	|	|	|	|	0.42	175.250	0.00	0.02	0.192	O	|	|	|	|	0.40
170.167	0.00	0.02	0.200	O	|	|	|	|	0.42	175.333	0.00	0.02	0.192	O	|	|	|	|	0.40
170.250	0.00	0.02	0.200	O	|	|	|	|	0.42	175.417	0.00	0.02	0.191	O	|	|	|	|	0.40
170.333	0.00	0.02	0.200	O	|	|	|	|	0.42	175.500	0.00	0.02	0.191	O	|	|	|	|	0.40
170.417	0.00	0.02	0.200	O	|	|	|	|	0.42	175.583	0.00	0.02	0.191	O	|	|	|	|	0.40
170.500	0.00	0.02	0.200	O	|	|	|	|	0.42	175.667	0.00	0.02	0.191	O	|	|	|	|	0.40
170.583	0.00	0.02	0.200	O	|	|	|	|	0.42	175.750	0.00	0.02	0.191	O	|	|	|	|	0.40
170.667	0.00	0.02	0.200	O	|	|	|	|	0.42	175.833	0.00	0.02	0.191	O	|	|	|	|	0.40
170.750	0.00	0.02	0.199	O	|	|	|	|	0.42	175.917	0.00	0.02	0.191	O	|	|	|	|	0.40
170.833	0.00	0.02	0.199	O	|	|	|	|	0.42	176.000	0.00	0.02	0.191	O	|	|	|	|	0.40
170.917	0.00	0.02	0.199	O	|	|	|	|	0.42	176.083	0.00	0.02	0.190	O	|	|	|	|	0.40
171.000	0.00	0.02	0.199	O	|	|	|	|	0.42	176.167	0.00	0.02	0.190	O	|	|	|	|	0.40
171.083	0.00	0.02	0.199	O	|	|	|	|	0.42	176.250	0.00	0.02	0.190	O	|	|	|	|	0.40
171.167	0.00	0.02	0.199	O	|	|	|	|	0.42	176.333	0.00	0.02	0.190	O	|	|	|	|	0.40
171.250	0.00	0.02	0.199	O	|	|	|	|	0.42	176.417	0.00	0.02	0.190	O	|	|	|	|	0.40
171.333	0.00	0.02	0.198	O	|	|	|	|	0.42	176.500	0.00	0.02	0.190	O	|	|	|	|	0.40
171.417	0.00	0.02	0.198	O	|	|	|	|	0.42	176.583	0.00	0.02	0.190	O	|	|	|	|	0.40
171.500	0.00	0.02	0.198	O	|	|	|	|	0.42	176.667	0.00	0.02	0.189	O	|	|	|	|	0.40
171.583	0.00	0.02	0.198	O	|	|	|	|	0.42	176.750	0.00	0.02	0.189	O	|	|	|	|	0.40
171.667	0.00	0.02	0.198	O	|	|	|	|	0.42	176.833	0.00	0.02	0.189	O	|	|	|	|	0.40
171.750	0.00	0.02	0.198	O	|	|	|	|	0.42	176.917	0.00	0.02	0.189	O	|	|	|	|	0.40
171.833	0.00	0.02	0.198	O	|	|	|	|	0.42	177.000	0.00	0.02	0.189	O	|	|	|	|	0.40
171.917	0.00	0.02	0.197	O	|	|	|	|	0.42	177.083	0.00	0.02	0.189	O	|	|	|	|	0.40
172.000	0.00	0.02	0.197	O	|	|	|	|	0.42	177.167	0.00	0.02	0.189	O	|	|	|	|	0.40
172.083	0.00	0.02	0.197	O	|	|	|	|	0.42	177.250	0.00	0.02	0.188	O	|	|	|	|	0.40
172.167	0.00	0.02	0.197	O	|	|	|	|	0.42	177.333	0.00	0.02	0.188	O	|	|	|	|	0.40
172.250	0.00	0.02	0.197	O	|	|	|	|	0.42	177.417	0.00	0.02	0.188	O	|	|	|	|	0.40
172.333	0.00	0.02	0.197	O	|	|	|	|	0.41	177.500	0.00	0.02	0.188	O	|	|	|	|	0.40
172.417	0.00	0.02	0.197	O	|	|	|	|	0.41	177.583	0.00	0.02	0.188	O	|	|	|	|	0.40
172.500	0.00	0.02	0.196	O	|	|	|	|	0.41	177.667	0.00	0.02	0.188	O	|	|	|	|	0.40
172.583	0.00	0.02	0.196	O	|	|	|	|	0.41	177.750	0.00	0.02	0.188	O	|	|	|	|	0.40
172.667	0.00	0.02	0.196	O	|	|	|	|	0.41	177.833	0.00	0.02	0.187	O	|	|	|	|	0.40
172.750	0.00	0.02	0.196	O	|	|	|	|	0.41	177.917	0.00	0.02	0.187	O	|	|	|	|	0.40
172.833	0.00	0.02	0.196	O	|	|	|	|	0.41	178.000	0.00	0.02	0.187	O	|	|	|	|	0.39
172.917	0.00	0.02	0.196	O	|	|	|	|	0.41	178.083	0.00	0.02	0.187	O	|	|	|	|	0.39
173.000	0.00	0.02	0.196	O	|	|	|	|	0.41	178.167	0.00	0.02	0.187	O	|	|	|	|	0.39
173.083	0.00	0.02	0.195	O	|	|	|	|	0.41	178.250	0.00	0.02	0.187	O	|	|	|	|	0.39
173.167	0.00	0.02	0.195	O	|	|	|	|	0.41	178.333	0.00	0.02	0.187	O	|	|	|	|	0.39
173.250	0.00	0.02	0.195	O	|	|	|	|	0.41	178.417	0.00	0.02	0.187	O	|	|	|	|	0.39
173.333	0.00	0.02	0.195	O	|	|	|	|	0.41	178.500	0.00	0.02	0.186	O	|	|	|	|	0.39
173.417	0.00	0.02	0.195	O	|	|	|	|	0.41	178.583	0.00	0.02	0.186	O	|	|	|	|	0.39
173.500	0.00	0.02	0.195	O	|	|	|	|	0.41	178.667	0.00	0.02	0.186	O	|	|	|	|	0.39
173.583	0.00	0.02	0.195	O	|	|	|	|	0.41	178.750	0.00	0.02	0.186	O	|	|	|	|	0.39
173.667	0.00	0.02	0.194	O	|	|	|	|	0.41	178.833	0.00	0.02	0.186	O	|	|	|	|	0.39
173.750	0.00	0.02	0.194	O	|	|	|	|	0.41	178.917	0.00	0.02	0.186	O	|	|	|	|	0.39
173.833	0.00	0.02	0.194	O	|	|	|	|	0.41	179.000	0.00	0.02	0.186	O	|	|	|	|	0.39
173.917	0.00	0.02	0.194	O	|	|	|	|	0.41	179.083	0.00	0.02	0.185	O	|	|	|	|	0.39

179.167	0.00	0.02	0.185	O					0.39	184.333	0.00	0.02	0.177	O					0.37
179.250	0.00	0.02	0.185	O					0.39	184.417	0.00	0.02	0.177	O					0.37
179.333	0.00	0.02	0.185	O					0.39	184.500	0.00	0.02	0.177	O					0.37
179.417	0.00	0.02	0.185	O					0.39	184.583	0.00	0.02	0.177	O					0.37
179.500	0.00	0.02	0.185	O					0.39	184.667	0.00	0.02	0.177	O					0.37
179.583	0.00	0.02	0.185	O					0.39	184.750	0.00	0.02	0.177	O					0.37
179.667	0.00	0.02	0.185	O					0.39	184.833	0.00	0.02	0.176	O					0.37
179.750	0.00	0.02	0.184	O					0.39	184.917	0.00	0.02	0.176	O					0.37
179.833	0.00	0.02	0.184	O					0.39	185.000	0.00	0.02	0.176	O					0.37
179.917	0.00	0.02	0.184	O					0.39	185.083	0.00	0.02	0.176	O					0.37
180.000	0.00	0.02	0.184	O					0.39	185.167	0.00	0.02	0.176	O					0.37
180.083	0.00	0.02	0.184	O					0.39	185.250	0.00	0.02	0.176	O					0.37
180.167	0.00	0.02	0.184	O					0.39	185.333	0.00	0.02	0.176	O					0.37
180.250	0.00	0.02	0.184	O					0.39	185.417	0.00	0.02	0.175	O					0.37
180.333	0.00	0.02	0.183	O					0.39	185.500	0.00	0.02	0.175	O					0.37
180.417	0.00	0.02	0.183	O					0.39	185.583	0.00	0.02	0.175	O					0.37
180.500	0.00	0.02	0.183	O					0.39	185.667	0.00	0.02	0.175	O					0.37
180.583	0.00	0.02	0.183	O					0.39	185.750	0.00	0.02	0.175	O					0.37
180.667	0.00	0.02	0.183	O					0.39	185.833	0.00	0.02	0.175	O					0.37
180.750	0.00	0.02	0.183	O					0.39	185.917	0.00	0.02	0.175	O					0.37
180.833	0.00	0.02	0.183	O					0.39	186.000	0.00	0.02	0.175	O					0.37
180.917	0.00	0.02	0.183	O					0.39	186.083	0.00	0.02	0.174	O					0.37
181.000	0.00	0.02	0.182	O					0.38	186.167	0.00	0.02	0.174	O					0.37
181.083	0.00	0.02	0.182	O					0.38	186.250	0.00	0.02	0.174	O					0.37
181.167	0.00	0.02	0.182	O					0.38	186.333	0.00	0.02	0.174	O					0.37
181.250	0.00	0.02	0.182	O					0.38	186.417	0.00	0.02	0.174	O					0.37
181.333	0.00	0.02	0.182	O					0.38	186.500	0.00	0.02	0.174	O					0.37
181.417	0.00	0.02	0.182	O					0.38	186.583	0.00	0.02	0.174	O					0.37
181.500	0.00	0.02	0.182	O					0.38	186.667	0.00	0.02	0.174	O					0.37
181.583	0.00	0.02	0.181	O					0.38	186.750	0.00	0.02	0.173	O					0.37
181.667	0.00	0.02	0.181	O					0.38	186.833	0.00	0.02	0.173	O					0.37
181.750	0.00	0.02	0.181	O					0.38	186.917	0.00	0.02	0.173	O					0.37
181.833	0.00	0.02	0.181	O					0.38	187.000	0.00	0.02	0.173	O					0.37
181.917	0.00	0.02	0.181	O					0.38	187.083	0.00	0.02	0.173	O					0.36
182.000	0.00	0.02	0.181	O					0.38	187.167	0.00	0.02	0.173	O					0.36
182.083	0.00	0.02	0.181	O					0.38	187.250	0.00	0.02	0.173	O					0.36
182.167	0.00	0.02	0.181	O					0.38	187.333	0.00	0.02	0.173	O					0.36
182.250	0.00	0.02	0.180	O					0.38	187.417	0.00	0.02	0.172	O					0.36
182.333	0.00	0.02	0.180	O					0.38	187.500	0.00	0.02	0.172	O					0.36
182.417	0.00	0.02	0.180	O					0.38	187.583	0.00	0.02	0.172	O					0.36
182.500	0.00	0.02	0.180	O					0.38	187.667	0.00	0.02	0.172	O					0.36
182.583	0.00	0.02	0.180	O					0.38	187.750	0.00	0.02	0.172	O					0.36
182.667	0.00	0.02	0.180	O					0.38	187.833	0.00	0.02	0.172	O					0.36
182.750	0.00	0.02	0.180	O					0.38	187.917	0.00	0.02	0.172	O					0.36
182.833	0.00	0.02	0.179	O					0.38	188.000	0.00	0.02	0.172	O					0.36
182.917	0.00	0.02	0.179	O					0.38	188.083	0.00	0.02	0.171	O					0.36
183.000	0.00	0.02	0.179	O					0.38	188.167	0.00	0.02	0.171	O					0.36
183.083	0.00	0.02	0.179	O					0.38	188.250	0.00	0.02	0.171	O					0.36
183.167	0.00	0.02	0.179	O					0.38	188.333	0.00	0.02	0.171	O					0.36
183.250	0.00	0.02	0.179	O					0.38	188.417	0.00	0.02	0.171	O					0.36
183.333	0.00	0.02	0.179	O					0.38	188.500	0.00	0.02	0.171	O					0.36
183.417	0.00	0.02	0.179	O					0.38	188.583	0.00	0.02	0.171	O					0.36
183.500	0.00	0.02	0.178	O					0.38	188.667	0.00	0.02	0.171	O					0.36
183.583	0.00	0.02	0.178	O					0.38	188.750	0.00	0.02	0.170	O					0.36
183.667	0.00	0.02	0.178	O					0.38	188.833	0.00	0.02	0.170	O					0.36
183.750	0.00	0.02	0.178	O					0.38	188.917	0.00	0.02	0.170	O					0.36
183.833	0.00	0.02	0.178	O					0.38	189.000	0.00	0.02	0.170	O					0.36
183.917	0.00	0.02	0.178	O					0.38	189.083	0.00	0.02	0.170	O					0.36
184.000	0.00	0.02	0.178	O					0.37	189.167	0.00	0.02	0.170	O					0.36
184.083	0.00	0.02	0.178	O					0.37	189.250	0.00	0.02	0.170	O					0.36
184.167	0.00	0.02	0.177	O					0.37	189.333	0.00	0.02	0.170	O					0.36
184.250	0.00	0.02	0.177	O					0.37	189.417	0.00	0.02	0.169	O					0.36

189.500	0.00	0.02	0.169	O	|	|	|	|	0.36	194.667	0.00	0.02	0.162	O	|	|	|	|	0.34
189.583	0.00	0.02	0.169	O	|	|	|	|	0.36	194.750	0.00	0.02	0.162	O	|	|	|	|	0.34
189.667	0.00	0.02	0.169	O	|	|	|	|	0.36	194.833	0.00	0.02	0.162	O	|	|	|	|	0.34
189.750	0.00	0.02	0.169	O	|	|	|	|	0.36	194.917	0.00	0.02	0.162	O	|	|	|	|	0.34
189.833	0.00	0.02	0.169	O	|	|	|	|	0.36	195.000	0.00	0.02	0.161	O	|	|	|	|	0.34
189.917	0.00	0.02	0.169	O	|	|	|	|	0.36	195.083	0.00	0.02	0.161	O	|	|	|	|	0.34
190.000	0.00	0.02	0.169	O	|	|	|	|	0.36	195.167	0.00	0.02	0.161	O	|	|	|	|	0.34
190.083	0.00	0.02	0.169	O	|	|	|	|	0.36	195.250	0.00	0.02	0.161	O	|	|	|	|	0.34
190.167	0.00	0.02	0.168	O	|	|	|	|	0.36	195.333	0.00	0.02	0.161	O	|	|	|	|	0.34
190.250	0.00	0.02	0.168	O	|	|	|	|	0.35	195.417	0.00	0.02	0.161	O	|	|	|	|	0.34
190.333	0.00	0.02	0.168	O	|	|	|	|	0.35	195.500	0.00	0.02	0.161	O	|	|	|	|	0.34
190.417	0.00	0.02	0.168	O	|	|	|	|	0.35	195.583	0.00	0.02	0.161	O	|	|	|	|	0.34
190.500	0.00	0.02	0.168	O	|	|	|	|	0.35	195.667	0.00	0.02	0.160	O	|	|	|	|	0.34
190.583	0.00	0.02	0.168	O	|	|	|	|	0.35	195.750	0.00	0.02	0.160	O	|	|	|	|	0.34
190.667	0.00	0.02	0.168	O	|	|	|	|	0.35	195.833	0.00	0.02	0.160	O	|	|	|	|	0.34
190.750	0.00	0.02	0.168	O	|	|	|	|	0.35	195.917	0.00	0.02	0.160	O	|	|	|	|	0.34
190.833	0.00	0.02	0.167	O	|	|	|	|	0.35	196.000	0.00	0.02	0.160	O	|	|	|	|	0.34
190.917	0.00	0.02	0.167	O	|	|	|	|	0.35	196.083	0.00	0.02	0.160	O	|	|	|	|	0.34
191.000	0.00	0.02	0.167	O	|	|	|	|	0.35	196.167	0.00	0.02	0.160	O	|	|	|	|	0.34
191.083	0.00	0.02	0.167	O	|	|	|	|	0.35	196.250	0.00	0.02	0.160	O	|	|	|	|	0.34
191.167	0.00	0.02	0.167	O	|	|	|	|	0.35	196.333	0.00	0.02	0.160	O	|	|	|	|	0.34
191.250	0.00	0.02	0.167	O	|	|	|	|	0.35	196.417	0.00	0.02	0.159	O	|	|	|	|	0.34
191.333	0.00	0.02	0.167	O	|	|	|	|	0.35	196.500	0.00	0.02	0.159	O	|	|	|	|	0.34
191.417	0.00	0.02	0.167	O	|	|	|	|	0.35	196.583	0.00	0.02	0.159	O	|	|	|	|	0.34
191.500	0.00	0.02	0.166	O	|	|	|	|	0.35	196.667	0.00	0.02	0.159	O	|	|	|	|	0.34
191.583	0.00	0.02	0.166	O	|	|	|	|	0.35	196.750	0.00	0.02	0.159	O	|	|	|	|	0.34
191.667	0.00	0.02	0.166	O	|	|	|	|	0.35	196.833	0.00	0.02	0.159	O	|	|	|	|	0.34
191.750	0.00	0.02	0.166	O	|	|	|	|	0.35	196.917	0.00	0.02	0.159	O	|	|	|	|	0.33
191.833	0.00	0.02	0.166	O	|	|	|	|	0.35	197.000	0.00	0.02	0.159	O	|	|	|	|	0.33
191.917	0.00	0.02	0.166	O	|	|	|	|	0.35	197.083	0.00	0.02	0.159	O	|	|	|	|	0.33
192.000	0.00	0.02	0.166	O	|	|	|	|	0.35	197.167	0.00	0.02	0.158	O	|	|	|	|	0.33
192.083	0.00	0.02	0.166	O	|	|	|	|	0.35	197.250	0.00	0.02	0.158	O	|	|	|	|	0.33
192.167	0.00	0.02	0.165	O	|	|	|	|	0.35	197.333	0.00	0.02	0.158	O	|	|	|	|	0.33
192.250	0.00	0.02	0.165	O	|	|	|	|	0.35	197.417	0.00	0.02	0.158	O	|	|	|	|	0.33
192.333	0.00	0.02	0.165	O	|	|	|	|	0.35	197.500	0.00	0.02	0.158	O	|	|	|	|	0.33
192.417	0.00	0.02	0.165	O	|	|	|	|	0.35	197.583	0.00	0.02	0.158	O	|	|	|	|	0.33
192.500	0.00	0.02	0.165	O	|	|	|	|	0.35	197.667	0.00	0.02	0.158	O	|	|	|	|	0.33
192.583	0.00	0.02	0.165	O	|	|	|	|	0.35	197.750	0.00	0.02	0.158	O	|	|	|	|	0.33
192.667	0.00	0.02	0.165	O	|	|	|	|	0.35	197.833	0.00	0.02	0.157	O	|	|	|	|	0.33
192.750	0.00	0.02	0.165	O	|	|	|	|	0.35	197.917	0.00	0.02	0.157	O	|	|	|	|	0.33
192.833	0.00	0.02	0.165	O	|	|	|	|	0.35	198.000	0.00	0.02	0.157	O	|	|	|	|	0.33
192.917	0.00	0.02	0.164	O	|	|	|	|	0.35	198.083	0.00	0.02	0.157	O	|	|	|	|	0.33
193.000	0.00	0.02	0.164	O	|	|	|	|	0.35	198.167	0.00	0.02	0.157	O	|	|	|	|	0.33
193.083	0.00	0.02	0.164	O	|	|	|	|	0.35	198.250	0.00	0.02	0.157	O	|	|	|	|	0.33
193.167	0.00	0.02	0.164	O	|	|	|	|	0.35	198.333	0.00	0.02	0.157	O	|	|	|	|	0.33
193.250	0.00	0.02	0.164	O	|	|	|	|	0.35	198.417	0.00	0.02	0.157	O	|	|	|	|	0.33
193.333	0.00	0.02	0.164	O	|	|	|	|	0.35	198.500	0.00	0.02	0.157	O	|	|	|	|	0.33
193.417	0.00	0.02	0.164	O	|	|	|	|	0.35	198.583	0.00	0.02	0.156	O	|	|	|	|	0.33
193.500	0.00	0.02	0.164	O	|	|	|	|	0.35	198.667	0.00	0.02	0.156	O	|	|	|	|	0.33
193.583	0.00	0.02	0.163	O	|	|	|	|	0.34	198.750	0.00	0.02	0.156	O	|	|	|	|	0.33
193.667	0.00	0.02	0.163	O	|	|	|	|	0.34	198.833	0.00	0.02	0.156	O	|	|	|	|	0.33
193.750	0.00	0.02	0.163	O	|	|	|	|	0.34	198.917	0.00	0.02	0.156	O	|	|	|	|	0.33
193.833	0.00	0.02	0.163	O	|	|	|	|	0.34	199.000	0.00	0.02	0.156	O	|	|	|	|	0.33
193.917	0.00	0.02	0.163	O	|	|	|	|	0.34	199.083	0.00	0.02	0.156	O	|	|	|	|	0.33
194.000	0.00	0.02	0.163	O	|	|	|	|	0.34	199.167	0.00	0.02	0.156	O	|	|	|	|	0.33
194.083	0.00	0.02	0.163	O	|	|	|	|	0.34	199.250	0.00	0.02	0.156	O	|	|	|	|	0.33
194.167	0.00	0.02	0.163	O	|	|	|	|	0.34	199.333	0.00	0.02	0.155	O	|	|	|	|	0.33
194.250	0.00	0.02	0.162	O	|	|	|	|	0.34	199.417	0.00	0.02	0.155	O	|	|	|	|	0.33
194.333	0.00	0.02	0.162	O	|	|	|	|	0.34	199.500	0.00	0.02	0.155	O	|	|	|	|	0.33
194.417	0.00	0.02	0.162	O	|	|	|	|	0.34	199.583	0.00	0.02	0.155	O	|	|	|	|	0.33
194.500	0.00	0.02	0.162	O	|	|	|	|	0.34	199.667	0.00	0.02	0.155	O	|	|	|	|	0.33
194.583	0.00	0.02	0.162	O	|	|	|	|	0.34	199.750	0.00	0.02	0.155	O	|	|	|	|	0.33

199.833	0.00	0.02	0.155	O	|	|	|	|	0.33	205.000	0.00	0.02	0.148	O	|	|	|	|	0.31
199.917	0.00	0.02	0.155	O	|	|	|	|	0.33	205.083	0.00	0.02	0.148	O	|	|	|	|	0.31
200.000	0.00	0.02	0.155	O	|	|	|	|	0.33	205.167	0.00	0.02	0.148	O	|	|	|	|	0.31
200.083	0.00	0.02	0.154	O	|	|	|	|	0.33	205.250	0.00	0.02	0.148	O	|	|	|	|	0.31
200.167	0.00	0.02	0.154	O	|	|	|	|	0.33	205.333	0.00	0.02	0.148	O	|	|	|	|	0.31
200.250	0.00	0.02	0.154	O	|	|	|	|	0.33	205.417	0.00	0.02	0.147	O	|	|	|	|	0.31
200.333	0.00	0.02	0.154	O	|	|	|	|	0.33	205.500	0.00	0.02	0.147	O	|	|	|	|	0.31
200.417	0.00	0.02	0.154	O	|	|	|	|	0.32	205.583	0.00	0.02	0.147	O	|	|	|	|	0.31
200.500	0.00	0.02	0.154	O	|	|	|	|	0.32	205.667	0.00	0.02	0.147	O	|	|	|	|	0.31
200.583	0.00	0.02	0.154	O	|	|	|	|	0.32	205.750	0.00	0.02	0.147	O	|	|	|	|	0.31
200.667	0.00	0.02	0.154	O	|	|	|	|	0.32	205.833	0.00	0.02	0.147	O	|	|	|	|	0.31
200.750	0.00	0.02	0.154	O	|	|	|	|	0.32	205.917	0.00	0.02	0.147	O	|	|	|	|	0.31
200.833	0.00	0.02	0.153	O	|	|	|	|	0.32	206.000	0.00	0.02	0.147	O	|	|	|	|	0.31
200.917	0.00	0.02	0.153	O	|	|	|	|	0.32	206.083	0.00	0.02	0.147	O	|	|	|	|	0.31
201.000	0.00	0.02	0.153	O	|	|	|	|	0.32	206.167	0.00	0.02	0.146	O	|	|	|	|	0.31
201.083	0.00	0.02	0.153	O	|	|	|	|	0.32	206.250	0.00	0.02	0.146	O	|	|	|	|	0.31
201.167	0.00	0.02	0.153	O	|	|	|	|	0.32	206.333	0.00	0.02	0.146	O	|	|	|	|	0.31
201.250	0.00	0.02	0.153	O	|	|	|	|	0.32	206.417	0.00	0.02	0.146	O	|	|	|	|	0.31
201.333	0.00	0.02	0.153	O	|	|	|	|	0.32	206.500	0.00	0.02	0.146	O	|	|	|	|	0.31
201.417	0.00	0.02	0.153	O	|	|	|	|	0.32	206.583	0.00	0.02	0.146	O	|	|	|	|	0.31
201.500	0.00	0.02	0.153	O	|	|	|	|	0.32	206.667	0.00	0.02	0.146	O	|	|	|	|	0.31
201.583	0.00	0.02	0.152	O	|	|	|	|	0.32	206.750	0.00	0.02	0.146	O	|	|	|	|	0.31
201.667	0.00	0.02	0.152	O	|	|	|	|	0.32	206.833	0.00	0.02	0.146	O	|	|	|	|	0.31
201.750	0.00	0.02	0.152	O	|	|	|	|	0.32	206.917	0.00	0.02	0.146	O	|	|	|	|	0.31
201.833	0.00	0.02	0.152	O	|	|	|	|	0.32	207.000	0.00	0.02	0.145	O	|	|	|	|	0.31
201.917	0.00	0.02	0.152	O	|	|	|	|	0.32	207.083	0.00	0.02	0.145	O	|	|	|	|	0.31
202.000	0.00	0.02	0.152	O	|	|	|	|	0.32	207.167	0.00	0.02	0.145	O	|	|	|	|	0.31
202.083	0.00	0.02	0.152	O	|	|	|	|	0.32	207.250	0.00	0.02	0.145	O	|	|	|	|	0.31
202.167	0.00	0.02	0.152	O	|	|	|	|	0.32	207.333	0.00	0.02	0.145	O	|	|	|	|	0.31
202.250	0.00	0.02	0.152	O	|	|	|	|	0.32	207.417	0.00	0.02	0.145	O	|	|	|	|	0.31
202.333	0.00	0.02	0.151	O	|	|	|	|	0.32	207.500	0.00	0.02	0.145	O	|	|	|	|	0.31
202.417	0.00	0.02	0.151	O	|	|	|	|	0.32	207.583	0.00	0.02	0.145	O	|	|	|	|	0.31
202.500	0.00	0.02	0.151	O	|	|	|	|	0.32	207.667	0.00	0.02	0.145	O	|	|	|	|	0.30
202.583	0.00	0.02	0.151	O	|	|	|	|	0.32	207.750	0.00	0.02	0.144	O	|	|	|	|	0.30
202.667	0.00	0.02	0.151	O	|	|	|	|	0.32	207.833	0.00	0.02	0.144	O	|	|	|	|	0.30
202.750	0.00	0.02	0.151	O	|	|	|	|	0.32	207.917	0.00	0.02	0.144	O	|	|	|	|	0.30
202.833	0.00	0.02	0.151	O	|	|	|	|	0.32	208.000	0.00	0.02	0.144	O	|	|	|	|	0.30
202.917	0.00	0.02	0.151	O	|	|	|	|	0.32	208.083	0.00	0.02	0.144	O	|	|	|	|	0.30
203.000	0.00	0.02	0.151	O	|	|	|	|	0.32	208.167	0.00	0.02	0.144	O	|	|	|	|	0.30
203.083	0.00	0.02	0.150	O	|	|	|	|	0.32	208.250	0.00	0.02	0.144	O	|	|	|	|	0.30
203.167	0.00	0.02	0.150	O	|	|	|	|	0.32	208.333	0.00	0.02	0.144	O	|	|	|	|	0.30
203.250	0.00	0.02	0.150	O	|	|	|	|	0.32	208.417	0.00	0.02	0.144	O	|	|	|	|	0.30
203.333	0.00	0.02	0.150	O	|	|	|	|	0.32	208.500	0.00	0.02	0.144	O	|	|	|	|	0.30
203.417	0.00	0.02	0.150	O	|	|	|	|	0.32	208.583	0.00	0.02	0.143	O	|	|	|	|	0.30
203.500	0.00	0.02	0.150	O	|	|	|	|	0.32	208.667	0.00	0.02	0.143	O	|	|	|	|	0.30
203.583	0.00	0.02	0.150	O	|	|	|	|	0.32	208.750	0.00	0.02	0.143	O	|	|	|	|	0.30
203.667	0.00	0.02	0.150	O	|	|	|	|	0.32	208.833	0.00	0.02	0.143	O	|	|	|	|	0.30
203.750	0.00	0.02	0.150	O	|	|	|	|	0.32	208.917	0.00	0.02	0.143	O	|	|	|	|	0.30
203.833	0.00	0.02	0.149	O	|	|	|	|	0.32	209.000	0.00	0.02	0.143	O	|	|	|	|	0.30
203.917	0.00	0.02	0.149	O	|	|	|	|	0.32	209.083	0.00	0.02	0.143	O	|	|	|	|	0.30
204.000	0.00	0.02	0.149	O	|	|	|	|	0.31	209.167	0.00	0.02	0.143	O	|	|	|	|	0.30
204.083	0.00	0.02	0.149	O	|	|	|	|	0.31	209.250	0.00	0.02	0.143	O	|	|	|	|	0.30
204.167	0.00	0.02	0.149	O	|	|	|	|	0.31	209.333	0.00	0.02	0.142	O	|	|	|	|	0.30
204.250	0.00	0.02	0.149	O	|	|	|	|	0.31	209.417	0.00	0.02	0.142	O	|	|	|	|	0.30
204.333	0.00	0.02	0.149	O	|	|	|	|	0.31	209.500	0.00	0.02	0.142	O	|	|	|	|	0.30
204.417	0.00	0.02	0.149	O	|	|	|	|	0.31	209.583	0.00	0.01	0.142	O	|	|	|	|	0.30
204.500	0.00	0.02	0.149	O	|	|	|	|	0.31	209.667	0.00	0.01	0.142	O	|	|	|	|	0.30
204.583	0.00	0.02	0.148	O	|	|	|	|	0.31	209.750	0.00	0.01	0.142	O	|	|	|	|	0.30
204.667	0.00	0.02	0.148	O	|	|	|	|	0.31	209.833	0.00	0.01	0.142	O	|	|	|	|	0.30
204.750	0.00	0.02	0.148	O	|	|	|	|	0.31	209.917	0.00	0.01	0.142	O	|	|	|	|	0.30
204.833	0.00	0.02	0.148	O	|	|	|	|	0.31	210.000	0.00	0.01	0.142	O	|	|	|	|	0.30
204.917	0.00	0.02	0.148	O	|	|	|	|	0.31	210.083	0.00	0.01	0.142	O	|	|	|	|	0.30

210.167	0.00	0.01	0.141	O					0.30	215.333	0.00	0.01	0.135	O					0.29
210.250	0.00	0.01	0.141	O					0.30	215.417	0.00	0.01	0.135	O					0.29
210.333	0.00	0.01	0.141	O					0.30	215.500	0.00	0.01	0.135	O					0.28
210.417	0.00	0.01	0.141	O					0.30	215.583	0.00	0.01	0.135	O					0.28
210.500	0.00	0.01	0.141	O					0.30	215.667	0.00	0.01	0.135	O					0.28
210.583	0.00	0.01	0.141	O					0.30	215.750	0.00	0.01	0.135	O					0.28
210.667	0.00	0.01	0.141	O					0.30	215.833	0.00	0.01	0.135	O					0.28
210.750	0.00	0.01	0.141	O					0.30	215.917	0.00	0.01	0.135	O					0.28
210.833	0.00	0.01	0.141	O					0.30	216.000	0.00	0.01	0.134	O					0.28
210.917	0.00	0.01	0.141	O					0.30	216.083	0.00	0.01	0.134	O					0.28
211.000	0.00	0.01	0.140	O					0.30	216.167	0.00	0.01	0.134	O					0.28
211.083	0.00	0.01	0.140	O					0.30	216.250	0.00	0.01	0.134	O					0.28
211.167	0.00	0.01	0.140	O					0.30	216.333	0.00	0.01	0.134	O					0.28
211.250	0.00	0.01	0.140	O					0.30	216.417	0.00	0.01	0.134	O					0.28
211.333	0.00	0.01	0.140	O					0.30	216.500	0.00	0.01	0.134	O					0.28
211.417	0.00	0.01	0.140	O					0.30	216.583	0.00	0.01	0.134	O					0.28
211.500	0.00	0.01	0.140	O					0.29	216.667	0.00	0.01	0.134	O					0.28
211.583	0.00	0.01	0.140	O					0.29	216.750	0.00	0.01	0.134	O					0.28
211.667	0.00	0.01	0.140	O					0.29	216.833	0.00	0.01	0.133	O					0.28
211.750	0.00	0.01	0.139	O					0.29	216.917	0.00	0.01	0.133	O					0.28
211.833	0.00	0.01	0.139	O					0.29	217.000	0.00	0.01	0.133	O					0.28
211.917	0.00	0.01	0.139	O					0.29	217.083	0.00	0.01	0.133	O					0.28
212.000	0.00	0.01	0.139	O					0.29	217.167	0.00	0.01	0.133	O					0.28
212.083	0.00	0.01	0.139	O					0.29	217.250	0.00	0.01	0.133	O					0.28
212.167	0.00	0.01	0.139	O					0.29	217.333	0.00	0.01	0.133	O					0.28
212.250	0.00	0.01	0.139	O					0.29	217.417	0.00	0.01	0.133	O					0.28
212.333	0.00	0.01	0.139	O					0.29	217.500	0.00	0.01	0.133	O					0.28
212.417	0.00	0.01	0.139	O					0.29	217.583	0.00	0.01	0.133	O					0.28
212.500	0.00	0.01	0.139	O					0.29	217.667	0.00	0.01	0.132	O					0.28
212.583	0.00	0.01	0.138	O					0.29	217.750	0.00	0.01	0.132	O					0.28
212.667	0.00	0.01	0.138	O					0.29	217.833	0.00	0.01	0.132	O					0.28
212.750	0.00	0.01	0.138	O					0.29	217.917	0.00	0.01	0.132	O					0.28
212.833	0.00	0.01	0.138	O					0.29	218.000	0.00	0.01	0.132	O					0.28
212.917	0.00	0.01	0.138	O					0.29	218.083	0.00	0.01	0.132	O					0.28
213.000	0.00	0.01	0.138	O					0.29	218.167	0.00	0.01	0.132	O					0.28
213.083	0.00	0.01	0.138	O					0.29	218.250	0.00	0.01	0.132	O					0.28
213.167	0.00	0.01	0.138	O					0.29	218.333	0.00	0.01	0.132	O					0.28
213.250	0.00	0.01	0.138	O					0.29	218.417	0.00	0.01	0.132	O					0.28
213.333	0.00	0.01	0.138	O					0.29	218.500	0.00	0.01	0.132	O					0.28
213.417	0.00	0.01	0.137	O					0.29	218.583	0.00	0.01	0.131	O					0.28
213.500	0.00	0.01	0.137	O					0.29	218.667	0.00	0.01	0.131	O					0.28
213.583	0.00	0.01	0.137	O					0.29	218.750	0.00	0.01	0.131	O					0.28
213.667	0.00	0.01	0.137	O					0.29	218.833	0.00	0.01	0.131	O					0.28
213.750	0.00	0.01	0.137	O					0.29	218.917	0.00	0.01	0.131	O					0.28
213.833	0.00	0.01	0.137	O					0.29	219.000	0.00	0.01	0.131	O					0.28
213.917	0.00	0.01	0.137	O					0.29	219.083	0.00	0.01	0.131	O					0.28
214.000	0.00	0.01	0.137	O					0.29	219.167	0.00	0.01	0.131	O					0.28
214.083	0.00	0.01	0.137	O					0.29	219.250	0.00	0.01	0.131	O					0.28
214.167	0.00	0.01	0.137	O					0.29	219.333	0.00	0.01	0.131	O					0.28
214.250	0.00	0.01	0.136	O					0.29	219.417	0.00	0.01	0.130	O					0.28
214.333	0.00	0.01	0.136	O					0.29	219.500	0.00	0.01	0.130	O					0.28
214.417	0.00	0.01	0.136	O					0.29	219.583	0.00	0.01	0.130	O					0.27
214.500	0.00	0.01	0.136	O					0.29	219.667	0.00	0.01	0.130	O					0.27
214.583	0.00	0.01	0.136	O					0.29	219.750	0.00	0.01	0.130	O					0.27
214.667	0.00	0.01	0.136	O					0.29	219.833	0.00	0.01	0.130	O					0.27
214.750	0.00	0.01	0.136	O					0.29	219.917	0.00	0.01	0.130	O					0.27
214.833	0.00	0.01	0.136	O					0.29	220.000	0.00	0.01	0.130	O					0.27
214.917	0.00	0.01	0.136	O					0.29	220.083	0.00	0.01	0.130	O					0.27
215.000	0.00	0.01	0.136	O					0.29	220.167	0.00	0.01	0.130	O					0.27
215.083	0.00	0.01	0.136	O					0.29	220.250	0.00	0.01	0.130	O					0.27
215.167	0.00	0.01	0.135	O					0.29	220.333	0.00	0.01	0.129	O					0.27
215.250	0.00	0.01	0.135	O					0.29	220.417	0.00	0.01	0.129	O					0.27

220.500	0.00	0.01	0.129	O	|	|	|	|	0.27	225.667	0.00	0.01	0.124	O	|	|	|	|	0.26
220.583	0.00	0.01	0.129	O	|	|	|	|	0.27	225.750	0.00	0.01	0.123	O	|	|	|	|	0.26
220.667	0.00	0.01	0.129	O	|	|	|	|	0.27	225.833	0.00	0.01	0.123	O	|	|	|	|	0.26
220.750	0.00	0.01	0.129	O	|	|	|	|	0.27	225.917	0.00	0.01	0.123	O	|	|	|	|	0.26
220.833	0.00	0.01	0.129	O	|	|	|	|	0.27	226.000	0.00	0.01	0.123	O	|	|	|	|	0.26
220.917	0.00	0.01	0.129	O	|	|	|	|	0.27	226.083	0.00	0.01	0.123	O	|	|	|	|	0.26
221.000	0.00	0.01	0.129	O	|	|	|	|	0.27	226.167	0.00	0.01	0.123	O	|	|	|	|	0.26
221.083	0.00	0.01	0.129	O	|	|	|	|	0.27	226.250	0.00	0.01	0.123	O	|	|	|	|	0.26
221.167	0.00	0.01	0.129	O	|	|	|	|	0.27	226.333	0.00	0.01	0.123	O	|	|	|	|	0.26
221.250	0.00	0.01	0.128	O	|	|	|	|	0.27	226.417	0.00	0.01	0.123	O	|	|	|	|	0.26
221.333	0.00	0.01	0.128	O	|	|	|	|	0.27	226.500	0.00	0.01	0.123	O	|	|	|	|	0.26
221.417	0.00	0.01	0.128	O	|	|	|	|	0.27	226.583	0.00	0.01	0.123	O	|	|	|	|	0.26
221.500	0.00	0.01	0.128	O	|	|	|	|	0.27	226.667	0.00	0.01	0.122	O	|	|	|	|	0.26
221.583	0.00	0.01	0.128	O	|	|	|	|	0.27	226.750	0.00	0.01	0.122	O	|	|	|	|	0.26
221.667	0.00	0.01	0.128	O	|	|	|	|	0.27	226.833	0.00	0.01	0.122	O	|	|	|	|	0.26
221.750	0.00	0.01	0.128	O	|	|	|	|	0.27	226.917	0.00	0.01	0.122	O	|	|	|	|	0.26
221.833	0.00	0.01	0.128	O	|	|	|	|	0.27	227.000	0.00	0.01	0.122	O	|	|	|	|	0.26
221.917	0.00	0.01	0.128	O	|	|	|	|	0.27	227.083	0.00	0.01	0.122	O	|	|	|	|	0.26
222.000	0.00	0.01	0.128	O	|	|	|	|	0.27	227.167	0.00	0.01	0.122	O	|	|	|	|	0.26
222.083	0.00	0.01	0.127	O	|	|	|	|	0.27	227.250	0.00	0.01	0.122	O	|	|	|	|	0.26
222.167	0.00	0.01	0.127	O	|	|	|	|	0.27	227.333	0.00	0.01	0.122	O	|	|	|	|	0.26
222.250	0.00	0.01	0.127	O	|	|	|	|	0.27	227.417	0.00	0.01	0.122	O	|	|	|	|	0.26
222.333	0.00	0.01	0.127	O	|	|	|	|	0.27	227.500	0.00	0.01	0.122	O	|	|	|	|	0.26
222.417	0.00	0.01	0.127	O	|	|	|	|	0.27	227.583	0.00	0.01	0.122	O	|	|	|	|	0.26
222.500	0.00	0.01	0.127	O	|	|	|	|	0.27	227.667	0.00	0.01	0.121	O	|	|	|	|	0.26
222.583	0.00	0.01	0.127	O	|	|	|	|	0.27	227.750	0.00	0.01	0.121	O	|	|	|	|	0.26
222.667	0.00	0.01	0.127	O	|	|	|	|	0.27	227.833	0.00	0.01	0.121	O	|	|	|	|	0.26
222.750	0.00	0.01	0.127	O	|	|	|	|	0.27	227.917	0.00	0.01	0.121	O	|	|	|	|	0.26
222.833	0.00	0.01	0.127	O	|	|	|	|	0.27	228.000	0.00	0.01	0.121	O	|	|	|	|	0.26
222.917	0.00	0.01	0.127	O	|	|	|	|	0.27	228.083	0.00	0.01	0.121	O	|	|	|	|	0.26
223.000	0.00	0.01	0.126	O	|	|	|	|	0.27	228.167	0.00	0.01	0.121	O	|	|	|	|	0.26
223.083	0.00	0.01	0.126	O	|	|	|	|	0.27	228.250	0.00	0.01	0.121	O	|	|	|	|	0.25
223.167	0.00	0.01	0.126	O	|	|	|	|	0.27	228.333	0.00	0.01	0.121	O	|	|	|	|	0.25
223.250	0.00	0.01	0.126	O	|	|	|	|	0.27	228.417	0.00	0.01	0.121	O	|	|	|	|	0.25
223.333	0.00	0.01	0.126	O	|	|	|	|	0.27	228.500	0.00	0.01	0.121	O	|	|	|	|	0.25
223.417	0.00	0.01	0.126	O	|	|	|	|	0.27	228.583	0.00	0.01	0.120	O	|	|	|	|	0.25
223.500	0.00	0.01	0.126	O	|	|	|	|	0.27	228.667	0.00	0.01	0.120	O	|	|	|	|	0.25
223.583	0.00	0.01	0.126	O	|	|	|	|	0.27	228.750	0.00	0.01	0.120	O	|	|	|	|	0.25
223.667	0.00	0.01	0.126	O	|	|	|	|	0.27	228.833	0.00	0.01	0.120	O	|	|	|	|	0.25
223.750	0.00	0.01	0.126	O	|	|	|	|	0.27	228.917	0.00	0.01	0.120	O	|	|	|	|	0.25
223.833	0.00	0.01	0.126	O	|	|	|	|	0.26	229.000	0.00	0.01	0.120	O	|	|	|	|	0.25
223.917	0.00	0.01	0.125	O	|	|	|	|	0.26	229.083	0.00	0.01	0.120	O	|	|	|	|	0.25
224.000	0.00	0.01	0.125	O	|	|	|	|	0.26	229.167	0.00	0.01	0.120	O	|	|	|	|	0.25
224.083	0.00	0.01	0.125	O	|	|	|	|	0.26	229.250	0.00	0.01	0.120	O	|	|	|	|	0.25
224.167	0.00	0.01	0.125	O	|	|	|	|	0.26	229.333	0.00	0.01	0.120	O	|	|	|	|	0.25
224.250	0.00	0.01	0.125	O	|	|	|	|	0.26	229.417	0.00	0.01	0.120	O	|	|	|	|	0.25
224.333	0.00	0.01	0.125	O	|	|	|	|	0.26	229.500	0.00	0.01	0.119	O	|	|	|	|	0.25
224.417	0.00	0.01	0.125	O	|	|	|	|	0.26	229.583	0.00	0.01	0.119	O	|	|	|	|	0.25
224.500	0.00	0.01	0.125	O	|	|	|	|	0.26	229.667	0.00	0.01	0.119	O	|	|	|	|	0.25
224.583	0.00	0.01	0.125	O	|	|	|	|	0.26	229.750	0.00	0.01	0.119	O	|	|	|	|	0.25
224.667	0.00	0.01	0.125	O	|	|	|	|	0.26	229.833	0.00	0.01	0.119	O	|	|	|	|	0.25
224.750	0.00	0.01	0.125	O	|	|	|	|	0.26	229.917	0.00	0.01	0.119	O	|	|	|	|	0.25
224.833	0.00	0.01	0.124	O	|	|	|	|	0.26	230.000	0.00	0.01	0.119	O	|	|	|	|	0.25
224.917	0.00	0.01	0.124	O	|	|	|	|	0.26	230.083	0.00	0.01	0.119	O	|	|	|	|	0.25
225.000	0.00	0.01	0.124	O	|	|	|	|	0.26	230.167	0.00	0.01	0.119	O	|	|	|	|	0.25
225.083	0.00	0.01	0.124	O	|	|	|	|	0.26	230.250	0.00	0.01	0.119	O	|	|	|	|	0.25
225.167	0.00	0.01	0.124	O	|	|	|	|	0.26	230.333	0.00	0.01	0.119	O	|	|	|	|	0.25
225.250	0.00	0.01	0.124	O	|	|	|	|	0.26	230.417	0.00	0.01	0.119	O	|	|	|	|	0.25
225.333	0.00	0.01	0.124	O	|	|	|	|	0.26	230.500	0.00	0.01	0.118	O	|	|	|	|	0.25
225.417	0.00	0.01	0.124	O	|	|	|	|	0.26	230.583	0.00	0.01	0.118	O	|	|	|	|	0.25
225.500	0.00	0.01	0.124	O	|	|	|	|	0.26	230.667	0.00	0.01	0.118	O	|	|	|	|	0.25
225.583	0.00	0.01	0.124	O	|	|	|	|	0.26	230.750	0.00	0.01	0.118	O	|	|	|	|	0.25

230.833	0.00	0.01	0.118	O	|	|	|	|	0.25	236.000	0.00	0.01	0.113	O	|	|	|	|	0.24
230.917	0.00	0.01	0.118	O	|	|	|	|	0.25	236.083	0.00	0.01	0.113	O	|	|	|	|	0.24
231.000	0.00	0.01	0.118	O	|	|	|	|	0.25	236.167	0.00	0.01	0.113	O	|	|	|	|	0.24
231.083	0.00	0.01	0.118	O	|	|	|	|	0.25	236.250	0.00	0.01	0.113	O	|	|	|	|	0.24
231.167	0.00	0.01	0.118	O	|	|	|	|	0.25	236.333	0.00	0.01	0.113	O	|	|	|	|	0.24
231.250	0.00	0.01	0.118	O	|	|	|	|	0.25	236.417	0.00	0.01	0.113	O	|	|	|	|	0.24
231.333	0.00	0.01	0.118	O	|	|	|	|	0.25	236.500	0.00	0.01	0.112	O	|	|	|	|	0.24
231.417	0.00	0.01	0.118	O	|	|	|	|	0.25	236.583	0.00	0.01	0.112	O	|	|	|	|	0.24
231.500	0.00	0.01	0.117	O	|	|	|	|	0.25	236.667	0.00	0.01	0.112	O	|	|	|	|	0.24
231.583	0.00	0.01	0.117	O	|	|	|	|	0.25	236.750	0.00	0.01	0.112	O	|	|	|	|	0.24
231.667	0.00	0.01	0.117	O	|	|	|	|	0.25	236.833	0.00	0.01	0.112	O	|	|	|	|	0.24
231.750	0.00	0.01	0.117	O	|	|	|	|	0.25	236.917	0.00	0.01	0.112	O	|	|	|	|	0.24
231.833	0.00	0.01	0.117	O	|	|	|	|	0.25	237.000	0.00	0.01	0.112	O	|	|	|	|	0.24
231.917	0.00	0.01	0.117	O	|	|	|	|	0.25	237.083	0.00	0.01	0.112	O	|	|	|	|	0.24
232.000	0.00	0.01	0.117	O	|	|	|	|	0.25	237.167	0.00	0.01	0.112	O	|	|	|	|	0.24
232.083	0.00	0.01	0.117	O	|	|	|	|	0.25	237.250	0.00	0.01	0.112	O	|	|	|	|	0.24
232.167	0.00	0.01	0.117	O	|	|	|	|	0.25	237.333	0.00	0.01	0.112	O	|	|	|	|	0.24
232.250	0.00	0.01	0.117	O	|	|	|	|	0.25	237.417	0.00	0.01	0.112	O	|	|	|	|	0.24
232.333	0.00	0.01	0.117	O	|	|	|	|	0.25	237.500	0.00	0.01	0.111	O	|	|	|	|	0.24
232.417	0.00	0.01	0.116	O	|	|	|	|	0.25	237.583	0.00	0.01	0.111	O	|	|	|	|	0.23
232.500	0.00	0.01	0.116	O	|	|	|	|	0.25	237.667	0.00	0.01	0.111	O	|	|	|	|	0.23
232.583	0.00	0.01	0.116	O	|	|	|	|	0.25	237.750	0.00	0.01	0.111	O	|	|	|	|	0.23
232.667	0.00	0.01	0.116	O	|	|	|	|	0.25	237.833	0.00	0.01	0.111	O	|	|	|	|	0.23
232.750	0.00	0.01	0.116	O	|	|	|	|	0.25	237.917	0.00	0.01	0.111	O	|	|	|	|	0.23
232.833	0.00	0.01	0.116	O	|	|	|	|	0.24	238.000	0.00	0.01	0.111	O	|	|	|	|	0.23
232.917	0.00	0.01	0.116	O	|	|	|	|	0.24	238.083	0.00	0.01	0.111	O	|	|	|	|	0.23
233.000	0.00	0.01	0.116	O	|	|	|	|	0.24	238.167	0.00	0.01	0.111	O	|	|	|	|	0.23
233.083	0.00	0.01	0.116	O	|	|	|	|	0.24	238.250	0.00	0.01	0.111	O	|	|	|	|	0.23
233.167	0.00	0.01	0.116	O	|	|	|	|	0.24	238.333	0.00	0.01	0.111	O	|	|	|	|	0.23
233.250	0.00	0.01	0.116	O	|	|	|	|	0.24	238.417	0.00	0.01	0.111	O	|	|	|	|	0.23
233.333	0.00	0.01	0.116	O	|	|	|	|	0.24	238.500	0.00	0.01	0.110	O	|	|	|	|	0.23
233.417	0.00	0.01	0.115	O	|	|	|	|	0.24	238.583	0.00	0.01	0.110	O	|	|	|	|	0.23
233.500	0.00	0.01	0.115	O	|	|	|	|	0.24	238.667	0.00	0.01	0.110	O	|	|	|	|	0.23
233.583	0.00	0.01	0.115	O	|	|	|	|	0.24	238.750	0.00	0.01	0.110	O	|	|	|	|	0.23
233.667	0.00	0.01	0.115	O	|	|	|	|	0.24	238.833	0.00	0.01	0.110	O	|	|	|	|	0.23
233.750	0.00	0.01	0.115	O	|	|	|	|	0.24	238.917	0.00	0.01	0.110	O	|	|	|	|	0.23
233.833	0.00	0.01	0.115	O	|	|	|	|	0.24	239.000	0.00	0.01	0.110	O	|	|	|	|	0.23
233.917	0.00	0.01	0.115	O	|	|	|	|	0.24	239.083	0.00	0.01	0.110	O	|	|	|	|	0.23
234.000	0.00	0.01	0.115	O	|	|	|	|	0.24	239.167	0.00	0.01	0.110	O	|	|	|	|	0.23
234.083	0.00	0.01	0.115	O	|	|	|	|	0.24	239.250	0.00	0.01	0.110	O	|	|	|	|	0.23
234.167	0.00	0.01	0.115	O	|	|	|	|	0.24	239.333	0.00	0.01	0.110	O	|	|	|	|	0.23
234.250	0.00	0.01	0.115	O	|	|	|	|	0.24	239.417	0.00	0.01	0.110	O	|	|	|	|	0.23
234.333	0.00	0.01	0.115	O	|	|	|	|	0.24	239.500	0.00	0.01	0.110	O	|	|	|	|	0.23
234.417	0.00	0.01	0.114	O	|	|	|	|	0.24	239.583	0.00	0.01	0.109	O	|	|	|	|	0.23
234.500	0.00	0.01	0.114	O	|	|	|	|	0.24	239.667	0.00	0.01	0.109	O	|	|	|	|	0.23
234.583	0.00	0.01	0.114	O	|	|	|	|	0.24	239.750	0.00	0.01	0.109	O	|	|	|	|	0.23
234.667	0.00	0.01	0.114	O	|	|	|	|	0.24	239.833	0.00	0.01	0.109	O	|	|	|	|	0.23
234.750	0.00	0.01	0.114	O	|	|	|	|	0.24	239.917	0.00	0.01	0.109	O	|	|	|	|	0.23
234.833	0.00	0.01	0.114	O	|	|	|	|	0.24	240.000	0.00	0.01	0.109	O	|	|	|	|	0.23
234.917	0.00	0.01	0.114	O	|	|	|	|	0.24	240.083	0.00	0.01	0.109	O	|	|	|	|	0.23
235.000	0.00	0.01	0.114	O	|	|	|	|	0.24	240.167	0.00	0.01	0.109	O	|	|	|	|	0.23
235.083	0.00	0.01	0.114	O	|	|	|	|	0.24	240.250	0.00	0.01	0.109	O	|	|	|	|	0.23
235.167	0.00	0.01	0.114	O	|	|	|	|	0.24	240.333	0.00	0.01	0.109	O	|	|	|	|	0.23
235.250	0.00	0.01	0.114	O	|	|	|	|	0.24	240.417	0.00	0.01	0.109	O	|	|	|	|	0.23
235.333	0.00	0.01	0.114	O	|	|	|	|	0.24	240.500	0.00	0.01	0.109	O	|	|	|	|	0.23
235.417	0.00	0.01	0.113	O	|	|	|	|	0.24	240.583	0.00	0.01	0.108	O	|	|	|	|	0.23
235.500	0.00	0.01	0.113	O	|	|	|	|	0.24	240.667	0.00	0.01	0.108	O	|	|	|	|	0.23
235.583	0.00	0.01	0.113	O	|	|	|	|	0.24	240.750	0.00	0.01	0.108	O	|	|	|	|	0.23
235.667	0.00	0.01	0.113	O	|	|	|	|	0.24	240.833	0.00	0.01	0.108	O	|	|	|	|	0.23
235.750	0.00	0.01	0.113	O	|	|	|	|	0.24	240.917	0.00	0.01	0.108	O	|	|	|	|	0.23
235.833	0.00	0.01	0.113	O	|	|	|	|	0.24	241.000	0.00	0.01	0.108	O	|	|	|	|	0.23
235.917	0.00	0.01	0.113	O	|	|	|	|	0.24	241.083	0.00	0.01	0.108	O	|	|	|	|	0.23

241.167	0.00	0.01	0.108	O	|	|	|	|	0.23	246.333	0.00	0.01	0.103	O	|	|	|	|	0.22
241.250	0.00	0.01	0.108	O	|	|	|	|	0.23	246.417	0.00	0.01	0.103	O	|	|	|	|	0.22
241.333	0.00	0.01	0.108	O	|	|	|	|	0.23	246.500	0.00	0.01	0.103	O	|	|	|	|	0.22
241.417	0.00	0.01	0.108	O	|	|	|	|	0.23	246.583	0.00	0.01	0.103	O	|	|	|	|	0.22
241.500	0.00	0.01	0.108	O	|	|	|	|	0.23	246.667	0.00	0.01	0.103	O	|	|	|	|	0.22
241.583	0.00	0.01	0.108	O	|	|	|	|	0.23	246.750	0.00	0.01	0.103	O	|	|	|	|	0.22
241.667	0.00	0.01	0.107	O	|	|	|	|	0.23	246.833	0.00	0.01	0.103	O	|	|	|	|	0.22
241.750	0.00	0.01	0.107	O	|	|	|	|	0.23	246.917	0.00	0.01	0.103	O	|	|	|	|	0.22
241.833	0.00	0.01	0.107	O	|	|	|	|	0.23	247.000	0.00	0.01	0.103	O	|	|	|	|	0.22
241.917	0.00	0.01	0.107	O	|	|	|	|	0.23	247.083	0.00	0.01	0.103	O	|	|	|	|	0.22
242.000	0.00	0.01	0.107	O	|	|	|	|	0.23	247.167	0.00	0.01	0.102	O	|	|	|	|	0.22
242.083	0.00	0.01	0.107	O	|	|	|	|	0.23	247.250	0.00	0.01	0.102	O	|	|	|	|	0.22
242.167	0.00	0.01	0.107	O	|	|	|	|	0.23	247.333	0.00	0.01	0.102	O	|	|	|	|	0.22
242.250	0.00	0.01	0.107	O	|	|	|	|	0.23	247.417	0.00	0.01	0.102	O	|	|	|	|	0.22
242.333	0.00	0.01	0.107	O	|	|	|	|	0.23	247.500	0.00	0.01	0.102	O	|	|	|	|	0.22
242.417	0.00	0.01	0.107	O	|	|	|	|	0.23	247.583	0.00	0.01	0.102	O	|	|	|	|	0.22
242.500	0.00	0.01	0.107	O	|	|	|	|	0.23	247.667	0.00	0.01	0.102	O	|	|	|	|	0.22
242.583	0.00	0.01	0.107	O	|	|	|	|	0.22	247.750	0.00	0.01	0.102	O	|	|	|	|	0.22
242.667	0.00	0.01	0.107	O	|	|	|	|	0.22	247.833	0.00	0.01	0.102	O	|	|	|	|	0.21
242.750	0.00	0.01	0.106	O	|	|	|	|	0.22	247.917	0.00	0.01	0.102	O	|	|	|	|	0.21
242.833	0.00	0.01	0.106	O	|	|	|	|	0.22	248.000	0.00	0.01	0.102	O	|	|	|	|	0.21
242.917	0.00	0.01	0.106	O	|	|	|	|	0.22	248.083	0.00	0.01	0.102	O	|	|	|	|	0.21
243.000	0.00	0.01	0.106	O	|	|	|	|	0.22	248.167	0.00	0.01	0.102	O	|	|	|	|	0.21
243.083	0.00	0.01	0.106	O	|	|	|	|	0.22	248.250	0.00	0.01	0.101	O	|	|	|	|	0.21
243.167	0.00	0.01	0.106	O	|	|	|	|	0.22	248.333	0.00	0.01	0.101	O	|	|	|	|	0.21
243.250	0.00	0.01	0.106	O	|	|	|	|	0.22	248.417	0.00	0.01	0.101	O	|	|	|	|	0.21
243.333	0.00	0.01	0.106	O	|	|	|	|	0.22	248.500	0.00	0.01	0.101	O	|	|	|	|	0.21
243.417	0.00	0.01	0.106	O	|	|	|	|	0.22	248.583	0.00	0.01	0.101	O	|	|	|	|	0.21
243.500	0.00	0.01	0.106	O	|	|	|	|	0.22	248.667	0.00	0.01	0.101	O	|	|	|	|	0.21
243.583	0.00	0.01	0.106	O	|	|	|	|	0.22	248.750	0.00	0.01	0.101	O	|	|	|	|	0.21
243.667	0.00	0.01	0.106	O	|	|	|	|	0.22	248.833	0.00	0.01	0.101	O	|	|	|	|	0.21
243.750	0.00	0.01	0.106	O	|	|	|	|	0.22	248.917	0.00	0.01	0.101	O	|	|	|	|	0.21
243.833	0.00	0.01	0.105	O	|	|	|	|	0.22	249.000	0.00	0.01	0.101	O	|	|	|	|	0.21
243.917	0.00	0.01	0.105	O	|	|	|	|	0.22	249.083	0.00	0.01	0.101	O	|	|	|	|	0.21
244.000	0.00	0.01	0.105	O	|	|	|	|	0.22	249.167	0.00	0.01	0.101	O	|	|	|	|	0.21
244.083	0.00	0.01	0.105	O	|	|	|	|	0.22	249.250	0.00	0.01	0.101	O	|	|	|	|	0.21
244.167	0.00	0.01	0.105	O	|	|	|	|	0.22	249.333	0.00	0.01	0.101	O	|	|	|	|	0.21
244.250	0.00	0.01	0.105	O	|	|	|	|	0.22	249.417	0.00	0.01	0.100	O	|	|	|	|	0.21
244.333	0.00	0.01	0.105	O	|	|	|	|	0.22	249.500	0.00	0.01	0.100	O	|	|	|	|	0.21
244.417	0.00	0.01	0.105	O	|	|	|	|	0.22	249.583	0.00	0.01	0.100	O	|	|	|	|	0.21
244.500	0.00	0.01	0.105	O	|	|	|	|	0.22	249.667	0.00	0.01	0.100	O	|	|	|	|	0.21
244.583	0.00	0.01	0.105	O	|	|	|	|	0.22	249.750	0.00	0.01	0.100	O	|	|	|	|	0.21
244.667	0.00	0.01	0.105	O	|	|	|	|	0.22	249.833	0.00	0.01	0.100	O	|	|	|	|	0.21
244.750	0.00	0.01	0.105	O	|	|	|	|	0.22	249.917	0.00	0.01	0.100	O	|	|	|	|	0.21
244.833	0.00	0.01	0.105	O	|	|	|	|	0.22	250.000	0.00	0.01	0.100	O	|	|	|	|	0.21
244.917	0.00	0.01	0.104	O	|	|	|	|	0.22	250.083	0.00	0.01	0.100	O	|	|	|	|	0.21
245.000	0.00	0.01	0.104	O	|	|	|	|	0.22	250.167	0.00	0.01	0.100	O	|	|	|	|	0.21
245.083	0.00	0.01	0.104	O	|	|	|	|	0.22	250.250	0.00	0.01	0.100	O	|	|	|	|	0.21
245.167	0.00	0.01	0.104	O	|	|	|	|	0.22	250.333	0.00	0.01	0.100	O	|	|	|	|	0.21
245.250	0.00	0.01	0.104	O	|	|	|	|	0.22	250.417	0.00	0.01	0.100	O	|	|	|	|	0.21
245.333	0.00	0.01	0.104	O	|	|	|	|	0.22	250.500	0.00	0.01	0.100	O	|	|	|	|	0.21
245.417	0.00	0.01	0.104	O	|	|	|	|	0.22	250.583	0.00	0.01	0.099	O	|	|	|	|	0.21
245.500	0.00	0.01	0.104	O	|	|	|	|	0.22	250.667	0.00	0.01	0.099	O	|	|	|	|	0.21
245.583	0.00	0.01	0.104	O	|	|	|	|	0.22	250.750	0.00	0.01	0.099	O	|	|	|	|	0.21
245.667	0.00	0.01	0.104	O	|	|	|	|	0.22	250.833	0.00	0.01	0.099	O	|	|	|	|	0.21
245.750	0.00	0.01	0.104	O	|	|	|	|	0.22	250.917	0.00	0.01	0.099	O	|	|	|	|	0.21
245.833	0.00	0.01	0.104	O	|	|	|	|	0.22	251.000	0.00	0.01	0.099	O	|	|	|	|	0.21
245.917	0.00	0.01	0.104	O	|	|	|	|	0.22	251.083	0.00	0.01	0.099	O	|	|	|	|	0.21
246.000	0.00	0.01	0.103	O	|	|	|	|	0.22	251.167	0.00	0.01	0.099	O	|	|	|	|	0.21
246.083	0.00	0.01	0.103	O	|	|	|	|	0.22	251.250	0.00	0.01	0.099	O	|	|	|	|	0.21
246.167	0.00	0.01	0.103	O	|	|	|	|	0.22	251.333	0.00	0.01	0.099	O	|	|	|	|	0.21
246.250	0.00	0.01	0.103	O	|	|	|	|	0.22	251.417	0.00	0.01	0.099	O	|	|	|	|	0.21

251.500	0.00	0.01	0.099	O	|	|	|	|	0.21	256.667	0.00	0.01	0.094	O	|	|	|	|	0.20
251.583	0.00	0.01	0.099	O	|	|	|	|	0.21	256.750	0.00	0.01	0.094	O	|	|	|	|	0.20
251.667	0.00	0.01	0.099	O	|	|	|	|	0.21	256.833	0.00	0.01	0.094	O	|	|	|	|	0.20
251.750	0.00	0.01	0.098	O	|	|	|	|	0.21	256.917	0.00	0.01	0.094	O	|	|	|	|	0.20
251.833	0.00	0.01	0.098	O	|	|	|	|	0.21	257.000	0.00	0.01	0.094	O	|	|	|	|	0.20
251.917	0.00	0.01	0.098	O	|	|	|	|	0.21	257.083	0.00	0.01	0.094	O	|	|	|	|	0.20
252.000	0.00	0.01	0.098	O	|	|	|	|	0.21	257.167	0.00	0.01	0.094	O	|	|	|	|	0.20
252.083	0.00	0.01	0.098	O	|	|	|	|	0.21	257.250	0.00	0.01	0.094	O	|	|	|	|	0.20
252.167	0.00	0.01	0.098	O	|	|	|	|	0.21	257.333	0.00	0.01	0.094	O	|	|	|	|	0.20
252.250	0.00	0.01	0.098	O	|	|	|	|	0.21	257.417	0.00	0.01	0.094	O	|	|	|	|	0.20
252.333	0.00	0.01	0.098	O	|	|	|	|	0.21	257.500	0.00	0.01	0.094	O	|	|	|	|	0.20
252.417	0.00	0.01	0.098	O	|	|	|	|	0.21	257.583	0.00	0.01	0.094	O	|	|	|	|	0.20
252.500	0.00	0.01	0.098	O	|	|	|	|	0.21	257.667	0.00	0.01	0.093	O	|	|	|	|	0.20
252.583	0.00	0.01	0.098	O	|	|	|	|	0.21	257.750	0.00	0.01	0.093	O	|	|	|	|	0.20
252.667	0.00	0.01	0.098	O	|	|	|	|	0.21	257.833	0.00	0.01	0.093	O	|	|	|	|	0.20
252.750	0.00	0.01	0.098	O	|	|	|	|	0.21	257.917	0.00	0.01	0.093	O	|	|	|	|	0.20
252.833	0.00	0.01	0.098	O	|	|	|	|	0.21	258.000	0.00	0.01	0.093	O	|	|	|	|	0.20
252.917	0.00	0.01	0.097	O	|	|	|	|	0.21	258.083	0.00	0.01	0.093	O	|	|	|	|	0.20
253.000	0.00	0.01	0.097	O	|	|	|	|	0.21	258.167	0.00	0.01	0.093	O	|	|	|	|	0.20
253.083	0.00	0.01	0.097	O	|	|	|	|	0.21	258.250	0.00	0.01	0.093	O	|	|	|	|	0.20
253.167	0.00	0.01	0.097	O	|	|	|	|	0.21	258.333	0.00	0.01	0.093	O	|	|	|	|	0.20
253.250	0.00	0.01	0.097	O	|	|	|	|	0.20	258.417	0.00	0.01	0.093	O	|	|	|	|	0.20
253.333	0.00	0.01	0.097	O	|	|	|	|	0.20	258.500	0.00	0.01	0.093	O	|	|	|	|	0.20
253.417	0.00	0.01	0.097	O	|	|	|	|	0.20	258.583	0.00	0.01	0.093	O	|	|	|	|	0.20
253.500	0.00	0.01	0.097	O	|	|	|	|	0.20	258.667	0.00	0.01	0.093	O	|	|	|	|	0.20
253.583	0.00	0.01	0.097	O	|	|	|	|	0.20	258.750	0.00	0.01	0.093	O	|	|	|	|	0.20
253.667	0.00	0.01	0.097	O	|	|	|	|	0.20	258.833	0.00	0.01	0.093	O	|	|	|	|	0.20
253.750	0.00	0.01	0.097	O	|	|	|	|	0.20	258.917	0.00	0.01	0.092	O	|	|	|	|	0.20
253.833	0.00	0.01	0.097	O	|	|	|	|	0.20	259.000	0.00	0.01	0.092	O	|	|	|	|	0.19
253.917	0.00	0.01	0.097	O	|	|	|	|	0.20	259.083	0.00	0.01	0.092	O	|	|	|	|	0.19
254.000	0.00	0.01	0.097	O	|	|	|	|	0.20	259.167	0.00	0.01	0.092	O	|	|	|	|	0.19
254.083	0.00	0.01	0.096	O	|	|	|	|	0.20	259.250	0.00	0.01	0.092	O	|	|	|	|	0.19
254.167	0.00	0.01	0.096	O	|	|	|	|	0.20	259.333	0.00	0.01	0.092	O	|	|	|	|	0.19
254.250	0.00	0.01	0.096	O	|	|	|	|	0.20	259.417	0.00	0.01	0.092	O	|	|	|	|	0.19
254.333	0.00	0.01	0.096	O	|	|	|	|	0.20	259.500	0.00	0.01	0.092	O	|	|	|	|	0.19
254.417	0.00	0.01	0.096	O	|	|	|	|	0.20	259.583	0.00	0.01	0.092	O	|	|	|	|	0.19
254.500	0.00	0.01	0.096	O	|	|	|	|	0.20	259.667	0.00	0.01	0.092	O	|	|	|	|	0.19
254.583	0.00	0.01	0.096	O	|	|	|	|	0.20	259.750	0.00	0.01	0.092	O	|	|	|	|	0.19
254.667	0.00	0.01	0.096	O	|	|	|	|	0.20	259.833	0.00	0.01	0.092	O	|	|	|	|	0.19
254.750	0.00	0.01	0.096	O	|	|	|	|	0.20	259.917	0.00	0.01	0.092	O	|	|	|	|	0.19
254.833	0.00	0.01	0.096	O	|	|	|	|	0.20	260.000	0.00	0.01	0.092	O	|	|	|	|	0.19
254.917	0.00	0.01	0.096	O	|	|	|	|	0.20	260.083	0.00	0.01	0.092	O	|	|	|	|	0.19
255.000	0.00	0.01	0.096	O	|	|	|	|	0.20	260.167	0.00	0.01	0.091	O	|	|	|	|	0.19
255.083	0.00	0.01	0.096	O	|	|	|	|	0.20	260.250	0.00	0.01	0.091	O	|	|	|	|	0.19
255.167	0.00	0.01	0.096	O	|	|	|	|	0.20	260.333	0.00	0.01	0.091	O	|	|	|	|	0.19
255.250	0.00	0.01	0.095	O	|	|	|	|	0.20	260.417	0.00	0.01	0.091	O	|	|	|	|	0.19
255.333	0.00	0.01	0.095	O	|	|	|	|	0.20	260.500	0.00	0.01	0.091	O	|	|	|	|	0.19
255.417	0.00	0.01	0.095	O	|	|	|	|	0.20	260.583	0.00	0.01	0.091	O	|	|	|	|	0.19
255.500	0.00	0.01	0.095	O	|	|	|	|	0.20	260.667	0.00	0.01	0.091	O	|	|	|	|	0.19
255.583	0.00	0.01	0.095	O	|	|	|	|	0.20	260.750	0.00	0.01	0.091	O	|	|	|	|	0.19
255.667	0.00	0.01	0.095	O	|	|	|	|	0.20	260.833	0.00	0.01	0.091	O	|	|	|	|	0.19
255.750	0.00	0.01	0.095	O	|	|	|	|	0.20	260.917	0.00	0.01	0.091	O	|	|	|	|	0.19
255.833	0.00	0.01	0.095	O	|	|	|	|	0.20	261.000	0.00	0.01	0.091	O	|	|	|	|	0.19
255.917	0.00	0.01	0.095	O	|	|	|	|	0.20	261.083	0.00	0.01	0.091	O	|	|	|	|	0.19
256.000	0.00	0.01	0.095	O	|	|	|	|	0.20	261.167	0.00	0.01	0.091	O	|	|	|	|	0.19
256.083	0.00	0.01	0.095	O	|	|	|	|	0.20	261.250	0.00	0.01	0.091	O	|	|	|	|	0.19
256.167	0.00	0.01	0.095	O	|	|	|	|	0.20	261.333	0.00	0.01	0.091	O	|	|	|	|	0.19
256.250	0.00	0.01	0.095	O	|	|	|	|	0.20	261.417	0.00	0.01	0.090	O	|	|	|	|	0.19
256.333	0.00	0.01	0.095	O	|	|	|	|	0.20	261.500	0.00	0.01	0.090	O	|	|	|	|	0.19
256.417	0.00	0.01	0.095	O	|	|	|	|	0.20	261.583	0.00	0.01	0.090	O	|	|	|	|	0.19
256.500	0.00	0.01	0.094	O	|	|	|	|	0.20	261.667	0.00	0.01	0.090	O	|	|	|	|	0.19
256.583	0.00	0.01	0.094	O	|	|	|	|	0.20	261.750	0.00	0.01	0.090	O	|	|	|	|	0.19

261.833	0.00	0.01	0.090	O	|	|	|	|	0.19	267.000	0.00	0.01	0.086	O	|	|	|	|	0.18
261.917	0.00	0.01	0.090	O	|	|	|	|	0.19	267.083	0.00	0.01	0.086	O	|	|	|	|	0.18
262.000	0.00	0.01	0.090	O	|	|	|	|	0.19	267.167	0.00	0.01	0.086	O	|	|	|	|	0.18
262.083	0.00	0.01	0.090	O	|	|	|	|	0.19	267.250	0.00	0.01	0.086	O	|	|	|	|	0.18
262.167	0.00	0.01	0.090	O	|	|	|	|	0.19	267.333	0.00	0.01	0.086	O	|	|	|	|	0.18
262.250	0.00	0.01	0.090	O	|	|	|	|	0.19	267.417	0.00	0.01	0.086	O	|	|	|	|	0.18
262.333	0.00	0.01	0.090	O	|	|	|	|	0.19	267.500	0.00	0.01	0.086	O	|	|	|	|	0.18
262.417	0.00	0.01	0.090	O	|	|	|	|	0.19	267.583	0.00	0.01	0.086	O	|	|	|	|	0.18
262.500	0.00	0.01	0.090	O	|	|	|	|	0.19	267.667	0.00	0.01	0.086	O	|	|	|	|	0.18
262.583	0.00	0.01	0.090	O	|	|	|	|	0.19	267.750	0.00	0.01	0.086	O	|	|	|	|	0.18
262.667	0.00	0.01	0.089	O	|	|	|	|	0.19	267.833	0.00	0.01	0.086	O	|	|	|	|	0.18
262.750	0.00	0.01	0.089	O	|	|	|	|	0.19	267.917	0.00	0.01	0.085	O	|	|	|	|	0.18
262.833	0.00	0.01	0.089	O	|	|	|	|	0.19	268.000	0.00	0.01	0.085	O	|	|	|	|	0.18
262.917	0.00	0.01	0.089	O	|	|	|	|	0.19	268.083	0.00	0.01	0.085	O	|	|	|	|	0.18
263.000	0.00	0.01	0.089	O	|	|	|	|	0.19	268.167	0.00	0.01	0.085	O	|	|	|	|	0.18
263.083	0.00	0.01	0.089	O	|	|	|	|	0.19	268.250	0.00	0.01	0.085	O	|	|	|	|	0.18
263.167	0.00	0.01	0.089	O	|	|	|	|	0.19	268.333	0.00	0.01	0.085	O	|	|	|	|	0.18
263.250	0.00	0.01	0.089	O	|	|	|	|	0.19	268.417	0.00	0.01	0.085	O	|	|	|	|	0.18
263.333	0.00	0.01	0.089	O	|	|	|	|	0.19	268.500	0.00	0.01	0.085	O	|	|	|	|	0.18
263.417	0.00	0.01	0.089	O	|	|	|	|	0.19	268.583	0.00	0.01	0.085	O	|	|	|	|	0.18
263.500	0.00	0.01	0.089	O	|	|	|	|	0.19	268.667	0.00	0.01	0.085	O	|	|	|	|	0.18
263.583	0.00	0.01	0.089	O	|	|	|	|	0.19	268.750	0.00	0.01	0.085	O	|	|	|	|	0.18
263.667	0.00	0.01	0.089	O	|	|	|	|	0.19	268.833	0.00	0.01	0.085	O	|	|	|	|	0.18
263.750	0.00	0.01	0.089	O	|	|	|	|	0.19	268.917	0.00	0.01	0.085	O	|	|	|	|	0.18
263.833	0.00	0.01	0.089	O	|	|	|	|	0.19	269.000	0.00	0.01	0.085	O	|	|	|	|	0.18
263.917	0.00	0.01	0.089	O	|	|	|	|	0.19	269.083	0.00	0.01	0.085	O	|	|	|	|	0.18
264.000	0.00	0.01	0.088	O	|	|	|	|	0.19	269.167	0.00	0.01	0.085	O	|	|	|	|	0.18
264.083	0.00	0.01	0.088	O	|	|	|	|	0.19	269.250	0.00	0.01	0.085	O	|	|	|	|	0.18
264.167	0.00	0.01	0.088	O	|	|	|	|	0.19	269.333	0.00	0.01	0.084	O	|	|	|	|	0.18
264.250	0.00	0.01	0.088	O	|	|	|	|	0.19	269.417	0.00	0.01	0.084	O	|	|	|	|	0.18
264.333	0.00	0.01	0.088	O	|	|	|	|	0.19	269.500	0.00	0.01	0.084	O	|	|	|	|	0.18
264.417	0.00	0.01	0.088	O	|	|	|	|	0.19	269.583	0.00	0.01	0.084	O	|	|	|	|	0.18
264.500	0.00	0.01	0.088	O	|	|	|	|	0.19	269.667	0.00	0.01	0.084	O	|	|	|	|	0.18
264.583	0.00	0.01	0.088	O	|	|	|	|	0.19	269.750	0.00	0.01	0.084	O	|	|	|	|	0.18
264.667	0.00	0.01	0.088	O	|	|	|	|	0.19	269.833	0.00	0.01	0.084	O	|	|	|	|	0.18
264.750	0.00	0.01	0.088	O	|	|	|	|	0.19	269.917	0.00	0.01	0.084	O	|	|	|	|	0.18
264.833	0.00	0.01	0.088	O	|	|	|	|	0.19	270.000	0.00	0.01	0.084	O	|	|	|	|	0.18
264.917	0.00	0.01	0.088	O	|	|	|	|	0.19	270.083	0.00	0.01	0.084	O	|	|	|	|	0.18
265.000	0.00	0.01	0.088	O	|	|	|	|	0.19	270.167	0.00	0.01	0.084	O	|	|	|	|	0.18
265.083	0.00	0.01	0.088	O	|	|	|	|	0.18	270.250	0.00	0.01	0.084	O	|	|	|	|	0.18
265.167	0.00	0.01	0.088	O	|	|	|	|	0.18	270.333	0.00	0.01	0.084	O	|	|	|	|	0.18
265.250	0.00	0.01	0.088	O	|	|	|	|	0.18	270.417	0.00	0.01	0.084	O	|	|	|	|	0.18
265.333	0.00	0.01	0.087	O	|	|	|	|	0.18	270.500	0.00	0.01	0.084	O	|	|	|	|	0.18
265.417	0.00	0.01	0.087	O	|	|	|	|	0.18	270.583	0.00	0.01	0.084	O	|	|	|	|	0.18
265.500	0.00	0.01	0.087	O	|	|	|	|	0.18	270.667	0.00	0.01	0.083	O	|	|	|	|	0.18
265.583	0.00	0.01	0.087	O	|	|	|	|	0.18	270.750	0.00	0.01	0.083	O	|	|	|	|	0.18
265.667	0.00	0.01	0.087	O	|	|	|	|	0.18	270.833	0.00	0.01	0.083	O	|	|	|	|	0.18
265.750	0.00	0.01	0.087	O	|	|	|	|	0.18	270.917	0.00	0.01	0.083	O	|	|	|	|	0.18
265.833	0.00	0.01	0.087	O	|	|	|	|	0.18	271.000	0.00	0.01	0.083	O	|	|	|	|	0.18
265.917	0.00	0.01	0.087	O	|	|	|	|	0.18	271.083	0.00	0.01	0.083	O	|	|	|	|	0.18
266.000	0.00	0.01	0.087	O	|	|	|	|	0.18	271.167	0.00	0.01	0.083	O	|	|	|	|	0.18
266.083	0.00	0.01	0.087	O	|	|	|	|	0.18	271.250	0.00	0.01	0.083	O	|	|	|	|	0.18
266.167	0.00	0.01	0.087	O	|	|	|	|	0.18	271.333	0.00	0.01	0.083	O	|	|	|	|	0.18
266.250	0.00	0.01	0.087	O	|	|	|	|	0.18	271.417	0.00	0.01	0.083	O	|	|	|	|	0.17
266.333	0.00	0.01	0.087	O	|	|	|	|	0.18	271.500	0.00	0.01	0.083	O	|	|	|	|	0.17
266.417	0.00	0.01	0.087	O	|	|	|	|	0.18	271.583	0.00	0.01	0.083	O	|	|	|	|	0.17
266.500	0.00	0.01	0.087	O	|	|	|	|	0.18	271.667	0.00	0.01	0.083	O	|	|	|	|	0.17
266.583	0.00	0.01	0.086	O	|	|	|	|	0.18	271.750	0.00	0.01	0.083	O	|	|	|	|	0.17
266.667	0.00	0.01	0.086	O	|	|	|	|	0.18	271.833	0.00	0.01	0.083	O	|	|	|	|	0.17
266.750	0.00	0.01	0.086	O	|	|	|	|	0.18	271.917	0.00	0.01	0.083	O	|	|	|	|	0.17
266.833	0.00	0.01	0.086	O	|	|	|	|	0.18	272.000	0.00	0.01	0.083	O	|	|	|	|	0.17
266.917	0.00	0.01	0.086	O	|	|	|	|	0.18	272.083	0.00	0.01	0.082	O	|	|	|	|	0.17

272.167	0.00	0.01	0.082	O	|	|	|	|	0.17	277.333	0.00	0.01	0.079	O	|	|	|	|	0.17
272.250	0.00	0.01	0.082	O	|	|	|	|	0.17	277.417	0.00	0.01	0.079	O	|	|	|	|	0.17
272.333	0.00	0.01	0.082	O	|	|	|	|	0.17	277.500	0.00	0.01	0.079	O	|	|	|	|	0.17
272.417	0.00	0.01	0.082	O	|	|	|	|	0.17	277.583	0.00	0.01	0.079	O	|	|	|	|	0.17
272.500	0.00	0.01	0.082	O	|	|	|	|	0.17	277.667	0.00	0.01	0.079	O	|	|	|	|	0.17
272.583	0.00	0.01	0.082	O	|	|	|	|	0.17	277.750	0.00	0.01	0.078	O	|	|	|	|	0.17
272.667	0.00	0.01	0.082	O	|	|	|	|	0.17	277.833	0.00	0.01	0.078	O	|	|	|	|	0.17
272.750	0.00	0.01	0.082	O	|	|	|	|	0.17	277.917	0.00	0.01	0.078	O	|	|	|	|	0.17
272.833	0.00	0.01	0.082	O	|	|	|	|	0.17	278.000	0.00	0.01	0.078	O	|	|	|	|	0.17
272.917	0.00	0.01	0.082	O	|	|	|	|	0.17	278.083	0.00	0.01	0.078	O	|	|	|	|	0.17
273.000	0.00	0.01	0.082	O	|	|	|	|	0.17	278.167	0.00	0.01	0.078	O	|	|	|	|	0.16
273.083	0.00	0.01	0.082	O	|	|	|	|	0.17	278.250	0.00	0.01	0.078	O	|	|	|	|	0.16
273.167	0.00	0.01	0.082	O	|	|	|	|	0.17	278.333	0.00	0.01	0.078	O	|	|	|	|	0.16
273.250	0.00	0.01	0.082	O	|	|	|	|	0.17	278.417	0.00	0.01	0.078	O	|	|	|	|	0.16
273.333	0.00	0.01	0.082	O	|	|	|	|	0.17	278.500	0.00	0.01	0.078	O	|	|	|	|	0.16
273.417	0.00	0.01	0.081	O	|	|	|	|	0.17	278.583	0.00	0.01	0.078	O	|	|	|	|	0.16
273.500	0.00	0.01	0.081	O	|	|	|	|	0.17	278.667	0.00	0.01	0.078	O	|	|	|	|	0.16
273.583	0.00	0.01	0.081	O	|	|	|	|	0.17	278.750	0.00	0.01	0.078	O	|	|	|	|	0.16
273.667	0.00	0.01	0.081	O	|	|	|	|	0.17	278.833	0.00	0.01	0.078	O	|	|	|	|	0.16
273.750	0.00	0.01	0.081	O	|	|	|	|	0.17	278.917	0.00	0.01	0.078	O	|	|	|	|	0.16
273.833	0.00	0.01	0.081	O	|	|	|	|	0.17	279.000	0.00	0.01	0.078	O	|	|	|	|	0.16
273.917	0.00	0.01	0.081	O	|	|	|	|	0.17	279.083	0.00	0.01	0.078	O	|	|	|	|	0.16
274.000	0.00	0.01	0.081	O	|	|	|	|	0.17	279.167	0.00	0.01	0.078	O	|	|	|	|	0.16
274.083	0.00	0.01	0.081	O	|	|	|	|	0.17	279.250	0.00	0.01	0.077	O	|	|	|	|	0.16
274.167	0.00	0.01	0.081	O	|	|	|	|	0.17	279.333	0.00	0.01	0.077	O	|	|	|	|	0.16
274.250	0.00	0.01	0.081	O	|	|	|	|	0.17	279.417	0.00	0.01	0.077	O	|	|	|	|	0.16
274.333	0.00	0.01	0.081	O	|	|	|	|	0.17	279.500	0.00	0.01	0.077	O	|	|	|	|	0.16
274.417	0.00	0.01	0.081	O	|	|	|	|	0.17	279.583	0.00	0.01	0.077	O	|	|	|	|	0.16
274.500	0.00	0.01	0.081	O	|	|	|	|	0.17	279.667	0.00	0.01	0.077	O	|	|	|	|	0.16
274.583	0.00	0.01	0.081	O	|	|	|	|	0.17	279.750	0.00	0.01	0.077	O	|	|	|	|	0.16
274.667	0.00	0.01	0.081	O	|	|	|	|	0.17	279.833	0.00	0.01	0.077	O	|	|	|	|	0.16
274.750	0.00	0.01	0.081	O	|	|	|	|	0.17	279.917	0.00	0.01	0.077	O	|	|	|	|	0.16
274.833	0.00	0.01	0.080	O	|	|	|	|	0.17	280.000	0.00	0.01	0.077	O	|	|	|	|	0.16
274.917	0.00	0.01	0.080	O	|	|	|	|	0.17	280.083	0.00	0.01	0.077	O	|	|	|	|	0.16
275.000	0.00	0.01	0.080	O	|	|	|	|	0.17	280.167	0.00	0.01	0.077	O	|	|	|	|	0.16
275.083	0.00	0.01	0.080	O	|	|	|	|	0.17	280.250	0.00	0.01	0.077	O	|	|	|	|	0.16
275.167	0.00	0.01	0.080	O	|	|	|	|	0.17	280.333	0.00	0.01	0.077	O	|	|	|	|	0.16
275.250	0.00	0.01	0.080	O	|	|	|	|	0.17	280.417	0.00	0.01	0.077	O	|	|	|	|	0.16
275.333	0.00	0.01	0.080	O	|	|	|	|	0.17	280.500	0.00	0.01	0.077	O	|	|	|	|	0.16
275.417	0.00	0.01	0.080	O	|	|	|	|	0.17	280.583	0.00	0.01	0.077	O	|	|	|	|	0.16
275.500	0.00	0.01	0.080	O	|	|	|	|	0.17	280.667	0.00	0.01	0.076	O	|	|	|	|	0.16
275.583	0.00	0.01	0.080	O	|	|	|	|	0.17	280.750	0.00	0.01	0.076	O	|	|	|	|	0.16
275.667	0.00	0.01	0.080	O	|	|	|	|	0.17	280.833	0.00	0.01	0.076	O	|	|	|	|	0.16
275.750	0.00	0.01	0.080	O	|	|	|	|	0.17	280.917	0.00	0.01	0.076	O	|	|	|	|	0.16
275.833	0.00	0.01	0.080	O	|	|	|	|	0.17	281.000	0.00	0.01	0.076	O	|	|	|	|	0.16
275.917	0.00	0.01	0.080	O	|	|	|	|	0.17	281.083	0.00	0.01	0.076	O	|	|	|	|	0.16
276.000	0.00	0.01	0.080	O	|	|	|	|	0.17	281.167	0.00	0.01	0.076	O	|	|	|	|	0.16
276.083	0.00	0.01	0.080	O	|	|	|	|	0.17	281.250	0.00	0.01	0.076	O	|	|	|	|	0.16
276.167	0.00	0.01	0.080	O	|	|	|	|	0.17	281.333	0.00	0.01	0.076	O	|	|	|	|	0.16
276.250	0.00	0.01	0.080	O	|	|	|	|	0.17	281.417	0.00	0.01	0.076	O	|	|	|	|	0.16
276.333	0.00	0.01	0.079	O	|	|	|	|	0.17	281.500	0.00	0.01	0.076	O	|	|	|	|	0.16
276.417	0.00	0.01	0.079	O	|	|	|	|	0.17	281.583	0.00	0.01	0.076	O	|	|	|	|	0.16
276.500	0.00	0.01	0.079	O	|	|	|	|	0.17	281.667	0.00	0.01	0.076	O	|	|	|	|	0.16
276.583	0.00	0.01	0.079	O	|	|	|	|	0.17	281.750	0.00	0.01	0.076	O	|	|	|	|	0.16
276.667	0.00	0.01	0.079	O	|	|	|	|	0.17	281.833	0.00	0.01	0.076	O	|	|	|	|	0.16
276.750	0.00	0.01	0.079	O	|	|	|	|	0.17	281.917	0.00	0.01	0.076	O	|	|	|	|	0.16
276.833	0.00	0.01	0.079	O	|	|	|	|	0.17	282.000	0.00	0.01	0.076	O	|	|	|	|	0.16
276.917	0.00	0.01	0.079	O	|	|	|	|	0.17	282.083	0.00	0.01	0.076	O	|	|	|	|	0.16
277.000	0.00	0.01	0.079	O	|	|	|	|	0.17	282.167	0.00	0.01	0.076	O	|	|	|	|	0.16
277.083	0.00	0.01	0.079	O	|	|	|	|	0.17	282.250	0.00	0.01	0.075	O	|	|	|	|	0.16
277.167	0.00	0.01	0.079	O	|	|	|	|	0.17	282.333	0.00	0.01	0.075	O	|	|	|	|	0.16
277.250	0.00	0.01	0.079	O	|	|	|	|	0.17	282.417	0.00	0.01	0.075	O	|	|	|	|	0.16

282.500	0.00	0.01	0.075	O					0.16	287.667	0.00	0.01	0.072	O					0.15
282.583	0.00	0.01	0.075	O					0.16	287.750	0.00	0.01	0.072	O					0.15
282.667	0.00	0.01	0.075	O					0.16	287.833	0.00	0.01	0.072	O					0.15
282.750	0.00	0.01	0.075	O					0.16	287.917	0.00	0.01	0.072	O					0.15
282.833	0.00	0.01	0.075	O					0.16	288.000	0.00	0.01	0.072	O					0.15
282.917	0.00	0.01	0.075	O					0.16	288.083	0.00	0.01	0.072	O					0.15
283.000	0.00	0.01	0.075	O					0.16	288.167	0.00	0.01	0.072	O					0.15
283.083	0.00	0.01	0.075	O					0.16	288.250	0.00	0.01	0.072	O					0.15
283.167	0.00	0.01	0.075	O					0.16	288.333	0.00	0.01	0.072	O					0.15
283.250	0.00	0.01	0.075	O					0.16	288.417	0.00	0.01	0.071	O					0.15
283.333	0.00	0.01	0.075	O					0.16	288.500	0.00	0.01	0.071	O					0.15
283.417	0.00	0.01	0.075	O					0.16	288.583	0.00	0.01	0.071	O					0.15
283.500	0.00	0.01	0.075	O					0.16	288.667	0.00	0.01	0.071	O					0.15
283.583	0.00	0.01	0.075	O					0.16	288.750	0.00	0.01	0.071	O					0.15
283.667	0.00	0.01	0.075	O					0.16	288.833	0.00	0.01	0.071	O					0.15
283.750	0.00	0.01	0.074	O					0.16	288.917	0.00	0.01	0.071	O					0.15
283.833	0.00	0.01	0.074	O					0.16	289.000	0.00	0.01	0.071	O					0.15
283.917	0.00	0.01	0.074	O					0.16	289.083	0.00	0.01	0.071	O					0.15
284.000	0.00	0.01	0.074	O					0.16	289.167	0.00	0.01	0.071	O					0.15
284.083	0.00	0.01	0.074	O					0.16	289.250	0.00	0.01	0.071	O					0.15
284.167	0.00	0.01	0.074	O					0.16	289.333	0.00	0.01	0.071	O					0.15
284.250	0.00	0.01	0.074	O					0.16	289.417	0.00	0.01	0.071	O					0.15
284.333	0.00	0.01	0.074	O					0.16	289.500	0.00	0.01	0.071	O					0.15
284.417	0.00	0.01	0.074	O					0.16	289.583	0.00	0.01	0.071	O					0.15
284.500	0.00	0.01	0.074	O					0.16	289.667	0.00	0.01	0.071	O					0.15
284.583	0.00	0.01	0.074	O					0.16	289.750	0.00	0.01	0.071	O					0.15
284.667	0.00	0.01	0.074	O					0.16	289.833	0.00	0.01	0.071	O					0.15
284.750	0.00	0.01	0.074	O					0.16	289.917	0.00	0.01	0.071	O					0.15
284.833	0.00	0.01	0.074	O					0.16	290.000	0.00	0.01	0.071	O					0.15
284.917	0.00	0.01	0.074	O					0.16	290.083	0.00	0.01	0.070	O					0.15
285.000	0.00	0.01	0.074	O					0.16	290.167	0.00	0.01	0.070	O					0.15
285.083	0.00	0.01	0.074	O					0.16	290.250	0.00	0.01	0.070	O					0.15
285.167	0.00	0.01	0.074	O					0.16	290.333	0.00	0.01	0.070	O					0.15
285.250	0.00	0.01	0.074	O					0.16	290.417	0.00	0.01	0.070	O					0.15
285.333	0.00	0.01	0.073	O					0.15	290.500	0.00	0.01	0.070	O					0.15
285.417	0.00	0.01	0.073	O					0.15	290.583	0.00	0.01	0.070	O					0.15
285.500	0.00	0.01	0.073	O					0.15	290.667	0.00	0.01	0.070	O					0.15
285.583	0.00	0.01	0.073	O					0.15	290.750	0.00	0.01	0.070	O					0.15
285.667	0.00	0.01	0.073	O					0.15	290.833	0.00	0.01	0.070	O					0.15
285.750	0.00	0.01	0.073	O					0.15	290.917	0.00	0.01	0.070	O					0.15
285.833	0.00	0.01	0.073	O					0.15	291.000	0.00	0.01	0.070	O					0.15
285.917	0.00	0.01	0.073	O					0.15	291.083	0.00	0.01	0.070	O					0.15
286.000	0.00	0.01	0.073	O					0.15	291.167	0.00	0.01	0.070	O					0.15
286.083	0.00	0.01	0.073	O					0.15	291.250	0.00	0.01	0.070	O					0.15
286.167	0.00	0.01	0.073	O					0.15	291.333	0.00	0.01	0.070	O					0.15
286.250	0.00	0.01	0.073	O					0.15	291.417	0.00	0.01	0.070	O					0.15
286.333	0.00	0.01	0.073	O					0.15	291.500	0.00	0.01	0.070	O					0.15
286.417	0.00	0.01	0.073	O					0.15	291.583	0.00	0.01	0.070	O					0.15
286.500	0.00	0.01	0.073	O					0.15	291.667	0.00	0.01	0.070	O					0.15
286.583	0.00	0.01	0.073	O					0.15	291.750	0.00	0.01	0.069	O					0.15
286.667	0.00	0.01	0.073	O					0.15	291.833	0.00	0.01	0.069	O					0.15
286.750	0.00	0.01	0.073	O					0.15	291.917	0.00	0.01	0.069	O					0.15
286.833	0.00	0.01	0.072	O					0.15	292.000	0.00	0.01	0.069	O					0.15
286.917	0.00	0.01	0.072	O					0.15	292.083	0.00	0.01	0.069	O					0.15
287.000	0.00	0.01	0.072	O					0.15	292.167	0.00	0.01	0.069	O					0.15
287.083	0.00	0.01	0.072	O					0.15	292.250	0.00	0.01	0.069	O					0.15
287.167	0.00	0.01	0.072	O					0.15	292.333	0.00	0.01	0.069	O					0.15
287.250	0.00	0.01	0.072	O					0.15	292.417	0.00	0.01	0.069	O					0.15
287.333	0.00	0.01	0.072	O					0.15	292.500	0.00	0.01	0.069	O					0.15
287.417	0.00	0.01	0.072	O					0.15	292.583	0.00	0.01	0.069	O					0.15
287.500	0.00	0.01	0.072	O					0.15	292.667	0.00	0.01	0.069	O					0.15
287.583	0.00	0.01	0.072	O					0.15	292.750	0.00	0.01	0.069	O					0.15

292.833	0.00	0.01	0.069	O	|	|	|	|	0.15	298.000	0.00	0.01	0.066	O	|	|	|	|	0.14
292.917	0.00	0.01	0.069	O	|	|	|	|	0.15	298.083	0.00	0.01	0.066	O	|	|	|	|	0.14
293.000	0.00	0.01	0.069	O	|	|	|	|	0.14	298.167	0.00	0.01	0.066	O	|	|	|	|	0.14
293.083	0.00	0.01	0.069	O	|	|	|	|	0.14	298.250	0.00	0.01	0.066	O	|	|	|	|	0.14
293.167	0.00	0.01	0.069	O	|	|	|	|	0.14	298.333	0.00	0.01	0.066	O	|	|	|	|	0.14
293.250	0.00	0.01	0.069	O	|	|	|	|	0.14	298.417	0.00	0.01	0.066	O	|	|	|	|	0.14
293.333	0.00	0.01	0.068	O	|	|	|	|	0.14	298.500	0.00	0.01	0.065	O	|	|	|	|	0.14
293.417	0.00	0.01	0.068	O	|	|	|	|	0.14	298.583	0.00	0.01	0.065	O	|	|	|	|	0.14
293.500	0.00	0.01	0.068	O	|	|	|	|	0.14	298.667	0.00	0.01	0.065	O	|	|	|	|	0.14
293.583	0.00	0.01	0.068	O	|	|	|	|	0.14	298.750	0.00	0.01	0.065	O	|	|	|	|	0.14
293.667	0.00	0.01	0.068	O	|	|	|	|	0.14	298.833	0.00	0.01	0.065	O	|	|	|	|	0.14
293.750	0.00	0.01	0.068	O	|	|	|	|	0.14	298.917	0.00	0.01	0.065	O	|	|	|	|	0.14
293.833	0.00	0.01	0.068	O	|	|	|	|	0.14	299.000	0.00	0.01	0.065	O	|	|	|	|	0.14
293.917	0.00	0.01	0.068	O	|	|	|	|	0.14	299.083	0.00	0.01	0.065	O	|	|	|	|	0.14
294.000	0.00	0.01	0.068	O	|	|	|	|	0.14	299.167	0.00	0.01	0.065	O	|	|	|	|	0.14
294.083	0.00	0.01	0.068	O	|	|	|	|	0.14	299.250	0.00	0.01	0.065	O	|	|	|	|	0.14
294.167	0.00	0.01	0.068	O	|	|	|	|	0.14	299.333	0.00	0.01	0.065	O	|	|	|	|	0.14
294.250	0.00	0.01	0.068	O	|	|	|	|	0.14	299.417	0.00	0.01	0.065	O	|	|	|	|	0.14
294.333	0.00	0.01	0.068	O	|	|	|	|	0.14	299.500	0.00	0.01	0.065	O	|	|	|	|	0.14
294.417	0.00	0.01	0.068	O	|	|	|	|	0.14	299.583	0.00	0.01	0.065	O	|	|	|	|	0.14
294.500	0.00	0.01	0.068	O	|	|	|	|	0.14	299.667	0.00	0.01	0.065	O	|	|	|	|	0.14
294.583	0.00	0.01	0.068	O	|	|	|	|	0.14	299.750	0.00	0.01	0.065	O	|	|	|	|	0.14
294.667	0.00	0.01	0.068	O	|	|	|	|	0.14	299.833	0.00	0.01	0.065	O	|	|	|	|	0.14
294.750	0.00	0.01	0.068	O	|	|	|	|	0.14	299.917	0.00	0.01	0.065	O	|	|	|	|	0.14
294.833	0.00	0.01	0.068	O	|	|	|	|	0.14	300.000	0.00	0.01	0.065	O	|	|	|	|	0.14
294.917	0.00	0.01	0.068	O	|	|	|	|	0.14	300.083	0.00	0.01	0.065	O	|	|	|	|	0.14
295.000	0.00	0.01	0.068	O	|	|	|	|	0.14	300.167	0.00	0.01	0.065	O	|	|	|	|	0.14
295.083	0.00	0.01	0.067	O	|	|	|	|	0.14	300.250	0.00	0.01	0.064	O	|	|	|	|	0.14
295.167	0.00	0.01	0.067	O	|	|	|	|	0.14	300.333	0.00	0.01	0.064	O	|	|	|	|	0.14
295.250	0.00	0.01	0.067	O	|	|	|	|	0.14	300.417	0.00	0.01	0.064	O	|	|	|	|	0.14
295.333	0.00	0.01	0.067	O	|	|	|	|	0.14	300.500	0.00	0.01	0.064	O	|	|	|	|	0.14
295.417	0.00	0.01	0.067	O	|	|	|	|	0.14	300.583	0.00	0.01	0.064	O	|	|	|	|	0.14
295.500	0.00	0.01	0.067	O	|	|	|	|	0.14	300.667	0.00	0.01	0.064	O	|	|	|	|	0.14
295.583	0.00	0.01	0.067	O	|	|	|	|	0.14	300.750	0.00	0.01	0.064	O	|	|	|	|	0.14
295.667	0.00	0.01	0.067	O	|	|	|	|	0.14	300.833	0.00	0.01	0.064	O	|	|	|	|	0.14
295.750	0.00	0.01	0.067	O	|	|	|	|	0.14	300.917	0.00	0.01	0.064	O	|	|	|	|	0.14
295.833	0.00	0.01	0.067	O	|	|	|	|	0.14	301.000	0.00	0.01	0.064	O	|	|	|	|	0.14
295.917	0.00	0.01	0.067	O	|	|	|	|	0.14	301.083	0.00	0.01	0.064	O	|	|	|	|	0.14
296.000	0.00	0.01	0.067	O	|	|	|	|	0.14	301.167	0.00	0.01	0.064	O	|	|	|	|	0.13
296.083	0.00	0.01	0.067	O	|	|	|	|	0.14	301.250	0.00	0.01	0.064	O	|	|	|	|	0.13
296.167	0.00	0.01	0.067	O	|	|	|	|	0.14	301.333	0.00	0.01	0.064	O	|	|	|	|	0.13
296.250	0.00	0.01	0.067	O	|	|	|	|	0.14	301.417	0.00	0.01	0.064	O	|	|	|	|	0.13
296.333	0.00	0.01	0.067	O	|	|	|	|	0.14	301.500	0.00	0.01	0.064	O	|	|	|	|	0.13
296.417	0.00	0.01	0.067	O	|	|	|	|	0.14	301.583	0.00	0.01	0.064	O	|	|	|	|	0.13
296.500	0.00	0.01	0.067	O	|	|	|	|	0.14	301.667	0.00	0.01	0.064	O	|	|	|	|	0.13
296.583	0.00	0.01	0.067	O	|	|	|	|	0.14	301.750	0.00	0.01	0.064	O	|	|	|	|	0.13
296.667	0.00	0.01	0.067	O	|	|	|	|	0.14	301.833	0.00	0.01	0.064	O	|	|	|	|	0.13
296.750	0.00	0.01	0.066	O	|	|	|	|	0.14	301.917	0.00	0.01	0.064	O	|	|	|	|	0.13
296.833	0.00	0.01	0.066	O	|	|	|	|	0.14	302.000	0.00	0.01	0.064	O	|	|	|	|	0.13
296.917	0.00	0.01	0.066	O	|	|	|	|	0.14	302.083	0.00	0.01	0.063	O	|	|	|	|	0.13
297.000	0.00	0.01	0.066	O	|	|	|	|	0.14	302.167	0.00	0.01	0.063	O	|	|	|	|	0.13
297.083	0.00	0.01	0.066	O	|	|	|	|	0.14	302.250	0.00	0.01	0.063	O	|	|	|	|	0.13
297.167	0.00	0.01	0.066	O	|	|	|	|	0.14	302.333	0.00	0.01	0.063	O	|	|	|	|	0.13
297.250	0.00	0.01	0.066	O	|	|	|	|	0.14	302.417	0.00	0.01	0.063	O	|	|	|	|	0.13
297.333	0.00	0.01	0.066	O	|	|	|	|	0.14	302.500	0.00	0.01	0.063	O	|	|	|	|	0.13
297.417	0.00	0.01	0.066	O	|	|	|	|	0.14	302.583	0.00	0.01	0.063	O	|	|	|	|	0.13
297.500	0.00	0.01	0.066	O	|	|	|	|	0.14	302.667	0.00	0.01	0.063	O	|	|	|	|	0.13
297.583	0.00	0.01	0.066	O	|	|	|	|	0.14	302.750	0.00	0.01	0.063	O	|	|	|	|	0.13
297.667	0.00	0.01	0.066	O	|	|	|	|	0.14	302.833	0.00	0.01	0.063	O	|	|	|	|	0.13
297.750	0.00	0.01	0.066	O	|	|	|	|	0.14	302.917	0.00	0.01	0.063	O	|	|	|	|	0.13
297.833	0.00	0.01	0.066	O	|	|	|	|	0.14	303.000	0.00	0.01	0.063	O	|	|	|	|	0.13
297.917	0.00	0.01	0.066	O	|	|	|	|	0.14	303.083	0.00	0.01	0.063	O	|	|	|	|	0.13

303.167	0.00	0.01	0.063	O	|	|	|	|	0.13	308.333	0.00	0.01	0.060	O	|	|	|	|	0.13
303.250	0.00	0.01	0.063	O	|	|	|	|	0.13	308.417	0.00	0.01	0.060	O	|	|	|	|	0.13
303.333	0.00	0.01	0.063	O	|	|	|	|	0.13	308.500	0.00	0.01	0.060	O	|	|	|	|	0.13
303.417	0.00	0.01	0.063	O	|	|	|	|	0.13	308.583	0.00	0.01	0.060	O	|	|	|	|	0.13
303.500	0.00	0.01	0.063	O	|	|	|	|	0.13	308.667	0.00	0.01	0.060	O	|	|	|	|	0.13
303.583	0.00	0.01	0.063	O	|	|	|	|	0.13	308.750	0.00	0.01	0.060	O	|	|	|	|	0.13
303.667	0.00	0.01	0.063	O	|	|	|	|	0.13	308.833	0.00	0.01	0.060	O	|	|	|	|	0.13
303.750	0.00	0.01	0.063	O	|	|	|	|	0.13	308.917	0.00	0.01	0.060	O	|	|	|	|	0.13
303.833	0.00	0.01	0.063	O	|	|	|	|	0.13	309.000	0.00	0.01	0.060	O	|	|	|	|	0.13
303.917	0.00	0.01	0.062	O	|	|	|	|	0.13	309.083	0.00	0.01	0.060	O	|	|	|	|	0.13
304.000	0.00	0.01	0.062	O	|	|	|	|	0.13	309.167	0.00	0.01	0.060	O	|	|	|	|	0.13
304.083	0.00	0.01	0.062	O	|	|	|	|	0.13	309.250	0.00	0.01	0.060	O	|	|	|	|	0.13
304.167	0.00	0.01	0.062	O	|	|	|	|	0.13	309.333	0.00	0.01	0.060	O	|	|	|	|	0.13
304.250	0.00	0.01	0.062	O	|	|	|	|	0.13	309.417	0.00	0.01	0.060	O	|	|	|	|	0.13
304.333	0.00	0.01	0.062	O	|	|	|	|	0.13	309.500	0.00	0.01	0.059	O	|	|	|	|	0.13
304.417	0.00	0.01	0.062	O	|	|	|	|	0.13	309.583	0.00	0.01	0.059	O	|	|	|	|	0.13
304.500	0.00	0.01	0.062	O	|	|	|	|	0.13	309.667	0.00	0.01	0.059	O	|	|	|	|	0.13
304.583	0.00	0.01	0.062	O	|	|	|	|	0.13	309.750	0.00	0.01	0.059	O	|	|	|	|	0.13
304.667	0.00	0.01	0.062	O	|	|	|	|	0.13	309.833	0.00	0.01	0.059	O	|	|	|	|	0.13
304.750	0.00	0.01	0.062	O	|	|	|	|	0.13	309.917	0.00	0.01	0.059	O	|	|	|	|	0.13
304.833	0.00	0.01	0.062	O	|	|	|	|	0.13	310.000	0.00	0.01	0.059	O	|	|	|	|	0.12
304.917	0.00	0.01	0.062	O	|	|	|	|	0.13	310.083	0.00	0.01	0.059	O	|	|	|	|	0.12
305.000	0.00	0.01	0.062	O	|	|	|	|	0.13	310.167	0.00	0.01	0.059	O	|	|	|	|	0.12
305.083	0.00	0.01	0.062	O	|	|	|	|	0.13	310.250	0.00	0.01	0.059	O	|	|	|	|	0.12
305.167	0.00	0.01	0.062	O	|	|	|	|	0.13	310.333	0.00	0.01	0.059	O	|	|	|	|	0.12
305.250	0.00	0.01	0.062	O	|	|	|	|	0.13	310.417	0.00	0.01	0.059	O	|	|	|	|	0.12
305.333	0.00	0.01	0.062	O	|	|	|	|	0.13	310.500	0.00	0.01	0.059	O	|	|	|	|	0.12
305.417	0.00	0.01	0.062	O	|	|	|	|	0.13	310.583	0.00	0.01	0.059	O	|	|	|	|	0.12
305.500	0.00	0.01	0.062	O	|	|	|	|	0.13	310.667	0.00	0.01	0.059	O	|	|	|	|	0.12
305.583	0.00	0.01	0.062	O	|	|	|	|	0.13	310.750	0.00	0.01	0.059	O	|	|	|	|	0.12
305.667	0.00	0.01	0.062	O	|	|	|	|	0.13	310.833	0.00	0.01	0.059	O	|	|	|	|	0.12
305.750	0.00	0.01	0.061	O	|	|	|	|	0.13	310.917	0.00	0.01	0.059	O	|	|	|	|	0.12
305.833	0.00	0.01	0.061	O	|	|	|	|	0.13	311.000	0.00	0.01	0.059	O	|	|	|	|	0.12
305.917	0.00	0.01	0.061	O	|	|	|	|	0.13	311.083	0.00	0.01	0.059	O	|	|	|	|	0.12
306.000	0.00	0.01	0.061	O	|	|	|	|	0.13	311.167	0.00	0.01	0.059	O	|	|	|	|	0.12
306.083	0.00	0.01	0.061	O	|	|	|	|	0.13	311.250	0.00	0.01	0.059	O	|	|	|	|	0.12
306.167	0.00	0.01	0.061	O	|	|	|	|	0.13	311.333	0.00	0.01	0.059	O	|	|	|	|	0.12
306.250	0.00	0.01	0.061	O	|	|	|	|	0.13	311.417	0.00	0.01	0.059	O	|	|	|	|	0.12
306.333	0.00	0.01	0.061	O	|	|	|	|	0.13	311.500	0.00	0.01	0.058	O	|	|	|	|	0.12
306.417	0.00	0.01	0.061	O	|	|	|	|	0.13	311.583	0.00	0.01	0.058	O	|	|	|	|	0.12
306.500	0.00	0.01	0.061	O	|	|	|	|	0.13	311.667	0.00	0.01	0.058	O	|	|	|	|	0.12
306.583	0.00	0.01	0.061	O	|	|	|	|	0.13	311.750	0.00	0.01	0.058	O	|	|	|	|	0.12
306.667	0.00	0.01	0.061	O	|	|	|	|	0.13	311.833	0.00	0.01	0.058	O	|	|	|	|	0.12
306.750	0.00	0.01	0.061	O	|	|	|	|	0.13	311.917	0.00	0.01	0.058	O	|	|	|	|	0.12
306.833	0.00	0.01	0.061	O	|	|	|	|	0.13	312.000	0.00	0.01	0.058	O	|	|	|	|	0.12
306.917	0.00	0.01	0.061	O	|	|	|	|	0.13	312.083	0.00	0.01	0.058	O	|	|	|	|	0.12
307.000	0.00	0.01	0.061	O	|	|	|	|	0.13	312.167	0.00	0.01	0.058	O	|	|	|	|	0.12
307.083	0.00	0.01	0.061	O	|	|	|	|	0.13	312.250	0.00	0.01	0.058	O	|	|	|	|	0.12
307.167	0.00	0.01	0.061	O	|	|	|	|	0.13	312.333	0.00	0.01	0.058	O	|	|	|	|	0.12
307.250	0.00	0.01	0.061	O	|	|	|	|	0.13	312.417	0.00	0.01	0.058	O	|	|	|	|	0.12
307.333	0.00	0.01	0.061	O	|	|	|	|	0.13	312.500	0.00	0.01	0.058	O	|	|	|	|	0.12
307.417	0.00	0.01	0.061	O	|	|	|	|	0.13	312.583	0.00	0.01	0.058	O	|	|	|	|	0.12
307.500	0.00	0.01	0.061	O	|	|	|	|	0.13	312.667	0.00	0.01	0.058	O	|	|	|	|	0.12
307.583	0.00	0.01	0.060	O	|	|	|	|	0.13	312.750	0.00	0.01	0.058	O	|	|	|	|	0.12
307.667	0.00	0.01	0.060	O	|	|	|	|	0.13	312.833	0.00	0.01	0.058	O	|	|	|	|	0.12
307.750	0.00	0.01	0.060	O	|	|	|	|	0.13	312.917	0.00	0.01	0.058	O	|	|	|	|	0.12
307.833	0.00	0.01	0.060	O	|	|	|	|	0.13	313.000	0.00	0.01	0.058	O	|	|	|	|	0.12
307.917	0.00	0.01	0.060	O	|	|	|	|	0.13	313.083	0.00	0.01	0.058	O	|	|	|	|	0.12
308.000	0.00	0.01	0.060	O	|	|	|	|	0.13	313.167	0.00	0.01	0.058	O	|	|	|	|	0.12
308.083	0.00	0.01	0.060	O	|	|	|	|	0.13	313.250	0.00	0.01	0.058	O	|	|	|	|	0.12
308.167	0.00	0.01	0.060	O	|	|	|	|	0.13	313.333	0.00	0.01	0.058	O	|	|	|	|	0.12
308.250	0.00	0.01	0.060	O	|	|	|	|	0.13	313.417	0.00	0.01	0.057	O	|	|	|	|	0.12

313.500	0.00	0.01	0.057	O	|	|	|	|	0.12	318.667	0.00	0.01	0.055	O	|	|	|	|	0.12
313.583	0.00	0.01	0.057	O	|	|	|	|	0.12	318.750	0.00	0.01	0.055	O	|	|	|	|	0.12
313.667	0.00	0.01	0.057	O	|	|	|	|	0.12	318.833	0.00	0.01	0.055	O	|	|	|	|	0.12
313.750	0.00	0.01	0.057	O	|	|	|	|	0.12	318.917	0.00	0.01	0.055	O	|	|	|	|	0.12
313.833	0.00	0.01	0.057	O	|	|	|	|	0.12	319.000	0.00	0.01	0.055	O	|	|	|	|	0.12
313.917	0.00	0.01	0.057	O	|	|	|	|	0.12	319.083	0.00	0.01	0.055	O	|	|	|	|	0.12
314.000	0.00	0.01	0.057	O	|	|	|	|	0.12	319.167	0.00	0.01	0.055	O	|	|	|	|	0.12
314.083	0.00	0.01	0.057	O	|	|	|	|	0.12	319.250	0.00	0.01	0.055	O	|	|	|	|	0.12
314.167	0.00	0.01	0.057	O	|	|	|	|	0.12	319.333	0.00	0.01	0.055	O	|	|	|	|	0.12
314.250	0.00	0.01	0.057	O	|	|	|	|	0.12	319.417	0.00	0.01	0.055	O	|	|	|	|	0.12
314.333	0.00	0.01	0.057	O	|	|	|	|	0.12	319.500	0.00	0.01	0.055	O	|	|	|	|	0.12
314.417	0.00	0.01	0.057	O	|	|	|	|	0.12	319.583	0.00	0.01	0.054	O	|	|	|	|	0.11
314.500	0.00	0.01	0.057	O	|	|	|	|	0.12	319.667	0.00	0.01	0.054	O	|	|	|	|	0.11
314.583	0.00	0.01	0.057	O	|	|	|	|	0.12	319.750	0.00	0.01	0.054	O	|	|	|	|	0.11
314.667	0.00	0.01	0.057	O	|	|	|	|	0.12	319.833	0.00	0.01	0.054	O	|	|	|	|	0.11
314.750	0.00	0.01	0.057	O	|	|	|	|	0.12	319.917	0.00	0.01	0.054	O	|	|	|	|	0.11
314.833	0.00	0.01	0.057	O	|	|	|	|	0.12	320.000	0.00	0.01	0.054	O	|	|	|	|	0.11
314.917	0.00	0.01	0.057	O	|	|	|	|	0.12	320.083	0.00	0.01	0.054	O	|	|	|	|	0.11
315.000	0.00	0.01	0.057	O	|	|	|	|	0.12	320.167	0.00	0.01	0.054	O	|	|	|	|	0.11
315.083	0.00	0.01	0.057	O	|	|	|	|	0.12	320.250	0.00	0.01	0.054	O	|	|	|	|	0.11
315.167	0.00	0.01	0.057	O	|	|	|	|	0.12	320.333	0.00	0.01	0.054	O	|	|	|	|	0.11
315.250	0.00	0.01	0.057	O	|	|	|	|	0.12	320.417	0.00	0.01	0.054	O	|	|	|	|	0.11
315.333	0.00	0.01	0.057	O	|	|	|	|	0.12	320.500	0.00	0.01	0.054	O	|	|	|	|	0.11
315.417	0.00	0.01	0.057	O	|	|	|	|	0.12	320.583	0.00	0.01	0.054	O	|	|	|	|	0.11
315.500	0.00	0.01	0.056	O	|	|	|	|	0.12	320.667	0.00	0.01	0.054	O	|	|	|	|	0.11
315.583	0.00	0.01	0.056	O	|	|	|	|	0.12	320.750	0.00	0.01	0.054	O	|	|	|	|	0.11
315.667	0.00	0.01	0.056	O	|	|	|	|	0.12	320.833	0.00	0.01	0.054	O	|	|	|	|	0.11
315.750	0.00	0.01	0.056	O	|	|	|	|	0.12	320.917	0.00	0.01	0.054	O	|	|	|	|	0.11
315.833	0.00	0.01	0.056	O	|	|	|	|	0.12	321.000	0.00	0.01	0.054	O	|	|	|	|	0.11
315.917	0.00	0.01	0.056	O	|	|	|	|	0.12	321.083	0.00	0.01	0.054	O	|	|	|	|	0.11
316.000	0.00	0.01	0.056	O	|	|	|	|	0.12	321.167	0.00	0.01	0.054	O	|	|	|	|	0.11
316.083	0.00	0.01	0.056	O	|	|	|	|	0.12	321.250	0.00	0.01	0.054	O	|	|	|	|	0.11
316.167	0.00	0.01	0.056	O	|	|	|	|	0.12	321.333	0.00	0.01	0.054	O	|	|	|	|	0.11
316.250	0.00	0.01	0.056	O	|	|	|	|	0.12	321.417	0.00	0.01	0.054	O	|	|	|	|	0.11
316.333	0.00	0.01	0.056	O	|	|	|	|	0.12	321.500	0.00	0.01	0.054	O	|	|	|	|	0.11
316.417	0.00	0.01	0.056	O	|	|	|	|	0.12	321.583	0.00	0.01	0.054	O	|	|	|	|	0.11
316.500	0.00	0.01	0.056	O	|	|	|	|	0.12	321.667	0.00	0.01	0.054	O	|	|	|	|	0.11
316.583	0.00	0.01	0.056	O	|	|	|	|	0.12	321.750	0.00	0.01	0.053	O	|	|	|	|	0.11
316.667	0.00	0.01	0.056	O	|	|	|	|	0.12	321.833	0.00	0.01	0.053	O	|	|	|	|	0.11
316.750	0.00	0.01	0.056	O	|	|	|	|	0.12	321.917	0.00	0.01	0.053	O	|	|	|	|	0.11
316.833	0.00	0.01	0.056	O	|	|	|	|	0.12	322.000	0.00	0.01	0.053	O	|	|	|	|	0.11
316.917	0.00	0.01	0.056	O	|	|	|	|	0.12	322.083	0.00	0.01	0.053	O	|	|	|	|	0.11
317.000	0.00	0.01	0.056	O	|	|	|	|	0.12	322.167	0.00	0.01	0.053	O	|	|	|	|	0.11
317.083	0.00	0.01	0.056	O	|	|	|	|	0.12	322.250	0.00	0.01	0.053	O	|	|	|	|	0.11
317.167	0.00	0.01	0.056	O	|	|	|	|	0.12	322.333	0.00	0.01	0.053	O	|	|	|	|	0.11
317.250	0.00	0.01	0.056	O	|	|	|	|	0.12	322.417	0.00	0.01	0.053	O	|	|	|	|	0.11
317.333	0.00	0.01	0.056	O	|	|	|	|	0.12	322.500	0.00	0.01	0.053	O	|	|	|	|	0.11
317.417	0.00	0.01	0.056	O	|	|	|	|	0.12	322.583	0.00	0.01	0.053	O	|	|	|	|	0.11
317.500	0.00	0.01	0.055	O	|	|	|	|	0.12	322.667	0.00	0.01	0.053	O	|	|	|	|	0.11
317.583	0.00	0.01	0.055	O	|	|	|	|	0.12	322.750	0.00	0.01	0.053	O	|	|	|	|	0.11
317.667	0.00	0.01	0.055	O	|	|	|	|	0.12	322.833	0.00	0.01	0.053	O	|	|	|	|	0.11
317.750	0.00	0.01	0.055	O	|	|	|	|	0.12	322.917	0.00	0.01	0.053	O	|	|	|	|	0.11
317.833	0.00	0.01	0.055	O	|	|	|	|	0.12	323.000	0.00	0.01	0.053	O	|	|	|	|	0.11
317.917	0.00	0.01	0.055	O	|	|	|	|	0.12	323.083	0.00	0.01	0.053	O	|	|	|	|	0.11
318.000	0.00	0.01	0.055	O	|	|	|	|	0.12	323.167	0.00	0.01	0.053	O	|	|	|	|	0.11
318.083	0.00	0.01	0.055	O	|	|	|	|	0.12	323.250	0.00	0.01	0.053	O	|	|	|	|	0.11
318.167	0.00	0.01	0.055	O	|	|	|	|	0.12	323.333	0.00	0.01	0.053	O	|	|	|	|	0.11
318.250	0.00	0.01	0.055	O	|	|	|	|	0.12	323.417	0.00	0.01	0.053	O	|	|	|	|	0.11
318.333	0.00	0.01	0.055	O	|	|	|	|	0.12	323.500	0.00	0.01	0.053	O	|	|	|	|	0.11
318.417	0.00	0.01	0.055	O	|	|	|	|	0.12	323.583	0.00	0.01	0.053	O	|	|	|	|	0.11
318.500	0.00	0.01	0.055	O	|	|	|	|	0.12	323.667	0.00	0.01	0.053	O	|	|	|	|	0.11
318.583	0.00	0.01	0.055	O	|	|	|	|	0.12	323.750	0.00	0.01	0.053	O	|	|	|	|	0.11

323.833	0.00	0.01	0.053	O	|	|	|	|	0.11	329.000	0.00	0.01	0.050	O	|	|	|	|	0.11
323.917	0.00	0.01	0.052	O	|	|	|	|	0.11	329.083	0.00	0.01	0.050	O	|	|	|	|	0.11
324.000	0.00	0.01	0.052	O	|	|	|	|	0.11	329.167	0.00	0.01	0.050	O	|	|	|	|	0.11
324.083	0.00	0.01	0.052	O	|	|	|	|	0.11	329.250	0.00	0.01	0.050	O	|	|	|	|	0.11
324.167	0.00	0.01	0.052	O	|	|	|	|	0.11	329.333	0.00	0.01	0.050	O	|	|	|	|	0.11
324.250	0.00	0.01	0.052	O	|	|	|	|	0.11	329.417	0.00	0.01	0.050	O	|	|	|	|	0.11
324.333	0.00	0.01	0.052	O	|	|	|	|	0.11	329.500	0.00	0.01	0.050	O	|	|	|	|	0.11
324.417	0.00	0.01	0.052	O	|	|	|	|	0.11	329.583	0.00	0.01	0.050	O	|	|	|	|	0.11
324.500	0.00	0.01	0.052	O	|	|	|	|	0.11	329.667	0.00	0.01	0.050	O	|	|	|	|	0.11
324.583	0.00	0.01	0.052	O	|	|	|	|	0.11	329.750	0.00	0.01	0.050	O	|	|	|	|	0.11
324.667	0.00	0.01	0.052	O	|	|	|	|	0.11	329.833	0.00	0.01	0.050	O	|	|	|	|	0.11
324.750	0.00	0.01	0.052	O	|	|	|	|	0.11	329.917	0.00	0.01	0.050	O	|	|	|	|	0.11
324.833	0.00	0.01	0.052	O	|	|	|	|	0.11	330.000	0.00	0.01	0.050	O	|	|	|	|	0.10
324.917	0.00	0.01	0.052	O	|	|	|	|	0.11	330.083	0.00	0.01	0.050	O	|	|	|	|	0.10
325.000	0.00	0.01	0.052	O	|	|	|	|	0.11	330.167	0.00	0.01	0.050	O	|	|	|	|	0.10
325.083	0.00	0.01	0.052	O	|	|	|	|	0.11	330.250	0.00	0.01	0.050	O	|	|	|	|	0.10
325.167	0.00	0.01	0.052	O	|	|	|	|	0.11	330.333	0.00	0.01	0.050	O	|	|	|	|	0.10
325.250	0.00	0.01	0.052	O	|	|	|	|	0.11	330.417	0.00	0.01	0.050	O	|	|	|	|	0.10
325.333	0.00	0.01	0.052	O	|	|	|	|	0.11	330.500	0.00	0.01	0.050	O	|	|	|	|	0.10
325.417	0.00	0.01	0.052	O	|	|	|	|	0.11	330.583	0.00	0.01	0.050	O	|	|	|	|	0.10
325.500	0.00	0.01	0.052	O	|	|	|	|	0.11	330.667	0.00	0.01	0.049	O	|	|	|	|	0.10
325.583	0.00	0.01	0.052	O	|	|	|	|	0.11	330.750	0.00	0.01	0.049	O	|	|	|	|	0.10
325.667	0.00	0.01	0.052	O	|	|	|	|	0.11	330.833	0.00	0.01	0.049	O	|	|	|	|	0.10
325.750	0.00	0.01	0.052	O	|	|	|	|	0.11	330.917	0.00	0.01	0.049	O	|	|	|	|	0.10
325.833	0.00	0.01	0.052	O	|	|	|	|	0.11	331.000	0.00	0.01	0.049	O	|	|	|	|	0.10
325.917	0.00	0.01	0.052	O	|	|	|	|	0.11	331.083	0.00	0.01	0.049	O	|	|	|	|	0.10
326.000	0.00	0.01	0.052	O	|	|	|	|	0.11	331.167	0.00	0.01	0.049	O	|	|	|	|	0.10
326.083	0.00	0.01	0.051	O	|	|	|	|	0.11	331.250	0.00	0.01	0.049	O	|	|	|	|	0.10
326.167	0.00	0.01	0.051	O	|	|	|	|	0.11	331.333	0.00	0.01	0.049	O	|	|	|	|	0.10
326.250	0.00	0.01	0.051	O	|	|	|	|	0.11	331.417	0.00	0.01	0.049	O	|	|	|	|	0.10
326.333	0.00	0.01	0.051	O	|	|	|	|	0.11	331.500	0.00	0.01	0.049	O	|	|	|	|	0.10
326.417	0.00	0.01	0.051	O	|	|	|	|	0.11	331.583	0.00	0.01	0.049	O	|	|	|	|	0.10
326.500	0.00	0.01	0.051	O	|	|	|	|	0.11	331.667	0.00	0.01	0.049	O	|	|	|	|	0.10
326.583	0.00	0.01	0.051	O	|	|	|	|	0.11	331.750	0.00	0.01	0.049	O	|	|	|	|	0.10
326.667	0.00	0.01	0.051	O	|	|	|	|	0.11	331.833	0.00	0.01	0.049	O	|	|	|	|	0.10
326.750	0.00	0.01	0.051	O	|	|	|	|	0.11	331.917	0.00	0.01	0.049	O	|	|	|	|	0.10
326.833	0.00	0.01	0.051	O	|	|	|	|	0.11	332.000	0.00	0.01	0.049	O	|	|	|	|	0.10
326.917	0.00	0.01	0.051	O	|	|	|	|	0.11	332.083	0.00	0.01	0.049	O	|	|	|	|	0.10
327.000	0.00	0.01	0.051	O	|	|	|	|	0.11	332.167	0.00	0.01	0.049	O	|	|	|	|	0.10
327.083	0.00	0.01	0.051	O	|	|	|	|	0.11	332.250	0.00	0.01	0.049	O	|	|	|	|	0.10
327.167	0.00	0.01	0.051	O	|	|	|	|	0.11	332.333	0.00	0.01	0.049	O	|	|	|	|	0.10
327.250	0.00	0.01	0.051	O	|	|	|	|	0.11	332.417	0.00	0.01	0.049	O	|	|	|	|	0.10
327.333	0.00	0.01	0.051	O	|	|	|	|	0.11	332.500	0.00	0.01	0.049	O	|	|	|	|	0.10
327.417	0.00	0.01	0.051	O	|	|	|	|	0.11	332.583	0.00	0.01	0.049	O	|	|	|	|	0.10
327.500	0.00	0.01	0.051	O	|	|	|	|	0.11	332.667	0.00	0.01	0.049	O	|	|	|	|	0.10
327.583	0.00	0.01	0.051	O	|	|	|	|	0.11	332.750	0.00	0.01	0.049	O	|	|	|	|	0.10
327.667	0.00	0.01	0.051	O	|	|	|	|	0.11	332.833	0.00	0.01	0.049	O	|	|	|	|	0.10
327.750	0.00	0.01	0.051	O	|	|	|	|	0.11	332.917	0.00	0.01	0.049	O	|	|	|	|	0.10
327.833	0.00	0.01	0.051	O	|	|	|	|	0.11	333.000	0.00	0.01	0.048	O	|	|	|	|	0.10
327.917	0.00	0.01	0.051	O	|	|	|	|	0.11	333.083	0.00	0.01	0.048	O	|	|	|	|	0.10
328.000	0.00	0.01	0.051	O	|	|	|	|	0.11	333.167	0.00	0.01	0.048	O	|	|	|	|	0.10
328.083	0.00	0.01	0.051	O	|	|	|	|	0.11	333.250	0.00	0.01	0.048	O	|	|	|	|	0.10
328.167	0.00	0.01	0.051	O	|	|	|	|	0.11	333.333	0.00	0.01	0.048	O	|	|	|	|	0.10
328.250	0.00	0.01	0.051	O	|	|	|	|	0.11	333.417	0.00	0.01	0.048	O	|	|	|	|	0.10
328.333	0.00	0.01	0.050	O	|	|	|	|	0.11	333.500	0.00	0.01	0.048	O	|	|	|	|	0.10
328.417	0.00	0.01	0.050	O	|	|	|	|	0.11	333.583	0.00	0.01	0.048	O	|	|	|	|	0.10
328.500	0.00	0.01	0.050	O	|	|	|	|	0.11	333.667	0.00	0.01	0.048	O	|	|	|	|	0.10
328.583	0.00	0.01	0.050	O	|	|	|	|	0.11	333.750	0.00	0.01	0.048	O	|	|	|	|	0.10
328.667	0.00	0.01	0.050	O	|	|	|	|	0.11	333.833	0.00	0.01	0.048	O	|	|	|	|	0.10
328.750	0.00	0.01	0.050	O	|	|	|	|	0.11	333.917	0.00	0.01	0.048	O	|	|	|	|	0.10
328.833	0.00	0.01	0.050	O	|	|	|	|	0.11	334.000	0.00	0.01	0.048	O	|	|	|	|	0.10
328.917	0.00	0.01	0.050	O	|	|	|	|	0.11	334.083	0.00	0.01	0.048	O	|	|	|	|	0.10

334.167	0.00	0.01	0.048	O	|	|	|	|	0.10	339.333	0.00	0.00	0.046	O	|	|	|	|	0.10
334.250	0.00	0.01	0.048	O	|	|	|	|	0.10	339.417	0.00	0.00	0.046	O	|	|	|	|	0.10
334.333	0.00	0.01	0.048	O	|	|	|	|	0.10	339.500	0.00	0.00	0.046	O	|	|	|	|	0.10
334.417	0.00	0.01	0.048	O	|	|	|	|	0.10	339.583	0.00	0.00	0.046	O	|	|	|	|	0.10
334.500	0.00	0.01	0.048	O	|	|	|	|	0.10	339.667	0.00	0.00	0.046	O	|	|	|	|	0.10
334.583	0.00	0.01	0.048	O	|	|	|	|	0.10	339.750	0.00	0.00	0.046	O	|	|	|	|	0.10
334.667	0.00	0.01	0.048	O	|	|	|	|	0.10	339.833	0.00	0.00	0.046	O	|	|	|	|	0.10
334.750	0.00	0.01	0.048	O	|	|	|	|	0.10	339.917	0.00	0.00	0.046	O	|	|	|	|	0.10
334.833	0.00	0.01	0.048	O	|	|	|	|	0.10	340.000	0.00	0.00	0.046	O	|	|	|	|	0.10
334.917	0.00	0.01	0.048	O	|	|	|	|	0.10	340.083	0.00	0.00	0.046	O	|	|	|	|	0.10
335.000	0.00	0.01	0.048	O	|	|	|	|	0.10	340.167	0.00	0.00	0.046	O	|	|	|	|	0.10
335.083	0.00	0.01	0.048	O	|	|	|	|	0.10	340.250	0.00	0.00	0.046	O	|	|	|	|	0.10
335.167	0.00	0.01	0.048	O	|	|	|	|	0.10	340.333	0.00	0.00	0.045	O	|	|	|	|	0.10
335.250	0.00	0.01	0.048	O	|	|	|	|	0.10	340.417	0.00	0.00	0.045	O	|	|	|	|	0.10
335.333	0.00	0.01	0.047	O	|	|	|	|	0.10	340.500	0.00	0.00	0.045	O	|	|	|	|	0.10
335.417	0.00	0.01	0.047	O	|	|	|	|	0.10	340.583	0.00	0.00	0.045	O	|	|	|	|	0.10
335.500	0.00	0.01	0.047	O	|	|	|	|	0.10	340.667	0.00	0.00	0.045	O	|	|	|	|	0.10
335.583	0.00	0.00	0.047	O	|	|	|	|	0.10	340.750	0.00	0.00	0.045	O	|	|	|	|	0.10
335.667	0.00	0.00	0.047	O	|	|	|	|	0.10	340.833	0.00	0.00	0.045	O	|	|	|	|	0.10
335.750	0.00	0.00	0.047	O	|	|	|	|	0.10	340.917	0.00	0.00	0.045	O	|	|	|	|	0.10
335.833	0.00	0.00	0.047	O	|	|	|	|	0.10	341.000	0.00	0.00	0.045	O	|	|	|	|	0.10
335.917	0.00	0.00	0.047	O	|	|	|	|	0.10	341.083	0.00	0.00	0.045	O	|	|	|	|	0.10
336.000	0.00	0.00	0.047	O	|	|	|	|	0.10	341.167	0.00	0.00	0.045	O	|	|	|	|	0.10
336.083	0.00	0.00	0.047	O	|	|	|	|	0.10	341.250	0.00	0.00	0.045	O	|	|	|	|	0.10
336.167	0.00	0.00	0.047	O	|	|	|	|	0.10	341.333	0.00	0.00	0.045	O	|	|	|	|	0.10
336.250	0.00	0.00	0.047	O	|	|	|	|	0.10	341.417	0.00	0.00	0.045	O	|	|	|	|	0.10
336.333	0.00	0.00	0.047	O	|	|	|	|	0.10	341.500	0.00	0.00	0.045	O	|	|	|	|	0.09
336.417	0.00	0.00	0.047	O	|	|	|	|	0.10	341.583	0.00	0.00	0.045	O	|	|	|	|	0.09
336.500	0.00	0.00	0.047	O	|	|	|	|	0.10	341.667	0.00	0.00	0.045	O	|	|	|	|	0.09
336.583	0.00	0.00	0.047	O	|	|	|	|	0.10	341.750	0.00	0.00	0.045	O	|	|	|	|	0.09
336.667	0.00	0.00	0.047	O	|	|	|	|	0.10	341.833	0.00	0.00	0.045	O	|	|	|	|	0.09
336.750	0.00	0.00	0.047	O	|	|	|	|	0.10	341.917	0.00	0.00	0.045	O	|	|	|	|	0.09
336.833	0.00	0.00	0.047	O	|	|	|	|	0.10	342.000	0.00	0.00	0.045	O	|	|	|	|	0.09
336.917	0.00	0.00	0.047	O	|	|	|	|	0.10	342.083	0.00	0.00	0.045	O	|	|	|	|	0.09
337.000	0.00	0.00	0.047	O	|	|	|	|	0.10	342.167	0.00	0.00	0.045	O	|	|	|	|	0.09
337.083	0.00	0.00	0.047	O	|	|	|	|	0.10	342.250	0.00	0.00	0.045	O	|	|	|	|	0.09
337.167	0.00	0.00	0.047	O	|	|	|	|	0.10	342.333	0.00	0.00	0.045	O	|	|	|	|	0.09
337.250	0.00	0.00	0.047	O	|	|	|	|	0.10	342.417	0.00	0.00	0.045	O	|	|	|	|	0.09
337.333	0.00	0.00	0.047	O	|	|	|	|	0.10	342.500	0.00	0.00	0.045	O	|	|	|	|	0.09
337.417	0.00	0.00	0.047	O	|	|	|	|	0.10	342.583	0.00	0.00	0.045	O	|	|	|	|	0.09
337.500	0.00	0.00	0.047	O	|	|	|	|	0.10	342.667	0.00	0.00	0.045	O	|	|	|	|	0.09
337.583	0.00	0.00	0.047	O	|	|	|	|	0.10	342.750	0.00	0.00	0.045	O	|	|	|	|	0.09
337.667	0.00	0.00	0.047	O	|	|	|	|	0.10	342.833	0.00	0.00	0.044	O	|	|	|	|	0.09
337.750	0.00	0.00	0.047	O	|	|	|	|	0.10	342.917	0.00	0.00	0.044	O	|	|	|	|	0.09
337.833	0.00	0.00	0.046	O	|	|	|	|	0.10	343.000	0.00	0.00	0.044	O	|	|	|	|	0.09
337.917	0.00	0.00	0.046	O	|	|	|	|	0.10	343.083	0.00	0.00	0.044	O	|	|	|	|	0.09
338.000	0.00	0.00	0.046	O	|	|	|	|	0.10	343.167	0.00	0.00	0.044	O	|	|	|	|	0.09
338.083	0.00	0.00	0.046	O	|	|	|	|	0.10	343.250	0.00	0.00	0.044	O	|	|	|	|	0.09
338.167	0.00	0.00	0.046	O	|	|	|	|	0.10	343.333	0.00	0.00	0.044	O	|	|	|	|	0.09
338.250	0.00	0.00	0.046	O	|	|	|	|	0.10	343.417	0.00	0.00	0.044	O	|	|	|	|	0.09
338.333	0.00	0.00	0.046	O	|	|	|	|	0.10	343.500	0.00	0.00	0.044	O	|	|	|	|	0.09
338.417	0.00	0.00	0.046	O	|	|	|	|	0.10	343.583	0.00	0.00	0.044	O	|	|	|	|	0.09
338.500	0.00	0.00	0.046	O	|	|	|	|	0.10	343.667	0.00	0.00	0.044	O	|	|	|	|	0.09
338.583	0.00	0.00	0.046	O	|	|	|	|	0.10	343.750	0.00	0.00	0.044	O	|	|	|	|	0.09
338.667	0.00	0.00	0.046	O	|	|	|	|	0.10	343.833	0.00	0.00	0.044	O	|	|	|	|	0.09
338.750	0.00	0.00	0.046	O	|	|	|	|	0.10	343.917	0.00	0.00	0.044	O	|	|	|	|	0.09
338.833	0.00	0.00	0.046	O	|	|	|	|	0.10	344.000	0.00	0.00	0.044	O	|	|	|	|	0.09
338.917	0.00	0.00	0.046	O	|	|	|	|	0.10	344.083	0.00	0.00	0.044	O	|	|	|	|	0.09
339.000	0.00	0.00	0.046	O	|	|	|	|	0.10	344.167	0.00	0.00	0.044	O	|	|	|	|	0.09
339.083	0.00	0.00	0.046	O	|	|	|	|	0.10	344.250	0.00	0.00	0.044	O	|	|	|	|	0.09
339.167	0.00	0.00	0.046	O	|	|	|	|	0.10	344.333	0.00	0.00	0.044	O	|	|	|	|	0.09
339.250	0.00	0.00	0.046	O	|	|	|	|	0.10	344.417	0.00	0.00	0.044	O	|	|	|	|	0.09

344.500	0.00	0.00	0.044	O	|	|	|	|	0.09	349.667	0.00	0.00	0.042	O	|	|	|	|	0.09
344.583	0.00	0.00	0.044	O	|	|	|	|	0.09	349.750	0.00	0.00	0.042	O	|	|	|	|	0.09
344.667	0.00	0.00	0.044	O	|	|	|	|	0.09	349.833	0.00	0.00	0.042	O	|	|	|	|	0.09
344.750	0.00	0.00	0.044	O	|	|	|	|	0.09	349.917	0.00	0.00	0.042	O	|	|	|	|	0.09
344.833	0.00	0.00	0.044	O	|	|	|	|	0.09	350.000	0.00	0.00	0.042	O	|	|	|	|	0.09
344.917	0.00	0.00	0.044	O	|	|	|	|	0.09	350.083	0.00	0.00	0.042	O	|	|	|	|	0.09
345.000	0.00	0.00	0.044	O	|	|	|	|	0.09	350.167	0.00	0.00	0.042	O	|	|	|	|	0.09
345.083	0.00	0.00	0.044	O	|	|	|	|	0.09	350.250	0.00	0.00	0.042	O	|	|	|	|	0.09
345.167	0.00	0.00	0.044	O	|	|	|	|	0.09	350.333	0.00	0.00	0.042	O	|	|	|	|	0.09
345.250	0.00	0.00	0.044	O	|	|	|	|	0.09	350.417	0.00	0.00	0.042	O	|	|	|	|	0.09
345.333	0.00	0.00	0.044	O	|	|	|	|	0.09	350.500	0.00	0.00	0.042	O	|	|	|	|	0.09
345.417	0.00	0.00	0.044	O	|	|	|	|	0.09	350.583	0.00	0.00	0.042	O	|	|	|	|	0.09
345.500	0.00	0.00	0.043	O	|	|	|	|	0.09	350.667	0.00	0.00	0.042	O	|	|	|	|	0.09
345.583	0.00	0.00	0.043	O	|	|	|	|	0.09	350.750	0.00	0.00	0.042	O	|	|	|	|	0.09
345.667	0.00	0.00	0.043	O	|	|	|	|	0.09	350.833	0.00	0.00	0.041	O	|	|	|	|	0.09
345.750	0.00	0.00	0.043	O	|	|	|	|	0.09	350.917	0.00	0.00	0.041	O	|	|	|	|	0.09
345.833	0.00	0.00	0.043	O	|	|	|	|	0.09	351.000	0.00	0.00	0.041	O	|	|	|	|	0.09
345.917	0.00	0.00	0.043	O	|	|	|	|	0.09	351.083	0.00	0.00	0.041	O	|	|	|	|	0.09
346.000	0.00	0.00	0.043	O	|	|	|	|	0.09	351.167	0.00	0.00	0.041	O	|	|	|	|	0.09
346.083	0.00	0.00	0.043	O	|	|	|	|	0.09	351.250	0.00	0.00	0.041	O	|	|	|	|	0.09
346.167	0.00	0.00	0.043	O	|	|	|	|	0.09	351.333	0.00	0.00	0.041	O	|	|	|	|	0.09
346.250	0.00	0.00	0.043	O	|	|	|	|	0.09	351.417	0.00	0.00	0.041	O	|	|	|	|	0.09
346.333	0.00	0.00	0.043	O	|	|	|	|	0.09	351.500	0.00	0.00	0.041	O	|	|	|	|	0.09
346.417	0.00	0.00	0.043	O	|	|	|	|	0.09	351.583	0.00	0.00	0.041	O	|	|	|	|	0.09
346.500	0.00	0.00	0.043	O	|	|	|	|	0.09	351.667	0.00	0.00	0.041	O	|	|	|	|	0.09
346.583	0.00	0.00	0.043	O	|	|	|	|	0.09	351.750	0.00	0.00	0.041	O	|	|	|	|	0.09
346.667	0.00	0.00	0.043	O	|	|	|	|	0.09	351.833	0.00	0.00	0.041	O	|	|	|	|	0.09
346.750	0.00	0.00	0.043	O	|	|	|	|	0.09	351.917	0.00	0.00	0.041	O	|	|	|	|	0.09
346.833	0.00	0.00	0.043	O	|	|	|	|	0.09	352.000	0.00	0.00	0.041	O	|	|	|	|	0.09
346.917	0.00	0.00	0.043	O	|	|	|	|	0.09	352.083	0.00	0.00	0.041	O	|	|	|	|	0.09
347.000	0.00	0.00	0.043	O	|	|	|	|	0.09	352.167	0.00	0.00	0.041	O	|	|	|	|	0.09
347.083	0.00	0.00	0.043	O	|	|	|	|	0.09	352.250	0.00	0.00	0.041	O	|	|	|	|	0.09
347.167	0.00	0.00	0.043	O	|	|	|	|	0.09	352.333	0.00	0.00	0.041	O	|	|	|	|	0.09
347.250	0.00	0.00	0.043	O	|	|	|	|	0.09	352.417	0.00	0.00	0.041	O	|	|	|	|	0.09
347.333	0.00	0.00	0.043	O	|	|	|	|	0.09	352.500	0.00	0.00	0.041	O	|	|	|	|	0.09
347.417	0.00	0.00	0.043	O	|	|	|	|	0.09	352.583	0.00	0.00	0.041	O	|	|	|	|	0.09
347.500	0.00	0.00	0.043	O	|	|	|	|	0.09	352.667	0.00	0.00	0.041	O	|	|	|	|	0.09
347.583	0.00	0.00	0.043	O	|	|	|	|	0.09	352.750	0.00	0.00	0.041	O	|	|	|	|	0.09
347.667	0.00	0.00	0.043	O	|	|	|	|	0.09	352.833	0.00	0.00	0.041	O	|	|	|	|	0.09
347.750	0.00	0.00	0.043	O	|	|	|	|	0.09	352.917	0.00	0.00	0.041	O	|	|	|	|	0.09
347.833	0.00	0.00	0.043	O	|	|	|	|	0.09	353.000	0.00	0.00	0.041	O	|	|	|	|	0.09
347.917	0.00	0.00	0.043	O	|	|	|	|	0.09	353.083	0.00	0.00	0.041	O	|	|	|	|	0.09
348.000	0.00	0.00	0.043	O	|	|	|	|	0.09	353.167	0.00	0.00	0.041	O	|	|	|	|	0.09
348.083	0.00	0.00	0.043	O	|	|	|	|	0.09	353.250	0.00	0.00	0.041	O	|	|	|	|	0.09
348.167	0.00	0.00	0.042	O	|	|	|	|	0.09	353.333	0.00	0.00	0.041	O	|	|	|	|	0.09
348.250	0.00	0.00	0.042	O	|	|	|	|	0.09	353.417	0.00	0.00	0.041	O	|	|	|	|	0.09
348.333	0.00	0.00	0.042	O	|	|	|	|	0.09	353.500	0.00	0.00	0.041	O	|	|	|	|	0.09
348.417	0.00	0.00	0.042	O	|	|	|	|	0.09	353.583	0.00	0.00	0.041	O	|	|	|	|	0.09
348.500	0.00	0.00	0.042	O	|	|	|	|	0.09	353.667	0.00	0.00	0.040	O	|	|	|	|	0.09
348.583	0.00	0.00	0.042	O	|	|	|	|	0.09	353.750	0.00	0.00	0.040	O	|	|	|	|	0.09
348.667	0.00	0.00	0.042	O	|	|	|	|	0.09	353.833	0.00	0.00	0.040	O	|	|	|	|	0.09
348.750	0.00	0.00	0.042	O	|	|	|	|	0.09	353.917	0.00	0.00	0.040	O	|	|	|	|	0.09
348.833	0.00	0.00	0.042	O	|	|	|	|	0.09	354.000	0.00	0.00	0.040	O	|	|	|	|	0.09
348.917	0.00	0.00	0.042	O	|	|	|	|	0.09	354.083	0.00	0.00	0.040	O	|	|	|	|	0.09
349.000	0.00	0.00	0.042	O	|	|	|	|	0.09	354.167	0.00	0.00	0.040	O	|	|	|	|	0.09
349.083	0.00	0.00	0.042	O	|	|	|	|	0.09	354.250	0.00	0.00	0.040	O	|	|	|	|	0.08
349.167	0.00	0.00	0.042	O	|	|	|	|	0.09	354.333	0.00	0.00	0.040	O	|	|	|	|	0.08
349.250	0.00	0.00	0.042	O	|	|	|	|	0.09	354.417	0.00	0.00	0.040	O	|	|	|	|	0.08
349.333	0.00	0.00	0.042	O	|	|	|	|	0.09	354.500	0.00	0.00	0.040	O	|	|	|	|	0.08
349.417	0.00	0.00	0.042	O	|	|	|	|	0.09	354.583	0.00	0.00	0.040	O	|	|	|	|	0.08
349.500	0.00	0.00	0.042	O	|	|	|	|	0.09	354.667	0.00	0.00	0.040	O	|	|	|	|	0.08
349.583	0.00	0.00	0.042	O	|	|	|	|	0.09	354.750	0.00	0.00	0.040	O	|	|	|	|	0.08

354.833	0.00	0.00	0.040	O	|	|	|	|	0.08	360.000	0.00	0.00	0.038	O	|	|	|	|	0.08
354.917	0.00	0.00	0.040	O	|	|	|	|	0.08	360.083	0.00	0.00	0.038	O	|	|	|	|	0.08
355.000	0.00	0.00	0.040	O	|	|	|	|	0.08	360.167	0.00	0.00	0.038	O	|	|	|	|	0.08
355.083	0.00	0.00	0.040	O	|	|	|	|	0.08	360.250	0.00	0.00	0.038	O	|	|	|	|	0.08
355.167	0.00	0.00	0.040	O	|	|	|	|	0.08	360.333	0.00	0.00	0.038	O	|	|	|	|	0.08
355.250	0.00	0.00	0.040	O	|	|	|	|	0.08	360.417	0.00	0.00	0.038	O	|	|	|	|	0.08
355.333	0.00	0.00	0.040	O	|	|	|	|	0.08	360.500	0.00	0.00	0.038	O	|	|	|	|	0.08
355.417	0.00	0.00	0.040	O	|	|	|	|	0.08	360.583	0.00	0.00	0.038	O	|	|	|	|	0.08
355.500	0.00	0.00	0.040	O	|	|	|	|	0.08	360.667	0.00	0.00	0.038	O	|	|	|	|	0.08
355.583	0.00	0.00	0.040	O	|	|	|	|	0.08	360.750	0.00	0.00	0.038	O	|	|	|	|	0.08
355.667	0.00	0.00	0.040	O	|	|	|	|	0.08	360.833	0.00	0.00	0.038	O	|	|	|	|	0.08
355.750	0.00	0.00	0.040	O	|	|	|	|	0.08	360.917	0.00	0.00	0.038	O	|	|	|	|	0.08
355.833	0.00	0.00	0.040	O	|	|	|	|	0.08	361.000	0.00	0.00	0.038	O	|	|	|	|	0.08
355.917	0.00	0.00	0.040	O	|	|	|	|	0.08	361.083	0.00	0.00	0.038	O	|	|	|	|	0.08
356.000	0.00	0.00	0.040	O	|	|	|	|	0.08	361.167	0.00	0.00	0.038	O	|	|	|	|	0.08
356.083	0.00	0.00	0.040	O	|	|	|	|	0.08	361.250	0.00	0.00	0.038	O	|	|	|	|	0.08
356.167	0.00	0.00	0.040	O	|	|	|	|	0.08	361.333	0.00	0.00	0.038	O	|	|	|	|	0.08
356.250	0.00	0.00	0.040	O	|	|	|	|	0.08	361.417	0.00	0.00	0.038	O	|	|	|	|	0.08
356.333	0.00	0.00	0.040	O	|	|	|	|	0.08	361.500	0.00	0.00	0.038	O	|	|	|	|	0.08
356.417	0.00	0.00	0.040	O	|	|	|	|	0.08	361.583	0.00	0.00	0.038	O	|	|	|	|	0.08
356.500	0.00	0.00	0.039	O	|	|	|	|	0.08	361.667	0.00	0.00	0.038	O	|	|	|	|	0.08
356.583	0.00	0.00	0.039	O	|	|	|	|	0.08	361.750	0.00	0.00	0.038	O	|	|	|	|	0.08
356.667	0.00	0.00	0.039	O	|	|	|	|	0.08	361.833	0.00	0.00	0.038	O	|	|	|	|	0.08
356.750	0.00	0.00	0.039	O	|	|	|	|	0.08	361.917	0.00	0.00	0.038	O	|	|	|	|	0.08
356.833	0.00	0.00	0.039	O	|	|	|	|	0.08	362.000	0.00	0.00	0.038	O	|	|	|	|	0.08
356.917	0.00	0.00	0.039	O	|	|	|	|	0.08	362.083	0.00	0.00	0.038	O	|	|	|	|	0.08
357.000	0.00	0.00	0.039	O	|	|	|	|	0.08	362.167	0.00	0.00	0.038	O	|	|	|	|	0.08
357.083	0.00	0.00	0.039	O	|	|	|	|	0.08	362.250	0.00	0.00	0.038	O	|	|	|	|	0.08
357.167	0.00	0.00	0.039	O	|	|	|	|	0.08	362.333	0.00	0.00	0.038	O	|	|	|	|	0.08
357.250	0.00	0.00	0.039	O	|	|	|	|	0.08	362.417	0.00	0.00	0.038	O	|	|	|	|	0.08
357.333	0.00	0.00	0.039	O	|	|	|	|	0.08	362.500	0.00	0.00	0.037	O	|	|	|	|	0.08
357.417	0.00	0.00	0.039	O	|	|	|	|	0.08	362.583	0.00	0.00	0.037	O	|	|	|	|	0.08
357.500	0.00	0.00	0.039	O	|	|	|	|	0.08	362.667	0.00	0.00	0.037	O	|	|	|	|	0.08
357.583	0.00	0.00	0.039	O	|	|	|	|	0.08	362.750	0.00	0.00	0.037	O	|	|	|	|	0.08
357.667	0.00	0.00	0.039	O	|	|	|	|	0.08	362.833	0.00	0.00	0.037	O	|	|	|	|	0.08
357.750	0.00	0.00	0.039	O	|	|	|	|	0.08	362.917	0.00	0.00	0.037	O	|	|	|	|	0.08
357.833	0.00	0.00	0.039	O	|	|	|	|	0.08	363.000	0.00	0.00	0.037	O	|	|	|	|	0.08
357.917	0.00	0.00	0.039	O	|	|	|	|	0.08	363.083	0.00	0.00	0.037	O	|	|	|	|	0.08
358.000	0.00	0.00	0.039	O	|	|	|	|	0.08	363.167	0.00	0.00	0.037	O	|	|	|	|	0.08
358.083	0.00	0.00	0.039	O	|	|	|	|	0.08	363.250	0.00	0.00	0.037	O	|	|	|	|	0.08
358.167	0.00	0.00	0.039	O	|	|	|	|	0.08	363.333	0.00	0.00	0.037	O	|	|	|	|	0.08
358.250	0.00	0.00	0.039	O	|	|	|	|	0.08	363.417	0.00	0.00	0.037	O	|	|	|	|	0.08
358.333	0.00	0.00	0.039	O	|	|	|	|	0.08	363.500	0.00	0.00	0.037	O	|	|	|	|	0.08
358.417	0.00	0.00	0.039	O	|	|	|	|	0.08	363.583	0.00	0.00	0.037	O	|	|	|	|	0.08
358.500	0.00	0.00	0.039	O	|	|	|	|	0.08	363.667	0.00	0.00	0.037	O	|	|	|	|	0.08
358.583	0.00	0.00	0.039	O	|	|	|	|	0.08	363.750	0.00	0.00	0.037	O	|	|	|	|	0.08
358.667	0.00	0.00	0.039	O	|	|	|	|	0.08	363.833	0.00	0.00	0.037	O	|	|	|	|	0.08
358.750	0.00	0.00	0.039	O	|	|	|	|	0.08	363.917	0.00	0.00	0.037	O	|	|	|	|	0.08
358.833	0.00	0.00	0.039	O	|	|	|	|	0.08	364.000	0.00	0.00	0.037	O	|	|	|	|	0.08
358.917	0.00	0.00	0.039	O	|	|	|	|	0.08	364.083	0.00	0.00	0.037	O	|	|	|	|	0.08
359.000	0.00	0.00	0.039	O	|	|	|	|	0.08	364.167	0.00	0.00	0.037	O	|	|	|	|	0.08
359.083	0.00	0.00	0.039	O	|	|	|	|	0.08	364.250	0.00	0.00	0.037	O	|	|	|	|	0.08
359.167	0.00	0.00	0.039	O	|	|	|	|	0.08	364.333	0.00	0.00	0.037	O	|	|	|	|	0.08
359.250	0.00	0.00	0.039	O	|	|	|	|	0.08	364.417	0.00	0.00	0.037	O	|	|	|	|	0.08
359.333	0.00	0.00	0.039	O	|	|	|	|	0.08	364.500	0.00	0.00	0.037	O	|	|	|	|	0.08
359.417	0.00	0.00	0.039	O	|	|	|	|	0.08	364.583	0.00	0.00	0.037	O	|	|	|	|	0.08
359.500	0.00	0.00	0.038	O	|	|	|	|	0.08	364.667	0.00	0.00	0.037	O	|	|	|	|	0.08
359.583	0.00	0.00	0.038	O	|	|	|	|	0.08	364.750	0.00	0.00	0.037	O	|	|	|	|	0.08
359.667	0.00	0.00	0.038	O	|	|	|	|	0.08	364.833	0.00	0.00	0.037	O	|	|	|	|	0.08
359.750	0.00	0.00	0.038	O	|	|	|	|	0.08	364.917	0.00	0.00	0.037	O	|	|	|	|	0.08
359.833	0.00	0.00	0.038	O	|	|	|	|	0.08	365.000	0.00	0.00	0.037	O	|	|	|	|	0.08
359.917	0.00	0.00	0.038	O	|	|	|	|	0.08	365.083	0.00	0.00	0.037	O	|	|	|	|	0.08

365.167	0.00	0.00	0.037	O	|	|	|	|	0.08	370.333	0.00	0.00	0.035	O	|	|	|	|	0.07
365.250	0.00	0.00	0.037	O	|	|	|	|	0.08	370.417	0.00	0.00	0.035	O	|	|	|	|	0.07
365.333	0.00	0.00	0.037	O	|	|	|	|	0.08	370.500	0.00	0.00	0.035	O	|	|	|	|	0.07
365.417	0.00	0.00	0.037	O	|	|	|	|	0.08	370.583	0.00	0.00	0.035	O	|	|	|	|	0.07
365.500	0.00	0.00	0.037	O	|	|	|	|	0.08	370.667	0.00	0.00	0.035	O	|	|	|	|	0.07
365.583	0.00	0.00	0.036	O	|	|	|	|	0.08	370.750	0.00	0.00	0.035	O	|	|	|	|	0.07
365.667	0.00	0.00	0.036	O	|	|	|	|	0.08	370.833	0.00	0.00	0.035	O	|	|	|	|	0.07
365.750	0.00	0.00	0.036	O	|	|	|	|	0.08	370.917	0.00	0.00	0.035	O	|	|	|	|	0.07
365.833	0.00	0.00	0.036	O	|	|	|	|	0.08	371.000	0.00	0.00	0.035	O	|	|	|	|	0.07
365.917	0.00	0.00	0.036	O	|	|	|	|	0.08	371.083	0.00	0.00	0.035	O	|	|	|	|	0.07
366.000	0.00	0.00	0.036	O	|	|	|	|	0.08	371.167	0.00	0.00	0.035	O	|	|	|	|	0.07
366.083	0.00	0.00	0.036	O	|	|	|	|	0.08	371.250	0.00	0.00	0.035	O	|	|	|	|	0.07
366.167	0.00	0.00	0.036	O	|	|	|	|	0.08	371.333	0.00	0.00	0.035	O	|	|	|	|	0.07
366.250	0.00	0.00	0.036	O	|	|	|	|	0.08	371.417	0.00	0.00	0.035	O	|	|	|	|	0.07
366.333	0.00	0.00	0.036	O	|	|	|	|	0.08	371.500	0.00	0.00	0.035	O	|	|	|	|	0.07
366.417	0.00	0.00	0.036	O	|	|	|	|	0.08	371.583	0.00	0.00	0.035	O	|	|	|	|	0.07
366.500	0.00	0.00	0.036	O	|	|	|	|	0.08	371.667	0.00	0.00	0.035	O	|	|	|	|	0.07
366.583	0.00	0.00	0.036	O	|	|	|	|	0.08	371.750	0.00	0.00	0.035	O	|	|	|	|	0.07
366.667	0.00	0.00	0.036	O	|	|	|	|	0.08	371.833	0.00	0.00	0.035	O	|	|	|	|	0.07
366.750	0.00	0.00	0.036	O	|	|	|	|	0.08	371.917	0.00	0.00	0.035	O	|	|	|	|	0.07
366.833	0.00	0.00	0.036	O	|	|	|	|	0.08	372.000	0.00	0.00	0.035	O	|	|	|	|	0.07
366.917	0.00	0.00	0.036	O	|	|	|	|	0.08	372.083	0.00	0.00	0.034	O	|	|	|	|	0.07
367.000	0.00	0.00	0.036	O	|	|	|	|	0.08	372.167	0.00	0.00	0.034	O	|	|	|	|	0.07
367.083	0.00	0.00	0.036	O	|	|	|	|	0.08	372.250	0.00	0.00	0.034	O	|	|	|	|	0.07
367.167	0.00	0.00	0.036	O	|	|	|	|	0.08	372.333	0.00	0.00	0.034	O	|	|	|	|	0.07
367.250	0.00	0.00	0.036	O	|	|	|	|	0.08	372.417	0.00	0.00	0.034	O	|	|	|	|	0.07
367.333	0.00	0.00	0.036	O	|	|	|	|	0.08	372.500	0.00	0.00	0.034	O	|	|	|	|	0.07
367.417	0.00	0.00	0.036	O	|	|	|	|	0.08	372.583	0.00	0.00	0.034	O	|	|	|	|	0.07
367.500	0.00	0.00	0.036	O	|	|	|	|	0.08	372.667	0.00	0.00	0.034	O	|	|	|	|	0.07
367.583	0.00	0.00	0.036	O	|	|	|	|	0.08	372.750	0.00	0.00	0.034	O	|	|	|	|	0.07
367.667	0.00	0.00	0.036	O	|	|	|	|	0.08	372.833	0.00	0.00	0.034	O	|	|	|	|	0.07
367.750	0.00	0.00	0.036	O	|	|	|	|	0.08	372.917	0.00	0.00	0.034	O	|	|	|	|	0.07
367.833	0.00	0.00	0.036	O	|	|	|	|	0.08	373.000	0.00	0.00	0.034	O	|	|	|	|	0.07
367.917	0.00	0.00	0.036	O	|	|	|	|	0.08	373.083	0.00	0.00	0.034	O	|	|	|	|	0.07
368.000	0.00	0.00	0.036	O	|	|	|	|	0.08	373.167	0.00	0.00	0.034	O	|	|	|	|	0.07
368.083	0.00	0.00	0.036	O	|	|	|	|	0.08	373.250	0.00	0.00	0.034	O	|	|	|	|	0.07
368.167	0.00	0.00	0.036	O	|	|	|	|	0.08	373.333	0.00	0.00	0.034	O	|	|	|	|	0.07
368.250	0.00	0.00	0.036	O	|	|	|	|	0.08	373.417	0.00	0.00	0.034	O	|	|	|	|	0.07
368.333	0.00	0.00	0.036	O	|	|	|	|	0.08	373.500	0.00	0.00	0.034	O	|	|	|	|	0.07
368.417	0.00	0.00	0.036	O	|	|	|	|	0.08	373.583	0.00	0.00	0.034	O	|	|	|	|	0.07
368.500	0.00	0.00	0.036	O	|	|	|	|	0.08	373.667	0.00	0.00	0.034	O	|	|	|	|	0.07
368.583	0.00	0.00	0.036	O	|	|	|	|	0.07	373.750	0.00	0.00	0.034	O	|	|	|	|	0.07
368.667	0.00	0.00	0.036	O	|	|	|	|	0.07	373.833	0.00	0.00	0.034	O	|	|	|	|	0.07
368.750	0.00	0.00	0.035	O	|	|	|	|	0.07	373.917	0.00	0.00	0.034	O	|	|	|	|	0.07
368.833	0.00	0.00	0.035	O	|	|	|	|	0.07	374.000	0.00	0.00	0.034	O	|	|	|	|	0.07
368.917	0.00	0.00	0.035	O	|	|	|	|	0.07	374.083	0.00	0.00	0.034	O	|	|	|	|	0.07
369.000	0.00	0.00	0.035	O	|	|	|	|	0.07	374.167	0.00	0.00	0.034	O	|	|	|	|	0.07
369.083	0.00	0.00	0.035	O	|	|	|	|	0.07	374.250	0.00	0.00	0.034	O	|	|	|	|	0.07
369.167	0.00	0.00	0.035	O	|	|	|	|	0.07	374.333	0.00	0.00	0.034	O	|	|	|	|	0.07
369.250	0.00	0.00	0.035	O	|	|	|	|	0.07	374.417	0.00	0.00	0.034	O	|	|	|	|	0.07
369.333	0.00	0.00	0.035	O	|	|	|	|	0.07	374.500	0.00	0.00	0.034	O	|	|	|	|	0.07
369.417	0.00	0.00	0.035	O	|	|	|	|	0.07	374.583	0.00	0.00	0.034	O	|	|	|	|	0.07
369.500	0.00	0.00	0.035	O	|	|	|	|	0.07	374.667	0.00	0.00	0.034	O	|	|	|	|	0.07
369.583	0.00	0.00	0.035	O	|	|	|	|	0.07	374.750	0.00	0.00	0.034	O	|	|	|	|	0.07
369.667	0.00	0.00	0.035	O	|	|	|	|	0.07	374.833	0.00	0.00	0.034	O	|	|	|	|	0.07
369.750	0.00	0.00	0.035	O	|	|	|	|	0.07	374.917	0.00	0.00	0.034	O	|	|	|	|	0.07
369.833	0.00	0.00	0.035	O	|	|	|	|	0.07	375.000	0.00	0.00	0.034	O	|	|	|	|	0.07
369.917	0.00	0.00	0.035	O	|	|	|	|	0.07	375.083	0.00	0.00	0.034	O	|	|	|	|	0.07
370.000	0.00	0.00	0.035	O	|	|	|	|	0.07	375.167	0.00	0.00	0.034	O	|	|	|	|	0.07
370.083	0.00	0.00	0.035	O	|	|	|	|	0.07	375.250	0.00	0.00	0.034	O	|	|	|	|	0.07
370.167	0.00	0.00	0.035	O	|	|	|	|	0.07	375.333	0.00	0.00	0.034	O	|	|	|	|	0.07
370.250	0.00	0.00	0.035	O	|	|	|	|	0.07	375.417	0.00	0.00	0.033	O	|	|	|	|	0.07

375.500	0.00	0.00	0.033	O	|	|	|	|	0.07	380.667	0.00	0.00	0.032	O	|	|	|	|	0.07
375.583	0.00	0.00	0.033	O	|	|	|	|	0.07	380.750	0.00	0.00	0.032	O	|	|	|	|	0.07
375.667	0.00	0.00	0.033	O	|	|	|	|	0.07	380.833	0.00	0.00	0.032	O	|	|	|	|	0.07
375.750	0.00	0.00	0.033	O	|	|	|	|	0.07	380.917	0.00	0.00	0.032	O	|	|	|	|	0.07
375.833	0.00	0.00	0.033	O	|	|	|	|	0.07	381.000	0.00	0.00	0.032	O	|	|	|	|	0.07
375.917	0.00	0.00	0.033	O	|	|	|	|	0.07	381.083	0.00	0.00	0.032	O	|	|	|	|	0.07
376.000	0.00	0.00	0.033	O	|	|	|	|	0.07	381.167	0.00	0.00	0.032	O	|	|	|	|	0.07
376.083	0.00	0.00	0.033	O	|	|	|	|	0.07	381.250	0.00	0.00	0.032	O	|	|	|	|	0.07
376.167	0.00	0.00	0.033	O	|	|	|	|	0.07	381.333	0.00	0.00	0.032	O	|	|	|	|	0.07
376.250	0.00	0.00	0.033	O	|	|	|	|	0.07	381.417	0.00	0.00	0.032	O	|	|	|	|	0.07
376.333	0.00	0.00	0.033	O	|	|	|	|	0.07	381.500	0.00	0.00	0.032	O	|	|	|	|	0.07
376.417	0.00	0.00	0.033	O	|	|	|	|	0.07	381.583	0.00	0.00	0.032	O	|	|	|	|	0.07
376.500	0.00	0.00	0.033	O	|	|	|	|	0.07	381.667	0.00	0.00	0.032	O	|	|	|	|	0.07
376.583	0.00	0.00	0.033	O	|	|	|	|	0.07	381.750	0.00	0.00	0.032	O	|	|	|	|	0.07
376.667	0.00	0.00	0.033	O	|	|	|	|	0.07	381.833	0.00	0.00	0.032	O	|	|	|	|	0.07
376.750	0.00	0.00	0.033	O	|	|	|	|	0.07	381.917	0.00	0.00	0.032	O	|	|	|	|	0.07
376.833	0.00	0.00	0.033	O	|	|	|	|	0.07	382.000	0.00	0.00	0.032	O	|	|	|	|	0.07
376.917	0.00	0.00	0.033	O	|	|	|	|	0.07	382.083	0.00	0.00	0.032	O	|	|	|	|	0.07
377.000	0.00	0.00	0.033	O	|	|	|	|	0.07	382.167	0.00	0.00	0.032	O	|	|	|	|	0.07
377.083	0.00	0.00	0.033	O	|	|	|	|	0.07	382.250	0.00	0.00	0.032	O	|	|	|	|	0.07
377.167	0.00	0.00	0.033	O	|	|	|	|	0.07	382.333	0.00	0.00	0.032	O	|	|	|	|	0.07
377.250	0.00	0.00	0.033	O	|	|	|	|	0.07	382.417	0.00	0.00	0.032	O	|	|	|	|	0.07
377.333	0.00	0.00	0.033	O	|	|	|	|	0.07	382.500	0.00	0.00	0.031	O	|	|	|	|	0.07
377.417	0.00	0.00	0.033	O	|	|	|	|	0.07	382.583	0.00	0.00	0.031	O	|	|	|	|	0.07
377.500	0.00	0.00	0.033	O	|	|	|	|	0.07	382.667	0.00	0.00	0.031	O	|	|	|	|	0.07
377.583	0.00	0.00	0.033	O	|	|	|	|	0.07	382.750	0.00	0.00	0.031	O	|	|	|	|	0.07
377.667	0.00	0.00	0.033	O	|	|	|	|	0.07	382.833	0.00	0.00	0.031	O	|	|	|	|	0.07
377.750	0.00	0.00	0.033	O	|	|	|	|	0.07	382.917	0.00	0.00	0.031	O	|	|	|	|	0.07
377.833	0.00	0.00	0.033	O	|	|	|	|	0.07	383.000	0.00	0.00	0.031	O	|	|	|	|	0.07
377.917	0.00	0.00	0.033	O	|	|	|	|	0.07	383.083	0.00	0.00	0.031	O	|	|	|	|	0.07
378.000	0.00	0.00	0.033	O	|	|	|	|	0.07	383.167	0.00	0.00	0.031	O	|	|	|	|	0.07
378.083	0.00	0.00	0.033	O	|	|	|	|	0.07	383.250	0.00	0.00	0.031	O	|	|	|	|	0.07
378.167	0.00	0.00	0.033	O	|	|	|	|	0.07	383.333	0.00	0.00	0.031	O	|	|	|	|	0.07
378.250	0.00	0.00	0.033	O	|	|	|	|	0.07	383.417	0.00	0.00	0.031	O	|	|	|	|	0.07
378.333	0.00	0.00	0.033	O	|	|	|	|	0.07	383.500	0.00	0.00	0.031	O	|	|	|	|	0.07
378.417	0.00	0.00	0.033	O	|	|	|	|	0.07	383.583	0.00	0.00	0.031	O	|	|	|	|	0.07
378.500	0.00	0.00	0.033	O	|	|	|	|	0.07	383.667	0.00	0.00	0.031	O	|	|	|	|	0.07
378.583	0.00	0.00	0.033	O	|	|	|	|	0.07	383.750	0.00	0.00	0.031	O	|	|	|	|	0.07
378.667	0.00	0.00	0.033	O	|	|	|	|	0.07	383.833	0.00	0.00	0.031	O	|	|	|	|	0.07
378.750	0.00	0.00	0.033	O	|	|	|	|	0.07	383.917	0.00	0.00	0.031	O	|	|	|	|	0.07
378.833	0.00	0.00	0.033	O	|	|	|	|	0.07	384.000	0.00	0.00	0.031	O	|	|	|	|	0.07
378.917	0.00	0.00	0.032	O	|	|	|	|	0.07	384.083	0.00	0.00	0.031	O	|	|	|	|	0.07
379.000	0.00	0.00	0.032	O	|	|	|	|	0.07	384.167	0.00	0.00	0.031	O	|	|	|	|	0.07
379.083	0.00	0.00	0.032	O	|	|	|	|	0.07	384.250	0.00	0.00	0.031	O	|	|	|	|	0.07
379.167	0.00	0.00	0.032	O	|	|	|	|	0.07	384.333	0.00	0.00	0.031	O	|	|	|	|	0.07
379.250	0.00	0.00	0.032	O	|	|	|	|	0.07	384.417	0.00	0.00	0.031	O	|	|	|	|	0.07
379.333	0.00	0.00	0.032	O	|	|	|	|	0.07	384.500	0.00	0.00	0.031	O	|	|	|	|	0.07
379.417	0.00	0.00	0.032	O	|	|	|	|	0.07	384.583	0.00	0.00	0.031	O	|	|	|	|	0.07
379.500	0.00	0.00	0.032	O	|	|	|	|	0.07	384.667	0.00	0.00	0.031	O	|	|	|	|	0.07
379.583	0.00	0.00	0.032	O	|	|	|	|	0.07	384.750	0.00	0.00	0.031	O	|	|	|	|	0.07
379.667	0.00	0.00	0.032	O	|	|	|	|	0.07	384.833	0.00	0.00	0.031	O	|	|	|	|	0.07
379.750	0.00	0.00	0.032	O	|	|	|	|	0.07	384.917	0.00	0.00	0.031	O	|	|	|	|	0.07
379.833	0.00	0.00	0.032	O	|	|	|	|	0.07	385.000	0.00	0.00	0.031	O	|	|	|	|	0.06
379.917	0.00	0.00	0.032	O	|	|	|	|	0.07	385.083	0.00	0.00	0.031	O	|	|	|	|	0.06
380.000	0.00	0.00	0.032	O	|	|	|	|	0.07	385.167	0.00	0.00	0.031	O	|	|	|	|	0.06
380.083	0.00	0.00	0.032	O	|	|	|	|	0.07	385.250	0.00	0.00	0.031	O	|	|	|	|	0.06
380.167	0.00	0.00	0.032	O	|	|	|	|	0.07	385.333	0.00	0.00	0.031	O	|	|	|	|	0.06
380.250	0.00	0.00	0.032	O	|	|	|	|	0.07	385.417	0.00	0.00	0.031	O	|	|	|	|	0.06
380.333	0.00	0.00	0.032	O	|	|	|	|	0.07	385.500	0.00	0.00	0.031	O	|	|	|	|	0.06
380.417	0.00	0.00	0.032	O	|	|	|	|	0.07	385.583	0.00	0.00	0.031	O	|	|	|	|	0.06
380.500	0.00	0.00	0.032	O	|	|	|	|	0.07	385.667	0.00	0.00	0.031	O	|	|	|	|	0.06
380.583	0.00	0.00	0.032	O	|	|	|	|	0.07	385.750	0.00	0.00	0.031	O	|	|	|	|	0.06

385.833	0.00	0.00	0.031	O	|	|	|	|	0.06	391.000	0.00	0.00	0.029	O	|	|	|	|	0.06
385.917	0.00	0.00	0.031	O	|	|	|	|	0.06	391.083	0.00	0.00	0.029	O	|	|	|	|	0.06
386.000	0.00	0.00	0.031	O	|	|	|	|	0.06	391.167	0.00	0.00	0.029	O	|	|	|	|	0.06
386.083	0.00	0.00	0.031	O	|	|	|	|	0.06	391.250	0.00	0.00	0.029	O	|	|	|	|	0.06
386.167	0.00	0.00	0.030	O	|	|	|	|	0.06	391.333	0.00	0.00	0.029	O	|	|	|	|	0.06
386.250	0.00	0.00	0.030	O	|	|	|	|	0.06	391.417	0.00	0.00	0.029	O	|	|	|	|	0.06
386.333	0.00	0.00	0.030	O	|	|	|	|	0.06	391.500	0.00	0.00	0.029	O	|	|	|	|	0.06
386.417	0.00	0.00	0.030	O	|	|	|	|	0.06	391.583	0.00	0.00	0.029	O	|	|	|	|	0.06
386.500	0.00	0.00	0.030	O	|	|	|	|	0.06	391.667	0.00	0.00	0.029	O	|	|	|	|	0.06
386.583	0.00	0.00	0.030	O	|	|	|	|	0.06	391.750	0.00	0.00	0.029	O	|	|	|	|	0.06
386.667	0.00	0.00	0.030	O	|	|	|	|	0.06	391.833	0.00	0.00	0.029	O	|	|	|	|	0.06
386.750	0.00	0.00	0.030	O	|	|	|	|	0.06	391.917	0.00	0.00	0.029	O	|	|	|	|	0.06
386.833	0.00	0.00	0.030	O	|	|	|	|	0.06	392.000	0.00	0.00	0.029	O	|	|	|	|	0.06
386.917	0.00	0.00	0.030	O	|	|	|	|	0.06	392.083	0.00	0.00	0.029	O	|	|	|	|	0.06
387.000	0.00	0.00	0.030	O	|	|	|	|	0.06	392.167	0.00	0.00	0.029	O	|	|	|	|	0.06
387.083	0.00	0.00	0.030	O	|	|	|	|	0.06	392.250	0.00	0.00	0.029	O	|	|	|	|	0.06
387.167	0.00	0.00	0.030	O	|	|	|	|	0.06	392.333	0.00	0.00	0.029	O	|	|	|	|	0.06
387.250	0.00	0.00	0.030	O	|	|	|	|	0.06	392.417	0.00	0.00	0.029	O	|	|	|	|	0.06
387.333	0.00	0.00	0.030	O	|	|	|	|	0.06	392.500	0.00	0.00	0.029	O	|	|	|	|	0.06
387.417	0.00	0.00	0.030	O	|	|	|	|	0.06	392.583	0.00	0.00	0.029	O	|	|	|	|	0.06
387.500	0.00	0.00	0.030	O	|	|	|	|	0.06	392.667	0.00	0.00	0.029	O	|	|	|	|	0.06
387.583	0.00	0.00	0.030	O	|	|	|	|	0.06	392.750	0.00	0.00	0.029	O	|	|	|	|	0.06
387.667	0.00	0.00	0.030	O	|	|	|	|	0.06	392.833	0.00	0.00	0.029	O	|	|	|	|	0.06
387.750	0.00	0.00	0.030	O	|	|	|	|	0.06	392.917	0.00	0.00	0.029	O	|	|	|	|	0.06
387.833	0.00	0.00	0.030	O	|	|	|	|	0.06	393.000	0.00	0.00	0.029	O	|	|	|	|	0.06
387.917	0.00	0.00	0.030	O	|	|	|	|	0.06	393.083	0.00	0.00	0.029	O	|	|	|	|	0.06
388.000	0.00	0.00	0.030	O	|	|	|	|	0.06	393.167	0.00	0.00	0.029	O	|	|	|	|	0.06
388.083	0.00	0.00	0.030	O	|	|	|	|	0.06	393.250	0.00	0.00	0.029	O	|	|	|	|	0.06
388.167	0.00	0.00	0.030	O	|	|	|	|	0.06	393.333	0.00	0.00	0.029	O	|	|	|	|	0.06
388.250	0.00	0.00	0.030	O	|	|	|	|	0.06	393.417	0.00	0.00	0.029	O	|	|	|	|	0.06
388.333	0.00	0.00	0.030	O	|	|	|	|	0.06	393.500	0.00	0.00	0.029	O	|	|	|	|	0.06
388.417	0.00	0.00	0.030	O	|	|	|	|	0.06	393.583	0.00	0.00	0.029	O	|	|	|	|	0.06
388.500	0.00	0.00	0.030	O	|	|	|	|	0.06	393.667	0.00	0.00	0.029	O	|	|	|	|	0.06
388.583	0.00	0.00	0.030	O	|	|	|	|	0.06	393.750	0.00	0.00	0.029	O	|	|	|	|	0.06
388.667	0.00	0.00	0.030	O	|	|	|	|	0.06	393.833	0.00	0.00	0.029	O	|	|	|	|	0.06
388.750	0.00	0.00	0.030	O	|	|	|	|	0.06	393.917	0.00	0.00	0.029	O	|	|	|	|	0.06
388.833	0.00	0.00	0.030	O	|	|	|	|	0.06	394.000	0.00	0.00	0.028	O	|	|	|	|	0.06
388.917	0.00	0.00	0.030	O	|	|	|	|	0.06	394.083	0.00	0.00	0.028	O	|	|	|	|	0.06
389.000	0.00	0.00	0.030	O	|	|	|	|	0.06	394.167	0.00	0.00	0.028	O	|	|	|	|	0.06
389.083	0.00	0.00	0.030	O	|	|	|	|	0.06	394.250	0.00	0.00	0.028	O	|	|	|	|	0.06
389.167	0.00	0.00	0.030	O	|	|	|	|	0.06	394.333	0.00	0.00	0.028	O	|	|	|	|	0.06
389.250	0.00	0.00	0.030	O	|	|	|	|	0.06	394.417	0.00	0.00	0.028	O	|	|	|	|	0.06
389.333	0.00	0.00	0.030	O	|	|	|	|	0.06	394.500	0.00	0.00	0.028	O	|	|	|	|	0.06
389.417	0.00	0.00	0.030	O	|	|	|	|	0.06	394.583	0.00	0.00	0.028	O	|	|	|	|	0.06
389.500	0.00	0.00	0.030	O	|	|	|	|	0.06	394.667	0.00	0.00	0.028	O	|	|	|	|	0.06
389.583	0.00	0.00	0.030	O	|	|	|	|	0.06	394.750	0.00	0.00	0.028	O	|	|	|	|	0.06
389.667	0.00	0.00	0.030	O	|	|	|	|	0.06	394.833	0.00	0.00	0.028	O	|	|	|	|	0.06
389.750	0.00	0.00	0.030	O	|	|	|	|	0.06	394.917	0.00	0.00	0.028	O	|	|	|	|	0.06
389.833	0.00	0.00	0.030	O	|	|	|	|	0.06	395.000	0.00	0.00	0.028	O	|	|	|	|	0.06
389.917	0.00	0.00	0.030	O	|	|	|	|	0.06	395.083	0.00	0.00	0.028	O	|	|	|	|	0.06
390.000	0.00	0.00	0.029	O	|	|	|	|	0.06	395.167	0.00	0.00	0.028	O	|	|	|	|	0.06
390.083	0.00	0.00	0.029	O	|	|	|	|	0.06	395.250	0.00	0.00	0.028	O	|	|	|	|	0.06
390.167	0.00	0.00	0.029	O	|	|	|	|	0.06	395.333	0.00	0.00	0.028	O	|	|	|	|	0.06
390.250	0.00	0.00	0.029	O	|	|	|	|	0.06	395.417	0.00	0.00	0.028	O	|	|	|	|	0.06
390.333	0.00	0.00	0.029	O	|	|	|	|	0.06	395.500	0.00	0.00	0.028	O	|	|	|	|	0.06
390.417	0.00	0.00	0.029	O	|	|	|	|	0.06	395.583	0.00	0.00	0.028	O	|	|	|	|	0.06
390.500	0.00	0.00	0.029	O	|	|	|	|	0.06	395.667	0.00	0.00	0.028	O	|	|	|	|	0.06
390.583	0.00	0.00	0.029	O	|	|	|	|	0.06	395.750	0.00	0.00	0.028	O	|	|	|	|	0.06
390.667	0.00	0.00	0.029	O	|	|	|	|	0.06	395.833	0.00	0.00	0.028	O	|	|	|	|	0.06
390.750	0.00	0.00	0.029	O	|	|	|	|	0.06	395.917	0.00	0.00	0.028	O	|	|	|	|	0.06
390.833	0.00	0.00	0.029	O	|	|	|	|	0.06	396.000	0.00	0.00	0.028	O	|	|	|	|	0.06
390.917	0.00	0.00	0.029	O	|	|	|	|	0.06	396.083	0.00	0.00	0.028	O	|	|	|	|	0.06

396.167	0.00	0.00	0.028	O					0.06	401.333	0.00	0.00	0.027	O					0.06
396.250	0.00	0.00	0.028	O					0.06	401.417	0.00	0.00	0.027	O					0.06
396.333	0.00	0.00	0.028	O					0.06	401.500	0.00	0.00	0.027	O					0.06
396.417	0.00	0.00	0.028	O					0.06	401.583	0.00	0.00	0.027	O					0.06
396.500	0.00	0.00	0.028	O					0.06	401.667	0.00	0.00	0.027	O					0.06
396.583	0.00	0.00	0.028	O					0.06	401.750	0.00	0.00	0.027	O					0.06
396.667	0.00	0.00	0.028	O					0.06	401.833	0.00	0.00	0.027	O					0.06
396.750	0.00	0.00	0.028	O					0.06	401.917	0.00	0.00	0.027	O					0.06
396.833	0.00	0.00	0.028	O					0.06	402.000	0.00	0.00	0.027	O					0.06
396.917	0.00	0.00	0.028	O					0.06	402.083	0.00	0.00	0.027	O					0.06
397.000	0.00	0.00	0.028	O					0.06	402.167	0.00	0.00	0.027	O					0.06
397.083	0.00	0.00	0.028	O					0.06	402.250	0.00	0.00	0.027	O					0.06
397.167	0.00	0.00	0.028	O					0.06	402.333	0.00	0.00	0.026	O					0.06
397.250	0.00	0.00	0.028	O					0.06	402.417	0.00	0.00	0.026	O					0.06
397.333	0.00	0.00	0.028	O					0.06	402.500	0.00	0.00	0.026	O					0.06
397.417	0.00	0.00	0.028	O					0.06	402.583	0.00	0.00	0.026	O					0.06
397.500	0.00	0.00	0.028	O					0.06	402.667	0.00	0.00	0.026	O					0.06
397.583	0.00	0.00	0.028	O					0.06	402.750	0.00	0.00	0.026	O					0.06
397.667	0.00	0.00	0.028	O					0.06	402.833	0.00	0.00	0.026	O					0.06
397.750	0.00	0.00	0.028	O					0.06	402.917	0.00	0.00	0.026	O					0.06
397.833	0.00	0.00	0.028	O					0.06	403.000	0.00	0.00	0.026	O					0.06
397.917	0.00	0.00	0.028	O					0.06	403.083	0.00	0.00	0.026	O					0.06
398.000	0.00	0.00	0.028	O					0.06	403.167	0.00	0.00	0.026	O					0.06
398.083	0.00	0.00	0.027	O					0.06	403.250	0.00	0.00	0.026	O					0.06
398.167	0.00	0.00	0.027	O					0.06	403.333	0.00	0.00	0.026	O					0.06
398.250	0.00	0.00	0.027	O					0.06	403.417	0.00	0.00	0.026	O					0.06
398.333	0.00	0.00	0.027	O					0.06	403.500	0.00	0.00	0.026	O					0.06
398.417	0.00	0.00	0.027	O					0.06	403.583	0.00	0.00	0.026	O					0.06
398.500	0.00	0.00	0.027	O					0.06	403.667	0.00	0.00	0.026	O					0.06
398.583	0.00	0.00	0.027	O					0.06	403.750	0.00	0.00	0.026	O					0.06
398.667	0.00	0.00	0.027	O					0.06	403.833	0.00	0.00	0.026	O					0.06
398.750	0.00	0.00	0.027	O					0.06	403.917	0.00	0.00	0.026	O					0.06
398.833	0.00	0.00	0.027	O					0.06	404.000	0.00	0.00	0.026	O					0.06
398.917	0.00	0.00	0.027	O					0.06	404.083	0.00	0.00	0.026	O					0.06
399.000	0.00	0.00	0.027	O					0.06	404.167	0.00	0.00	0.026	O					0.05
399.083	0.00	0.00	0.027	O					0.06	404.250	0.00	0.00	0.026	O					0.05
399.167	0.00	0.00	0.027	O					0.06	404.333	0.00	0.00	0.026	O					0.05
399.250	0.00	0.00	0.027	O					0.06	404.417	0.00	0.00	0.026	O					0.05
399.333	0.00	0.00	0.027	O					0.06	404.500	0.00	0.00	0.026	O					0.05
399.417	0.00	0.00	0.027	O					0.06	404.583	0.00	0.00	0.026	O					0.05
399.500	0.00	0.00	0.027	O					0.06	404.667	0.00	0.00	0.026	O					0.05
399.583	0.00	0.00	0.027	O					0.06	404.750	0.00	0.00	0.026	O					0.05
399.667	0.00	0.00	0.027	O					0.06	404.833	0.00	0.00	0.026	O					0.05
399.750	0.00	0.00	0.027	O					0.06	404.917	0.00	0.00	0.026	O					0.05
399.833	0.00	0.00	0.027	O					0.06	405.000	0.00	0.00	0.026	O					0.05
399.917	0.00	0.00	0.027	O					0.06	405.083	0.00	0.00	0.026	O					0.05
400.000	0.00	0.00	0.027	O					0.06	405.167	0.00	0.00	0.026	O					0.05
400.083	0.00	0.00	0.027	O					0.06	405.250	0.00	0.00	0.026	O					0.05
400.167	0.00	0.00	0.027	O					0.06	405.333	0.00	0.00	0.026	O					0.05
400.250	0.00	0.00	0.027	O					0.06	405.417	0.00	0.00	0.026	O					0.05
400.333	0.00	0.00	0.027	O					0.06	405.500	0.00	0.00	0.026	O					0.05
400.417	0.00	0.00	0.027	O					0.06	405.583	0.00	0.00	0.026	O					0.05
400.500	0.00	0.00	0.027	O					0.06	405.667	0.00	0.00	0.026	O					0.05
400.583	0.00	0.00	0.027	O					0.06	405.750	0.00	0.00	0.026	O					0.05
400.667	0.00	0.00	0.027	O					0.06	405.833	0.00	0.00	0.026	O					0.05
400.750	0.00	0.00	0.027	O					0.06	405.917	0.00	0.00	0.026	O					0.05
400.833	0.00	0.00	0.027	O					0.06	406.000	0.00	0.00	0.026	O					0.05
400.917	0.00	0.00	0.027	O					0.06	406.083	0.00	0.00	0.026	O					0.05
401.000	0.00	0.00	0.027	O					0.06	406.167	0.00	0.00	0.026	O					0.05
401.083	0.00	0.00	0.027	O					0.06	406.250	0.00	0.00	0.026	O					0.05
401.167	0.00	0.00	0.027	O					0.06	406.333	0.00	0.00	0.026	O					0.05
401.250	0.00	0.00	0.027	O					0.06	406.417	0.00	0.00	0.026	O					0.05

406.500	0.00	0.00	0.026	O	|	|	|	|	0.05	411.667	0.00	0.00	0.024	O	|	|	|	|	0.05
406.583	0.00	0.00	0.026	O	|	|	|	|	0.05	411.750	0.00	0.00	0.024	O	|	|	|	|	0.05
406.667	0.00	0.00	0.026	O	|	|	|	|	0.05	411.833	0.00	0.00	0.024	O	|	|	|	|	0.05
406.750	0.00	0.00	0.025	O	|	|	|	|	0.05	411.917	0.00	0.00	0.024	O	|	|	|	|	0.05
406.833	0.00	0.00	0.025	O	|	|	|	|	0.05	412.000	0.00	0.00	0.024	O	|	|	|	|	0.05
406.917	0.00	0.00	0.025	O	|	|	|	|	0.05	412.083	0.00	0.00	0.024	O	|	|	|	|	0.05
407.000	0.00	0.00	0.025	O	|	|	|	|	0.05	412.167	0.00	0.00	0.024	O	|	|	|	|	0.05
407.083	0.00	0.00	0.025	O	|	|	|	|	0.05	412.250	0.00	0.00	0.024	O	|	|	|	|	0.05
407.167	0.00	0.00	0.025	O	|	|	|	|	0.05	412.333	0.00	0.00	0.024	O	|	|	|	|	0.05
407.250	0.00	0.00	0.025	O	|	|	|	|	0.05	412.417	0.00	0.00	0.024	O	|	|	|	|	0.05
407.333	0.00	0.00	0.025	O	|	|	|	|	0.05	412.500	0.00	0.00	0.024	O	|	|	|	|	0.05
407.417	0.00	0.00	0.025	O	|	|	|	|	0.05	412.583	0.00	0.00	0.024	O	|	|	|	|	0.05
407.500	0.00	0.00	0.025	O	|	|	|	|	0.05	412.667	0.00	0.00	0.024	O	|	|	|	|	0.05
407.583	0.00	0.00	0.025	O	|	|	|	|	0.05	412.750	0.00	0.00	0.024	O	|	|	|	|	0.05
407.667	0.00	0.00	0.025	O	|	|	|	|	0.05	412.833	0.00	0.00	0.024	O	|	|	|	|	0.05
407.750	0.00	0.00	0.025	O	|	|	|	|	0.05	412.917	0.00	0.00	0.024	O	|	|	|	|	0.05
407.833	0.00	0.00	0.025	O	|	|	|	|	0.05	413.000	0.00	0.00	0.024	O	|	|	|	|	0.05
407.917	0.00	0.00	0.025	O	|	|	|	|	0.05	413.083	0.00	0.00	0.024	O	|	|	|	|	0.05
408.000	0.00	0.00	0.025	O	|	|	|	|	0.05	413.167	0.00	0.00	0.024	O	|	|	|	|	0.05
408.083	0.00	0.00	0.025	O	|	|	|	|	0.05	413.250	0.00	0.00	0.024	O	|	|	|	|	0.05
408.167	0.00	0.00	0.025	O	|	|	|	|	0.05	413.333	0.00	0.00	0.024	O	|	|	|	|	0.05
408.250	0.00	0.00	0.025	O	|	|	|	|	0.05	413.417	0.00	0.00	0.024	O	|	|	|	|	0.05
408.333	0.00	0.00	0.025	O	|	|	|	|	0.05	413.500	0.00	0.00	0.024	O	|	|	|	|	0.05
408.417	0.00	0.00	0.025	O	|	|	|	|	0.05	413.583	0.00	0.00	0.024	O	|	|	|	|	0.05
408.500	0.00	0.00	0.025	O	|	|	|	|	0.05	413.667	0.00	0.00	0.024	O	|	|	|	|	0.05
408.583	0.00	0.00	0.025	O	|	|	|	|	0.05	413.750	0.00	0.00	0.024	O	|	|	|	|	0.05
408.667	0.00	0.00	0.025	O	|	|	|	|	0.05	413.833	0.00	0.00	0.024	O	|	|	|	|	0.05
408.750	0.00	0.00	0.025	O	|	|	|	|	0.05	413.917	0.00	0.00	0.024	O	|	|	|	|	0.05
408.833	0.00	0.00	0.025	O	|	|	|	|	0.05	414.000	0.00	0.00	0.024	O	|	|	|	|	0.05
408.917	0.00	0.00	0.025	O	|	|	|	|	0.05	414.083	0.00	0.00	0.024	O	|	|	|	|	0.05
409.000	0.00	0.00	0.025	O	|	|	|	|	0.05	414.167	0.00	0.00	0.024	O	|	|	|	|	0.05
409.083	0.00	0.00	0.025	O	|	|	|	|	0.05	414.250	0.00	0.00	0.024	O	|	|	|	|	0.05
409.167	0.00	0.00	0.025	O	|	|	|	|	0.05	414.333	0.00	0.00	0.024	O	|	|	|	|	0.05
409.250	0.00	0.00	0.025	O	|	|	|	|	0.05	414.417	0.00	0.00	0.024	O	|	|	|	|	0.05
409.333	0.00	0.00	0.025	O	|	|	|	|	0.05	414.500	0.00	0.00	0.024	O	|	|	|	|	0.05
409.417	0.00	0.00	0.025	O	|	|	|	|	0.05	414.583	0.00	0.00	0.024	O	|	|	|	|	0.05
409.500	0.00	0.00	0.025	O	|	|	|	|	0.05	414.667	0.00	0.00	0.024	O	|	|	|	|	0.05
409.583	0.00	0.00	0.025	O	|	|	|	|	0.05	414.750	0.00	0.00	0.024	O	|	|	|	|	0.05
409.667	0.00	0.00	0.025	O	|	|	|	|	0.05	414.833	0.00	0.00	0.024	O	|	|	|	|	0.05
409.750	0.00	0.00	0.025	O	|	|	|	|	0.05	414.917	0.00	0.00	0.024	O	|	|	|	|	0.05
409.833	0.00	0.00	0.025	O	|	|	|	|	0.05	415.000	0.00	0.00	0.024	O	|	|	|	|	0.05
409.917	0.00	0.00	0.025	O	|	|	|	|	0.05	415.083	0.00	0.00	0.024	O	|	|	|	|	0.05
410.000	0.00	0.00	0.025	O	|	|	|	|	0.05	415.167	0.00	0.00	0.024	O	|	|	|	|	0.05
410.083	0.00	0.00	0.025	O	|	|	|	|	0.05	415.250	0.00	0.00	0.024	O	|	|	|	|	0.05
410.167	0.00	0.00	0.025	O	|	|	|	|	0.05	415.333	0.00	0.00	0.024	O	|	|	|	|	0.05
410.250	0.00	0.00	0.025	O	|	|	|	|	0.05	415.417	0.00	0.00	0.024	O	|	|	|	|	0.05
410.333	0.00	0.00	0.025	O	|	|	|	|	0.05	415.500	0.00	0.00	0.024	O	|	|	|	|	0.05
410.417	0.00	0.00	0.025	O	|	|	|	|	0.05	415.583	0.00	0.00	0.024	O	|	|	|	|	0.05
410.500	0.00	0.00	0.025	O	|	|	|	|	0.05	415.667	0.00	0.00	0.024	O	|	|	|	|	0.05
410.583	0.00	0.00	0.025	O	|	|	|	|	0.05	415.750	0.00	0.00	0.024	O	|	|	|	|	0.05
410.667	0.00	0.00	0.025	O	|	|	|	|	0.05	415.833	0.00	0.00	0.024	O	|	|	|	|	0.05
410.750	0.00	0.00	0.025	O	|	|	|	|	0.05	415.917	0.00	0.00	0.024	O	|	|	|	|	0.05
410.833	0.00	0.00	0.025	O	|	|	|	|	0.05	416.000	0.00	0.00	0.024	O	|	|	|	|	0.05
410.917	0.00	0.00	0.025	O	|	|	|	|	0.05	416.083	0.00	0.00	0.023	O	|	|	|	|	0.05
411.000	0.00	0.00	0.025	O	|	|	|	|	0.05	416.167	0.00	0.00	0.023	O	|	|	|	|	0.05
411.083	0.00	0.00	0.025	O	|	|	|	|	0.05	416.250	0.00	0.00	0.023	O	|	|	|	|	0.05
411.167	0.00	0.00	0.025	O	|	|	|	|	0.05	416.333	0.00	0.00	0.023	O	|	|	|	|	0.05
411.250	0.00	0.00	0.025	O	|	|	|	|	0.05	416.417	0.00	0.00	0.023	O	|	|	|	|	0.05
411.333	0.00	0.00	0.024	O	|	|	|	|	0.05	416.500	0.00	0.00	0.023	O	|	|	|	|	0.05
411.417	0.00	0.00	0.024	O	|	|	|	|	0.05	416.583	0.00	0.00	0.023	O	|	|	|	|	0.05
411.500	0.00	0.00	0.024	O	|	|	|	|	0.05	416.667	0.00	0.00	0.023	O	|	|	|	|	0.05
411.583	0.00	0.00	0.024	O	|	|	|	|	0.05										

```
 Remaining water in basin =    0.02 (Ac.Ft)


 ****************************HYDROGRAPH DATA****************************
                 Number of intervals =  5001
                 Time interval =    5.0 (Min.)
                 Maximum/Peak flow rate =        0.215 (CFS)
                 Total volume =       1.087 (Ac.Ft)
         Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
         Peak (CFS)      0.000     0.000     0.000     0.000     0.000
         Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
 ***********************************************************************

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 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Process from Point/Station       10.200 to Point/Station       10.200
 **** STORE OR DELETE CURRENT HYDROGRAPH ****
 _______________________________________________________________________
 Current stream hydrograph of   5.0 minute
 intervals has been stored as stream number 1 with
 a starting time of   0.00 hours and ending time of  25.00 hours
 With a total volume of       0.30(Ac.Ft)
 ****************************HYDROGRAPH DATA****************************
                 Number of intervals =     0
                 Time interval =    0.0 (Min.)
                 Maximum/Peak flow rate =        0.000 (CFS)
                 Total volume =       0.000 (Ac.Ft)
         Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
         Peak (CFS)      0.215     0.000     0.000     0.000     0.000
         Vol (Ac.Ft)      0.299     0.000     0.000     0.000     0.000
 ***********************************************************************

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 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 Process from Point/Station       10.400 to Point/Station       10.500
 **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
 _______________________________________________________________________
 ********************* HYDROGRAPH INFORMATION **********************

                 From study/file name: MESAP10B1006100.rte
 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                  P R I N T  O F  S T O R M
                Runoff  Hydrograph
 -----------------------------------------------------------------------
             Hydrograph in   5   Minute intervals (CFS)

 -----------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        8.7      17.4      26.1      34.8
-------------------------------------------------------------------------
  0+ 5       0.5431      0.54  Q         |         |         |         |
  0+10       1.3664      1.37  |Q        |         |         |         |
  0+15       1.6206      1.62  |Q        |         |         |         |
  0+20       1.6635      1.66  |Q        |         |         |         |
  0+25       1.6677      1.67  |Q        |         |         |         |
  0+30       1.7763      1.78  | Q       |         |         |         |
  0+35       1.9192      1.92  | Q       |         |         |         |
  0+40       1.9415      1.94  | Q       |         |         |         |
  0+45       1.9456      1.95  | Q       |         |         |         |
  0+50       1.9456      1.95  | Q       |         |         |         |
  0+55       1.9456      1.95  | Q       |         |         |         |
  1+ 0       2.0542      2.05  | Q       |         |         |         |
  1+ 5       2.1972      2.20  | Q       |         |         |         |
  1+10       2.2194      2.22  | Q       |         |         |         |
  1+15       2.2236      2.22  | Q       |         |         |         |
  1+20       2.2236      2.22  | Q       |         |         |         |
  1+25       2.2236      2.22  | Q       |         |         |         |
  1+30       2.2236      2.22  | Q       |         |         |         |
  1+35       2.2236      2.22  | Q       |         |         |         |
  1+40       2.2236      2.22  | Q       |         |         |         |
  1+45       2.2236      2.22  | Q       |         |         |         |
  1+50       2.2236      2.22  | Q       |         |         |         |
  1+55       2.2236      2.22  | Q       |         |         |         |
  2+ 0       2.3322      2.33  | Q       |         |         |         |
  2+ 5       2.3665      2.37  | Q       |         |         |         |
  2+10       2.3544      2.35  | Q       |         |         |         |
  2+15       2.4793      2.48  | Q       |         |         |         |
  2+20       2.4974      2.50  | Q       |         |         |         |
  2+25       2.5015      2.50  | Q       |         |         |         |
  2+30       2.5015      2.50  | Q       |         |         |         |
  2+35       2.5015      2.50  | Q       |         |         |         |
  2+40       2.5015      2.50  | Q       |         |         |         |
  2+45       2.7043      2.70  |  Q      |         |         |         |
  2+50       2.9713      2.97  |  Q      |         |         |         |
  2+55       3.0128      3.01  |  Q      |         |         |         |
  3+ 0       3.0206      3.02  |  Q      |         |         |         |
  3+ 5       3.0206      3.02  |  Q      |         |         |         |
  3+10       3.3309      3.33  |  Q      |         |         |         |
  3+15       3.7393      3.74  |   Q     |         |         |         |
  3+20       3.8029      3.80  |   Q     |         |         |         |
  3+25       4.1250      4.13  |   Q     |         |         |         |
  3+30       4.8437      4.84  |    Q    |         |         |         |
  3+35       5.6260      5.63  |     Q   |         |         |         |
  3+40       6.1098      6.11  |      Q  |         |         |         |
  3+45       6.4956      6.50  |      Q  |         |         |         |
  3+50       6.9158      6.92  |      Q  |         |         |         |
  3+55       7.2897      7.29  |       Q |         |         |         |
  4+ 0       7.7099      7.71  |       Q |         |         |         |
  4+ 5       8.0838      8.08  |        Q|         |         |         |
  4+10       8.8144      8.81  |         Q         |         |         |
  4+15       9.5967      9.60  |          |Q       |         |         |
  4+20      10.3908     10.39  |          |Q       |         |         |
  4+25      11.1849     11.18  |          | Q      |         |         |
  4+30      11.6687     11.67  |          |  Q     |         |         |
  4+35      12.0545     12.05  |          |  Q     |         |         |
  4+40      12.7850     12.79  |          |   Q    |         |         |
  4+45      13.5673     13.57  |          |    Q   |         |         |
  4+50      14.0511     14.05  |          |     Q  |         |         |
  4+55      14.4369     14.44  |          |     Q  |         |         |
  5+ 0      15.1674     15.17  |          |      Q |         |         |
  5+ 5      17.1910     17.19  |          |       Q|         |         |
  5+10      20.8600     20.86  |          |        |  Q      |         |
  5+15      24.1627     24.16  |          |        |      Q  |         |
  5+20      26.6959     26.70  |          |        |         Q         |
  5+25      29.7226     29.72  |          |        |         |   Q     |
  5+30      34.7837     34.78  |          |        |         |        Q|
  5+35      27.3307     27.33  |          |        |         |Q        |
  5+40       9.8557      9.86  |          |       Q|         |         |
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    5+45       3.3415      3.34  |  Q       |         |         |         |
    5+50       1.7525      1.75  | Q        |         |         |         |
    5+55       1.2113      1.21  |Q         |         |         |         |
    6+ 0       0.7822      0.78  Q          |         |         |         |
    6+ 5       0.3733      0.37  Q          |         |         |         |
    6+10       0.0569      0.06  Q          |         |         |         |
    6+15       0.0083      0.01  Q          |         |         |         |
--------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA**************************
                    Number of intervals =    75
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       34.784 (CFS)
                    Total volume =       3.316 (Ac.Ft)
              Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.215     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.299     0.000     0.000     0.000     0.000
        ********************************************************************

        ------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.500 to Point/Station       10.700
        **** STREAM ROUTING SCS CONVEX METHOD ****
        __________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =   1567.00 (Ft.)
        Elevation difference =   33.00 (Ft.)
        Slope of channel =  0.021059 (Vert/Horiz)
        Channel type - Pipe


        Pipe length  =  1567.00(Ft.)   Elevation difference =  33.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using mean flow rate of hydrograph
        Required pipe flow  =     6.927(CFS)
        Given pipe size =     30.00(In.)
        Calculated individual pipe flow  =     6.927(CFS)
        Normal flow depth in pipe =    6.91(In.)
        Flow top width inside pipe =   25.26(In.)
        Critical Depth =    0.87(Ft.)
        Pipe flow velocity =      8.10(Ft/s)
        Travel time through pipe =    3.22 min.


        Pipe length  =  1567.00(Ft.)   Elevation difference =  33.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using maximum flow rate of hydrograph
        Required pipe flow  =    34.784(CFS)
        Given pipe size =     30.00(In.)
        Calculated individual pipe flow  =    34.784(CFS)
        Normal flow depth in pipe =   16.48(In.)
        Flow top width inside pipe =   29.85(In.)
        Critical Depth =    2.00(Ft.)
        Pipe flow velocity =     12.60(Ft/s)
        Travel time through pipe =    2.07 min.


        ********************** SCS CONVEX CHANNEL ROUTING **********************
        Convex method of stream routing  data items:
        Using equation: Outflow =

        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.8811   Travel time =   2.07 (min.)
                dt*(unit time interval) =   5.00(min.),  e=   2.1579
                dt(routing time-step) =   1.83 (min.),   c* =   0.9899

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        8.7      17.4      26.1      34.8
------------------------------------------------------------------------
  0+ 5       0.3412      0.54  O        |         |         |         |
  0+10       1.0582      1.37  |O       |         |         |         |
  0+15       1.5229      1.62  |O       |         |         |         |
  0+20       1.6466      1.66  |O       |         |         |         |
  0+25       1.6660      1.67  |O       |         |         |         |
  0+30       1.7359      1.78  |OI      |         |         |         |
  0+35       1.8657      1.92  | O      |         |         |         |
  0+40       1.9327      1.94  | O      |         |         |         |
  0+45       1.9440      1.95  | O      |         |         |         |
  0+50       1.9456      1.95  | O      |         |         |         |
  0+55       1.9456      1.95  | O      |         |         |         |
  1+ 0       2.0138      2.05  | O      |         |         |         |
  1+ 5       2.1436      2.20  | O      |         |         |         |
  1+10       2.2106      2.22  | O      |         |         |         |
  1+15       2.2219      2.22  | O      |         |         |         |
  1+20       2.2235      2.22  | O      |         |         |         |
  1+25       2.2236      2.22  | O      |         |         |         |
  1+30       2.2236      2.22  | O      |         |         |         |
  1+35       2.2236      2.22  | O      |         |         |         |
  1+40       2.2236      2.22  | O      |         |         |         |
  1+45       2.2236      2.22  | O      |         |         |         |
  1+50       2.2236      2.22  | O      |         |         |         |
  1+55       2.2236      2.22  | O      |         |         |         |
  2+ 0       2.2918      2.33  | O      |         |         |         |
  2+ 5       2.3533      2.37  | O      |         |         |         |
  2+10       2.3588      2.35  | O      |         |         |         |
  2+15       2.4329      2.48  | O      |         |         |         |
  2+20       2.4902      2.50  | O      |         |         |         |
  2+25       2.4999      2.50  | O      |         |         |         |
  2+30       2.5015      2.50  | O      |         |         |         |
  2+35       2.5015      2.50  | O      |         |         |         |
  2+40       2.5015      2.50  | O      |         |         |         |
  2+45       2.6289      2.70  |  O     |         |         |         |
  2+50       2.8713      2.97  |  O     |         |         |         |
  2+55       2.9964      3.01  |  O     |         |         |         |
  3+ 0       3.0175      3.02  |  O     |         |         |         |
  3+ 5       3.0205      3.02  |  O     |         |         |         |
  3+10       3.2155      3.33  |  O     |         |         |         |
  3+15       3.5863      3.74  |   O    |         |         |         |
  3+20       3.7777      3.80  |   O    |         |         |         |
  3+25       4.0050      4.13  |   O    |         |         |         |
  3+30       4.5753      4.84  |    O   |         |         |         |
  3+35       5.3325      5.63  |     O  |         |         |         |
  3+40       5.9270      6.11  |     OI |         |         |         |
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   3+45       6.3503      6.50  |      O  |         |         |         |
   3+50       6.7581      6.92  |      O  |         |         |         |
   3+55       7.1491      7.29  |       O |         |         |         |
   4+ 0       7.5523      7.71  |       O |         |         |         |
   4+ 5       7.9432      8.08  |        O|         |         |         |
   4+10       8.5413      8.81  |        OI         |         |         |
   4+15       9.3031      9.60  |         OI        |         |         |
   4+20      10.0926     10.39  |         |O        |         |         |
   4+25      10.8867     11.18  |         | O       |         |         |
   4+30      11.4859     11.67  |         |  O      |         |         |
   4+35      11.9092     12.05  |         |  O      |         |         |
   4+40      12.5119     12.79  |         |   O     |         |         |
   4+45      13.2737     13.57  |         |    O    |         |         |
   4+50      13.8683     14.05  |         |    OI   |         |         |
   4+55      14.2916     14.44  |         |     O   |         |         |
   5+ 0      14.8943     15.17  |         |      O  |         |         |
   5+ 5      16.4359     17.19  |         |       OI|         |         |
   5+10      19.4883     20.86  |         |         | OI      |         |
   5+15      22.9209     24.16  |         |         |     OI  |         |
   5+20      25.7415     26.70  |         |         |        OI         |
   5+25      28.5876     29.72  |         |         |         | O I     |
   5+30      32.8906     34.78  |         |         |         |      O  I
   5+35      30.0825     27.33  |         |         |         |I  O     |
   5+40      16.3805      9.86  |         |I      O |         |         |
   5+45       5.8293      3.34  |  I  O   |         |         |         |
   5+50       2.3684      1.75  | O       |         |         |         |
   5+55       1.4187      1.21  |O        |         |         |         |
   6+ 0       0.9438      0.78  IO        |         |         |         |
   6+ 5       0.5270      0.37  O         |         |         |         |
   6+10       0.1761      0.06  O         |         |         |         |
   6+15       0.0276      0.01  O         |         |         |         |
   6+20       0.0033      0.00  O         |         |         |         |
   6+25       0.0000      0.00  O         |         |         |         |
--------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    77
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       32.891 (CFS)
                    Total volume =       3.316 (Ac.Ft)
             Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.215     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)      0.299     0.000     0.000     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.600 to Point/Station       10.700
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      _____________________________________________________________________
      ******************** HYDROGRAPH INFORMATION **********************

                    From study/file name: MESAP10C1006100.rte
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T  O F  S T O R M
                  R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
               Hydrograph in   5   Minute intervals (CFS)

      ---------------------------------------------------------------------
```

```
Time(h+m) Add q(CFS)  Tot. Q   0       15.3      30.6      45.9      61.2
-------------------------------------------------------------------------
  0+ 5       0.5360      0.88  Q       |         |         |         |
  0+10       1.2923      2.35  qQ      |         |         |         |
  0+15       1.5112      3.03  qQ      |         |         |         |
  0+20       1.5443      3.19  |qQ      |         |         |         |
  0+25       1.5473      3.21  |qQ      |         |         |         |
  0+30       1.6545      3.39  |qQ      |         |         |         |
  0+35       1.7843      3.65  |qQ      |         |         |         |
  0+40       1.8022      3.73  |qQ      |         |         |         |
  0+45       1.8052      3.75  |qQ      |         |         |         |
  0+50       1.8052      3.75  |qQ      |         |         |         |
  0+55       1.8052      3.75  |qQ      |         |         |         |
  1+ 0       1.9124      3.93  |qQ      |         |         |         |
  1+ 5       2.0422      4.19  |qQ      |         |         |         |
  1+10       2.0600      4.27  |qQ      |         |         |         |
  1+15       2.0631      4.29  |qQ      |         |         |         |
  1+20       2.0631      4.29  |qQ      |         |         |         |
  1+25       2.0631      4.29  |qQ      |         |         |         |
  1+30       2.0631      4.29  |qQ      |         |         |         |
  1+35       2.0631      4.29  |qQ      |         |         |         |
  1+40       2.0631      4.29  |qQ      |         |         |         |
  1+45       2.0631      4.29  |qQ      |         |         |         |
  1+50       2.0631      4.29  |qQ      |         |         |         |
  1+55       2.0631      4.29  |qQ      |         |         |         |
  2+ 0       2.1711      4.46  |qQ      |         |         |         |
  2+ 5       2.1940      4.55  |qQ      |         |         |         |
  2+10       2.1891      4.55  |qQ      |         |         |         |
  2+15       2.3051      4.74  |q Q     |         |         |         |
  2+20       2.3200      4.81  |q Q     |         |         |         |
  2+25       2.3230      4.82  |q Q     |         |         |         |
  2+30       2.3230      4.82  |q Q     |         |         |         |
  2+35       2.3230      4.82  |q Q     |         |         |         |
  2+40       2.3230      4.82  |q Q     |         |         |         |
  2+45       2.5845      5.21  |q Q     |         |         |         |
  2+50       2.9012      5.77  |q Q     |         |         |         |
  2+55       2.9446      5.94  |q Q     |         |         |         |
  3+ 0       2.9520      5.97  |q Q     |         |         |         |
  3+ 5       2.9520      5.97  |q Q     |         |         |         |
  3+10       3.2135      6.43  | q Q    |         |         |         |
  3+15       3.5301      7.12  | q Q    |         |         |         |
  3+20       3.5736      7.35  | q Q    |         |         |         |
  3+25       3.8425      7.85  | q  Q   |         |         |         |
  3+30       4.4206      9.00  | q  Q   |         |         |         |
  3+35       5.0421     10.37  |  q  Q  |         |         |         |
  3+40       5.4097     11.34  |  q   Q |         |         |         |
  3+45       5.7220     12.07  |  q   Q |         |         |         |
  3+50       6.0461     12.80  |  q    Q|         |         |         |
  3+55       6.3510     13.50  |   q   Q|         |         |         |
  4+ 0       6.6751     14.23  |   q    Q|        |         |         |
  4+ 5       6.9800     14.92  |   q    Q|        |         |         |
  4+10       7.5655     16.11  |   q     Q        |         |         |
  4+15       8.1871     17.49  |    q    |Q       |         |         |
  4+20       8.8161     18.91  |    q    | Q      |         |         |
  4+25       9.4451     20.33  |     q   |  Q     |         |         |
  4+30       9.8126     21.30  |     q   |  Q     |         |         |
  4+35      10.1249     22.03  |     q   |   Q    |         |         |
  4+40      10.7105     23.22  |      q  |    Q   |         |         |
  4+45      11.3320     24.61  |      q  |     Q  |         |         |
  4+50      11.6996     25.57  |      q  |     Q  |         |         |
  4+55      12.0119     26.30  |      q  |      Q |         |         |
  5+ 0      12.5975     27.49  |       q |      Q |         |         |
```

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  5+ 5      14.2648     30.70  |        q|         Q         |         |
  5+10      17.2063     36.69  |         |q        |  Q      |         |
  5+15      19.7986     42.72  |         | q       |      Q  |         |
  5+20      21.7873     47.53  |         |   q     |         |Q        |
  5+25      24.2120     52.80  |         |    q    |         |   Q     |
  5+30      28.3010     61.19  |         |       q |         |         Q
  5+35      21.7173     51.80  |         |   q     |         |  Q      |
  5+40       7.8138     24.19  |    q    |    Q    |         |         |
  5+45       2.7839      8.61  |q   Q    |         |         |         |
  5+50       1.5771      3.95  |qQ       |         |         |         |
  5+55       1.1051      2.52  qQ        |         |         |         |
  6+ 0       0.7112      1.66  qQ        |         |         |         |
  6+ 5       0.3283      0.86  Q         |         |         |         |
  6+10       0.0448      0.22  Q         |         |         |         |
  6+15       0.0061      0.03  Q         |         |         |         |
  6+20       0.0000      0.00  Q         |         |         |         |
  6+25       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =    77
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       61.192 (CFS)
                  Total volume =       6.148 (Ac.Ft)
          Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)       0.215     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)      0.299     0.000     0.000     0.000     0.000
      ************************************************************************


      ------------------------------------------------------------------------



      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.700 to Point/Station       10.900
      **** STREAM ROUTING SCS CONVEX METHOD ****
      ________________________________________________________________________
      HYDROGRAPH STREAM ROUTING DATA:
      Length of stream =   1680.00 (Ft.)
      Elevation difference =   76.00 (Ft.)
      Slope of channel =  0.045238 (Vert/Horiz)
      Channel type - Pipe


      Pipe length  =  1680.00(Ft.)   Elevation difference =  76.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using mean flow rate of hydrograph
      Required pipe flow  =    12.697(CFS)
      Given pipe size =     42.00(In.)
      Calculated individual pipe flow  =    12.697(CFS)
      Normal flow depth in pipe =    6.94(In.)
      Flow top width inside pipe =   31.19(In.)
      Critical Depth =    1.08(Ft.)
      Pipe flow velocity =     12.19(Ft/s)
      Travel time through pipe =    2.30 min.


      Pipe length  =  1680.00(Ft.)   Elevation difference =  76.00(Ft.)
      Manning's N = 0.013   No. of pipes = 1
      Pipe evaluation using maximum flow rate of hydrograph
      Required pipe flow  =    61.192(CFS)
      Given pipe size =     42.00(In.)
      Calculated individual pipe flow  =    61.192(CFS)
      Normal flow depth in pipe =   15.38(In.)
      Flow top width inside pipe =   40.47(In.)
      Critical Depth =    2.45(Ft.)
      Pipe flow velocity =     19.19(Ft/s)
      Travel time through pipe =    1.46 min.


      ********************** SCS CONVEX CHANNEL ROUTING **********************
      Convex method of stream routing  data items:
      Using equation: Outflow =
      O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                where c* = 1 - (1-c)^e and dt = c(length)/velocity
                c(v/v+1.7) =   0.9186   Travel time =   1.46 (min.)
              dt*(unit time interval) =   5.00(min.),  e=   2.8202
              dt(routing time-step) =   1.34 (min.),   c* =   0.9992

      Output hydrograph delayed by 0  unit time increments


      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T   O F   S T O R M
                     R u n o f f     H y d r o g r a p h
      ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals (CFS)
      ------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0       15.3      30.6      45.9      61.2
------------------------------------------------------------------------
  0+ 5       0.6414      0.88  O         |         |         |         |
  0+10       1.9545      2.35  |O        |         |         |         |
  0+15       2.8502      3.03  |O        |         |         |         |
  0+20       3.1486      3.19  | O       |         |         |         |
  0+25       3.2072      3.21  | O       |         |         |         |
  0+30       3.3428      3.39  | O       |         |         |         |
  0+35       3.5802      3.65  | O       |         |         |         |
  0+40       3.7120      3.73  | O       |         |         |         |
  0+45       3.7453      3.75  | O       |         |         |         |
  0+50       3.7504      3.75  | O       |         |         |         |
  0+55       3.7508      3.75  | O       |         |         |         |
  1+ 0       3.8791      3.93  | O       |         |         |         |
  1+ 5       4.1161      4.19  | O       |         |         |         |
  1+10       4.2478      4.27  | O       |         |         |         |
  1+15       4.2811      4.29  | O       |         |         |         |
  1+20       4.2862      4.29  | O       |         |         |         |
  1+25       4.2866      4.29  | O       |         |         |         |
  1+30       4.2866      4.29  | O       |         |         |         |
  1+35       4.2866      4.29  | O       |         |         |         |
  1+40       4.2866      4.29  | O       |         |         |         |
  1+45       4.2866      4.29  | O       |         |         |         |
  1+50       4.2866      4.29  | O       |         |         |         |
  1+55       4.2866      4.29  | O       |         |         |         |
  2+ 0       4.4156      4.46  | O       |         |         |         |
  2+ 5       4.5246      4.55  | O       |         |         |         |
  2+10       4.5477      4.55  | O       |         |         |         |
  2+15       4.6869      4.74  |  O      |         |         |         |
  2+20       4.7907      4.81  |  O      |         |         |         |
  2+25       4.8195      4.82  |  O      |         |         |         |
  2+30       4.8241      4.82  |  O      |         |         |         |
  2+35       4.8245      4.82  |  O      |         |         |         |
  2+40       4.8245      4.82  |  O      |         |         |         |
  2+45       5.1089      5.21  |  O      |         |         |         |
  2+50       5.6221      5.77  |  O      |         |         |         |
```

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   2+55       5.8956      5.94  |  O      |         |         |         |
   3+ 0       5.9618      5.97  |  O      |         |         |         |
   3+ 5       5.9717      5.97  |  O      |         |         |         |
   3+10       6.3063      6.43  |   O     |         |         |         |
   3+15       6.9316      7.12  |   O     |         |         |         |
   3+20       7.2880      7.35  |   O     |         |         |         |
   3+25       7.7141      7.85  |    O    |         |         |         |
   3+30       8.6872      9.00  |    O    |         |         |         |
   3+35      10.0039     10.37  |     O   |         |         |         |
   3+40      11.0779     11.34  |      O  |         |         |         |
   3+45      11.8744     12.07  |      O  |         |         |         |
   3+50      12.6074     12.80  |       O |         |         |         |
   3+55      13.3129     13.50  |       O |         |         |         |
   4+ 0      14.0318     14.23  |        O|         |         |         |
   4+ 5      14.7361     14.92  |        O|         |         |         |
   4+10      15.7887     16.11  |         O         |         |         |
   4+15      17.1182     17.49  |         |O        |         |         |
   4+20      18.5272     18.91  |         | O       |         |         |
   4+25      19.9491     20.33  |         |  O      |         |         |
   4+30      21.0384     21.30  |         |  O      |         |         |
   4+35      21.8363     22.03  |         |   O     |         |         |
   4+40      22.9030     23.22  |         |   OI    |         |         |
   4+45      24.2338     24.61  |         |    OI   |         |         |
   4+50      25.3091     25.57  |         |     O   |         |         |
   4+55      26.1056     26.30  |         |      O  |         |         |
   5+ 0      27.1723     27.49  |         |      O  |         |         |
   5+ 5      29.8382     30.70  |         |        OI         |         |
   5+10      35.0833     36.69  |         |         | OI      |         |
   5+15      41.0993     42.72  |         |         |     OI  |         |
   5+20      46.2353     47.53  |         |         |         OI        |
   5+25      51.3824     52.80  |         |         |         |  OI     |
   5+30      58.9356     61.19  |         |         |         |       O I
   5+35      54.3214     51.80  |         |         |         |  I O    |
   5+40      31.6137     24.19  |         |    I    O         |         |
   5+45      12.8060      8.61  |    I  O |         |         |         |
   5+50       5.2032      3.95  | IO      |         |         |         |
   5+55       2.9068      2.52  |O        |         |         |         |
   6+ 0       1.8888      1.66  |O        |         |         |         |
   6+ 5       1.0704      0.86  O         |         |         |         |
   6+10       0.3915      0.22  O         |         |         |         |
   6+15       0.0841      0.03  O         |         |         |         |
   6+20       0.0115      0.00  O         |         |         |         |
   6+25       0.0009      0.00  O         |         |         |         |
   6+30       0.0000      0.00  O         |         |         |         |
--------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                      Number of intervals =    78
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =       58.936 (CFS)
                      Total volume =       6.148 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.215     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.299     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.800 to Point/Station       10.900
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
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        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP10D1006100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          P R I N T  O F  S T O R M
                        R u n o f f     H y d r o g r a p h
        ----------------------------------------------------------------------
                     Hydrograph in   5   Minute intervals (CFS)

        ----------------------------------------------------------------------
      Time(h+m) Add q(CFS)  Tot. Q   0       26.7      53.3      80.0      106.6
      ----------------------------------------------------------------------------
        0+ 5       1.1753      1.82  Q         |         |         |         |
        0+10       3.3697      5.32  |Q        |         |         |         |
        0+15       4.1653      7.02  |qQ       |         |         |         |
        0+20       4.3221      7.47  |qQ       |         |         |         |
        0+25       4.3627      7.57  |qQ       |         |         |         |
        0+30       4.6170      7.96  |qQ       |         |         |         |
        0+35       5.0326      8.61  |q Q      |         |         |         |
        0+40       5.1182      8.83  |q Q      |         |         |         |
        0+45       5.1344      8.88  |q Q      |         |         |         |
        0+50       5.1397      8.89  |q Q      |         |         |         |
        0+55       5.1397      8.89  |q Q      |         |         |         |
        1+ 0       5.4662      9.35  | qQ      |         |         |         |
        1+ 5       6.0105     10.13  | qQ      |         |         |         |
        1+10       6.1226     10.37  | qQ      |         |         |         |
        1+15       6.1437     10.42  | qQ      |         |         |         |
        1+20       6.1508     10.44  | qQ      |         |         |         |
        1+25       6.1508     10.44  | qQ      |         |         |         |
        1+30       6.1508     10.44  | qQ      |         |         |         |
        1+35       6.1508     10.44  | qQ      |         |         |         |
        1+40       6.1508     10.44  | qQ      |         |         |         |
        1+45       6.1508     10.44  | qQ      |         |         |         |
        1+50       6.1508     10.44  | qQ      |         |         |         |
        1+55       6.1508     10.44  | qQ      |         |         |         |
        2+ 0       6.4773     10.89  | q Q     |         |         |         |
        2+ 5       6.6951     11.22  | q Q     |         |         |         |
        2+10       6.5894     11.14  | q Q     |         |         |         |
        2+15       7.0426     11.73  | q Q     |         |         |         |
        2+20       7.1407     11.93  | q Q     |         |         |         |
        2+25       7.1548     11.97  | q Q     |         |         |         |
        2+30       7.1619     11.99  | q Q     |         |         |         |
        2+35       7.1619     11.99  | q Q     |         |         |         |
        2+40       7.1619     11.99  | q Q     |         |         |         |
        2+45       7.4883     12.60  | q Q     |         |         |         |
        2+50       8.0326     13.65  |  q Q    |         |         |         |
        2+55       8.1447     14.04  |  q Q    |         |         |         |
        3+ 0       8.1659     14.13  |  q Q    |         |         |         |
        3+ 5       8.1729     14.14  |  q Q    |         |         |         |
        3+10       8.4994     14.81  |  q Q    |         |         |         |
        3+15       9.0436     15.98  |  q Q    |         |         |         |
        3+20       9.1558     16.44  |  q  Q   |         |         |         |
        3+25       9.5034     17.22  |  q  Q   |         |         |         |
        3+30      10.3812     19.07  |  q   Q  |         |         |         |
        3+35      11.3640     21.37  |   q   Q |         |         |         |
        3+40      12.0416     23.12  |   q   Q |         |         |         |
        3+45      12.5084     24.38  |   q    Q|         |         |         |
        3+50      13.0808     25.69  |   q    Q|         |         |         |
        3+55      13.5265     26.84  |    q    Q         |         |         |
        4+ 0      14.0918     28.12  |    q    Q         |         |         |
        4+ 5      14.5375     29.27  |    q    Q         |         |         |
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   4+10      15.4294     31.22  |    q    |Q        |         |         |
   4+15      16.4193     33.54  |     q   | Q       |         |         |
   4+20      17.4233     35.95  |     q   |  Q      |         |         |
   4+25      18.4344     38.38  |     q   |   Q     |         |         |
   4+30      19.1190     40.16  |      q  |    Q    |         |         |
   4+35      19.5858     41.42  |      q  |    Q    |         |         |
   4+40      20.4846     43.39  |      q  |     Q   |         |         |
   4+45      21.4746     45.71  |       q |      Q  |         |         |
   4+50      22.1521     47.46  |       q |      Q  |         |         |
   4+55      22.6189     48.72  |       q |       Q |         |         |
   5+ 0      23.5178     50.69  |       q |        Q|         |         |
   5+ 5      25.8136     55.65  |        q|         Q         |         |
   5+10      30.3005     65.38  |         |q        |   Q     |         |
   5+15      34.5902     75.69  |         | q       |      Q  |         |
   5+20      37.8758     84.11  |         |   q     |         |Q        |
   5+25      41.6182     93.00  |         |    q    |         |   Q     |
   5+30      47.7129    106.65  |         |      q  |         |      Q  |
   5+35      41.1770     95.50  |         |    q    |         |    Q    |
   5+40      18.9111     50.52  |       q |       Q |         |         |
   5+45       8.6415     21.45  |  q    Q |         |         |         |
   5+50       5.0631     10.27  |q Q      |         |         |         |
   5+55       3.4191      6.33  |qQ       |         |         |         |
   6+ 0       2.1907      4.08  qQ        |         |         |         |
   6+ 5       1.1325      2.20  Q         |         |         |         |
   6+10       0.2325      0.62  Q         |         |         |         |
   6+15       0.0456      0.13  Q         |         |         |         |
   6+20       0.0102      0.02  Q         |         |         |         |
   6+25       0.0000      0.00  Q         |         |         |         |
   6+30       0.0000      0.00  Q         |         |         |         |
--------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    78
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =      106.648 (CFS)
                    Total volume =      12.183 (Ac.Ft)
             Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.215     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)      0.299     0.000     0.000     0.000     0.000
      ***********************************************************************


      ---------------------------------------------------------------------



      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.900 to Point/Station       10.900
      **** RETARDING BASIN ROUTING ****
      _____________________________________________________________________

      User entry of depth-outflow-storage data
      ---------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 78
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
```

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.202	0.500	0.200	0.204
2.000	0.459	0.730	0.456	0.462
3.000	0.776	0.910	0.773	0.779
4.000	1.161	1.060	1.157	1.165
5.000	1.619	1.190	1.615	1.623
6.000	2.155	1.300	2.151	2.159
7.000	2.778	1.410	2.773	2.783
8.000	3.493	1.510	3.488	3.498
9.000	4.304	1.600	4.298	4.310
10.000	5.213	1.690	5.207	5.219
10.500	5.705	1.730	5.699	5.711
11.000	6.223	1.770	6.217	6.229
12.000	7.337	10.090	7.302	7.372
13.000	8.556	14.950	8.505	8.607
14.000	9.883	26.700	9.791	9.975
15.000	11.321	68.380	11.086	11.556
16.000	12.871	136.500	12.401	13.341
16.500	13.690	177.350	13.079	14.301

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	26.7	53.32	79.99	106.65	Depth (Ft.)
0.083	1.82	0.02	0.006	O	|	|	|	|	0.03
0.167	5.32	0.08	0.030	OI	|	|	|	|	0.15
0.250	7.02	0.18	0.072	O I	|	|	|	|	0.36
0.333	7.47	0.30	0.120	O I	|	|	|	|	0.60
0.417	7.57	0.42	0.170	O I	|	|	|	|	0.84
0.500	7.96	0.52	0.220	O I	|	|	|	|	1.07
0.583	8.61	0.56	0.273	O I	|	|	|	|	1.28
0.667	8.83	0.61	0.329	O I	|	|	|	|	1.50
0.750	8.88	0.66	0.386	O I	|	|	|	|	1.72
0.833	8.89	0.72	0.442	O I	|	|	|	|	1.94
0.917	8.89	0.75	0.498	O I	|	|	|	|	2.12
1.000	9.35	0.79	0.556	O I	|	|	|	|	2.31
1.083	10.13	0.82	0.617	O I	|	|	|	|	2.50
1.167	10.37	0.86	0.682	O I	|	|	|	|	2.70
1.250	10.42	0.89	0.748	O I	|	|	|	|	2.91
1.333	10.44	0.92	0.813	O I	|	|	|	|	3.10
1.417	10.44	0.95	0.879	O I	|	|	|	|	3.27
1.500	10.44	0.98	0.944	O I	|	|	|	|	3.44
1.583	10.44	1.00	1.009	O I	|	|	|	|	3.61
1.667	10.44	1.03	1.074	O I	|	|	|	|	3.77
1.750	10.44	1.05	1.139	O I	|	|	|	|	3.94
1.833	10.44	1.07	1.203	O I	|	|	|	|	4.09
1.917	10.44	1.09	1.268	O I	|	|	|	|	4.23
2.000	10.89	1.11	1.334	O I	|	|	|	|	4.38
2.083	11.22	1.13	1.402	O I	|	|	|	|	4.53
2.167	11.14	1.15	1.471	O I	|	|	|	|	4.68
2.250	11.73	1.17	1.542	O I	|	|	|	|	4.83
2.333	11.93	1.19	1.615	O I	|	|	|	|	4.99
2.417	11.97	1.20	1.690	O I	|	|	|	|	5.13
2.500	11.99	1.22	1.764	O I	|	|	|	|	5.27
2.583	11.99	1.23	1.838	O I	|	|	|	|	5.41
2.667	11.99	1.25	1.912	O I	|	|	|	|	5.55

2.750	12.60	1.27	1.988	O	I					5.69	7.917	0.00	10.24	7.375	I	O					12.03
2.833	13.65	1.28	2.069	O	I					5.84	8.000	0.00	9.85	7.305	I	O					11.97
2.917	14.04	1.30	2.156	O	I					6.00	8.083	0.00	9.36	7.239	I	O					11.91
3.000	14.13	1.32	2.244	O	I					6.14	8.167	0.00	8.89	7.176	I	O					11.86
3.083	14.14	1.33	2.332	O	I					6.28	8.250	0.00	8.44	7.117	I	O					11.80
3.167	14.81	1.35	2.423	O	I					6.43	8.333	0.00	8.02	7.060	I	O					11.75
3.250	15.98	1.36	2.519	O	I					6.58	8.417	0.00	7.62	7.006	I	O					11.70
3.333	16.44	1.38	2.621	O	I					6.75	8.500	0.00	7.24	6.955	I	O					11.66
3.417	17.22	1.40	2.728	O	I					6.92	8.583	0.00	6.87	6.906	I	O					11.61
3.500	19.07	1.42	2.843	O	I					7.09	8.667	0.00	6.53	6.860	I	O					11.57
3.583	21.37	1.44	2.972	O	I					7.27	8.750	0.00	6.20	6.816	I	O					11.53
3.667	23.12	1.46	3.116	O	I					7.47	8.833	0.00	5.89	6.775	I	O					11.50
3.750	24.38	1.48	3.269	O	I					7.69	8.917	0.00	5.60	6.735	I	O					11.46
3.833	25.69	1.50	3.431	O	I					7.91	9.000	0.00	5.31	6.698	I	O					11.43
3.917	26.84	1.52	3.602	O	I					8.13	9.083	0.00	5.05	6.662	I	O					11.39
4.000	28.12	1.54	3.780	O	I					8.35	9.167	0.00	4.79	6.628	I	O					11.36
4.083	29.27	1.56	3.967	O	I					8.58	9.250	0.00	4.55	6.596	I	O					11.33
4.167	31.22	1.58	4.165	O	I					8.83	9.333	0.00	4.33	6.565	I	O					11.31
4.250	33.54	1.61	4.377	O	I					9.08	9.417	0.00	4.11	6.536	I	O					11.28
4.333	35.95	1.63	4.605	O	I					9.33	9.500	0.00	3.90	6.509	I	O					11.26
4.417	38.38	1.65	4.850	O	I					9.60	9.583	0.00	3.71	6.482	I	O					11.23
4.500	40.16	1.68	5.109	O	I					9.89	9.667	0.00	3.52	6.458	I	O					11.21
4.583	41.42	1.70	5.378	O	I					10.17	9.750	0.00	3.34	6.434	I	O					11.19
4.667	43.39	1.73	5.658	O	I					10.45	9.833	0.00	3.18	6.411	O						11.17
4.750	45.71	1.75	5.953	O	I					10.74	9.917	0.00	3.02	6.390	O						11.15
4.833	47.46	2.05	6.261	O	I					11.03	10.000	0.00	2.87	6.370	O						11.13
4.917	48.72	4.36	6.570	O	I					11.31	10.083	0.00	2.72	6.351	O						11.11
5.000	50.69	6.63	6.874	O	I					11.58	10.167	0.00	2.59	6.332	O						11.10
5.083	55.65	8.97	7.187	O	I					11.87	10.250	0.00	2.46	6.315	O						11.08
5.167	65.38	10.88	7.535	O	I					12.16	10.333	0.00	2.33	6.298	O						11.07
5.250	75.69	12.50	7.941	O	I					12.50	10.417	0.00	2.22	6.283	O						11.05
5.333	84.11	14.32	8.398	O	I					12.87	10.500	0.00	2.11	6.268	O						11.04
5.417	93.00	17.97	8.897	O	I					13.26	10.583	0.00	2.00	6.254	O						11.03
5.500	106.65	22.81	9.444	O	I					13.67	10.667	0.00	1.90	6.240	O						11.02
5.583	95.50	28.99	9.962	O	I					14.05	10.750	0.00	1.80	6.228	O						11.00
5.667	50.52	36.98	10.238	O	I					14.25	10.833	0.00	1.77	6.215	O						10.99
5.750	21.45	36.80	10.231	O	I					14.24	10.917	0.00	1.77	6.203	O						10.98
5.833	10.27	33.00	10.100	O	I					14.15	11.000	0.00	1.77	6.191	O						10.97
5.917	6.33	28.51	9.946	O	I					14.04	11.083	0.00	1.77	6.179	O						10.96
6.000	4.08	25.91	9.794	O	I					13.93	11.167	0.00	1.77	6.167	O						10.95
6.083	2.20	24.56	9.642	O	I					13.82	11.250	0.00	1.76	6.154	O						10.93
6.167	0.62	23.19	9.487	O	I					13.70	11.333	0.00	1.76	6.142	O						10.92
6.250	0.13	21.84	9.335	O	I					13.59	11.417	0.00	1.76	6.130	O						10.91
6.333	0.02	20.56	9.189	O	I					13.48	11.500	0.00	1.76	6.118	O						10.90
6.417	0.00	19.34	9.052	O	I					13.37	11.583	0.00	1.76	6.106	O						10.89
6.500	0.00	18.20	8.923	O	I					13.28	11.667	0.00	1.76	6.094	O						10.88
6.583	0.00	17.12	8.801	O	I					13.18	11.750	0.00	1.76	6.082	O						10.86
6.667	0.00	16.11	8.687	O	I					13.10	11.833	0.00	1.76	6.069	O						10.85
6.750	0.00	15.15	8.579	O	I					13.02	11.917	0.00	1.76	6.057	O						10.84
6.833	0.00	14.63	8.476	O	I					12.93	12.000	0.00	1.76	6.045	O						10.83
6.917	0.00	14.24	8.377	O	I					12.85	12.083	0.00	1.76	6.033	O						10.82
7.000	0.00	13.85	8.280	O	I					12.77	12.167	0.00	1.75	6.021	O						10.81
7.083	0.00	13.48	8.186	O	I					12.70	12.250	0.00	1.75	6.009	O						10.79
7.167	0.00	13.11	8.095	O	I					12.62	12.333	0.00	1.75	5.997	O						10.78
7.250	0.00	12.76	8.005	O	I					12.55	12.417	0.00	1.75	5.985	O						10.77
7.333	0.00	12.41	7.919	O	I					12.48	12.500	0.00	1.75	5.973	O						10.76
7.417	0.00	12.07	7.835	O	I					12.41	12.583	0.00	1.75	5.961	O						10.75
7.500	0.00	11.75	7.752	O	I					12.34	12.667	0.00	1.75	5.949	O						10.74
7.583	0.00	11.43	7.673	O	I					12.28	12.750	0.00	1.75	5.937	O						10.72
7.667	0.00	11.12	7.595	O	I					12.21	12.833	0.00	1.75	5.925	O						10.71
7.750	0.00	10.82	7.520	O	I					12.15	12.917	0.00	1.75	5.913	O						10.70
7.833	0.00	10.52	7.446	O	I					12.09	13.000	0.00	1.75	5.901	O						10.69

13.083	0.00	1.74	5.889	O					10.68	18.250	0.00	1.68	5.156	O					9.94
13.167	0.00	1.74	5.877	O					10.67	18.333	0.00	1.68	5.145	O					9.92
13.250	0.00	1.74	5.865	O					10.65	18.417	0.00	1.68	5.133	O					9.91
13.333	0.00	1.74	5.853	O					10.64	18.500	0.00	1.68	5.122	O					9.90
13.417	0.00	1.74	5.841	O					10.63	18.583	0.00	1.68	5.110	O					9.89
13.500	0.00	1.74	5.829	O					10.62	18.667	0.00	1.68	5.098	O					9.87
13.583	0.00	1.74	5.817	O					10.61	18.750	0.00	1.68	5.087	O					9.86
13.667	0.00	1.74	5.805	O					10.60	18.833	0.00	1.68	5.075	O					9.85
13.750	0.00	1.74	5.793	O					10.58	18.917	0.00	1.68	5.064	O					9.84
13.833	0.00	1.74	5.781	O					10.57	19.000	0.00	1.67	5.052	O					9.82
13.917	0.00	1.73	5.769	O					10.56	19.083	0.00	1.67	5.041	O					9.81
14.000	0.00	1.73	5.757	O					10.55	19.167	0.00	1.67	5.029	O					9.80
14.083	0.00	1.73	5.745	O					10.54	19.250	0.00	1.67	5.018	O					9.79
14.167	0.00	1.73	5.733	O					10.53	19.333	0.00	1.67	5.006	O					9.77
14.250	0.00	1.73	5.721	O					10.52	19.417	0.00	1.67	4.995	O					9.76
14.333	0.00	1.73	5.709	O					10.50	19.500	0.00	1.67	4.983	O					9.75
14.417	0.00	1.73	5.697	O					10.49	19.583	0.00	1.67	4.972	O					9.73
14.500	0.00	1.73	5.685	O					10.48	19.667	0.00	1.66	4.960	O					9.72
14.583	0.00	1.73	5.673	O					10.47	19.750	0.00	1.66	4.949	O					9.71
14.667	0.00	1.73	5.662	O					10.46	19.833	0.00	1.66	4.937	O					9.70
14.750	0.00	1.73	5.650	O					10.44	19.917	0.00	1.66	4.926	O					9.68
14.833	0.00	1.72	5.638	O					10.43	20.000	0.00	1.66	4.914	O					9.67
14.917	0.00	1.72	5.626	O					10.42	20.083	0.00	1.66	4.903	O					9.66
15.000	0.00	1.72	5.614	O					10.41	20.167	0.00	1.66	4.892	O					9.65
15.083	0.00	1.72	5.602	O					10.40	20.250	0.00	1.66	4.880	O					9.63
15.167	0.00	1.72	5.590	O					10.38	20.333	0.00	1.66	4.869	O					9.62
15.250	0.00	1.72	5.578	O					10.37	20.417	0.00	1.65	4.857	O					9.61
15.333	0.00	1.72	5.567	O					10.36	20.500	0.00	1.65	4.846	O					9.60
15.417	0.00	1.72	5.555	O					10.35	20.583	0.00	1.65	4.835	O					9.58
15.500	0.00	1.72	5.543	O					10.34	20.667	0.00	1.65	4.823	O					9.57
15.583	0.00	1.72	5.531	O					10.32	20.750	0.00	1.65	4.812	O					9.56
15.667	0.00	1.71	5.519	O					10.31	20.833	0.00	1.65	4.801	O					9.55
15.750	0.00	1.71	5.507	O					10.30	20.917	0.00	1.65	4.789	O					9.53
15.833	0.00	1.71	5.496	O					10.29	21.000	0.00	1.65	4.778	O					9.52
15.917	0.00	1.71	5.484	O					10.28	21.083	0.00	1.65	4.766	O					9.51
16.000	0.00	1.71	5.472	O					10.26	21.167	0.00	1.64	4.755	O					9.50
16.083	0.00	1.71	5.460	O					10.25	21.250	0.00	1.64	4.744	O					9.48
16.167	0.00	1.71	5.449	O					10.24	21.333	0.00	1.64	4.732	O					9.47
16.250	0.00	1.71	5.437	O					10.23	21.417	0.00	1.64	4.721	O					9.46
16.333	0.00	1.71	5.425	O					10.22	21.500	0.00	1.64	4.710	O					9.45
16.417	0.00	1.71	5.413	O					10.20	21.583	0.00	1.64	4.699	O					9.43
16.500	0.00	1.71	5.402	O					10.19	21.667	0.00	1.64	4.687	O					9.42
16.583	0.00	1.70	5.390	O					10.18	21.750	0.00	1.64	4.676	O					9.41
16.667	0.00	1.70	5.378	O					10.17	21.833	0.00	1.64	4.665	O					9.40
16.750	0.00	1.70	5.366	O					10.16	21.917	0.00	1.63	4.654	O					9.38
16.833	0.00	1.70	5.355	O					10.14	22.000	0.00	1.63	4.642	O					9.37
16.917	0.00	1.70	5.343	O					10.13	22.083	0.00	1.63	4.631	O					9.36
17.000	0.00	1.70	5.331	O					10.12	22.167	0.00	1.63	4.620	O					9.35
17.083	0.00	1.70	5.319	O					10.11	22.250	0.00	1.63	4.609	O					9.34
17.167	0.00	1.70	5.308	O					10.10	22.333	0.00	1.63	4.597	O					9.32
17.250	0.00	1.70	5.296	O					10.08	22.417	0.00	1.63	4.586	O					9.31
17.333	0.00	1.70	5.284	O					10.07	22.500	0.00	1.63	4.575	O					9.30
17.417	0.00	1.69	5.273	O					10.06	22.583	0.00	1.63	4.564	O					9.29
17.500	0.00	1.69	5.261	O					10.05	22.667	0.00	1.62	4.552	O					9.27
17.583	0.00	1.69	5.249	O					10.04	22.750	0.00	1.62	4.541	O					9.26
17.667	0.00	1.69	5.238	O					10.03	22.833	0.00	1.62	4.530	O					9.25
17.750	0.00	1.69	5.226	O					10.01	22.917	0.00	1.62	4.519	O					9.24
17.833	0.00	1.69	5.214	O					10.00	23.000	0.00	1.62	4.508	O					9.22
17.917	0.00	1.69	5.203	O					9.99	23.083	0.00	1.62	4.497	O					9.21
18.000	0.00	1.69	5.191	O					9.98	23.167	0.00	1.62	4.486	O					9.20
18.083	0.00	1.69	5.180	O					9.96	23.250	0.00	1.62	4.474	O					9.19
18.167	0.00	1.69	5.168	O					9.95	23.333	0.00	1.62	4.463	O					9.18

23.417	0.00	1.61	4.452	O	|	|	|	|	9.16	28.583	0.00	1.54	3.778	O	|	|	|	|	8.35
23.500	0.00	1.61	4.441	O	|	|	|	|	9.15	28.667	0.00	1.54	3.767	O	|	|	|	|	8.34
23.583	0.00	1.61	4.430	O	|	|	|	|	9.14	28.750	0.00	1.54	3.757	O	|	|	|	|	8.33
23.667	0.00	1.61	4.419	O	|	|	|	|	9.13	28.833	0.00	1.54	3.746	O	|	|	|	|	8.31
23.750	0.00	1.61	4.408	O	|	|	|	|	9.11	28.917	0.00	1.54	3.736	O	|	|	|	|	8.30
23.833	0.00	1.61	4.397	O	|	|	|	|	9.10	29.000	0.00	1.54	3.725	O	|	|	|	|	8.29
23.917	0.00	1.61	4.386	O	|	|	|	|	9.09	29.083	0.00	1.53	3.715	O	|	|	|	|	8.27
24.000	0.00	1.61	4.374	O	|	|	|	|	9.08	29.167	0.00	1.53	3.704	O	|	|	|	|	8.26
24.083	0.00	1.61	4.363	O	|	|	|	|	9.07	29.250	0.00	1.53	3.693	O	|	|	|	|	8.25
24.167	0.00	1.60	4.352	O	|	|	|	|	9.05	29.333	0.00	1.53	3.683	O	|	|	|	|	8.23
24.250	0.00	1.60	4.341	O	|	|	|	|	9.04	29.417	0.00	1.53	3.672	O	|	|	|	|	8.22
24.333	0.00	1.60	4.330	O	|	|	|	|	9.03	29.500	0.00	1.53	3.662	O	|	|	|	|	8.21
24.417	0.00	1.60	4.319	O	|	|	|	|	9.02	29.583	0.00	1.53	3.651	O	|	|	|	|	8.20
24.500	0.00	1.60	4.308	O	|	|	|	|	9.00	29.667	0.00	1.53	3.641	O	|	|	|	|	8.18
24.583	0.00	1.60	4.297	O	|	|	|	|	8.99	29.750	0.00	1.53	3.630	O	|	|	|	|	8.17
24.667	0.00	1.60	4.286	O	|	|	|	|	8.98	29.833	0.00	1.52	3.620	O	|	|	|	|	8.16
24.750	0.00	1.60	4.275	O	|	|	|	|	8.96	29.917	0.00	1.52	3.609	O	|	|	|	|	8.14
24.833	0.00	1.60	4.264	O	|	|	|	|	8.95	30.000	0.00	1.52	3.599	O	|	|	|	|	8.13
24.917	0.00	1.59	4.253	O	|	|	|	|	8.94	30.083	0.00	1.52	3.588	O	|	|	|	|	8.12
25.000	0.00	1.59	4.242	O	|	|	|	|	8.92	30.167	0.00	1.52	3.578	O	|	|	|	|	8.10
25.083	0.00	1.59	4.231	O	|	|	|	|	8.91	30.250	0.00	1.52	3.567	O	|	|	|	|	8.09
25.167	0.00	1.59	4.220	O	|	|	|	|	8.90	30.333	0.00	1.52	3.557	O	|	|	|	|	8.08
25.250	0.00	1.59	4.209	O	|	|	|	|	8.88	30.417	0.00	1.52	3.546	O	|	|	|	|	8.07
25.333	0.00	1.59	4.198	O	|	|	|	|	8.87	30.500	0.00	1.51	3.536	O	|	|	|	|	8.05
25.417	0.00	1.59	4.187	O	|	|	|	|	8.86	30.583	0.00	1.51	3.526	O	|	|	|	|	8.04
25.500	0.00	1.59	4.177	O	|	|	|	|	8.84	30.667	0.00	1.51	3.515	O	|	|	|	|	8.03
25.583	0.00	1.58	4.166	O	|	|	|	|	8.83	30.750	0.00	1.51	3.505	O	|	|	|	|	8.01
25.667	0.00	1.58	4.155	O	|	|	|	|	8.82	30.833	0.00	1.51	3.494	O	|	|	|	|	8.00
25.750	0.00	1.58	4.144	O	|	|	|	|	8.80	30.917	0.00	1.51	3.484	O	|	|	|	|	7.99
25.833	0.00	1.58	4.133	O	|	|	|	|	8.79	31.000	0.00	1.51	3.474	O	|	|	|	|	7.97
25.917	0.00	1.58	4.122	O	|	|	|	|	8.78	31.083	0.00	1.51	3.463	O	|	|	|	|	7.96
26.000	0.00	1.58	4.111	O	|	|	|	|	8.76	31.167	0.00	1.50	3.453	O	|	|	|	|	7.94
26.083	0.00	1.58	4.100	O	|	|	|	|	8.75	31.250	0.00	1.50	3.442	O	|	|	|	|	7.93
26.167	0.00	1.58	4.089	O	|	|	|	|	8.74	31.333	0.00	1.50	3.432	O	|	|	|	|	7.91
26.250	0.00	1.57	4.079	O	|	|	|	|	8.72	31.417	0.00	1.50	3.422	O	|	|	|	|	7.90
26.333	0.00	1.57	4.068	O	|	|	|	|	8.71	31.500	0.00	1.50	3.411	O	|	|	|	|	7.89
26.417	0.00	1.57	4.057	O	|	|	|	|	8.70	31.583	0.00	1.50	3.401	O	|	|	|	|	7.87
26.500	0.00	1.57	4.046	O	|	|	|	|	8.68	31.667	0.00	1.50	3.391	O	|	|	|	|	7.86
26.583	0.00	1.57	4.035	O	|	|	|	|	8.67	31.750	0.00	1.49	3.381	O	|	|	|	|	7.84
26.667	0.00	1.57	4.024	O	|	|	|	|	8.66	31.833	0.00	1.49	3.370	O	|	|	|	|	7.83
26.750	0.00	1.57	4.014	O	|	|	|	|	8.64	31.917	0.00	1.49	3.360	O	|	|	|	|	7.81
26.833	0.00	1.57	4.003	O	|	|	|	|	8.63	32.000	0.00	1.49	3.350	O	|	|	|	|	7.80
26.917	0.00	1.57	3.992	O	|	|	|	|	8.62	32.083	0.00	1.49	3.339	O	|	|	|	|	7.79
27.000	0.00	1.56	3.981	O	|	|	|	|	8.60	32.167	0.00	1.49	3.329	O	|	|	|	|	7.77
27.083	0.00	1.56	3.971	O	|	|	|	|	8.59	32.250	0.00	1.49	3.319	O	|	|	|	|	7.76
27.167	0.00	1.56	3.960	O	|	|	|	|	8.58	32.333	0.00	1.48	3.309	O	|	|	|	|	7.74
27.250	0.00	1.56	3.949	O	|	|	|	|	8.56	32.417	0.00	1.48	3.299	O	|	|	|	|	7.73
27.333	0.00	1.56	3.938	O	|	|	|	|	8.55	32.500	0.00	1.48	3.288	O	|	|	|	|	7.71
27.417	0.00	1.56	3.928	O	|	|	|	|	8.54	32.583	0.00	1.48	3.278	O	|	|	|	|	7.70
27.500	0.00	1.56	3.917	O	|	|	|	|	8.52	32.667	0.00	1.48	3.268	O	|	|	|	|	7.69
27.583	0.00	1.56	3.906	O	|	|	|	|	8.51	32.750	0.00	1.48	3.258	O	|	|	|	|	7.67
27.667	0.00	1.55	3.895	O	|	|	|	|	8.50	32.833	0.00	1.48	3.248	O	|	|	|	|	7.66
27.750	0.00	1.55	3.885	O	|	|	|	|	8.48	32.917	0.00	1.47	3.237	O	|	|	|	|	7.64
27.833	0.00	1.55	3.874	O	|	|	|	|	8.47	33.000	0.00	1.47	3.227	O	|	|	|	|	7.63
27.917	0.00	1.55	3.863	O	|	|	|	|	8.46	33.083	0.00	1.47	3.217	O	|	|	|	|	7.61
28.000	0.00	1.55	3.853	O	|	|	|	|	8.44	33.167	0.00	1.47	3.207	O	|	|	|	|	7.60
28.083	0.00	1.55	3.842	O	|	|	|	|	8.43	33.250	0.00	1.47	3.197	O	|	|	|	|	7.59
28.167	0.00	1.55	3.831	O	|	|	|	|	8.42	33.333	0.00	1.47	3.187	O	|	|	|	|	7.57
28.250	0.00	1.55	3.821	O	|	|	|	|	8.40	33.417	0.00	1.47	3.177	O	|	|	|	|	7.56
28.333	0.00	1.55	3.810	O	|	|	|	|	8.39	33.500	0.00	1.46	3.167	O	|	|	|	|	7.54
28.417	0.00	1.54	3.799	O	|	|	|	|	8.38	33.583	0.00	1.46	3.157	O	|	|	|	|	7.53
28.500	0.00	1.54	3.789	O	|	|	|	|	8.36	33.667	0.00	1.46	3.146	O	|	|	|	|	7.52

33.750	0.00	1.46	3.136	O					7.50	38.917	0.00	1.37	2.532	O					6.61
33.833	0.00	1.46	3.126	O					7.49	39.000	0.00	1.36	2.523	O					6.59
33.917	0.00	1.46	3.116	O					7.47	39.083	0.00	1.36	2.513	O					6.57
34.000	0.00	1.46	3.106	O					7.46	39.167	0.00	1.36	2.504	O					6.56
34.083	0.00	1.45	3.096	O					7.45	39.250	0.00	1.36	2.494	O					6.54
34.167	0.00	1.45	3.086	O					7.43	39.333	0.00	1.36	2.485	O					6.53
34.250	0.00	1.45	3.076	O					7.42	39.417	0.00	1.36	2.476	O					6.51
34.333	0.00	1.45	3.066	O					7.40	39.500	0.00	1.35	2.466	O					6.50
34.417	0.00	1.45	3.056	O					7.39	39.583	0.00	1.35	2.457	O					6.48
34.500	0.00	1.45	3.046	O					7.38	39.667	0.00	1.35	2.448	O					6.47
34.583	0.00	1.45	3.036	O					7.36	39.750	0.00	1.35	2.438	O					6.45
34.667	0.00	1.44	3.026	O					7.35	39.833	0.00	1.35	2.429	O					6.44
34.750	0.00	1.44	3.016	O					7.33	39.917	0.00	1.35	2.420	O					6.43
34.833	0.00	1.44	3.006	O					7.32	40.000	0.00	1.35	2.411	O					6.41
34.917	0.00	1.44	2.997	O					7.31	40.083	0.00	1.34	2.401	O					6.40
35.000	0.00	1.44	2.987	O					7.29	40.167	0.00	1.34	2.392	O					6.38
35.083	0.00	1.44	2.977	O					7.28	40.250	0.00	1.34	2.383	O					6.37
35.167	0.00	1.44	2.967	O					7.26	40.333	0.00	1.34	2.374	O					6.35
35.250	0.00	1.44	2.957	O					7.25	40.417	0.00	1.34	2.364	O					6.34
35.333	0.00	1.43	2.947	O					7.24	40.500	0.00	1.34	2.355	O					6.32
35.417	0.00	1.43	2.937	O					7.22	40.583	0.00	1.33	2.346	O					6.31
35.500	0.00	1.43	2.927	O					7.21	40.667	0.00	1.33	2.337	O					6.29
35.583	0.00	1.43	2.917	O					7.20	40.750	0.00	1.33	2.328	O					6.28
35.667	0.00	1.43	2.908	O					7.18	40.833	0.00	1.33	2.318	O					6.26
35.750	0.00	1.43	2.898	O					7.17	40.917	0.00	1.33	2.309	O					6.25
35.833	0.00	1.43	2.888	O					7.15	41.000	0.00	1.33	2.300	O					6.23
35.917	0.00	1.42	2.878	O					7.14	41.083	0.00	1.32	2.291	O					6.22
36.000	0.00	1.42	2.868	O					7.13	41.167	0.00	1.32	2.282	O					6.20
36.083	0.00	1.42	2.859	O					7.11	41.250	0.00	1.32	2.273	O					6.19
36.167	0.00	1.42	2.849	O					7.10	41.333	0.00	1.32	2.264	O					6.17
36.250	0.00	1.42	2.839	O					7.09	41.417	0.00	1.32	2.255	O					6.16
36.333	0.00	1.42	2.829	O					7.07	41.500	0.00	1.32	2.246	O					6.15
36.417	0.00	1.42	2.820	O					7.06	41.583	0.00	1.31	2.237	O					6.13
36.500	0.00	1.41	2.810	O					7.04	41.667	0.00	1.31	2.228	O					6.12
36.583	0.00	1.41	2.800	O					7.03	41.750	0.00	1.31	2.218	O					6.10
36.667	0.00	1.41	2.790	O					7.02	41.833	0.00	1.31	2.209	O					6.09
36.750	0.00	1.41	2.781	O					7.00	41.917	0.00	1.31	2.200	O					6.07
36.833	0.00	1.41	2.771	O					6.99	42.000	0.00	1.31	2.191	O					6.06
36.917	0.00	1.41	2.761	O					6.97	42.083	0.00	1.30	2.182	O					6.04
37.000	0.00	1.41	2.751	O					6.96	42.167	0.00	1.30	2.173	O					6.03
37.083	0.00	1.40	2.742	O					6.94	42.250	0.00	1.30	2.165	O					6.02
37.167	0.00	1.40	2.732	O					6.93	42.333	0.00	1.30	2.156	O					6.00
37.250	0.00	1.40	2.723	O					6.91	42.417	0.00	1.30	2.147	O					5.98
37.333	0.00	1.40	2.713	O					6.90	42.500	0.00	1.30	2.138	O					5.97
37.417	0.00	1.40	2.703	O					6.88	42.583	0.00	1.29	2.129	O					5.95
37.500	0.00	1.40	2.694	O					6.86	42.667	0.00	1.29	2.120	O					5.93
37.583	0.00	1.39	2.684	O					6.85	42.750	0.00	1.29	2.111	O					5.92
37.667	0.00	1.39	2.674	O					6.83	42.833	0.00	1.29	2.102	O					5.90
37.750	0.00	1.39	2.665	O					6.82	42.917	0.00	1.29	2.093	O					5.88
37.833	0.00	1.39	2.655	O					6.80	43.000	0.00	1.29	2.084	O					5.87
37.917	0.00	1.39	2.646	O					6.79	43.083	0.00	1.28	2.075	O					5.85
38.000	0.00	1.38	2.636	O					6.77	43.167	0.00	1.28	2.067	O					5.84
38.083	0.00	1.38	2.627	O					6.76	43.250	0.00	1.28	2.058	O					5.82
38.167	0.00	1.38	2.617	O					6.74	43.333	0.00	1.28	2.049	O					5.80
38.250	0.00	1.38	2.608	O					6.73	43.417	0.00	1.28	2.040	O					5.79
38.333	0.00	1.38	2.598	O					6.71	43.500	0.00	1.27	2.031	O					5.77
38.417	0.00	1.38	2.589	O					6.70	43.583	0.00	1.27	2.023	O					5.75
38.500	0.00	1.37	2.579	O					6.68	43.667	0.00	1.27	2.014	O					5.74
38.583	0.00	1.37	2.570	O					6.67	43.750	0.00	1.27	2.005	O					5.72
38.667	0.00	1.37	2.560	O					6.65	43.833	0.00	1.27	1.996	O					5.70
38.750	0.00	1.37	2.551	O					6.64	43.917	0.00	1.27	1.988	O					5.69
38.833	0.00	1.37	2.541	O					6.62	44.000	0.00	1.26	1.979	O					5.67

44.083	0.00	1.26	1.970	O					5.66	49.250	0.00	1.14	1.455	O					4.64
44.167	0.00	1.26	1.962	O					5.64	49.333	0.00	1.14	1.447	O					4.63
44.250	0.00	1.26	1.953	O					5.62	49.417	0.00	1.14	1.439	O					4.61
44.333	0.00	1.26	1.944	O					5.61	49.500	0.00	1.14	1.432	O					4.59
44.417	0.00	1.25	1.936	O					5.59	49.583	0.00	1.13	1.424	O					4.57
44.500	0.00	1.25	1.927	O					5.57	49.667	0.00	1.13	1.416	O					4.56
44.583	0.00	1.25	1.918	O					5.56	49.750	0.00	1.13	1.408	O					4.54
44.667	0.00	1.25	1.910	O					5.54	49.833	0.00	1.13	1.400	O					4.52
44.750	0.00	1.25	1.901	O					5.53	49.917	0.00	1.13	1.393	O					4.51
44.833	0.00	1.25	1.893	O					5.51	50.000	0.00	1.12	1.385	O					4.49
44.917	0.00	1.24	1.884	O					5.49	50.083	0.00	1.12	1.377	O					4.47
45.000	0.00	1.24	1.875	O					5.48	50.167	0.00	1.12	1.370	O					4.46
45.083	0.00	1.24	1.867	O					5.46	50.250	0.00	1.12	1.362	O					4.44
45.167	0.00	1.24	1.858	O					5.45	50.333	0.00	1.11	1.354	O					4.42
45.250	0.00	1.24	1.850	O					5.43	50.417	0.00	1.11	1.346	O					4.40
45.333	0.00	1.24	1.841	O					5.41	50.500	0.00	1.11	1.339	O					4.39
45.417	0.00	1.23	1.833	O					5.40	50.583	0.00	1.11	1.331	O					4.37
45.500	0.00	1.23	1.824	O					5.38	50.667	0.00	1.11	1.324	O					4.35
45.583	0.00	1.23	1.816	O					5.37	50.750	0.00	1.10	1.316	O					4.34
45.667	0.00	1.23	1.807	O					5.35	50.833	0.00	1.10	1.308	O					4.32
45.750	0.00	1.23	1.799	O					5.34	50.917	0.00	1.10	1.301	O					4.31
45.833	0.00	1.23	1.790	O					5.32	51.000	0.00	1.10	1.293	O					4.29
45.917	0.00	1.22	1.782	O					5.30	51.083	0.00	1.10	1.286	O					4.27
46.000	0.00	1.22	1.774	O					5.29	51.167	0.00	1.09	1.278	O					4.26
46.083	0.00	1.22	1.765	O					5.27	51.250	0.00	1.09	1.271	O					4.24
46.167	0.00	1.22	1.757	O					5.26	51.333	0.00	1.09	1.263	O					4.22
46.250	0.00	1.22	1.748	O					5.24	51.417	0.00	1.09	1.256	O					4.21
46.333	0.00	1.21	1.740	O					5.23	51.500	0.00	1.08	1.248	O					4.19
46.417	0.00	1.21	1.732	O					5.21	51.583	0.00	1.08	1.241	O					4.17
46.500	0.00	1.21	1.723	O					5.19	51.667	0.00	1.08	1.233	O					4.16
46.583	0.00	1.21	1.715	O					5.18	51.750	0.00	1.08	1.226	O					4.14
46.667	0.00	1.21	1.707	O					5.16	51.833	0.00	1.08	1.218	O					4.13
46.750	0.00	1.21	1.698	O					5.15	51.917	0.00	1.07	1.211	O					4.11
46.833	0.00	1.20	1.690	O					5.13	52.000	0.00	1.07	1.204	O					4.09
46.917	0.00	1.20	1.682	O					5.12	52.083	0.00	1.07	1.196	O					4.08
47.000	0.00	1.20	1.673	O					5.10	52.167	0.00	1.07	1.189	O					4.06
47.083	0.00	1.20	1.665	O					5.09	52.250	0.00	1.07	1.181	O					4.04
47.167	0.00	1.20	1.657	O					5.07	52.333	0.00	1.06	1.174	O					4.03
47.250	0.00	1.20	1.649	O					5.06	52.417	0.00	1.06	1.167	O					4.01
47.333	0.00	1.19	1.640	O					5.04	52.500	0.00	1.06	1.159	O					4.00
47.417	0.00	1.19	1.632	O					5.02	52.583	0.00	1.06	1.152	O					3.98
47.500	0.00	1.19	1.624	O					5.01	52.667	0.00	1.05	1.145	O					3.96
47.583	0.00	1.19	1.616	O					4.99	52.750	0.00	1.05	1.138	O					3.94
47.667	0.00	1.19	1.608	O					4.98	52.833	0.00	1.05	1.130	O					3.92
47.750	0.00	1.18	1.599	O					4.96	52.917	0.00	1.05	1.123	O					3.90
47.833	0.00	1.18	1.591	O					4.94	53.000	0.00	1.04	1.116	O					3.88
47.917	0.00	1.18	1.583	O					4.92	53.083	0.00	1.04	1.109	O					3.86
48.000	0.00	1.18	1.575	O					4.90	53.167	0.00	1.04	1.102	O					3.85
48.083	0.00	1.18	1.567	O					4.89	53.250	0.00	1.03	1.095	O					3.83
48.167	0.00	1.17	1.559	O					4.87	53.333	0.00	1.03	1.087	O					3.81
48.250	0.00	1.17	1.551	O					4.85	53.417	0.00	1.03	1.080	O					3.79
48.333	0.00	1.17	1.543	O					4.83	53.500	0.00	1.03	1.073	O					3.77
48.417	0.00	1.17	1.535	O					4.82	53.583	0.00	1.02	1.066	O					3.75
48.500	0.00	1.16	1.527	O					4.80	53.667	0.00	1.02	1.059	O					3.74
48.583	0.00	1.16	1.519	O					4.78	53.750	0.00	1.02	1.052	O					3.72
48.667	0.00	1.16	1.511	O					4.76	53.833	0.00	1.01	1.045	O					3.70
48.750	0.00	1.16	1.503	O					4.75	53.917	0.00	1.01	1.038	O					3.68
48.833	0.00	1.15	1.495	O					4.73	54.000	0.00	1.01	1.031	O					3.66
48.917	0.00	1.15	1.487	O					4.71	54.083	0.00	1.01	1.024	O					3.65
49.000	0.00	1.15	1.479	O					4.69	54.167	0.00	1.00	1.017	O					3.63
49.083	0.00	1.15	1.471	O					4.68	54.250	0.00	1.00	1.011	O					3.61
49.167	0.00	1.15	1.463	O					4.66	54.333	0.00	1.00	1.004	O					3.59

54.417	0.00	1.00	0.997	O	|	|	|	|	3.57	59.583	0.00	0.81	0.608	O	|	|	|	|	2.47
54.500	0.00	0.99	0.990	O	|	|	|	|	3.56	59.667	0.00	0.81	0.602	O	|	|	|	|	2.45
54.583	0.00	0.99	0.983	O	|	|	|	|	3.54	59.750	0.00	0.81	0.597	O	|	|	|	|	2.43
54.667	0.00	0.99	0.976	O	|	|	|	|	3.52	59.833	0.00	0.81	0.591	O	|	|	|	|	2.42
54.750	0.00	0.99	0.969	O	|	|	|	|	3.50	59.917	0.00	0.80	0.586	O	|	|	|	|	2.40
54.833	0.00	0.98	0.963	O	|	|	|	|	3.48	60.000	0.00	0.80	0.580	O	|	|	|	|	2.38
54.917	0.00	0.98	0.956	O	|	|	|	|	3.47	60.083	0.00	0.80	0.575	O	|	|	|	|	2.36
55.000	0.00	0.98	0.949	O	|	|	|	|	3.45	60.167	0.00	0.79	0.569	O	|	|	|	|	2.35
55.083	0.00	0.97	0.942	O	|	|	|	|	3.43	60.250	0.00	0.79	0.564	O	|	|	|	|	2.33
55.167	0.00	0.97	0.936	O	|	|	|	|	3.41	60.333	0.00	0.79	0.558	O	|	|	|	|	2.31
55.250	0.00	0.97	0.929	O	|	|	|	|	3.40	60.417	0.00	0.78	0.553	O	|	|	|	|	2.30
55.333	0.00	0.97	0.922	O	|	|	|	|	3.38	60.500	0.00	0.78	0.547	O	|	|	|	|	2.28
55.417	0.00	0.96	0.916	O	|	|	|	|	3.36	60.583	0.00	0.78	0.542	O	|	|	|	|	2.26
55.500	0.00	0.96	0.909	O	|	|	|	|	3.35	60.667	0.00	0.77	0.537	O	|	|	|	|	2.25
55.583	0.00	0.96	0.902	O	|	|	|	|	3.33	60.750	0.00	0.77	0.531	O	|	|	|	|	2.23
55.667	0.00	0.96	0.896	O	|	|	|	|	3.31	60.833	0.00	0.77	0.526	O	|	|	|	|	2.21
55.750	0.00	0.95	0.889	O	|	|	|	|	3.29	60.917	0.00	0.77	0.521	O	|	|	|	|	2.20
55.833	0.00	0.95	0.883	O	|	|	|	|	3.28	61.000	0.00	0.76	0.516	O	|	|	|	|	2.18
55.917	0.00	0.95	0.876	O	|	|	|	|	3.26	61.083	0.00	0.76	0.510	O	|	|	|	|	2.16
56.000	0.00	0.95	0.870	O	|	|	|	|	3.24	61.167	0.00	0.76	0.505	O	|	|	|	|	2.15
56.083	0.00	0.94	0.863	O	|	|	|	|	3.23	61.250	0.00	0.75	0.500	O	|	|	|	|	2.13
56.167	0.00	0.94	0.857	O	|	|	|	|	3.21	61.333	0.00	0.75	0.495	O	|	|	|	|	2.11
56.250	0.00	0.94	0.850	O	|	|	|	|	3.19	61.417	0.00	0.75	0.490	O	|	|	|	|	2.10
56.333	0.00	0.94	0.844	O	|	|	|	|	3.18	61.500	0.00	0.74	0.484	O	|	|	|	|	2.08
56.417	0.00	0.93	0.837	O	|	|	|	|	3.16	61.583	0.00	0.74	0.479	O	|	|	|	|	2.06
56.500	0.00	0.93	0.831	O	|	|	|	|	3.14	61.667	0.00	0.74	0.474	O	|	|	|	|	2.05
56.583	0.00	0.93	0.824	O	|	|	|	|	3.13	61.750	0.00	0.74	0.469	O	|	|	|	|	2.03
56.667	0.00	0.93	0.818	O	|	|	|	|	3.11	61.833	0.00	0.73	0.464	O	|	|	|	|	2.02
56.750	0.00	0.92	0.812	O	|	|	|	|	3.09	61.917	0.00	0.73	0.459	O	|	|	|	|	2.00
56.833	0.00	0.92	0.805	O	|	|	|	|	3.08	62.000	0.00	0.73	0.454	O	|	|	|	|	1.98
56.917	0.00	0.92	0.799	O	|	|	|	|	3.06	62.083	0.00	0.72	0.449	O	|	|	|	|	1.96
57.000	0.00	0.92	0.793	O	|	|	|	|	3.04	62.167	0.00	0.72	0.444	O	|	|	|	|	1.94
57.083	0.00	0.91	0.786	O	|	|	|	|	3.03	62.250	0.00	0.71	0.439	O	|	|	|	|	1.92
57.167	0.00	0.91	0.780	O	|	|	|	|	3.01	62.333	0.00	0.71	0.434	O	|	|	|	|	1.90
57.250	0.00	0.91	0.774	O	|	|	|	|	2.99	62.417	0.00	0.70	0.429	O	|	|	|	|	1.89
57.333	0.00	0.91	0.768	O	|	|	|	|	2.97	62.500	0.00	0.70	0.425	O	|	|	|	|	1.87
57.417	0.00	0.90	0.761	O	|	|	|	|	2.95	62.583	0.00	0.69	0.420	O	|	|	|	|	1.85
57.500	0.00	0.90	0.755	O	|	|	|	|	2.93	62.667	0.00	0.69	0.415	O	|	|	|	|	1.83
57.583	0.00	0.89	0.749	O	|	|	|	|	2.91	62.750	0.00	0.69	0.410	O	|	|	|	|	1.81
57.667	0.00	0.89	0.743	O	|	|	|	|	2.90	62.833	0.00	0.68	0.406	O	|	|	|	|	1.79
57.750	0.00	0.89	0.737	O	|	|	|	|	2.88	62.917	0.00	0.68	0.401	O	|	|	|	|	1.77
57.833	0.00	0.88	0.731	O	|	|	|	|	2.86	63.000	0.00	0.67	0.396	O	|	|	|	|	1.76
57.917	0.00	0.88	0.725	O	|	|	|	|	2.84	63.083	0.00	0.67	0.392	O	|	|	|	|	1.74
58.000	0.00	0.88	0.718	O	|	|	|	|	2.82	63.167	0.00	0.67	0.387	O	|	|	|	|	1.72
58.083	0.00	0.87	0.712	O	|	|	|	|	2.80	63.250	0.00	0.66	0.382	O	|	|	|	|	1.70
58.167	0.00	0.87	0.706	O	|	|	|	|	2.78	63.333	0.00	0.66	0.378	O	|	|	|	|	1.68
58.250	0.00	0.87	0.700	O	|	|	|	|	2.76	63.417	0.00	0.65	0.373	O	|	|	|	|	1.67
58.333	0.00	0.86	0.695	O	|	|	|	|	2.74	63.500	0.00	0.65	0.369	O	|	|	|	|	1.65
58.417	0.00	0.86	0.689	O	|	|	|	|	2.72	63.583	0.00	0.65	0.364	O	|	|	|	|	1.63
58.500	0.00	0.86	0.683	O	|	|	|	|	2.71	63.667	0.00	0.64	0.360	O	|	|	|	|	1.61
58.583	0.00	0.85	0.677	O	|	|	|	|	2.69	63.750	0.00	0.64	0.356	O	|	|	|	|	1.60
58.667	0.00	0.85	0.671	O	|	|	|	|	2.67	63.833	0.00	0.63	0.351	O	|	|	|	|	1.58
58.750	0.00	0.85	0.665	O	|	|	|	|	2.65	63.917	0.00	0.63	0.347	O	|	|	|	|	1.56
58.833	0.00	0.84	0.659	O	|	|	|	|	2.63	64.000	0.00	0.63	0.343	O	|	|	|	|	1.55
58.917	0.00	0.84	0.653	O	|	|	|	|	2.61	64.083	0.00	0.62	0.338	O	|	|	|	|	1.53
59.000	0.00	0.84	0.648	O	|	|	|	|	2.60	64.167	0.00	0.62	0.334	O	|	|	|	|	1.51
59.083	0.00	0.83	0.642	O	|	|	|	|	2.58	64.250	0.00	0.61	0.330	O	|	|	|	|	1.50
59.167	0.00	0.83	0.636	O	|	|	|	|	2.56	64.333	0.00	0.61	0.326	O	|	|	|	|	1.48
59.250	0.00	0.83	0.630	O	|	|	|	|	2.54	64.417	0.00	0.61	0.321	O	|	|	|	|	1.46
59.333	0.00	0.82	0.625	O	|	|	|	|	2.52	64.500	0.00	0.60	0.317	O	|	|	|	|	1.45
59.417	0.00	0.82	0.619	O	|	|	|	|	2.51	64.583	0.00	0.60	0.313	O	|	|	|	|	1.43
59.500	0.00	0.82	0.613	O	|	|	|	|	2.49	64.667	0.00	0.60	0.309	O	|	|	|	|	1.42

64.750	0.00	0.59	0.305	O	|	|	|	|	1.40	69.917	0.00	0.28	0.112	O	|	|	|	|	0.55
64.833	0.00	0.59	0.301	O	|	|	|	|	1.38	70.000	0.00	0.27	0.110	O	|	|	|	|	0.55
64.917	0.00	0.58	0.297	O	|	|	|	|	1.37	70.083	0.00	0.27	0.108	O	|	|	|	|	0.54
65.000	0.00	0.58	0.293	O	|	|	|	|	1.35	70.167	0.00	0.26	0.106	O	|	|	|	|	0.53
65.083	0.00	0.58	0.289	O	|	|	|	|	1.34	70.250	0.00	0.26	0.105	O	|	|	|	|	0.52
65.167	0.00	0.57	0.285	O	|	|	|	|	1.32	70.333	0.00	0.25	0.103	O	|	|	|	|	0.51
65.250	0.00	0.57	0.281	O	|	|	|	|	1.31	70.417	0.00	0.25	0.101	O	|	|	|	|	0.50
65.333	0.00	0.57	0.277	O	|	|	|	|	1.29	70.500	0.00	0.25	0.099	O	|	|	|	|	0.49
65.417	0.00	0.56	0.273	O	|	|	|	|	1.28	70.583	0.00	0.24	0.098	O	|	|	|	|	0.48
65.500	0.00	0.56	0.269	O	|	|	|	|	1.26	70.667	0.00	0.24	0.096	O	|	|	|	|	0.48
65.583	0.00	0.56	0.265	O	|	|	|	|	1.25	70.750	0.00	0.23	0.094	O	|	|	|	|	0.47
65.667	0.00	0.55	0.261	O	|	|	|	|	1.23	70.833	0.00	0.23	0.093	O	|	|	|	|	0.46
65.750	0.00	0.55	0.258	O	|	|	|	|	1.22	70.917	0.00	0.23	0.091	O	|	|	|	|	0.45
65.833	0.00	0.55	0.254	O	|	|	|	|	1.20	71.000	0.00	0.22	0.090	O	|	|	|	|	0.44
65.917	0.00	0.54	0.250	O	|	|	|	|	1.19	71.083	0.00	0.22	0.088	O	|	|	|	|	0.44
66.000	0.00	0.54	0.246	O	|	|	|	|	1.17	71.167	0.00	0.21	0.087	O	|	|	|	|	0.43
66.083	0.00	0.54	0.243	O	|	|	|	|	1.16	71.250	0.00	0.21	0.085	O	|	|	|	|	0.42
66.167	0.00	0.53	0.239	O	|	|	|	|	1.14	71.333	0.00	0.21	0.084	O	|	|	|	|	0.42
66.250	0.00	0.53	0.235	O	|	|	|	|	1.13	71.417	0.00	0.20	0.082	O	|	|	|	|	0.41
66.333	0.00	0.53	0.232	O	|	|	|	|	1.12	71.500	0.00	0.20	0.081	O	|	|	|	|	0.40
66.417	0.00	0.52	0.228	O	|	|	|	|	1.10	71.583	0.00	0.20	0.080	O	|	|	|	|	0.39
66.500	0.00	0.52	0.225	O	|	|	|	|	1.09	71.667	0.00	0.19	0.078	O	|	|	|	|	0.39
66.583	0.00	0.52	0.221	O	|	|	|	|	1.07	71.750	0.00	0.19	0.077	O	|	|	|	|	0.38
66.667	0.00	0.51	0.217	O	|	|	|	|	1.06	71.833	0.00	0.19	0.076	O	|	|	|	|	0.37
66.750	0.00	0.51	0.214	O	|	|	|	|	1.05	71.917	0.00	0.18	0.074	O	|	|	|	|	0.37
66.833	0.00	0.51	0.210	O	|	|	|	|	1.03	72.000	0.00	0.18	0.073	O	|	|	|	|	0.36
66.917	0.00	0.50	0.207	O	|	|	|	|	1.02	72.083	0.00	0.18	0.072	O	|	|	|	|	0.36
67.000	0.00	0.50	0.203	O	|	|	|	|	1.01	72.167	0.00	0.17	0.071	O	|	|	|	|	0.35
67.083	0.00	0.50	0.200	O	|	|	|	|	0.99	72.250	0.00	0.17	0.070	O	|	|	|	|	0.34
67.167	0.00	0.49	0.197	O	|	|	|	|	0.97	72.333	0.00	0.17	0.068	O	|	|	|	|	0.34
67.250	0.00	0.48	0.193	O	|	|	|	|	0.96	72.417	0.00	0.17	0.067	O	|	|	|	|	0.33
67.333	0.00	0.47	0.190	O	|	|	|	|	0.94	72.500	0.00	0.16	0.066	O	|	|	|	|	0.33
67.417	0.00	0.46	0.187	O	|	|	|	|	0.92	72.583	0.00	0.16	0.065	O	|	|	|	|	0.32
67.500	0.00	0.45	0.184	O	|	|	|	|	0.91	72.667	0.00	0.16	0.064	O	|	|	|	|	0.32
67.583	0.00	0.45	0.181	O	|	|	|	|	0.89	72.750	0.00	0.16	0.063	O	|	|	|	|	0.31
67.667	0.00	0.44	0.178	O	|	|	|	|	0.88	72.833	0.00	0.15	0.062	O	|	|	|	|	0.31
67.750	0.00	0.43	0.175	O	|	|	|	|	0.86	72.917	0.00	0.15	0.061	O	|	|	|	|	0.30
67.833	0.00	0.42	0.172	O	|	|	|	|	0.85	73.000	0.00	0.15	0.060	O	|	|	|	|	0.30
67.917	0.00	0.42	0.169	O	|	|	|	|	0.83	73.083	0.00	0.15	0.059	O	|	|	|	|	0.29
68.000	0.00	0.41	0.166	O	|	|	|	|	0.82	73.167	0.00	0.14	0.058	O	|	|	|	|	0.29
68.083	0.00	0.40	0.163	O	|	|	|	|	0.81	73.250	0.00	0.14	0.057	O	|	|	|	|	0.28
68.167	0.00	0.40	0.160	O	|	|	|	|	0.79	73.333	0.00	0.14	0.056	O	|	|	|	|	0.28
68.250	0.00	0.39	0.158	O	|	|	|	|	0.78	73.417	0.00	0.14	0.055	O	|	|	|	|	0.27
68.333	0.00	0.38	0.155	O	|	|	|	|	0.77	73.500	0.00	0.13	0.054	O	|	|	|	|	0.27
68.417	0.00	0.38	0.152	O	|	|	|	|	0.75	73.583	0.00	0.13	0.053	O	|	|	|	|	0.26
68.500	0.00	0.37	0.150	O	|	|	|	|	0.74	73.667	0.00	0.13	0.052	O	|	|	|	|	0.26
68.583	0.00	0.36	0.147	O	|	|	|	|	0.73	73.750	0.00	0.13	0.051	O	|	|	|	|	0.25
68.667	0.00	0.36	0.145	O	|	|	|	|	0.72	73.833	0.00	0.12	0.050	O	|	|	|	|	0.25
68.750	0.00	0.35	0.142	O	|	|	|	|	0.70	73.917	0.00	0.12	0.049	O	|	|	|	|	0.24
68.833	0.00	0.35	0.140	O	|	|	|	|	0.69	74.000	0.00	0.12	0.049	O	|	|	|	|	0.24
68.917	0.00	0.34	0.137	O	|	|	|	|	0.68	74.083	0.00	0.12	0.048	O	|	|	|	|	0.24
69.000	0.00	0.33	0.135	O	|	|	|	|	0.67	74.167	0.00	0.12	0.047	O	|	|	|	|	0.23
69.083	0.00	0.33	0.133	O	|	|	|	|	0.66	74.250	0.00	0.11	0.046	O	|	|	|	|	0.23
69.167	0.00	0.32	0.131	O	|	|	|	|	0.65	74.333	0.00	0.11	0.045	O	|	|	|	|	0.22
69.250	0.00	0.32	0.128	O	|	|	|	|	0.64	74.417	0.00	0.11	0.045	O	|	|	|	|	0.22
69.333	0.00	0.31	0.126	O	|	|	|	|	0.62	74.500	0.00	0.11	0.044	O	|	|	|	|	0.22
69.417	0.00	0.31	0.124	O	|	|	|	|	0.61	74.583	0.00	0.11	0.043	O	|	|	|	|	0.21
69.500	0.00	0.30	0.122	O	|	|	|	|	0.60	74.667	0.00	0.10	0.042	O	|	|	|	|	0.21
69.583	0.00	0.30	0.120	O	|	|	|	|	0.59	74.750	0.00	0.10	0.042	O	|	|	|	|	0.21
69.667	0.00	0.29	0.118	O	|	|	|	|	0.58	74.833	0.00	0.10	0.041	O	|	|	|	|	0.20
69.750	0.00	0.29	0.116	O	|	|	|	|	0.57	74.917	0.00	0.10	0.040	O	|	|	|	|	0.20
69.833	0.00	0.28	0.114	O	|	|	|	|	0.56	75.000	0.00	0.10	0.040	O	|	|	|	|	0.20

75.083	0.00	0.10	0.039	O	|	|	|	|	0.19	80.250	0.00	0.03	0.014	O	|	|	|	|	0.07
75.167	0.00	0.09	0.038	O	|	|	|	|	0.19	80.333	0.00	0.03	0.013	O	|	|	|	|	0.07
75.250	0.00	0.09	0.038	O	|	|	|	|	0.19	80.417	0.00	0.03	0.013	O	|	|	|	|	0.06
75.333	0.00	0.09	0.037	O	|	|	|	|	0.18	80.500	0.00	0.03	0.013	O	|	|	|	|	0.06
75.417	0.00	0.09	0.036	O	|	|	|	|	0.18	80.583	0.00	0.03	0.013	O	|	|	|	|	0.06
75.500	0.00	0.09	0.036	O	|	|	|	|	0.18	80.667	0.00	0.03	0.012	O	|	|	|	|	0.06
75.583	0.00	0.09	0.035	O	|	|	|	|	0.17	80.750	0.00	0.03	0.012	O	|	|	|	|	0.06
75.667	0.00	0.09	0.035	O	|	|	|	|	0.17	80.833	0.00	0.03	0.012	O	|	|	|	|	0.06
75.750	0.00	0.08	0.034	O	|	|	|	|	0.17	80.917	0.00	0.03	0.012	O	|	|	|	|	0.06
75.833	0.00	0.08	0.033	O	|	|	|	|	0.17	81.000	0.00	0.03	0.012	O	|	|	|	|	0.06
75.917	0.00	0.08	0.033	O	|	|	|	|	0.16	81.083	0.00	0.03	0.011	O	|	|	|	|	0.06
76.000	0.00	0.08	0.032	O	|	|	|	|	0.16	81.167	0.00	0.03	0.011	O	|	|	|	|	0.06
76.083	0.00	0.08	0.032	O	|	|	|	|	0.16	81.250	0.00	0.03	0.011	O	|	|	|	|	0.05
76.167	0.00	0.08	0.031	O	|	|	|	|	0.15	81.333	0.00	0.03	0.011	O	|	|	|	|	0.05
76.250	0.00	0.08	0.031	O	|	|	|	|	0.15	81.417	0.00	0.03	0.011	O	|	|	|	|	0.05
76.333	0.00	0.07	0.030	O	|	|	|	|	0.15	81.500	0.00	0.03	0.010	O	|	|	|	|	0.05
76.417	0.00	0.07	0.030	O	|	|	|	|	0.15	81.583	0.00	0.03	0.010	O	|	|	|	|	0.05
76.500	0.00	0.07	0.029	O	|	|	|	|	0.14	81.667	0.00	0.03	0.010	O	|	|	|	|	0.05
76.583	0.00	0.07	0.029	O	|	|	|	|	0.14	81.750	0.00	0.02	0.010	O	|	|	|	|	0.05
76.667	0.00	0.07	0.028	O	|	|	|	|	0.14	81.833	0.00	0.02	0.010	O	|	|	|	|	0.05
76.750	0.00	0.07	0.028	O	|	|	|	|	0.14	81.917	0.00	0.02	0.010	O	|	|	|	|	0.05
76.833	0.00	0.07	0.027	O	|	|	|	|	0.13	82.000	0.00	0.02	0.009	O	|	|	|	|	0.05
76.917	0.00	0.07	0.027	O	|	|	|	|	0.13	82.083	0.00	0.02	0.009	O	|	|	|	|	0.05
77.000	0.00	0.07	0.026	O	|	|	|	|	0.13	82.167	0.00	0.02	0.009	O	|	|	|	|	0.05
77.083	0.00	0.06	0.026	O	|	|	|	|	0.13	82.250	0.00	0.02	0.009	O	|	|	|	|	0.04
77.167	0.00	0.06	0.025	O	|	|	|	|	0.13	82.333	0.00	0.02	0.009	O	|	|	|	|	0.04
77.250	0.00	0.06	0.025	O	|	|	|	|	0.12	82.417	0.00	0.02	0.009	O	|	|	|	|	0.04
77.333	0.00	0.06	0.025	O	|	|	|	|	0.12	82.500	0.00	0.02	0.009	O	|	|	|	|	0.04
77.417	0.00	0.06	0.024	O	|	|	|	|	0.12	82.583	0.00	0.02	0.008	O	|	|	|	|	0.04
77.500	0.00	0.06	0.024	O	|	|	|	|	0.12	82.667	0.00	0.02	0.008	O	|	|	|	|	0.04
77.583	0.00	0.06	0.023	O	|	|	|	|	0.12	82.750	0.00	0.02	0.008	O	|	|	|	|	0.04
77.667	0.00	0.06	0.023	O	|	|	|	|	0.11	82.833	0.00	0.02	0.008	O	|	|	|	|	0.04
77.750	0.00	0.06	0.023	O	|	|	|	|	0.11	82.917	0.00	0.02	0.008	O	|	|	|	|	0.04
77.833	0.00	0.05	0.022	O	|	|	|	|	0.11	83.000	0.00	0.02	0.008	O	|	|	|	|	0.04
77.917	0.00	0.05	0.022	O	|	|	|	|	0.11	83.083	0.00	0.02	0.008	O	|	|	|	|	0.04
78.000	0.00	0.05	0.021	O	|	|	|	|	0.11	83.167	0.00	0.02	0.007	O	|	|	|	|	0.04
78.083	0.00	0.05	0.021	O	|	|	|	|	0.10	83.250	0.00	0.02	0.007	O	|	|	|	|	0.04
78.167	0.00	0.05	0.021	O	|	|	|	|	0.10	83.333	0.00	0.02	0.007	O	|	|	|	|	0.04
78.250	0.00	0.05	0.020	O	|	|	|	|	0.10	83.417	0.00	0.02	0.007	O	|	|	|	|	0.04
78.333	0.00	0.05	0.020	O	|	|	|	|	0.10	83.500	0.00	0.02	0.007	O	|	|	|	|	0.03
78.417	0.00	0.05	0.020	O	|	|	|	|	0.10	83.583	0.00	0.02	0.007	O	|	|	|	|	0.03
78.500	0.00	0.05	0.019	O	|	|	|	|	0.10	83.667	0.00	0.02	0.007	O	|	|	|	|	0.03
78.583	0.00	0.05	0.019	O	|	|	|	|	0.09	83.750	0.00	0.02	0.007	O	|	|	|	|	0.03
78.667	0.00	0.05	0.019	O	|	|	|	|	0.09	83.833	0.00	0.02	0.006	O	|	|	|	|	0.03
78.750	0.00	0.05	0.018	O	|	|	|	|	0.09	83.917	0.00	0.02	0.006	O	|	|	|	|	0.03
78.833	0.00	0.04	0.018	O	|	|	|	|	0.09	84.000	0.00	0.02	0.006	O	|	|	|	|	0.03
78.917	0.00	0.04	0.018	O	|	|	|	|	0.09	84.083	0.00	0.02	0.006	O	|	|	|	|	0.03
79.000	0.00	0.04	0.017	O	|	|	|	|	0.09	84.167	0.00	0.02	0.006	O	|	|	|	|	0.03
79.083	0.00	0.04	0.017	O	|	|	|	|	0.09	84.250	0.00	0.01	0.006	O	|	|	|	|	0.03
79.167	0.00	0.04	0.017	O	|	|	|	|	0.08	84.333	0.00	0.01	0.006	O	|	|	|	|	0.03
79.250	0.00	0.04	0.017	O	|	|	|	|	0.08	84.417	0.00	0.01	0.006	O	|	|	|	|	0.03
79.333	0.00	0.04	0.016	O	|	|	|	|	0.08	84.500	0.00	0.01	0.006	O	|	|	|	|	0.03
79.417	0.00	0.04	0.016	O	|	|	|	|	0.08	84.583	0.00	0.01	0.006	O	|	|	|	|	0.03
79.500	0.00	0.04	0.016	O	|	|	|	|	0.08	84.667	0.00	0.01	0.005	O	|	|	|	|	0.03
79.583	0.00	0.04	0.016	O	|	|	|	|	0.08	84.750	0.00	0.01	0.005	O	|	|	|	|	0.03
79.667	0.00	0.04	0.015	O	|	|	|	|	0.08	84.833	0.00	0.01	0.005	O	|	|	|	|	0.03
79.750	0.00	0.04	0.015	O	|	|	|	|	0.07	84.917	0.00	0.01	0.005	O	|	|	|	|	0.03
79.833	0.00	0.04	0.015	O	|	|	|	|	0.07	85.000	0.00	0.01	0.005	O	|	|	|	|	0.03
79.917	0.00	0.04	0.014	O	|	|	|	|	0.07	85.083	0.00	0.01	0.005	O	|	|	|	|	0.02
80.000	0.00	0.04	0.014	O	|	|	|	|	0.07	85.167	0.00	0.01	0.005	O	|	|	|	|	0.02
80.083	0.00	0.03	0.014	O	|	|	|	|	0.07	85.250	0.00	0.01	0.005	O	|	|	|	|	0.02
80.167	0.00	0.03	0.014	O	|	|	|	|	0.07	85.333	0.00	0.01	0.005	O	|	|	|	|	0.02

85.417	0.00	0.01	0.005	O					0.02	90.583	0.00	0.00	0.002	O					0.01
85.500	0.00	0.01	0.005	O					0.02	90.667	0.00	0.00	0.002	O					0.01
85.583	0.00	0.01	0.005	O					0.02	90.750	0.00	0.00	0.002	O					0.01
85.667	0.00	0.01	0.004	O					0.02	90.833	0.00	0.00	0.002	O					0.01
85.750	0.00	0.01	0.004	O					0.02	90.917	0.00	0.00	0.002	O					0.01
85.833	0.00	0.01	0.004	O					0.02	91.000	0.00	0.00	0.002	O					0.01
85.917	0.00	0.01	0.004	O					0.02	91.083	0.00	0.00	0.001	O					0.01
86.000	0.00	0.01	0.004	O					0.02	91.167	0.00	0.00	0.001	O					0.01
86.083	0.00	0.01	0.004	O					0.02	91.250	0.00	0.00	0.001	O					0.01
86.167	0.00	0.01	0.004	O					0.02	91.333	0.00	0.00	0.001	O					0.01
86.250	0.00	0.01	0.004	O					0.02	91.417	0.00	0.00	0.001	O					0.01
86.333	0.00	0.01	0.004	O					0.02	91.500	0.00	0.00	0.001	O					0.01
86.417	0.00	0.01	0.004	O					0.02	91.583	0.00	0.00	0.001	O					0.01
86.500	0.00	0.01	0.004	O					0.02	91.667	0.00	0.00	0.001	O					0.01
86.583	0.00	0.01	0.004	O					0.02	91.750	0.00	0.00	0.001	O					0.01
86.667	0.00	0.01	0.004	O					0.02	91.833	0.00	0.00	0.001	O					0.01
86.750	0.00	0.01	0.004	O					0.02	91.917	0.00	0.00	0.001	O					0.01
86.833	0.00	0.01	0.004	O					0.02	92.000	0.00	0.00	0.001	O					0.01
86.917	0.00	0.01	0.003	O					0.02	92.083	0.00	0.00	0.001	O					0.01
87.000	0.00	0.01	0.003	O					0.02	92.167	0.00	0.00	0.001	O					0.01
87.083	0.00	0.01	0.003	O					0.02	92.250	0.00	0.00	0.001	O					0.01
87.167	0.00	0.01	0.003	O					0.02	92.333	0.00	0.00	0.001	O					0.01
87.250	0.00	0.01	0.003	O					0.02	92.417	0.00	0.00	0.001	O					0.01
87.333	0.00	0.01	0.003	O					0.02	92.500	0.00	0.00	0.001	O					0.01
87.417	0.00	0.01	0.003	O					0.02	92.583	0.00	0.00	0.001	O					0.01
87.500	0.00	0.01	0.003	O					0.02	92.667	0.00	0.00	0.001	O					0.01
87.583	0.00	0.01	0.003	O					0.01	92.750	0.00	0.00	0.001	O					0.01
87.667	0.00	0.01	0.003	O					0.01	92.833	0.00	0.00	0.001	O					0.01
87.750	0.00	0.01	0.003	O					0.01	92.917	0.00	0.00	0.001	O					0.01
87.833	0.00	0.01	0.003	O					0.01	93.000	0.00	0.00	0.001	O					0.00
87.917	0.00	0.01	0.003	O					0.01	93.083	0.00	0.00	0.001	O					0.00
88.000	0.00	0.01	0.003	O					0.01	93.167	0.00	0.00	0.001	O					0.00
88.083	0.00	0.01	0.003	O					0.01	93.250	0.00	0.00	0.001	O					0.00
88.167	0.00	0.01	0.003	O					0.01	93.333	0.00	0.00	0.001	O					0.00
88.250	0.00	0.01	0.003	O					0.01	93.417	0.00	0.00	0.001	O					0.00
88.333	0.00	0.01	0.003	O					0.01	93.500	0.00	0.00	0.001	O					0.00
88.417	0.00	0.01	0.003	O					0.01	93.583	0.00	0.00	0.001	O					0.00
88.500	0.00	0.01	0.003	O					0.01	93.667	0.00	0.00	0.001	O					0.00
88.583	0.00	0.01	0.002	O					0.01	93.750	0.00	0.00	0.001	O					0.00
88.667	0.00	0.01	0.002	O					0.01	93.833	0.00	0.00	0.001	O					0.00
88.750	0.00	0.01	0.002	O					0.01	93.917	0.00	0.00	0.001	O					0.00
88.833	0.00	0.01	0.002	O					0.01	94.000	0.00	0.00	0.001	O					0.00
88.917	0.00	0.01	0.002	O					0.01	94.083	0.00	0.00	0.001	O					0.00
89.000	0.00	0.01	0.002	O					0.01	94.167	0.00	0.00	0.001	O					0.00
89.083	0.00	0.01	0.002	O					0.01	94.250	0.00	0.00	0.001	O					0.00
89.167	0.00	0.01	0.002	O					0.01	94.333	0.00	0.00	0.001	O					0.00
89.250	0.00	0.01	0.002	O					0.01	94.417	0.00	0.00	0.001	O					0.00
89.333	0.00	0.01	0.002	O					0.01	94.500	0.00	0.00	0.001	O					0.00
89.417	0.00	0.01	0.002	O					0.01	94.583	0.00	0.00	0.001	O					0.00
89.500	0.00	0.01	0.002	O					0.01	94.667	0.00	0.00	0.001	O					0.00
89.583	0.00	0.00	0.002	O					0.01	94.750	0.00	0.00	0.001	O					0.00
89.667	0.00	0.00	0.002	O					0.01	94.833	0.00	0.00	0.001	O					0.00
89.750	0.00	0.00	0.002	O					0.01	94.917	0.00	0.00	0.001	O					0.00
89.833	0.00	0.00	0.002	O					0.01	95.000	0.00	0.00	0.001	O					0.00
89.917	0.00	0.00	0.002	O					0.01	95.083	0.00	0.00	0.001	O					0.00
90.000	0.00	0.00	0.002	O					0.01	95.167	0.00	0.00	0.001	O					0.00
90.083	0.00	0.00	0.002	O					0.01	95.250	0.00	0.00	0.001	O					0.00
90.167	0.00	0.00	0.002	O					0.01	95.333	0.00	0.00	0.001	O					0.00
90.250	0.00	0.00	0.002	O					0.01	95.417	0.00	0.00	0.001	O					0.00
90.333	0.00	0.00	0.002	O					0.01	95.500	0.00	0.00	0.001	O					0.00
90.417	0.00	0.00	0.002	O					0.01	95.583	0.00	0.00	0.001	O					0.00
90.500	0.00	0.00	0.002	O					0.01	95.667	0.00	0.00	0.001	O					0.00

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95.750    0.00    0.00      0.001  O       |       |       |       |     0.00
95.833    0.00    0.00      0.001  O       |       |       |       |     0.00
95.917    0.00    0.00      0.001  O       |       |       |       |     0.00
96.000    0.00    0.00      0.001  O       |       |       |       |     0.00
96.083    0.00    0.00      0.001  O       |       |       |       |     0.00
96.167    0.00    0.00      0.001  O       |       |       |       |     0.00
96.250    0.00    0.00      0.001  O       |       |       |       |     0.00
96.333    0.00    0.00      0.001  O       |       |       |       |     0.00
96.417    0.00    0.00      0.000  O       |       |       |       |     0.00
96.500    0.00    0.00      0.000  O       |       |       |       |     0.00
96.583    0.00    0.00      0.000  O       |       |       |       |     0.00
96.667    0.00    0.00      0.000  O       |       |       |       |     0.00
96.750    0.00    0.00      0.000  O       |       |       |       |     0.00
96.833    0.00    0.00      0.000  O       |       |       |       |     0.00
96.917    0.00    0.00      0.000  O       |       |       |       |     0.00
97.000    0.00    0.00      0.000  O       |       |       |       |     0.00
97.083    0.00    0.00      0.000  O       |       |       |       |     0.00
97.167    0.00    0.00      0.000  O       |       |       |       |     0.00
97.250    0.00    0.00      0.000  O       |       |       |       |     0.00
97.333    0.00    0.00      0.000  O       |       |       |       |     0.00
97.417    0.00    0.00      0.000  O       |       |       |       |     0.00

****************************HYDROGRAPH DATA****************************
                Number of intervals =  1169
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       36.978 (CFS)
                Total volume =      12.183 (Ac.Ft)
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.215     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.299     0.000     0.000     0.000     0.000
************************************************************************

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.900 to Point/Station       10.900
**** STORE OR DELETE CURRENT HYDROGRAPH ****
________________________________________________________________________
Current stream hydrograph of   5.0 minute
intervals has been stored as stream number 2 with
a starting time of   0.00 hours and ending time of  25.00 hours
With a total volume of       7.95(Ac.Ft)
****************************HYDROGRAPH DATA****************************
                Number of intervals =     0
                Time interval =    0.0 (Min.)
                Maximum/Peak flow rate =        0.000 (CFS)
                Total volume =       0.000 (Ac.Ft)
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.215    36.978     0.000     0.000     0.000
        Vol (Ac.Ft)     0.299     7.946     0.000     0.000     0.000
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.910 to Point/Station       10.920
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
________________________________________________________________________
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******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP10F1006100.rte
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    P R I N T   O F   S T O R M
                  R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
              Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       11.2      22.5      33.7      44.9
------------------------------------------------------------------------
  0+ 5       1.4709      1.47  |Q       |         |         |         |
  0+10       3.0894      3.09  | Q      |         |         |         |
  0+15       3.4748      3.47  |  Q     |         |         |         |
  0+20       3.4989      3.50  |  Q     |         |         |         |
  0+25       3.4989      3.50  |  Q     |         |         |         |
  0+30       3.7931      3.79  |  Q     |         |         |         |
  0+35       4.0579      4.06  |  Q     |         |         |         |
  0+40       4.0820      4.08  |  Q     |         |         |         |
  0+45       4.0820      4.08  |  Q     |         |         |         |
  0+50       4.0820      4.08  |  Q     |         |         |         |
  0+55       4.0820      4.08  |  Q     |         |         |         |
  1+ 0       4.4515      4.45  |  Q     |         |         |         |
  1+ 5       4.7841      4.78  |   Q    |         |         |         |
  1+10       4.8143      4.81  |   Q    |         |         |         |
  1+15       4.8143      4.81  |   Q    |         |         |         |
  1+20       4.8143      4.81  |   Q    |         |         |         |
  1+25       4.8143      4.81  |   Q    |         |         |         |
  1+30       4.8143      4.81  |   Q    |         |         |         |
  1+35       4.8143      4.81  |   Q    |         |         |         |
  1+40       4.8143      4.81  |   Q    |         |         |         |
  1+45       4.8143      4.81  |   Q    |         |         |         |
  1+50       4.8143      4.81  |   Q    |         |         |         |
  1+55       4.8143      4.81  |   Q    |         |         |         |
  2+ 0       5.2813      5.28  |   Q    |         |         |         |
  2+ 5       5.2347      5.23  |   Q    |         |         |         |
  2+10       5.3196      5.32  |   Q    |         |         |         |
  2+15       5.7017      5.70  |    Q   |         |         |         |
  2+20       5.7400      5.74  |    Q   |         |         |         |
  2+25       5.7400      5.74  |    Q   |         |         |         |
  2+30       5.7400      5.74  |    Q   |         |         |         |
  2+35       5.7400      5.74  |    Q   |         |         |         |
  2+40       5.7400      5.74  |    Q   |         |         |         |
  2+45       6.2069      6.21  |    Q   |         |         |         |
  2+50       6.6273      6.63  |    Q   |         |         |         |
  2+55       6.6656      6.67  |    Q   |         |         |         |
  3+ 0       6.6656      6.67  |    Q   |         |         |         |
  3+ 5       6.6656      6.67  |    Q   |         |         |         |
  3+10       7.1326      7.13  |     Q  |         |         |         |
  3+15       7.5530      7.55  |     Q  |         |         |         |
  3+20       7.5912      7.59  |     Q  |         |         |         |
  3+25       8.0582      8.06  |      Q |         |         |         |
  3+30       8.9456      8.95  |      Q |         |         |         |
  3+35       9.8712      9.87  |       Q|         |         |         |
  3+40      10.3299     10.33  |        Q|        |         |         |
  3+45      10.8351     10.84  |        Q|        |         |         |
  3+50      11.2555     11.26  |         Q        |         |         |
  3+55      11.7607     11.76  |         Q        |         |         |
  4+ 0      12.1811     12.18  |         Q        |         |         |
  4+ 5      12.6864     12.69  |         |Q       |         |         |
  4+10      13.5737     13.57  |         | Q      |         |         |
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   4+15      14.4994     14.50  |          | Q        |          |          |
   4+20      15.4250     15.42  |          |  Q       |          |          |
   4+25      16.3506     16.35  |          |   Q      |          |          |
   4+30      16.8093     16.81  |          |   Q      |          |          |
   4+35      17.3145     17.31  |          |    Q     |          |          |
   4+40      18.2019     18.20  |          |     Q    |          |          |
   4+45      19.1275     19.13  |          |      Q   |          |          |
   4+50      19.5862     19.59  |          |      Q   |          |          |
   4+55      20.0914     20.09  |          |      Q   |          |          |
   5+ 0      20.9788     20.98  |          |       Q  |          |          |
   5+ 5      23.7723     23.77  |          |          |Q         |          |
   5+10      28.2474     28.25  |          |          |    Q     |          |
   5+15      31.9416     31.94  |          |          |       Q  |          |
   5+20      34.7950     34.80  |          |          |        Q |          |
   5+25      38.5058     38.51  |          |          |          |   Q      |
   5+30      44.9253     44.93  |          |          |          |        Q |
   5+35      31.6224     31.62  |          |          |       Q  |          |
   5+40      11.7423     11.74  |          Q          |          |          |
   5+45       4.9920      4.99  |   Q      |          |          |          |
   5+50       3.2973      3.30  | Q        |          |          |          |
   5+55       2.3515      2.35  | Q        |          |          |          |
   6+ 0       1.5035      1.50  |Q         |          |          |          |
   6+ 5       0.6020      0.60  Q          |          |          |          |
   6+10       0.0482      0.05  Q          |          |          |          |
-------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =    74
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       44.925 (CFS)
                    Total volume =       5.153 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.215    36.978     0.000     0.000     0.000
             Vol (Ac.Ft)     0.299     7.946     0.000     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.920 to Point/Station       10.920
      **** RETARDING BASIN ROUTING ****
      _____________________________________________________________________

      User entry of depth-outflow-storage data
      ---------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 74
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ---------------------------------------------------------------------
      ---------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
           (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
      ---------------------------------------------------------------------
        0.000      0.000      0.000      0.000        0.000
        1.000      0.073      0.200      0.072        0.074
        2.000      0.182      0.560      0.180        0.184
        3.000      0.333      0.780      0.330        0.336
        4.000      0.529      0.940      0.526        0.532
        5.000      0.775      1.080      0.771        0.779
        6.000      1.076      1.200      1.072        1.080
        7.000      1.437      1.310      1.432        1.442
        8.000      1.863      1.410      1.858        1.868
        9.000      2.359      1.500      2.354        2.364
       10.000      2.931      1.590      2.926        2.936
       11.000      3.583      1.680      3.577        3.589
       12.000      4.322      1.760      4.316        4.328
       13.000      5.162      1.840      5.156        5.168
       14.000      6.114      1.910      6.107        6.121
       15.000      7.175      1.980      7.168        7.182
       16.000      8.351     26.320      8.260        8.442
       17.000      9.646     70.760      9.402        9.890
       18.000     11.067    128.280     10.625       11.509
      ---------------------------------------------------------------------
                      Hydrograph Detention Basin Routing
      ---------------------------------------------------------------------

      Graph values: 'I'= unit inflow; 'O'=outflow at time shown
      ---------------------------------------------------------------------
      Time   Inflow  Outflow    Storage                                  Depth
      (Hours)  (CFS)   (CFS)     (Ac.Ft) .0      11.2   22.46   33.69   44.93 (Ft.)
      0.083    1.47    0.01      0.005  OI      |       |       |       |     0.07
      0.167    3.09    0.06      0.020  O I     |       |       |       |     0.28
      0.250    3.47    0.12      0.042  O I     |       |       |       |     0.58
      0.333    3.50    0.18      0.065  O I     |       |       |       |     0.90
      0.417    3.50    0.25      0.088  O I     |       |       |       |     1.14
      0.500    3.79    0.33      0.111  O I     |       |       |       |     1.35
      0.583    4.06    0.41      0.136  O I     |       |       |       |     1.58
      0.667    4.08    0.49      0.161  O I     |       |       |       |     1.80
      0.750    4.08    0.56      0.185  O I     |       |       |       |     2.02
      0.833    4.08    0.60      0.209  O I     |       |       |       |     2.18
      0.917    4.08    0.63      0.233  O I     |       |       |       |     2.34
      1.000    4.45    0.67      0.258  O  I    |       |       |       |     2.50
      1.083    4.78    0.71      0.285  O  I    |       |       |       |     2.68
      1.167    4.81    0.75      0.313  O  I    |       |       |       |     2.87
      1.250    4.81    0.79      0.341  O  I    |       |       |       |     3.04
      1.333    4.81    0.81      0.369  O  I    |       |       |       |     3.18
      1.417    4.81    0.83      0.396  O  I    |       |       |       |     3.32
      1.500    4.81    0.85      0.423  O  I    |       |       |       |     3.46
      1.583    4.81    0.88      0.451  O  I    |       |       |       |     3.60
      1.667    4.81    0.90      0.478  O  I    |       |       |       |     3.74
      1.750    4.81    0.92      0.505  O  I    |       |       |       |     3.88
      1.833    4.81    0.94      0.531  O  I    |       |       |       |     4.01
      1.917    4.81    0.96      0.558  O  I    |       |       |       |     4.12
      2.000    5.28    0.97      0.586  O  I    |       |       |       |     4.23
      2.083    5.23    0.99      0.616  O  I    |       |       |       |     4.35
      2.167    5.32    1.01      0.645  O  I    |       |       |       |     4.47
      2.250    5.70    1.02      0.676  O   I   |       |       |       |     4.60
      2.333    5.74    1.04      0.708  O   I   |       |       |       |     4.73
      2.417    5.74    1.06      0.741  O   I   |       |       |       |     4.86
      2.500    5.74    1.08      0.773  O   I   |       |       |       |     4.99
      2.583    5.74    1.09      0.805  O   I   |       |       |       |     5.10
      2.667    5.74    1.10      0.837  O   I   |       |       |       |     5.21
      2.750    6.21    1.12      0.870  O   I   |       |       |       |     5.32
      2.833    6.63    1.13      0.907  O   I   |       |       |       |     5.44
      2.917    6.67    1.15      0.945  O   I   |       |       |       |     5.56
      3.000    6.67    1.16      0.983  O   I   |       |       |       |     5.69
      3.083    6.67    1.18      1.020  O   I   |       |       |       |     5.82
```

3.167	7.13	1.19	1.060	O	I	|	|	|	|	5.95	8.333	0.00	1.75	4.258	IO	|	|	|	|	11.91
3.250	7.55	1.21	1.102	O	I	|	|	|	|	6.07	8.417	0.00	1.75	4.246	IO	|	|	|	|	11.90
3.333	7.59	1.22	1.146	O	I	|	|	|	|	6.19	8.500	0.00	1.75	4.234	IO	|	|	|	|	11.88
3.417	8.06	1.24	1.191	O	I	|	|	|	|	6.32	8.583	0.00	1.75	4.222	IO	|	|	|	|	11.87
3.500	8.95	1.25	1.241	O	I	|	|	|	|	6.46	8.667	0.00	1.75	4.210	IO	|	|	|	|	11.85
3.583	9.87	1.27	1.297	O	I	|	|	|	|	6.61	8.750	0.00	1.75	4.198	IO	|	|	|	|	11.83
3.667	10.33	1.29	1.358	O	I	|	|	|	|	6.78	8.833	0.00	1.75	4.186	IO	|	|	|	|	11.82
3.750	10.84	1.31	1.422	O	I	|	|	|	|	6.96	8.917	0.00	1.74	4.174	IO	|	|	|	|	11.80
3.833	11.26	1.32	1.489	O	I	|	|	|	|	7.12	9.000	0.00	1.74	4.162	IO	|	|	|	|	11.78
3.917	11.76	1.34	1.559	O	I	|	|	|	|	7.29	9.083	0.00	1.74	4.150	IO	|	|	|	|	11.77
4.000	12.18	1.36	1.632	O	I	|	|	|	|	7.46	9.167	0.00	1.74	4.138	IO	|	|	|	|	11.75
4.083	12.69	1.37	1.709	O	I	|	|	|	|	7.64	9.250	0.00	1.74	4.126	IO	|	|	|	|	11.74
4.167	13.57	1.39	1.790	O	I	|	|	|	|	7.83	9.333	0.00	1.74	4.114	IO	|	|	|	|	11.72
4.250	14.50	1.41	1.877	|O	| I	|	|	|	|	8.03	9.417	0.00	1.74	4.102	IO	|	|	|	|	11.70
4.333	15.42	1.43	1.970	|O	| I	|	|	|	|	8.22	9.500	0.00	1.73	4.090	IO	|	|	|	|	11.69
4.417	16.35	1.45	2.069	|O	| I	|	|	|	|	8.42	9.583	0.00	1.73	4.078	IO	|	|	|	|	11.67
4.500	16.81	1.47	2.173	|O	| I	|	|	|	|	8.63	9.667	0.00	1.73	4.066	IO	|	|	|	|	11.65
4.583	17.31	1.49	2.281	|O	| I	|	|	|	|	8.84	9.750	0.00	1.73	4.055	IO	|	|	|	|	11.64
4.667	18.20	1.51	2.393	|O	| I	|	|	|	|	9.06	9.833	0.00	1.73	4.043	IO	|	|	|	|	11.62
4.750	19.13	1.52	2.511	|O	| I	|	|	|	|	9.27	9.917	0.00	1.73	4.031	IO	|	|	|	|	11.61
4.833	19.59	1.54	2.634	|O	| I	|	|	|	|	9.48	10.000	0.00	1.73	4.019	IO	|	|	|	|	11.59
4.917	20.09	1.56	2.760	|O	| I	|	|	|	|	9.70	10.083	0.00	1.73	4.007	IO	|	|	|	|	11.57
5.000	20.98	1.58	2.890	|O	| I	|	|	|	|	9.93	10.167	0.00	1.72	3.995	IO	|	|	|	|	11.56
5.083	23.77	1.60	3.033	|O	| I	|	|	|	|	10.16	10.250	0.00	1.72	3.983	IO	|	|	|	|	11.54
5.167	28.25	1.63	3.201	|O	| I	|	|	|	|	10.41	10.333	0.00	1.72	3.971	IO	|	|	|	|	11.53
5.250	31.94	1.65	3.397	|O	| I	|	|	|	|	10.72	10.417	0.00	1.72	3.959	IO	|	|	|	|	11.51
5.333	34.80	1.68	3.616	|O	| I	|	|	|	|	11.04	10.500	0.00	1.72	3.948	IO	|	|	|	|	11.49
5.417	38.51	1.71	3.856	|O	| I	|	|	|	|	11.37	10.583	0.00	1.72	3.936	IO	|	|	|	|	11.48
5.500	44.93	1.74	4.132	|O	| I	|	|	|	|	11.74	10.667	0.00	1.72	3.924	IO	|	|	|	|	11.46
5.583	31.62	1.77	4.383	|O	| I	|	|	|	|	12.07	10.750	0.00	1.72	3.912	IO	|	|	|	|	11.45
5.667	11.74	1.78	4.520	|O	I	|	|	|	|	12.24	10.833	0.00	1.71	3.900	IO	|	|	|	|	11.43
5.750	4.99	1.78	4.566	|O I	|	|	|	|	|	12.29	10.917	0.00	1.71	3.888	IO	|	|	|	|	11.41
5.833	3.30	1.78	4.582	|OI	|	|	|	|	|	12.31	11.000	0.00	1.71	3.877	IO	|	|	|	|	11.40
5.917	2.35	1.79	4.589	|O	|	|	|	|	|	12.32	11.083	0.00	1.71	3.865	IO	|	|	|	|	11.38
6.000	1.50	1.79	4.590	|O	|	|	|	|	|	12.32	11.167	0.00	1.71	3.853	IO	|	|	|	|	11.37
6.083	0.60	1.79	4.585	IO	|	|	|	|	|	12.31	11.250	0.00	1.71	3.841	IO	|	|	|	|	11.35
6.167	0.05	1.78	4.575	IO	|	|	|	|	|	12.30	11.333	0.00	1.71	3.830	IO	|	|	|	|	11.33
6.250	0.00	1.78	4.563	IO	|	|	|	|	|	12.29	11.417	0.00	1.71	3.818	IO	|	|	|	|	11.32
6.333	0.00	1.78	4.551	IO	|	|	|	|	|	12.27	11.500	0.00	1.70	3.806	IO	|	|	|	|	11.30
6.417	0.00	1.78	4.538	IO	|	|	|	|	|	12.26	11.583	0.00	1.70	3.794	IO	|	|	|	|	11.29
6.500	0.00	1.78	4.526	IO	|	|	|	|	|	12.24	11.667	0.00	1.70	3.783	IO	|	|	|	|	11.27
6.583	0.00	1.78	4.514	IO	|	|	|	|	|	12.23	11.750	0.00	1.70	3.771	IO	|	|	|	|	11.25
6.667	0.00	1.78	4.502	IO	|	|	|	|	|	12.21	11.833	0.00	1.70	3.759	IO	|	|	|	|	11.24
6.750	0.00	1.78	4.489	IO	|	|	|	|	|	12.20	11.917	0.00	1.70	3.748	IO	|	|	|	|	11.22
6.833	0.00	1.77	4.477	IO	|	|	|	|	|	12.18	12.000	0.00	1.70	3.736	IO	|	|	|	|	11.21
6.917	0.00	1.77	4.465	IO	|	|	|	|	|	12.17	12.083	0.00	1.70	3.724	IO	|	|	|	|	11.19
7.000	0.00	1.77	4.453	IO	|	|	|	|	|	12.16	12.167	0.00	1.69	3.713	IO	|	|	|	|	11.18
7.083	0.00	1.77	4.441	IO	|	|	|	|	|	12.14	12.250	0.00	1.69	3.701	IO	|	|	|	|	11.16
7.167	0.00	1.77	4.428	IO	|	|	|	|	|	12.13	12.333	0.00	1.69	3.689	IO	|	|	|	|	11.14
7.250	0.00	1.77	4.416	IO	|	|	|	|	|	12.11	12.417	0.00	1.69	3.678	IO	|	|	|	|	11.13
7.333	0.00	1.77	4.404	IO	|	|	|	|	|	12.10	12.500	0.00	1.69	3.666	IO	|	|	|	|	11.11
7.417	0.00	1.77	4.392	IO	|	|	|	|	|	12.08	12.583	0.00	1.69	3.654	IO	|	|	|	|	11.10
7.500	0.00	1.77	4.380	IO	|	|	|	|	|	12.07	12.667	0.00	1.69	3.643	IO	|	|	|	|	11.08
7.583	0.00	1.76	4.368	IO	|	|	|	|	|	12.05	12.750	0.00	1.69	3.631	IO	|	|	|	|	11.07
7.667	0.00	1.76	4.355	IO	|	|	|	|	|	12.04	12.833	0.00	1.68	3.619	IO	|	|	|	|	11.05
7.750	0.00	1.76	4.343	IO	|	|	|	|	|	12.03	12.917	0.00	1.68	3.608	IO	|	|	|	|	11.03
7.833	0.00	1.76	4.331	IO	|	|	|	|	|	12.01	13.000	0.00	1.68	3.596	IO	|	|	|	|	11.02
7.917	0.00	1.76	4.319	IO	|	|	|	|	|	12.00	13.083	0.00	1.68	3.585	IO	|	|	|	|	11.00
8.000	0.00	1.76	4.307	IO	|	|	|	|	|	11.98	13.167	0.00	1.68	3.573	IO	|	|	|	|	10.98
8.083	0.00	1.76	4.295	IO	|	|	|	|	|	11.96	13.250	0.00	1.68	3.562	IO	|	|	|	|	10.97
8.167	0.00	1.76	4.283	IO	|	|	|	|	|	11.95	13.333	0.00	1.68	3.550	IO	|	|	|	|	10.95
8.250	0.00	1.75	4.271	IO	|	|	|	|	|	11.93	13.417	0.00	1.67	3.538	IO	|	|	|	|	10.93

13.500	0.00	1.67	3.527	IO	|	|	|	|	10.91	18.667	0.00	1.57	2.834	IO	|	|	|	|	9.83
13.583	0.00	1.67	3.515	IO	|	|	|	|	10.90	18.750	0.00	1.57	2.823	IO	|	|	|	|	9.81
13.667	0.00	1.67	3.504	IO	|	|	|	|	10.88	18.833	0.00	1.57	2.812	IO	|	|	|	|	9.79
13.750	0.00	1.67	3.492	IO	|	|	|	|	10.86	18.917	0.00	1.57	2.801	IO	|	|	|	|	9.77
13.833	0.00	1.67	3.481	IO	|	|	|	|	10.84	19.000	0.00	1.57	2.790	IO	|	|	|	|	9.75
13.917	0.00	1.66	3.470	IO	|	|	|	|	10.83	19.083	0.00	1.57	2.780	IO	|	|	|	|	9.74
14.000	0.00	1.66	3.458	IO	|	|	|	|	10.81	19.167	0.00	1.56	2.769	IO	|	|	|	|	9.72
14.083	0.00	1.66	3.447	IO	|	|	|	|	10.79	19.250	0.00	1.56	2.758	IO	|	|	|	|	9.70
14.167	0.00	1.66	3.435	IO	|	|	|	|	10.77	19.333	0.00	1.56	2.747	IO	|	|	|	|	9.68
14.250	0.00	1.66	3.424	IO	|	|	|	|	10.76	19.417	0.00	1.56	2.736	IO	|	|	|	|	9.66
14.333	0.00	1.66	3.412	IO	|	|	|	|	10.74	19.500	0.00	1.56	2.726	IO	|	|	|	|	9.64
14.417	0.00	1.65	3.401	IO	|	|	|	|	10.72	19.583	0.00	1.56	2.715	IO	|	|	|	|	9.62
14.500	0.00	1.65	3.390	IO	|	|	|	|	10.70	19.667	0.00	1.55	2.704	IO	|	|	|	|	9.60
14.583	0.00	1.65	3.378	IO	|	|	|	|	10.69	19.750	0.00	1.55	2.694	IO	|	|	|	|	9.59
14.667	0.00	1.65	3.367	IO	|	|	|	|	10.67	19.833	0.00	1.55	2.683	IO	|	|	|	|	9.57
14.750	0.00	1.65	3.355	IO	|	|	|	|	10.65	19.917	0.00	1.55	2.672	IO	|	|	|	|	9.55
14.833	0.00	1.65	3.344	IO	|	|	|	|	10.63	20.000	0.00	1.55	2.662	IO	|	|	|	|	9.53
14.917	0.00	1.65	3.333	IO	|	|	|	|	10.62	20.083	0.00	1.55	2.651	IO	|	|	|	|	9.51
15.000	0.00	1.64	3.321	IO	|	|	|	|	10.60	20.167	0.00	1.54	2.640	IO	|	|	|	|	9.49
15.083	0.00	1.64	3.310	IO	|	|	|	|	10.58	20.250	0.00	1.54	2.630	IO	|	|	|	|	9.47
15.167	0.00	1.64	3.299	IO	|	|	|	|	10.56	20.333	0.00	1.54	2.619	IO	|	|	|	|	9.45
15.250	0.00	1.64	3.288	IO	|	|	|	|	10.55	20.417	0.00	1.54	2.608	IO	|	|	|	|	9.44
15.333	0.00	1.64	3.276	IO	|	|	|	|	10.53	20.500	0.00	1.54	2.598	IO	|	|	|	|	9.42
15.417	0.00	1.64	3.265	IO	|	|	|	|	10.51	20.583	0.00	1.54	2.587	IO	|	|	|	|	9.40
15.500	0.00	1.63	3.254	IO	|	|	|	|	10.49	20.667	0.00	1.53	2.577	IO	|	|	|	|	9.38
15.583	0.00	1.63	3.242	IO	|	|	|	|	10.48	20.750	0.00	1.53	2.566	IO	|	|	|	|	9.36
15.667	0.00	1.63	3.231	IO	|	|	|	|	10.46	20.833	0.00	1.53	2.556	IO	|	|	|	|	9.34
15.750	0.00	1.63	3.220	IO	|	|	|	|	10.44	20.917	0.00	1.53	2.545	IO	|	|	|	|	9.33
15.833	0.00	1.63	3.209	IO	|	|	|	|	10.43	21.000	0.00	1.53	2.535	IO	|	|	|	|	9.31
15.917	0.00	1.63	3.198	IO	|	|	|	|	10.41	21.083	0.00	1.53	2.524	IO	|	|	|	|	9.29
16.000	0.00	1.63	3.186	IO	|	|	|	|	10.39	21.167	0.00	1.52	2.514	IO	|	|	|	|	9.27
16.083	0.00	1.62	3.175	IO	|	|	|	|	10.37	21.250	0.00	1.52	2.503	IO	|	|	|	|	9.25
16.167	0.00	1.62	3.164	IO	|	|	|	|	10.36	21.333	0.00	1.52	2.493	IO	|	|	|	|	9.23
16.250	0.00	1.62	3.153	IO	|	|	|	|	10.34	21.417	0.00	1.52	2.482	IO	|	|	|	|	9.22
16.333	0.00	1.62	3.142	IO	|	|	|	|	10.32	21.500	0.00	1.52	2.472	IO	|	|	|	|	9.20
16.417	0.00	1.62	3.131	IO	|	|	|	|	10.31	21.583	0.00	1.52	2.461	IO	|	|	|	|	9.18
16.500	0.00	1.62	3.119	IO	|	|	|	|	10.29	21.667	0.00	1.51	2.451	IO	|	|	|	|	9.16
16.583	0.00	1.61	3.108	IO	|	|	|	|	10.27	21.750	0.00	1.51	2.440	IO	|	|	|	|	9.14
16.667	0.00	1.61	3.097	IO	|	|	|	|	10.25	21.833	0.00	1.51	2.430	IO	|	|	|	|	9.12
16.750	0.00	1.61	3.086	IO	|	|	|	|	10.24	21.917	0.00	1.51	2.419	IO	|	|	|	|	9.11
16.833	0.00	1.61	3.075	IO	|	|	|	|	10.22	22.000	0.00	1.51	2.409	IO	|	|	|	|	9.09
16.917	0.00	1.61	3.064	IO	|	|	|	|	10.20	22.083	0.00	1.51	2.399	IO	|	|	|	|	9.07
17.000	0.00	1.61	3.053	IO	|	|	|	|	10.19	22.167	0.00	1.50	2.388	IO	|	|	|	|	9.05
17.083	0.00	1.61	3.042	IO	|	|	|	|	10.17	22.250	0.00	1.50	2.378	IO	|	|	|	|	9.03
17.167	0.00	1.60	3.031	IO	|	|	|	|	10.15	22.333	0.00	1.50	2.368	IO	|	|	|	|	9.02
17.250	0.00	1.60	3.020	IO	|	|	|	|	10.14	22.417	0.00	1.50	2.357	IO	|	|	|	|	9.00
17.333	0.00	1.60	3.009	IO	|	|	|	|	10.12	22.500	0.00	1.50	2.347	IO	|	|	|	|	8.98
17.417	0.00	1.60	2.998	IO	|	|	|	|	10.10	22.583	0.00	1.50	2.337	IO	|	|	|	|	8.95
17.500	0.00	1.60	2.987	IO	|	|	|	|	10.09	22.667	0.00	1.49	2.326	IO	|	|	|	|	8.93
17.583	0.00	1.60	2.976	IO	|	|	|	|	10.07	22.750	0.00	1.49	2.316	IO	|	|	|	|	8.91
17.667	0.00	1.59	2.965	IO	|	|	|	|	10.05	22.833	0.00	1.49	2.306	IO	|	|	|	|	8.89
17.750	0.00	1.59	2.954	IO	|	|	|	|	10.03	22.917	0.00	1.49	2.296	IO	|	|	|	|	8.87
17.833	0.00	1.59	2.943	IO	|	|	|	|	10.02	23.000	0.00	1.49	2.285	IO	|	|	|	|	8.85
17.917	0.00	1.59	2.932	IO	|	|	|	|	10.00	23.083	0.00	1.48	2.275	IO	|	|	|	|	8.83
18.000	0.00	1.59	2.921	IO	|	|	|	|	9.98	23.167	0.00	1.48	2.265	IO	|	|	|	|	8.81
18.083	0.00	1.59	2.910	IO	|	|	|	|	9.96	23.250	0.00	1.48	2.255	IO	|	|	|	|	8.79
18.167	0.00	1.58	2.899	IO	|	|	|	|	9.94	23.333	0.00	1.48	2.244	IO	|	|	|	|	8.77
18.250	0.00	1.58	2.888	IO	|	|	|	|	9.92	23.417	0.00	1.48	2.234	IO	|	|	|	|	8.75
18.333	0.00	1.58	2.877	IO	|	|	|	|	9.91	23.500	0.00	1.48	2.224	IO	|	|	|	|	8.73
18.417	0.00	1.58	2.866	IO	|	|	|	|	9.89	23.583	0.00	1.47	2.214	IO	|	|	|	|	8.71
18.500	0.00	1.58	2.855	IO	|	|	|	|	9.87	23.667	0.00	1.47	2.204	IO	|	|	|	|	8.69
18.583	0.00	1.58	2.844	IO	|	|	|	|	9.85	23.750	0.00	1.47	2.194	IO	|	|	|	|	8.67

23.833	0.00	1.47	2.184	IO					8.65	29.000	0.00	1.34	1.582	O					7.34
23.917	0.00	1.47	2.173	IO					8.63	29.083	0.00	1.34	1.573	O					7.32
24.000	0.00	1.46	2.163	IO					8.61	29.167	0.00	1.34	1.563	O					7.30
24.083	0.00	1.46	2.153	IO					8.59	29.250	0.00	1.34	1.554	O					7.28
24.167	0.00	1.46	2.143	IO					8.56	29.333	0.00	1.34	1.545	O					7.25
24.250	0.00	1.46	2.133	IO					8.54	29.417	0.00	1.33	1.536	O					7.23
24.333	0.00	1.46	2.123	IO					8.52	29.500	0.00	1.33	1.527	O					7.21
24.417	0.00	1.46	2.113	IO					8.50	29.583	0.00	1.33	1.517	O					7.19
24.500	0.00	1.45	2.103	IO					8.48	29.667	0.00	1.33	1.508	O					7.17
24.583	0.00	1.45	2.093	IO					8.46	29.750	0.00	1.32	1.499	O					7.15
24.667	0.00	1.45	2.083	IO					8.44	29.833	0.00	1.32	1.490	O					7.12
24.750	0.00	1.45	2.073	IO					8.42	29.917	0.00	1.32	1.481	O					7.10
24.833	0.00	1.45	2.063	IO					8.40	30.000	0.00	1.32	1.472	O					7.08
24.917	0.00	1.44	2.053	IO					8.38	30.083	0.00	1.32	1.463	O					7.06
25.000	0.00	1.44	2.043	IO					8.36	30.167	0.00	1.31	1.454	O					7.04
25.083	0.00	1.44	2.033	IO					8.34	30.250	0.00	1.31	1.445	O					7.02
25.167	0.00	1.44	2.023	IO					8.32	30.333	0.00	1.31	1.436	O					7.00
25.250	0.00	1.44	2.013	IO					8.30	30.417	0.00	1.31	1.427	O					6.97
25.333	0.00	1.44	2.004	IO					8.28	30.500	0.00	1.30	1.418	O					6.95
25.417	0.00	1.43	1.994	IO					8.26	30.583	0.00	1.30	1.409	O					6.92
25.500	0.00	1.43	1.984	IO					8.24	30.667	0.00	1.30	1.400	O					6.90
25.583	0.00	1.43	1.974	IO					8.22	30.750	0.00	1.30	1.391	O					6.87
25.667	0.00	1.43	1.964	IO					8.20	30.833	0.00	1.29	1.382	O					6.85
25.750	0.00	1.43	1.954	IO					8.18	30.917	0.00	1.29	1.373	O					6.82
25.833	0.00	1.42	1.945	IO					8.16	31.000	0.00	1.29	1.364	O					6.80
25.917	0.00	1.42	1.935	IO					8.14	31.083	0.00	1.29	1.355	O					6.77
26.000	0.00	1.42	1.925	IO					8.12	31.167	0.00	1.28	1.346	O					6.75
26.083	0.00	1.42	1.915	IO					8.11	31.250	0.00	1.28	1.338	O					6.72
26.167	0.00	1.42	1.905	IO					8.09	31.333	0.00	1.28	1.329	O					6.70
26.250	0.00	1.42	1.896	IO					8.07	31.417	0.00	1.27	1.320	O					6.68
26.333	0.00	1.41	1.886	IO					8.05	31.500	0.00	1.27	1.311	O					6.65
26.417	0.00	1.41	1.876	IO					8.03	31.583	0.00	1.27	1.302	O					6.63
26.500	0.00	1.41	1.866	IO					8.01	31.667	0.00	1.27	1.294	O					6.60
26.583	0.00	1.41	1.857	IO					7.99	31.750	0.00	1.26	1.285	O					6.58
26.667	0.00	1.41	1.847	IO					7.96	31.833	0.00	1.26	1.276	O					6.55
26.750	0.00	1.40	1.837	IO					7.94	31.917	0.00	1.26	1.268	O					6.53
26.833	0.00	1.40	1.828	O					7.92	32.000	0.00	1.26	1.259	O					6.51
26.917	0.00	1.40	1.818	O					7.89	32.083	0.00	1.25	1.250	O					6.48
27.000	0.00	1.40	1.808	O					7.87	32.167	0.00	1.25	1.242	O					6.46
27.083	0.00	1.39	1.799	O					7.85	32.250	0.00	1.25	1.233	O					6.44
27.167	0.00	1.39	1.789	O					7.83	32.333	0.00	1.25	1.225	O					6.41
27.250	0.00	1.39	1.780	O					7.80	32.417	0.00	1.24	1.216	O					6.39
27.333	0.00	1.39	1.770	O					7.78	32.500	0.00	1.24	1.207	O					6.36
27.417	0.00	1.39	1.760	O					7.76	32.583	0.00	1.24	1.199	O					6.34
27.500	0.00	1.38	1.751	O					7.74	32.667	0.00	1.23	1.190	O					6.32
27.583	0.00	1.38	1.741	O					7.71	32.750	0.00	1.23	1.182	O					6.29
27.667	0.00	1.38	1.732	O					7.69	32.833	0.00	1.23	1.173	O					6.27
27.750	0.00	1.38	1.722	O					7.67	32.917	0.00	1.23	1.165	O					6.25
27.833	0.00	1.37	1.713	O					7.65	33.000	0.00	1.22	1.157	O					6.22
27.917	0.00	1.37	1.703	O					7.63	33.083	0.00	1.22	1.148	O					6.20
28.000	0.00	1.37	1.694	O					7.60	33.167	0.00	1.22	1.140	O					6.18
28.083	0.00	1.37	1.685	O					7.58	33.250	0.00	1.22	1.131	O					6.15
28.167	0.00	1.37	1.675	O					7.56	33.333	0.00	1.21	1.123	O					6.13
28.250	0.00	1.36	1.666	O					7.54	33.417	0.00	1.21	1.115	O					6.11
28.333	0.00	1.36	1.656	O					7.52	33.500	0.00	1.21	1.106	O					6.08
28.417	0.00	1.36	1.647	O					7.49	33.583	0.00	1.21	1.098	O					6.06
28.500	0.00	1.36	1.638	O					7.47	33.667	0.00	1.20	1.090	O					6.04
28.583	0.00	1.35	1.628	O					7.45	33.750	0.00	1.20	1.081	O					6.01
28.667	0.00	1.35	1.619	O					7.43	33.833	0.00	1.20	1.073	O					5.99
28.750	0.00	1.35	1.610	O					7.41	33.917	0.00	1.20	1.065	O					5.96
28.833	0.00	1.35	1.600	O					7.38	34.000	0.00	1.19	1.057	O					5.94
28.917	0.00	1.35	1.591	O					7.36	34.083	0.00	1.19	1.048	O					5.91

34.167	0.00	1.19	1.040	O	|	|	|	|	5.88	39.333	0.00	0.97	0.578	O	|	|	|	|	4.20
34.250	0.00	1.18	1.032	O	|	|	|	|	5.85	39.417	0.00	0.96	0.571	O	|	|	|	|	4.17
34.333	0.00	1.18	1.024	O	|	|	|	|	5.83	39.500	0.00	0.96	0.565	O	|	|	|	|	4.14
34.417	0.00	1.18	1.016	O	|	|	|	|	5.80	39.583	0.00	0.96	0.558	O	|	|	|	|	4.12
34.500	0.00	1.17	1.008	O	|	|	|	|	5.77	39.667	0.00	0.95	0.551	O	|	|	|	|	4.09
34.583	0.00	1.17	1.000	O	|	|	|	|	5.75	39.750	0.00	0.95	0.545	O	|	|	|	|	4.06
34.667	0.00	1.17	0.992	O	|	|	|	|	5.72	39.833	0.00	0.95	0.538	O	|	|	|	|	4.04
34.750	0.00	1.16	0.984	O	|	|	|	|	5.69	39.917	0.00	0.94	0.532	O	|	|	|	|	4.01
34.833	0.00	1.16	0.976	O	|	|	|	|	5.67	40.000	0.00	0.94	0.525	O	|	|	|	|	3.98
34.917	0.00	1.16	0.968	O	|	|	|	|	5.64	40.083	0.00	0.93	0.519	O	|	|	|	|	3.95
35.000	0.00	1.15	0.960	O	|	|	|	|	5.61	40.167	0.00	0.93	0.513	O	|	|	|	|	3.92
35.083	0.00	1.15	0.952	O	|	|	|	|	5.59	40.250	0.00	0.92	0.506	O	|	|	|	|	3.88
35.167	0.00	1.15	0.944	O	|	|	|	|	5.56	40.333	0.00	0.92	0.500	O	|	|	|	|	3.85
35.250	0.00	1.14	0.936	O	|	|	|	|	5.53	40.417	0.00	0.91	0.494	O	|	|	|	|	3.82
35.333	0.00	1.14	0.928	O	|	|	|	|	5.51	40.500	0.00	0.91	0.487	O	|	|	|	|	3.79
35.417	0.00	1.14	0.920	O	|	|	|	|	5.48	40.583	0.00	0.90	0.481	O	|	|	|	|	3.76
35.500	0.00	1.13	0.912	O	|	|	|	|	5.46	40.667	0.00	0.90	0.475	O	|	|	|	|	3.72
35.583	0.00	1.13	0.905	O	|	|	|	|	5.43	40.750	0.00	0.89	0.469	O	|	|	|	|	3.69
35.667	0.00	1.13	0.897	O	|	|	|	|	5.40	40.833	0.00	0.89	0.463	O	|	|	|	|	3.66
35.750	0.00	1.13	0.889	O	|	|	|	|	5.38	40.917	0.00	0.88	0.457	O	|	|	|	|	3.63
35.833	0.00	1.12	0.881	O	|	|	|	|	5.35	41.000	0.00	0.88	0.450	O	|	|	|	|	3.60
35.917	0.00	1.12	0.874	O	|	|	|	|	5.33	41.083	0.00	0.87	0.444	O	|	|	|	|	3.57
36.000	0.00	1.12	0.866	O	|	|	|	|	5.30	41.167	0.00	0.87	0.439	O	|	|	|	|	3.54
36.083	0.00	1.11	0.858	O	|	|	|	|	5.28	41.250	0.00	0.86	0.433	O	|	|	|	|	3.51
36.167	0.00	1.11	0.851	O	|	|	|	|	5.25	41.333	0.00	0.86	0.427	O	|	|	|	|	3.48
36.250	0.00	1.11	0.843	O	|	|	|	|	5.23	41.417	0.00	0.85	0.421	O	|	|	|	|	3.45
36.333	0.00	1.10	0.835	O	|	|	|	|	5.20	41.500	0.00	0.85	0.415	O	|	|	|	|	3.42
36.417	0.00	1.10	0.828	O	|	|	|	|	5.18	41.583	0.00	0.84	0.409	O	|	|	|	|	3.39
36.500	0.00	1.10	0.820	O	|	|	|	|	5.15	41.667	0.00	0.84	0.403	O	|	|	|	|	3.36
36.583	0.00	1.09	0.813	O	|	|	|	|	5.12	41.750	0.00	0.83	0.398	O	|	|	|	|	3.33
36.667	0.00	1.09	0.805	O	|	|	|	|	5.10	41.833	0.00	0.83	0.392	O	|	|	|	|	3.30
36.750	0.00	1.09	0.798	O	|	|	|	|	5.07	41.917	0.00	0.82	0.386	O	|	|	|	|	3.27
36.833	0.00	1.09	0.790	O	|	|	|	|	5.05	42.000	0.00	0.82	0.380	O	|	|	|	|	3.24
36.917	0.00	1.08	0.783	O	|	|	|	|	5.03	42.083	0.00	0.81	0.375	O	|	|	|	|	3.21
37.000	0.00	1.08	0.775	O	|	|	|	|	5.00	42.167	0.00	0.81	0.369	O	|	|	|	|	3.19
37.083	0.00	1.08	0.768	O	|	|	|	|	4.97	42.250	0.00	0.81	0.364	O	|	|	|	|	3.16
37.167	0.00	1.07	0.760	O	|	|	|	|	4.94	42.333	0.00	0.80	0.358	O	|	|	|	|	3.13
37.250	0.00	1.07	0.753	O	|	|	|	|	4.91	42.417	0.00	0.80	0.353	O	|	|	|	|	3.10
37.333	0.00	1.06	0.746	O	|	|	|	|	4.88	42.500	0.00	0.79	0.347	O	|	|	|	|	3.07
37.417	0.00	1.06	0.738	O	|	|	|	|	4.85	42.583	0.00	0.79	0.342	O	|	|	|	|	3.04
37.500	0.00	1.05	0.731	O	|	|	|	|	4.82	42.667	0.00	0.78	0.336	O	|	|	|	|	3.02
37.583	0.00	1.05	0.724	O	|	|	|	|	4.79	42.750	0.00	0.78	0.331	O	|	|	|	|	2.99
37.667	0.00	1.05	0.717	O	|	|	|	|	4.76	42.833	0.00	0.77	0.326	O	|	|	|	|	2.95
37.750	0.00	1.04	0.709	O	|	|	|	|	4.73	42.917	0.00	0.76	0.320	O	|	|	|	|	2.92
37.833	0.00	1.04	0.702	O	|	|	|	|	4.70	43.000	0.00	0.75	0.315	O	|	|	|	|	2.88
37.917	0.00	1.03	0.695	O	|	|	|	|	4.68	43.083	0.00	0.75	0.310	O	|	|	|	|	2.85
38.000	0.00	1.03	0.688	O	|	|	|	|	4.65	43.167	0.00	0.74	0.305	O	|	|	|	|	2.81
38.083	0.00	1.03	0.681	O	|	|	|	|	4.62	43.250	0.00	0.73	0.300	O	|	|	|	|	2.78
38.167	0.00	1.02	0.674	O	|	|	|	|	4.59	43.333	0.00	0.72	0.295	O	|	|	|	|	2.75
38.250	0.00	1.02	0.667	O	|	|	|	|	4.56	43.417	0.00	0.72	0.290	O	|	|	|	|	2.71
38.333	0.00	1.01	0.660	O	|	|	|	|	4.53	43.500	0.00	0.71	0.285	O	|	|	|	|	2.68
38.417	0.00	1.01	0.653	O	|	|	|	|	4.50	43.583	0.00	0.70	0.280	O	|	|	|	|	2.65
38.500	0.00	1.01	0.646	O	|	|	|	|	4.48	43.667	0.00	0.70	0.275	O	|	|	|	|	2.62
38.583	0.00	1.00	0.639	O	|	|	|	|	4.45	43.750	0.00	0.69	0.271	O	|	|	|	|	2.59
38.667	0.00	1.00	0.632	O	|	|	|	|	4.42	43.833	0.00	0.68	0.266	O	|	|	|	|	2.55
38.750	0.00	0.99	0.625	O	|	|	|	|	4.39	43.917	0.00	0.68	0.261	O	|	|	|	|	2.52
38.833	0.00	0.99	0.618	O	|	|	|	|	4.36	44.000	0.00	0.67	0.256	O	|	|	|	|	2.49
38.917	0.00	0.99	0.612	O	|	|	|	|	4.34	44.083	0.00	0.66	0.252	O	|	|	|	|	2.46
39.000	0.00	0.98	0.605	O	|	|	|	|	4.31	44.167	0.00	0.66	0.247	O	|	|	|	|	2.43
39.083	0.00	0.98	0.598	O	|	|	|	|	4.28	44.250	0.00	0.65	0.243	O	|	|	|	|	2.40
39.167	0.00	0.98	0.591	O	|	|	|	|	4.25	44.333	0.00	0.64	0.238	O	|	|	|	|	2.37
39.250	0.00	0.97	0.585	O	|	|	|	|	4.23	44.417	0.00	0.64	0.234	O	|	|	|	|	2.34

44.500	0.00	0.63	0.230	O					2.32	49.667	0.00	0.18	0.066	O					0.91
44.583	0.00	0.62	0.225	O					2.29	49.750	0.00	0.18	0.065	O					0.89
44.667	0.00	0.62	0.221	O					2.26	49.833	0.00	0.17	0.064	O					0.87
44.750	0.00	0.61	0.217	O					2.23	49.917	0.00	0.17	0.063	O					0.86
44.833	0.00	0.60	0.213	O					2.20	50.000	0.00	0.17	0.062	O					0.84
44.917	0.00	0.60	0.209	O					2.18	50.083	0.00	0.17	0.060	O					0.83
45.000	0.00	0.59	0.204	O					2.15	50.167	0.00	0.16	0.059	O					0.81
45.083	0.00	0.59	0.200	O					2.12	50.250	0.00	0.16	0.058	O					0.80
45.167	0.00	0.58	0.196	O					2.10	50.333	0.00	0.16	0.057	O					0.78
45.250	0.00	0.58	0.192	O					2.07	50.417	0.00	0.15	0.056	O					0.77
45.333	0.00	0.57	0.188	O					2.04	50.500	0.00	0.15	0.055	O					0.75
45.417	0.00	0.56	0.185	O					2.02	50.583	0.00	0.15	0.054	O					0.74
45.500	0.00	0.56	0.181	O					1.99	50.667	0.00	0.14	0.053	O					0.72
45.583	0.00	0.54	0.177	O					1.95	50.750	0.00	0.14	0.052	O					0.71
45.667	0.00	0.53	0.173	O					1.92	50.833	0.00	0.14	0.051	O					0.70
45.750	0.00	0.52	0.170	O					1.89	50.917	0.00	0.14	0.050	O					0.68
45.833	0.00	0.51	0.166	O					1.85	51.000	0.00	0.13	0.049	O					0.67
45.917	0.00	0.50	0.163	O					1.82	51.083	0.00	0.13	0.048	O					0.66
46.000	0.00	0.48	0.159	O					1.79	51.167	0.00	0.13	0.047	O					0.65
46.083	0.00	0.47	0.156	O					1.76	51.250	0.00	0.13	0.046	O					0.63
46.167	0.00	0.46	0.153	O					1.73	51.333	0.00	0.12	0.045	O					0.62
46.250	0.00	0.45	0.150	O					1.70	51.417	0.00	0.12	0.045	O					0.61
46.333	0.00	0.44	0.146	O					1.67	51.500	0.00	0.12	0.044	O					0.60
46.417	0.00	0.43	0.143	O					1.65	51.583	0.00	0.12	0.043	O					0.59
46.500	0.00	0.42	0.140	O					1.62	51.667	0.00	0.12	0.042	O					0.58
46.583	0.00	0.41	0.138	O					1.59	51.750	0.00	0.11	0.041	O					0.57
46.667	0.00	0.40	0.135	O					1.57	51.833	0.00	0.11	0.041	O					0.56
46.750	0.00	0.39	0.132	O					1.54	51.917	0.00	0.11	0.040	O					0.55
46.833	0.00	0.39	0.129	O					1.52	52.000	0.00	0.11	0.039	O					0.54
46.917	0.00	0.38	0.127	O					1.49	52.083	0.00	0.11	0.038	O					0.53
47.000	0.00	0.37	0.124	O					1.47	52.167	0.00	0.10	0.038	O					0.52
47.083	0.00	0.36	0.122	O					1.45	52.250	0.00	0.10	0.037	O					0.51
47.167	0.00	0.35	0.119	O					1.42	52.333	0.00	0.10	0.036	O					0.50
47.250	0.00	0.34	0.117	O					1.40	52.417	0.00	0.10	0.036	O					0.49
47.333	0.00	0.34	0.114	O					1.38	52.500	0.00	0.10	0.035	O					0.48
47.417	0.00	0.33	0.112	O					1.36	52.583	0.00	0.09	0.034	O					0.47
47.500	0.00	0.32	0.110	O					1.34	52.667	0.00	0.09	0.034	O					0.46
47.583	0.00	0.31	0.108	O					1.32	52.750	0.00	0.09	0.033	O					0.45
47.667	0.00	0.31	0.106	O					1.30	52.833	0.00	0.09	0.032	O					0.44
47.750	0.00	0.30	0.103	O					1.28	52.917	0.00	0.09	0.032	O					0.44
47.833	0.00	0.29	0.101	O					1.26	53.000	0.00	0.09	0.031	O					0.43
47.917	0.00	0.29	0.099	O					1.24	53.083	0.00	0.08	0.031	O					0.42
48.000	0.00	0.28	0.097	O					1.22	53.167	0.00	0.08	0.030	O					0.41
48.083	0.00	0.27	0.096	O					1.21	53.250	0.00	0.08	0.029	O					0.40
48.167	0.00	0.27	0.094	O					1.19	53.333	0.00	0.08	0.029	O					0.40
48.250	0.00	0.26	0.092	O					1.17	53.417	0.00	0.08	0.028	O					0.39
48.333	0.00	0.26	0.090	O					1.16	53.500	0.00	0.08	0.028	O					0.38
48.417	0.00	0.25	0.088	O					1.14	53.583	0.00	0.07	0.027	O					0.37
48.500	0.00	0.24	0.087	O					1.12	53.667	0.00	0.07	0.027	O					0.37
48.583	0.00	0.24	0.085	O					1.11	53.750	0.00	0.07	0.026	O					0.36
48.667	0.00	0.23	0.083	O					1.09	53.833	0.00	0.07	0.026	O					0.35
48.750	0.00	0.23	0.082	O					1.08	53.917	0.00	0.07	0.025	O					0.35
48.833	0.00	0.22	0.080	O					1.07	54.000	0.00	0.07	0.025	O					0.34
48.917	0.00	0.22	0.079	O					1.05	54.083	0.00	0.07	0.024	O					0.33
49.000	0.00	0.21	0.077	O					1.04	54.167	0.00	0.07	0.024	O					0.33
49.083	0.00	0.21	0.076	O					1.02	54.250	0.00	0.06	0.023	O					0.32
49.167	0.00	0.20	0.074	O					1.01	54.333	0.00	0.06	0.023	O					0.32
49.250	0.00	0.20	0.073	O					1.00	54.417	0.00	0.06	0.023	O					0.31
49.333	0.00	0.20	0.072	O					0.98	54.500	0.00	0.06	0.022	O					0.30
49.417	0.00	0.19	0.070	O					0.96	54.583	0.00	0.06	0.022	O					0.30
49.500	0.00	0.19	0.069	O					0.94	54.667	0.00	0.06	0.021	O					0.29
49.583	0.00	0.19	0.068	O					0.93	54.750	0.00	0.06	0.021	O					0.29

54.833	0.00	0.06	0.021	O	|	|	|	|	0.28	60.000	0.00	0.02	0.006	O	|	|	|	|	0.09
54.917	0.00	0.06	0.020	O	|	|	|	|	0.28	60.083	0.00	0.02	0.006	O	|	|	|	|	0.09
55.000	0.00	0.05	0.020	O	|	|	|	|	0.27	60.167	0.00	0.02	0.006	O	|	|	|	|	0.08
55.083	0.00	0.05	0.019	O	|	|	|	|	0.27	60.250	0.00	0.02	0.006	O	|	|	|	|	0.08
55.167	0.00	0.05	0.019	O	|	|	|	|	0.26	60.333	0.00	0.02	0.006	O	|	|	|	|	0.08
55.250	0.00	0.05	0.019	O	|	|	|	|	0.26	60.417	0.00	0.02	0.006	O	|	|	|	|	0.08
55.333	0.00	0.05	0.018	O	|	|	|	|	0.25	60.500	0.00	0.02	0.006	O	|	|	|	|	0.08
55.417	0.00	0.05	0.018	O	|	|	|	|	0.25	60.583	0.00	0.02	0.006	O	|	|	|	|	0.08
55.500	0.00	0.05	0.018	O	|	|	|	|	0.24	60.667	0.00	0.02	0.005	O	|	|	|	|	0.08
55.583	0.00	0.05	0.017	O	|	|	|	|	0.24	60.750	0.00	0.01	0.005	O	|	|	|	|	0.07
55.667	0.00	0.05	0.017	O	|	|	|	|	0.23	60.833	0.00	0.01	0.005	O	|	|	|	|	0.07
55.750	0.00	0.05	0.017	O	|	|	|	|	0.23	60.917	0.00	0.01	0.005	O	|	|	|	|	0.07
55.833	0.00	0.04	0.016	O	|	|	|	|	0.22	61.000	0.00	0.01	0.005	O	|	|	|	|	0.07
55.917	0.00	0.04	0.016	O	|	|	|	|	0.22	61.083	0.00	0.01	0.005	O	|	|	|	|	0.07
56.000	0.00	0.04	0.016	O	|	|	|	|	0.22	61.167	0.00	0.01	0.005	O	|	|	|	|	0.07
56.083	0.00	0.04	0.016	O	|	|	|	|	0.21	61.250	0.00	0.01	0.005	O	|	|	|	|	0.07
56.167	0.00	0.04	0.015	O	|	|	|	|	0.21	61.333	0.00	0.01	0.005	O	|	|	|	|	0.06
56.250	0.00	0.04	0.015	O	|	|	|	|	0.20	61.417	0.00	0.01	0.005	O	|	|	|	|	0.06
56.333	0.00	0.04	0.015	O	|	|	|	|	0.20	61.500	0.00	0.01	0.005	O	|	|	|	|	0.06
56.417	0.00	0.04	0.014	O	|	|	|	|	0.20	61.583	0.00	0.01	0.004	O	|	|	|	|	0.06
56.500	0.00	0.04	0.014	O	|	|	|	|	0.19	61.667	0.00	0.01	0.004	O	|	|	|	|	0.06
56.583	0.00	0.04	0.014	O	|	|	|	|	0.19	61.750	0.00	0.01	0.004	O	|	|	|	|	0.06
56.667	0.00	0.04	0.014	O	|	|	|	|	0.19	61.833	0.00	0.01	0.004	O	|	|	|	|	0.06
56.750	0.00	0.04	0.013	O	|	|	|	|	0.18	61.917	0.00	0.01	0.004	O	|	|	|	|	0.06
56.833	0.00	0.04	0.013	O	|	|	|	|	0.18	62.000	0.00	0.01	0.004	O	|	|	|	|	0.06
56.917	0.00	0.04	0.013	O	|	|	|	|	0.18	62.083	0.00	0.01	0.004	O	|	|	|	|	0.05
57.000	0.00	0.03	0.013	O	|	|	|	|	0.17	62.167	0.00	0.01	0.004	O	|	|	|	|	0.05
57.083	0.00	0.03	0.012	O	|	|	|	|	0.17	62.250	0.00	0.01	0.004	O	|	|	|	|	0.05
57.167	0.00	0.03	0.012	O	|	|	|	|	0.17	62.333	0.00	0.01	0.004	O	|	|	|	|	0.05
57.250	0.00	0.03	0.012	O	|	|	|	|	0.16	62.417	0.00	0.01	0.004	O	|	|	|	|	0.05
57.333	0.00	0.03	0.012	O	|	|	|	|	0.16	62.500	0.00	0.01	0.004	O	|	|	|	|	0.05
57.417	0.00	0.03	0.011	O	|	|	|	|	0.16	62.583	0.00	0.01	0.004	O	|	|	|	|	0.05
57.500	0.00	0.03	0.011	O	|	|	|	|	0.15	62.667	0.00	0.01	0.003	O	|	|	|	|	0.05
57.583	0.00	0.03	0.011	O	|	|	|	|	0.15	62.750	0.00	0.01	0.003	O	|	|	|	|	0.05
57.667	0.00	0.03	0.011	O	|	|	|	|	0.15	62.833	0.00	0.01	0.003	O	|	|	|	|	0.05
57.750	0.00	0.03	0.011	O	|	|	|	|	0.15	62.917	0.00	0.01	0.003	O	|	|	|	|	0.05
57.833	0.00	0.03	0.010	O	|	|	|	|	0.14	63.000	0.00	0.01	0.003	O	|	|	|	|	0.04
57.917	0.00	0.03	0.010	O	|	|	|	|	0.14	63.083	0.00	0.01	0.003	O	|	|	|	|	0.04
58.000	0.00	0.03	0.010	O	|	|	|	|	0.14	63.167	0.00	0.01	0.003	O	|	|	|	|	0.04
58.083	0.00	0.03	0.010	O	|	|	|	|	0.14	63.250	0.00	0.01	0.003	O	|	|	|	|	0.04
58.167	0.00	0.03	0.010	O	|	|	|	|	0.13	63.333	0.00	0.01	0.003	O	|	|	|	|	0.04
58.250	0.00	0.03	0.009	O	|	|	|	|	0.13	63.417	0.00	0.01	0.003	O	|	|	|	|	0.04
58.333	0.00	0.03	0.009	O	|	|	|	|	0.13	63.500	0.00	0.01	0.003	O	|	|	|	|	0.04
58.417	0.00	0.03	0.009	O	|	|	|	|	0.13	63.583	0.00	0.01	0.003	O	|	|	|	|	0.04
58.500	0.00	0.02	0.009	O	|	|	|	|	0.12	63.667	0.00	0.01	0.003	O	|	|	|	|	0.04
58.583	0.00	0.02	0.009	O	|	|	|	|	0.12	63.750	0.00	0.01	0.003	O	|	|	|	|	0.04
58.667	0.00	0.02	0.009	O	|	|	|	|	0.12	63.833	0.00	0.01	0.003	O	|	|	|	|	0.04
58.750	0.00	0.02	0.008	O	|	|	|	|	0.12	63.917	0.00	0.01	0.003	O	|	|	|	|	0.04
58.833	0.00	0.02	0.008	O	|	|	|	|	0.11	64.000	0.00	0.01	0.003	O	|	|	|	|	0.04
58.917	0.00	0.02	0.008	O	|	|	|	|	0.11	64.083	0.00	0.01	0.003	O	|	|	|	|	0.03
59.000	0.00	0.02	0.008	O	|	|	|	|	0.11	64.167	0.00	0.01	0.002	O	|	|	|	|	0.03
59.083	0.00	0.02	0.008	O	|	|	|	|	0.11	64.250	0.00	0.01	0.002	O	|	|	|	|	0.03
59.167	0.00	0.02	0.008	O	|	|	|	|	0.11	64.333	0.00	0.01	0.002	O	|	|	|	|	0.03
59.250	0.00	0.02	0.008	O	|	|	|	|	0.10	64.417	0.00	0.01	0.002	O	|	|	|	|	0.03
59.333	0.00	0.02	0.007	O	|	|	|	|	0.10	64.500	0.00	0.01	0.002	O	|	|	|	|	0.03
59.417	0.00	0.02	0.007	O	|	|	|	|	0.10	64.583	0.00	0.01	0.002	O	|	|	|	|	0.03
59.500	0.00	0.02	0.007	O	|	|	|	|	0.10	64.667	0.00	0.01	0.002	O	|	|	|	|	0.03
59.583	0.00	0.02	0.007	O	|	|	|	|	0.10	64.750	0.00	0.01	0.002	O	|	|	|	|	0.03
59.667	0.00	0.02	0.007	O	|	|	|	|	0.09	64.833	0.00	0.01	0.002	O	|	|	|	|	0.03
59.750	0.00	0.02	0.007	O	|	|	|	|	0.09	64.917	0.00	0.01	0.002	O	|	|	|	|	0.03
59.833	0.00	0.02	0.007	O	|	|	|	|	0.09	65.000	0.00	0.01	0.002	O	|	|	|	|	0.03
59.917	0.00	0.02	0.007	O	|	|	|	|	0.09	65.083	0.00	0.01	0.002	O	|	|	|	|	0.03

65.167	0.00	0.01	0.002	O	|	|	|	|	0.03
65.250	0.00	0.01	0.002	O	|	|	|	|	0.03
65.333	0.00	0.01	0.002	O	|	|	|	|	0.03
65.417	0.00	0.01	0.002	O	|	|	|	|	0.03
65.500	0.00	0.01	0.002	O	|	|	|	|	0.03
65.583	0.00	0.00	0.002	O	|	|	|	|	0.02
65.667	0.00	0.00	0.002	O	|	|	|	|	0.02
65.750	0.00	0.00	0.002	O	|	|	|	|	0.02
65.833	0.00	0.00	0.002	O	|	|	|	|	0.02
65.917	0.00	0.00	0.002	O	|	|	|	|	0.02
66.000	0.00	0.00	0.002	O	|	|	|	|	0.02
66.083	0.00	0.00	0.002	O	|	|	|	|	0.02
66.167	0.00	0.00	0.002	O	|	|	|	|	0.02
66.250	0.00	0.00	0.002	O	|	|	|	|	0.02
66.333	0.00	0.00	0.002	O	|	|	|	|	0.02
66.417	0.00	0.00	0.001	O	|	|	|	|	0.02
66.500	0.00	0.00	0.001	O	|	|	|	|	0.02
66.583	0.00	0.00	0.001	O	|	|	|	|	0.02
66.667	0.00	0.00	0.001	O	|	|	|	|	0.02
66.750	0.00	0.00	0.001	O	|	|	|	|	0.02
66.833	0.00	0.00	0.001	O	|	|	|	|	0.02
66.917	0.00	0.00	0.001	O	|	|	|	|	0.02
67.000	0.00	0.00	0.001	O	|	|	|	|	0.02
67.083	0.00	0.00	0.001	O	|	|	|	|	0.02
67.167	0.00	0.00	0.001	O	|	|	|	|	0.02
67.250	0.00	0.00	0.001	O	|	|	|	|	0.02
67.333	0.00	0.00	0.001	O	|	|	|	|	0.02
67.417	0.00	0.00	0.001	O	|	|	|	|	0.02
67.500	0.00	0.00	0.001	O	|	|	|	|	0.02
67.583	0.00	0.00	0.001	O	|	|	|	|	0.02
67.667	0.00	0.00	0.001	O	|	|	|	|	0.02
67.750	0.00	0.00	0.001	O	|	|	|	|	0.02
67.833	0.00	0.00	0.001	O	|	|	|	|	0.01
67.917	0.00	0.00	0.001	O	|	|	|	|	0.01
68.000	0.00	0.00	0.001	O	|	|	|	|	0.01
68.083	0.00	0.00	0.001	O	|	|	|	|	0.01
68.167	0.00	0.00	0.001	O	|	|	|	|	0.01
68.250	0.00	0.00	0.001	O	|	|	|	|	0.01
68.333	0.00	0.00	0.001	O	|	|	|	|	0.01
68.417	0.00	0.00	0.001	O	|	|	|	|	0.01
68.500	0.00	0.00	0.001	O	|	|	|	|	0.01
68.583	0.00	0.00	0.001	O	|	|	|	|	0.01
68.667	0.00	0.00	0.001	O	|	|	|	|	0.01
68.750	0.00	0.00	0.001	O	|	|	|	|	0.01
68.833	0.00	0.00	0.001	O	|	|	|	|	0.01
68.917	0.00	0.00	0.001	O	|	|	|	|	0.01
69.000	0.00	0.00	0.001	O	|	|	|	|	0.01
69.083	0.00	0.00	0.001	O	|	|	|	|	0.01
69.167	0.00	0.00	0.001	O	|	|	|	|	0.01
69.250	0.00	0.00	0.001	O	|	|	|	|	0.01
69.333	0.00	0.00	0.001	O	|	|	|	|	0.01
69.417	0.00	0.00	0.001	O	|	|	|	|	0.01
69.500	0.00	0.00	0.001	O	|	|	|	|	0.01
69.583	0.00	0.00	0.001	O	|	|	|	|	0.01
69.667	0.00	0.00	0.001	O	|	|	|	|	0.01
69.750	0.00	0.00	0.001	O	|	|	|	|	0.01
69.833	0.00	0.00	0.001	O	|	|	|	|	0.01
69.917	0.00	0.00	0.001	O	|	|	|	|	0.01
70.000	0.00	0.00	0.001	O	|	|	|	|	0.01
70.083	0.00	0.00	0.001	O	|	|	|	|	0.01
70.167	0.00	0.00	0.001	O	|	|	|	|	0.01
70.250	0.00	0.00	0.001	O	|	|	|	|	0.01
70.333	0.00	0.00	0.001	O	|	|	|	|	0.01
70.417	0.00	0.00	0.001	O	|	|	|	|	0.01
70.500	0.00	0.00	0.001	O	|	|	|	|	0.01
70.583	0.00	0.00	0.001	O	|	|	|	|	0.01
70.667	0.00	0.00	0.001	O	|	|	|	|	0.01
70.750	0.00	0.00	0.001	O	|	|	|	|	0.01
70.833	0.00	0.00	0.001	O	|	|	|	|	0.01
70.917	0.00	0.00	0.001	O	|	|	|	|	0.01
71.000	0.00	0.00	0.001	O	|	|	|	|	0.01
71.083	0.00	0.00	0.001	O	|	|	|	|	0.01
71.167	0.00	0.00	0.001	O	|	|	|	|	0.01
71.250	0.00	0.00	0.001	O	|	|	|	|	0.01
71.333	0.00	0.00	0.000	O	|	|	|	|	0.01
71.417	0.00	0.00	0.000	O	|	|	|	|	0.01
71.500	0.00	0.00	0.000	O	|	|	|	|	0.01
71.583	0.00	0.00	0.000	O	|	|	|	|	0.01
71.667	0.00	0.00	0.000	O	|	|	|	|	0.01
71.750	0.00	0.00	0.000	O	|	|	|	|	0.01
71.833	0.00	0.00	0.000	O	|	|	|	|	0.01
71.917	0.00	0.00	0.000	O	|	|	|	|	0.01
72.000	0.00	0.00	0.000	O	|	|	|	|	0.01
72.083	0.00	0.00	0.000	O	|	|	|	|	0.01
72.167	0.00	0.00	0.000	O	|	|	|	|	0.01
72.250	0.00	0.00	0.000	O	|	|	|	|	0.01
72.333	0.00	0.00	0.000	O	|	|	|	|	0.01
72.417	0.00	0.00	0.000	O	|	|	|	|	0.01
72.500	0.00	0.00	0.000	O	|	|	|	|	0.01
72.583	0.00	0.00	0.000	O	|	|	|	|	0.01
72.667	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 872
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.786 (CFS)
Total volume = 5.152 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.215	36.978	0.000	0.000	0.000
Vol (Ac.Ft)	0.299	7.946	0.000	0.000	0.000

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Process from Point/Station 10.920 to Point/Station 10.920

**** STORE OR DELETE CURRENT HYDROGRAPH ****

Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 3 with
a starting time of 0.00 hours and ending time of 25.00 hours
With a total volume of 3.11(Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.215	36.978	1.786	0.000	0.000
Vol (Ac.Ft)	0.299	7.946	3.114	0.000	0.000

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Process from Point/Station       10.930 to Point/Station       10.940
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
________________________________________________________________________
********************* HYDROGRAPH INFORMATION **********************

                 From study/file name: MESAP10H1006100.rte
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                   P R I N T   O F   S T O R M
                 R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
             Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0       18.4      36.9      55.3      73.8
------------------------------------------------------------------------
  0+ 5       1.1183      1.12  Q        |         |         |         |
  0+10       4.5822      4.58  | Q      |         |         |         |
  0+15       6.1704      6.17  |  Q     |         |         |         |
  0+20       6.6891      6.69  |  Q     |         |         |         |
  0+25       6.8391      6.84  |  Q     |         |         |         |
  0+30       7.2081      7.21  |  Q     |         |         |         |
  0+35       8.1271      8.13  |   Q    |         |         |         |
  0+40       8.3902      8.39  |   Q    |         |         |         |
  0+45       8.4819      8.48  |   Q    |         |         |         |
  0+50       8.5051      8.51  |   Q    |         |         |         |
  0+55       8.5168      8.52  |   Q    |         |         |         |
  1+ 0       8.8353      8.84  |   Q    |         |         |         |
  1+ 5       9.7480      9.75  |    Q   |         |         |         |
  1+10      10.0129     10.01  |    Q   |         |         |         |
  1+15      10.1060     10.11  |    Q   |         |         |         |
  1+20      10.1296     10.13  |    Q   |         |         |         |
  1+25      10.1416     10.14  |    Q   |         |         |         |
  1+30      10.1451     10.15  |    Q   |         |         |         |
  1+35      10.1451     10.15  |    Q   |         |         |         |
  1+40      10.1451     10.15  |    Q   |         |         |         |
  1+45      10.1451     10.15  |    Q   |         |         |         |
  1+50      10.1451     10.15  |    Q   |         |         |         |
  1+55      10.1451     10.15  |    Q   |         |         |         |
  2+ 0      10.4601     10.46  |    Q   |         |         |         |
  2+ 5      11.0578     11.06  |    Q   |         |         |         |
  2+10      10.7249     10.72  |    Q   |         |         |         |
  2+15      11.4660     11.47  |     Q  |         |         |         |
  2+20      11.6613     11.66  |     Q  |         |         |         |
  2+25      11.7427     11.74  |     Q  |         |         |         |
  2+30      11.7579     11.76  |     Q  |         |         |         |
  2+35      11.7663     11.77  |     Q  |         |         |         |
  2+40      11.7699     11.77  |     Q  |         |         |         |
  2+45      12.0849     12.08  |     Q  |         |         |         |
  2+50      12.9976     13.00  |      Q |         |         |         |
  2+55      13.2624     13.26  |      Q |         |         |         |
  3+ 0      13.3556     13.36  |      Q |         |         |         |
  3+ 5      13.3792     13.38  |      Q |         |         |         |
  3+10      13.7061     13.71  |      Q |         |         |         |
  3+15      14.6224     14.62  |      Q |         |         |         |
  3+20      14.8872     14.89  |       Q|         |         |         |
  3+25      15.2954     15.30  |       Q|         |         |         |
  3+30      16.5467     16.55  |       Q|         |         |         |
  3+35      18.0512     18.05  |        Q|        |         |         |
  3+40      19.3255     19.33  |         Q        |         |         |
  3+45      20.0221     20.02  |         Q        |         |         |
  3+50      21.0635     21.06  |         |Q       |         |         |
  3+55      21.6824     21.68  |         |Q       |         |         |
  4+ 0      22.7038     22.70  |         | Q      |         |         |
  4+ 5      23.3107     23.31  |         | Q      |         |         |
  4+10      24.6435     24.64  |         |  Q     |         |         |
  4+15      26.1632     26.16  |         |   Q    |         |         |
  4+20      27.7609     27.76  |         |    Q   |         |         |
  4+25      29.3738     29.37  |         |    Q   |         |         |
  4+30      30.6800     30.68  |         |     Q  |         |         |
  4+35      31.3921     31.39  |         |      Q |         |         |
  4+40      32.7520     32.75  |         |      Q |         |         |
  4+45      34.2836     34.28  |         |       Q|         |         |
  4+50      35.5698     35.57  |         |        Q|        |         |
  4+55      36.2699     36.27  |         |        Q|        |         |
  5+ 0      37.6264     37.63  |         |         Q        |         |
  5+ 5      40.4180     40.42  |         |         |Q       |         |
  5+10      46.9302     46.93  |         |         |    Q   |         |
  5+15      53.8834     53.88  |         |         |        Q|        |
  5+20      59.3921     59.39  |         |         |         | Q      |
  5+25      65.0991     65.10  |         |         |         |    Q   |
  5+30      73.7530     73.75  |         |         |         |      Q |
  5+35      72.0643     72.06  |         |         |         |       Q|
  5+40      38.1158     38.12  |         |         |        Q|        |
  5+45      19.2526     19.25  |         |        Q|         |        |
  5+50      10.4925     10.49  |    Q    |         |         |        |
  5+55       6.9270      6.93  |  Q      |         |         |        |
  6+ 0       4.2957      4.30  | Q       |         |         |        |
  6+ 5       2.4384      2.44  |Q        |         |         |        |
  6+10       0.7345      0.73  Q         |         |         |        |
  6+15       0.2399      0.24  Q         |         |         |        |
  6+20       0.0714      0.07  Q         |         |         |        |
  6+25       0.0244      0.02  Q         |         |         |        |
  6+30       0.0050      0.00  Q         |         |         |        |
------------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                     Number of intervals =    78
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       73.753 (CFS)
                     Total volume =       9.806 (Ac.Ft)
           Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      0.215    36.978     1.786     0.000     0.000
           Vol (Ac.Ft)     0.299     7.946     3.114     0.000     0.000
      ************************************************************************

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      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.940 to Point/Station       10.940
      **** RETARDING BASIN ROUTING ****
      ________________________________________________________________________

      User entry of depth-outflow-storage data
      ---------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 78
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ---------------------------------------------------------------------
```

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.319	0.400	0.318	0.320
2.000	0.703	0.580	0.701	0.705
3.000	1.155	1.120	1.151	1.159
4.000	1.677	1.410	1.672	1.682
5.000	2.272	1.650	2.266	2.278
6.000	2.942	1.850	2.936	2.948
7.000	3.688	2.040	3.681	3.695
8.000	4.513	2.200	4.505	4.521
9.000	5.417	2.360	5.409	5.425
10.000	6.422	2.510	6.413	6.431
11.000	7.509	2.640	7.500	7.518
12.000	8.660	2.770	8.650	8.670
13.000	9.897	32.020	9.787	10.007
14.000	11.222	85.390	10.928	11.516
15.000	12.636	154.460	12.104	13.168

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	18.4	36.88	55.31	73.75	Depth (Ft.)
0.083	1.12	0.00	0.004	O	|	|	|	|	0.01
0.167	4.58	0.03	0.023	OI	|	|	|	|	0.07
0.250	6.17	0.08	0.060	O I	|	|	|	|	0.19
0.333	6.69	0.13	0.104	O I	|	|	|	|	0.32
0.417	6.84	0.19	0.149	O I	|	|	|	|	0.47
0.500	7.21	0.25	0.196	O I	|	|	|	|	0.61
0.583	8.13	0.31	0.247	O I	|	|	|	|	0.77
0.667	8.39	0.38	0.301	O I	|	|	|	|	0.94
0.750	8.48	0.42	0.357	O I	|	|	|	|	1.10
0.833	8.51	0.44	0.412	O I	|	|	|	|	1.24
0.917	8.52	0.47	0.468	O I	|	|	|	|	1.39
1.000	8.84	0.50	0.524	O I	|	|	|	|	1.53
1.083	9.75	0.52	0.585	O I	|	|	|	|	1.69
1.167	10.01	0.55	0.649	O I	|	|	|	|	1.86
1.250	10.11	0.59	0.714	O I	|	|	|	|	2.02
1.333	10.13	0.67	0.780	O I	|	|	|	|	2.17
1.417	10.14	0.75	0.845	O I	|	|	|	|	2.31
1.500	10.15	0.83	0.909	O I	|	|	|	|	2.46
1.583	10.15	0.90	0.973	O I	|	|	|	|	2.60
1.667	10.15	0.98	1.036	O I	|	|	|	|	2.74
1.750	10.15	1.05	1.099	O I	|	|	|	|	2.88
1.833	10.15	1.12	1.162	O I	|	|	|	|	3.01
1.917	10.15	1.16	1.224	O I	|	|	|	|	3.13
2.000	10.46	1.19	1.286	O I	|	|	|	|	3.25
2.083	11.06	1.23	1.352	O I	|	|	|	|	3.38
2.167	10.72	1.27	1.419	O I	|	|	|	|	3.50
2.250	11.47	1.30	1.486	O I	|	|	|	|	3.63
2.333	11.66	1.34	1.557	O I	|	|	|	|	3.77
2.417	11.74	1.38	1.628	O I	|	|	|	|	3.91
2.500	11.76	1.42	1.699	O I	|	|	|	|	4.04
2.583	11.77	1.45	1.770	O I	|	|	|	|	4.16
2.667	11.77	1.48	1.841	O I	|	|	|	|	4.28
2.750	12.08	1.51	1.913	O I	|	|	|	|	4.40
2.833	13.00	1.54	1.989	O I	|	|	|	|	4.52
2.917	13.26	1.57	2.069	O I	|	|	|	|	4.66
3.000	13.36	1.60	2.150	O I	|	|	|	|	4.79
3.083	13.38	1.63	2.230	O I	|	|	|	|	4.93
3.167	13.71	1.66	2.312	O I	|	|	|	|	5.06
3.250	14.62	1.69	2.398	O I	|	|	|	|	5.19
3.333	14.89	1.71	2.488	O I	|	|	|	|	5.32
3.417	15.30	1.74	2.580	O I	|	|	|	|	5.46
3.500	16.55	1.77	2.678	O I	|	|	|	|	5.61
3.583	18.05	1.80	2.785	O I	|	|	|	|	5.77
3.667	19.33	1.84	2.901	O I	|	|	|	|	5.94
3.750	20.02	1.87	3.024	O I	|	|	|	|	6.11
3.833	21.06	1.90	3.152	O I	|	|	|	|	6.28
3.917	21.68	1.94	3.286	O I	|	|	|	|	6.46
4.000	22.70	1.97	3.425	O I	|	|	|	|	6.65
4.083	23.31	2.01	3.570	O I	|	|	|	|	6.84
4.167	24.64	2.05	3.721	O I	|	|	|	|	7.04
4.250	26.16	2.08	3.882	O I	|	|	|	|	7.24
4.333	27.76	2.11	4.053	O I	|	|	|	|	7.44
4.417	29.37	2.15	4.235	O I	|	|	|	|	7.66
4.500	30.68	2.18	4.427	O I	|	|	|	|	7.90
4.583	31.39	2.22	4.626	O I	|	|	|	|	8.12
4.667	32.75	2.26	4.831	O I	|	|	|	|	8.35
4.750	34.28	2.29	5.047	O I	|	|	|	|	8.59
4.833	35.57	2.33	5.271	O I	|	|	|	|	8.84
4.917	36.27	2.37	5.502	O I	|	|	|	|	9.08
5.000	37.63	2.41	5.740	O I	|	|	|	|	9.32
5.083	40.42	2.45	5.992	O I	|	|	|	|	9.57
5.167	46.93	2.49	6.276	O I	|	|	|	|	9.85
5.250	53.88	2.53	6.606	O I	|	|	|	|	10.17
5.333	59.39	2.58	6.978	O I	|	|	|	|	10.51
5.417	65.10	2.63	7.389	O I	|	|	|	|	10.89
5.500	73.75	2.68	7.849	O I	|	|	|	|	11.30
5.583	72.06	2.73	8.333	O I	|	|	|	|	11.72
5.667	38.12	3.49	8.691	O I	|	|	|	|	12.02
5.750	19.25	7.29	8.851	O I	|	|	|	|	12.15
5.833	10.49	8.43	8.899	OI	|	|	|	|	12.19
5.917	6.93	8.47	8.901	O	|	|	|	|	12.19
6.000	4.30	8.04	8.883	I O	|	|	|	|	12.18
6.083	2.44	7.34	8.853	I O	|	|	|	|	12.16
6.167	0.73	6.47	8.817	I O	|	|	|	|	12.13
6.250	0.24	5.57	8.778	I O	|	|	|	|	12.10
6.333	0.07	4.75	8.744	I O	|	|	|	|	12.07
6.417	0.02	4.05	8.714	IO	|	|	|	|	12.04
6.500	0.00	3.44	8.688	IO	|	|	|	|	12.02
6.583	0.00	2.92	8.666	IO	|	|	|	|	12.01
6.667	0.00	2.77	8.647	IO	|	|	|	|	11.99
6.750	0.00	2.77	8.628	IO	|	|	|	|	11.97
6.833	0.00	2.76	8.609	IO	|	|	|	|	11.96
6.917	0.00	2.76	8.590	IO	|	|	|	|	11.94
7.000	0.00	2.76	8.571	IO	|	|	|	|	11.92
7.083	0.00	2.76	8.552	IO	|	|	|	|	11.91
7.167	0.00	2.76	8.533	IO	|	|	|	|	11.89
7.250	0.00	2.75	8.514	IO	|	|	|	|	11.87
7.333	0.00	2.75	8.495	IO	|	|	|	|	11.86
7.417	0.00	2.75	8.476	IO	|	|	|	|	11.84
7.500	0.00	2.75	8.457	IO	|	|	|	|	11.82

7.583	0.00	2.74	8.438	IO					11.81	12.750	0.00	2.61	7.294	IO					10.80
7.667	0.00	2.74	8.419	IO					11.79	12.833	0.00	2.61	7.276	IO					10.79
7.750	0.00	2.74	8.400	IO					11.77	12.917	0.00	2.61	7.258	IO					10.77
7.833	0.00	2.74	8.381	IO					11.76	13.000	0.00	2.61	7.240	IO					10.75
7.917	0.00	2.74	8.362	IO					11.74	13.083	0.00	2.61	7.222	IO					10.74
8.000	0.00	2.73	8.344	IO					11.73	13.167	0.00	2.60	7.204	IO					10.72
8.083	0.00	2.73	8.325	IO					11.71	13.250	0.00	2.60	7.186	IO					10.70
8.167	0.00	2.73	8.306	IO					11.69	13.333	0.00	2.60	7.168	IO					10.69
8.250	0.00	2.73	8.287	IO					11.68	13.417	0.00	2.60	7.150	IO					10.67
8.333	0.00	2.73	8.268	IO					11.66	13.500	0.00	2.59	7.132	IO					10.65
8.417	0.00	2.72	8.250	IO					11.64	13.583	0.00	2.59	7.114	IO					10.64
8.500	0.00	2.72	8.231	IO					11.63	13.667	0.00	2.59	7.097	IO					10.62
8.583	0.00	2.72	8.212	IO					11.61	13.750	0.00	2.59	7.079	IO					10.60
8.667	0.00	2.72	8.193	IO					11.59	13.833	0.00	2.59	7.061	IO					10.59
8.750	0.00	2.72	8.175	IO					11.58	13.917	0.00	2.58	7.043	IO					10.57
8.833	0.00	2.71	8.156	IO					11.56	14.000	0.00	2.58	7.025	IO					10.56
8.917	0.00	2.71	8.137	IO					11.55	14.083	0.00	2.58	7.008	IO					10.54
9.000	0.00	2.71	8.119	IO					11.53	14.167	0.00	2.58	6.990	IO					10.52
9.083	0.00	2.71	8.100	IO					11.51	14.250	0.00	2.58	6.972	IO					10.51
9.167	0.00	2.70	8.081	IO					11.50	14.333	0.00	2.57	6.954	IO					10.49
9.250	0.00	2.70	8.063	IO					11.48	14.417	0.00	2.57	6.937	IO					10.47
9.333	0.00	2.70	8.044	IO					11.46	14.500	0.00	2.57	6.919	IO					10.46
9.417	0.00	2.70	8.026	IO					11.45	14.583	0.00	2.57	6.901	IO					10.44
9.500	0.00	2.70	8.007	IO					11.43	14.667	0.00	2.57	6.884	IO					10.42
9.583	0.00	2.69	7.988	IO					11.42	14.750	0.00	2.56	6.866	IO					10.41
9.667	0.00	2.69	7.970	IO					11.40	14.833	0.00	2.56	6.848	IO					10.39
9.750	0.00	2.69	7.951	IO					11.38	14.917	0.00	2.56	6.831	IO					10.38
9.833	0.00	2.69	7.933	IO					11.37	15.000	0.00	2.56	6.813	IO					10.36
9.917	0.00	2.69	7.914	IO					11.35	15.083	0.00	2.55	6.795	IO					10.34
10.000	0.00	2.68	7.896	IO					11.34	15.167	0.00	2.55	6.778	IO					10.33
10.083	0.00	2.68	7.877	IO					11.32	15.250	0.00	2.55	6.760	IO					10.31
10.167	0.00	2.68	7.859	IO					11.30	15.333	0.00	2.55	6.743	IO					10.30
10.250	0.00	2.68	7.840	IO					11.29	15.417	0.00	2.55	6.725	IO					10.28
10.333	0.00	2.68	7.822	IO					11.27	15.500	0.00	2.54	6.708	IO					10.26
10.417	0.00	2.67	7.804	IO					11.26	15.583	0.00	2.54	6.690	IO					10.25
10.500	0.00	2.67	7.785	IO					11.24	15.667	0.00	2.54	6.673	IO					10.23
10.583	0.00	2.67	7.767	IO					11.22	15.750	0.00	2.54	6.655	IO					10.21
10.667	0.00	2.67	7.748	IO					11.21	15.833	0.00	2.54	6.638	IO					10.20
10.750	0.00	2.66	7.730	IO					11.19	15.917	0.00	2.53	6.620	IO					10.18
10.833	0.00	2.66	7.712	IO					11.18	16.000	0.00	2.53	6.603	IO					10.17
10.917	0.00	2.66	7.693	IO					11.16	16.083	0.00	2.53	6.585	IO					10.15
11.000	0.00	2.66	7.675	IO					11.14	16.167	0.00	2.53	6.568	IO					10.13
11.083	0.00	2.66	7.657	IO					11.13	16.250	0.00	2.53	6.551	IO					10.12
11.167	0.00	2.65	7.639	IO					11.11	16.333	0.00	2.52	6.533	IO					10.10
11.250	0.00	2.65	7.620	IO					11.10	16.417	0.00	2.52	6.516	IO					10.09
11.333	0.00	2.65	7.602	IO					11.08	16.500	0.00	2.52	6.498	IO					10.07
11.417	0.00	2.65	7.584	IO					11.06	16.583	0.00	2.52	6.481	IO					10.05
11.500	0.00	2.65	7.566	IO					11.05	16.667	0.00	2.51	6.464	IO					10.04
11.583	0.00	2.64	7.547	IO					11.03	16.750	0.00	2.51	6.446	IO					10.02
11.667	0.00	2.64	7.529	IO					11.02	16.833	0.00	2.51	6.429	IO					10.01
11.750	0.00	2.64	7.511	IO					11.00	16.917	0.00	2.51	6.412	IO					9.99
11.833	0.00	2.64	7.493	IO					10.99	17.000	0.00	2.51	6.395	IO					9.97
11.917	0.00	2.64	7.475	IO					10.97	17.083	0.00	2.50	6.377	IO					9.96
12.000	0.00	2.63	7.456	IO					10.95	17.167	0.00	2.50	6.360	IO					9.94
12.083	0.00	2.63	7.438	IO					10.93	17.250	0.00	2.50	6.343	IO					9.92
12.167	0.00	2.63	7.420	IO					10.92	17.333	0.00	2.50	6.326	IO					9.90
12.250	0.00	2.63	7.402	IO					10.90	17.417	0.00	2.49	6.308	IO					9.89
12.333	0.00	2.63	7.384	IO					10.88	17.500	0.00	2.49	6.291	IO					9.87
12.417	0.00	2.62	7.366	IO					10.87	17.583	0.00	2.49	6.274	IO					9.85
12.500	0.00	2.62	7.348	IO					10.85	17.667	0.00	2.49	6.257	IO					9.84
12.583	0.00	2.62	7.330	IO					10.84	17.750	0.00	2.48	6.240	IO					9.82
12.667	0.00	2.62	7.312	IO					10.82	17.833	0.00	2.48	6.223	IO					9.80

17.917	0.00	2.48	6.206	IO	|	|	|	|	9.78	23.083	0.00	2.32	5.181	IO	|	|	|	|	8.74
18.000	0.00	2.48	6.189	IO	|	|	|	|	9.77	23.167	0.00	2.32	5.165	IO	|	|	|	|	8.72
18.083	0.00	2.47	6.172	IO	|	|	|	|	9.75	23.250	0.00	2.31	5.149	IO	|	|	|	|	8.70
18.167	0.00	2.47	6.155	IO	|	|	|	|	9.73	23.333	0.00	2.31	5.133	IO	|	|	|	|	8.69
18.250	0.00	2.47	6.138	IO	|	|	|	|	9.72	23.417	0.00	2.31	5.117	IO	|	|	|	|	8.67
18.333	0.00	2.47	6.121	IO	|	|	|	|	9.70	23.500	0.00	2.30	5.102	O	|	|	|	|	8.65
18.417	0.00	2.46	6.104	IO	|	|	|	|	9.68	23.583	0.00	2.30	5.086	O	|	|	|	|	8.63
18.500	0.00	2.46	6.087	IO	|	|	|	|	9.67	23.667	0.00	2.30	5.070	O	|	|	|	|	8.62
18.583	0.00	2.46	6.070	IO	|	|	|	|	9.65	23.750	0.00	2.30	5.054	O	|	|	|	|	8.60
18.667	0.00	2.45	6.053	IO	|	|	|	|	9.63	23.833	0.00	2.29	5.038	O	|	|	|	|	8.58
18.750	0.00	2.45	6.036	IO	|	|	|	|	9.62	23.917	0.00	2.29	5.022	O	|	|	|	|	8.56
18.833	0.00	2.45	6.019	IO	|	|	|	|	9.60	24.000	0.00	2.29	5.007	O	|	|	|	|	8.55
18.917	0.00	2.45	6.002	IO	|	|	|	|	9.58	24.083	0.00	2.28	4.991	O	|	|	|	|	8.53
19.000	0.00	2.44	5.985	IO	|	|	|	|	9.57	24.167	0.00	2.28	4.975	O	|	|	|	|	8.51
19.083	0.00	2.44	5.969	IO	|	|	|	|	9.55	24.250	0.00	2.28	4.960	O	|	|	|	|	8.49
19.167	0.00	2.44	5.952	IO	|	|	|	|	9.53	24.333	0.00	2.28	4.944	O	|	|	|	|	8.48
19.250	0.00	2.44	5.935	IO	|	|	|	|	9.52	24.417	0.00	2.27	4.928	O	|	|	|	|	8.46
19.333	0.00	2.43	5.918	IO	|	|	|	|	9.50	24.500	0.00	2.27	4.913	O	|	|	|	|	8.44
19.417	0.00	2.43	5.901	IO	|	|	|	|	9.48	24.583	0.00	2.27	4.897	O	|	|	|	|	8.42
19.500	0.00	2.43	5.885	IO	|	|	|	|	9.47	24.667	0.00	2.27	4.881	O	|	|	|	|	8.41
19.583	0.00	2.43	5.868	IO	|	|	|	|	9.45	24.750	0.00	2.26	4.866	O	|	|	|	|	8.39
19.667	0.00	2.42	5.851	IO	|	|	|	|	9.43	24.833	0.00	2.26	4.850	O	|	|	|	|	8.37
19.750	0.00	2.42	5.835	IO	|	|	|	|	9.42	24.917	0.00	2.26	4.835	O	|	|	|	|	8.36
19.833	0.00	2.42	5.818	IO	|	|	|	|	9.40	25.000	0.00	2.25	4.819	O	|	|	|	|	8.34
19.917	0.00	2.42	5.801	IO	|	|	|	|	9.38	25.083	0.00	2.25	4.804	O	|	|	|	|	8.32
20.000	0.00	2.41	5.785	IO	|	|	|	|	9.37	25.167	0.00	2.25	4.788	O	|	|	|	|	8.30
20.083	0.00	2.41	5.768	IO	|	|	|	|	9.35	25.250	0.00	2.25	4.773	O	|	|	|	|	8.29
20.167	0.00	2.41	5.751	IO	|	|	|	|	9.33	25.333	0.00	2.24	4.757	O	|	|	|	|	8.27
20.250	0.00	2.41	5.735	IO	|	|	|	|	9.32	25.417	0.00	2.24	4.742	O	|	|	|	|	8.25
20.333	0.00	2.40	5.718	IO	|	|	|	|	9.30	25.500	0.00	2.24	4.726	O	|	|	|	|	8.24
20.417	0.00	2.40	5.702	IO	|	|	|	|	9.28	25.583	0.00	2.24	4.711	O	|	|	|	|	8.22
20.500	0.00	2.40	5.685	IO	|	|	|	|	9.27	25.667	0.00	2.23	4.695	O	|	|	|	|	8.20
20.583	0.00	2.40	5.669	IO	|	|	|	|	9.25	25.750	0.00	2.23	4.680	O	|	|	|	|	8.18
20.667	0.00	2.40	5.652	IO	|	|	|	|	9.23	25.833	0.00	2.23	4.665	O	|	|	|	|	8.17
20.750	0.00	2.39	5.636	IO	|	|	|	|	9.22	25.917	0.00	2.22	4.649	O	|	|	|	|	8.15
20.833	0.00	2.39	5.619	IO	|	|	|	|	9.20	26.000	0.00	2.22	4.634	O	|	|	|	|	8.13
20.917	0.00	2.39	5.603	IO	|	|	|	|	9.18	26.083	0.00	2.22	4.619	O	|	|	|	|	8.12
21.000	0.00	2.39	5.586	IO	|	|	|	|	9.17	26.167	0.00	2.22	4.604	O	|	|	|	|	8.10
21.083	0.00	2.38	5.570	IO	|	|	|	|	9.15	26.250	0.00	2.21	4.588	O	|	|	|	|	8.08
21.167	0.00	2.38	5.553	IO	|	|	|	|	9.14	26.333	0.00	2.21	4.573	O	|	|	|	|	8.07
21.250	0.00	2.38	5.537	IO	|	|	|	|	9.12	26.417	0.00	2.21	4.558	O	|	|	|	|	8.05
21.333	0.00	2.38	5.521	IO	|	|	|	|	9.10	26.500	0.00	2.21	4.543	O	|	|	|	|	8.03
21.417	0.00	2.37	5.504	IO	|	|	|	|	9.09	26.583	0.00	2.20	4.527	O	|	|	|	|	8.02
21.500	0.00	2.37	5.488	IO	|	|	|	|	9.07	26.667	0.00	2.20	4.512	O	|	|	|	|	8.00
21.583	0.00	2.37	5.472	IO	|	|	|	|	9.05	26.750	0.00	2.20	4.497	O	|	|	|	|	7.98
21.667	0.00	2.37	5.455	IO	|	|	|	|	9.04	26.833	0.00	2.19	4.482	O	|	|	|	|	7.96
21.750	0.00	2.36	5.439	IO	|	|	|	|	9.02	26.917	0.00	2.19	4.467	O	|	|	|	|	7.94
21.833	0.00	2.36	5.423	IO	|	|	|	|	9.01	27.000	0.00	2.19	4.452	O	|	|	|	|	7.93
21.917	0.00	2.36	5.407	IO	|	|	|	|	8.99	27.083	0.00	2.19	4.437	O	|	|	|	|	7.91
22.000	0.00	2.36	5.390	IO	|	|	|	|	8.97	27.167	0.00	2.18	4.422	O	|	|	|	|	7.89
22.083	0.00	2.35	5.374	IO	|	|	|	|	8.95	27.250	0.00	2.18	4.407	O	|	|	|	|	7.87
22.167	0.00	2.35	5.358	IO	|	|	|	|	8.93	27.333	0.00	2.18	4.392	O	|	|	|	|	7.85
22.250	0.00	2.35	5.342	IO	|	|	|	|	8.92	27.417	0.00	2.17	4.377	O	|	|	|	|	7.83
22.333	0.00	2.34	5.326	IO	|	|	|	|	8.90	27.500	0.00	2.17	4.362	O	|	|	|	|	7.82
22.417	0.00	2.34	5.309	IO	|	|	|	|	8.88	27.583	0.00	2.17	4.347	O	|	|	|	|	7.80
22.500	0.00	2.34	5.293	IO	|	|	|	|	8.86	27.667	0.00	2.16	4.332	O	|	|	|	|	7.78
22.583	0.00	2.34	5.277	IO	|	|	|	|	8.85	27.750	0.00	2.16	4.317	O	|	|	|	|	7.76
22.667	0.00	2.33	5.261	IO	|	|	|	|	8.83	27.833	0.00	2.16	4.302	O	|	|	|	|	7.74
22.750	0.00	2.33	5.245	IO	|	|	|	|	8.81	27.917	0.00	2.16	4.287	O	|	|	|	|	7.73
22.833	0.00	2.33	5.229	IO	|	|	|	|	8.79	28.000	0.00	2.15	4.272	O	|	|	|	|	7.71
22.917	0.00	2.32	5.213	IO	|	|	|	|	8.77	28.083	0.00	2.15	4.258	O	|	|	|	|	7.69
23.000	0.00	2.32	5.197	IO	|	|	|	|	8.76	28.167	0.00	2.15	4.243	O	|	|	|	|	7.67

28.250	0.00	2.14	4.228	O	|	|	|	|	7.65	33.417	0.00	1.95	3.351	O	|	|	|	|	6.55
28.333	0.00	2.14	4.213	O	|	|	|	|	7.64	33.500	0.00	1.95	3.337	O	|	|	|	|	6.53
28.417	0.00	2.14	4.199	O	|	|	|	|	7.62	33.583	0.00	1.95	3.324	O	|	|	|	|	6.51
28.500	0.00	2.14	4.184	O	|	|	|	|	7.60	33.667	0.00	1.94	3.311	O	|	|	|	|	6.49
28.583	0.00	2.13	4.169	O	|	|	|	|	7.58	33.750	0.00	1.94	3.297	O	|	|	|	|	6.48
28.667	0.00	2.13	4.154	O	|	|	|	|	7.57	33.833	0.00	1.94	3.284	O	|	|	|	|	6.46
28.750	0.00	2.13	4.140	O	|	|	|	|	7.55	33.917	0.00	1.93	3.271	O	|	|	|	|	6.44
28.833	0.00	2.12	4.125	O	|	|	|	|	7.53	34.000	0.00	1.93	3.257	O	|	|	|	|	6.42
28.917	0.00	2.12	4.111	O	|	|	|	|	7.51	34.083	0.00	1.93	3.244	O	|	|	|	|	6.40
29.000	0.00	2.12	4.096	O	|	|	|	|	7.49	34.167	0.00	1.92	3.231	O	|	|	|	|	6.39
29.083	0.00	2.12	4.081	O	|	|	|	|	7.48	34.250	0.00	1.92	3.217	O	|	|	|	|	6.37
29.167	0.00	2.11	4.067	O	|	|	|	|	7.46	34.333	0.00	1.92	3.204	O	|	|	|	|	6.35
29.250	0.00	2.11	4.052	O	|	|	|	|	7.44	34.417	0.00	1.91	3.191	O	|	|	|	|	6.33
29.333	0.00	2.11	4.038	O	|	|	|	|	7.42	34.500	0.00	1.91	3.178	O	|	|	|	|	6.32
29.417	0.00	2.11	4.023	O	|	|	|	|	7.41	34.583	0.00	1.91	3.165	O	|	|	|	|	6.30
29.500	0.00	2.10	4.009	O	|	|	|	|	7.39	34.667	0.00	1.90	3.152	O	|	|	|	|	6.28
29.583	0.00	2.10	3.994	O	|	|	|	|	7.37	34.750	0.00	1.90	3.139	O	|	|	|	|	6.26
29.667	0.00	2.10	3.980	O	|	|	|	|	7.35	34.833	0.00	1.90	3.125	O	|	|	|	|	6.25
29.750	0.00	2.09	3.965	O	|	|	|	|	7.34	34.917	0.00	1.89	3.112	O	|	|	|	|	6.23
29.833	0.00	2.09	3.951	O	|	|	|	|	7.32	35.000	0.00	1.89	3.099	O	|	|	|	|	6.21
29.917	0.00	2.09	3.937	O	|	|	|	|	7.30	35.083	0.00	1.89	3.086	O	|	|	|	|	6.19
30.000	0.00	2.09	3.922	O	|	|	|	|	7.28	35.167	0.00	1.88	3.073	O	|	|	|	|	6.18
30.083	0.00	2.08	3.908	O	|	|	|	|	7.27	35.250	0.00	1.88	3.060	O	|	|	|	|	6.16
30.167	0.00	2.08	3.893	O	|	|	|	|	7.25	35.333	0.00	1.88	3.047	O	|	|	|	|	6.14
30.250	0.00	2.08	3.879	O	|	|	|	|	7.23	35.417	0.00	1.87	3.035	O	|	|	|	|	6.12
30.333	0.00	2.07	3.865	O	|	|	|	|	7.21	35.500	0.00	1.87	3.022	O	|	|	|	|	6.11
30.417	0.00	2.07	3.851	O	|	|	|	|	7.20	35.583	0.00	1.87	3.009	O	|	|	|	|	6.09
30.500	0.00	2.07	3.836	O	|	|	|	|	7.18	35.667	0.00	1.86	2.996	O	|	|	|	|	6.07
30.583	0.00	2.07	3.822	O	|	|	|	|	7.16	35.750	0.00	1.86	2.983	O	|	|	|	|	6.06
30.667	0.00	2.06	3.808	O	|	|	|	|	7.15	35.833	0.00	1.86	2.970	O	|	|	|	|	6.04
30.750	0.00	2.06	3.794	O	|	|	|	|	7.13	35.917	0.00	1.85	2.958	O	|	|	|	|	6.02
30.833	0.00	2.06	3.779	O	|	|	|	|	7.11	36.000	0.00	1.85	2.945	O	|	|	|	|	6.00
30.917	0.00	2.05	3.765	O	|	|	|	|	7.09	36.083	0.00	1.85	2.932	O	|	|	|	|	5.99
31.000	0.00	2.05	3.751	O	|	|	|	|	7.08	36.167	0.00	1.84	2.919	O	|	|	|	|	5.97
31.083	0.00	2.05	3.737	O	|	|	|	|	7.06	36.250	0.00	1.84	2.907	O	|	|	|	|	5.95
31.167	0.00	2.05	3.723	O	|	|	|	|	7.04	36.333	0.00	1.84	2.894	O	|	|	|	|	5.93
31.250	0.00	2.04	3.709	O	|	|	|	|	7.03	36.417	0.00	1.83	2.881	O	|	|	|	|	5.91
31.333	0.00	2.04	3.695	O	|	|	|	|	7.01	36.500	0.00	1.83	2.869	O	|	|	|	|	5.89
31.417	0.00	2.04	3.681	O	|	|	|	|	6.99	36.583	0.00	1.82	2.856	O	|	|	|	|	5.87
31.500	0.00	2.03	3.667	O	|	|	|	|	6.97	36.667	0.00	1.82	2.844	O	|	|	|	|	5.85
31.583	0.00	2.03	3.653	O	|	|	|	|	6.95	36.750	0.00	1.82	2.831	O	|	|	|	|	5.83
31.667	0.00	2.03	3.639	O	|	|	|	|	6.93	36.833	0.00	1.81	2.819	O	|	|	|	|	5.82
31.750	0.00	2.02	3.625	O	|	|	|	|	6.92	36.917	0.00	1.81	2.806	O	|	|	|	|	5.80
31.833	0.00	2.02	3.611	O	|	|	|	|	6.90	37.000	0.00	1.81	2.794	O	|	|	|	|	5.78
31.917	0.00	2.02	3.597	O	|	|	|	|	6.88	37.083	0.00	1.80	2.781	O	|	|	|	|	5.76
32.000	0.00	2.01	3.583	O	|	|	|	|	6.86	37.167	0.00	1.80	2.769	O	|	|	|	|	5.74
32.083	0.00	2.01	3.569	O	|	|	|	|	6.84	37.250	0.00	1.79	2.757	O	|	|	|	|	5.72
32.167	0.00	2.01	3.555	O	|	|	|	|	6.82	37.333	0.00	1.79	2.744	O	|	|	|	|	5.70
32.250	0.00	2.00	3.542	O	|	|	|	|	6.80	37.417	0.00	1.79	2.732	O	|	|	|	|	5.69
32.333	0.00	2.00	3.528	O	|	|	|	|	6.79	37.500	0.00	1.78	2.720	O	|	|	|	|	5.67
32.417	0.00	2.00	3.514	O	|	|	|	|	6.77	37.583	0.00	1.78	2.707	O	|	|	|	|	5.65
32.500	0.00	1.99	3.500	O	|	|	|	|	6.75	37.667	0.00	1.78	2.695	O	|	|	|	|	5.63
32.583	0.00	1.99	3.487	O	|	|	|	|	6.73	37.750	0.00	1.77	2.683	O	|	|	|	|	5.61
32.667	0.00	1.99	3.473	O	|	|	|	|	6.71	37.833	0.00	1.77	2.671	O	|	|	|	|	5.59
32.750	0.00	1.98	3.459	O	|	|	|	|	6.69	37.917	0.00	1.77	2.658	O	|	|	|	|	5.58
32.833	0.00	1.98	3.446	O	|	|	|	|	6.68	38.000	0.00	1.76	2.646	O	|	|	|	|	5.56
32.917	0.00	1.97	3.432	O	|	|	|	|	6.66	38.083	0.00	1.76	2.634	O	|	|	|	|	5.54
33.000	0.00	1.97	3.418	O	|	|	|	|	6.64	38.167	0.00	1.75	2.622	O	|	|	|	|	5.52
33.083	0.00	1.97	3.405	O	|	|	|	|	6.62	38.250	0.00	1.75	2.610	O	|	|	|	|	5.50
33.167	0.00	1.96	3.391	O	|	|	|	|	6.60	38.333	0.00	1.75	2.598	O	|	|	|	|	5.49
33.250	0.00	1.96	3.378	O	|	|	|	|	6.58	38.417	0.00	1.74	2.586	O	|	|	|	|	5.47
33.333	0.00	1.96	3.364	O	|	|	|	|	6.57	38.500	0.00	1.74	2.574	O	|	|	|	|	5.45

38.583	0.00	1.74	2.562	O					5.43	43.750	0.00	1.49	1.871	O					4.33
38.667	0.00	1.73	2.550	O					5.41	43.833	0.00	1.48	1.861	O					4.31
38.750	0.00	1.73	2.538	O					5.40	43.917	0.00	1.48	1.851	O					4.29
38.833	0.00	1.73	2.526	O					5.38	44.000	0.00	1.48	1.840	O					4.27
38.917	0.00	1.72	2.514	O					5.36	44.083	0.00	1.47	1.830	O					4.26
39.000	0.00	1.72	2.502	O					5.34	44.167	0.00	1.47	1.820	O					4.24
39.083	0.00	1.72	2.491	O					5.33	44.250	0.00	1.46	1.810	O					4.22
39.167	0.00	1.71	2.479	O					5.31	44.333	0.00	1.46	1.800	O					4.21
39.250	0.00	1.71	2.467	O					5.29	44.417	0.00	1.46	1.790	O					4.19
39.333	0.00	1.70	2.455	O					5.27	44.500	0.00	1.45	1.780	O					4.17
39.417	0.00	1.70	2.444	O					5.26	44.583	0.00	1.45	1.770	O					4.16
39.500	0.00	1.70	2.432	O					5.24	44.667	0.00	1.44	1.760	O					4.14
39.583	0.00	1.69	2.420	O					5.22	44.750	0.00	1.44	1.750	O					4.12
39.667	0.00	1.69	2.409	O					5.20	44.833	0.00	1.44	1.740	O					4.11
39.750	0.00	1.69	2.397	O					5.19	44.917	0.00	1.43	1.730	O					4.09
39.833	0.00	1.68	2.385	O					5.17	45.000	0.00	1.43	1.721	O					4.07
39.917	0.00	1.68	2.374	O					5.15	45.083	0.00	1.42	1.711	O					4.06
40.000	0.00	1.68	2.362	O					5.13	45.167	0.00	1.42	1.701	O					4.04
40.083	0.00	1.67	2.351	O					5.12	45.250	0.00	1.42	1.691	O					4.02
40.167	0.00	1.67	2.339	O					5.10	45.333	0.00	1.41	1.681	O					4.01
40.250	0.00	1.67	2.328	O					5.08	45.417	0.00	1.41	1.672	O					3.99
40.333	0.00	1.66	2.316	O					5.07	45.500	0.00	1.40	1.662	O					3.97
40.417	0.00	1.66	2.305	O					5.05	45.583	0.00	1.40	1.652	O					3.95
40.500	0.00	1.66	2.293	O					5.03	45.667	0.00	1.39	1.643	O					3.93
40.583	0.00	1.65	2.282	O					5.01	45.750	0.00	1.39	1.633	O					3.92
40.667	0.00	1.65	2.271	O					5.00	45.833	0.00	1.38	1.624	O					3.90
40.750	0.00	1.64	2.259	O					4.98	45.917	0.00	1.38	1.614	O					3.88
40.833	0.00	1.64	2.248	O					4.96	46.000	0.00	1.37	1.605	O					3.86
40.917	0.00	1.64	2.237	O					4.94	46.083	0.00	1.36	1.595	O					3.84
41.000	0.00	1.63	2.225	O					4.92	46.167	0.00	1.36	1.586	O					3.83
41.083	0.00	1.63	2.214	O					4.90	46.250	0.00	1.35	1.577	O					3.81
41.167	0.00	1.62	2.203	O					4.88	46.333	0.00	1.35	1.567	O					3.79
41.250	0.00	1.62	2.192	O					4.87	46.417	0.00	1.34	1.558	O					3.77
41.333	0.00	1.61	2.181	O					4.85	46.500	0.00	1.34	1.549	O					3.75
41.417	0.00	1.61	2.170	O					4.83	46.583	0.00	1.33	1.540	O					3.74
41.500	0.00	1.60	2.159	O					4.81	46.667	0.00	1.33	1.530	O					3.72
41.583	0.00	1.60	2.147	O					4.79	46.750	0.00	1.32	1.521	O					3.70
41.667	0.00	1.60	2.136	O					4.77	46.833	0.00	1.32	1.512	O					3.68
41.750	0.00	1.59	2.125	O					4.75	46.917	0.00	1.31	1.503	O					3.67
41.833	0.00	1.59	2.115	O					4.74	47.000	0.00	1.31	1.494	O					3.65
41.917	0.00	1.58	2.104	O					4.72	47.083	0.00	1.30	1.485	O					3.63
42.000	0.00	1.58	2.093	O					4.70	47.167	0.00	1.30	1.476	O					3.62
42.083	0.00	1.57	2.082	O					4.68	47.250	0.00	1.29	1.467	O					3.60
42.167	0.00	1.57	2.071	O					4.66	47.333	0.00	1.29	1.458	O					3.58
42.250	0.00	1.56	2.060	O					4.64	47.417	0.00	1.28	1.449	O					3.56
42.333	0.00	1.56	2.050	O					4.63	47.500	0.00	1.28	1.441	O					3.55
42.417	0.00	1.56	2.039	O					4.61	47.583	0.00	1.27	1.432	O					3.53
42.500	0.00	1.55	2.028	O					4.59	47.667	0.00	1.27	1.423	O					3.51
42.583	0.00	1.55	2.017	O					4.57	47.750	0.00	1.26	1.414	O					3.50
42.667	0.00	1.54	2.007	O					4.55	47.833	0.00	1.26	1.406	O					3.48
42.750	0.00	1.54	1.996	O					4.54	47.917	0.00	1.25	1.397	O					3.46
42.833	0.00	1.53	1.986	O					4.52	48.000	0.00	1.25	1.388	O					3.45
42.917	0.00	1.53	1.975	O					4.50	48.083	0.00	1.24	1.380	O					3.43
43.000	0.00	1.53	1.965	O					4.48	48.167	0.00	1.24	1.371	O					3.41
43.083	0.00	1.52	1.954	O					4.47	48.250	0.00	1.24	1.363	O					3.40
43.167	0.00	1.52	1.944	O					4.45	48.333	0.00	1.23	1.354	O					3.38
43.250	0.00	1.51	1.933	O					4.43	48.417	0.00	1.23	1.346	O					3.37
43.333	0.00	1.51	1.923	O					4.41	48.500	0.00	1.22	1.337	O					3.35
43.417	0.00	1.50	1.912	O					4.40	48.583	0.00	1.22	1.329	O					3.33
43.500	0.00	1.50	1.902	O					4.38	48.667	0.00	1.21	1.321	O					3.32
43.583	0.00	1.50	1.892	O					4.36	48.750	0.00	1.21	1.312	O					3.30
43.667	0.00	1.49	1.881	O					4.34	48.833	0.00	1.20	1.304	O					3.29

48.917	0.00	1.20	1.296	O					3.27	54.083	0.00	0.78	0.868	O					2.37
49.000	0.00	1.19	1.287	O					3.25	54.167	0.00	0.77	0.863	O					2.35
49.083	0.00	1.19	1.279	O					3.24	54.250	0.00	0.76	0.858	O					2.34
49.167	0.00	1.18	1.271	O					3.22	54.333	0.00	0.76	0.852	O					2.33
49.250	0.00	1.18	1.263	O					3.21	54.417	0.00	0.75	0.847	O					2.32
49.333	0.00	1.18	1.255	O					3.19	54.500	0.00	0.75	0.842	O					2.31
49.417	0.00	1.17	1.247	O					3.18	54.583	0.00	0.74	0.837	O					2.30
49.500	0.00	1.17	1.239	O					3.16	54.667	0.00	0.73	0.832	O					2.29
49.583	0.00	1.16	1.231	O					3.15	54.750	0.00	0.73	0.827	O					2.27
49.667	0.00	1.16	1.223	O					3.13	54.833	0.00	0.72	0.822	O					2.26
49.750	0.00	1.15	1.215	O					3.11	54.917	0.00	0.72	0.817	O					2.25
49.833	0.00	1.15	1.207	O					3.10	55.000	0.00	0.71	0.812	O					2.24
49.917	0.00	1.14	1.199	O					3.08	55.083	0.00	0.70	0.807	O					2.23
50.000	0.00	1.14	1.191	O					3.07	55.167	0.00	0.70	0.802	O					2.22
50.083	0.00	1.14	1.183	O					3.05	55.250	0.00	0.69	0.797	O					2.21
50.167	0.00	1.13	1.175	O					3.04	55.333	0.00	0.69	0.793	O					2.20
50.250	0.00	1.13	1.168	O					3.02	55.417	0.00	0.68	0.788	O					2.19
50.333	0.00	1.12	1.160	O					3.01	55.500	0.00	0.68	0.783	O					2.18
50.417	0.00	1.12	1.152	O					2.99	55.583	0.00	0.67	0.779	O					2.17
50.500	0.00	1.11	1.145	O					2.98	55.667	0.00	0.66	0.774	O					2.16
50.583	0.00	1.10	1.137	O					2.96	55.750	0.00	0.66	0.770	O					2.15
50.667	0.00	1.09	1.129	O					2.94	55.833	0.00	0.65	0.765	O					2.14
50.750	0.00	1.08	1.122	O					2.93	55.917	0.00	0.65	0.761	O					2.13
50.833	0.00	1.07	1.115	O					2.91	56.000	0.00	0.64	0.756	O					2.12
50.917	0.00	1.06	1.107	O					2.89	56.083	0.00	0.64	0.752	O					2.11
51.000	0.00	1.05	1.100	O					2.88	56.167	0.00	0.63	0.747	O					2.10
51.083	0.00	1.05	1.093	O					2.86	56.250	0.00	0.63	0.743	O					2.09
51.167	0.00	1.04	1.085	O					2.85	56.333	0.00	0.62	0.739	O					2.08
51.250	0.00	1.03	1.078	O					2.83	56.417	0.00	0.62	0.734	O					2.07
51.333	0.00	1.02	1.071	O					2.81	56.500	0.00	0.61	0.730	O					2.06
51.417	0.00	1.01	1.064	O					2.80	56.583	0.00	0.61	0.726	O					2.05
51.500	0.00	1.00	1.057	O					2.78	56.667	0.00	0.60	0.722	O					2.04
51.583	0.00	1.00	1.050	O					2.77	56.750	0.00	0.60	0.718	O					2.03
51.667	0.00	0.99	1.044	O					2.75	56.833	0.00	0.59	0.714	O					2.02
51.750	0.00	0.98	1.037	O					2.74	56.917	0.00	0.59	0.709	O					2.01
51.833	0.00	0.97	1.030	O					2.72	57.000	0.00	0.58	0.705	O					2.01
51.917	0.00	0.96	1.024	O					2.71	57.083	0.00	0.58	0.701	O					2.00
52.000	0.00	0.96	1.017	O					2.69	57.167	0.00	0.58	0.697	O					1.99
52.083	0.00	0.95	1.010	O					2.68	57.250	0.00	0.58	0.694	O					1.98
52.167	0.00	0.94	1.004	O					2.67	57.333	0.00	0.57	0.690	O					1.96
52.250	0.00	0.93	0.997	O					2.65	57.417	0.00	0.57	0.686	O					1.95
52.333	0.00	0.92	0.991	O					2.64	57.500	0.00	0.57	0.682	O					1.94
52.417	0.00	0.92	0.985	O					2.62	57.583	0.00	0.57	0.678	O					1.93
52.500	0.00	0.91	0.978	O					2.61	57.667	0.00	0.57	0.674	O					1.92
52.583	0.00	0.90	0.972	O					2.60	57.750	0.00	0.56	0.670	O					1.91
52.667	0.00	0.89	0.966	O					2.58	57.833	0.00	0.56	0.666	O					1.90
52.750	0.00	0.89	0.960	O					2.57	57.917	0.00	0.56	0.662	O					1.89
52.833	0.00	0.88	0.954	O					2.55	58.000	0.00	0.56	0.658	O					1.88
52.917	0.00	0.87	0.948	O					2.54	58.083	0.00	0.56	0.654	O					1.87
53.000	0.00	0.87	0.942	O					2.53	58.167	0.00	0.56	0.651	O					1.86
53.083	0.00	0.86	0.936	O					2.52	58.250	0.00	0.55	0.647	O					1.85
53.167	0.00	0.85	0.930	O					2.50	58.333	0.00	0.55	0.643	O					1.84
53.250	0.00	0.84	0.924	O					2.49	58.417	0.00	0.55	0.639	O					1.83
53.333	0.00	0.84	0.918	O					2.48	58.500	0.00	0.55	0.635	O					1.82
53.417	0.00	0.83	0.913	O					2.46	58.583	0.00	0.55	0.632	O					1.81
53.500	0.00	0.82	0.907	O					2.45	58.667	0.00	0.54	0.628	O					1.80
53.583	0.00	0.82	0.901	O					2.44	58.750	0.00	0.54	0.624	O					1.79
53.667	0.00	0.81	0.896	O					2.43	58.833	0.00	0.54	0.620	O					1.79
53.750	0.00	0.80	0.890	O					2.41	58.917	0.00	0.54	0.617	O					1.78
53.833	0.00	0.80	0.885	O					2.40	59.000	0.00	0.54	0.613	O					1.77
53.917	0.00	0.79	0.879	O					2.39	59.083	0.00	0.54	0.609	O					1.76
54.000	0.00	0.78	0.874	O					2.38	59.167	0.00	0.53	0.606	O					1.75

59.250	0.00	0.53	0.602	O	|	|	|	|	1.74	64.417	0.00	0.44	0.396	O	|	|	|	|	1.20
59.333	0.00	0.53	0.598	O	|	|	|	|	1.73	64.500	0.00	0.43	0.393	O	|	|	|	|	1.19
59.417	0.00	0.53	0.595	O	|	|	|	|	1.72	64.583	0.00	0.43	0.390	O	|	|	|	|	1.18
59.500	0.00	0.53	0.591	O	|	|	|	|	1.71	64.667	0.00	0.43	0.387	O	|	|	|	|	1.18
59.583	0.00	0.53	0.587	O	|	|	|	|	1.70	64.750	0.00	0.43	0.384	O	|	|	|	|	1.17
59.667	0.00	0.52	0.584	O	|	|	|	|	1.69	64.833	0.00	0.43	0.381	O	|	|	|	|	1.16
59.750	0.00	0.52	0.580	O	|	|	|	|	1.68	64.917	0.00	0.43	0.378	O	|	|	|	|	1.15
59.833	0.00	0.52	0.577	O	|	|	|	|	1.67	65.000	0.00	0.43	0.375	O	|	|	|	|	1.15
59.917	0.00	0.52	0.573	O	|	|	|	|	1.66	65.083	0.00	0.42	0.372	O	|	|	|	|	1.14
60.000	0.00	0.52	0.569	O	|	|	|	|	1.65	65.167	0.00	0.42	0.369	O	|	|	|	|	1.13
60.083	0.00	0.52	0.566	O	|	|	|	|	1.64	65.250	0.00	0.42	0.366	O	|	|	|	|	1.12
60.167	0.00	0.51	0.562	O	|	|	|	|	1.63	65.333	0.00	0.42	0.363	O	|	|	|	|	1.12
60.250	0.00	0.51	0.559	O	|	|	|	|	1.62	65.417	0.00	0.42	0.360	O	|	|	|	|	1.11
60.333	0.00	0.51	0.555	O	|	|	|	|	1.62	65.500	0.00	0.42	0.358	O	|	|	|	|	1.10
60.417	0.00	0.51	0.552	O	|	|	|	|	1.61	65.583	0.00	0.42	0.355	O	|	|	|	|	1.09
60.500	0.00	0.51	0.548	O	|	|	|	|	1.60	65.667	0.00	0.42	0.352	O	|	|	|	|	1.09
60.583	0.00	0.51	0.545	O	|	|	|	|	1.59	65.750	0.00	0.41	0.349	O	|	|	|	|	1.08
60.667	0.00	0.50	0.541	O	|	|	|	|	1.58	65.833	0.00	0.41	0.346	O	|	|	|	|	1.07
60.750	0.00	0.50	0.538	O	|	|	|	|	1.57	65.917	0.00	0.41	0.343	O	|	|	|	|	1.06
60.833	0.00	0.50	0.534	O	|	|	|	|	1.56	66.000	0.00	0.41	0.341	O	|	|	|	|	1.06
60.917	0.00	0.50	0.531	O	|	|	|	|	1.55	66.083	0.00	0.41	0.338	O	|	|	|	|	1.05
61.000	0.00	0.50	0.527	O	|	|	|	|	1.54	66.167	0.00	0.41	0.335	O	|	|	|	|	1.04
61.083	0.00	0.50	0.524	O	|	|	|	|	1.53	66.250	0.00	0.41	0.332	O	|	|	|	|	1.03
61.167	0.00	0.49	0.521	O	|	|	|	|	1.53	66.333	0.00	0.40	0.329	O	|	|	|	|	1.03
61.250	0.00	0.49	0.517	O	|	|	|	|	1.52	66.417	0.00	0.40	0.326	O	|	|	|	|	1.02
61.333	0.00	0.49	0.514	O	|	|	|	|	1.51	66.500	0.00	0.40	0.324	O	|	|	|	|	1.01
61.417	0.00	0.49	0.510	O	|	|	|	|	1.50	66.583	0.00	0.40	0.321	O	|	|	|	|	1.01
61.500	0.00	0.49	0.507	O	|	|	|	|	1.49	66.667	0.00	0.40	0.318	O	|	|	|	|	1.00
61.583	0.00	0.49	0.504	O	|	|	|	|	1.48	66.750	0.00	0.40	0.315	O	|	|	|	|	0.99
61.667	0.00	0.49	0.500	O	|	|	|	|	1.47	66.833	0.00	0.39	0.313	O	|	|	|	|	0.98
61.750	0.00	0.48	0.497	O	|	|	|	|	1.46	66.917	0.00	0.39	0.310	O	|	|	|	|	0.97
61.833	0.00	0.48	0.494	O	|	|	|	|	1.46	67.000	0.00	0.39	0.307	O	|	|	|	|	0.96
61.917	0.00	0.48	0.490	O	|	|	|	|	1.45	67.083	0.00	0.38	0.305	O	|	|	|	|	0.96
62.000	0.00	0.48	0.487	O	|	|	|	|	1.44	67.167	0.00	0.38	0.302	O	|	|	|	|	0.95
62.083	0.00	0.48	0.484	O	|	|	|	|	1.43	67.250	0.00	0.38	0.300	O	|	|	|	|	0.94
62.167	0.00	0.48	0.481	O	|	|	|	|	1.42	67.333	0.00	0.37	0.297	O	|	|	|	|	0.93
62.250	0.00	0.47	0.477	O	|	|	|	|	1.41	67.417	0.00	0.37	0.294	O	|	|	|	|	0.92
62.333	0.00	0.47	0.474	O	|	|	|	|	1.40	67.500	0.00	0.37	0.292	O	|	|	|	|	0.91
62.417	0.00	0.47	0.471	O	|	|	|	|	1.40	67.583	0.00	0.36	0.289	O	|	|	|	|	0.91
62.500	0.00	0.47	0.468	O	|	|	|	|	1.39	67.667	0.00	0.36	0.287	O	|	|	|	|	0.90
62.583	0.00	0.47	0.464	O	|	|	|	|	1.38	67.750	0.00	0.36	0.284	O	|	|	|	|	0.89
62.667	0.00	0.47	0.461	O	|	|	|	|	1.37	67.833	0.00	0.35	0.282	O	|	|	|	|	0.88
62.750	0.00	0.47	0.458	O	|	|	|	|	1.36	67.917	0.00	0.35	0.280	O	|	|	|	|	0.88
62.833	0.00	0.46	0.455	O	|	|	|	|	1.35	68.000	0.00	0.35	0.277	O	|	|	|	|	0.87
62.917	0.00	0.46	0.451	O	|	|	|	|	1.35	68.083	0.00	0.34	0.275	O	|	|	|	|	0.86
63.000	0.00	0.46	0.448	O	|	|	|	|	1.34	68.167	0.00	0.34	0.272	O	|	|	|	|	0.85
63.083	0.00	0.46	0.445	O	|	|	|	|	1.33	68.250	0.00	0.34	0.270	O	|	|	|	|	0.85
63.167	0.00	0.46	0.442	O	|	|	|	|	1.32	68.333	0.00	0.34	0.268	O	|	|	|	|	0.84
63.250	0.00	0.46	0.439	O	|	|	|	|	1.31	68.417	0.00	0.33	0.265	O	|	|	|	|	0.83
63.333	0.00	0.45	0.436	O	|	|	|	|	1.30	68.500	0.00	0.33	0.263	O	|	|	|	|	0.82
63.417	0.00	0.45	0.433	O	|	|	|	|	1.30	68.583	0.00	0.33	0.261	O	|	|	|	|	0.82
63.500	0.00	0.45	0.429	O	|	|	|	|	1.29	68.667	0.00	0.32	0.259	O	|	|	|	|	0.81
63.583	0.00	0.45	0.426	O	|	|	|	|	1.28	68.750	0.00	0.32	0.256	O	|	|	|	|	0.80
63.667	0.00	0.45	0.423	O	|	|	|	|	1.27	68.833	0.00	0.32	0.254	O	|	|	|	|	0.80
63.750	0.00	0.45	0.420	O	|	|	|	|	1.26	68.917	0.00	0.32	0.252	O	|	|	|	|	0.79
63.833	0.00	0.45	0.417	O	|	|	|	|	1.26	69.000	0.00	0.31	0.250	O	|	|	|	|	0.78
63.917	0.00	0.44	0.414	O	|	|	|	|	1.25	69.083	0.00	0.31	0.248	O	|	|	|	|	0.78
64.000	0.00	0.44	0.411	O	|	|	|	|	1.24	69.167	0.00	0.31	0.246	O	|	|	|	|	0.77
64.083	0.00	0.44	0.408	O	|	|	|	|	1.23	69.250	0.00	0.31	0.243	O	|	|	|	|	0.76
64.167	0.00	0.44	0.405	O	|	|	|	|	1.22	69.333	0.00	0.30	0.241	O	|	|	|	|	0.76
64.250	0.00	0.44	0.402	O	|	|	|	|	1.22	69.417	0.00	0.30	0.239	O	|	|	|	|	0.75
64.333	0.00	0.44	0.399	O	|	|	|	|	1.21	69.500	0.00	0.30	0.237	O	|	|	|	|	0.74

69.583	0.00	0.29	0.235	O	|	|	|	|	0.74	74.750	0.00	0.17	0.138	O	|	|	|	|	0.43
69.667	0.00	0.29	0.233	O	|	|	|	|	0.73	74.833	0.00	0.17	0.137	O	|	|	|	|	0.43
69.750	0.00	0.29	0.231	O	|	|	|	|	0.72	74.917	0.00	0.17	0.135	O	|	|	|	|	0.42
69.833	0.00	0.29	0.229	O	|	|	|	|	0.72	75.000	0.00	0.17	0.134	O	|	|	|	|	0.42
69.917	0.00	0.28	0.227	O	|	|	|	|	0.71	75.083	0.00	0.17	0.133	O	|	|	|	|	0.42
70.000	0.00	0.28	0.225	O	|	|	|	|	0.71	75.167	0.00	0.17	0.132	O	|	|	|	|	0.41
70.083	0.00	0.28	0.223	O	|	|	|	|	0.70	75.250	0.00	0.16	0.131	O	|	|	|	|	0.41
70.167	0.00	0.28	0.221	O	|	|	|	|	0.69	75.333	0.00	0.16	0.130	O	|	|	|	|	0.41
70.250	0.00	0.28	0.219	O	|	|	|	|	0.69	75.417	0.00	0.16	0.128	O	|	|	|	|	0.40
70.333	0.00	0.27	0.218	O	|	|	|	|	0.68	75.500	0.00	0.16	0.127	O	|	|	|	|	0.40
70.417	0.00	0.27	0.216	O	|	|	|	|	0.68	75.583	0.00	0.16	0.126	O	|	|	|	|	0.40
70.500	0.00	0.27	0.214	O	|	|	|	|	0.67	75.667	0.00	0.16	0.125	O	|	|	|	|	0.39
70.583	0.00	0.27	0.212	O	|	|	|	|	0.66	75.750	0.00	0.16	0.124	O	|	|	|	|	0.39
70.667	0.00	0.26	0.210	O	|	|	|	|	0.66	75.833	0.00	0.15	0.123	O	|	|	|	|	0.39
70.750	0.00	0.26	0.208	O	|	|	|	|	0.65	75.917	0.00	0.15	0.122	O	|	|	|	|	0.38
70.833	0.00	0.26	0.207	O	|	|	|	|	0.65	76.000	0.00	0.15	0.121	O	|	|	|	|	0.38
70.917	0.00	0.26	0.205	O	|	|	|	|	0.64	76.083	0.00	0.15	0.120	O	|	|	|	|	0.38
71.000	0.00	0.25	0.203	O	|	|	|	|	0.64	76.167	0.00	0.15	0.119	O	|	|	|	|	0.37
71.083	0.00	0.25	0.201	O	|	|	|	|	0.63	76.250	0.00	0.15	0.118	O	|	|	|	|	0.37
71.167	0.00	0.25	0.200	O	|	|	|	|	0.63	76.333	0.00	0.15	0.117	O	|	|	|	|	0.37
71.250	0.00	0.25	0.198	O	|	|	|	|	0.62	76.417	0.00	0.15	0.116	O	|	|	|	|	0.36
71.333	0.00	0.25	0.196	O	|	|	|	|	0.62	76.500	0.00	0.14	0.115	O	|	|	|	|	0.36
71.417	0.00	0.24	0.195	O	|	|	|	|	0.61	76.583	0.00	0.14	0.114	O	|	|	|	|	0.36
71.500	0.00	0.24	0.193	O	|	|	|	|	0.60	76.667	0.00	0.14	0.113	O	|	|	|	|	0.35
71.583	0.00	0.24	0.191	O	|	|	|	|	0.60	76.750	0.00	0.14	0.112	O	|	|	|	|	0.35
71.667	0.00	0.24	0.190	O	|	|	|	|	0.59	76.833	0.00	0.14	0.111	O	|	|	|	|	0.35
71.750	0.00	0.24	0.188	O	|	|	|	|	0.59	76.917	0.00	0.14	0.110	O	|	|	|	|	0.34
71.833	0.00	0.23	0.186	O	|	|	|	|	0.58	77.000	0.00	0.14	0.109	O	|	|	|	|	0.34
71.917	0.00	0.23	0.185	O	|	|	|	|	0.58	77.083	0.00	0.14	0.108	O	|	|	|	|	0.34
72.000	0.00	0.23	0.183	O	|	|	|	|	0.57	77.167	0.00	0.13	0.107	O	|	|	|	|	0.34
72.083	0.00	0.23	0.182	O	|	|	|	|	0.57	77.250	0.00	0.13	0.106	O	|	|	|	|	0.33
72.167	0.00	0.23	0.180	O	|	|	|	|	0.56	77.333	0.00	0.13	0.105	O	|	|	|	|	0.33
72.250	0.00	0.22	0.178	O	|	|	|	|	0.56	77.417	0.00	0.13	0.104	O	|	|	|	|	0.33
72.333	0.00	0.22	0.177	O	|	|	|	|	0.55	77.500	0.00	0.13	0.104	O	|	|	|	|	0.32
72.417	0.00	0.22	0.175	O	|	|	|	|	0.55	77.583	0.00	0.13	0.103	O	|	|	|	|	0.32
72.500	0.00	0.22	0.174	O	|	|	|	|	0.54	77.667	0.00	0.13	0.102	O	|	|	|	|	0.32
72.583	0.00	0.22	0.172	O	|	|	|	|	0.54	77.750	0.00	0.13	0.101	O	|	|	|	|	0.32
72.667	0.00	0.21	0.171	O	|	|	|	|	0.54	77.833	0.00	0.13	0.100	O	|	|	|	|	0.31
72.750	0.00	0.21	0.169	O	|	|	|	|	0.53	77.917	0.00	0.12	0.099	O	|	|	|	|	0.31
72.833	0.00	0.21	0.168	O	|	|	|	|	0.53	78.000	0.00	0.12	0.098	O	|	|	|	|	0.31
72.917	0.00	0.21	0.166	O	|	|	|	|	0.52	78.083	0.00	0.12	0.097	O	|	|	|	|	0.31
73.000	0.00	0.21	0.165	O	|	|	|	|	0.52	78.167	0.00	0.12	0.097	O	|	|	|	|	0.30
73.083	0.00	0.21	0.164	O	|	|	|	|	0.51	78.250	0.00	0.12	0.096	O	|	|	|	|	0.30
73.167	0.00	0.20	0.162	O	|	|	|	|	0.51	78.333	0.00	0.12	0.095	O	|	|	|	|	0.30
73.250	0.00	0.20	0.161	O	|	|	|	|	0.50	78.417	0.00	0.12	0.094	O	|	|	|	|	0.30
73.333	0.00	0.20	0.159	O	|	|	|	|	0.50	78.500	0.00	0.12	0.093	O	|	|	|	|	0.29
73.417	0.00	0.20	0.158	O	|	|	|	|	0.50	78.583	0.00	0.12	0.093	O	|	|	|	|	0.29
73.500	0.00	0.20	0.157	O	|	|	|	|	0.49	78.667	0.00	0.12	0.092	O	|	|	|	|	0.29
73.583	0.00	0.19	0.155	O	|	|	|	|	0.49	78.750	0.00	0.11	0.091	O	|	|	|	|	0.29
73.667	0.00	0.19	0.154	O	|	|	|	|	0.48	78.833	0.00	0.11	0.090	O	|	|	|	|	0.28
73.750	0.00	0.19	0.153	O	|	|	|	|	0.48	78.917	0.00	0.11	0.089	O	|	|	|	|	0.28
73.833	0.00	0.19	0.151	O	|	|	|	|	0.47	79.000	0.00	0.11	0.089	O	|	|	|	|	0.28
73.917	0.00	0.19	0.150	O	|	|	|	|	0.47	79.083	0.00	0.11	0.088	O	|	|	|	|	0.28
74.000	0.00	0.19	0.149	O	|	|	|	|	0.47	79.167	0.00	0.11	0.087	O	|	|	|	|	0.27
74.083	0.00	0.19	0.148	O	|	|	|	|	0.46	79.250	0.00	0.11	0.086	O	|	|	|	|	0.27
74.167	0.00	0.18	0.146	O	|	|	|	|	0.46	79.333	0.00	0.11	0.086	O	|	|	|	|	0.27
74.250	0.00	0.18	0.145	O	|	|	|	|	0.45	79.417	0.00	0.11	0.085	O	|	|	|	|	0.27
74.333	0.00	0.18	0.144	O	|	|	|	|	0.45	79.500	0.00	0.11	0.084	O	|	|	|	|	0.26
74.417	0.00	0.18	0.143	O	|	|	|	|	0.45	79.583	0.00	0.10	0.083	O	|	|	|	|	0.26
74.500	0.00	0.18	0.141	O	|	|	|	|	0.44	79.667	0.00	0.10	0.083	O	|	|	|	|	0.26
74.583	0.00	0.18	0.140	O	|	|	|	|	0.44	79.750	0.00	0.10	0.082	O	|	|	|	|	0.26
74.667	0.00	0.17	0.139	O	|	|	|	|	0.44	79.833	0.00	0.10	0.081	O	|	|	|	|	0.25

79.917	0.00	0.10	0.081	O					0.25	85.083	0.00	0.06	0.047	O					0.15
80.000	0.00	0.10	0.080	O					0.25	85.167	0.00	0.06	0.047	O					0.15
80.083	0.00	0.10	0.079	O					0.25	85.250	0.00	0.06	0.046	O					0.15
80.167	0.00	0.10	0.079	O					0.25	85.333	0.00	0.06	0.046	O					0.14
80.250	0.00	0.10	0.078	O					0.24	85.417	0.00	0.06	0.046	O					0.14
80.333	0.00	0.10	0.077	O					0.24	85.500	0.00	0.06	0.045	O					0.14
80.417	0.00	0.10	0.077	O					0.24	85.583	0.00	0.06	0.045	O					0.14
80.500	0.00	0.10	0.076	O					0.24	85.667	0.00	0.06	0.044	O					0.14
80.583	0.00	0.09	0.075	O					0.24	85.750	0.00	0.06	0.044	O					0.14
80.667	0.00	0.09	0.075	O					0.23	85.833	0.00	0.05	0.044	O					0.14
80.750	0.00	0.09	0.074	O					0.23	85.917	0.00	0.05	0.043	O					0.14
80.833	0.00	0.09	0.073	O					0.23	86.000	0.00	0.05	0.043	O					0.13
80.917	0.00	0.09	0.073	O					0.23	86.083	0.00	0.05	0.043	O					0.13
81.000	0.00	0.09	0.072	O					0.23	86.167	0.00	0.05	0.042	O					0.13
81.083	0.00	0.09	0.071	O					0.22	86.250	0.00	0.05	0.042	O					0.13
81.167	0.00	0.09	0.071	O					0.22	86.333	0.00	0.05	0.041	O					0.13
81.250	0.00	0.09	0.070	O					0.22	86.417	0.00	0.05	0.041	O					0.13
81.333	0.00	0.09	0.070	O					0.22	86.500	0.00	0.05	0.041	O					0.13
81.417	0.00	0.09	0.069	O					0.22	86.583	0.00	0.05	0.040	O					0.13
81.500	0.00	0.09	0.068	O					0.21	86.667	0.00	0.05	0.040	O					0.13
81.583	0.00	0.09	0.068	O					0.21	86.750	0.00	0.05	0.040	O					0.12
81.667	0.00	0.08	0.067	O					0.21	86.833	0.00	0.05	0.039	O					0.12
81.750	0.00	0.08	0.067	O					0.21	86.917	0.00	0.05	0.039	O					0.12
81.833	0.00	0.08	0.066	O					0.21	87.000	0.00	0.05	0.039	O					0.12
81.917	0.00	0.08	0.066	O					0.21	87.083	0.00	0.05	0.038	O					0.12
82.000	0.00	0.08	0.065	O					0.20	87.167	0.00	0.05	0.038	O					0.12
82.083	0.00	0.08	0.064	O					0.20	87.250	0.00	0.05	0.038	O					0.12
82.167	0.00	0.08	0.064	O					0.20	87.333	0.00	0.05	0.037	O					0.12
82.250	0.00	0.08	0.063	O					0.20	87.417	0.00	0.05	0.037	O					0.12
82.333	0.00	0.08	0.063	O					0.20	87.500	0.00	0.05	0.037	O					0.12
82.417	0.00	0.08	0.062	O					0.20	87.583	0.00	0.05	0.036	O					0.11
82.500	0.00	0.08	0.062	O					0.19	87.667	0.00	0.05	0.036	O					0.11
82.583	0.00	0.08	0.061	O					0.19	87.750	0.00	0.04	0.036	O					0.11
82.667	0.00	0.08	0.061	O					0.19	87.833	0.00	0.04	0.035	O					0.11
82.750	0.00	0.08	0.060	O					0.19	87.917	0.00	0.04	0.035	O					0.11
82.833	0.00	0.07	0.060	O					0.19	88.000	0.00	0.04	0.035	O					0.11
82.917	0.00	0.07	0.059	O					0.19	88.083	0.00	0.04	0.035	O					0.11
83.000	0.00	0.07	0.059	O					0.18	88.167	0.00	0.04	0.034	O					0.11
83.083	0.00	0.07	0.058	O					0.18	88.250	0.00	0.04	0.034	O					0.11
83.167	0.00	0.07	0.058	O					0.18	88.333	0.00	0.04	0.034	O					0.11
83.250	0.00	0.07	0.057	O					0.18	88.417	0.00	0.04	0.033	O					0.10
83.333	0.00	0.07	0.057	O					0.18	88.500	0.00	0.04	0.033	O					0.10
83.417	0.00	0.07	0.056	O					0.18	88.583	0.00	0.04	0.033	O					0.10
83.500	0.00	0.07	0.056	O					0.17	88.667	0.00	0.04	0.033	O					0.10
83.583	0.00	0.07	0.055	O					0.17	88.750	0.00	0.04	0.032	O					0.10
83.667	0.00	0.07	0.055	O					0.17	88.833	0.00	0.04	0.032	O					0.10
83.750	0.00	0.07	0.054	O					0.17	88.917	0.00	0.04	0.032	O					0.10
83.833	0.00	0.07	0.054	O					0.17	89.000	0.00	0.04	0.031	O					0.10
83.917	0.00	0.07	0.053	O					0.17	89.083	0.00	0.04	0.031	O					0.10
84.000	0.00	0.07	0.053	O					0.17	89.167	0.00	0.04	0.031	O					0.10
84.083	0.00	0.07	0.052	O					0.16	89.250	0.00	0.04	0.031	O					0.10
84.167	0.00	0.07	0.052	O					0.16	89.333	0.00	0.04	0.030	O					0.10
84.250	0.00	0.06	0.051	O					0.16	89.417	0.00	0.04	0.030	O					0.09
84.333	0.00	0.06	0.051	O					0.16	89.500	0.00	0.04	0.030	O					0.09
84.417	0.00	0.06	0.051	O					0.16	89.583	0.00	0.04	0.030	O					0.09
84.500	0.00	0.06	0.050	O					0.16	89.667	0.00	0.04	0.029	O					0.09
84.583	0.00	0.06	0.050	O					0.16	89.750	0.00	0.04	0.029	O					0.09
84.667	0.00	0.06	0.049	O					0.15	89.833	0.00	0.04	0.029	O					0.09
84.750	0.00	0.06	0.049	O					0.15	89.917	0.00	0.04	0.029	O					0.09
84.833	0.00	0.06	0.048	O					0.15	90.000	0.00	0.04	0.028	O					0.09
84.917	0.00	0.06	0.048	O					0.15	90.083	0.00	0.04	0.028	O					0.09
85.000	0.00	0.06	0.048	O					0.15	90.167	0.00	0.03	0.028	O					0.09

90.250	0.00	0.03	0.028	O					0.09	95.417	0.00	0.02	0.016	O					0.05
90.333	0.00	0.03	0.027	O					0.09	95.500	0.00	0.02	0.016	O					0.05
90.417	0.00	0.03	0.027	O					0.09	95.583	0.00	0.02	0.016	O					0.05
90.500	0.00	0.03	0.027	O					0.08	95.667	0.00	0.02	0.016	O					0.05
90.583	0.00	0.03	0.027	O					0.08	95.750	0.00	0.02	0.016	O					0.05
90.667	0.00	0.03	0.026	O					0.08	95.833	0.00	0.02	0.015	O					0.05
90.750	0.00	0.03	0.026	O					0.08	95.917	0.00	0.02	0.015	O					0.05
90.833	0.00	0.03	0.026	O					0.08	96.000	0.00	0.02	0.015	O					0.05
90.917	0.00	0.03	0.026	O					0.08	96.083	0.00	0.02	0.015	O					0.05
91.000	0.00	0.03	0.026	O					0.08	96.167	0.00	0.02	0.015	O					0.05
91.083	0.00	0.03	0.025	O					0.08	96.250	0.00	0.02	0.015	O					0.05
91.167	0.00	0.03	0.025	O					0.08	96.333	0.00	0.02	0.015	O					0.05
91.250	0.00	0.03	0.025	O					0.08	96.417	0.00	0.02	0.015	O					0.05
91.333	0.00	0.03	0.025	O					0.08	96.500	0.00	0.02	0.014	O					0.05
91.417	0.00	0.03	0.024	O					0.08	96.583	0.00	0.02	0.014	O					0.04
91.500	0.00	0.03	0.024	O					0.08	96.667	0.00	0.02	0.014	O					0.04
91.583	0.00	0.03	0.024	O					0.08	96.750	0.00	0.02	0.014	O					0.04
91.667	0.00	0.03	0.024	O					0.07	96.833	0.00	0.02	0.014	O					0.04
91.750	0.00	0.03	0.024	O					0.07	96.917	0.00	0.02	0.014	O					0.04
91.833	0.00	0.03	0.023	O					0.07	97.000	0.00	0.02	0.014	O					0.04
91.917	0.00	0.03	0.023	O					0.07	97.083	0.00	0.02	0.014	O					0.04
92.000	0.00	0.03	0.023	O					0.07	97.167	0.00	0.02	0.013	O					0.04
92.083	0.00	0.03	0.023	O					0.07	97.250	0.00	0.02	0.013	O					0.04
92.167	0.00	0.03	0.023	O					0.07	97.333	0.00	0.02	0.013	O					0.04
92.250	0.00	0.03	0.022	O					0.07	97.417	0.00	0.02	0.013	O					0.04
92.333	0.00	0.03	0.022	O					0.07	97.500	0.00	0.02	0.013	O					0.04
92.417	0.00	0.03	0.022	O					0.07	97.583	0.00	0.02	0.013	O					0.04
92.500	0.00	0.03	0.022	O					0.07	97.667	0.00	0.02	0.013	O					0.04
92.583	0.00	0.03	0.022	O					0.07	97.750	0.00	0.02	0.013	O					0.04
92.667	0.00	0.03	0.022	O					0.07	97.833	0.00	0.02	0.013	O					0.04
92.750	0.00	0.03	0.021	O					0.07	97.917	0.00	0.02	0.012	O					0.04
92.833	0.00	0.03	0.021	O					0.07	98.000	0.00	0.02	0.012	O					0.04
92.917	0.00	0.03	0.021	O					0.07	98.083	0.00	0.02	0.012	O					0.04
93.000	0.00	0.03	0.021	O					0.07	98.167	0.00	0.02	0.012	O					0.04
93.083	0.00	0.03	0.021	O					0.06	98.250	0.00	0.02	0.012	O					0.04
93.167	0.00	0.03	0.020	O					0.06	98.333	0.00	0.01	0.012	O					0.04
93.250	0.00	0.03	0.020	O					0.06	98.417	0.00	0.01	0.012	O					0.04
93.333	0.00	0.03	0.020	O					0.06	98.500	0.00	0.01	0.012	O					0.04
93.417	0.00	0.02	0.020	O					0.06	98.583	0.00	0.01	0.012	O					0.04
93.500	0.00	0.02	0.020	O					0.06	98.667	0.00	0.01	0.012	O					0.04
93.583	0.00	0.02	0.020	O					0.06	98.750	0.00	0.01	0.011	O					0.04
93.667	0.00	0.02	0.019	O					0.06	98.833	0.00	0.01	0.011	O					0.04
93.750	0.00	0.02	0.019	O					0.06	98.917	0.00	0.01	0.011	O					0.04
93.833	0.00	0.02	0.019	O					0.06	99.000	0.00	0.01	0.011	O					0.03
93.917	0.00	0.02	0.019	O					0.06	99.083	0.00	0.01	0.011	O					0.03
94.000	0.00	0.02	0.019	O					0.06	99.167	0.00	0.01	0.011	O					0.03
94.083	0.00	0.02	0.019	O					0.06	99.250	0.00	0.01	0.011	O					0.03
94.167	0.00	0.02	0.018	O					0.06	99.333	0.00	0.01	0.011	O					0.03
94.250	0.00	0.02	0.018	O					0.06	99.417	0.00	0.01	0.011	O					0.03
94.333	0.00	0.02	0.018	O					0.06	99.500	0.00	0.01	0.011	O					0.03
94.417	0.00	0.02	0.018	O					0.06	99.583	0.00	0.01	0.011	O					0.03
94.500	0.00	0.02	0.018	O					0.06	99.667	0.00	0.01	0.010	O					0.03
94.583	0.00	0.02	0.018	O					0.06	99.750	0.00	0.01	0.010	O					0.03
94.667	0.00	0.02	0.017	O					0.05	99.833	0.00	0.01	0.010	O					0.03
94.750	0.00	0.02	0.017	O					0.05	99.917	0.00	0.01	0.010	O					0.03
94.833	0.00	0.02	0.017	O					0.05	100.000	0.00	0.01	0.010	O					0.03
94.917	0.00	0.02	0.017	O					0.05	100.083	0.00	0.01	0.010	O					0.03
95.000	0.00	0.02	0.017	O					0.05	100.167	0.00	0.01	0.010	O					0.03
95.083	0.00	0.02	0.017	O					0.05	100.250	0.00	0.01	0.010	O					0.03
95.167	0.00	0.02	0.017	O					0.05	100.333	0.00	0.01	0.010	O					0.03
95.250	0.00	0.02	0.016	O					0.05	100.417	0.00	0.01	0.010	O					0.03
95.333	0.00	0.02	0.016	O					0.05	100.500	0.00	0.01	0.010	O					0.03

100.583	0.00	0.01	0.009	O	|	|	|	|	0.03	105.750	0.00	0.01	0.006	O	|	|	|	|	0.02
100.667	0.00	0.01	0.009	O	|	|	|	|	0.03	105.833	0.00	0.01	0.005	O	|	|	|	|	0.02
100.750	0.00	0.01	0.009	O	|	|	|	|	0.03	105.917	0.00	0.01	0.005	O	|	|	|	|	0.02
100.833	0.00	0.01	0.009	O	|	|	|	|	0.03	106.000	0.00	0.01	0.005	O	|	|	|	|	0.02
100.917	0.00	0.01	0.009	O	|	|	|	|	0.03	106.083	0.00	0.01	0.005	O	|	|	|	|	0.02
101.000	0.00	0.01	0.009	O	|	|	|	|	0.03	106.167	0.00	0.01	0.005	O	|	|	|	|	0.02
101.083	0.00	0.01	0.009	O	|	|	|	|	0.03	106.250	0.00	0.01	0.005	O	|	|	|	|	0.02
101.167	0.00	0.01	0.009	O	|	|	|	|	0.03	106.333	0.00	0.01	0.005	O	|	|	|	|	0.02
101.250	0.00	0.01	0.009	O	|	|	|	|	0.03	106.417	0.00	0.01	0.005	O	|	|	|	|	0.02
101.333	0.00	0.01	0.009	O	|	|	|	|	0.03	106.500	0.00	0.01	0.005	O	|	|	|	|	0.02
101.417	0.00	0.01	0.009	O	|	|	|	|	0.03	106.583	0.00	0.01	0.005	O	|	|	|	|	0.02
101.500	0.00	0.01	0.009	O	|	|	|	|	0.03	106.667	0.00	0.01	0.005	O	|	|	|	|	0.02
101.583	0.00	0.01	0.009	O	|	|	|	|	0.03	106.750	0.00	0.01	0.005	O	|	|	|	|	0.02
101.667	0.00	0.01	0.008	O	|	|	|	|	0.03	106.833	0.00	0.01	0.005	O	|	|	|	|	0.02
101.750	0.00	0.01	0.008	O	|	|	|	|	0.03	106.917	0.00	0.01	0.005	O	|	|	|	|	0.02
101.833	0.00	0.01	0.008	O	|	|	|	|	0.03	107.000	0.00	0.01	0.005	O	|	|	|	|	0.02
101.917	0.00	0.01	0.008	O	|	|	|	|	0.03	107.083	0.00	0.01	0.005	O	|	|	|	|	0.02
102.000	0.00	0.01	0.008	O	|	|	|	|	0.03	107.167	0.00	0.01	0.005	O	|	|	|	|	0.02
102.083	0.00	0.01	0.008	O	|	|	|	|	0.03	107.250	0.00	0.01	0.005	O	|	|	|	|	0.01
102.167	0.00	0.01	0.008	O	|	|	|	|	0.03	107.333	0.00	0.01	0.005	O	|	|	|	|	0.01
102.250	0.00	0.01	0.008	O	|	|	|	|	0.02	107.417	0.00	0.01	0.005	O	|	|	|	|	0.01
102.333	0.00	0.01	0.008	O	|	|	|	|	0.02	107.500	0.00	0.01	0.005	O	|	|	|	|	0.01
102.417	0.00	0.01	0.008	O	|	|	|	|	0.02	107.583	0.00	0.01	0.005	O	|	|	|	|	0.01
102.500	0.00	0.01	0.008	O	|	|	|	|	0.02	107.667	0.00	0.01	0.005	O	|	|	|	|	0.01
102.583	0.00	0.01	0.008	O	|	|	|	|	0.02	107.750	0.00	0.01	0.005	O	|	|	|	|	0.01
102.667	0.00	0.01	0.008	O	|	|	|	|	0.02	107.833	0.00	0.01	0.004	O	|	|	|	|	0.01
102.750	0.00	0.01	0.008	O	|	|	|	|	0.02	107.917	0.00	0.01	0.004	O	|	|	|	|	0.01
102.833	0.00	0.01	0.007	O	|	|	|	|	0.02	108.000	0.00	0.01	0.004	O	|	|	|	|	0.01
102.917	0.00	0.01	0.007	O	|	|	|	|	0.02	108.083	0.00	0.01	0.004	O	|	|	|	|	0.01
103.000	0.00	0.01	0.007	O	|	|	|	|	0.02	108.167	0.00	0.01	0.004	O	|	|	|	|	0.01
103.083	0.00	0.01	0.007	O	|	|	|	|	0.02	108.250	0.00	0.01	0.004	O	|	|	|	|	0.01
103.167	0.00	0.01	0.007	O	|	|	|	|	0.02	108.333	0.00	0.01	0.004	O	|	|	|	|	0.01
103.250	0.00	0.01	0.007	O	|	|	|	|	0.02	108.417	0.00	0.01	0.004	O	|	|	|	|	0.01
103.333	0.00	0.01	0.007	O	|	|	|	|	0.02	108.500	0.00	0.01	0.004	O	|	|	|	|	0.01
103.417	0.00	0.01	0.007	O	|	|	|	|	0.02	108.583	0.00	0.01	0.004	O	|	|	|	|	0.01
103.500	0.00	0.01	0.007	O	|	|	|	|	0.02	108.667	0.00	0.01	0.004	O	|	|	|	|	0.01
103.583	0.00	0.01	0.007	O	|	|	|	|	0.02	108.750	0.00	0.01	0.004	O	|	|	|	|	0.01
103.667	0.00	0.01	0.007	O	|	|	|	|	0.02	108.833	0.00	0.01	0.004	O	|	|	|	|	0.01
103.750	0.00	0.01	0.007	O	|	|	|	|	0.02	108.917	0.00	0.01	0.004	O	|	|	|	|	0.01
103.833	0.00	0.01	0.007	O	|	|	|	|	0.02	109.000	0.00	0.00	0.004	O	|	|	|	|	0.01
103.917	0.00	0.01	0.007	O	|	|	|	|	0.02	109.083	0.00	0.00	0.004	O	|	|	|	|	0.01
104.000	0.00	0.01	0.007	O	|	|	|	|	0.02	109.167	0.00	0.00	0.004	O	|	|	|	|	0.01
104.083	0.00	0.01	0.007	O	|	|	|	|	0.02	109.250	0.00	0.00	0.004	O	|	|	|	|	0.01
104.167	0.00	0.01	0.007	O	|	|	|	|	0.02	109.333	0.00	0.00	0.004	O	|	|	|	|	0.01
104.250	0.00	0.01	0.006	O	|	|	|	|	0.02	109.417	0.00	0.00	0.004	O	|	|	|	|	0.01
104.333	0.00	0.01	0.006	O	|	|	|	|	0.02	109.500	0.00	0.00	0.004	O	|	|	|	|	0.01
104.417	0.00	0.01	0.006	O	|	|	|	|	0.02	109.583	0.00	0.00	0.004	O	|	|	|	|	0.01
104.500	0.00	0.01	0.006	O	|	|	|	|	0.02	109.667	0.00	0.00	0.004	O	|	|	|	|	0.01
104.583	0.00	0.01	0.006	O	|	|	|	|	0.02	109.750	0.00	0.00	0.004	O	|	|	|	|	0.01
104.667	0.00	0.01	0.006	O	|	|	|	|	0.02	109.833	0.00	0.00	0.004	O	|	|	|	|	0.01
104.750	0.00	0.01	0.006	O	|	|	|	|	0.02	109.917	0.00	0.00	0.004	O	|	|	|	|	0.01
104.833	0.00	0.01	0.006	O	|	|	|	|	0.02	110.000	0.00	0.00	0.004	O	|	|	|	|	0.01
104.917	0.00	0.01	0.006	O	|	|	|	|	0.02	110.083	0.00	0.00	0.004	O	|	|	|	|	0.01
105.000	0.00	0.01	0.006	O	|	|	|	|	0.02	110.167	0.00	0.00	0.004	O	|	|	|	|	0.01
105.083	0.00	0.01	0.006	O	|	|	|	|	0.02	110.250	0.00	0.00	0.003	O	|	|	|	|	0.01
105.167	0.00	0.01	0.006	O	|	|	|	|	0.02	110.333	0.00	0.00	0.003	O	|	|	|	|	0.01
105.250	0.00	0.01	0.006	O	|	|	|	|	0.02	110.417	0.00	0.00	0.003	O	|	|	|	|	0.01
105.333	0.00	0.01	0.006	O	|	|	|	|	0.02	110.500	0.00	0.00	0.003	O	|	|	|	|	0.01
105.417	0.00	0.01	0.006	O	|	|	|	|	0.02	110.583	0.00	0.00	0.003	O	|	|	|	|	0.01
105.500	0.00	0.01	0.006	O	|	|	|	|	0.02	110.667	0.00	0.00	0.003	O	|	|	|	|	0.01
105.583	0.00	0.01	0.006	O	|	|	|	|	0.02	110.750	0.00	0.00	0.003	O	|	|	|	|	0.01
105.667	0.00	0.01	0.006	O	|	|	|	|	0.02	110.833	0.00	0.00	0.003	O	|	|	|	|	0.01

110.917	0.00	0.00	0.003	O	|	|	|	|	0.01	116.083	0.00	0.00	0.002	O	|	|	|	|	0.01
111.000	0.00	0.00	0.003	O	|	|	|	|	0.01	116.167	0.00	0.00	0.002	O	|	|	|	|	0.01
111.083	0.00	0.00	0.003	O	|	|	|	|	0.01	116.250	0.00	0.00	0.002	O	|	|	|	|	0.01
111.167	0.00	0.00	0.003	O	|	|	|	|	0.01	116.333	0.00	0.00	0.002	O	|	|	|	|	0.01
111.250	0.00	0.00	0.003	O	|	|	|	|	0.01	116.417	0.00	0.00	0.002	O	|	|	|	|	0.01
111.333	0.00	0.00	0.003	O	|	|	|	|	0.01	116.500	0.00	0.00	0.002	O	|	|	|	|	0.01
111.417	0.00	0.00	0.003	O	|	|	|	|	0.01	116.583	0.00	0.00	0.002	O	|	|	|	|	0.01
111.500	0.00	0.00	0.003	O	|	|	|	|	0.01	116.667	0.00	0.00	0.002	O	|	|	|	|	0.01
111.583	0.00	0.00	0.003	O	|	|	|	|	0.01	116.750	0.00	0.00	0.002	O	|	|	|	|	0.01
111.667	0.00	0.00	0.003	O	|	|	|	|	0.01	116.833	0.00	0.00	0.002	O	|	|	|	|	0.01
111.750	0.00	0.00	0.003	O	|	|	|	|	0.01	116.917	0.00	0.00	0.002	O	|	|	|	|	0.01
111.833	0.00	0.00	0.003	O	|	|	|	|	0.01	117.000	0.00	0.00	0.002	O	|	|	|	|	0.01
111.917	0.00	0.00	0.003	O	|	|	|	|	0.01	117.083	0.00	0.00	0.002	O	|	|	|	|	0.01
112.000	0.00	0.00	0.003	O	|	|	|	|	0.01	117.167	0.00	0.00	0.002	O	|	|	|	|	0.01
112.083	0.00	0.00	0.003	O	|	|	|	|	0.01	117.250	0.00	0.00	0.002	O	|	|	|	|	0.01
112.167	0.00	0.00	0.003	O	|	|	|	|	0.01	117.333	0.00	0.00	0.002	O	|	|	|	|	0.01
112.250	0.00	0.00	0.003	O	|	|	|	|	0.01	117.417	0.00	0.00	0.002	O	|	|	|	|	0.01
112.333	0.00	0.00	0.003	O	|	|	|	|	0.01	117.500	0.00	0.00	0.002	O	|	|	|	|	0.01
112.417	0.00	0.00	0.003	O	|	|	|	|	0.01	117.583	0.00	0.00	0.002	O	|	|	|	|	0.01
112.500	0.00	0.00	0.003	O	|	|	|	|	0.01	117.667	0.00	0.00	0.002	O	|	|	|	|	0.01
112.583	0.00	0.00	0.003	O	|	|	|	|	0.01	117.750	0.00	0.00	0.002	O	|	|	|	|	0.01
112.667	0.00	0.00	0.003	O	|	|	|	|	0.01	117.833	0.00	0.00	0.002	O	|	|	|	|	0.00
112.750	0.00	0.00	0.003	O	|	|	|	|	0.01	117.917	0.00	0.00	0.002	O	|	|	|	|	0.00
112.833	0.00	0.00	0.003	O	|	|	|	|	0.01	118.000	0.00	0.00	0.002	O	|	|	|	|	0.00
112.917	0.00	0.00	0.003	O	|	|	|	|	0.01	118.083	0.00	0.00	0.002	O	|	|	|	|	0.00
113.000	0.00	0.00	0.003	O	|	|	|	|	0.01	118.167	0.00	0.00	0.002	O	|	|	|	|	0.00
113.083	0.00	0.00	0.003	O	|	|	|	|	0.01	118.250	0.00	0.00	0.002	O	|	|	|	|	0.00
113.167	0.00	0.00	0.003	O	|	|	|	|	0.01	118.333	0.00	0.00	0.002	O	|	|	|	|	0.00
113.250	0.00	0.00	0.003	O	|	|	|	|	0.01	118.417	0.00	0.00	0.001	O	|	|	|	|	0.00
113.333	0.00	0.00	0.003	O	|	|	|	|	0.01	118.500	0.00	0.00	0.001	O	|	|	|	|	0.00
113.417	0.00	0.00	0.003	O	|	|	|	|	0.01	118.583	0.00	0.00	0.001	O	|	|	|	|	0.00
113.500	0.00	0.00	0.002	O	|	|	|	|	0.01	118.667	0.00	0.00	0.001	O	|	|	|	|	0.00
113.583	0.00	0.00	0.002	O	|	|	|	|	0.01	118.750	0.00	0.00	0.001	O	|	|	|	|	0.00
113.667	0.00	0.00	0.002	O	|	|	|	|	0.01	118.833	0.00	0.00	0.001	O	|	|	|	|	0.00
113.750	0.00	0.00	0.002	O	|	|	|	|	0.01	118.917	0.00	0.00	0.001	O	|	|	|	|	0.00
113.833	0.00	0.00	0.002	O	|	|	|	|	0.01	119.000	0.00	0.00	0.001	O	|	|	|	|	0.00
113.917	0.00	0.00	0.002	O	|	|	|	|	0.01	119.083	0.00	0.00	0.001	O	|	|	|	|	0.00
114.000	0.00	0.00	0.002	O	|	|	|	|	0.01	119.167	0.00	0.00	0.001	O	|	|	|	|	0.00
114.083	0.00	0.00	0.002	O	|	|	|	|	0.01	119.250	0.00	0.00	0.001	O	|	|	|	|	0.00
114.167	0.00	0.00	0.002	O	|	|	|	|	0.01	119.333	0.00	0.00	0.001	O	|	|	|	|	0.00
114.250	0.00	0.00	0.002	O	|	|	|	|	0.01	119.417	0.00	0.00	0.001	O	|	|	|	|	0.00
114.333	0.00	0.00	0.002	O	|	|	|	|	0.01	119.500	0.00	0.00	0.001	O	|	|	|	|	0.00
114.417	0.00	0.00	0.002	O	|	|	|	|	0.01	119.583	0.00	0.00	0.001	O	|	|	|	|	0.00
114.500	0.00	0.00	0.002	O	|	|	|	|	0.01	119.667	0.00	0.00	0.001	O	|	|	|	|	0.00
114.583	0.00	0.00	0.002	O	|	|	|	|	0.01	119.750	0.00	0.00	0.001	O	|	|	|	|	0.00
114.667	0.00	0.00	0.002	O	|	|	|	|	0.01	119.833	0.00	0.00	0.001	O	|	|	|	|	0.00
114.750	0.00	0.00	0.002	O	|	|	|	|	0.01	119.917	0.00	0.00	0.001	O	|	|	|	|	0.00
114.833	0.00	0.00	0.002	O	|	|	|	|	0.01	120.000	0.00	0.00	0.001	O	|	|	|	|	0.00
114.917	0.00	0.00	0.002	O	|	|	|	|	0.01	120.083	0.00	0.00	0.001	O	|	|	|	|	0.00
115.000	0.00	0.00	0.002	O	|	|	|	|	0.01	120.167	0.00	0.00	0.001	O	|	|	|	|	0.00
115.083	0.00	0.00	0.002	O	|	|	|	|	0.01	120.250	0.00	0.00	0.001	O	|	|	|	|	0.00
115.167	0.00	0.00	0.002	O	|	|	|	|	0.01	120.333	0.00	0.00	0.001	O	|	|	|	|	0.00
115.250	0.00	0.00	0.002	O	|	|	|	|	0.01	120.417	0.00	0.00	0.001	O	|	|	|	|	0.00
115.333	0.00	0.00	0.002	O	|	|	|	|	0.01	120.500	0.00	0.00	0.001	O	|	|	|	|	0.00
115.417	0.00	0.00	0.002	O	|	|	|	|	0.01	120.583	0.00	0.00	0.001	O	|	|	|	|	0.00
115.500	0.00	0.00	0.002	O	|	|	|	|	0.01	120.667	0.00	0.00	0.001	O	|	|	|	|	0.00
115.583	0.00	0.00	0.002	O	|	|	|	|	0.01	120.750	0.00	0.00	0.001	O	|	|	|	|	0.00
115.667	0.00	0.00	0.002	O	|	|	|	|	0.01	120.833	0.00	0.00	0.001	O	|	|	|	|	0.00
115.750	0.00	0.00	0.002	O	|	|	|	|	0.01	120.917	0.00	0.00	0.001	O	|	|	|	|	0.00
115.833	0.00	0.00	0.002	O	|	|	|	|	0.01	121.000	0.00	0.00	0.001	O	|	|	|	|	0.00
115.917	0.00	0.00	0.002	O	|	|	|	|	0.01	121.083	0.00	0.00	0.001	O	|	|	|	|	0.00
116.000	0.00	0.00	0.002	O	|	|	|	|	0.01	121.167	0.00	0.00	0.001	O	|	|	|	|	0.00

121.250	0.00	0.00	0.001	O	|	|	|	|	0.00
121.333	0.00	0.00	0.001	O	|	|	|	|	0.00
121.417	0.00	0.00	0.001	O	|	|	|	|	0.00
121.500	0.00	0.00	0.001	O	|	|	|	|	0.00
121.583	0.00	0.00	0.001	O	|	|	|	|	0.00
121.667	0.00	0.00	0.001	O	|	|	|	|	0.00
121.750	0.00	0.00	0.001	O	|	|	|	|	0.00
121.833	0.00	0.00	0.001	O	|	|	|	|	0.00
121.917	0.00	0.00	0.001	O	|	|	|	|	0.00
122.000	0.00	0.00	0.001	O	|	|	|	|	0.00
122.083	0.00	0.00	0.001	O	|	|	|	|	0.00
122.167	0.00	0.00	0.001	O	|	|	|	|	0.00
122.250	0.00	0.00	0.001	O	|	|	|	|	0.00
122.333	0.00	0.00	0.001	O	|	|	|	|	0.00
122.417	0.00	0.00	0.001	O	|	|	|	|	0.00
122.500	0.00	0.00	0.001	O	|	|	|	|	0.00
122.583	0.00	0.00	0.001	O	|	|	|	|	0.00
122.667	0.00	0.00	0.001	O	|	|	|	|	0.00
122.750	0.00	0.00	0.001	O	|	|	|	|	0.00
122.833	0.00	0.00	0.001	O	|	|	|	|	0.00
122.917	0.00	0.00	0.001	O	|	|	|	|	0.00
123.000	0.00	0.00	0.001	O	|	|	|	|	0.00
123.083	0.00	0.00	0.001	O	|	|	|	|	0.00
123.167	0.00	0.00	0.001	O	|	|	|	|	0.00
123.250	0.00	0.00	0.001	O	|	|	|	|	0.00
123.333	0.00	0.00	0.001	O	|	|	|	|	0.00
123.417	0.00	0.00	0.001	O	|	|	|	|	0.00
123.500	0.00	0.00	0.001	O	|	|	|	|	0.00
123.583	0.00	0.00	0.001	O	|	|	|	|	0.00
123.667	0.00	0.00	0.001	O	|	|	|	|	0.00
123.750	0.00	0.00	0.001	O	|	|	|	|	0.00
123.833	0.00	0.00	0.001	O	|	|	|	|	0.00
123.917	0.00	0.00	0.001	O	|	|	|	|	0.00
124.000	0.00	0.00	0.001	O	|	|	|	|	0.00
124.083	0.00	0.00	0.001	O	|	|	|	|	0.00
124.167	0.00	0.00	0.001	O	|	|	|	|	0.00
124.250	0.00	0.00	0.001	O	|	|	|	|	0.00
124.333	0.00	0.00	0.001	O	|	|	|	|	0.00
124.417	0.00	0.00	0.001	O	|	|	|	|	0.00
124.500	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1494
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 8.471 (CFS)
Total volume = 9.805 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.215	36.978	1.786	0.000	0.000
Vol (Ac.Ft)	0.299	7.946	3.114	0.000	0.000

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Process from Point/Station 10.940 to Point/Station 10.960
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP10A1006100.rte

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	87.2	174.4	261.5	348.7
0+ 5	0.2638	0.27	Q	|	|	|	|
0+10	1.1517	1.18	Q	|	|	|	|
0+15	2.9171	2.99	Q	|	|	|	|
0+20	6.7799	6.91	Q	|	|	|	|
0+25	9.6251	9.81	|Q	|	|	|	|
0+30	11.1968	11.44	|Q	|	|	|	|
0+35	12.3650	12.67	|Q	|	|	|	|
0+40	13.4288	13.81	|Q	|	|	|	|
0+45	14.7165	15.13	|Q	|	|	|	|
0+50	15.5988	16.04	|Q	|	|	|	|
0+55	16.1783	16.65	|Q	|	|	|	|
1+ 0	16.6650	17.16	|Q	|	|	|	|
1+ 5	17.1580	17.68	|qQ	|	|	|	|
1+10	17.7222	18.28	| Q	|	|	|	|
1+15	18.5882	19.18	| Q	|	|	|	|
1+20	19.1288	19.80	| Q	|	|	|	|
1+25	19.4377	20.19	| Q	|	|	|	|
1+30	19.6668	20.49	| Q	|	|	|	|
1+35	19.8372	20.74	| Q	|	|	|	|
1+40	19.9729	20.95	| Q	|	|	|	|
1+45	20.0881	21.14	| Q	|	|	|	|
1+50	20.1767	21.30	| Q	|	|	|	|
1+55	20.2438	21.40	| Q	|	|	|	|
2+ 0	20.3444	21.54	| Q	|	|	|	|
2+ 5	20.4936	21.72	| Q	|	|	|	|
2+10	20.7177	21.98	| Q	|	|	|	|
2+15	21.2859	22.59	| Q	|	|	|	|
2+20	21.3344	22.68	| Q	|	|	|	|
2+25	21.8421	23.22	| Q	|	|	|	|
2+30	22.2129	23.63	| Q	|	|	|	|
2+35	22.3976	23.85	| Q	|	|	|	|
2+40	22.5347	24.01	| Q	|	|	|	|
2+45	22.6887	24.19	| Q	|	|	|	|
2+50	22.9358	24.47	| Q	|	|	|	|
2+55	23.3158	24.88	| Q	|	|	|	|
3+ 0	24.0720	25.67	| Q	|	|	|	|
3+ 5	24.5342	26.17	| qQ	|	|	|	|
3+10	24.9441	26.61	| qQ	|	|	|	|
3+15	25.6604	27.35	| qQ	|	|	|	|
3+20	26.8214	28.54	| Q	|	|	|	|
3+25	29.4391	31.18	| Q	|	|	|	|
3+30	31.8528	33.62	| Q	|	|	|	|
3+35	34.9684	36.77	| Q	|	|	|	|
3+40	40.7200	42.56	| Q	|	|	|	|
3+45	47.6936	49.56	| Q	|	|	|	|
3+50	54.6348	56.54	| Q	|	|	|	|
3+55	59.9907	61.93	| qQ	|	|	|	|
4+ 0	66.1359	68.11	| Q	|	|	|	|
4+ 5	71.3562	73.37	| Q |	|	|	|	|
4+10	77.6832	79.73	| qQ|	|	|	|	|
4+15	83.6166	85.69	| Q|	|	|	|	|
4+20	91.3053	93.42	| Q	|	|	|	|
4+25	100.2905	102.44	| |Q	|	|	|	|

4+30	109.5869	111.77	Q
4+35	118.7505	120.97	Q
4+40	127.5029	129.76	Q
4+45	134.7843	137.08	Q
4+50	143.2511	145.59	Q
4+55	152.2564	154.63	Q
5+ 0	160.9905	163.40	Q
5+ 5	169.2017	171.65	Q
5+10	181.7274	184.22	qQ
5+15	200.3740	202.91	qQ
5+20	230.2434	232.82	Q
5+25	265.4674	268.09	Q
5+30	300.8643	303.54	Q
5+35	330.5389	333.27	qQ
5+40	345.2221	348.72	qQ
5+45	334.6008	341.89	qQ
5+50	236.9581	245.39	qQ
5+55	157.4131	165.88	qQ
6+ 0	116.2561	124.30	qQ
6+ 5	89.9220	97.26	qQ
6+10	69.7052	76.18	qQ
6+15	53.4191	58.99	Q
6+20	39.9010	44.66	qQ
6+25	29.3664	33.41	Q
6+30	21.3688	24.81	Q
6+35	15.2188	18.14	qQ
6+40	10.5462	13.31	Q
6+45	8.0582	10.82	qQ
6+50	6.5737	9.34	qQ
6+55	5.3675	8.13	Q
7+ 0	4.3404	7.10	Q
7+ 5	3.6846	6.44	Q
7+10	2.9182	5.67	Q
7+15	1.9485	4.70	Q
7+20	1.2474	4.00	Q
7+25	0.7114	3.46	Q
7+30	0.3442	3.09	Q
7+35	0.1146	2.86	Q
7+40	0.0519	2.79	Q
7+45	0.0277	2.77	Q
7+50	0.0141	2.75	Q
7+55	0.0056	2.74	Q
8+ 0	0.0016	2.74	Q
8+ 5	0.0000	2.73	Q
8+10	0.0000	2.73	Q
8+15	0.0000	2.73	Q
8+20	0.0000	2.73	Q
8+25	0.0000	2.72	Q
8+30	0.0000	2.72	Q
8+35	0.0000	2.72	Q
8+40	0.0000	2.72	Q
8+45	0.0000	2.72	Q
8+50	0.0000	2.71	Q
8+55	0.0000	2.71	Q
9+ 0	0.0000	2.71	Q
9+ 5	0.0000	2.71	Q
9+10	0.0000	2.70	Q
9+15	0.0000	2.70	Q
9+20	0.0000	2.70	Q
9+25	0.0000	2.70	Q
9+30	0.0000	2.70	Q
9+35	0.0000	2.69	Q
9+40	0.0000	2.69	Q
9+45	0.0000	2.69	Q
9+50	0.0000	2.69	Q
9+55	0.0000	2.69	Q
10+ 0	0.0000	2.68	Q
10+ 5	0.0000	2.68	Q
10+10	0.0000	2.68	Q
10+15	0.0000	2.68	Q
10+20	0.0000	2.68	Q
10+25	0.0000	2.67	Q
10+30	0.0000	2.67	Q
10+35	0.0000	2.67	Q
10+40	0.0000	2.67	Q
10+45	0.0000	2.66	Q
10+50	0.0000	2.66	Q
10+55	0.0000	2.66	Q
11+ 0	0.0000	2.66	Q
11+ 5	0.0000	2.66	Q
11+10	0.0000	2.65	Q
11+15	0.0000	2.65	Q
11+20	0.0000	2.65	Q
11+25	0.0000	2.65	Q
11+30	0.0000	2.65	Q
11+35	0.0000	2.64	Q
11+40	0.0000	2.64	Q
11+45	0.0000	2.64	Q
11+50	0.0000	2.64	Q
11+55	0.0000	2.64	Q
12+ 0	0.0000	2.63	Q
12+ 5	0.0000	2.63	Q
12+10	0.0000	2.63	Q
12+15	0.0000	2.63	Q
12+20	0.0000	2.63	Q
12+25	0.0000	2.62	Q
12+30	0.0000	2.62	Q
12+35	0.0000	2.62	Q
12+40	0.0000	2.62	Q
12+45	0.0000	2.61	Q
12+50	0.0000	2.61	Q
12+55	0.0000	2.61	Q
13+ 0	0.0000	2.61	Q
13+ 5	0.0000	2.61	Q
13+10	0.0000	2.60	Q
13+15	0.0000	2.60	Q
13+20	0.0000	2.60	Q
13+25	0.0000	2.60	Q
13+30	0.0000	2.59	Q
13+35	0.0000	2.59	Q
13+40	0.0000	2.59	Q
13+45	0.0000	2.59	Q
13+50	0.0000	2.59	Q
13+55	0.0000	2.58	Q
14+ 0	0.0000	2.58	Q
14+ 5	0.0000	2.58	Q
14+10	0.0000	2.58	Q
14+15	0.0000	2.58	Q
14+20	0.0000	2.57	Q
14+25	0.0000	2.57	Q
14+30	0.0000	2.57	Q
14+35	0.0000	2.57	Q
14+40	0.0000	2.57	Q
14+45	0.0000	2.56	Q

14+50	0.0000	2.56	Q					20+ 0	0.0000	2.41	Q				
14+55	0.0000	2.56	Q					20+ 5	0.0000	2.41	Q				
15+ 0	0.0000	2.56	Q					20+10	0.0000	2.41	Q				
15+ 5	0.0000	2.55	Q					20+15	0.0000	2.41	Q				
15+10	0.0000	2.55	Q					20+20	0.0000	2.40	Q				
15+15	0.0000	2.55	Q					20+25	0.0000	2.40	Q				
15+20	0.0000	2.55	Q					20+30	0.0000	2.40	Q				
15+25	0.0000	2.55	Q					20+35	0.0000	2.40	Q				
15+30	0.0000	2.54	Q					20+40	0.0000	2.40	Q				
15+35	0.0000	2.54	Q					20+45	0.0000	2.39	Q				
15+40	0.0000	2.54	Q					20+50	0.0000	2.39	Q				
15+45	0.0000	2.54	Q					20+55	0.0000	2.39	Q				
15+50	0.0000	2.54	Q					21+ 0	0.0000	2.39	Q				
15+55	0.0000	2.53	Q					21+ 5	0.0000	2.38	Q				
16+ 0	0.0000	2.53	Q					21+10	0.0000	2.38	Q				
16+ 5	0.0000	2.53	Q					21+15	0.0000	2.38	Q				
16+10	0.0000	2.53	Q					21+20	0.0000	2.38	Q				
16+15	0.0000	2.53	Q					21+25	0.0000	2.37	Q				
16+20	0.0000	2.52	Q					21+30	0.0000	2.37	Q				
16+25	0.0000	2.52	Q					21+35	0.0000	2.37	Q				
16+30	0.0000	2.52	Q					21+40	0.0000	2.37	Q				
16+35	0.0000	2.52	Q					21+45	0.0000	2.36	Q				
16+40	0.0000	2.51	Q					21+50	0.0000	2.36	Q				
16+45	0.0000	2.51	Q					21+55	0.0000	2.36	Q				
16+50	0.0000	2.51	Q					22+ 0	0.0000	2.36	Q				
16+55	0.0000	2.51	Q					22+ 5	0.0000	2.35	Q				
17+ 0	0.0000	2.51	Q					22+10	0.0000	2.35	Q				
17+ 5	0.0000	2.50	Q					22+15	0.0000	2.35	Q				
17+10	0.0000	2.50	Q					22+20	0.0000	2.34	Q				
17+15	0.0000	2.50	Q					22+25	0.0000	2.34	Q				
17+20	0.0000	2.50	Q					22+30	0.0000	2.34	Q				
17+25	0.0000	2.49	Q					22+35	0.0000	2.34	Q				
17+30	0.0000	2.49	Q					22+40	0.0000	2.33	Q				
17+35	0.0000	2.49	Q					22+45	0.0000	2.33	Q				
17+40	0.0000	2.49	Q					22+50	0.0000	2.33	Q				
17+45	0.0000	2.48	Q					22+55	0.0000	2.32	Q				
17+50	0.0000	2.48	Q					23+ 0	0.0000	2.32	Q				
17+55	0.0000	2.48	Q					23+ 5	0.0000	2.32	Q				
18+ 0	0.0000	2.48	Q					23+10	0.0000	2.32	Q				
18+ 5	0.0000	2.47	Q					23+15	0.0000	2.31	Q				
18+10	0.0000	2.47	Q					23+20	0.0000	2.31	Q				
18+15	0.0000	2.47	Q					23+25	0.0000	2.31	Q				
18+20	0.0000	2.47	Q					23+30	0.0000	2.30	Q				
18+25	0.0000	2.46	Q					23+35	0.0000	2.30	Q				
18+30	0.0000	2.46	Q					23+40	0.0000	2.30	Q				
18+35	0.0000	2.46	Q					23+45	0.0000	2.30	Q				
18+40	0.0000	2.45	Q					23+50	0.0000	2.29	Q				
18+45	0.0000	2.45	Q					23+55	0.0000	2.29	Q				
18+50	0.0000	2.45	Q					24+ 0	0.0000	2.29	Q				
18+55	0.0000	2.45	Q					24+ 5	0.0000	2.28	Q				
19+ 0	0.0000	2.44	Q					24+10	0.0000	2.28	Q				
19+ 5	0.0000	2.44	Q					24+15	0.0000	2.28	Q				
19+10	0.0000	2.44	Q					24+20	0.0000	2.28	Q				
19+15	0.0000	2.44	Q					24+25	0.0000	2.27	Q				
19+20	0.0000	2.43	Q					24+30	0.0000	2.27	Q				
19+25	0.0000	2.43	Q					24+35	0.0000	2.27	Q				
19+30	0.0000	2.43	Q					24+40	0.0000	2.27	Q				
19+35	0.0000	2.43	Q					24+45	0.0000	2.26	Q				
19+40	0.0000	2.42	Q					24+50	0.0000	2.26	Q				
19+45	0.0000	2.42	Q					24+55	0.0000	2.26	Q				
19+50	0.0000	2.42	Q					25+ 0	0.0000	2.25	Q				
19+55	0.0000	2.42	Q					25+ 5	0.0000	2.25	Q				

25+10	0.0000	2.25	Q	|	|	|	|	30+20	0.0000	2.07	Q	|	|	|	|
25+15	0.0000	2.25	Q	|	|	|	|	30+25	0.0000	2.07	Q	|	|	|	|
25+20	0.0000	2.24	Q	|	|	|	|	30+30	0.0000	2.07	Q	|	|	|	|
25+25	0.0000	2.24	Q	|	|	|	|	30+35	0.0000	2.07	Q	|	|	|	|
25+30	0.0000	2.24	Q	|	|	|	|	30+40	0.0000	2.06	Q	|	|	|	|
25+35	0.0000	2.24	Q	|	|	|	|	30+45	0.0000	2.06	Q	|	|	|	|
25+40	0.0000	2.23	Q	|	|	|	|	30+50	0.0000	2.06	Q	|	|	|	|
25+45	0.0000	2.23	Q	|	|	|	|	30+55	0.0000	2.05	Q	|	|	|	|
25+50	0.0000	2.23	Q	|	|	|	|	31+ 0	0.0000	2.05	Q	|	|	|	|
25+55	0.0000	2.22	Q	|	|	|	|	31+ 5	0.0000	2.05	Q	|	|	|	|
26+ 0	0.0000	2.22	Q	|	|	|	|	31+10	0.0000	2.05	Q	|	|	|	|
26+ 5	0.0000	2.22	Q	|	|	|	|	31+15	0.0000	2.04	Q	|	|	|	|
26+10	0.0000	2.22	Q	|	|	|	|	31+20	0.0000	2.04	Q	|	|	|	|
26+15	0.0000	2.21	Q	|	|	|	|	31+25	0.0000	2.04	Q	|	|	|	|
26+20	0.0000	2.21	Q	|	|	|	|	31+30	0.0000	2.03	Q	|	|	|	|
26+25	0.0000	2.21	Q	|	|	|	|	31+35	0.0000	2.03	Q	|	|	|	|
26+30	0.0000	2.21	Q	|	|	|	|	31+40	0.0000	2.03	Q	|	|	|	|
26+35	0.0000	2.20	Q	|	|	|	|	31+45	0.0000	2.02	Q	|	|	|	|
26+40	0.0000	2.20	Q	|	|	|	|	31+50	0.0000	2.02	Q	|	|	|	|
26+45	0.0000	2.20	Q	|	|	|	|	31+55	0.0000	2.02	Q	|	|	|	|
26+50	0.0000	2.19	Q	|	|	|	|	32+ 0	0.0000	2.01	Q	|	|	|	|
26+55	0.0000	2.19	Q	|	|	|	|	32+ 5	0.0000	2.01	Q	|	|	|	|
27+ 0	0.0000	2.19	Q	|	|	|	|	32+10	0.0000	2.01	Q	|	|	|	|
27+ 5	0.0000	2.19	Q	|	|	|	|	32+15	0.0000	2.00	Q	|	|	|	|
27+10	0.0000	2.18	Q	|	|	|	|	32+20	0.0000	2.00	Q	|	|	|	|
27+15	0.0000	2.18	Q	|	|	|	|	32+25	0.0000	2.00	Q	|	|	|	|
27+20	0.0000	2.18	Q	|	|	|	|	32+30	0.0000	1.99	Q	|	|	|	|
27+25	0.0000	2.17	Q	|	|	|	|	32+35	0.0000	1.99	Q	|	|	|	|
27+30	0.0000	2.17	Q	|	|	|	|	32+40	0.0000	1.99	Q	|	|	|	|
27+35	0.0000	2.17	Q	|	|	|	|	32+45	0.0000	1.98	Q	|	|	|	|
27+40	0.0000	2.16	Q	|	|	|	|	32+50	0.0000	1.98	Q	|	|	|	|
27+45	0.0000	2.16	Q	|	|	|	|	32+55	0.0000	1.97	Q	|	|	|	|
27+50	0.0000	2.16	Q	|	|	|	|	33+ 0	0.0000	1.97	Q	|	|	|	|
27+55	0.0000	2.16	Q	|	|	|	|	33+ 5	0.0000	1.97	Q	|	|	|	|
28+ 0	0.0000	2.15	Q	|	|	|	|	33+10	0.0000	1.96	Q	|	|	|	|
28+ 5	0.0000	2.15	Q	|	|	|	|	33+15	0.0000	1.96	Q	|	|	|	|
28+10	0.0000	2.15	Q	|	|	|	|	33+20	0.0000	1.96	Q	|	|	|	|
28+15	0.0000	2.14	Q	|	|	|	|	33+25	0.0000	1.95	Q	|	|	|	|
28+20	0.0000	2.14	Q	|	|	|	|	33+30	0.0000	1.95	Q	|	|	|	|
28+25	0.0000	2.14	Q	|	|	|	|	33+35	0.0000	1.95	Q	|	|	|	|
28+30	0.0000	2.14	Q	|	|	|	|	33+40	0.0000	1.94	Q	|	|	|	|
28+35	0.0000	2.13	Q	|	|	|	|	33+45	0.0000	1.94	Q	|	|	|	|
28+40	0.0000	2.13	Q	|	|	|	|	33+50	0.0000	1.94	Q	|	|	|	|
28+45	0.0000	2.13	Q	|	|	|	|	33+55	0.0000	1.93	Q	|	|	|	|
28+50	0.0000	2.12	Q	|	|	|	|	34+ 0	0.0000	1.93	Q	|	|	|	|
28+55	0.0000	2.12	Q	|	|	|	|	34+ 5	0.0000	1.93	Q	|	|	|	|
29+ 0	0.0000	2.12	Q	|	|	|	|	34+10	0.0000	1.92	Q	|	|	|	|
29+ 5	0.0000	2.12	Q	|	|	|	|	34+15	0.0000	1.92	Q	|	|	|	|
29+10	0.0000	2.11	Q	|	|	|	|	34+20	0.0000	1.92	Q	|	|	|	|
29+15	0.0000	2.11	Q	|	|	|	|	34+25	0.0000	1.91	Q	|	|	|	|
29+20	0.0000	2.11	Q	|	|	|	|	34+30	0.0000	1.91	Q	|	|	|	|
29+25	0.0000	2.11	Q	|	|	|	|	34+35	0.0000	1.91	Q	|	|	|	|
29+30	0.0000	2.10	Q	|	|	|	|	34+40	0.0000	1.90	Q	|	|	|	|
29+35	0.0000	2.10	Q	|	|	|	|	34+45	0.0000	1.90	Q	|	|	|	|
29+40	0.0000	2.10	Q	|	|	|	|	34+50	0.0000	1.90	Q	|	|	|	|
29+45	0.0000	2.09	Q	|	|	|	|	34+55	0.0000	1.89	Q	|	|	|	|
29+50	0.0000	2.09	Q	|	|	|	|	35+ 0	0.0000	1.89	Q	|	|	|	|
29+55	0.0000	2.09	Q	|	|	|	|	35+ 5	0.0000	1.89	Q	|	|	|	|
30+ 0	0.0000	2.09	Q	|	|	|	|	35+10	0.0000	1.88	Q	|	|	|	|
30+ 5	0.0000	2.08	Q	|	|	|	|	35+15	0.0000	1.88	Q	|	|	|	|
30+10	0.0000	2.08	Q	|	|	|	|	35+20	0.0000	1.88	Q	|	|	|	|
30+15	0.0000	2.08	Q	|	|	|	|	35+25	0.0000	1.87	Q	|	|	|	|

35+30	0.0000	1.87	Q					40+40	0.0000	1.65	Q				
35+35	0.0000	1.87	Q					40+45	0.0000	1.64	Q				
35+40	0.0000	1.86	Q					40+50	0.0000	1.64	Q				
35+45	0.0000	1.86	Q					40+55	0.0000	1.64	Q				
35+50	0.0000	1.86	Q					41+ 0	0.0000	1.63	Q				
35+55	0.0000	1.85	Q					41+ 5	0.0000	1.63	Q				
36+ 0	0.0000	1.85	Q					41+10	0.0000	1.62	Q				
36+ 5	0.0000	1.85	Q					41+15	0.0000	1.62	Q				
36+10	0.0000	1.84	Q					41+20	0.0000	1.61	Q				
36+15	0.0000	1.84	Q					41+25	0.0000	1.61	Q				
36+20	0.0000	1.84	Q					41+30	0.0000	1.60	Q				
36+25	0.0000	1.83	Q					41+35	0.0000	1.60	Q				
36+30	0.0000	1.83	Q					41+40	0.0000	1.60	Q				
36+35	0.0000	1.82	Q					41+45	0.0000	1.59	Q				
36+40	0.0000	1.82	Q					41+50	0.0000	1.59	Q				
36+45	0.0000	1.82	Q					41+55	0.0000	1.58	Q				
36+50	0.0000	1.81	Q					42+ 0	0.0000	1.58	Q				
36+55	0.0000	1.81	Q					42+ 5	0.0000	1.57	Q				
37+ 0	0.0000	1.81	Q					42+10	0.0000	1.57	Q				
37+ 5	0.0000	1.80	Q					42+15	0.0000	1.56	Q				
37+10	0.0000	1.80	Q					42+20	0.0000	1.56	Q				
37+15	0.0000	1.79	Q					42+25	0.0000	1.56	Q				
37+20	0.0000	1.79	Q					42+30	0.0000	1.55	Q				
37+25	0.0000	1.79	Q					42+35	0.0000	1.55	Q				
37+30	0.0000	1.78	Q					42+40	0.0000	1.54	Q				
37+35	0.0000	1.78	Q					42+45	0.0000	1.54	Q				
37+40	0.0000	1.78	Q					42+50	0.0000	1.53	Q				
37+45	0.0000	1.77	Q					42+55	0.0000	1.53	Q				
37+50	0.0000	1.77	Q					43+ 0	0.0000	1.53	Q				
37+55	0.0000	1.77	Q					43+ 5	0.0000	1.52	Q				
38+ 0	0.0000	1.76	Q					43+10	0.0000	1.52	Q				
38+ 5	0.0000	1.76	Q					43+15	0.0000	1.51	Q				
38+10	0.0000	1.75	Q					43+20	0.0000	1.51	Q				
38+15	0.0000	1.75	Q					43+25	0.0000	1.50	Q				
38+20	0.0000	1.75	Q					43+30	0.0000	1.50	Q				
38+25	0.0000	1.74	Q					43+35	0.0000	1.50	Q				
38+30	0.0000	1.74	Q					43+40	0.0000	1.49	Q				
38+35	0.0000	1.74	Q					43+45	0.0000	1.49	Q				
38+40	0.0000	1.73	Q					43+50	0.0000	1.48	Q				
38+45	0.0000	1.73	Q					43+55	0.0000	1.48	Q				
38+50	0.0000	1.73	Q					44+ 0	0.0000	1.48	Q				
38+55	0.0000	1.72	Q					44+ 5	0.0000	1.47	Q				
39+ 0	0.0000	1.72	Q					44+10	0.0000	1.47	Q				
39+ 5	0.0000	1.72	Q					44+15	0.0000	1.46	Q				
39+10	0.0000	1.71	Q					44+20	0.0000	1.46	Q				
39+15	0.0000	1.71	Q					44+25	0.0000	1.46	Q				
39+20	0.0000	1.70	Q					44+30	0.0000	1.45	Q				
39+25	0.0000	1.70	Q					44+35	0.0000	1.45	Q				
39+30	0.0000	1.70	Q					44+40	0.0000	1.44	Q				
39+35	0.0000	1.69	Q					44+45	0.0000	1.44	Q				
39+40	0.0000	1.69	Q					44+50	0.0000	1.44	Q				
39+45	0.0000	1.69	Q					44+55	0.0000	1.43	Q				
39+50	0.0000	1.68	Q					45+ 0	0.0000	1.43	Q				
39+55	0.0000	1.68	Q					45+ 5	0.0000	1.42	Q				
40+ 0	0.0000	1.68	Q					45+10	0.0000	1.42	Q				
40+ 5	0.0000	1.67	Q					45+15	0.0000	1.42	Q				
40+10	0.0000	1.67	Q					45+20	0.0000	1.41	Q				
40+15	0.0000	1.67	Q					45+25	0.0000	1.41	Q				
40+20	0.0000	1.66	Q					45+30	0.0000	1.40	Q				
40+25	0.0000	1.66	Q					45+35	0.0000	1.40	Q				
40+30	0.0000	1.66	Q					45+40	0.0000	1.39	Q				
40+35	0.0000	1.65	Q					45+45	0.0000	1.39	Q				

45+50	0.0000	1.38	Q					51+ 0	0.0000	1.05	Q				
45+55	0.0000	1.38	Q					51+ 5	0.0000	1.05	Q				
46+ 0	0.0000	1.37	Q					51+10	0.0000	1.04	Q				
46+ 5	0.0000	1.36	Q					51+15	0.0000	1.03	Q				
46+10	0.0000	1.36	Q					51+20	0.0000	1.02	Q				
46+15	0.0000	1.35	Q					51+25	0.0000	1.01	Q				
46+20	0.0000	1.35	Q					51+30	0.0000	1.00	Q				
46+25	0.0000	1.34	Q					51+35	0.0000	1.00	Q				
46+30	0.0000	1.34	Q					51+40	0.0000	0.99	Q				
46+35	0.0000	1.33	Q					51+45	0.0000	0.98	Q				
46+40	0.0000	1.33	Q					51+50	0.0000	0.97	Q				
46+45	0.0000	1.32	Q					51+55	0.0000	0.96	Q				
46+50	0.0000	1.32	Q					52+ 0	0.0000	0.96	Q				
46+55	0.0000	1.31	Q					52+ 5	0.0000	0.95	Q				
47+ 0	0.0000	1.31	Q					52+10	0.0000	0.94	Q				
47+ 5	0.0000	1.30	Q					52+15	0.0000	0.93	Q				
47+10	0.0000	1.30	Q					52+20	0.0000	0.92	Q				
47+15	0.0000	1.29	Q					52+25	0.0000	0.92	Q				
47+20	0.0000	1.29	Q					52+30	0.0000	0.91	Q				
47+25	0.0000	1.28	Q					52+35	0.0000	0.90	Q				
47+30	0.0000	1.28	Q					52+40	0.0000	0.89	Q				
47+35	0.0000	1.27	Q					52+45	0.0000	0.89	Q				
47+40	0.0000	1.27	Q					52+50	0.0000	0.88	Q				
47+45	0.0000	1.26	Q					52+55	0.0000	0.87	Q				
47+50	0.0000	1.26	Q					53+ 0	0.0000	0.87	Q				
47+55	0.0000	1.25	Q					53+ 5	0.0000	0.86	Q				
48+ 0	0.0000	1.25	Q					53+10	0.0000	0.85	Q				
48+ 5	0.0000	1.24	Q					53+15	0.0000	0.84	Q				
48+10	0.0000	1.24	Q					53+20	0.0000	0.84	Q				
48+15	0.0000	1.24	Q					53+25	0.0000	0.83	Q				
48+20	0.0000	1.23	Q					53+30	0.0000	0.82	Q				
48+25	0.0000	1.23	Q					53+35	0.0000	0.82	Q				
48+30	0.0000	1.22	Q					53+40	0.0000	0.81	Q				
48+35	0.0000	1.22	Q					53+45	0.0000	0.80	Q				
48+40	0.0000	1.21	Q					53+50	0.0000	0.80	Q				
48+45	0.0000	1.21	Q					53+55	0.0000	0.79	Q				
48+50	0.0000	1.20	Q					54+ 0	0.0000	0.78	Q				
48+55	0.0000	1.20	Q					54+ 5	0.0000	0.78	Q				
49+ 0	0.0000	1.19	Q					54+10	0.0000	0.77	Q				
49+ 5	0.0000	1.19	Q					54+15	0.0000	0.76	Q				
49+10	0.0000	1.18	Q					54+20	0.0000	0.76	Q				
49+15	0.0000	1.18	Q					54+25	0.0000	0.75	Q				
49+20	0.0000	1.18	Q					54+30	0.0000	0.75	Q				
49+25	0.0000	1.17	Q					54+35	0.0000	0.74	Q				
49+30	0.0000	1.17	Q					54+40	0.0000	0.73	Q				
49+35	0.0000	1.16	Q					54+45	0.0000	0.73	Q				
49+40	0.0000	1.16	Q					54+50	0.0000	0.72	Q				
49+45	0.0000	1.15	Q					54+55	0.0000	0.72	Q				
49+50	0.0000	1.15	Q					55+ 0	0.0000	0.71	Q				
49+55	0.0000	1.14	Q					55+ 5	0.0000	0.70	Q				
50+ 0	0.0000	1.14	Q					55+10	0.0000	0.70	Q				
50+ 5	0.0000	1.14	Q					55+15	0.0000	0.69	Q				
50+10	0.0000	1.13	Q					55+20	0.0000	0.69	Q				
50+15	0.0000	1.13	Q					55+25	0.0000	0.68	Q				
50+20	0.0000	1.12	Q					55+30	0.0000	0.68	Q				
50+25	0.0000	1.12	Q					55+35	0.0000	0.67	Q				
50+30	0.0000	1.11	Q					55+40	0.0000	0.66	Q				
50+35	0.0000	1.10	Q					55+45	0.0000	0.66	Q				
50+40	0.0000	1.09	Q					55+50	0.0000	0.65	Q				
50+45	0.0000	1.08	Q					55+55	0.0000	0.65	Q				
50+50	0.0000	1.07	Q					56+ 0	0.0000	0.64	Q				
50+55	0.0000	1.06	Q					56+ 5	0.0000	0.64	Q				

56+10	0.0000	0.63	Q					61+20	0.0000	0.49	Q				
56+15	0.0000	0.63	Q					61+25	0.0000	0.49	Q				
56+20	0.0000	0.62	Q					61+30	0.0000	0.49	Q				
56+25	0.0000	0.62	Q					61+35	0.0000	0.49	Q				
56+30	0.0000	0.61	Q					61+40	0.0000	0.49	Q				
56+35	0.0000	0.61	Q					61+45	0.0000	0.48	Q				
56+40	0.0000	0.60	Q					61+50	0.0000	0.48	Q				
56+45	0.0000	0.60	Q					61+55	0.0000	0.48	Q				
56+50	0.0000	0.59	Q					62+ 0	0.0000	0.48	Q				
56+55	0.0000	0.59	Q					62+ 5	0.0000	0.48	Q				
57+ 0	0.0000	0.58	Q					62+10	0.0000	0.48	Q				
57+ 5	0.0000	0.58	Q					62+15	0.0000	0.47	Q				
57+10	0.0000	0.58	Q					62+20	0.0000	0.47	Q				
57+15	0.0000	0.58	Q					62+25	0.0000	0.47	Q				
57+20	0.0000	0.57	Q					62+30	0.0000	0.47	Q				
57+25	0.0000	0.57	Q					62+35	0.0000	0.47	Q				
57+30	0.0000	0.57	Q					62+40	0.0000	0.47	Q				
57+35	0.0000	0.57	Q					62+45	0.0000	0.47	Q				
57+40	0.0000	0.57	Q					62+50	0.0000	0.46	Q				
57+45	0.0000	0.56	Q					62+55	0.0000	0.46	Q				
57+50	0.0000	0.56	Q					63+ 0	0.0000	0.46	Q				
57+55	0.0000	0.56	Q					63+ 5	0.0000	0.46	Q				
58+ 0	0.0000	0.56	Q					63+10	0.0000	0.46	Q				
58+ 5	0.0000	0.56	Q					63+15	0.0000	0.46	Q				
58+10	0.0000	0.56	Q					63+20	0.0000	0.45	Q				
58+15	0.0000	0.55	Q					63+25	0.0000	0.45	Q				
58+20	0.0000	0.55	Q					63+30	0.0000	0.45	Q				
58+25	0.0000	0.55	Q					63+35	0.0000	0.45	Q				
58+30	0.0000	0.55	Q					63+40	0.0000	0.45	Q				
58+35	0.0000	0.55	Q					63+45	0.0000	0.45	Q				
58+40	0.0000	0.54	Q					63+50	0.0000	0.45	Q				
58+45	0.0000	0.54	Q					63+55	0.0000	0.44	Q				
58+50	0.0000	0.54	Q					64+ 0	0.0000	0.44	Q				
58+55	0.0000	0.54	Q					64+ 5	0.0000	0.44	Q				
59+ 0	0.0000	0.54	Q					64+10	0.0000	0.44	Q				
59+ 5	0.0000	0.54	Q					64+15	0.0000	0.44	Q				
59+10	0.0000	0.53	Q					64+20	0.0000	0.44	Q				
59+15	0.0000	0.53	Q					64+25	0.0000	0.44	Q				
59+20	0.0000	0.53	Q					64+30	0.0000	0.43	Q				
59+25	0.0000	0.53	Q					64+35	0.0000	0.43	Q				
59+30	0.0000	0.53	Q					64+40	0.0000	0.43	Q				
59+35	0.0000	0.53	Q					64+45	0.0000	0.43	Q				
59+40	0.0000	0.52	Q					64+50	0.0000	0.43	Q				
59+45	0.0000	0.52	Q					64+55	0.0000	0.43	Q				
59+50	0.0000	0.52	Q					65+ 0	0.0000	0.43	Q				
59+55	0.0000	0.52	Q					65+ 5	0.0000	0.42	Q				
60+ 0	0.0000	0.52	Q					65+10	0.0000	0.42	Q				
60+ 5	0.0000	0.52	Q					65+15	0.0000	0.42	Q				
60+10	0.0000	0.51	Q					65+20	0.0000	0.42	Q				
60+15	0.0000	0.51	Q					65+25	0.0000	0.42	Q				
60+20	0.0000	0.51	Q					65+30	0.0000	0.42	Q				
60+25	0.0000	0.51	Q					65+35	0.0000	0.42	Q				
60+30	0.0000	0.51	Q					65+40	0.0000	0.42	Q				
60+35	0.0000	0.51	Q					65+45	0.0000	0.41	Q				
60+40	0.0000	0.50	Q					65+50	0.0000	0.41	Q				
60+45	0.0000	0.50	Q					65+55	0.0000	0.41	Q				
60+50	0.0000	0.50	Q					66+ 0	0.0000	0.41	Q				
60+55	0.0000	0.50	Q					66+ 5	0.0000	0.41	Q				
61+ 0	0.0000	0.50	Q					66+10	0.0000	0.41	Q				
61+ 5	0.0000	0.50	Q					66+15	0.0000	0.41	Q				
61+10	0.0000	0.49	Q					66+20	0.0000	0.40	Q				
61+15	0.0000	0.49	Q					66+25	0.0000	0.40	Q				

66+30	0.0000	0.40	Q					71+40	0.0000	0.24	Q				
66+35	0.0000	0.40	Q					71+45	0.0000	0.24	Q				
66+40	0.0000	0.40	Q					71+50	0.0000	0.23	Q				
66+45	0.0000	0.40	Q					71+55	0.0000	0.23	Q				
66+50	0.0000	0.39	Q					72+ 0	0.0000	0.23	Q				
66+55	0.0000	0.39	Q					72+ 5	0.0000	0.23	Q				
67+ 0	0.0000	0.39	Q					72+10	0.0000	0.23	Q				
67+ 5	0.0000	0.38	Q					72+15	0.0000	0.22	Q				
67+10	0.0000	0.38	Q					72+20	0.0000	0.22	Q				
67+15	0.0000	0.38	Q					72+25	0.0000	0.22	Q				
67+20	0.0000	0.37	Q					72+30	0.0000	0.22	Q				
67+25	0.0000	0.37	Q					72+35	0.0000	0.22	Q				
67+30	0.0000	0.37	Q					72+40	0.0000	0.21	Q				
67+35	0.0000	0.36	Q					72+45	0.0000	0.21	Q				
67+40	0.0000	0.36	Q					72+50	0.0000	0.21	Q				
67+45	0.0000	0.36	Q					72+55	0.0000	0.21	Q				
67+50	0.0000	0.35	Q					73+ 0	0.0000	0.21	Q				
67+55	0.0000	0.35	Q					73+ 5	0.0000	0.21	Q				
68+ 0	0.0000	0.35	Q					73+10	0.0000	0.20	Q				
68+ 5	0.0000	0.34	Q					73+15	0.0000	0.20	Q				
68+10	0.0000	0.34	Q					73+20	0.0000	0.20	Q				
68+15	0.0000	0.34	Q					73+25	0.0000	0.20	Q				
68+20	0.0000	0.34	Q					73+30	0.0000	0.20	Q				
68+25	0.0000	0.33	Q					73+35	0.0000	0.19	Q				
68+30	0.0000	0.33	Q					73+40	0.0000	0.19	Q				
68+35	0.0000	0.33	Q					73+45	0.0000	0.19	Q				
68+40	0.0000	0.32	Q					73+50	0.0000	0.19	Q				
68+45	0.0000	0.32	Q					73+55	0.0000	0.19	Q				
68+50	0.0000	0.32	Q					74+ 0	0.0000	0.19	Q				
68+55	0.0000	0.32	Q					74+ 5	0.0000	0.19	Q				
69+ 0	0.0000	0.31	Q					74+10	0.0000	0.18	Q				
69+ 5	0.0000	0.31	Q					74+15	0.0000	0.18	Q				
69+10	0.0000	0.31	Q					74+20	0.0000	0.18	Q				
69+15	0.0000	0.31	Q					74+25	0.0000	0.18	Q				
69+20	0.0000	0.30	Q					74+30	0.0000	0.18	Q				
69+25	0.0000	0.30	Q					74+35	0.0000	0.18	Q				
69+30	0.0000	0.30	Q					74+40	0.0000	0.17	Q				
69+35	0.0000	0.29	Q					74+45	0.0000	0.17	Q				
69+40	0.0000	0.29	Q					74+50	0.0000	0.17	Q				
69+45	0.0000	0.29	Q					74+55	0.0000	0.17	Q				
69+50	0.0000	0.29	Q					75+ 0	0.0000	0.17	Q				
69+55	0.0000	0.28	Q					75+ 5	0.0000	0.17	Q				
70+ 0	0.0000	0.28	Q					75+10	0.0000	0.17	Q				
70+ 5	0.0000	0.28	Q					75+15	0.0000	0.16	Q				
70+10	0.0000	0.28	Q					75+20	0.0000	0.16	Q				
70+15	0.0000	0.28	Q					75+25	0.0000	0.16	Q				
70+20	0.0000	0.27	Q					75+30	0.0000	0.16	Q				
70+25	0.0000	0.27	Q					75+35	0.0000	0.16	Q				
70+30	0.0000	0.27	Q					75+40	0.0000	0.16	Q				
70+35	0.0000	0.27	Q					75+45	0.0000	0.16	Q				
70+40	0.0000	0.26	Q					75+50	0.0000	0.15	Q				
70+45	0.0000	0.26	Q					75+55	0.0000	0.15	Q				
70+50	0.0000	0.26	Q					76+ 0	0.0000	0.15	Q				
70+55	0.0000	0.26	Q					76+ 5	0.0000	0.15	Q				
71+ 0	0.0000	0.25	Q					76+10	0.0000	0.15	Q				
71+ 5	0.0000	0.25	Q					76+15	0.0000	0.15	Q				
71+10	0.0000	0.25	Q					76+20	0.0000	0.15	Q				
71+15	0.0000	0.25	Q					76+25	0.0000	0.15	Q				
71+20	0.0000	0.25	Q					76+30	0.0000	0.14	Q				
71+25	0.0000	0.24	Q					76+35	0.0000	0.14	Q				
71+30	0.0000	0.24	Q					76+40	0.0000	0.14	Q				
71+35	0.0000	0.24	Q					76+45	0.0000	0.14	Q				

76+50	0.0000	0.14	Q					82+ 0	0.0000	0.08	Q				
76+55	0.0000	0.14	Q					82+ 5	0.0000	0.08	Q				
77+ 0	0.0000	0.14	Q					82+10	0.0000	0.08	Q				
77+ 5	0.0000	0.14	Q					82+15	0.0000	0.08	Q				
77+10	0.0000	0.13	Q					82+20	0.0000	0.08	Q				
77+15	0.0000	0.13	Q					82+25	0.0000	0.08	Q				
77+20	0.0000	0.13	Q					82+30	0.0000	0.08	Q				
77+25	0.0000	0.13	Q					82+35	0.0000	0.08	Q				
77+30	0.0000	0.13	Q					82+40	0.0000	0.08	Q				
77+35	0.0000	0.13	Q					82+45	0.0000	0.08	Q				
77+40	0.0000	0.13	Q					82+50	0.0000	0.07	Q				
77+45	0.0000	0.13	Q					82+55	0.0000	0.07	Q				
77+50	0.0000	0.13	Q					83+ 0	0.0000	0.07	Q				
77+55	0.0000	0.12	Q					83+ 5	0.0000	0.07	Q				
78+ 0	0.0000	0.12	Q					83+10	0.0000	0.07	Q				
78+ 5	0.0000	0.12	Q					83+15	0.0000	0.07	Q				
78+10	0.0000	0.12	Q					83+20	0.0000	0.07	Q				
78+15	0.0000	0.12	Q					83+25	0.0000	0.07	Q				
78+20	0.0000	0.12	Q					83+30	0.0000	0.07	Q				
78+25	0.0000	0.12	Q					83+35	0.0000	0.07	Q				
78+30	0.0000	0.12	Q					83+40	0.0000	0.07	Q				
78+35	0.0000	0.12	Q					83+45	0.0000	0.07	Q				
78+40	0.0000	0.12	Q					83+50	0.0000	0.07	Q				
78+45	0.0000	0.11	Q					83+55	0.0000	0.07	Q				
78+50	0.0000	0.11	Q					84+ 0	0.0000	0.07	Q				
78+55	0.0000	0.11	Q					84+ 5	0.0000	0.07	Q				
79+ 0	0.0000	0.11	Q					84+10	0.0000	0.07	Q				
79+ 5	0.0000	0.11	Q					84+15	0.0000	0.06	Q				
79+10	0.0000	0.11	Q					84+20	0.0000	0.06	Q				
79+15	0.0000	0.11	Q					84+25	0.0000	0.06	Q				
79+20	0.0000	0.11	Q					84+30	0.0000	0.06	Q				
79+25	0.0000	0.11	Q					84+35	0.0000	0.06	Q				
79+30	0.0000	0.11	Q					84+40	0.0000	0.06	Q				
79+35	0.0000	0.10	Q					84+45	0.0000	0.06	Q				
79+40	0.0000	0.10	Q					84+50	0.0000	0.06	Q				
79+45	0.0000	0.10	Q					84+55	0.0000	0.06	Q				
79+50	0.0000	0.10	Q					85+ 0	0.0000	0.06	Q				
79+55	0.0000	0.10	Q					85+ 5	0.0000	0.06	Q				
80+ 0	0.0000	0.10	Q					85+10	0.0000	0.06	Q				
80+ 5	0.0000	0.10	Q					85+15	0.0000	0.06	Q				
80+10	0.0000	0.10	Q					85+20	0.0000	0.06	Q				
80+15	0.0000	0.10	Q					85+25	0.0000	0.06	Q				
80+20	0.0000	0.10	Q					85+30	0.0000	0.06	Q				
80+25	0.0000	0.10	Q					85+35	0.0000	0.06	Q				
80+30	0.0000	0.10	Q					85+40	0.0000	0.06	Q				
80+35	0.0000	0.09	Q					85+45	0.0000	0.06	Q				
80+40	0.0000	0.09	Q					85+50	0.0000	0.05	Q				
80+45	0.0000	0.09	Q					85+55	0.0000	0.05	Q				
80+50	0.0000	0.09	Q					86+ 0	0.0000	0.05	Q				
80+55	0.0000	0.09	Q					86+ 5	0.0000	0.05	Q				
81+ 0	0.0000	0.09	Q					86+10	0.0000	0.05	Q				
81+ 5	0.0000	0.09	Q					86+15	0.0000	0.05	Q				
81+10	0.0000	0.09	Q					86+20	0.0000	0.05	Q				
81+15	0.0000	0.09	Q					86+25	0.0000	0.05	Q				
81+20	0.0000	0.09	Q					86+30	0.0000	0.05	Q				
81+25	0.0000	0.09	Q					86+35	0.0000	0.05	Q				
81+30	0.0000	0.09	Q					86+40	0.0000	0.05	Q				
81+35	0.0000	0.09	Q					86+45	0.0000	0.05	Q				
81+40	0.0000	0.08	Q					86+50	0.0000	0.05	Q				
81+45	0.0000	0.08	Q					86+55	0.0000	0.05	Q				
81+50	0.0000	0.08	Q					87+ 0	0.0000	0.05	Q				
81+55	0.0000	0.08	Q					87+ 5	0.0000	0.05	Q				

87+10	0.0000	0.05	Q					92+20	0.0000	0.03	Q				
87+15	0.0000	0.05	Q					92+25	0.0000	0.03	Q				
87+20	0.0000	0.05	Q					92+30	0.0000	0.03	Q				
87+25	0.0000	0.05	Q					92+35	0.0000	0.03	Q				
87+30	0.0000	0.05	Q					92+40	0.0000	0.03	Q				
87+35	0.0000	0.05	Q					92+45	0.0000	0.03	Q				
87+40	0.0000	0.05	Q					92+50	0.0000	0.03	Q				
87+45	0.0000	0.04	Q					92+55	0.0000	0.03	Q				
87+50	0.0000	0.04	Q					93+ 0	0.0000	0.03	Q				
87+55	0.0000	0.04	Q					93+ 5	0.0000	0.03	Q				
88+ 0	0.0000	0.04	Q					93+10	0.0000	0.03	Q				
88+ 5	0.0000	0.04	Q					93+15	0.0000	0.03	Q				
88+10	0.0000	0.04	Q					93+20	0.0000	0.03	Q				
88+15	0.0000	0.04	Q					93+25	0.0000	0.02	Q				
88+20	0.0000	0.04	Q					93+30	0.0000	0.02	Q				
88+25	0.0000	0.04	Q					93+35	0.0000	0.02	Q				
88+30	0.0000	0.04	Q					93+40	0.0000	0.02	Q				
88+35	0.0000	0.04	Q					93+45	0.0000	0.02	Q				
88+40	0.0000	0.04	Q					93+50	0.0000	0.02	Q				
88+45	0.0000	0.04	Q					93+55	0.0000	0.02	Q				
88+50	0.0000	0.04	Q					94+ 0	0.0000	0.02	Q				
88+55	0.0000	0.04	Q					94+ 5	0.0000	0.02	Q				
89+ 0	0.0000	0.04	Q					94+10	0.0000	0.02	Q				
89+ 5	0.0000	0.04	Q					94+15	0.0000	0.02	Q				
89+10	0.0000	0.04	Q					94+20	0.0000	0.02	Q				
89+15	0.0000	0.04	Q					94+25	0.0000	0.02	Q				
89+20	0.0000	0.04	Q					94+30	0.0000	0.02	Q				
89+25	0.0000	0.04	Q					94+35	0.0000	0.02	Q				
89+30	0.0000	0.04	Q					94+40	0.0000	0.02	Q				
89+35	0.0000	0.04	Q					94+45	0.0000	0.02	Q				
89+40	0.0000	0.04	Q					94+50	0.0000	0.02	Q				
89+45	0.0000	0.04	Q					94+55	0.0000	0.02	Q				
89+50	0.0000	0.04	Q					95+ 0	0.0000	0.02	Q				
89+55	0.0000	0.04	Q					95+ 5	0.0000	0.02	Q				
90+ 0	0.0000	0.04	Q					95+10	0.0000	0.02	Q				
90+ 5	0.0000	0.04	Q					95+15	0.0000	0.02	Q				
90+10	0.0000	0.03	Q					95+20	0.0000	0.02	Q				
90+15	0.0000	0.03	Q					95+25	0.0000	0.02	Q				
90+20	0.0000	0.03	Q					95+30	0.0000	0.02	Q				
90+25	0.0000	0.03	Q					95+35	0.0000	0.02	Q				
90+30	0.0000	0.03	Q					95+40	0.0000	0.02	Q				
90+35	0.0000	0.03	Q					95+45	0.0000	0.02	Q				
90+40	0.0000	0.03	Q					95+50	0.0000	0.02	Q				
90+45	0.0000	0.03	Q					95+55	0.0000	0.02	Q				
90+50	0.0000	0.03	Q					96+ 0	0.0000	0.02	Q				
90+55	0.0000	0.03	Q					96+ 5	0.0000	0.02	Q				
91+ 0	0.0000	0.03	Q					96+10	0.0000	0.02	Q				
91+ 5	0.0000	0.03	Q					96+15	0.0000	0.02	Q				
91+10	0.0000	0.03	Q					96+20	0.0000	0.02	Q				
91+15	0.0000	0.03	Q					96+25	0.0000	0.02	Q				
91+20	0.0000	0.03	Q					96+30	0.0000	0.02	Q				
91+25	0.0000	0.03	Q					96+35	0.0000	0.02	Q				
91+30	0.0000	0.03	Q					96+40	0.0000	0.02	Q				
91+35	0.0000	0.03	Q					96+45	0.0000	0.02	Q				
91+40	0.0000	0.03	Q					96+50	0.0000	0.02	Q				
91+45	0.0000	0.03	Q					96+55	0.0000	0.02	Q				
91+50	0.0000	0.03	Q					97+ 0	0.0000	0.02	Q				
91+55	0.0000	0.03	Q					97+ 5	0.0000	0.02	Q				
92+ 0	0.0000	0.03	Q					97+10	0.0000	0.02	Q				
92+ 5	0.0000	0.03	Q					97+15	0.0000	0.02	Q				
92+10	0.0000	0.03	Q					97+20	0.0000	0.02	Q				
92+15	0.0000	0.03	Q					97+25	0.0000	0.02	Q				

97+30	0.0000	0.02	Q					102+40	0.0000	0.01	Q				
97+35	0.0000	0.02	Q					102+45	0.0000	0.01	Q				
97+40	0.0000	0.02	Q					102+50	0.0000	0.01	Q				
97+45	0.0000	0.02	Q					102+55	0.0000	0.01	Q				
97+50	0.0000	0.02	Q					103+ 0	0.0000	0.01	Q				
97+55	0.0000	0.02	Q					103+ 5	0.0000	0.01	Q				
98+ 0	0.0000	0.02	Q					103+10	0.0000	0.01	Q				
98+ 5	0.0000	0.02	Q					103+15	0.0000	0.01	Q				
98+10	0.0000	0.02	Q					103+20	0.0000	0.01	Q				
98+15	0.0000	0.02	Q					103+25	0.0000	0.01	Q				
98+20	0.0000	0.01	Q					103+30	0.0000	0.01	Q				
98+25	0.0000	0.01	Q					103+35	0.0000	0.01	Q				
98+30	0.0000	0.01	Q					103+40	0.0000	0.01	Q				
98+35	0.0000	0.01	Q					103+45	0.0000	0.01	Q				
98+40	0.0000	0.01	Q					103+50	0.0000	0.01	Q				
98+45	0.0000	0.01	Q					103+55	0.0000	0.01	Q				
98+50	0.0000	0.01	Q					104+ 0	0.0000	0.01	Q				
98+55	0.0000	0.01	Q					104+ 5	0.0000	0.01	Q				
99+ 0	0.0000	0.01	Q					104+10	0.0000	0.01	Q				
99+ 5	0.0000	0.01	Q					104+15	0.0000	0.01	Q				
99+10	0.0000	0.01	Q					104+20	0.0000	0.01	Q				
99+15	0.0000	0.01	Q					104+25	0.0000	0.01	Q				
99+20	0.0000	0.01	Q					104+30	0.0000	0.01	Q				
99+25	0.0000	0.01	Q					104+35	0.0000	0.01	Q				
99+30	0.0000	0.01	Q					104+40	0.0000	0.01	Q				
99+35	0.0000	0.01	Q					104+45	0.0000	0.01	Q				
99+40	0.0000	0.01	Q					104+50	0.0000	0.01	Q				
99+45	0.0000	0.01	Q					104+55	0.0000	0.01	Q				
99+50	0.0000	0.01	Q					105+ 0	0.0000	0.01	Q				
99+55	0.0000	0.01	Q					105+ 5	0.0000	0.01	Q				
100+ 0	0.0000	0.01	Q					105+10	0.0000	0.01	Q				
100+ 5	0.0000	0.01	Q					105+15	0.0000	0.01	Q				
100+10	0.0000	0.01	Q					105+20	0.0000	0.01	Q				
100+15	0.0000	0.01	Q					105+25	0.0000	0.01	Q				
100+20	0.0000	0.01	Q					105+30	0.0000	0.01	Q				
100+25	0.0000	0.01	Q					105+35	0.0000	0.01	Q				
100+30	0.0000	0.01	Q					105+40	0.0000	0.01	Q				
100+35	0.0000	0.01	Q					105+45	0.0000	0.01	Q				
100+40	0.0000	0.01	Q					105+50	0.0000	0.01	Q				
100+45	0.0000	0.01	Q					105+55	0.0000	0.01	Q				
100+50	0.0000	0.01	Q					106+ 0	0.0000	0.01	Q				
100+55	0.0000	0.01	Q					106+ 5	0.0000	0.01	Q				
101+ 0	0.0000	0.01	Q					106+10	0.0000	0.01	Q				
101+ 5	0.0000	0.01	Q					106+15	0.0000	0.01	Q				
101+10	0.0000	0.01	Q					106+20	0.0000	0.01	Q				
101+15	0.0000	0.01	Q					106+25	0.0000	0.01	Q				
101+20	0.0000	0.01	Q					106+30	0.0000	0.01	Q				
101+25	0.0000	0.01	Q					106+35	0.0000	0.01	Q				
101+30	0.0000	0.01	Q					106+40	0.0000	0.01	Q				
101+35	0.0000	0.01	Q					106+45	0.0000	0.01	Q				
101+40	0.0000	0.01	Q					106+50	0.0000	0.01	Q				
101+45	0.0000	0.01	Q					106+55	0.0000	0.01	Q				
101+50	0.0000	0.01	Q					107+ 0	0.0000	0.01	Q				
101+55	0.0000	0.01	Q					107+ 5	0.0000	0.01	Q				
102+ 0	0.0000	0.01	Q					107+10	0.0000	0.01	Q				
102+ 5	0.0000	0.01	Q					107+15	0.0000	0.01	Q				
102+10	0.0000	0.01	Q					107+20	0.0000	0.01	Q				
102+15	0.0000	0.01	Q					107+25	0.0000	0.01	Q				
102+20	0.0000	0.01	Q					107+30	0.0000	0.01	Q				
102+25	0.0000	0.01	Q					107+35	0.0000	0.01	Q				
102+30	0.0000	0.01	Q					107+40	0.0000	0.01	Q				
102+35	0.0000	0.01	Q					107+45	0.0000	0.01	Q				

107+50	0.0000	0.01	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.01	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.01	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.01	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.01	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.01	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.01	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.01	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.01	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.01	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.01	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.01	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.01	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.01	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				

118+10	0.0000	0.00	Q				
118+15	0.0000	0.00	Q				
118+20	0.0000	0.00	Q				
118+25	0.0000	0.00	Q				
118+30	0.0000	0.00	Q				
118+35	0.0000	0.00	Q				
118+40	0.0000	0.00	Q				
118+45	0.0000	0.00	Q				
118+50	0.0000	0.00	Q				
118+55	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q				
119+10	0.0000	0.00	Q				
119+15	0.0000	0.00	Q				
119+20	0.0000	0.00	Q				
119+25	0.0000	0.00	Q				
119+30	0.0000	0.00	Q				
119+35	0.0000	0.00	Q				
119+40	0.0000	0.00	Q				
119+45	0.0000	0.00	Q				
119+50	0.0000	0.00	Q				
119+55	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q				
120+10	0.0000	0.00	Q				
120+15	0.0000	0.00	Q				
120+20	0.0000	0.00	Q				
120+25	0.0000	0.00	Q				
120+30	0.0000	0.00	Q				
120+35	0.0000	0.00	Q				
120+40	0.0000	0.00	Q				
120+45	0.0000	0.00	Q				
120+50	0.0000	0.00	Q				
120+55	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q				
121+10	0.0000	0.00	Q				
121+15	0.0000	0.00	Q				
121+20	0.0000	0.00	Q				
121+25	0.0000	0.00	Q				
121+30	0.0000	0.00	Q				
121+35	0.0000	0.00	Q				
121+40	0.0000	0.00	Q				
121+45	0.0000	0.00	Q				
121+50	0.0000	0.00	Q				
121+55	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q				
122+10	0.0000	0.00	Q				
122+15	0.0000	0.00	Q				
122+20	0.0000	0.00	Q				
122+25	0.0000	0.00	Q				
122+30	0.0000	0.00	Q				
122+35	0.0000	0.00	Q				
122+40	0.0000	0.00	Q				
122+45	0.0000	0.00	Q				
122+50	0.0000	0.00	Q				
122+55	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q				
123+10	0.0000	0.00	Q				
123+15	0.0000	0.00	Q				
123+20	0.0000	0.00	Q				
123+25	0.0000	0.00	Q				
123+30	0.0000	0.00	Q				
123+35	0.0000	0.00	Q				
123+40	0.0000	0.00	Q				
123+45	0.0000	0.00	Q				
123+50	0.0000	0.00	Q				
123+55	0.0000	0.00	Q				
124+ 0	0.0000	0.00	Q				
124+ 5	0.0000	0.00	Q				
124+10	0.0000	0.00	Q				
124+15	0.0000	0.00	Q				
124+20	0.0000	0.00	Q				
124+25	0.0000	0.00	Q				
124+30	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 1494
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 348.715 (CFS)
Total volume = 49.003 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.215	36.978	1.786	0.000	0.000
Vol (Ac.Ft)	0.299	7.946	3.114	0.000	0.000

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Process from Point/Station 10.200 to Point/Station 10.960

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 1 the total
volume of 0.30 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	87.2	174.5	261.7	348.9
0+ 5	0.0001	0.27	Q				
0+10	0.0003	1.18	Q				
0+15	0.0006	2.99	Q				
0+20	0.0009	6.91	Q				
0+25	0.0012	9.81	qQ				
0+30	0.0015	11.44	qQ				
0+35	0.0019	12.68	qQ				
0+40	0.0022	13.81	qQ				
0+45	0.0026	15.14	qQ				
0+50	0.0030	16.05	qQ				
0+55	0.0033	16.65	qQ				
1+ 0	0.0037	17.16	qQ				
1+ 5	0.0041	17.69	q Q				
1+10	0.0045	18.28	q Q				
1+15	0.0050	19.19	q Q				

1+20	0.0054	19.81	q Q	|	|	|	|	6+30	0.2133	25.02	q Q	|	|	|	|
1+25	0.0058	20.19	q Q	|	|	|	|	6+35	0.2130	18.35	q Q	|	|	|	|
1+30	0.0063	20.50	q Q	|	|	|	|	6+40	0.2127	13.53	qQ	|	|	|	|
1+35	0.0067	20.75	q Q	|	|	|	|	6+45	0.2125	11.04	qQ	|	|	|	|
1+40	0.0071	20.96	q Q	|	|	|	|	6+50	0.2122	9.55	qQ	|	|	|	|
1+45	0.0076	21.15	q Q	|	|	|	|	6+55	0.2119	8.34	Q	|	|	|	|
1+50	0.0080	21.31	q Q	|	|	|	|	7+ 0	0.2117	7.31	Q	|	|	|	|
1+55	0.0084	21.41	q Q	|	|	|	|	7+ 5	0.2114	6.65	Q	|	|	|	|
2+ 0	0.0089	21.55	q Q	|	|	|	|	7+10	0.2111	5.88	Q	|	|	|	|
2+ 5	0.0093	21.73	q Q	|	|	|	|	7+15	0.2109	4.91	Q	|	|	|	|
2+10	0.0098	21.99	q Q	|	|	|	|	7+20	0.2106	4.21	Q	|	|	|	|
2+15	0.0103	22.60	q Q	|	|	|	|	7+25	0.2103	3.67	Q	|	|	|	|
2+20	0.0109	22.69	q Q	|	|	|	|	7+30	0.2101	3.30	Q	|	|	|	|
2+25	0.0114	23.24	q Q	|	|	|	|	7+35	0.2097	3.07	Q	|	|	|	|
2+30	0.0120	23.64	q Q	|	|	|	|	7+40	0.2093	3.00	Q	|	|	|	|
2+35	0.0125	23.86	q Q	|	|	|	|	7+45	0.2089	2.98	Q	|	|	|	|
2+40	0.0131	24.02	q Q	|	|	|	|	7+50	0.2085	2.96	Q	|	|	|	|
2+45	0.0137	24.21	q Q	|	|	|	|	7+55	0.2081	2.95	Q	|	|	|	|
2+50	0.0143	24.49	q Q	|	|	|	|	8+ 0	0.2078	2.94	Q	|	|	|	|
2+55	0.0149	24.90	q Q	|	|	|	|	8+ 5	0.2074	2.94	Q	|	|	|	|
3+ 0	0.0156	25.69	q Q	|	|	|	|	8+10	0.2070	2.94	Q	|	|	|	|
3+ 5	0.0163	26.18	q Q	|	|	|	|	8+15	0.2066	2.93	Q	|	|	|	|
3+10	0.0170	26.62	q Q	|	|	|	|	8+20	0.2062	2.93	Q	|	|	|	|
3+15	0.0178	27.37	q Q	|	|	|	|	8+25	0.2058	2.93	Q	|	|	|	|
3+20	0.0186	28.55	q Q	|	|	|	|	8+30	0.2054	2.93	Q	|	|	|	|
3+25	0.0194	31.20	q Q	|	|	|	|	8+35	0.2051	2.92	Q	|	|	|	|
3+30	0.0204	33.64	q Q	|	|	|	|	8+40	0.2047	2.92	Q	|	|	|	|
3+35	0.0215	36.79	q Q	|	|	|	|	8+45	0.2043	2.92	Q	|	|	|	|
3+40	0.0228	42.58	q Q	|	|	|	|	8+50	0.2039	2.92	Q	|	|	|	|
3+45	0.0242	49.59	q Q	|	|	|	|	8+55	0.2035	2.91	Q	|	|	|	|
3+50	0.0258	56.56	q Q	|	|	|	|	9+ 0	0.2031	2.91	Q	|	|	|	|
3+55	0.0274	61.96	q Q	|	|	|	|	9+ 5	0.2028	2.91	Q	|	|	|	|
4+ 0	0.0291	68.14	q Q	|	|	|	|	9+10	0.2024	2.91	Q	|	|	|	|
4+ 5	0.0310	73.40	q Q	|	|	|	|	9+15	0.2020	2.90	Q	|	|	|	|
4+10	0.0330	79.76	q Q	|	|	|	|	9+20	0.2016	2.90	Q	|	|	|	|
4+15	0.0351	85.73	q Q	|	|	|	|	9+25	0.2013	2.90	Q	|	|	|	|
4+20	0.0375	93.45	q Q	|	|	|	|	9+30	0.2009	2.90	Q	|	|	|	|
4+25	0.0400	102.48	q Q	|	|	|	|	9+35	0.2005	2.89	Q	|	|	|	|
4+30	0.0427	111.81	q Q	|	|	|	|	9+40	0.2001	2.89	Q	|	|	|	|
4+35	0.0456	121.02	q Q	|	|	|	|	9+45	0.1998	2.89	Q	|	|	|	|
4+40	0.0486	129.81	q Q	|	|	|	|	9+50	0.1994	2.89	Q	|	|	|	|
4+45	0.0545	137.13	q Q	|	|	|	|	9+55	0.1990	2.88	Q	|	|	|	|
4+50	0.0631	145.65	q Q	|	|	|	|	10+ 0	0.1986	2.88	Q	|	|	|	|
4+55	0.0720	154.70	q Q	|	|	|	|	10+ 5	0.1983	2.88	Q	|	|	|	|
5+ 0	0.0813	163.48	q Q	|	|	|	|	10+10	0.1979	2.88	Q	|	|	|	|
5+ 5	0.0914	171.74	q Q	|	|	|	|	10+15	0.1975	2.87	Q	|	|	|	|
5+10	0.1030	184.32	q Q	|	|	|	|	10+20	0.1972	2.87	Q	|	|	|	|
5+15	0.1164	203.02	q Q	|	|	|	|	10+25	0.1968	2.87	Q	|	|	|	|
5+20	0.1317	232.95	q Q	|	|	|	|	10+30	0.1964	2.87	Q	|	|	|	|
5+25	0.1490	268.24	q Q	|	|	|	|	10+35	0.1960	2.87	Q	|	|	|	|
5+30	0.1690	303.71	q Q	|	|	|	|	10+40	0.1957	2.86	Q	|	|	|	|
5+35	0.1875	333.46	q Q	|	|	|	|	10+45	0.1953	2.86	Q	|	|	|	|
5+40	0.2010	348.92	q Q	|	|	|	|	10+50	0.1950	2.86	Q	|	|	|	|
5+45	0.2102	342.10	q Q	|	|	|	|	10+55	0.1946	2.86	Q	|	|	|	|
5+50	0.2134	245.60	q Q	|	|	|	|	11+ 0	0.1942	2.85	Q	|	|	|	|
5+55	0.2143	166.10	q Q	|	|	|	|	11+ 5	0.1939	2.85	Q	|	|	|	|
6+ 0	0.2146	124.51	q Q	|	|	|	|	11+10	0.1935	2.85	Q	|	|	|	|
6+ 5	0.2145	97.47	q Q	|	|	|	|	11+15	0.1931	2.85	Q	|	|	|	|
6+10	0.2143	76.39	q Q	|	|	|	|	11+20	0.1928	2.84	Q	|	|	|	|
6+15	0.2141	59.20	q Q	|	|	|	|	11+25	0.1924	2.84	Q	|	|	|	|
6+20	0.2138	44.87	q Q	|	|	|	|	11+30	0.1921	2.84	Q	|	|	|	|
6+25	0.2135	33.63	q Q	|	|	|	|	11+35	0.1917	2.84	Q	|	|	|	|

11+40	0.1913	2.83	Q					16+50	0.1704	2.68	Q				
11+45	0.1910	2.83	Q					16+55	0.1701	2.68	Q				
11+50	0.1906	2.83	Q					17+ 0	0.1697	2.68	Q				
11+55	0.1903	2.83	Q					17+ 5	0.1694	2.67	Q				
12+ 0	0.1899	2.82	Q					17+10	0.1691	2.67	Q				
12+ 5	0.1896	2.82	Q					17+15	0.1688	2.67	Q				
12+10	0.1892	2.82	Q					17+20	0.1685	2.66	Q				
12+15	0.1888	2.82	Q					17+25	0.1682	2.66	Q				
12+20	0.1885	2.81	Q					17+30	0.1679	2.66	Q				
12+25	0.1881	2.81	Q					17+35	0.1675	2.66	Q				
12+30	0.1878	2.81	Q					17+40	0.1672	2.65	Q				
12+35	0.1874	2.81	Q					17+45	0.1669	2.65	Q				
12+40	0.1871	2.80	Q					17+50	0.1666	2.65	Q				
12+45	0.1867	2.80	Q					17+55	0.1663	2.64	Q				
12+50	0.1864	2.80	Q					18+ 0	0.1660	2.64	Q				
12+55	0.1860	2.80	Q					18+ 5	0.1657	2.64	Q				
13+ 0	0.1857	2.79	Q					18+10	0.1654	2.64	Q				
13+ 5	0.1853	2.79	Q					18+15	0.1651	2.63	Q				
13+10	0.1850	2.79	Q					18+20	0.1647	2.63	Q				
13+15	0.1847	2.79	Q					18+25	0.1644	2.63	Q				
13+20	0.1843	2.78	Q					18+30	0.1641	2.62	Q				
13+25	0.1840	2.78	Q					18+35	0.1638	2.62	Q				
13+30	0.1836	2.78	Q					18+40	0.1635	2.62	Q				
13+35	0.1833	2.78	Q					18+45	0.1632	2.62	Q				
13+40	0.1829	2.77	Q					18+50	0.1629	2.61	Q				
13+45	0.1826	2.77	Q					18+55	0.1626	2.61	Q				
13+50	0.1823	2.77	Q					19+ 0	0.1623	2.61	Q				
13+55	0.1819	2.77	Q					19+ 5	0.1620	2.60	Q				
14+ 0	0.1816	2.76	Q					19+10	0.1617	2.60	Q				
14+ 5	0.1812	2.76	Q					19+15	0.1614	2.60	Q				
14+10	0.1809	2.76	Q					19+20	0.1611	2.60	Q				
14+15	0.1806	2.76	Q					19+25	0.1608	2.59	Q				
14+20	0.1802	2.75	Q					19+30	0.1605	2.59	Q				
14+25	0.1799	2.75	Q					19+35	0.1602	2.59	Q				
14+30	0.1795	2.75	Q					19+40	0.1599	2.58	Q				
14+35	0.1792	2.75	Q					19+45	0.1596	2.58	Q				
14+40	0.1789	2.74	Q					19+50	0.1593	2.58	Q				
14+45	0.1785	2.74	Q					19+55	0.1590	2.58	Q				
14+50	0.1782	2.74	Q					20+ 0	0.1587	2.57	Q				
14+55	0.1779	2.74	Q					20+ 5	0.1584	2.57	Q				
15+ 0	0.1775	2.73	Q					20+10	0.1581	2.57	Q				
15+ 5	0.1772	2.73	Q					20+15	0.1578	2.57	Q				
15+10	0.1769	2.73	Q					20+20	0.1575	2.56	Q				
15+15	0.1765	2.73	Q					20+25	0.1572	2.56	Q				
15+20	0.1762	2.72	Q					20+30	0.1569	2.56	Q				
15+25	0.1759	2.72	Q					20+35	0.1566	2.55	Q				
15+30	0.1756	2.72	Q					20+40	0.1563	2.55	Q				
15+35	0.1752	2.72	Q					20+45	0.1560	2.55	Q				
15+40	0.1749	2.71	Q					20+50	0.1558	2.55	Q				
15+45	0.1746	2.71	Q					20+55	0.1555	2.54	Q				
15+50	0.1743	2.71	Q					21+ 0	0.1552	2.54	Q				
15+55	0.1739	2.71	Q					21+ 5	0.1549	2.54	Q				
16+ 0	0.1736	2.71	Q					21+10	0.1546	2.53	Q				
16+ 5	0.1733	2.70	Q					21+15	0.1543	2.53	Q				
16+10	0.1730	2.70	Q					21+20	0.1540	2.53	Q				
16+15	0.1726	2.70	Q					21+25	0.1537	2.53	Q				
16+20	0.1723	2.70	Q					21+30	0.1534	2.52	Q				
16+25	0.1720	2.69	Q					21+35	0.1531	2.52	Q				
16+30	0.1717	2.69	Q					21+40	0.1529	2.52	Q				
16+35	0.1713	2.69	Q					21+45	0.1526	2.52	Q				
16+40	0.1710	2.69	Q					21+50	0.1523	2.51	Q				
16+45	0.1707	2.68	Q					21+55	0.1520	2.51	Q				

22+ 0	0.1517	2.51	Q	|	|	|	|	27+10	0.0000	2.18	Q	|	|	|	|
22+ 5	0.1514	2.50	Q	|	|	|	|	27+15	0.0000	2.18	Q	|	|	|	|
22+10	0.1512	2.50	Q	|	|	|	|	27+20	0.0000	2.18	Q	|	|	|	|
22+15	0.1509	2.50	Q	|	|	|	|	27+25	0.0000	2.17	Q	|	|	|	|
22+20	0.1506	2.49	Q	|	|	|	|	27+30	0.0000	2.17	Q	|	|	|	|
22+25	0.1503	2.49	Q	|	|	|	|	27+35	0.0000	2.17	Q	|	|	|	|
22+30	0.1500	2.49	Q	|	|	|	|	27+40	0.0000	2.16	Q	|	|	|	|
22+35	0.1497	2.49	Q	|	|	|	|	27+45	0.0000	2.16	Q	|	|	|	|
22+40	0.1495	2.48	Q	|	|	|	|	27+50	0.0000	2.16	Q	|	|	|	|
22+45	0.1492	2.48	Q	|	|	|	|	27+55	0.0000	2.16	Q	|	|	|	|
22+50	0.1489	2.48	Q	|	|	|	|	28+ 0	0.0000	2.15	Q	|	|	|	|
22+55	0.1486	2.47	Q	|	|	|	|	28+ 5	0.0000	2.15	Q	|	|	|	|
23+ 0	0.1484	2.47	Q	|	|	|	|	28+10	0.0000	2.15	Q	|	|	|	|
23+ 5	0.1481	2.47	Q	|	|	|	|	28+15	0.0000	2.14	Q	|	|	|	|
23+10	0.1478	2.46	Q	|	|	|	|	28+20	0.0000	2.14	Q	|	|	|	|
23+15	0.1475	2.46	Q	|	|	|	|	28+25	0.0000	2.14	Q	|	|	|	|
23+20	0.1472	2.46	Q	|	|	|	|	28+30	0.0000	2.14	Q	|	|	|	|
23+25	0.1470	2.45	Q	|	|	|	|	28+35	0.0000	2.13	Q	|	|	|	|
23+30	0.1467	2.45	Q	|	|	|	|	28+40	0.0000	2.13	Q	|	|	|	|
23+35	0.1464	2.45	Q	|	|	|	|	28+45	0.0000	2.13	Q	|	|	|	|
23+40	0.1462	2.44	Q	|	|	|	|	28+50	0.0000	2.12	Q	|	|	|	|
23+45	0.1459	2.44	Q	|	|	|	|	28+55	0.0000	2.12	Q	|	|	|	|
23+50	0.1456	2.44	Q	|	|	|	|	29+ 0	0.0000	2.12	Q	|	|	|	|
23+55	0.1453	2.44	Q	|	|	|	|	29+ 5	0.0000	2.12	Q	|	|	|	|
24+ 0	0.1451	2.43	Q	|	|	|	|	29+10	0.0000	2.11	Q	|	|	|	|
24+ 5	0.1448	2.43	Q	|	|	|	|	29+15	0.0000	2.11	Q	|	|	|	|
24+10	0.1445	2.43	Q	|	|	|	|	29+20	0.0000	2.11	Q	|	|	|	|
24+15	0.1443	2.42	Q	|	|	|	|	29+25	0.0000	2.11	Q	|	|	|	|
24+20	0.1440	2.42	Q	|	|	|	|	29+30	0.0000	2.10	Q	|	|	|	|
24+25	0.1437	2.42	Q	|	|	|	|	29+35	0.0000	2.10	Q	|	|	|	|
24+30	0.1434	2.41	Q	|	|	|	|	29+40	0.0000	2.10	Q	|	|	|	|
24+35	0.1432	2.41	Q	|	|	|	|	29+45	0.0000	2.09	Q	|	|	|	|
24+40	0.1429	2.41	Q	|	|	|	|	29+50	0.0000	2.09	Q	|	|	|	|
24+45	0.1426	2.41	Q	|	|	|	|	29+55	0.0000	2.09	Q	|	|	|	|
24+50	0.1424	2.40	Q	|	|	|	|	30+ 0	0.0000	2.09	Q	|	|	|	|
24+55	0.1421	2.40	Q	|	|	|	|	30+ 5	0.0000	2.08	Q	|	|	|	|
25+ 0	0.1418	2.40	Q	|	|	|	|	30+10	0.0000	2.08	Q	|	|	|	|
25+ 5	0.0000	2.25	Q	|	|	|	|	30+15	0.0000	2.08	Q	|	|	|	|
25+10	0.0000	2.25	Q	|	|	|	|	30+20	0.0000	2.07	Q	|	|	|	|
25+15	0.0000	2.25	Q	|	|	|	|	30+25	0.0000	2.07	Q	|	|	|	|
25+20	0.0000	2.24	Q	|	|	|	|	30+30	0.0000	2.07	Q	|	|	|	|
25+25	0.0000	2.24	Q	|	|	|	|	30+35	0.0000	2.07	Q	|	|	|	|
25+30	0.0000	2.24	Q	|	|	|	|	30+40	0.0000	2.06	Q	|	|	|	|
25+35	0.0000	2.24	Q	|	|	|	|	30+45	0.0000	2.06	Q	|	|	|	|
25+40	0.0000	2.23	Q	|	|	|	|	30+50	0.0000	2.06	Q	|	|	|	|
25+45	0.0000	2.23	Q	|	|	|	|	30+55	0.0000	2.05	Q	|	|	|	|
25+50	0.0000	2.23	Q	|	|	|	|	31+ 0	0.0000	2.05	Q	|	|	|	|
25+55	0.0000	2.22	Q	|	|	|	|	31+ 5	0.0000	2.05	Q	|	|	|	|
26+ 0	0.0000	2.22	Q	|	|	|	|	31+10	0.0000	2.05	Q	|	|	|	|
26+ 5	0.0000	2.22	Q	|	|	|	|	31+15	0.0000	2.04	Q	|	|	|	|
26+10	0.0000	2.22	Q	|	|	|	|	31+20	0.0000	2.04	Q	|	|	|	|
26+15	0.0000	2.21	Q	|	|	|	|	31+25	0.0000	2.04	Q	|	|	|	|
26+20	0.0000	2.21	Q	|	|	|	|	31+30	0.0000	2.03	Q	|	|	|	|
26+25	0.0000	2.21	Q	|	|	|	|	31+35	0.0000	2.03	Q	|	|	|	|
26+30	0.0000	2.21	Q	|	|	|	|	31+40	0.0000	2.03	Q	|	|	|	|
26+35	0.0000	2.20	Q	|	|	|	|	31+45	0.0000	2.02	Q	|	|	|	|
26+40	0.0000	2.20	Q	|	|	|	|	31+50	0.0000	2.02	Q	|	|	|	|
26+45	0.0000	2.20	Q	|	|	|	|	31+55	0.0000	2.02	Q	|	|	|	|
26+50	0.0000	2.19	Q	|	|	|	|	32+ 0	0.0000	2.01	Q	|	|	|	|
26+55	0.0000	2.19	Q	|	|	|	|	32+ 5	0.0000	2.01	Q	|	|	|	|
27+ 0	0.0000	2.19	Q	|	|	|	|	32+10	0.0000	2.01	Q	|	|	|	|
27+ 5	0.0000	2.19	Q	|	|	|	|	32+15	0.0000	2.00	Q	|	|	|	|

32+20	0.0000	2.00	Q					37+30	0.0000	1.78	Q				
32+25	0.0000	2.00	Q					37+35	0.0000	1.78	Q				
32+30	0.0000	1.99	Q					37+40	0.0000	1.78	Q				
32+35	0.0000	1.99	Q					37+45	0.0000	1.77	Q				
32+40	0.0000	1.99	Q					37+50	0.0000	1.77	Q				
32+45	0.0000	1.98	Q					37+55	0.0000	1.77	Q				
32+50	0.0000	1.98	Q					38+ 0	0.0000	1.76	Q				
32+55	0.0000	1.97	Q					38+ 5	0.0000	1.76	Q				
33+ 0	0.0000	1.97	Q					38+10	0.0000	1.75	Q				
33+ 5	0.0000	1.97	Q					38+15	0.0000	1.75	Q				
33+10	0.0000	1.96	Q					38+20	0.0000	1.75	Q				
33+15	0.0000	1.96	Q					38+25	0.0000	1.74	Q				
33+20	0.0000	1.96	Q					38+30	0.0000	1.74	Q				
33+25	0.0000	1.95	Q					38+35	0.0000	1.74	Q				
33+30	0.0000	1.95	Q					38+40	0.0000	1.73	Q				
33+35	0.0000	1.95	Q					38+45	0.0000	1.73	Q				
33+40	0.0000	1.94	Q					38+50	0.0000	1.73	Q				
33+45	0.0000	1.94	Q					38+55	0.0000	1.72	Q				
33+50	0.0000	1.94	Q					39+ 0	0.0000	1.72	Q				
33+55	0.0000	1.93	Q					39+ 5	0.0000	1.72	Q				
34+ 0	0.0000	1.93	Q					39+10	0.0000	1.71	Q				
34+ 5	0.0000	1.93	Q					39+15	0.0000	1.71	Q				
34+10	0.0000	1.92	Q					39+20	0.0000	1.70	Q				
34+15	0.0000	1.92	Q					39+25	0.0000	1.70	Q				
34+20	0.0000	1.92	Q					39+30	0.0000	1.70	Q				
34+25	0.0000	1.91	Q					39+35	0.0000	1.69	Q				
34+30	0.0000	1.91	Q					39+40	0.0000	1.69	Q				
34+35	0.0000	1.91	Q					39+45	0.0000	1.69	Q				
34+40	0.0000	1.90	Q					39+50	0.0000	1.68	Q				
34+45	0.0000	1.90	Q					39+55	0.0000	1.68	Q				
34+50	0.0000	1.90	Q					40+ 0	0.0000	1.68	Q				
34+55	0.0000	1.89	Q					40+ 5	0.0000	1.67	Q				
35+ 0	0.0000	1.89	Q					40+10	0.0000	1.67	Q				
35+ 5	0.0000	1.89	Q					40+15	0.0000	1.67	Q				
35+10	0.0000	1.88	Q					40+20	0.0000	1.66	Q				
35+15	0.0000	1.88	Q					40+25	0.0000	1.66	Q				
35+20	0.0000	1.88	Q					40+30	0.0000	1.66	Q				
35+25	0.0000	1.87	Q					40+35	0.0000	1.65	Q				
35+30	0.0000	1.87	Q					40+40	0.0000	1.65	Q				
35+35	0.0000	1.87	Q					40+45	0.0000	1.64	Q				
35+40	0.0000	1.86	Q					40+50	0.0000	1.64	Q				
35+45	0.0000	1.86	Q					40+55	0.0000	1.64	Q				
35+50	0.0000	1.86	Q					41+ 0	0.0000	1.63	Q				
35+55	0.0000	1.85	Q					41+ 5	0.0000	1.63	Q				
36+ 0	0.0000	1.85	Q					41+10	0.0000	1.62	Q				
36+ 5	0.0000	1.85	Q					41+15	0.0000	1.62	Q				
36+10	0.0000	1.84	Q					41+20	0.0000	1.61	Q				
36+15	0.0000	1.84	Q					41+25	0.0000	1.61	Q				
36+20	0.0000	1.84	Q					41+30	0.0000	1.60	Q				
36+25	0.0000	1.83	Q					41+35	0.0000	1.60	Q				
36+30	0.0000	1.83	Q					41+40	0.0000	1.60	Q				
36+35	0.0000	1.82	Q					41+45	0.0000	1.59	Q				
36+40	0.0000	1.82	Q					41+50	0.0000	1.59	Q				
36+45	0.0000	1.82	Q					41+55	0.0000	1.58	Q				
36+50	0.0000	1.81	Q					42+ 0	0.0000	1.58	Q				
36+55	0.0000	1.81	Q					42+ 5	0.0000	1.57	Q				
37+ 0	0.0000	1.81	Q					42+10	0.0000	1.57	Q				
37+ 5	0.0000	1.80	Q					42+15	0.0000	1.56	Q				
37+10	0.0000	1.80	Q					42+20	0.0000	1.56	Q				
37+15	0.0000	1.79	Q					42+25	0.0000	1.56	Q				
37+20	0.0000	1.79	Q					42+30	0.0000	1.55	Q				
37+25	0.0000	1.79	Q					42+35	0.0000	1.55	Q				

42+40	0.0000	1.54	Q					47+50	0.0000	1.26	Q				
42+45	0.0000	1.54	Q					47+55	0.0000	1.25	Q				
42+50	0.0000	1.53	Q					48+ 0	0.0000	1.25	Q				
42+55	0.0000	1.53	Q					48+ 5	0.0000	1.24	Q				
43+ 0	0.0000	1.53	Q					48+10	0.0000	1.24	Q				
43+ 5	0.0000	1.52	Q					48+15	0.0000	1.24	Q				
43+10	0.0000	1.52	Q					48+20	0.0000	1.23	Q				
43+15	0.0000	1.51	Q					48+25	0.0000	1.23	Q				
43+20	0.0000	1.51	Q					48+30	0.0000	1.22	Q				
43+25	0.0000	1.50	Q					48+35	0.0000	1.22	Q				
43+30	0.0000	1.50	Q					48+40	0.0000	1.21	Q				
43+35	0.0000	1.50	Q					48+45	0.0000	1.21	Q				
43+40	0.0000	1.49	Q					48+50	0.0000	1.20	Q				
43+45	0.0000	1.49	Q					48+55	0.0000	1.20	Q				
43+50	0.0000	1.48	Q					49+ 0	0.0000	1.19	Q				
43+55	0.0000	1.48	Q					49+ 5	0.0000	1.19	Q				
44+ 0	0.0000	1.48	Q					49+10	0.0000	1.18	Q				
44+ 5	0.0000	1.47	Q					49+15	0.0000	1.18	Q				
44+10	0.0000	1.47	Q					49+20	0.0000	1.18	Q				
44+15	0.0000	1.46	Q					49+25	0.0000	1.17	Q				
44+20	0.0000	1.46	Q					49+30	0.0000	1.17	Q				
44+25	0.0000	1.46	Q					49+35	0.0000	1.16	Q				
44+30	0.0000	1.45	Q					49+40	0.0000	1.16	Q				
44+35	0.0000	1.45	Q					49+45	0.0000	1.15	Q				
44+40	0.0000	1.44	Q					49+50	0.0000	1.15	Q				
44+45	0.0000	1.44	Q					49+55	0.0000	1.14	Q				
44+50	0.0000	1.44	Q					50+ 0	0.0000	1.14	Q				
44+55	0.0000	1.43	Q					50+ 5	0.0000	1.14	Q				
45+ 0	0.0000	1.43	Q					50+10	0.0000	1.13	Q				
45+ 5	0.0000	1.42	Q					50+15	0.0000	1.13	Q				
45+10	0.0000	1.42	Q					50+20	0.0000	1.12	Q				
45+15	0.0000	1.42	Q					50+25	0.0000	1.12	Q				
45+20	0.0000	1.41	Q					50+30	0.0000	1.11	Q				
45+25	0.0000	1.41	Q					50+35	0.0000	1.10	Q				
45+30	0.0000	1.40	Q					50+40	0.0000	1.09	Q				
45+35	0.0000	1.40	Q					50+45	0.0000	1.08	Q				
45+40	0.0000	1.39	Q					50+50	0.0000	1.07	Q				
45+45	0.0000	1.39	Q					50+55	0.0000	1.06	Q				
45+50	0.0000	1.38	Q					51+ 0	0.0000	1.05	Q				
45+55	0.0000	1.38	Q					51+ 5	0.0000	1.05	Q				
46+ 0	0.0000	1.37	Q					51+10	0.0000	1.04	Q				
46+ 5	0.0000	1.36	Q					51+15	0.0000	1.03	Q				
46+10	0.0000	1.36	Q					51+20	0.0000	1.02	Q				
46+15	0.0000	1.35	Q					51+25	0.0000	1.01	Q				
46+20	0.0000	1.35	Q					51+30	0.0000	1.00	Q				
46+25	0.0000	1.34	Q					51+35	0.0000	1.00	Q				
46+30	0.0000	1.34	Q					51+40	0.0000	0.99	Q				
46+35	0.0000	1.33	Q					51+45	0.0000	0.98	Q				
46+40	0.0000	1.33	Q					51+50	0.0000	0.97	Q				
46+45	0.0000	1.32	Q					51+55	0.0000	0.96	Q				
46+50	0.0000	1.32	Q					52+ 0	0.0000	0.96	Q				
46+55	0.0000	1.31	Q					52+ 5	0.0000	0.95	Q				
47+ 0	0.0000	1.31	Q					52+10	0.0000	0.94	Q				
47+ 5	0.0000	1.30	Q					52+15	0.0000	0.93	Q				
47+10	0.0000	1.30	Q					52+20	0.0000	0.92	Q				
47+15	0.0000	1.29	Q					52+25	0.0000	0.92	Q				
47+20	0.0000	1.29	Q					52+30	0.0000	0.91	Q				
47+25	0.0000	1.28	Q					52+35	0.0000	0.90	Q				
47+30	0.0000	1.28	Q					52+40	0.0000	0.89	Q				
47+35	0.0000	1.27	Q					52+45	0.0000	0.89	Q				
47+40	0.0000	1.27	Q					52+50	0.0000	0.88	Q				
47+45	0.0000	1.26	Q					52+55	0.0000	0.87	Q				

53+ 0	0.0000	0.87	Q					58+10	0.0000	0.56	Q				
53+ 5	0.0000	0.86	Q					58+15	0.0000	0.55	Q				
53+10	0.0000	0.85	Q					58+20	0.0000	0.55	Q				
53+15	0.0000	0.84	Q					58+25	0.0000	0.55	Q				
53+20	0.0000	0.84	Q					58+30	0.0000	0.55	Q				
53+25	0.0000	0.83	Q					58+35	0.0000	0.55	Q				
53+30	0.0000	0.82	Q					58+40	0.0000	0.54	Q				
53+35	0.0000	0.82	Q					58+45	0.0000	0.54	Q				
53+40	0.0000	0.81	Q					58+50	0.0000	0.54	Q				
53+45	0.0000	0.80	Q					58+55	0.0000	0.54	Q				
53+50	0.0000	0.80	Q					59+ 0	0.0000	0.54	Q				
53+55	0.0000	0.79	Q					59+ 5	0.0000	0.54	Q				
54+ 0	0.0000	0.78	Q					59+10	0.0000	0.53	Q				
54+ 5	0.0000	0.78	Q					59+15	0.0000	0.53	Q				
54+10	0.0000	0.77	Q					59+20	0.0000	0.53	Q				
54+15	0.0000	0.76	Q					59+25	0.0000	0.53	Q				
54+20	0.0000	0.76	Q					59+30	0.0000	0.53	Q				
54+25	0.0000	0.75	Q					59+35	0.0000	0.53	Q				
54+30	0.0000	0.75	Q					59+40	0.0000	0.52	Q				
54+35	0.0000	0.74	Q					59+45	0.0000	0.52	Q				
54+40	0.0000	0.73	Q					59+50	0.0000	0.52	Q				
54+45	0.0000	0.73	Q					59+55	0.0000	0.52	Q				
54+50	0.0000	0.72	Q					60+ 0	0.0000	0.52	Q				
54+55	0.0000	0.72	Q					60+ 5	0.0000	0.52	Q				
55+ 0	0.0000	0.71	Q					60+10	0.0000	0.51	Q				
55+ 5	0.0000	0.70	Q					60+15	0.0000	0.51	Q				
55+10	0.0000	0.70	Q					60+20	0.0000	0.51	Q				
55+15	0.0000	0.69	Q					60+25	0.0000	0.51	Q				
55+20	0.0000	0.69	Q					60+30	0.0000	0.51	Q				
55+25	0.0000	0.68	Q					60+35	0.0000	0.51	Q				
55+30	0.0000	0.68	Q					60+40	0.0000	0.50	Q				
55+35	0.0000	0.67	Q					60+45	0.0000	0.50	Q				
55+40	0.0000	0.66	Q					60+50	0.0000	0.50	Q				
55+45	0.0000	0.66	Q					60+55	0.0000	0.50	Q				
55+50	0.0000	0.65	Q					61+ 0	0.0000	0.50	Q				
55+55	0.0000	0.65	Q					61+ 5	0.0000	0.50	Q				
56+ 0	0.0000	0.64	Q					61+10	0.0000	0.49	Q				
56+ 5	0.0000	0.64	Q					61+15	0.0000	0.49	Q				
56+10	0.0000	0.63	Q					61+20	0.0000	0.49	Q				
56+15	0.0000	0.63	Q					61+25	0.0000	0.49	Q				
56+20	0.0000	0.62	Q					61+30	0.0000	0.49	Q				
56+25	0.0000	0.62	Q					61+35	0.0000	0.49	Q				
56+30	0.0000	0.61	Q					61+40	0.0000	0.49	Q				
56+35	0.0000	0.61	Q					61+45	0.0000	0.48	Q				
56+40	0.0000	0.60	Q					61+50	0.0000	0.48	Q				
56+45	0.0000	0.60	Q					61+55	0.0000	0.48	Q				
56+50	0.0000	0.59	Q					62+ 0	0.0000	0.48	Q				
56+55	0.0000	0.59	Q					62+ 5	0.0000	0.48	Q				
57+ 0	0.0000	0.58	Q					62+10	0.0000	0.48	Q				
57+ 5	0.0000	0.58	Q					62+15	0.0000	0.47	Q				
57+10	0.0000	0.58	Q					62+20	0.0000	0.47	Q				
57+15	0.0000	0.58	Q					62+25	0.0000	0.47	Q				
57+20	0.0000	0.57	Q					62+30	0.0000	0.47	Q				
57+25	0.0000	0.57	Q					62+35	0.0000	0.47	Q				
57+30	0.0000	0.57	Q					62+40	0.0000	0.47	Q				
57+35	0.0000	0.57	Q					62+45	0.0000	0.47	Q				
57+40	0.0000	0.57	Q					62+50	0.0000	0.46	Q				
57+45	0.0000	0.56	Q					62+55	0.0000	0.46	Q				
57+50	0.0000	0.56	Q					63+ 0	0.0000	0.46	Q				
57+55	0.0000	0.56	Q					63+ 5	0.0000	0.46	Q				
58+ 0	0.0000	0.56	Q					63+10	0.0000	0.46	Q				
58+ 5	0.0000	0.56	Q					63+15	0.0000	0.46	Q				

63+20	0.0000	0.45	Q					68+30	0.0000	0.33	Q				
63+25	0.0000	0.45	Q					68+35	0.0000	0.33	Q				
63+30	0.0000	0.45	Q					68+40	0.0000	0.32	Q				
63+35	0.0000	0.45	Q					68+45	0.0000	0.32	Q				
63+40	0.0000	0.45	Q					68+50	0.0000	0.32	Q				
63+45	0.0000	0.45	Q					68+55	0.0000	0.32	Q				
63+50	0.0000	0.45	Q					69+ 0	0.0000	0.31	Q				
63+55	0.0000	0.44	Q					69+ 5	0.0000	0.31	Q				
64+ 0	0.0000	0.44	Q					69+10	0.0000	0.31	Q				
64+ 5	0.0000	0.44	Q					69+15	0.0000	0.31	Q				
64+10	0.0000	0.44	Q					69+20	0.0000	0.30	Q				
64+15	0.0000	0.44	Q					69+25	0.0000	0.30	Q				
64+20	0.0000	0.44	Q					69+30	0.0000	0.30	Q				
64+25	0.0000	0.44	Q					69+35	0.0000	0.29	Q				
64+30	0.0000	0.43	Q					69+40	0.0000	0.29	Q				
64+35	0.0000	0.43	Q					69+45	0.0000	0.29	Q				
64+40	0.0000	0.43	Q					69+50	0.0000	0.29	Q				
64+45	0.0000	0.43	Q					69+55	0.0000	0.28	Q				
64+50	0.0000	0.43	Q					70+ 0	0.0000	0.28	Q				
64+55	0.0000	0.43	Q					70+ 5	0.0000	0.28	Q				
65+ 0	0.0000	0.43	Q					70+10	0.0000	0.28	Q				
65+ 5	0.0000	0.42	Q					70+15	0.0000	0.28	Q				
65+10	0.0000	0.42	Q					70+20	0.0000	0.27	Q				
65+15	0.0000	0.42	Q					70+25	0.0000	0.27	Q				
65+20	0.0000	0.42	Q					70+30	0.0000	0.27	Q				
65+25	0.0000	0.42	Q					70+35	0.0000	0.27	Q				
65+30	0.0000	0.42	Q					70+40	0.0000	0.26	Q				
65+35	0.0000	0.42	Q					70+45	0.0000	0.26	Q				
65+40	0.0000	0.42	Q					70+50	0.0000	0.26	Q				
65+45	0.0000	0.41	Q					70+55	0.0000	0.26	Q				
65+50	0.0000	0.41	Q					71+ 0	0.0000	0.25	Q				
65+55	0.0000	0.41	Q					71+ 5	0.0000	0.25	Q				
66+ 0	0.0000	0.41	Q					71+10	0.0000	0.25	Q				
66+ 5	0.0000	0.41	Q					71+15	0.0000	0.25	Q				
66+10	0.0000	0.41	Q					71+20	0.0000	0.25	Q				
66+15	0.0000	0.41	Q					71+25	0.0000	0.24	Q				
66+20	0.0000	0.40	Q					71+30	0.0000	0.24	Q				
66+25	0.0000	0.40	Q					71+35	0.0000	0.24	Q				
66+30	0.0000	0.40	Q					71+40	0.0000	0.24	Q				
66+35	0.0000	0.40	Q					71+45	0.0000	0.24	Q				
66+40	0.0000	0.40	Q					71+50	0.0000	0.23	Q				
66+45	0.0000	0.40	Q					71+55	0.0000	0.23	Q				
66+50	0.0000	0.39	Q					72+ 0	0.0000	0.23	Q				
66+55	0.0000	0.39	Q					72+ 5	0.0000	0.23	Q				
67+ 0	0.0000	0.39	Q					72+10	0.0000	0.23	Q				
67+ 5	0.0000	0.38	Q					72+15	0.0000	0.22	Q				
67+10	0.0000	0.38	Q					72+20	0.0000	0.22	Q				
67+15	0.0000	0.38	Q					72+25	0.0000	0.22	Q				
67+20	0.0000	0.37	Q					72+30	0.0000	0.22	Q				
67+25	0.0000	0.37	Q					72+35	0.0000	0.22	Q				
67+30	0.0000	0.37	Q					72+40	0.0000	0.21	Q				
67+35	0.0000	0.36	Q					72+45	0.0000	0.21	Q				
67+40	0.0000	0.36	Q					72+50	0.0000	0.21	Q				
67+45	0.0000	0.36	Q					72+55	0.0000	0.21	Q				
67+50	0.0000	0.35	Q					73+ 0	0.0000	0.21	Q				
67+55	0.0000	0.35	Q					73+ 5	0.0000	0.21	Q				
68+ 0	0.0000	0.35	Q					73+10	0.0000	0.20	Q				
68+ 5	0.0000	0.34	Q					73+15	0.0000	0.20	Q				
68+10	0.0000	0.34	Q					73+20	0.0000	0.20	Q				
68+15	0.0000	0.34	Q					73+25	0.0000	0.20	Q				
68+20	0.0000	0.34	Q					73+30	0.0000	0.20	Q				
68+25	0.0000	0.33	Q					73+35	0.0000	0.19	Q				

73+40	0.0000	0.19	Q					78+50	0.0000	0.11	Q				
73+45	0.0000	0.19	Q					78+55	0.0000	0.11	Q				
73+50	0.0000	0.19	Q					79+ 0	0.0000	0.11	Q				
73+55	0.0000	0.19	Q					79+ 5	0.0000	0.11	Q				
74+ 0	0.0000	0.19	Q					79+10	0.0000	0.11	Q				
74+ 5	0.0000	0.19	Q					79+15	0.0000	0.11	Q				
74+10	0.0000	0.18	Q					79+20	0.0000	0.11	Q				
74+15	0.0000	0.18	Q					79+25	0.0000	0.11	Q				
74+20	0.0000	0.18	Q					79+30	0.0000	0.11	Q				
74+25	0.0000	0.18	Q					79+35	0.0000	0.10	Q				
74+30	0.0000	0.18	Q					79+40	0.0000	0.10	Q				
74+35	0.0000	0.18	Q					79+45	0.0000	0.10	Q				
74+40	0.0000	0.17	Q					79+50	0.0000	0.10	Q				
74+45	0.0000	0.17	Q					79+55	0.0000	0.10	Q				
74+50	0.0000	0.17	Q					80+ 0	0.0000	0.10	Q				
74+55	0.0000	0.17	Q					80+ 5	0.0000	0.10	Q				
75+ 0	0.0000	0.17	Q					80+10	0.0000	0.10	Q				
75+ 5	0.0000	0.17	Q					80+15	0.0000	0.10	Q				
75+10	0.0000	0.17	Q					80+20	0.0000	0.10	Q				
75+15	0.0000	0.16	Q					80+25	0.0000	0.10	Q				
75+20	0.0000	0.16	Q					80+30	0.0000	0.10	Q				
75+25	0.0000	0.16	Q					80+35	0.0000	0.09	Q				
75+30	0.0000	0.16	Q					80+40	0.0000	0.09	Q				
75+35	0.0000	0.16	Q					80+45	0.0000	0.09	Q				
75+40	0.0000	0.16	Q					80+50	0.0000	0.09	Q				
75+45	0.0000	0.16	Q					80+55	0.0000	0.09	Q				
75+50	0.0000	0.15	Q					81+ 0	0.0000	0.09	Q				
75+55	0.0000	0.15	Q					81+ 5	0.0000	0.09	Q				
76+ 0	0.0000	0.15	Q					81+10	0.0000	0.09	Q				
76+ 5	0.0000	0.15	Q					81+15	0.0000	0.09	Q				
76+10	0.0000	0.15	Q					81+20	0.0000	0.09	Q				
76+15	0.0000	0.15	Q					81+25	0.0000	0.09	Q				
76+20	0.0000	0.15	Q					81+30	0.0000	0.09	Q				
76+25	0.0000	0.15	Q					81+35	0.0000	0.09	Q				
76+30	0.0000	0.14	Q					81+40	0.0000	0.08	Q				
76+35	0.0000	0.14	Q					81+45	0.0000	0.08	Q				
76+40	0.0000	0.14	Q					81+50	0.0000	0.08	Q				
76+45	0.0000	0.14	Q					81+55	0.0000	0.08	Q				
76+50	0.0000	0.14	Q					82+ 0	0.0000	0.08	Q				
76+55	0.0000	0.14	Q					82+ 5	0.0000	0.08	Q				
77+ 0	0.0000	0.14	Q					82+10	0.0000	0.08	Q				
77+ 5	0.0000	0.14	Q					82+15	0.0000	0.08	Q				
77+10	0.0000	0.13	Q					82+20	0.0000	0.08	Q				
77+15	0.0000	0.13	Q					82+25	0.0000	0.08	Q				
77+20	0.0000	0.13	Q					82+30	0.0000	0.08	Q				
77+25	0.0000	0.13	Q					82+35	0.0000	0.08	Q				
77+30	0.0000	0.13	Q					82+40	0.0000	0.08	Q				
77+35	0.0000	0.13	Q					82+45	0.0000	0.08	Q				
77+40	0.0000	0.13	Q					82+50	0.0000	0.07	Q				
77+45	0.0000	0.13	Q					82+55	0.0000	0.07	Q				
77+50	0.0000	0.13	Q					83+ 0	0.0000	0.07	Q				
77+55	0.0000	0.12	Q					83+ 5	0.0000	0.07	Q				
78+ 0	0.0000	0.12	Q					83+10	0.0000	0.07	Q				
78+ 5	0.0000	0.12	Q					83+15	0.0000	0.07	Q				
78+10	0.0000	0.12	Q					83+20	0.0000	0.07	Q				
78+15	0.0000	0.12	Q					83+25	0.0000	0.07	Q				
78+20	0.0000	0.12	Q					83+30	0.0000	0.07	Q				
78+25	0.0000	0.12	Q					83+35	0.0000	0.07	Q				
78+30	0.0000	0.12	Q					83+40	0.0000	0.07	Q				
78+35	0.0000	0.12	Q					83+45	0.0000	0.07	Q				
78+40	0.0000	0.12	Q					83+50	0.0000	0.07	Q				
78+45	0.0000	0.11	Q					83+55	0.0000	0.07	Q				

84+ 0	0.0000	0.07	Q	|	|	|	|	89+10	0.0000	0.04	Q	|	|	|	|
84+ 5	0.0000	0.07	Q	|	|	|	|	89+15	0.0000	0.04	Q	|	|	|	|
84+10	0.0000	0.07	Q	|	|	|	|	89+20	0.0000	0.04	Q	|	|	|	|
84+15	0.0000	0.06	Q	|	|	|	|	89+25	0.0000	0.04	Q	|	|	|	|
84+20	0.0000	0.06	Q	|	|	|	|	89+30	0.0000	0.04	Q	|	|	|	|
84+25	0.0000	0.06	Q	|	|	|	|	89+35	0.0000	0.04	Q	|	|	|	|
84+30	0.0000	0.06	Q	|	|	|	|	89+40	0.0000	0.04	Q	|	|	|	|
84+35	0.0000	0.06	Q	|	|	|	|	89+45	0.0000	0.04	Q	|	|	|	|
84+40	0.0000	0.06	Q	|	|	|	|	89+50	0.0000	0.04	Q	|	|	|	|
84+45	0.0000	0.06	Q	|	|	|	|	89+55	0.0000	0.04	Q	|	|	|	|
84+50	0.0000	0.06	Q	|	|	|	|	90+ 0	0.0000	0.04	Q	|	|	|	|
84+55	0.0000	0.06	Q	|	|	|	|	90+ 5	0.0000	0.04	Q	|	|	|	|
85+ 0	0.0000	0.06	Q	|	|	|	|	90+10	0.0000	0.03	Q	|	|	|	|
85+ 5	0.0000	0.06	Q	|	|	|	|	90+15	0.0000	0.03	Q	|	|	|	|
85+10	0.0000	0.06	Q	|	|	|	|	90+20	0.0000	0.03	Q	|	|	|	|
85+15	0.0000	0.06	Q	|	|	|	|	90+25	0.0000	0.03	Q	|	|	|	|
85+20	0.0000	0.06	Q	|	|	|	|	90+30	0.0000	0.03	Q	|	|	|	|
85+25	0.0000	0.06	Q	|	|	|	|	90+35	0.0000	0.03	Q	|	|	|	|
85+30	0.0000	0.06	Q	|	|	|	|	90+40	0.0000	0.03	Q	|	|	|	|
85+35	0.0000	0.06	Q	|	|	|	|	90+45	0.0000	0.03	Q	|	|	|	|
85+40	0.0000	0.06	Q	|	|	|	|	90+50	0.0000	0.03	Q	|	|	|	|
85+45	0.0000	0.06	Q	|	|	|	|	90+55	0.0000	0.03	Q	|	|	|	|
85+50	0.0000	0.05	Q	|	|	|	|	91+ 0	0.0000	0.03	Q	|	|	|	|
85+55	0.0000	0.05	Q	|	|	|	|	91+ 5	0.0000	0.03	Q	|	|	|	|
86+ 0	0.0000	0.05	Q	|	|	|	|	91+10	0.0000	0.03	Q	|	|	|	|
86+ 5	0.0000	0.05	Q	|	|	|	|	91+15	0.0000	0.03	Q	|	|	|	|
86+10	0.0000	0.05	Q	|	|	|	|	91+20	0.0000	0.03	Q	|	|	|	|
86+15	0.0000	0.05	Q	|	|	|	|	91+25	0.0000	0.03	Q	|	|	|	|
86+20	0.0000	0.05	Q	|	|	|	|	91+30	0.0000	0.03	Q	|	|	|	|
86+25	0.0000	0.05	Q	|	|	|	|	91+35	0.0000	0.03	Q	|	|	|	|
86+30	0.0000	0.05	Q	|	|	|	|	91+40	0.0000	0.03	Q	|	|	|	|
86+35	0.0000	0.05	Q	|	|	|	|	91+45	0.0000	0.03	Q	|	|	|	|
86+40	0.0000	0.05	Q	|	|	|	|	91+50	0.0000	0.03	Q	|	|	|	|
86+45	0.0000	0.05	Q	|	|	|	|	91+55	0.0000	0.03	Q	|	|	|	|
86+50	0.0000	0.05	Q	|	|	|	|	92+ 0	0.0000	0.03	Q	|	|	|	|
86+55	0.0000	0.05	Q	|	|	|	|	92+ 5	0.0000	0.03	Q	|	|	|	|
87+ 0	0.0000	0.05	Q	|	|	|	|	92+10	0.0000	0.03	Q	|	|	|	|
87+ 5	0.0000	0.05	Q	|	|	|	|	92+15	0.0000	0.03	Q	|	|	|	|
87+10	0.0000	0.05	Q	|	|	|	|	92+20	0.0000	0.03	Q	|	|	|	|
87+15	0.0000	0.05	Q	|	|	|	|	92+25	0.0000	0.03	Q	|	|	|	|
87+20	0.0000	0.05	Q	|	|	|	|	92+30	0.0000	0.03	Q	|	|	|	|
87+25	0.0000	0.05	Q	|	|	|	|	92+35	0.0000	0.03	Q	|	|	|	|
87+30	0.0000	0.05	Q	|	|	|	|	92+40	0.0000	0.03	Q	|	|	|	|
87+35	0.0000	0.05	Q	|	|	|	|	92+45	0.0000	0.03	Q	|	|	|	|
87+40	0.0000	0.05	Q	|	|	|	|	92+50	0.0000	0.03	Q	|	|	|	|
87+45	0.0000	0.04	Q	|	|	|	|	92+55	0.0000	0.03	Q	|	|	|	|
87+50	0.0000	0.04	Q	|	|	|	|	93+ 0	0.0000	0.03	Q	|	|	|	|
87+55	0.0000	0.04	Q	|	|	|	|	93+ 5	0.0000	0.03	Q	|	|	|	|
88+ 0	0.0000	0.04	Q	|	|	|	|	93+10	0.0000	0.03	Q	|	|	|	|
88+ 5	0.0000	0.04	Q	|	|	|	|	93+15	0.0000	0.03	Q	|	|	|	|
88+10	0.0000	0.04	Q	|	|	|	|	93+20	0.0000	0.03	Q	|	|	|	|
88+15	0.0000	0.04	Q	|	|	|	|	93+25	0.0000	0.02	Q	|	|	|	|
88+20	0.0000	0.04	Q	|	|	|	|	93+30	0.0000	0.02	Q	|	|	|	|
88+25	0.0000	0.04	Q	|	|	|	|	93+35	0.0000	0.02	Q	|	|	|	|
88+30	0.0000	0.04	Q	|	|	|	|	93+40	0.0000	0.02	Q	|	|	|	|
88+35	0.0000	0.04	Q	|	|	|	|	93+45	0.0000	0.02	Q	|	|	|	|
88+40	0.0000	0.04	Q	|	|	|	|	93+50	0.0000	0.02	Q	|	|	|	|
88+45	0.0000	0.04	Q	|	|	|	|	93+55	0.0000	0.02	Q	|	|	|	|
88+50	0.0000	0.04	Q	|	|	|	|	94+ 0	0.0000	0.02	Q	|	|	|	|
88+55	0.0000	0.04	Q	|	|	|	|	94+ 5	0.0000	0.02	Q	|	|	|	|
89+ 0	0.0000	0.04	Q	|	|	|	|	94+10	0.0000	0.02	Q	|	|	|	|
89+ 5	0.0000	0.04	Q	|	|	|	|	94+15	0.0000	0.02	Q	|	|	|	|

94+20	0.0000	0.02	Q					99+30	0.0000	0.01	Q								
94+25	0.0000	0.02	Q					99+35	0.0000	0.01	Q								
94+30	0.0000	0.02	Q					99+40	0.0000	0.01	Q								
94+35	0.0000	0.02	Q					99+45	0.0000	0.01	Q								
94+40	0.0000	0.02	Q					99+50	0.0000	0.01	Q								
94+45	0.0000	0.02	Q					99+55	0.0000	0.01	Q								
94+50	0.0000	0.02	Q					100+ 0	0.0000	0.01	Q								
94+55	0.0000	0.02	Q					100+ 5	0.0000	0.01	Q								
95+ 0	0.0000	0.02	Q					100+10	0.0000	0.01	Q								
95+ 5	0.0000	0.02	Q					100+15	0.0000	0.01	Q								
95+10	0.0000	0.02	Q					100+20	0.0000	0.01	Q								
95+15	0.0000	0.02	Q					100+25	0.0000	0.01	Q								
95+20	0.0000	0.02	Q					100+30	0.0000	0.01	Q								
95+25	0.0000	0.02	Q					100+35	0.0000	0.01	Q								
95+30	0.0000	0.02	Q					100+40	0.0000	0.01	Q								
95+35	0.0000	0.02	Q					100+45	0.0000	0.01	Q								
95+40	0.0000	0.02	Q					100+50	0.0000	0.01	Q								
95+45	0.0000	0.02	Q					100+55	0.0000	0.01	Q								
95+50	0.0000	0.02	Q					101+ 0	0.0000	0.01	Q								
95+55	0.0000	0.02	Q					101+ 5	0.0000	0.01	Q								
96+ 0	0.0000	0.02	Q					101+10	0.0000	0.01	Q								
96+ 5	0.0000	0.02	Q					101+15	0.0000	0.01	Q								
96+10	0.0000	0.02	Q					101+20	0.0000	0.01	Q								
96+15	0.0000	0.02	Q					101+25	0.0000	0.01	Q								
96+20	0.0000	0.02	Q					101+30	0.0000	0.01	Q								
96+25	0.0000	0.02	Q					101+35	0.0000	0.01	Q								
96+30	0.0000	0.02	Q					101+40	0.0000	0.01	Q								
96+35	0.0000	0.02	Q					101+45	0.0000	0.01	Q								
96+40	0.0000	0.02	Q					101+50	0.0000	0.01	Q								
96+45	0.0000	0.02	Q					101+55	0.0000	0.01	Q								
96+50	0.0000	0.02	Q					102+ 0	0.0000	0.01	Q								
96+55	0.0000	0.02	Q					102+ 5	0.0000	0.01	Q								
97+ 0	0.0000	0.02	Q					102+10	0.0000	0.01	Q								
97+ 5	0.0000	0.02	Q					102+15	0.0000	0.01	Q								
97+10	0.0000	0.02	Q					102+20	0.0000	0.01	Q								
97+15	0.0000	0.02	Q					102+25	0.0000	0.01	Q								
97+20	0.0000	0.02	Q					102+30	0.0000	0.01	Q								
97+25	0.0000	0.02	Q					102+35	0.0000	0.01	Q								
97+30	0.0000	0.02	Q					102+40	0.0000	0.01	Q								
97+35	0.0000	0.02	Q					102+45	0.0000	0.01	Q								
97+40	0.0000	0.02	Q					102+50	0.0000	0.01	Q								
97+45	0.0000	0.02	Q					102+55	0.0000	0.01	Q								
97+50	0.0000	0.02	Q					103+ 0	0.0000	0.01	Q								
97+55	0.0000	0.02	Q					103+ 5	0.0000	0.01	Q								
98+ 0	0.0000	0.02	Q					103+10	0.0000	0.01	Q								
98+ 5	0.0000	0.02	Q					103+15	0.0000	0.01	Q								
98+10	0.0000	0.02	Q					103+20	0.0000	0.01	Q								
98+15	0.0000	0.02	Q					103+25	0.0000	0.01	Q								
98+20	0.0000	0.01	Q					103+30	0.0000	0.01	Q								
98+25	0.0000	0.01	Q					103+35	0.0000	0.01	Q								
98+30	0.0000	0.01	Q					103+40	0.0000	0.01	Q								
98+35	0.0000	0.01	Q					103+45	0.0000	0.01	Q								
98+40	0.0000	0.01	Q					103+50	0.0000	0.01	Q								
98+45	0.0000	0.01	Q					103+55	0.0000	0.01	Q								
98+50	0.0000	0.01	Q					104+ 0	0.0000	0.01	Q								
98+55	0.0000	0.01	Q					104+ 5	0.0000	0.01	Q								
99+ 0	0.0000	0.01	Q					104+10	0.0000	0.01	Q								
99+ 5	0.0000	0.01	Q					104+15	0.0000	0.01	Q								
99+10	0.0000	0.01	Q					104+20	0.0000	0.01	Q								
99+15	0.0000	0.01	Q					104+25	0.0000	0.01	Q								
99+20	0.0000	0.01	Q					104+30	0.0000	0.01	Q								
99+25	0.0000	0.01	Q					104+35	0.0000	0.01	Q								

104+40	0.0000	0.01	Q					109+50	0.0000	0.00	Q				
104+45	0.0000	0.01	Q					109+55	0.0000	0.00	Q				
104+50	0.0000	0.01	Q					110+ 0	0.0000	0.00	Q				
104+55	0.0000	0.01	Q					110+ 5	0.0000	0.00	Q				
105+ 0	0.0000	0.01	Q					110+10	0.0000	0.00	Q				
105+ 5	0.0000	0.01	Q					110+15	0.0000	0.00	Q				
105+10	0.0000	0.01	Q					110+20	0.0000	0.00	Q				
105+15	0.0000	0.01	Q					110+25	0.0000	0.00	Q				
105+20	0.0000	0.01	Q					110+30	0.0000	0.00	Q				
105+25	0.0000	0.01	Q					110+35	0.0000	0.00	Q				
105+30	0.0000	0.01	Q					110+40	0.0000	0.00	Q				
105+35	0.0000	0.01	Q					110+45	0.0000	0.00	Q				
105+40	0.0000	0.01	Q					110+50	0.0000	0.00	Q				
105+45	0.0000	0.01	Q					110+55	0.0000	0.00	Q				
105+50	0.0000	0.01	Q					111+ 0	0.0000	0.00	Q				
105+55	0.0000	0.01	Q					111+ 5	0.0000	0.00	Q				
106+ 0	0.0000	0.01	Q					111+10	0.0000	0.00	Q				
106+ 5	0.0000	0.01	Q					111+15	0.0000	0.00	Q				
106+10	0.0000	0.01	Q					111+20	0.0000	0.00	Q				
106+15	0.0000	0.01	Q					111+25	0.0000	0.00	Q				
106+20	0.0000	0.01	Q					111+30	0.0000	0.00	Q				
106+25	0.0000	0.01	Q					111+35	0.0000	0.00	Q				
106+30	0.0000	0.01	Q					111+40	0.0000	0.00	Q				
106+35	0.0000	0.01	Q					111+45	0.0000	0.00	Q				
106+40	0.0000	0.01	Q					111+50	0.0000	0.00	Q				
106+45	0.0000	0.01	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.01	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.01	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.01	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.01	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.01	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.01	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.01	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.01	Q					112+35	0.0000	0.00	Q				
107+30	0.0000	0.01	Q					112+40	0.0000	0.00	Q				
107+35	0.0000	0.01	Q					112+45	0.0000	0.00	Q				
107+40	0.0000	0.01	Q					112+50	0.0000	0.00	Q				
107+45	0.0000	0.01	Q					112+55	0.0000	0.00	Q				
107+50	0.0000	0.01	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.01	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.01	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.01	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.01	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.01	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.01	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.01	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.01	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.01	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.01	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.01	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.01	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.01	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				

115+ 0	0.0000	0.00	Q					120+10	0.0000	0.00	Q				
115+ 5	0.0000	0.00	Q					120+15	0.0000	0.00	Q				
115+10	0.0000	0.00	Q					120+20	0.0000	0.00	Q				
115+15	0.0000	0.00	Q					120+25	0.0000	0.00	Q				
115+20	0.0000	0.00	Q					120+30	0.0000	0.00	Q				
115+25	0.0000	0.00	Q					120+35	0.0000	0.00	Q				
115+30	0.0000	0.00	Q					120+40	0.0000	0.00	Q				
115+35	0.0000	0.00	Q					120+45	0.0000	0.00	Q				
115+40	0.0000	0.00	Q					120+50	0.0000	0.00	Q				
115+45	0.0000	0.00	Q					120+55	0.0000	0.00	Q				
115+50	0.0000	0.00	Q					121+ 0	0.0000	0.00	Q				
115+55	0.0000	0.00	Q					121+ 5	0.0000	0.00	Q				
116+ 0	0.0000	0.00	Q					121+10	0.0000	0.00	Q				
116+ 5	0.0000	0.00	Q					121+15	0.0000	0.00	Q				
116+10	0.0000	0.00	Q					121+20	0.0000	0.00	Q				
116+15	0.0000	0.00	Q					121+25	0.0000	0.00	Q				
116+20	0.0000	0.00	Q					121+30	0.0000	0.00	Q				
116+25	0.0000	0.00	Q					121+35	0.0000	0.00	Q				
116+30	0.0000	0.00	Q					121+40	0.0000	0.00	Q				
116+35	0.0000	0.00	Q					121+45	0.0000	0.00	Q				
116+40	0.0000	0.00	Q					121+50	0.0000	0.00	Q				
116+45	0.0000	0.00	Q					121+55	0.0000	0.00	Q				
116+50	0.0000	0.00	Q					122+ 0	0.0000	0.00	Q				
116+55	0.0000	0.00	Q					122+ 5	0.0000	0.00	Q				
117+ 0	0.0000	0.00	Q					122+10	0.0000	0.00	Q				
117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				
117+50	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
117+55	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				

125+20	0.0000	0.00	Q					130+30	0.0000	0.00	Q				
125+25	0.0000	0.00	Q					130+35	0.0000	0.00	Q				
125+30	0.0000	0.00	Q					130+40	0.0000	0.00	Q				
125+35	0.0000	0.00	Q					130+45	0.0000	0.00	Q				
125+40	0.0000	0.00	Q					130+50	0.0000	0.00	Q				
125+45	0.0000	0.00	Q					130+55	0.0000	0.00	Q				
125+50	0.0000	0.00	Q					131+ 0	0.0000	0.00	Q				
125+55	0.0000	0.00	Q					131+ 5	0.0000	0.00	Q				
126+ 0	0.0000	0.00	Q					131+10	0.0000	0.00	Q				
126+ 5	0.0000	0.00	Q					131+15	0.0000	0.00	Q				
126+10	0.0000	0.00	Q					131+20	0.0000	0.00	Q				
126+15	0.0000	0.00	Q					131+25	0.0000	0.00	Q				
126+20	0.0000	0.00	Q					131+30	0.0000	0.00	Q				
126+25	0.0000	0.00	Q					131+35	0.0000	0.00	Q				
126+30	0.0000	0.00	Q					131+40	0.0000	0.00	Q				
126+35	0.0000	0.00	Q					131+45	0.0000	0.00	Q				
126+40	0.0000	0.00	Q					131+50	0.0000	0.00	Q				
126+45	0.0000	0.00	Q					131+55	0.0000	0.00	Q				
126+50	0.0000	0.00	Q					132+ 0	0.0000	0.00	Q				
126+55	0.0000	0.00	Q					132+ 5	0.0000	0.00	Q				
127+ 0	0.0000	0.00	Q					132+10	0.0000	0.00	Q				
127+ 5	0.0000	0.00	Q					132+15	0.0000	0.00	Q				
127+10	0.0000	0.00	Q					132+20	0.0000	0.00	Q				
127+15	0.0000	0.00	Q					132+25	0.0000	0.00	Q				
127+20	0.0000	0.00	Q					132+30	0.0000	0.00	Q				
127+25	0.0000	0.00	Q					132+35	0.0000	0.00	Q				
127+30	0.0000	0.00	Q					132+40	0.0000	0.00	Q				
127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				

135+40	0.0000	0.00	Q	|	|	|	|
135+45	0.0000	0.00	Q	|	|	|	|
135+50	0.0000	0.00	Q	|	|	|	|
135+55	0.0000	0.00	Q	|	|	|	|
136+ 0	0.0000	0.00	Q	|	|	|	|
136+ 5	0.0000	0.00	Q	|	|	|	|
136+10	0.0000	0.00	Q	|	|	|	|
136+15	0.0000	0.00	Q	|	|	|	|
136+20	0.0000	0.00	Q	|	|	|	|
136+25	0.0000	0.00	Q	|	|	|	|
136+30	0.0000	0.00	Q	|	|	|	|
136+35	0.0000	0.00	Q	|	|	|	|
136+40	0.0000	0.00	Q	|	|	|	|
136+45	0.0000	0.00	Q	|	|	|	|
136+50	0.0000	0.00	Q	|	|	|	|
136+55	0.0000	0.00	Q	|	|	|	|
137+ 0	0.0000	0.00	Q	|	|	|	|
137+ 5	0.0000	0.00	Q	|	|	|	|
137+10	0.0000	0.00	Q	|	|	|	|
137+15	0.0000	0.00	Q	|	|	|	|
137+20	0.0000	0.00	Q	|	|	|	|
137+25	0.0000	0.00	Q	|	|	|	|
137+30	0.0000	0.00	Q	|	|	|	|
137+35	0.0000	0.00	Q	|	|	|	|
137+40	0.0000	0.00	Q	|	|	|	|
137+45	0.0000	0.00	Q	|	|	|	|
137+50	0.0000	0.00	Q	|	|	|	|
137+55	0.0000	0.00	Q	|	|	|	|
138+ 0	0.0000	0.00	Q	|	|	|	|
138+ 5	0.0000	0.00	Q	|	|	|	|
138+10	0.0000	0.00	Q	|	|	|	|
138+15	0.0000	0.00	Q	|	|	|	|
138+20	0.0000	0.00	Q	|	|	|	|
138+25	0.0000	0.00	Q	|	|	|	|
138+30	0.0000	0.00	Q	|	|	|	|
138+35	0.0000	0.00	Q	|	|	|	|
138+40	0.0000	0.00	Q	|	|	|	|
138+45	0.0000	0.00	Q	|	|	|	|
138+50	0.0000	0.00	Q	|	|	|	|
138+55	0.0000	0.00	Q	|	|	|	|
139+ 0	0.0000	0.00	Q	|	|	|	|
139+ 5	0.0000	0.00	Q	|	|	|	|
139+10	0.0000	0.00	Q	|	|	|	|
139+15	0.0000	0.00	Q	|	|	|	|
139+20	0.0000	0.00	Q	|	|	|	|
139+25	0.0000	0.00	Q	|	|	|	|
139+30	0.0000	0.00	Q	|	|	|	|
139+35	0.0000	0.00	Q	|	|	|	|
139+40	0.0000	0.00	Q	|	|	|	|
139+45	0.0000	0.00	Q	|	|	|	|
139+50	0.0000	0.00	Q	|	|	|	|
139+55	0.0000	0.00	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 5002
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 348.916 (CFS)
Total volume = 49.302 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	36.978	1.786	0.000	0.000
Vol (Ac.Ft)	0.000	7.946	3.114	0.000	0.000

****

Process from Point/Station 10.900 to Point/Station 10.960
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 2 the total
volume of 7.95 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	96.5	192.9	289.4	385.9
0+ 5	0.0154	0.28	Q	|	|	|	|
0+10	0.0754	1.26	Q	|	|	|	|
0+15	0.1785	3.17	Q	|	|	|	|
0+20	0.2979	7.21	Q	|	|	|	|
0+25	0.4200	10.23	qQ	|	|	|	|
0+30	0.5160	11.96	qQ	|	|	|	|
0+35	0.5638	13.24	qQ	|	|	|	|
0+40	0.6139	14.42	qQ	|	|	|	|
0+45	0.6645	15.80	qQ	|	|	|	|
0+50	0.7151	16.76	qQ	|	|	|	|
0+55	0.7524	17.40	qQ	|	|	|	|
1+ 0	0.7851	17.95	qQ	|	|	|	|
1+ 5	0.8200	18.51	qQ	|	|	|	|
1+10	0.8568	19.14	qQ	|	|	|	|
1+15	0.8940	20.08	q Q	|	|	|	|
1+20	0.9246	20.73	q Q	|	|	|	|
1+25	0.9501	21.14	q Q	|	|	|	|
1+30	0.9755	21.47	q Q	|	|	|	|
1+35	1.0009	21.75	q Q	|	|	|	|
1+40	1.0262	21.98	q Q	|	|	|	|
1+45	1.0514	22.20	q Q	|	|	|	|
1+50	1.0720	22.38	q Q	|	|	|	|
1+55	1.0903	22.50	q Q	|	|	|	|
2+ 0	1.1090	22.66	q Q	|	|	|	|
2+ 5	1.1285	22.86	q Q	|	|	|	|
2+10	1.1481	23.14	q Q	|	|	|	|
2+15	1.1682	23.77	q Q	|	|	|	|
2+20	1.1890	23.88	q Q	|	|	|	|
2+25	1.2045	24.44	q Q	|	|	|	|
2+30	1.2197	24.86	q Q	|	|	|	|
2+35	1.2349	25.09	q Q	|	|	|	|
2+40	1.2501	25.27	q Q	|	|	|	|
2+45	1.2657	25.47	q Q	|	|	|	|
2+50	1.2824	25.77	q Q	|	|	|	|
2+55	1.3002	26.20	q Q	|	|	|	|
3+ 0	1.3157	27.00	q Q	|	|	|	|
3+ 5	1.3313	27.51	q Q	|	|	|	|
3+10	1.3472	27.97	q Q	|	|	|	|
3+15	1.3643	28.73	q Q	|	|	|	|
3+20	1.3824	29.94	q Q	|	|	|	|

3+25	1.4011	32.60	q Q
3+30	1.4191	35.06	q Q
3+35	1.4372	38.23	q Q
3+40	1.4572	44.04	q Q
3+45	1.4787	51.07	q Q
3+50	1.5014	58.07	q Q
3+55	1.5221	63.48	q Q
4+ 0	1.5419	69.68	q Q
4+ 5	1.5626	74.96	q Q
4+10	1.5846	81.35	q Q
4+15	1.6072	87.34	q Q
4+20	1.6298	95.08	q Q
4+25	1.6540	104.13	q Q
4+30	1.6797	113.49	q Q
4+35	1.7034	122.72	q Q
4+40	1.7262	131.53	q Q
4+45	1.7491	138.88	q Q
4+50	2.0516	147.70	q Q
4+55	4.3604	159.06	q Q
5+ 0	6.6344	170.11	q Q
5+ 5	8.9681	180.71	q Q
5+10	10.8803	195.20	q Q
5+15	12.4961	215.52	q Q
5+20	14.3218	247.27	q Q
5+25	17.9706	286.21	q Q
5+30	22.8145	326.53	q Q
5+35	28.9870	362.45	q Q
5+40	36.9776	385.89	q Q
5+45	36.7976	378.90	q Q
5+50	32.9968	278.60	q Q
5+55	28.5136	194.61	q Q
6+ 0	25.9118	150.42	q Q
6+ 5	24.5643	122.04	q Q
6+10	23.1943	99.58	q Q
6+15	21.8440	81.05	q Q
6+20	20.5558	65.43	q Q
6+25	19.3401	52.97	q Q
6+30	18.1956	43.22	q Q
6+35	17.1188	35.47	q Q
6+40	16.1058	29.63	q Q
6+45	15.1527	26.19	qQ
6+50	14.6323	24.18	qQ
6+55	14.2360	22.58	qQ
7+ 0	13.8504	21.16	qQ
7+ 5	13.4753	20.13	qQ
7+10	13.1103	19.00	Q
7+15	12.7552	17.67	Q
7+20	12.4097	16.62	Q
7+25	12.0736	15.74	Q
7+30	11.7465	15.05	Q
7+35	11.4284	14.50	Q
7+40	11.1188	14.12	Q
7+45	10.8177	13.79	Q
7+50	10.5246	13.49	Q
7+55	10.2396	13.19	Q
8+ 0	9.8534	12.80	Q
8+ 5	9.3593	12.30	qQ
8+10	8.8900	11.83	qQ
8+15	8.4442	11.38	qQ
8+20	8.0207	10.95	qQ
8+25	7.6185	10.55	qQ
8+30	7.2365	10.16	qQ
8+35	6.8736	9.80	qQ
8+40	6.5289	9.45	Q
8+45	6.2015	9.12	Q
8+50	5.8905	8.81	Q
8+55	5.5951	8.51	Q
9+ 0	5.3145	8.23	Q
9+ 5	5.0480	7.96	Q
9+10	4.7949	7.70	Q
9+15	4.5544	7.46	Q
9+20	4.3260	7.23	Q
9+25	4.1091	7.01	Q
9+30	3.9031	6.80	Q
9+35	3.7073	6.60	Q
9+40	3.5214	6.41	Q
9+45	3.3448	6.23	Q
9+50	3.1771	6.06	Q
9+55	3.0178	5.90	Q
10+ 0	2.8664	5.75	Q
10+ 5	2.7227	5.60	Q
10+10	2.5862	5.46	Q
10+15	2.4565	5.33	Q
10+20	2.3333	5.21	Q
10+25	2.2163	5.09	Q
10+30	2.1051	4.97	Q
10+35	1.9996	4.86	Q
10+40	1.8993	4.76	Q
10+45	1.8041	4.66	Q
10+50	1.7694	4.63	Q
10+55	1.7685	4.62	Q
11+ 0	1.7675	4.62	Q
11+ 5	1.7666	4.62	Q
11+10	1.7656	4.61	Q
11+15	1.7647	4.61	Q
11+20	1.7638	4.61	Q
11+25	1.7628	4.60	Q
11+30	1.7619	4.60	Q
11+35	1.7610	4.60	Q
11+40	1.7600	4.59	Q
11+45	1.7591	4.59	Q
11+50	1.7581	4.59	Q
11+55	1.7572	4.58	Q
12+ 0	1.7563	4.58	Q
12+ 5	1.7553	4.58	Q
12+10	1.7544	4.57	Q
12+15	1.7535	4.57	Q
12+20	1.7525	4.57	Q
12+25	1.7516	4.56	Q
12+30	1.7507	4.56	Q
12+35	1.7498	4.56	Q
12+40	1.7488	4.55	Q
12+45	1.7479	4.55	Q
12+50	1.7470	4.55	Q
12+55	1.7460	4.54	Q
13+ 0	1.7451	4.54	Q
13+ 5	1.7442	4.54	Q
13+10	1.7432	4.53	Q
13+15	1.7423	4.53	Q
13+20	1.7414	4.52	Q
13+25	1.7405	4.52	Q
13+30	1.7395	4.52	Q
13+35	1.7386	4.51	Q
13+40	1.7377	4.51	Q

13+45	1.7368	4.51	Q				
13+50	1.7358	4.50	Q				
13+55	1.7349	4.50	Q				
14+ 0	1.7340	4.50	Q				
14+ 5	1.7331	4.49	Q				
14+10	1.7322	4.49	Q				
14+15	1.7312	4.49	Q				
14+20	1.7303	4.48	Q				
14+25	1.7294	4.48	Q				
14+30	1.7284	4.48	Q				
14+35	1.7274	4.47	Q				
14+40	1.7265	4.47	Q				
14+45	1.7255	4.47	Q				
14+50	1.7245	4.46	Q				
14+55	1.7236	4.46	Q				
15+ 0	1.7226	4.46	Q				
15+ 5	1.7216	4.45	Q				
15+10	1.7207	4.45	Q				
15+15	1.7197	4.45	Q				
15+20	1.7187	4.44	Q				
15+25	1.7178	4.44	Q				
15+30	1.7168	4.44	Q				
15+35	1.7159	4.43	Q				
15+40	1.7149	4.43	Q				
15+45	1.7139	4.43	Q				
15+50	1.7130	4.42	Q				
15+55	1.7120	4.42	Q				
16+ 0	1.7111	4.42	Q				
16+ 5	1.7101	4.41	Q				
16+10	1.7092	4.41	Q				
16+15	1.7082	4.41	Q				
16+20	1.7072	4.40	Q				
16+25	1.7063	4.40	Q				
16+30	1.7053	4.40	Q				
16+35	1.7044	4.39	Q				
16+40	1.7034	4.39	Q				
16+45	1.7025	4.39	Q				
16+50	1.7015	4.38	Q				
16+55	1.7006	4.38	Q				
17+ 0	1.6996	4.38	Q				
17+ 5	1.6987	4.37	Q				
17+10	1.6977	4.37	Q				
17+15	1.6968	4.36	Q				
17+20	1.6958	4.36	Q				
17+25	1.6949	4.36	Q				
17+30	1.6939	4.35	Q				
17+35	1.6930	4.35	Q				
17+40	1.6920	4.34	Q				
17+45	1.6911	4.34	Q				
17+50	1.6901	4.34	Q				
17+55	1.6890	4.33	Q				
18+ 0	1.6878	4.33	Q				
18+ 5	1.6867	4.32	Q				
18+10	1.6855	4.32	Q				
18+15	1.6844	4.32	Q				
18+20	1.6832	4.31	Q				
18+25	1.6821	4.31	Q				
18+30	1.6809	4.31	Q				
18+35	1.6798	4.30	Q				
18+40	1.6787	4.30	Q				
18+45	1.6775	4.29	Q				
18+50	1.6764	4.29	Q				
18+55	1.6752	4.29	Q				
19+ 0	1.6741	4.28	Q				
19+ 5	1.6729	4.28	Q				
19+10	1.6718	4.27	Q				
19+15	1.6707	4.27	Q				
19+20	1.6695	4.27	Q				
19+25	1.6684	4.26	Q				
19+30	1.6673	4.26	Q				
19+35	1.6661	4.25	Q				
19+40	1.6650	4.25	Q				
19+45	1.6638	4.25	Q				
19+50	1.6627	4.24	Q				
19+55	1.6616	4.24	Q				
20+ 0	1.6604	4.23	Q				
20+ 5	1.6593	4.23	Q				
20+10	1.6582	4.23	Q				
20+15	1.6570	4.22	Q				
20+20	1.6559	4.22	Q				
20+25	1.6548	4.21	Q				
20+30	1.6537	4.21	Q				
20+35	1.6525	4.21	Q				
20+40	1.6514	4.20	Q				
20+45	1.6503	4.20	Q				
20+50	1.6492	4.20	Q				
20+55	1.6480	4.19	Q				
21+ 0	1.6469	4.19	Q				
21+ 5	1.6458	4.18	Q				
21+10	1.6447	4.18	Q				
21+15	1.6435	4.18	Q				
21+20	1.6424	4.17	Q				
21+25	1.6413	4.17	Q				
21+30	1.6402	4.16	Q				
21+35	1.6391	4.16	Q				
21+40	1.6380	4.16	Q				
21+45	1.6368	4.15	Q				
21+50	1.6357	4.15	Q				
21+55	1.6346	4.14	Q				
22+ 0	1.6335	4.14	Q				
22+ 5	1.6324	4.14	Q				
22+10	1.6313	4.13	Q				
22+15	1.6302	4.13	Q				
22+20	1.6290	4.12	Q				
22+25	1.6279	4.12	Q				
22+30	1.6268	4.11	Q				
22+35	1.6257	4.11	Q				
22+40	1.6246	4.11	Q				
22+45	1.6235	4.10	Q				
22+50	1.6224	4.10	Q				
22+55	1.6213	4.09	Q				
23+ 0	1.6202	4.09	Q				
23+ 5	1.6191	4.09	Q				
23+10	1.6180	4.08	Q				
23+15	1.6169	4.08	Q				
23+20	1.6158	4.07	Q				
23+25	1.6147	4.07	Q				
23+30	1.6136	4.06	Q				
23+35	1.6125	4.06	Q				
23+40	1.6114	4.06	Q				
23+45	1.6103	4.05	Q				
23+50	1.6092	4.05	Q				
23+55	1.6081	4.04	Q				
24+ 0	1.6070	4.04	Q				

24+ 5	1.6059	4.04	Q					29+15	0.0000	2.11	Q				
24+10	1.6048	4.03	Q					29+20	0.0000	2.11	Q				
24+15	1.6037	4.03	Q					29+25	0.0000	2.11	Q				
24+20	1.6026	4.02	Q					29+30	0.0000	2.10	Q				
24+25	1.6015	4.02	Q					29+35	0.0000	2.10	Q				
24+30	1.6004	4.01	Q					29+40	0.0000	2.10	Q				
24+35	1.5992	4.01	Q					29+45	0.0000	2.09	Q				
24+40	1.5980	4.01	Q					29+50	0.0000	2.09	Q				
24+45	1.5968	4.00	Q					29+55	0.0000	2.09	Q				
24+50	1.5956	4.00	Q					30+ 0	0.0000	2.09	Q				
24+55	1.5944	3.99	Q					30+ 5	0.0000	2.08	Q				
25+ 0	1.5931	3.99	Q					30+10	0.0000	2.08	Q				
25+ 5	0.0000	2.25	Q					30+15	0.0000	2.08	Q				
25+10	0.0000	2.25	Q					30+20	0.0000	2.07	Q				
25+15	0.0000	2.25	Q					30+25	0.0000	2.07	Q				
25+20	0.0000	2.24	Q					30+30	0.0000	2.07	Q				
25+25	0.0000	2.24	Q					30+35	0.0000	2.07	Q				
25+30	0.0000	2.24	Q					30+40	0.0000	2.06	Q				
25+35	0.0000	2.24	Q					30+45	0.0000	2.06	Q				
25+40	0.0000	2.23	Q					30+50	0.0000	2.06	Q				
25+45	0.0000	2.23	Q					30+55	0.0000	2.05	Q				
25+50	0.0000	2.23	Q					31+ 0	0.0000	2.05	Q				
25+55	0.0000	2.22	Q					31+ 5	0.0000	2.05	Q				
26+ 0	0.0000	2.22	Q					31+10	0.0000	2.05	Q				
26+ 5	0.0000	2.22	Q					31+15	0.0000	2.04	Q				
26+10	0.0000	2.22	Q					31+20	0.0000	2.04	Q				
26+15	0.0000	2.21	Q					31+25	0.0000	2.04	Q				
26+20	0.0000	2.21	Q					31+30	0.0000	2.03	Q				
26+25	0.0000	2.21	Q					31+35	0.0000	2.03	Q				
26+30	0.0000	2.21	Q					31+40	0.0000	2.03	Q				
26+35	0.0000	2.20	Q					31+45	0.0000	2.02	Q				
26+40	0.0000	2.20	Q					31+50	0.0000	2.02	Q				
26+45	0.0000	2.20	Q					31+55	0.0000	2.02	Q				
26+50	0.0000	2.19	Q					32+ 0	0.0000	2.01	Q				
26+55	0.0000	2.19	Q					32+ 5	0.0000	2.01	Q				
27+ 0	0.0000	2.19	Q					32+10	0.0000	2.01	Q				
27+ 5	0.0000	2.19	Q					32+15	0.0000	2.00	Q				
27+10	0.0000	2.18	Q					32+20	0.0000	2.00	Q				
27+15	0.0000	2.18	Q					32+25	0.0000	2.00	Q				
27+20	0.0000	2.18	Q					32+30	0.0000	1.99	Q				
27+25	0.0000	2.17	Q					32+35	0.0000	1.99	Q				
27+30	0.0000	2.17	Q					32+40	0.0000	1.99	Q				
27+35	0.0000	2.17	Q					32+45	0.0000	1.98	Q				
27+40	0.0000	2.16	Q					32+50	0.0000	1.98	Q				
27+45	0.0000	2.16	Q					32+55	0.0000	1.97	Q				
27+50	0.0000	2.16	Q					33+ 0	0.0000	1.97	Q				
27+55	0.0000	2.16	Q					33+ 5	0.0000	1.97	Q				
28+ 0	0.0000	2.15	Q					33+10	0.0000	1.96	Q				
28+ 5	0.0000	2.15	Q					33+15	0.0000	1.96	Q				
28+10	0.0000	2.15	Q					33+20	0.0000	1.96	Q				
28+15	0.0000	2.14	Q					33+25	0.0000	1.95	Q				
28+20	0.0000	2.14	Q					33+30	0.0000	1.95	Q				
28+25	0.0000	2.14	Q					33+35	0.0000	1.95	Q				
28+30	0.0000	2.14	Q					33+40	0.0000	1.94	Q				
28+35	0.0000	2.13	Q					33+45	0.0000	1.94	Q				
28+40	0.0000	2.13	Q					33+50	0.0000	1.94	Q				
28+45	0.0000	2.13	Q					33+55	0.0000	1.93	Q				
28+50	0.0000	2.12	Q					34+ 0	0.0000	1.93	Q				
28+55	0.0000	2.12	Q					34+ 5	0.0000	1.93	Q				
29+ 0	0.0000	2.12	Q					34+10	0.0000	1.92	Q				
29+ 5	0.0000	2.12	Q					34+15	0.0000	1.92	Q				
29+10	0.0000	2.11	Q					34+20	0.0000	1.92	Q				

34+25	0.0000	1.91	Q					39+35	0.0000	1.69	Q				
34+30	0.0000	1.91	Q					39+40	0.0000	1.69	Q				
34+35	0.0000	1.91	Q					39+45	0.0000	1.69	Q				
34+40	0.0000	1.90	Q					39+50	0.0000	1.68	Q				
34+45	0.0000	1.90	Q					39+55	0.0000	1.68	Q				
34+50	0.0000	1.90	Q					40+ 0	0.0000	1.68	Q				
34+55	0.0000	1.89	Q					40+ 5	0.0000	1.67	Q				
35+ 0	0.0000	1.89	Q					40+10	0.0000	1.67	Q				
35+ 5	0.0000	1.89	Q					40+15	0.0000	1.67	Q				
35+10	0.0000	1.88	Q					40+20	0.0000	1.66	Q				
35+15	0.0000	1.88	Q					40+25	0.0000	1.66	Q				
35+20	0.0000	1.88	Q					40+30	0.0000	1.66	Q				
35+25	0.0000	1.87	Q					40+35	0.0000	1.65	Q				
35+30	0.0000	1.87	Q					40+40	0.0000	1.65	Q				
35+35	0.0000	1.87	Q					40+45	0.0000	1.64	Q				
35+40	0.0000	1.86	Q					40+50	0.0000	1.64	Q				
35+45	0.0000	1.86	Q					40+55	0.0000	1.64	Q				
35+50	0.0000	1.86	Q					41+ 0	0.0000	1.63	Q				
35+55	0.0000	1.85	Q					41+ 5	0.0000	1.63	Q				
36+ 0	0.0000	1.85	Q					41+10	0.0000	1.62	Q				
36+ 5	0.0000	1.85	Q					41+15	0.0000	1.62	Q				
36+10	0.0000	1.84	Q					41+20	0.0000	1.61	Q				
36+15	0.0000	1.84	Q					41+25	0.0000	1.61	Q				
36+20	0.0000	1.84	Q					41+30	0.0000	1.60	Q				
36+25	0.0000	1.83	Q					41+35	0.0000	1.60	Q				
36+30	0.0000	1.83	Q					41+40	0.0000	1.60	Q				
36+35	0.0000	1.82	Q					41+45	0.0000	1.59	Q				
36+40	0.0000	1.82	Q					41+50	0.0000	1.59	Q				
36+45	0.0000	1.82	Q					41+55	0.0000	1.58	Q				
36+50	0.0000	1.81	Q					42+ 0	0.0000	1.58	Q				
36+55	0.0000	1.81	Q					42+ 5	0.0000	1.57	Q				
37+ 0	0.0000	1.81	Q					42+10	0.0000	1.57	Q				
37+ 5	0.0000	1.80	Q					42+15	0.0000	1.56	Q				
37+10	0.0000	1.80	Q					42+20	0.0000	1.56	Q				
37+15	0.0000	1.79	Q					42+25	0.0000	1.56	Q				
37+20	0.0000	1.79	Q					42+30	0.0000	1.55	Q				
37+25	0.0000	1.79	Q					42+35	0.0000	1.55	Q				
37+30	0.0000	1.78	Q					42+40	0.0000	1.54	Q				
37+35	0.0000	1.78	Q					42+45	0.0000	1.54	Q				
37+40	0.0000	1.78	Q					42+50	0.0000	1.53	Q				
37+45	0.0000	1.77	Q					42+55	0.0000	1.53	Q				
37+50	0.0000	1.77	Q					43+ 0	0.0000	1.53	Q				
37+55	0.0000	1.77	Q					43+ 5	0.0000	1.52	Q				
38+ 0	0.0000	1.76	Q					43+10	0.0000	1.52	Q				
38+ 5	0.0000	1.76	Q					43+15	0.0000	1.51	Q				
38+10	0.0000	1.75	Q					43+20	0.0000	1.51	Q				
38+15	0.0000	1.75	Q					43+25	0.0000	1.50	Q				
38+20	0.0000	1.75	Q					43+30	0.0000	1.50	Q				
38+25	0.0000	1.74	Q					43+35	0.0000	1.50	Q				
38+30	0.0000	1.74	Q					43+40	0.0000	1.49	Q				
38+35	0.0000	1.74	Q					43+45	0.0000	1.49	Q				
38+40	0.0000	1.73	Q					43+50	0.0000	1.48	Q				
38+45	0.0000	1.73	Q					43+55	0.0000	1.48	Q				
38+50	0.0000	1.73	Q					44+ 0	0.0000	1.48	Q				
38+55	0.0000	1.72	Q					44+ 5	0.0000	1.47	Q				
39+ 0	0.0000	1.72	Q					44+10	0.0000	1.47	Q				
39+ 5	0.0000	1.72	Q					44+15	0.0000	1.46	Q				
39+10	0.0000	1.71	Q					44+20	0.0000	1.46	Q				
39+15	0.0000	1.71	Q					44+25	0.0000	1.46	Q				
39+20	0.0000	1.70	Q					44+30	0.0000	1.45	Q				
39+25	0.0000	1.70	Q					44+35	0.0000	1.45	Q				
39+30	0.0000	1.70	Q					44+40	0.0000	1.44	Q				

44+45	0.0000	1.44	Q					49+55	0.0000	1.14	Q				
44+50	0.0000	1.44	Q					50+ 0	0.0000	1.14	Q				
44+55	0.0000	1.43	Q					50+ 5	0.0000	1.14	Q				
45+ 0	0.0000	1.43	Q					50+10	0.0000	1.13	Q				
45+ 5	0.0000	1.42	Q					50+15	0.0000	1.13	Q				
45+10	0.0000	1.42	Q					50+20	0.0000	1.12	Q				
45+15	0.0000	1.42	Q					50+25	0.0000	1.12	Q				
45+20	0.0000	1.41	Q					50+30	0.0000	1.11	Q				
45+25	0.0000	1.41	Q					50+35	0.0000	1.10	Q				
45+30	0.0000	1.40	Q					50+40	0.0000	1.09	Q				
45+35	0.0000	1.40	Q					50+45	0.0000	1.08	Q				
45+40	0.0000	1.39	Q					50+50	0.0000	1.07	Q				
45+45	0.0000	1.39	Q					50+55	0.0000	1.06	Q				
45+50	0.0000	1.38	Q					51+ 0	0.0000	1.05	Q				
45+55	0.0000	1.38	Q					51+ 5	0.0000	1.05	Q				
46+ 0	0.0000	1.37	Q					51+10	0.0000	1.04	Q				
46+ 5	0.0000	1.36	Q					51+15	0.0000	1.03	Q				
46+10	0.0000	1.36	Q					51+20	0.0000	1.02	Q				
46+15	0.0000	1.35	Q					51+25	0.0000	1.01	Q				
46+20	0.0000	1.35	Q					51+30	0.0000	1.00	Q				
46+25	0.0000	1.34	Q					51+35	0.0000	1.00	Q				
46+30	0.0000	1.34	Q					51+40	0.0000	0.99	Q				
46+35	0.0000	1.33	Q					51+45	0.0000	0.98	Q				
46+40	0.0000	1.33	Q					51+50	0.0000	0.97	Q				
46+45	0.0000	1.32	Q					51+55	0.0000	0.96	Q				
46+50	0.0000	1.32	Q					52+ 0	0.0000	0.96	Q				
46+55	0.0000	1.31	Q					52+ 5	0.0000	0.95	Q				
47+ 0	0.0000	1.31	Q					52+10	0.0000	0.94	Q				
47+ 5	0.0000	1.30	Q					52+15	0.0000	0.93	Q				
47+10	0.0000	1.30	Q					52+20	0.0000	0.92	Q				
47+15	0.0000	1.29	Q					52+25	0.0000	0.92	Q				
47+20	0.0000	1.29	Q					52+30	0.0000	0.91	Q				
47+25	0.0000	1.28	Q					52+35	0.0000	0.90	Q				
47+30	0.0000	1.28	Q					52+40	0.0000	0.89	Q				
47+35	0.0000	1.27	Q					52+45	0.0000	0.89	Q				
47+40	0.0000	1.27	Q					52+50	0.0000	0.88	Q				
47+45	0.0000	1.26	Q					52+55	0.0000	0.87	Q				
47+50	0.0000	1.26	Q					53+ 0	0.0000	0.87	Q				
47+55	0.0000	1.25	Q					53+ 5	0.0000	0.86	Q				
48+ 0	0.0000	1.25	Q					53+10	0.0000	0.85	Q				
48+ 5	0.0000	1.24	Q					53+15	0.0000	0.84	Q				
48+10	0.0000	1.24	Q					53+20	0.0000	0.84	Q				
48+15	0.0000	1.24	Q					53+25	0.0000	0.83	Q				
48+20	0.0000	1.23	Q					53+30	0.0000	0.82	Q				
48+25	0.0000	1.23	Q					53+35	0.0000	0.82	Q				
48+30	0.0000	1.22	Q					53+40	0.0000	0.81	Q				
48+35	0.0000	1.22	Q					53+45	0.0000	0.80	Q				
48+40	0.0000	1.21	Q					53+50	0.0000	0.80	Q				
48+45	0.0000	1.21	Q					53+55	0.0000	0.79	Q				
48+50	0.0000	1.20	Q					54+ 0	0.0000	0.78	Q				
48+55	0.0000	1.20	Q					54+ 5	0.0000	0.78	Q				
49+ 0	0.0000	1.19	Q					54+10	0.0000	0.77	Q				
49+ 5	0.0000	1.19	Q					54+15	0.0000	0.76	Q				
49+10	0.0000	1.18	Q					54+20	0.0000	0.76	Q				
49+15	0.0000	1.18	Q					54+25	0.0000	0.75	Q				
49+20	0.0000	1.18	Q					54+30	0.0000	0.75	Q				
49+25	0.0000	1.17	Q					54+35	0.0000	0.74	Q				
49+30	0.0000	1.17	Q					54+40	0.0000	0.73	Q				
49+35	0.0000	1.16	Q					54+45	0.0000	0.73	Q				
49+40	0.0000	1.16	Q					54+50	0.0000	0.72	Q				
49+45	0.0000	1.15	Q					54+55	0.0000	0.72	Q				
49+50	0.0000	1.15	Q					55+ 0	0.0000	0.71	Q				

55+ 5	0.0000	0.70	Q					60+15	0.0000	0.51	Q				
55+10	0.0000	0.70	Q					60+20	0.0000	0.51	Q				
55+15	0.0000	0.69	Q					60+25	0.0000	0.51	Q				
55+20	0.0000	0.69	Q					60+30	0.0000	0.51	Q				
55+25	0.0000	0.68	Q					60+35	0.0000	0.51	Q				
55+30	0.0000	0.68	Q					60+40	0.0000	0.50	Q				
55+35	0.0000	0.67	Q					60+45	0.0000	0.50	Q				
55+40	0.0000	0.66	Q					60+50	0.0000	0.50	Q				
55+45	0.0000	0.66	Q					60+55	0.0000	0.50	Q				
55+50	0.0000	0.65	Q					61+ 0	0.0000	0.50	Q				
55+55	0.0000	0.65	Q					61+ 5	0.0000	0.50	Q				
56+ 0	0.0000	0.64	Q					61+10	0.0000	0.49	Q				
56+ 5	0.0000	0.64	Q					61+15	0.0000	0.49	Q				
56+10	0.0000	0.63	Q					61+20	0.0000	0.49	Q				
56+15	0.0000	0.63	Q					61+25	0.0000	0.49	Q				
56+20	0.0000	0.62	Q					61+30	0.0000	0.49	Q				
56+25	0.0000	0.62	Q					61+35	0.0000	0.49	Q				
56+30	0.0000	0.61	Q					61+40	0.0000	0.49	Q				
56+35	0.0000	0.61	Q					61+45	0.0000	0.48	Q				
56+40	0.0000	0.60	Q					61+50	0.0000	0.48	Q				
56+45	0.0000	0.60	Q					61+55	0.0000	0.48	Q				
56+50	0.0000	0.59	Q					62+ 0	0.0000	0.48	Q				
56+55	0.0000	0.59	Q					62+ 5	0.0000	0.48	Q				
57+ 0	0.0000	0.58	Q					62+10	0.0000	0.48	Q				
57+ 5	0.0000	0.58	Q					62+15	0.0000	0.47	Q				
57+10	0.0000	0.58	Q					62+20	0.0000	0.47	Q				
57+15	0.0000	0.58	Q					62+25	0.0000	0.47	Q				
57+20	0.0000	0.57	Q					62+30	0.0000	0.47	Q				
57+25	0.0000	0.57	Q					62+35	0.0000	0.47	Q				
57+30	0.0000	0.57	Q					62+40	0.0000	0.47	Q				
57+35	0.0000	0.57	Q					62+45	0.0000	0.47	Q				
57+40	0.0000	0.57	Q					62+50	0.0000	0.46	Q				
57+45	0.0000	0.56	Q					62+55	0.0000	0.46	Q				
57+50	0.0000	0.56	Q					63+ 0	0.0000	0.46	Q				
57+55	0.0000	0.56	Q					63+ 5	0.0000	0.46	Q				
58+ 0	0.0000	0.56	Q					63+10	0.0000	0.46	Q				
58+ 5	0.0000	0.56	Q					63+15	0.0000	0.46	Q				
58+10	0.0000	0.56	Q					63+20	0.0000	0.45	Q				
58+15	0.0000	0.55	Q					63+25	0.0000	0.45	Q				
58+20	0.0000	0.55	Q					63+30	0.0000	0.45	Q				
58+25	0.0000	0.55	Q					63+35	0.0000	0.45	Q				
58+30	0.0000	0.55	Q					63+40	0.0000	0.45	Q				
58+35	0.0000	0.55	Q					63+45	0.0000	0.45	Q				
58+40	0.0000	0.54	Q					63+50	0.0000	0.45	Q				
58+45	0.0000	0.54	Q					63+55	0.0000	0.44	Q				
58+50	0.0000	0.54	Q					64+ 0	0.0000	0.44	Q				
58+55	0.0000	0.54	Q					64+ 5	0.0000	0.44	Q				
59+ 0	0.0000	0.54	Q					64+10	0.0000	0.44	Q				
59+ 5	0.0000	0.54	Q					64+15	0.0000	0.44	Q				
59+10	0.0000	0.53	Q					64+20	0.0000	0.44	Q				
59+15	0.0000	0.53	Q					64+25	0.0000	0.44	Q				
59+20	0.0000	0.53	Q					64+30	0.0000	0.43	Q				
59+25	0.0000	0.53	Q					64+35	0.0000	0.43	Q				
59+30	0.0000	0.53	Q					64+40	0.0000	0.43	Q				
59+35	0.0000	0.53	Q					64+45	0.0000	0.43	Q				
59+40	0.0000	0.52	Q					64+50	0.0000	0.43	Q				
59+45	0.0000	0.52	Q					64+55	0.0000	0.43	Q				
59+50	0.0000	0.52	Q					65+ 0	0.0000	0.43	Q				
59+55	0.0000	0.52	Q					65+ 5	0.0000	0.42	Q				
60+ 0	0.0000	0.52	Q					65+10	0.0000	0.42	Q				
60+ 5	0.0000	0.52	Q					65+15	0.0000	0.42	Q				
60+10	0.0000	0.51	Q					65+20	0.0000	0.42	Q				

65+25	0.0000	0.42	Q					70+35	0.0000	0.27	Q				
65+30	0.0000	0.42	Q					70+40	0.0000	0.26	Q				
65+35	0.0000	0.42	Q					70+45	0.0000	0.26	Q				
65+40	0.0000	0.42	Q					70+50	0.0000	0.26	Q				
65+45	0.0000	0.41	Q					70+55	0.0000	0.26	Q				
65+50	0.0000	0.41	Q					71+ 0	0.0000	0.25	Q				
65+55	0.0000	0.41	Q					71+ 5	0.0000	0.25	Q				
66+ 0	0.0000	0.41	Q					71+10	0.0000	0.25	Q				
66+ 5	0.0000	0.41	Q					71+15	0.0000	0.25	Q				
66+10	0.0000	0.41	Q					71+20	0.0000	0.25	Q				
66+15	0.0000	0.41	Q					71+25	0.0000	0.24	Q				
66+20	0.0000	0.40	Q					71+30	0.0000	0.24	Q				
66+25	0.0000	0.40	Q					71+35	0.0000	0.24	Q				
66+30	0.0000	0.40	Q					71+40	0.0000	0.24	Q				
66+35	0.0000	0.40	Q					71+45	0.0000	0.24	Q				
66+40	0.0000	0.40	Q					71+50	0.0000	0.23	Q				
66+45	0.0000	0.40	Q					71+55	0.0000	0.23	Q				
66+50	0.0000	0.39	Q					72+ 0	0.0000	0.23	Q				
66+55	0.0000	0.39	Q					72+ 5	0.0000	0.23	Q				
67+ 0	0.0000	0.39	Q					72+10	0.0000	0.23	Q				
67+ 5	0.0000	0.38	Q					72+15	0.0000	0.22	Q				
67+10	0.0000	0.38	Q					72+20	0.0000	0.22	Q				
67+15	0.0000	0.38	Q					72+25	0.0000	0.22	Q				
67+20	0.0000	0.37	Q					72+30	0.0000	0.22	Q				
67+25	0.0000	0.37	Q					72+35	0.0000	0.22	Q				
67+30	0.0000	0.37	Q					72+40	0.0000	0.21	Q				
67+35	0.0000	0.36	Q					72+45	0.0000	0.21	Q				
67+40	0.0000	0.36	Q					72+50	0.0000	0.21	Q				
67+45	0.0000	0.36	Q					72+55	0.0000	0.21	Q				
67+50	0.0000	0.35	Q					73+ 0	0.0000	0.21	Q				
67+55	0.0000	0.35	Q					73+ 5	0.0000	0.21	Q				
68+ 0	0.0000	0.35	Q					73+10	0.0000	0.20	Q				
68+ 5	0.0000	0.34	Q					73+15	0.0000	0.20	Q				
68+10	0.0000	0.34	Q					73+20	0.0000	0.20	Q				
68+15	0.0000	0.34	Q					73+25	0.0000	0.20	Q				
68+20	0.0000	0.34	Q					73+30	0.0000	0.20	Q				
68+25	0.0000	0.33	Q					73+35	0.0000	0.19	Q				
68+30	0.0000	0.33	Q					73+40	0.0000	0.19	Q				
68+35	0.0000	0.33	Q					73+45	0.0000	0.19	Q				
68+40	0.0000	0.32	Q					73+50	0.0000	0.19	Q				
68+45	0.0000	0.32	Q					73+55	0.0000	0.19	Q				
68+50	0.0000	0.32	Q					74+ 0	0.0000	0.19	Q				
68+55	0.0000	0.32	Q					74+ 5	0.0000	0.19	Q				
69+ 0	0.0000	0.31	Q					74+10	0.0000	0.18	Q				
69+ 5	0.0000	0.31	Q					74+15	0.0000	0.18	Q				
69+10	0.0000	0.31	Q					74+20	0.0000	0.18	Q				
69+15	0.0000	0.31	Q					74+25	0.0000	0.18	Q				
69+20	0.0000	0.30	Q					74+30	0.0000	0.18	Q				
69+25	0.0000	0.30	Q					74+35	0.0000	0.18	Q				
69+30	0.0000	0.30	Q					74+40	0.0000	0.17	Q				
69+35	0.0000	0.29	Q					74+45	0.0000	0.17	Q				
69+40	0.0000	0.29	Q					74+50	0.0000	0.17	Q				
69+45	0.0000	0.29	Q					74+55	0.0000	0.17	Q				
69+50	0.0000	0.29	Q					75+ 0	0.0000	0.17	Q				
69+55	0.0000	0.28	Q					75+ 5	0.0000	0.17	Q				
70+ 0	0.0000	0.28	Q					75+10	0.0000	0.17	Q				
70+ 5	0.0000	0.28	Q					75+15	0.0000	0.16	Q				
70+10	0.0000	0.28	Q					75+20	0.0000	0.16	Q				
70+15	0.0000	0.28	Q					75+25	0.0000	0.16	Q				
70+20	0.0000	0.27	Q					75+30	0.0000	0.16	Q				
70+25	0.0000	0.27	Q					75+35	0.0000	0.16	Q				
70+30	0.0000	0.27	Q					75+40	0.0000	0.16	Q				

75+45	0.0000	0.16	Q					80+55	0.0000	0.09	Q				
75+50	0.0000	0.15	Q					81+ 0	0.0000	0.09	Q				
75+55	0.0000	0.15	Q					81+ 5	0.0000	0.09	Q				
76+ 0	0.0000	0.15	Q					81+10	0.0000	0.09	Q				
76+ 5	0.0000	0.15	Q					81+15	0.0000	0.09	Q				
76+10	0.0000	0.15	Q					81+20	0.0000	0.09	Q				
76+15	0.0000	0.15	Q					81+25	0.0000	0.09	Q				
76+20	0.0000	0.15	Q					81+30	0.0000	0.09	Q				
76+25	0.0000	0.15	Q					81+35	0.0000	0.09	Q				
76+30	0.0000	0.14	Q					81+40	0.0000	0.08	Q				
76+35	0.0000	0.14	Q					81+45	0.0000	0.08	Q				
76+40	0.0000	0.14	Q					81+50	0.0000	0.08	Q				
76+45	0.0000	0.14	Q					81+55	0.0000	0.08	Q				
76+50	0.0000	0.14	Q					82+ 0	0.0000	0.08	Q				
76+55	0.0000	0.14	Q					82+ 5	0.0000	0.08	Q				
77+ 0	0.0000	0.14	Q					82+10	0.0000	0.08	Q				
77+ 5	0.0000	0.14	Q					82+15	0.0000	0.08	Q				
77+10	0.0000	0.13	Q					82+20	0.0000	0.08	Q				
77+15	0.0000	0.13	Q					82+25	0.0000	0.08	Q				
77+20	0.0000	0.13	Q					82+30	0.0000	0.08	Q				
77+25	0.0000	0.13	Q					82+35	0.0000	0.08	Q				
77+30	0.0000	0.13	Q					82+40	0.0000	0.08	Q				
77+35	0.0000	0.13	Q					82+45	0.0000	0.08	Q				
77+40	0.0000	0.13	Q					82+50	0.0000	0.07	Q				
77+45	0.0000	0.13	Q					82+55	0.0000	0.07	Q				
77+50	0.0000	0.13	Q					83+ 0	0.0000	0.07	Q				
77+55	0.0000	0.12	Q					83+ 5	0.0000	0.07	Q				
78+ 0	0.0000	0.12	Q					83+10	0.0000	0.07	Q				
78+ 5	0.0000	0.12	Q					83+15	0.0000	0.07	Q				
78+10	0.0000	0.12	Q					83+20	0.0000	0.07	Q				
78+15	0.0000	0.12	Q					83+25	0.0000	0.07	Q				
78+20	0.0000	0.12	Q					83+30	0.0000	0.07	Q				
78+25	0.0000	0.12	Q					83+35	0.0000	0.07	Q				
78+30	0.0000	0.12	Q					83+40	0.0000	0.07	Q				
78+35	0.0000	0.12	Q					83+45	0.0000	0.07	Q				
78+40	0.0000	0.12	Q					83+50	0.0000	0.07	Q				
78+45	0.0000	0.11	Q					83+55	0.0000	0.07	Q				
78+50	0.0000	0.11	Q					84+ 0	0.0000	0.07	Q				
78+55	0.0000	0.11	Q					84+ 5	0.0000	0.07	Q				
79+ 0	0.0000	0.11	Q					84+10	0.0000	0.07	Q				
79+ 5	0.0000	0.11	Q					84+15	0.0000	0.06	Q				
79+10	0.0000	0.11	Q					84+20	0.0000	0.06	Q				
79+15	0.0000	0.11	Q					84+25	0.0000	0.06	Q				
79+20	0.0000	0.11	Q					84+30	0.0000	0.06	Q				
79+25	0.0000	0.11	Q					84+35	0.0000	0.06	Q				
79+30	0.0000	0.11	Q					84+40	0.0000	0.06	Q				
79+35	0.0000	0.10	Q					84+45	0.0000	0.06	Q				
79+40	0.0000	0.10	Q					84+50	0.0000	0.06	Q				
79+45	0.0000	0.10	Q					84+55	0.0000	0.06	Q				
79+50	0.0000	0.10	Q					85+ 0	0.0000	0.06	Q				
79+55	0.0000	0.10	Q					85+ 5	0.0000	0.06	Q				
80+ 0	0.0000	0.10	Q					85+10	0.0000	0.06	Q				
80+ 5	0.0000	0.10	Q					85+15	0.0000	0.06	Q				
80+10	0.0000	0.10	Q					85+20	0.0000	0.06	Q				
80+15	0.0000	0.10	Q					85+25	0.0000	0.06	Q				
80+20	0.0000	0.10	Q					85+30	0.0000	0.06	Q				
80+25	0.0000	0.10	Q					85+35	0.0000	0.06	Q				
80+30	0.0000	0.10	Q					85+40	0.0000	0.06	Q				
80+35	0.0000	0.09	Q					85+45	0.0000	0.06	Q				
80+40	0.0000	0.09	Q					85+50	0.0000	0.05	Q				
80+45	0.0000	0.09	Q					85+55	0.0000	0.05	Q				
80+50	0.0000	0.09	Q					86+ 0	0.0000	0.05	Q				

86+ 5	0.0000	0.05	Q	|	|	|	|	91+15	0.0000	0.03	Q	|	|	|	|
86+10	0.0000	0.05	Q	|	|	|	|	91+20	0.0000	0.03	Q	|	|	|	|
86+15	0.0000	0.05	Q	|	|	|	|	91+25	0.0000	0.03	Q	|	|	|	|
86+20	0.0000	0.05	Q	|	|	|	|	91+30	0.0000	0.03	Q	|	|	|	|
86+25	0.0000	0.05	Q	|	|	|	|	91+35	0.0000	0.03	Q	|	|	|	|
86+30	0.0000	0.05	Q	|	|	|	|	91+40	0.0000	0.03	Q	|	|	|	|
86+35	0.0000	0.05	Q	|	|	|	|	91+45	0.0000	0.03	Q	|	|	|	|
86+40	0.0000	0.05	Q	|	|	|	|	91+50	0.0000	0.03	Q	|	|	|	|
86+45	0.0000	0.05	Q	|	|	|	|	91+55	0.0000	0.03	Q	|	|	|	|
86+50	0.0000	0.05	Q	|	|	|	|	92+ 0	0.0000	0.03	Q	|	|	|	|
86+55	0.0000	0.05	Q	|	|	|	|	92+ 5	0.0000	0.03	Q	|	|	|	|
87+ 0	0.0000	0.05	Q	|	|	|	|	92+10	0.0000	0.03	Q	|	|	|	|
87+ 5	0.0000	0.05	Q	|	|	|	|	92+15	0.0000	0.03	Q	|	|	|	|
87+10	0.0000	0.05	Q	|	|	|	|	92+20	0.0000	0.03	Q	|	|	|	|
87+15	0.0000	0.05	Q	|	|	|	|	92+25	0.0000	0.03	Q	|	|	|	|
87+20	0.0000	0.05	Q	|	|	|	|	92+30	0.0000	0.03	Q	|	|	|	|
87+25	0.0000	0.05	Q	|	|	|	|	92+35	0.0000	0.03	Q	|	|	|	|
87+30	0.0000	0.05	Q	|	|	|	|	92+40	0.0000	0.03	Q	|	|	|	|
87+35	0.0000	0.05	Q	|	|	|	|	92+45	0.0000	0.03	Q	|	|	|	|
87+40	0.0000	0.05	Q	|	|	|	|	92+50	0.0000	0.03	Q	|	|	|	|
87+45	0.0000	0.04	Q	|	|	|	|	92+55	0.0000	0.03	Q	|	|	|	|
87+50	0.0000	0.04	Q	|	|	|	|	93+ 0	0.0000	0.03	Q	|	|	|	|
87+55	0.0000	0.04	Q	|	|	|	|	93+ 5	0.0000	0.03	Q	|	|	|	|
88+ 0	0.0000	0.04	Q	|	|	|	|	93+10	0.0000	0.03	Q	|	|	|	|
88+ 5	0.0000	0.04	Q	|	|	|	|	93+15	0.0000	0.03	Q	|	|	|	|
88+10	0.0000	0.04	Q	|	|	|	|	93+20	0.0000	0.03	Q	|	|	|	|
88+15	0.0000	0.04	Q	|	|	|	|	93+25	0.0000	0.02	Q	|	|	|	|
88+20	0.0000	0.04	Q	|	|	|	|	93+30	0.0000	0.02	Q	|	|	|	|
88+25	0.0000	0.04	Q	|	|	|	|	93+35	0.0000	0.02	Q	|	|	|	|
88+30	0.0000	0.04	Q	|	|	|	|	93+40	0.0000	0.02	Q	|	|	|	|
88+35	0.0000	0.04	Q	|	|	|	|	93+45	0.0000	0.02	Q	|	|	|	|
88+40	0.0000	0.04	Q	|	|	|	|	93+50	0.0000	0.02	Q	|	|	|	|
88+45	0.0000	0.04	Q	|	|	|	|	93+55	0.0000	0.02	Q	|	|	|	|
88+50	0.0000	0.04	Q	|	|	|	|	94+ 0	0.0000	0.02	Q	|	|	|	|
88+55	0.0000	0.04	Q	|	|	|	|	94+ 5	0.0000	0.02	Q	|	|	|	|
89+ 0	0.0000	0.04	Q	|	|	|	|	94+10	0.0000	0.02	Q	|	|	|	|
89+ 5	0.0000	0.04	Q	|	|	|	|	94+15	0.0000	0.02	Q	|	|	|	|
89+10	0.0000	0.04	Q	|	|	|	|	94+20	0.0000	0.02	Q	|	|	|	|
89+15	0.0000	0.04	Q	|	|	|	|	94+25	0.0000	0.02	Q	|	|	|	|
89+20	0.0000	0.04	Q	|	|	|	|	94+30	0.0000	0.02	Q	|	|	|	|
89+25	0.0000	0.04	Q	|	|	|	|	94+35	0.0000	0.02	Q	|	|	|	|
89+30	0.0000	0.04	Q	|	|	|	|	94+40	0.0000	0.02	Q	|	|	|	|
89+35	0.0000	0.04	Q	|	|	|	|	94+45	0.0000	0.02	Q	|	|	|	|
89+40	0.0000	0.04	Q	|	|	|	|	94+50	0.0000	0.02	Q	|	|	|	|
89+45	0.0000	0.04	Q	|	|	|	|	94+55	0.0000	0.02	Q	|	|	|	|
89+50	0.0000	0.04	Q	|	|	|	|	95+ 0	0.0000	0.02	Q	|	|	|	|
89+55	0.0000	0.04	Q	|	|	|	|	95+ 5	0.0000	0.02	Q	|	|	|	|
90+ 0	0.0000	0.04	Q	|	|	|	|	95+10	0.0000	0.02	Q	|	|	|	|
90+ 5	0.0000	0.04	Q	|	|	|	|	95+15	0.0000	0.02	Q	|	|	|	|
90+10	0.0000	0.03	Q	|	|	|	|	95+20	0.0000	0.02	Q	|	|	|	|
90+15	0.0000	0.03	Q	|	|	|	|	95+25	0.0000	0.02	Q	|	|	|	|
90+20	0.0000	0.03	Q	|	|	|	|	95+30	0.0000	0.02	Q	|	|	|	|
90+25	0.0000	0.03	Q	|	|	|	|	95+35	0.0000	0.02	Q	|	|	|	|
90+30	0.0000	0.03	Q	|	|	|	|	95+40	0.0000	0.02	Q	|	|	|	|
90+35	0.0000	0.03	Q	|	|	|	|	95+45	0.0000	0.02	Q	|	|	|	|
90+40	0.0000	0.03	Q	|	|	|	|	95+50	0.0000	0.02	Q	|	|	|	|
90+45	0.0000	0.03	Q	|	|	|	|	95+55	0.0000	0.02	Q	|	|	|	|
90+50	0.0000	0.03	Q	|	|	|	|	96+ 0	0.0000	0.02	Q	|	|	|	|
90+55	0.0000	0.03	Q	|	|	|	|	96+ 5	0.0000	0.02	Q	|	|	|	|
91+ 0	0.0000	0.03	Q	|	|	|	|	96+10	0.0000	0.02	Q	|	|	|	|
91+ 5	0.0000	0.03	Q	|	|	|	|	96+15	0.0000	0.02	Q	|	|	|	|
91+10	0.0000	0.03	Q	|	|	|	|	96+20	0.0000	0.02	Q	|	|	|	|

96+25	0.0000	0.02	Q					101+35	0.0000	0.01	Q				
96+30	0.0000	0.02	Q					101+40	0.0000	0.01	Q				
96+35	0.0000	0.02	Q					101+45	0.0000	0.01	Q				
96+40	0.0000	0.02	Q					101+50	0.0000	0.01	Q				
96+45	0.0000	0.02	Q					101+55	0.0000	0.01	Q				
96+50	0.0000	0.02	Q					102+ 0	0.0000	0.01	Q				
96+55	0.0000	0.02	Q					102+ 5	0.0000	0.01	Q				
97+ 0	0.0000	0.02	Q					102+10	0.0000	0.01	Q				
97+ 5	0.0000	0.02	Q					102+15	0.0000	0.01	Q				
97+10	0.0000	0.02	Q					102+20	0.0000	0.01	Q				
97+15	0.0000	0.02	Q					102+25	0.0000	0.01	Q				
97+20	0.0000	0.02	Q					102+30	0.0000	0.01	Q				
97+25	0.0000	0.02	Q					102+35	0.0000	0.01	Q				
97+30	0.0000	0.02	Q					102+40	0.0000	0.01	Q				
97+35	0.0000	0.02	Q					102+45	0.0000	0.01	Q				
97+40	0.0000	0.02	Q					102+50	0.0000	0.01	Q				
97+45	0.0000	0.02	Q					102+55	0.0000	0.01	Q				
97+50	0.0000	0.02	Q					103+ 0	0.0000	0.01	Q				
97+55	0.0000	0.02	Q					103+ 5	0.0000	0.01	Q				
98+ 0	0.0000	0.02	Q					103+10	0.0000	0.01	Q				
98+ 5	0.0000	0.02	Q					103+15	0.0000	0.01	Q				
98+10	0.0000	0.02	Q					103+20	0.0000	0.01	Q				
98+15	0.0000	0.02	Q					103+25	0.0000	0.01	Q				
98+20	0.0000	0.01	Q					103+30	0.0000	0.01	Q				
98+25	0.0000	0.01	Q					103+35	0.0000	0.01	Q				
98+30	0.0000	0.01	Q					103+40	0.0000	0.01	Q				
98+35	0.0000	0.01	Q					103+45	0.0000	0.01	Q				
98+40	0.0000	0.01	Q					103+50	0.0000	0.01	Q				
98+45	0.0000	0.01	Q					103+55	0.0000	0.01	Q				
98+50	0.0000	0.01	Q					104+ 0	0.0000	0.01	Q				
98+55	0.0000	0.01	Q					104+ 5	0.0000	0.01	Q				
99+ 0	0.0000	0.01	Q					104+10	0.0000	0.01	Q				
99+ 5	0.0000	0.01	Q					104+15	0.0000	0.01	Q				
99+10	0.0000	0.01	Q					104+20	0.0000	0.01	Q				
99+15	0.0000	0.01	Q					104+25	0.0000	0.01	Q				
99+20	0.0000	0.01	Q					104+30	0.0000	0.01	Q				
99+25	0.0000	0.01	Q					104+35	0.0000	0.01	Q				
99+30	0.0000	0.01	Q					104+40	0.0000	0.01	Q				
99+35	0.0000	0.01	Q					104+45	0.0000	0.01	Q				
99+40	0.0000	0.01	Q					104+50	0.0000	0.01	Q				
99+45	0.0000	0.01	Q					104+55	0.0000	0.01	Q				
99+50	0.0000	0.01	Q					105+ 0	0.0000	0.01	Q				
99+55	0.0000	0.01	Q					105+ 5	0.0000	0.01	Q				
100+ 0	0.0000	0.01	Q					105+10	0.0000	0.01	Q				
100+ 5	0.0000	0.01	Q					105+15	0.0000	0.01	Q				
100+10	0.0000	0.01	Q					105+20	0.0000	0.01	Q				
100+15	0.0000	0.01	Q					105+25	0.0000	0.01	Q				
100+20	0.0000	0.01	Q					105+30	0.0000	0.01	Q				
100+25	0.0000	0.01	Q					105+35	0.0000	0.01	Q				
100+30	0.0000	0.01	Q					105+40	0.0000	0.01	Q				
100+35	0.0000	0.01	Q					105+45	0.0000	0.01	Q				
100+40	0.0000	0.01	Q					105+50	0.0000	0.01	Q				
100+45	0.0000	0.01	Q					105+55	0.0000	0.01	Q				
100+50	0.0000	0.01	Q					106+ 0	0.0000	0.01	Q				
100+55	0.0000	0.01	Q					106+ 5	0.0000	0.01	Q				
101+ 0	0.0000	0.01	Q					106+10	0.0000	0.01	Q				
101+ 5	0.0000	0.01	Q					106+15	0.0000	0.01	Q				
101+10	0.0000	0.01	Q					106+20	0.0000	0.01	Q				
101+15	0.0000	0.01	Q					106+25	0.0000	0.01	Q				
101+20	0.0000	0.01	Q					106+30	0.0000	0.01	Q				
101+25	0.0000	0.01	Q					106+35	0.0000	0.01	Q				
101+30	0.0000	0.01	Q					106+40	0.0000	0.01	Q				

106+45	0.0000	0.01	Q					111+55	0.0000	0.00	Q				
106+50	0.0000	0.01	Q					112+ 0	0.0000	0.00	Q				
106+55	0.0000	0.01	Q					112+ 5	0.0000	0.00	Q				
107+ 0	0.0000	0.01	Q					112+10	0.0000	0.00	Q				
107+ 5	0.0000	0.01	Q					112+15	0.0000	0.00	Q				
107+10	0.0000	0.01	Q					112+20	0.0000	0.00	Q				
107+15	0.0000	0.01	Q					112+25	0.0000	0.00	Q				
107+20	0.0000	0.01	Q					112+30	0.0000	0.00	Q				
107+25	0.0000	0.01	Q					112+35	0.0000	0.00	Q				
107+30	0.0000	0.01	Q					112+40	0.0000	0.00	Q				
107+35	0.0000	0.01	Q					112+45	0.0000	0.00	Q				
107+40	0.0000	0.01	Q					112+50	0.0000	0.00	Q				
107+45	0.0000	0.01	Q					112+55	0.0000	0.00	Q				
107+50	0.0000	0.01	Q					113+ 0	0.0000	0.00	Q				
107+55	0.0000	0.01	Q					113+ 5	0.0000	0.00	Q				
108+ 0	0.0000	0.01	Q					113+10	0.0000	0.00	Q				
108+ 5	0.0000	0.01	Q					113+15	0.0000	0.00	Q				
108+10	0.0000	0.01	Q					113+20	0.0000	0.00	Q				
108+15	0.0000	0.01	Q					113+25	0.0000	0.00	Q				
108+20	0.0000	0.01	Q					113+30	0.0000	0.00	Q				
108+25	0.0000	0.01	Q					113+35	0.0000	0.00	Q				
108+30	0.0000	0.01	Q					113+40	0.0000	0.00	Q				
108+35	0.0000	0.01	Q					113+45	0.0000	0.00	Q				
108+40	0.0000	0.01	Q					113+50	0.0000	0.00	Q				
108+45	0.0000	0.01	Q					113+55	0.0000	0.00	Q				
108+50	0.0000	0.01	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.01	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				

117+ 5	0.0000	0.00	Q					122+15	0.0000	0.00	Q				
117+10	0.0000	0.00	Q					122+20	0.0000	0.00	Q				
117+15	0.0000	0.00	Q					122+25	0.0000	0.00	Q				
117+20	0.0000	0.00	Q					122+30	0.0000	0.00	Q				
117+25	0.0000	0.00	Q					122+35	0.0000	0.00	Q				
117+30	0.0000	0.00	Q					122+40	0.0000	0.00	Q				
117+35	0.0000	0.00	Q					122+45	0.0000	0.00	Q				
117+40	0.0000	0.00	Q					122+50	0.0000	0.00	Q				
117+45	0.0000	0.00	Q					122+55	0.0000	0.00	Q				
117+50	0.0000	0.00	Q					123+ 0	0.0000	0.00	Q				
117+55	0.0000	0.00	Q					123+ 5	0.0000	0.00	Q				
118+ 0	0.0000	0.00	Q					123+10	0.0000	0.00	Q				
118+ 5	0.0000	0.00	Q					123+15	0.0000	0.00	Q				
118+10	0.0000	0.00	Q					123+20	0.0000	0.00	Q				
118+15	0.0000	0.00	Q					123+25	0.0000	0.00	Q				
118+20	0.0000	0.00	Q					123+30	0.0000	0.00	Q				
118+25	0.0000	0.00	Q					123+35	0.0000	0.00	Q				
118+30	0.0000	0.00	Q					123+40	0.0000	0.00	Q				
118+35	0.0000	0.00	Q					123+45	0.0000	0.00	Q				
118+40	0.0000	0.00	Q					123+50	0.0000	0.00	Q				
118+45	0.0000	0.00	Q					123+55	0.0000	0.00	Q				
118+50	0.0000	0.00	Q					124+ 0	0.0000	0.00	Q				
118+55	0.0000	0.00	Q					124+ 5	0.0000	0.00	Q				
119+ 0	0.0000	0.00	Q					124+10	0.0000	0.00	Q				
119+ 5	0.0000	0.00	Q					124+15	0.0000	0.00	Q				
119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				

127+25	0.0000	0.00	Q					132+35	0.0000	0.00	Q				
127+30	0.0000	0.00	Q					132+40	0.0000	0.00	Q				
127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				

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 137+45       0.0000      0.00  Q         |         |         |         |
 137+50       0.0000      0.00  Q         |         |         |         |
 137+55       0.0000      0.00  Q         |         |         |         |
 138+ 0       0.0000      0.00  Q         |         |         |         |
 138+ 5       0.0000      0.00  Q         |         |         |         |
 138+10       0.0000      0.00  Q         |         |         |         |
 138+15       0.0000      0.00  Q         |         |         |         |
 138+20       0.0000      0.00  Q         |         |         |         |
 138+25       0.0000      0.00  Q         |         |         |         |
 138+30       0.0000      0.00  Q         |         |         |         |
 138+35       0.0000      0.00  Q         |         |         |         |
 138+40       0.0000      0.00  Q         |         |         |         |
 138+45       0.0000      0.00  Q         |         |         |         |
 138+50       0.0000      0.00  Q         |         |         |         |
 138+55       0.0000      0.00  Q         |         |         |         |
 139+ 0       0.0000      0.00  Q         |         |         |         |
 139+ 5       0.0000      0.00  Q         |         |         |         |
 139+10       0.0000      0.00  Q         |         |         |         |
 139+15       0.0000      0.00  Q         |         |         |         |
 139+20       0.0000      0.00  Q         |         |         |         |
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA****************************
                      Number of intervals =  5002
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =      385.894 (CFS)
                      Total volume =      57.248 (Ac.Ft)
               Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
               Peak (CFS)      0.000     0.000     1.786     0.000     0.000
               Vol (Ac.Ft)     0.000     0.000     3.114     0.000     0.000
        *************************************************************************

        ------------------------------------------------------------------------



        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.920 to Point/Station       10.960
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        From stored stream number 3 the total
        volume of       3.11 (Ac.Ft) is being added to the
        current hydrograph at its original rate from user
        with a delay time to start of addition of    0.00 hours.
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0       96.9     193.8     290.8     387.7
 ------------------------------------------------------------------------
   0+ 5       0.0137      0.30  Q         |         |         |         |
   0+10       0.0561      1.31  Q         |         |         |         |
   0+15       0.1164      3.29  Q         |         |         |         |
   0+20       0.1794      7.39  Q         |         |         |         |
   0+25       0.2499     10.48  qQ        |         |         |         |
   0+30       0.3263     12.29  qQ        |         |         |         |
   0+35       0.4072     13.65  qQ        |         |         |         |
   0+40       0.4896     14.91  qQ        |         |         |         |
   0+45       0.5646     16.37  qQ        |         |         |         |
   0+50       0.5997     17.36  qQ        |         |         |         |
   0+55       0.6345     18.04  qQ        |         |         |         |
   1+ 0       0.6708     18.62  qQ        |         |         |         |
   1+ 5       0.7102     19.22  qQ        |         |         |         |
   1+10       0.7510     19.89  q Q       |         |         |         |
   1+15       0.7865     20.87  q Q       |         |         |         |
   1+20       0.8091     21.54  q Q       |         |         |         |
   1+25       0.8315     21.97  q Q       |         |         |         |
   1+30       0.8539     22.33  q Q       |         |         |         |
   1+35       0.8761     22.62  q Q       |         |         |         |
   1+40       0.8981     22.88  q Q       |         |         |         |
   1+45       0.9201     23.12  q Q       |         |         |         |
   1+50       0.9413     23.32  q Q       |         |         |         |
   1+55       0.9565     23.46  q Q       |         |         |         |
   2+ 0       0.9725     23.63  q Q       |         |         |         |
   2+ 5       0.9893     23.85  q Q       |         |         |         |
   2+10       1.0060     24.15  q Q       |         |         |         |
   2+15       1.0237     24.79  q Q       |         |         |         |
   2+20       1.0420     24.92  q Q       |         |         |         |
   2+25       1.0604     25.50  q Q       |         |         |         |
   2+30       1.0787     25.94  q Q       |         |         |         |
   2+35       1.0919     26.18  q Q       |         |         |         |
   2+40       1.1046     26.38  q Q       |         |         |         |
   2+45       1.1180     26.59  q Q       |         |         |         |
   2+50       1.1325     26.90  q Q       |         |         |         |
   2+55       1.1476     27.35  q Q       |         |         |         |
   3+ 0       1.1628     28.17  q Q       |         |         |         |
   3+ 5       1.1778     28.69  q Q       |         |         |         |
   3+10       1.1935     29.16  q  Q      |         |         |         |
   3+15       1.2079     29.94  q  Q      |         |         |         |
   3+20       1.2213     31.16  q  Q      |         |         |         |
   3+25       1.2351     33.84  q  Q      |         |         |         |
   3+30       1.2504     36.31  q  Q      |         |         |         |
   3+35       1.2675     39.50  q   Q     |         |         |         |
   3+40       1.2860     45.32  q   Q     |         |         |         |
   3+45       1.3055     52.37  q    Q    |         |         |         |
   3+50       1.3222     59.39  q     Q   |         |         |         |
   3+55       1.3387     64.82  q     Q   |         |         |         |
   4+ 0       1.3559     71.04  q      Q  |         |         |         |
   4+ 5       1.3738     76.33  q      Q  |         |         |         |
   4+10       1.3928     82.74  q       Q |         |         |         |
   4+15       1.4125     88.75  q        Q|         |         |         |
   4+20       1.4294     96.51  q        Q|         |         |         |
   4+25       1.4474    105.58  q         Q         |         |         |
   4+30       1.4663    114.96  q         |Q        |         |         |
   4+35       1.4858    124.21  q         | Q       |         |         |
   4+40       1.5053    133.04  q         |  Q      |         |         |
   4+45       1.5239    140.41  q         |   Q     |         |         |
   4+50       1.5432    149.24  q         |    Q    |         |         |
   4+55       1.5630    160.62  q         |     Q   |         |         |
   5+ 0       1.5836    171.70  q         |      Q  |         |         |
   5+ 5       1.6041    182.31  q         |       Q |         |         |
   5+10       1.6273    196.83  q         |         Q         |         |
   5+15       1.6544    217.17  q         |         | Q       |         |
   5+20       1.6835    248.96  q         |         |   Q     |         |
   5+25       1.7096    287.92  q         |         |        Q|         |
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5+30	1.7394	328.27	q	|	|	|	Q	|		10+40	1.7169	6.48	Q	|	|	|	|
5+35	1.7658	364.21	q	|	|	|	Q	|		10+45	1.7156	6.38	Q	|	|	|	|
5+40	1.7789	387.67	q	|	|	|	Q			10+50	1.7143	6.34	Q	|	|	|	|
5+45	1.7832	380.68	q	|	|	|	Q	|		10+55	1.7131	6.34	Q	|	|	|	|
5+50	1.7848	280.38	q	|	|	Q	|	|		11+ 0	1.7118	6.33	Q	|	|	|	|
5+55	1.7854	196.40	q	|	Q	|	|	|		11+ 5	1.7105	6.33	Q	|	|	|	|
6+ 0	1.7855	152.21	q	|	Q	|	|	|		11+10	1.7092	6.32	Q	|	|	|	|
6+ 5	1.7851	123.82	q	| Q	|	|	|	|		11+15	1.7080	6.32	Q	|	|	|	|
6+10	1.7841	101.37	q	Q	|	|	|	|		11+20	1.7067	6.31	Q	|	|	|	|
6+15	1.7829	82.83	q	Q	|	|	|	|		11+25	1.7054	6.31	Q	|	|	|	|
6+20	1.7818	67.21	q	Q	|	|	|	|		11+30	1.7042	6.30	Q	|	|	|	|
6+25	1.7806	54.75	q	Q	|	|	|	|		11+35	1.7029	6.30	Q	|	|	|	|
6+30	1.7794	45.00	q	Q	|	|	|	|		11+40	1.7016	6.30	Q	|	|	|	|
6+35	1.7783	37.25	q	Q	|	|	|	|		11+45	1.7003	6.29	Q	|	|	|	|
6+40	1.7771	31.41	q	Q	|	|	|	|		11+50	1.6991	6.29	Q	|	|	|	|
6+45	1.7759	27.97	q	Q	|	|	|	|		11+55	1.6978	6.28	Q	|	|	|	|
6+50	1.7748	25.96	q	Q	|	|	|	|		12+ 0	1.6965	6.28	Q	|	|	|	|
6+55	1.7736	24.35	q	Q	|	|	|	|		12+ 5	1.6953	6.27	Q	|	|	|	|
7+ 0	1.7725	22.93	q	Q	|	|	|	|		12+10	1.6940	6.27	Q	|	|	|	|
7+ 5	1.7713	21.90	q	Q	|	|	|	|		12+15	1.6928	6.26	Q	|	|	|	|
7+10	1.7701	20.77	q	Q	|	|	|	|		12+20	1.6915	6.26	Q	|	|	|	|
7+15	1.7690	19.44	q	Q	|	|	|	|		12+25	1.6902	6.25	Q	|	|	|	|
7+20	1.7678	18.39	qQ	|	|	|	|	|		12+30	1.6890	6.25	Q	|	|	|	|
7+25	1.7667	17.51	qQ	|	|	|	|	|		12+35	1.6877	6.24	Q	|	|	|	|
7+30	1.7655	16.81	qQ	|	|	|	|	|		12+40	1.6865	6.24	Q	|	|	|	|
7+35	1.7643	16.26	qQ	|	|	|	|	|		12+45	1.6852	6.23	Q	|	|	|	|
7+40	1.7632	15.89	qQ	|	|	|	|	|		12+50	1.6839	6.23	Q	|	|	|	|
7+45	1.7620	15.56	qQ	|	|	|	|	|		12+55	1.6827	6.22	Q	|	|	|	|
7+50	1.7609	15.25	qQ	|	|	|	|	|		13+ 0	1.6814	6.22	Q	|	|	|	|
7+55	1.7597	14.95	qQ	|	|	|	|	|		13+ 5	1.6802	6.22	Q	|	|	|	|
8+ 0	1.7584	14.56	qQ	|	|	|	|	|		13+10	1.6786	6.21	Q	|	|	|	|
8+ 5	1.7571	14.06	qQ	|	|	|	|	|		13+15	1.6770	6.21	Q	|	|	|	|
8+10	1.7557	13.58	qQ	|	|	|	|	|		13+20	1.6754	6.20	Q	|	|	|	|
8+15	1.7544	13.13	qQ	|	|	|	|	|		13+25	1.6739	6.20	Q	|	|	|	|
8+20	1.7531	12.71	qQ	|	|	|	|	|		13+30	1.6723	6.19	Q	|	|	|	|
8+25	1.7518	12.30	qQ	|	|	|	|	|		13+35	1.6707	6.19	Q	|	|	|	|
8+30	1.7505	11.91	qQ	|	|	|	|	|		13+40	1.6691	6.18	Q	|	|	|	|
8+35	1.7492	11.55	qQ	|	|	|	|	|		13+45	1.6675	6.18	Q	|	|	|	|
8+40	1.7479	11.20	qQ	|	|	|	|	|		13+50	1.6659	6.17	Q	|	|	|	|
8+45	1.7466	10.87	qQ	|	|	|	|	|		13+55	1.6643	6.17	Q	|	|	|	|
8+50	1.7453	10.55	qQ	|	|	|	|	|		14+ 0	1.6628	6.16	Q	|	|	|	|
8+55	1.7440	10.25	qQ	|	|	|	|	|		14+ 5	1.6612	6.16	Q	|	|	|	|
9+ 0	1.7427	9.97	qQ	|	|	|	|	|		14+10	1.6596	6.15	Q	|	|	|	|
9+ 5	1.7414	9.70	qQ	|	|	|	|	|		14+15	1.6580	6.15	Q	|	|	|	|
9+10	1.7401	9.44	Q	|	|	|	|	|		14+20	1.6564	6.14	Q	|	|	|	|
9+15	1.7388	9.20	Q	|	|	|	|	|		14+25	1.6549	6.14	Q	|	|	|	|
9+20	1.7375	8.97	Q	|	|	|	|	|		14+30	1.6533	6.13	Q	|	|	|	|
9+25	1.7362	8.74	Q	|	|	|	|	|		14+35	1.6517	6.13	Q	|	|	|	|
9+30	1.7349	8.54	Q	|	|	|	|	|		14+40	1.6502	6.12	Q	|	|	|	|
9+35	1.7336	8.34	Q	|	|	|	|	|		14+45	1.6486	6.12	Q	|	|	|	|
9+40	1.7323	8.15	Q	|	|	|	|	|		14+50	1.6470	6.11	Q	|	|	|	|
9+45	1.7310	7.97	Q	|	|	|	|	|		14+55	1.6455	6.11	Q	|	|	|	|
9+50	1.7298	7.79	Q	|	|	|	|	|		15+ 0	1.6439	6.10	Q	|	|	|	|
9+55	1.7285	7.63	Q	|	|	|	|	|		15+ 5	1.6423	6.10	Q	|	|	|	|
10+ 0	1.7272	7.48	Q	|	|	|	|	|		15+10	1.6408	6.09	Q	|	|	|	|
10+ 5	1.7259	7.33	Q	|	|	|	|	|		15+15	1.6392	6.09	Q	|	|	|	|
10+10	1.7246	7.19	Q	|	|	|	|	|		15+20	1.6377	6.08	Q	|	|	|	|
10+15	1.7233	7.05	Q	|	|	|	|	|		15+25	1.6361	6.08	Q	|	|	|	|
10+20	1.7220	6.93	Q	|	|	|	|	|		15+30	1.6345	6.07	Q	|	|	|	|
10+25	1.7208	6.81	Q	|	|	|	|	|		15+35	1.6330	6.07	Q	|	|	|	|
10+30	1.7195	6.69	Q	|	|	|	|	|		15+40	1.6314	6.06	Q	|	|	|	|
10+35	1.7182	6.58	Q	|	|	|	|	|		15+45	1.6299	6.06	Q	|	|	|	|

15+50	1.6283	6.05	Q					21+ 0	1.5276	5.71	Q				
15+55	1.6268	6.05	Q					21+ 5	1.5260	5.71	Q				
16+ 0	1.6252	6.04	Q					21+10	1.5243	5.70	Q				
16+ 5	1.6237	6.04	Q					21+15	1.5227	5.70	Q				
16+10	1.6222	6.03	Q					21+20	1.5210	5.69	Q				
16+15	1.6206	6.03	Q					21+25	1.5194	5.69	Q				
16+20	1.6191	6.02	Q					21+30	1.5177	5.68	Q				
16+25	1.6175	6.02	Q					21+35	1.5161	5.68	Q				
16+30	1.6160	6.01	Q					21+40	1.5144	5.67	Q				
16+35	1.6145	6.01	Q					21+45	1.5128	5.67	Q				
16+40	1.6129	6.00	Q					21+50	1.5112	5.66	Q				
16+45	1.6114	6.00	Q					21+55	1.5095	5.65	Q				
16+50	1.6099	5.99	Q					22+ 0	1.5079	5.65	Q				
16+55	1.6083	5.99	Q					22+ 5	1.5062	5.64	Q				
17+ 0	1.6068	5.98	Q					22+10	1.5046	5.64	Q				
17+ 5	1.6053	5.98	Q					22+15	1.5030	5.63	Q				
17+10	1.6038	5.97	Q					22+20	1.5014	5.62	Q				
17+15	1.6022	5.97	Q					22+25	1.4997	5.62	Q				
17+20	1.6007	5.96	Q					22+30	1.4978	5.61	Q				
17+25	1.5992	5.96	Q					22+35	1.4959	5.61	Q				
17+30	1.5977	5.95	Q					22+40	1.4941	5.60	Q				
17+35	1.5962	5.94	Q					22+45	1.4922	5.59	Q				
17+40	1.5946	5.94	Q					22+50	1.4904	5.59	Q				
17+45	1.5931	5.93	Q					22+55	1.4885	5.58	Q				
17+50	1.5916	5.93	Q					23+ 0	1.4866	5.58	Q				
17+55	1.5901	5.92	Q					23+ 5	1.4848	5.57	Q				
18+ 0	1.5884	5.92	Q					23+10	1.4829	5.56	Q				
18+ 5	1.5867	5.91	Q					23+15	1.4811	5.56	Q				
18+10	1.5849	5.91	Q					23+20	1.4792	5.55	Q				
18+15	1.5832	5.90	Q					23+25	1.4774	5.55	Q				
18+20	1.5815	5.89	Q					23+30	1.4755	5.54	Q				
18+25	1.5798	5.89	Q					23+35	1.4737	5.53	Q				
18+30	1.5781	5.88	Q					23+40	1.4718	5.53	Q				
18+35	1.5764	5.88	Q					23+45	1.4700	5.52	Q				
18+40	1.5747	5.87	Q					23+50	1.4682	5.52	Q				
18+45	1.5730	5.87	Q					23+55	1.4663	5.51	Q				
18+50	1.5713	5.86	Q					24+ 0	1.4645	5.50	Q				
18+55	1.5696	5.85	Q					24+ 5	1.4627	5.50	Q				
19+ 0	1.5679	5.85	Q					24+10	1.4608	5.49	Q				
19+ 5	1.5662	5.84	Q					24+15	1.4590	5.49	Q				
19+10	1.5645	5.84	Q					24+20	1.4572	5.48	Q				
19+15	1.5628	5.83	Q					24+25	1.4554	5.47	Q				
19+20	1.5611	5.83	Q					24+30	1.4536	5.47	Q				
19+25	1.5594	5.82	Q					24+35	1.4517	5.46	Q				
19+30	1.5577	5.82	Q					24+40	1.4499	5.46	Q				
19+35	1.5560	5.81	Q					24+45	1.4481	5.45	Q				
19+40	1.5543	5.80	Q					24+50	1.4463	5.44	Q				
19+45	1.5527	5.80	Q					24+55	1.4445	5.44	Q				
19+50	1.5510	5.79	Q					25+ 0	1.4427	5.43	Q				
19+55	1.5493	5.79	Q					25+ 5	0.0000	2.25	Q				
20+ 0	1.5476	5.78	Q					25+10	0.0000	2.25	Q				
20+ 5	1.5459	5.78	Q					25+15	0.0000	2.25	Q				
20+10	1.5443	5.77	Q					25+20	0.0000	2.24	Q				
20+15	1.5426	5.76	Q					25+25	0.0000	2.24	Q				
20+20	1.5409	5.76	Q					25+30	0.0000	2.24	Q				
20+25	1.5392	5.75	Q					25+35	0.0000	2.24	Q				
20+30	1.5376	5.75	Q					25+40	0.0000	2.23	Q				
20+35	1.5359	5.74	Q					25+45	0.0000	2.23	Q				
20+40	1.5343	5.74	Q					25+50	0.0000	2.23	Q				
20+45	1.5326	5.73	Q					25+55	0.0000	2.22	Q				
20+50	1.5309	5.73	Q					26+ 0	0.0000	2.22	Q				
20+55	1.5293	5.72	Q					26+ 5	0.0000	2.22	Q				

26+10	0.0000	2.22	Q	|	|	|	|	31+20	0.0000	2.04	Q	|	|	|	|
26+15	0.0000	2.21	Q	|	|	|	|	31+25	0.0000	2.04	Q	|	|	|	|
26+20	0.0000	2.21	Q	|	|	|	|	31+30	0.0000	2.03	Q	|	|	|	|
26+25	0.0000	2.21	Q	|	|	|	|	31+35	0.0000	2.03	Q	|	|	|	|
26+30	0.0000	2.21	Q	|	|	|	|	31+40	0.0000	2.03	Q	|	|	|	|
26+35	0.0000	2.20	Q	|	|	|	|	31+45	0.0000	2.02	Q	|	|	|	|
26+40	0.0000	2.20	Q	|	|	|	|	31+50	0.0000	2.02	Q	|	|	|	|
26+45	0.0000	2.20	Q	|	|	|	|	31+55	0.0000	2.02	Q	|	|	|	|
26+50	0.0000	2.19	Q	|	|	|	|	32+ 0	0.0000	2.01	Q	|	|	|	|
26+55	0.0000	2.19	Q	|	|	|	|	32+ 5	0.0000	2.01	Q	|	|	|	|
27+ 0	0.0000	2.19	Q	|	|	|	|	32+10	0.0000	2.01	Q	|	|	|	|
27+ 5	0.0000	2.19	Q	|	|	|	|	32+15	0.0000	2.00	Q	|	|	|	|
27+10	0.0000	2.18	Q	|	|	|	|	32+20	0.0000	2.00	Q	|	|	|	|
27+15	0.0000	2.18	Q	|	|	|	|	32+25	0.0000	2.00	Q	|	|	|	|
27+20	0.0000	2.18	Q	|	|	|	|	32+30	0.0000	1.99	Q	|	|	|	|
27+25	0.0000	2.17	Q	|	|	|	|	32+35	0.0000	1.99	Q	|	|	|	|
27+30	0.0000	2.17	Q	|	|	|	|	32+40	0.0000	1.99	Q	|	|	|	|
27+35	0.0000	2.17	Q	|	|	|	|	32+45	0.0000	1.98	Q	|	|	|	|
27+40	0.0000	2.16	Q	|	|	|	|	32+50	0.0000	1.98	Q	|	|	|	|
27+45	0.0000	2.16	Q	|	|	|	|	32+55	0.0000	1.97	Q	|	|	|	|
27+50	0.0000	2.16	Q	|	|	|	|	33+ 0	0.0000	1.97	Q	|	|	|	|
27+55	0.0000	2.16	Q	|	|	|	|	33+ 5	0.0000	1.97	Q	|	|	|	|
28+ 0	0.0000	2.15	Q	|	|	|	|	33+10	0.0000	1.96	Q	|	|	|	|
28+ 5	0.0000	2.15	Q	|	|	|	|	33+15	0.0000	1.96	Q	|	|	|	|
28+10	0.0000	2.15	Q	|	|	|	|	33+20	0.0000	1.96	Q	|	|	|	|
28+15	0.0000	2.14	Q	|	|	|	|	33+25	0.0000	1.95	Q	|	|	|	|
28+20	0.0000	2.14	Q	|	|	|	|	33+30	0.0000	1.95	Q	|	|	|	|
28+25	0.0000	2.14	Q	|	|	|	|	33+35	0.0000	1.95	Q	|	|	|	|
28+30	0.0000	2.14	Q	|	|	|	|	33+40	0.0000	1.94	Q	|	|	|	|
28+35	0.0000	2.13	Q	|	|	|	|	33+45	0.0000	1.94	Q	|	|	|	|
28+40	0.0000	2.13	Q	|	|	|	|	33+50	0.0000	1.94	Q	|	|	|	|
28+45	0.0000	2.13	Q	|	|	|	|	33+55	0.0000	1.93	Q	|	|	|	|
28+50	0.0000	2.12	Q	|	|	|	|	34+ 0	0.0000	1.93	Q	|	|	|	|
28+55	0.0000	2.12	Q	|	|	|	|	34+ 5	0.0000	1.93	Q	|	|	|	|
29+ 0	0.0000	2.12	Q	|	|	|	|	34+10	0.0000	1.92	Q	|	|	|	|
29+ 5	0.0000	2.12	Q	|	|	|	|	34+15	0.0000	1.92	Q	|	|	|	|
29+10	0.0000	2.11	Q	|	|	|	|	34+20	0.0000	1.92	Q	|	|	|	|
29+15	0.0000	2.11	Q	|	|	|	|	34+25	0.0000	1.91	Q	|	|	|	|
29+20	0.0000	2.11	Q	|	|	|	|	34+30	0.0000	1.91	Q	|	|	|	|
29+25	0.0000	2.11	Q	|	|	|	|	34+35	0.0000	1.91	Q	|	|	|	|
29+30	0.0000	2.10	Q	|	|	|	|	34+40	0.0000	1.90	Q	|	|	|	|
29+35	0.0000	2.10	Q	|	|	|	|	34+45	0.0000	1.90	Q	|	|	|	|
29+40	0.0000	2.10	Q	|	|	|	|	34+50	0.0000	1.90	Q	|	|	|	|
29+45	0.0000	2.09	Q	|	|	|	|	34+55	0.0000	1.89	Q	|	|	|	|
29+50	0.0000	2.09	Q	|	|	|	|	35+ 0	0.0000	1.89	Q	|	|	|	|
29+55	0.0000	2.09	Q	|	|	|	|	35+ 5	0.0000	1.89	Q	|	|	|	|
30+ 0	0.0000	2.09	Q	|	|	|	|	35+10	0.0000	1.88	Q	|	|	|	|
30+ 5	0.0000	2.08	Q	|	|	|	|	35+15	0.0000	1.88	Q	|	|	|	|
30+10	0.0000	2.08	Q	|	|	|	|	35+20	0.0000	1.88	Q	|	|	|	|
30+15	0.0000	2.08	Q	|	|	|	|	35+25	0.0000	1.87	Q	|	|	|	|
30+20	0.0000	2.07	Q	|	|	|	|	35+30	0.0000	1.87	Q	|	|	|	|
30+25	0.0000	2.07	Q	|	|	|	|	35+35	0.0000	1.87	Q	|	|	|	|
30+30	0.0000	2.07	Q	|	|	|	|	35+40	0.0000	1.86	Q	|	|	|	|
30+35	0.0000	2.07	Q	|	|	|	|	35+45	0.0000	1.86	Q	|	|	|	|
30+40	0.0000	2.06	Q	|	|	|	|	35+50	0.0000	1.86	Q	|	|	|	|
30+45	0.0000	2.06	Q	|	|	|	|	35+55	0.0000	1.85	Q	|	|	|	|
30+50	0.0000	2.06	Q	|	|	|	|	36+ 0	0.0000	1.85	Q	|	|	|	|
30+55	0.0000	2.05	Q	|	|	|	|	36+ 5	0.0000	1.85	Q	|	|	|	|
31+ 0	0.0000	2.05	Q	|	|	|	|	36+10	0.0000	1.84	Q	|	|	|	|
31+ 5	0.0000	2.05	Q	|	|	|	|	36+15	0.0000	1.84	Q	|	|	|	|
31+10	0.0000	2.05	Q	|	|	|	|	36+20	0.0000	1.84	Q	|	|	|	|
31+15	0.0000	2.04	Q	|	|	|	|	36+25	0.0000	1.83	Q	|	|	|	|

36+30	0.0000	1.83	Q					41+40	0.0000	1.60	Q				
36+35	0.0000	1.82	Q					41+45	0.0000	1.59	Q				
36+40	0.0000	1.82	Q					41+50	0.0000	1.59	Q				
36+45	0.0000	1.82	Q					41+55	0.0000	1.58	Q				
36+50	0.0000	1.81	Q					42+ 0	0.0000	1.58	Q				
36+55	0.0000	1.81	Q					42+ 5	0.0000	1.57	Q				
37+ 0	0.0000	1.81	Q					42+10	0.0000	1.57	Q				
37+ 5	0.0000	1.80	Q					42+15	0.0000	1.56	Q				
37+10	0.0000	1.80	Q					42+20	0.0000	1.56	Q				
37+15	0.0000	1.79	Q					42+25	0.0000	1.56	Q				
37+20	0.0000	1.79	Q					42+30	0.0000	1.55	Q				
37+25	0.0000	1.79	Q					42+35	0.0000	1.55	Q				
37+30	0.0000	1.78	Q					42+40	0.0000	1.54	Q				
37+35	0.0000	1.78	Q					42+45	0.0000	1.54	Q				
37+40	0.0000	1.78	Q					42+50	0.0000	1.53	Q				
37+45	0.0000	1.77	Q					42+55	0.0000	1.53	Q				
37+50	0.0000	1.77	Q					43+ 0	0.0000	1.53	Q				
37+55	0.0000	1.77	Q					43+ 5	0.0000	1.52	Q				
38+ 0	0.0000	1.76	Q					43+10	0.0000	1.52	Q				
38+ 5	0.0000	1.76	Q					43+15	0.0000	1.51	Q				
38+10	0.0000	1.75	Q					43+20	0.0000	1.51	Q				
38+15	0.0000	1.75	Q					43+25	0.0000	1.50	Q				
38+20	0.0000	1.75	Q					43+30	0.0000	1.50	Q				
38+25	0.0000	1.74	Q					43+35	0.0000	1.50	Q				
38+30	0.0000	1.74	Q					43+40	0.0000	1.49	Q				
38+35	0.0000	1.74	Q					43+45	0.0000	1.49	Q				
38+40	0.0000	1.73	Q					43+50	0.0000	1.48	Q				
38+45	0.0000	1.73	Q					43+55	0.0000	1.48	Q				
38+50	0.0000	1.73	Q					44+ 0	0.0000	1.48	Q				
38+55	0.0000	1.72	Q					44+ 5	0.0000	1.47	Q				
39+ 0	0.0000	1.72	Q					44+10	0.0000	1.47	Q				
39+ 5	0.0000	1.72	Q					44+15	0.0000	1.46	Q				
39+10	0.0000	1.71	Q					44+20	0.0000	1.46	Q				
39+15	0.0000	1.71	Q					44+25	0.0000	1.46	Q				
39+20	0.0000	1.70	Q					44+30	0.0000	1.45	Q				
39+25	0.0000	1.70	Q					44+35	0.0000	1.45	Q				
39+30	0.0000	1.70	Q					44+40	0.0000	1.44	Q				
39+35	0.0000	1.69	Q					44+45	0.0000	1.44	Q				
39+40	0.0000	1.69	Q					44+50	0.0000	1.44	Q				
39+45	0.0000	1.69	Q					44+55	0.0000	1.43	Q				
39+50	0.0000	1.68	Q					45+ 0	0.0000	1.43	Q				
39+55	0.0000	1.68	Q					45+ 5	0.0000	1.42	Q				
40+ 0	0.0000	1.68	Q					45+10	0.0000	1.42	Q				
40+ 5	0.0000	1.67	Q					45+15	0.0000	1.42	Q				
40+10	0.0000	1.67	Q					45+20	0.0000	1.41	Q				
40+15	0.0000	1.67	Q					45+25	0.0000	1.41	Q				
40+20	0.0000	1.66	Q					45+30	0.0000	1.40	Q				
40+25	0.0000	1.66	Q					45+35	0.0000	1.40	Q				
40+30	0.0000	1.66	Q					45+40	0.0000	1.39	Q				
40+35	0.0000	1.65	Q					45+45	0.0000	1.39	Q				
40+40	0.0000	1.65	Q					45+50	0.0000	1.38	Q				
40+45	0.0000	1.64	Q					45+55	0.0000	1.38	Q				
40+50	0.0000	1.64	Q					46+ 0	0.0000	1.37	Q				
40+55	0.0000	1.64	Q					46+ 5	0.0000	1.36	Q				
41+ 0	0.0000	1.63	Q					46+10	0.0000	1.36	Q				
41+ 5	0.0000	1.63	Q					46+15	0.0000	1.35	Q				
41+10	0.0000	1.62	Q					46+20	0.0000	1.35	Q				
41+15	0.0000	1.62	Q					46+25	0.0000	1.34	Q				
41+20	0.0000	1.61	Q					46+30	0.0000	1.34	Q				
41+25	0.0000	1.61	Q					46+35	0.0000	1.33	Q				
41+30	0.0000	1.60	Q					46+40	0.0000	1.33	Q				
41+35	0.0000	1.60	Q					46+45	0.0000	1.32	Q				

46+50	0.0000	1.32	Q					52+ 0	0.0000	0.96	Q				
46+55	0.0000	1.31	Q					52+ 5	0.0000	0.95	Q				
47+ 0	0.0000	1.31	Q					52+10	0.0000	0.94	Q				
47+ 5	0.0000	1.30	Q					52+15	0.0000	0.93	Q				
47+10	0.0000	1.30	Q					52+20	0.0000	0.92	Q				
47+15	0.0000	1.29	Q					52+25	0.0000	0.92	Q				
47+20	0.0000	1.29	Q					52+30	0.0000	0.91	Q				
47+25	0.0000	1.28	Q					52+35	0.0000	0.90	Q				
47+30	0.0000	1.28	Q					52+40	0.0000	0.89	Q				
47+35	0.0000	1.27	Q					52+45	0.0000	0.89	Q				
47+40	0.0000	1.27	Q					52+50	0.0000	0.88	Q				
47+45	0.0000	1.26	Q					52+55	0.0000	0.87	Q				
47+50	0.0000	1.26	Q					53+ 0	0.0000	0.87	Q				
47+55	0.0000	1.25	Q					53+ 5	0.0000	0.86	Q				
48+ 0	0.0000	1.25	Q					53+10	0.0000	0.85	Q				
48+ 5	0.0000	1.24	Q					53+15	0.0000	0.84	Q				
48+10	0.0000	1.24	Q					53+20	0.0000	0.84	Q				
48+15	0.0000	1.24	Q					53+25	0.0000	0.83	Q				
48+20	0.0000	1.23	Q					53+30	0.0000	0.82	Q				
48+25	0.0000	1.23	Q					53+35	0.0000	0.82	Q				
48+30	0.0000	1.22	Q					53+40	0.0000	0.81	Q				
48+35	0.0000	1.22	Q					53+45	0.0000	0.80	Q				
48+40	0.0000	1.21	Q					53+50	0.0000	0.80	Q				
48+45	0.0000	1.21	Q					53+55	0.0000	0.79	Q				
48+50	0.0000	1.20	Q					54+ 0	0.0000	0.78	Q				
48+55	0.0000	1.20	Q					54+ 5	0.0000	0.78	Q				
49+ 0	0.0000	1.19	Q					54+10	0.0000	0.77	Q				
49+ 5	0.0000	1.19	Q					54+15	0.0000	0.76	Q				
49+10	0.0000	1.18	Q					54+20	0.0000	0.76	Q				
49+15	0.0000	1.18	Q					54+25	0.0000	0.75	Q				
49+20	0.0000	1.18	Q					54+30	0.0000	0.75	Q				
49+25	0.0000	1.17	Q					54+35	0.0000	0.74	Q				
49+30	0.0000	1.17	Q					54+40	0.0000	0.73	Q				
49+35	0.0000	1.16	Q					54+45	0.0000	0.73	Q				
49+40	0.0000	1.16	Q					54+50	0.0000	0.72	Q				
49+45	0.0000	1.15	Q					54+55	0.0000	0.72	Q				
49+50	0.0000	1.15	Q					55+ 0	0.0000	0.71	Q				
49+55	0.0000	1.14	Q					55+ 5	0.0000	0.70	Q				
50+ 0	0.0000	1.14	Q					55+10	0.0000	0.70	Q				
50+ 5	0.0000	1.14	Q					55+15	0.0000	0.69	Q				
50+10	0.0000	1.13	Q					55+20	0.0000	0.69	Q				
50+15	0.0000	1.13	Q					55+25	0.0000	0.68	Q				
50+20	0.0000	1.12	Q					55+30	0.0000	0.68	Q				
50+25	0.0000	1.12	Q					55+35	0.0000	0.67	Q				
50+30	0.0000	1.11	Q					55+40	0.0000	0.66	Q				
50+35	0.0000	1.10	Q					55+45	0.0000	0.66	Q				
50+40	0.0000	1.09	Q					55+50	0.0000	0.65	Q				
50+45	0.0000	1.08	Q					55+55	0.0000	0.65	Q				
50+50	0.0000	1.07	Q					56+ 0	0.0000	0.64	Q				
50+55	0.0000	1.06	Q					56+ 5	0.0000	0.64	Q				
51+ 0	0.0000	1.05	Q					56+10	0.0000	0.63	Q				
51+ 5	0.0000	1.05	Q					56+15	0.0000	0.63	Q				
51+10	0.0000	1.04	Q					56+20	0.0000	0.62	Q				
51+15	0.0000	1.03	Q					56+25	0.0000	0.62	Q				
51+20	0.0000	1.02	Q					56+30	0.0000	0.61	Q				
51+25	0.0000	1.01	Q					56+35	0.0000	0.61	Q				
51+30	0.0000	1.00	Q					56+40	0.0000	0.60	Q				
51+35	0.0000	1.00	Q					56+45	0.0000	0.60	Q				
51+40	0.0000	0.99	Q					56+50	0.0000	0.59	Q				
51+45	0.0000	0.98	Q					56+55	0.0000	0.59	Q				
51+50	0.0000	0.97	Q					57+ 0	0.0000	0.58	Q				
51+55	0.0000	0.96	Q					57+ 5	0.0000	0.58	Q				

57+10	0.0000	0.58	Q					62+20	0.0000	0.47	Q				
57+15	0.0000	0.58	Q					62+25	0.0000	0.47	Q				
57+20	0.0000	0.57	Q					62+30	0.0000	0.47	Q				
57+25	0.0000	0.57	Q					62+35	0.0000	0.47	Q				
57+30	0.0000	0.57	Q					62+40	0.0000	0.47	Q				
57+35	0.0000	0.57	Q					62+45	0.0000	0.47	Q				
57+40	0.0000	0.57	Q					62+50	0.0000	0.46	Q				
57+45	0.0000	0.56	Q					62+55	0.0000	0.46	Q				
57+50	0.0000	0.56	Q					63+ 0	0.0000	0.46	Q				
57+55	0.0000	0.56	Q					63+ 5	0.0000	0.46	Q				
58+ 0	0.0000	0.56	Q					63+10	0.0000	0.46	Q				
58+ 5	0.0000	0.56	Q					63+15	0.0000	0.46	Q				
58+10	0.0000	0.56	Q					63+20	0.0000	0.45	Q				
58+15	0.0000	0.55	Q					63+25	0.0000	0.45	Q				
58+20	0.0000	0.55	Q					63+30	0.0000	0.45	Q				
58+25	0.0000	0.55	Q					63+35	0.0000	0.45	Q				
58+30	0.0000	0.55	Q					63+40	0.0000	0.45	Q				
58+35	0.0000	0.55	Q					63+45	0.0000	0.45	Q				
58+40	0.0000	0.54	Q					63+50	0.0000	0.45	Q				
58+45	0.0000	0.54	Q					63+55	0.0000	0.44	Q				
58+50	0.0000	0.54	Q					64+ 0	0.0000	0.44	Q				
58+55	0.0000	0.54	Q					64+ 5	0.0000	0.44	Q				
59+ 0	0.0000	0.54	Q					64+10	0.0000	0.44	Q				
59+ 5	0.0000	0.54	Q					64+15	0.0000	0.44	Q				
59+10	0.0000	0.53	Q					64+20	0.0000	0.44	Q				
59+15	0.0000	0.53	Q					64+25	0.0000	0.44	Q				
59+20	0.0000	0.53	Q					64+30	0.0000	0.43	Q				
59+25	0.0000	0.53	Q					64+35	0.0000	0.43	Q				
59+30	0.0000	0.53	Q					64+40	0.0000	0.43	Q				
59+35	0.0000	0.53	Q					64+45	0.0000	0.43	Q				
59+40	0.0000	0.52	Q					64+50	0.0000	0.43	Q				
59+45	0.0000	0.52	Q					64+55	0.0000	0.43	Q				
59+50	0.0000	0.52	Q					65+ 0	0.0000	0.43	Q				
59+55	0.0000	0.52	Q					65+ 5	0.0000	0.42	Q				
60+ 0	0.0000	0.52	Q					65+10	0.0000	0.42	Q				
60+ 5	0.0000	0.52	Q					65+15	0.0000	0.42	Q				
60+10	0.0000	0.51	Q					65+20	0.0000	0.42	Q				
60+15	0.0000	0.51	Q					65+25	0.0000	0.42	Q				
60+20	0.0000	0.51	Q					65+30	0.0000	0.42	Q				
60+25	0.0000	0.51	Q					65+35	0.0000	0.42	Q				
60+30	0.0000	0.51	Q					65+40	0.0000	0.42	Q				
60+35	0.0000	0.51	Q					65+45	0.0000	0.41	Q				
60+40	0.0000	0.50	Q					65+50	0.0000	0.41	Q				
60+45	0.0000	0.50	Q					65+55	0.0000	0.41	Q				
60+50	0.0000	0.50	Q					66+ 0	0.0000	0.41	Q				
60+55	0.0000	0.50	Q					66+ 5	0.0000	0.41	Q				
61+ 0	0.0000	0.50	Q					66+10	0.0000	0.41	Q				
61+ 5	0.0000	0.50	Q					66+15	0.0000	0.41	Q				
61+10	0.0000	0.49	Q					66+20	0.0000	0.40	Q				
61+15	0.0000	0.49	Q					66+25	0.0000	0.40	Q				
61+20	0.0000	0.49	Q					66+30	0.0000	0.40	Q				
61+25	0.0000	0.49	Q					66+35	0.0000	0.40	Q				
61+30	0.0000	0.49	Q					66+40	0.0000	0.40	Q				
61+35	0.0000	0.49	Q					66+45	0.0000	0.40	Q				
61+40	0.0000	0.49	Q					66+50	0.0000	0.39	Q				
61+45	0.0000	0.48	Q					66+55	0.0000	0.39	Q				
61+50	0.0000	0.48	Q					67+ 0	0.0000	0.39	Q				
61+55	0.0000	0.48	Q					67+ 5	0.0000	0.38	Q				
62+ 0	0.0000	0.48	Q					67+10	0.0000	0.38	Q				
62+ 5	0.0000	0.48	Q					67+15	0.0000	0.38	Q				
62+10	0.0000	0.48	Q					67+20	0.0000	0.37	Q				
62+15	0.0000	0.47	Q					67+25	0.0000	0.37	Q				

67+30	0.0000	0.37	Q					72+40	0.0000	0.21	Q				
67+35	0.0000	0.36	Q					72+45	0.0000	0.21	Q				
67+40	0.0000	0.36	Q					72+50	0.0000	0.21	Q				
67+45	0.0000	0.36	Q					72+55	0.0000	0.21	Q				
67+50	0.0000	0.35	Q					73+ 0	0.0000	0.21	Q				
67+55	0.0000	0.35	Q					73+ 5	0.0000	0.21	Q				
68+ 0	0.0000	0.35	Q					73+10	0.0000	0.20	Q				
68+ 5	0.0000	0.34	Q					73+15	0.0000	0.20	Q				
68+10	0.0000	0.34	Q					73+20	0.0000	0.20	Q				
68+15	0.0000	0.34	Q					73+25	0.0000	0.20	Q				
68+20	0.0000	0.34	Q					73+30	0.0000	0.20	Q				
68+25	0.0000	0.33	Q					73+35	0.0000	0.19	Q				
68+30	0.0000	0.33	Q					73+40	0.0000	0.19	Q				
68+35	0.0000	0.33	Q					73+45	0.0000	0.19	Q				
68+40	0.0000	0.32	Q					73+50	0.0000	0.19	Q				
68+45	0.0000	0.32	Q					73+55	0.0000	0.19	Q				
68+50	0.0000	0.32	Q					74+ 0	0.0000	0.19	Q				
68+55	0.0000	0.32	Q					74+ 5	0.0000	0.19	Q				
69+ 0	0.0000	0.31	Q					74+10	0.0000	0.18	Q				
69+ 5	0.0000	0.31	Q					74+15	0.0000	0.18	Q				
69+10	0.0000	0.31	Q					74+20	0.0000	0.18	Q				
69+15	0.0000	0.31	Q					74+25	0.0000	0.18	Q				
69+20	0.0000	0.30	Q					74+30	0.0000	0.18	Q				
69+25	0.0000	0.30	Q					74+35	0.0000	0.18	Q				
69+30	0.0000	0.30	Q					74+40	0.0000	0.17	Q				
69+35	0.0000	0.29	Q					74+45	0.0000	0.17	Q				
69+40	0.0000	0.29	Q					74+50	0.0000	0.17	Q				
69+45	0.0000	0.29	Q					74+55	0.0000	0.17	Q				
69+50	0.0000	0.29	Q					75+ 0	0.0000	0.17	Q				
69+55	0.0000	0.28	Q					75+ 5	0.0000	0.17	Q				
70+ 0	0.0000	0.28	Q					75+10	0.0000	0.17	Q				
70+ 5	0.0000	0.28	Q					75+15	0.0000	0.16	Q				
70+10	0.0000	0.28	Q					75+20	0.0000	0.16	Q				
70+15	0.0000	0.28	Q					75+25	0.0000	0.16	Q				
70+20	0.0000	0.27	Q					75+30	0.0000	0.16	Q				
70+25	0.0000	0.27	Q					75+35	0.0000	0.16	Q				
70+30	0.0000	0.27	Q					75+40	0.0000	0.16	Q				
70+35	0.0000	0.27	Q					75+45	0.0000	0.16	Q				
70+40	0.0000	0.26	Q					75+50	0.0000	0.15	Q				
70+45	0.0000	0.26	Q					75+55	0.0000	0.15	Q				
70+50	0.0000	0.26	Q					76+ 0	0.0000	0.15	Q				
70+55	0.0000	0.26	Q					76+ 5	0.0000	0.15	Q				
71+ 0	0.0000	0.25	Q					76+10	0.0000	0.15	Q				
71+ 5	0.0000	0.25	Q					76+15	0.0000	0.15	Q				
71+10	0.0000	0.25	Q					76+20	0.0000	0.15	Q				
71+15	0.0000	0.25	Q					76+25	0.0000	0.15	Q				
71+20	0.0000	0.25	Q					76+30	0.0000	0.14	Q				
71+25	0.0000	0.24	Q					76+35	0.0000	0.14	Q				
71+30	0.0000	0.24	Q					76+40	0.0000	0.14	Q				
71+35	0.0000	0.24	Q					76+45	0.0000	0.14	Q				
71+40	0.0000	0.24	Q					76+50	0.0000	0.14	Q				
71+45	0.0000	0.24	Q					76+55	0.0000	0.14	Q				
71+50	0.0000	0.23	Q					77+ 0	0.0000	0.14	Q				
71+55	0.0000	0.23	Q					77+ 5	0.0000	0.14	Q				
72+ 0	0.0000	0.23	Q					77+10	0.0000	0.13	Q				
72+ 5	0.0000	0.23	Q					77+15	0.0000	0.13	Q				
72+10	0.0000	0.23	Q					77+20	0.0000	0.13	Q				
72+15	0.0000	0.22	Q					77+25	0.0000	0.13	Q				
72+20	0.0000	0.22	Q					77+30	0.0000	0.13	Q				
72+25	0.0000	0.22	Q					77+35	0.0000	0.13	Q				
72+30	0.0000	0.22	Q					77+40	0.0000	0.13	Q				
72+35	0.0000	0.22	Q					77+45	0.0000	0.13	Q				

77+50	0.0000	0.13	Q	|	|	|	|	83+ 0	0.0000	0.07	Q	|	|	|	|
77+55	0.0000	0.12	Q	|	|	|	|	83+ 5	0.0000	0.07	Q	|	|	|	|
78+ 0	0.0000	0.12	Q	|	|	|	|	83+10	0.0000	0.07	Q	|	|	|	|
78+ 5	0.0000	0.12	Q	|	|	|	|	83+15	0.0000	0.07	Q	|	|	|	|
78+10	0.0000	0.12	Q	|	|	|	|	83+20	0.0000	0.07	Q	|	|	|	|
78+15	0.0000	0.12	Q	|	|	|	|	83+25	0.0000	0.07	Q	|	|	|	|
78+20	0.0000	0.12	Q	|	|	|	|	83+30	0.0000	0.07	Q	|	|	|	|
78+25	0.0000	0.12	Q	|	|	|	|	83+35	0.0000	0.07	Q	|	|	|	|
78+30	0.0000	0.12	Q	|	|	|	|	83+40	0.0000	0.07	Q	|	|	|	|
78+35	0.0000	0.12	Q	|	|	|	|	83+45	0.0000	0.07	Q	|	|	|	|
78+40	0.0000	0.12	Q	|	|	|	|	83+50	0.0000	0.07	Q	|	|	|	|
78+45	0.0000	0.11	Q	|	|	|	|	83+55	0.0000	0.07	Q	|	|	|	|
78+50	0.0000	0.11	Q	|	|	|	|	84+ 0	0.0000	0.07	Q	|	|	|	|
78+55	0.0000	0.11	Q	|	|	|	|	84+ 5	0.0000	0.07	Q	|	|	|	|
79+ 0	0.0000	0.11	Q	|	|	|	|	84+10	0.0000	0.07	Q	|	|	|	|
79+ 5	0.0000	0.11	Q	|	|	|	|	84+15	0.0000	0.06	Q	|	|	|	|
79+10	0.0000	0.11	Q	|	|	|	|	84+20	0.0000	0.06	Q	|	|	|	|
79+15	0.0000	0.11	Q	|	|	|	|	84+25	0.0000	0.06	Q	|	|	|	|
79+20	0.0000	0.11	Q	|	|	|	|	84+30	0.0000	0.06	Q	|	|	|	|
79+25	0.0000	0.11	Q	|	|	|	|	84+35	0.0000	0.06	Q	|	|	|	|
79+30	0.0000	0.11	Q	|	|	|	|	84+40	0.0000	0.06	Q	|	|	|	|
79+35	0.0000	0.10	Q	|	|	|	|	84+45	0.0000	0.06	Q	|	|	|	|
79+40	0.0000	0.10	Q	|	|	|	|	84+50	0.0000	0.06	Q	|	|	|	|
79+45	0.0000	0.10	Q	|	|	|	|	84+55	0.0000	0.06	Q	|	|	|	|
79+50	0.0000	0.10	Q	|	|	|	|	85+ 0	0.0000	0.06	Q	|	|	|	|
79+55	0.0000	0.10	Q	|	|	|	|	85+ 5	0.0000	0.06	Q	|	|	|	|
80+ 0	0.0000	0.10	Q	|	|	|	|	85+10	0.0000	0.06	Q	|	|	|	|
80+ 5	0.0000	0.10	Q	|	|	|	|	85+15	0.0000	0.06	Q	|	|	|	|
80+10	0.0000	0.10	Q	|	|	|	|	85+20	0.0000	0.06	Q	|	|	|	|
80+15	0.0000	0.10	Q	|	|	|	|	85+25	0.0000	0.06	Q	|	|	|	|
80+20	0.0000	0.10	Q	|	|	|	|	85+30	0.0000	0.06	Q	|	|	|	|
80+25	0.0000	0.10	Q	|	|	|	|	85+35	0.0000	0.06	Q	|	|	|	|
80+30	0.0000	0.10	Q	|	|	|	|	85+40	0.0000	0.06	Q	|	|	|	|
80+35	0.0000	0.09	Q	|	|	|	|	85+45	0.0000	0.06	Q	|	|	|	|
80+40	0.0000	0.09	Q	|	|	|	|	85+50	0.0000	0.05	Q	|	|	|	|
80+45	0.0000	0.09	Q	|	|	|	|	85+55	0.0000	0.05	Q	|	|	|	|
80+50	0.0000	0.09	Q	|	|	|	|	86+ 0	0.0000	0.05	Q	|	|	|	|
80+55	0.0000	0.09	Q	|	|	|	|	86+ 5	0.0000	0.05	Q	|	|	|	|
81+ 0	0.0000	0.09	Q	|	|	|	|	86+10	0.0000	0.05	Q	|	|	|	|
81+ 5	0.0000	0.09	Q	|	|	|	|	86+15	0.0000	0.05	Q	|	|	|	|
81+10	0.0000	0.09	Q	|	|	|	|	86+20	0.0000	0.05	Q	|	|	|	|
81+15	0.0000	0.09	Q	|	|	|	|	86+25	0.0000	0.05	Q	|	|	|	|
81+20	0.0000	0.09	Q	|	|	|	|	86+30	0.0000	0.05	Q	|	|	|	|
81+25	0.0000	0.09	Q	|	|	|	|	86+35	0.0000	0.05	Q	|	|	|	|
81+30	0.0000	0.09	Q	|	|	|	|	86+40	0.0000	0.05	Q	|	|	|	|
81+35	0.0000	0.09	Q	|	|	|	|	86+45	0.0000	0.05	Q	|	|	|	|
81+40	0.0000	0.08	Q	|	|	|	|	86+50	0.0000	0.05	Q	|	|	|	|
81+45	0.0000	0.08	Q	|	|	|	|	86+55	0.0000	0.05	Q	|	|	|	|
81+50	0.0000	0.08	Q	|	|	|	|	87+ 0	0.0000	0.05	Q	|	|	|	|
81+55	0.0000	0.08	Q	|	|	|	|	87+ 5	0.0000	0.05	Q	|	|	|	|
82+ 0	0.0000	0.08	Q	|	|	|	|	87+10	0.0000	0.05	Q	|	|	|	|
82+ 5	0.0000	0.08	Q	|	|	|	|	87+15	0.0000	0.05	Q	|	|	|	|
82+10	0.0000	0.08	Q	|	|	|	|	87+20	0.0000	0.05	Q	|	|	|	|
82+15	0.0000	0.08	Q	|	|	|	|	87+25	0.0000	0.05	Q	|	|	|	|
82+20	0.0000	0.08	Q	|	|	|	|	87+30	0.0000	0.05	Q	|	|	|	|
82+25	0.0000	0.08	Q	|	|	|	|	87+35	0.0000	0.05	Q	|	|	|	|
82+30	0.0000	0.08	Q	|	|	|	|	87+40	0.0000	0.05	Q	|	|	|	|
82+35	0.0000	0.08	Q	|	|	|	|	87+45	0.0000	0.04	Q	|	|	|	|
82+40	0.0000	0.08	Q	|	|	|	|	87+50	0.0000	0.04	Q	|	|	|	|
82+45	0.0000	0.08	Q	|	|	|	|	87+55	0.0000	0.04	Q	|	|	|	|
82+50	0.0000	0.07	Q	|	|	|	|	88+ 0	0.0000	0.04	Q	|	|	|	|
82+55	0.0000	0.07	Q	|	|	|	|	88+ 5	0.0000	0.04	Q	|	|	|	|

88+10	0.0000	0.04	Q					93+20	0.0000	0.03	Q				
88+15	0.0000	0.04	Q					93+25	0.0000	0.02	Q				
88+20	0.0000	0.04	Q					93+30	0.0000	0.02	Q				
88+25	0.0000	0.04	Q					93+35	0.0000	0.02	Q				
88+30	0.0000	0.04	Q					93+40	0.0000	0.02	Q				
88+35	0.0000	0.04	Q					93+45	0.0000	0.02	Q				
88+40	0.0000	0.04	Q					93+50	0.0000	0.02	Q				
88+45	0.0000	0.04	Q					93+55	0.0000	0.02	Q				
88+50	0.0000	0.04	Q					94+ 0	0.0000	0.02	Q				
88+55	0.0000	0.04	Q					94+ 5	0.0000	0.02	Q				
89+ 0	0.0000	0.04	Q					94+10	0.0000	0.02	Q				
89+ 5	0.0000	0.04	Q					94+15	0.0000	0.02	Q				
89+10	0.0000	0.04	Q					94+20	0.0000	0.02	Q				
89+15	0.0000	0.04	Q					94+25	0.0000	0.02	Q				
89+20	0.0000	0.04	Q					94+30	0.0000	0.02	Q				
89+25	0.0000	0.04	Q					94+35	0.0000	0.02	Q				
89+30	0.0000	0.04	Q					94+40	0.0000	0.02	Q				
89+35	0.0000	0.04	Q					94+45	0.0000	0.02	Q				
89+40	0.0000	0.04	Q					94+50	0.0000	0.02	Q				
89+45	0.0000	0.04	Q					94+55	0.0000	0.02	Q				
89+50	0.0000	0.04	Q					95+ 0	0.0000	0.02	Q				
89+55	0.0000	0.04	Q					95+ 5	0.0000	0.02	Q				
90+ 0	0.0000	0.04	Q					95+10	0.0000	0.02	Q				
90+ 5	0.0000	0.04	Q					95+15	0.0000	0.02	Q				
90+10	0.0000	0.03	Q					95+20	0.0000	0.02	Q				
90+15	0.0000	0.03	Q					95+25	0.0000	0.02	Q				
90+20	0.0000	0.03	Q					95+30	0.0000	0.02	Q				
90+25	0.0000	0.03	Q					95+35	0.0000	0.02	Q				
90+30	0.0000	0.03	Q					95+40	0.0000	0.02	Q				
90+35	0.0000	0.03	Q					95+45	0.0000	0.02	Q				
90+40	0.0000	0.03	Q					95+50	0.0000	0.02	Q				
90+45	0.0000	0.03	Q					95+55	0.0000	0.02	Q				
90+50	0.0000	0.03	Q					96+ 0	0.0000	0.02	Q				
90+55	0.0000	0.03	Q					96+ 5	0.0000	0.02	Q				
91+ 0	0.0000	0.03	Q					96+10	0.0000	0.02	Q				
91+ 5	0.0000	0.03	Q					96+15	0.0000	0.02	Q				
91+10	0.0000	0.03	Q					96+20	0.0000	0.02	Q				
91+15	0.0000	0.03	Q					96+25	0.0000	0.02	Q				
91+20	0.0000	0.03	Q					96+30	0.0000	0.02	Q				
91+25	0.0000	0.03	Q					96+35	0.0000	0.02	Q				
91+30	0.0000	0.03	Q					96+40	0.0000	0.02	Q				
91+35	0.0000	0.03	Q					96+45	0.0000	0.02	Q				
91+40	0.0000	0.03	Q					96+50	0.0000	0.02	Q				
91+45	0.0000	0.03	Q					96+55	0.0000	0.02	Q				
91+50	0.0000	0.03	Q					97+ 0	0.0000	0.02	Q				
91+55	0.0000	0.03	Q					97+ 5	0.0000	0.02	Q				
92+ 0	0.0000	0.03	Q					97+10	0.0000	0.02	Q				
92+ 5	0.0000	0.03	Q					97+15	0.0000	0.02	Q				
92+10	0.0000	0.03	Q					97+20	0.0000	0.02	Q				
92+15	0.0000	0.03	Q					97+25	0.0000	0.02	Q				
92+20	0.0000	0.03	Q					97+30	0.0000	0.02	Q				
92+25	0.0000	0.03	Q					97+35	0.0000	0.02	Q				
92+30	0.0000	0.03	Q					97+40	0.0000	0.02	Q				
92+35	0.0000	0.03	Q					97+45	0.0000	0.02	Q				
92+40	0.0000	0.03	Q					97+50	0.0000	0.02	Q				
92+45	0.0000	0.03	Q					97+55	0.0000	0.02	Q				
92+50	0.0000	0.03	Q					98+ 0	0.0000	0.02	Q				
92+55	0.0000	0.03	Q					98+ 5	0.0000	0.02	Q				
93+ 0	0.0000	0.03	Q					98+10	0.0000	0.02	Q				
93+ 5	0.0000	0.03	Q					98+15	0.0000	0.02	Q				
93+10	0.0000	0.03	Q					98+20	0.0000	0.01	Q				
93+15	0.0000	0.03	Q					98+25	0.0000	0.01	Q				

98+30	0.0000	0.01	Q					103+40	0.0000	0.01	Q				
98+35	0.0000	0.01	Q					103+45	0.0000	0.01	Q				
98+40	0.0000	0.01	Q					103+50	0.0000	0.01	Q				
98+45	0.0000	0.01	Q					103+55	0.0000	0.01	Q				
98+50	0.0000	0.01	Q					104+ 0	0.0000	0.01	Q				
98+55	0.0000	0.01	Q					104+ 5	0.0000	0.01	Q				
99+ 0	0.0000	0.01	Q					104+10	0.0000	0.01	Q				
99+ 5	0.0000	0.01	Q					104+15	0.0000	0.01	Q				
99+10	0.0000	0.01	Q					104+20	0.0000	0.01	Q				
99+15	0.0000	0.01	Q					104+25	0.0000	0.01	Q				
99+20	0.0000	0.01	Q					104+30	0.0000	0.01	Q				
99+25	0.0000	0.01	Q					104+35	0.0000	0.01	Q				
99+30	0.0000	0.01	Q					104+40	0.0000	0.01	Q				
99+35	0.0000	0.01	Q					104+45	0.0000	0.01	Q				
99+40	0.0000	0.01	Q					104+50	0.0000	0.01	Q				
99+45	0.0000	0.01	Q					104+55	0.0000	0.01	Q				
99+50	0.0000	0.01	Q					105+ 0	0.0000	0.01	Q				
99+55	0.0000	0.01	Q					105+ 5	0.0000	0.01	Q				
100+ 0	0.0000	0.01	Q					105+10	0.0000	0.01	Q				
100+ 5	0.0000	0.01	Q					105+15	0.0000	0.01	Q				
100+10	0.0000	0.01	Q					105+20	0.0000	0.01	Q				
100+15	0.0000	0.01	Q					105+25	0.0000	0.01	Q				
100+20	0.0000	0.01	Q					105+30	0.0000	0.01	Q				
100+25	0.0000	0.01	Q					105+35	0.0000	0.01	Q				
100+30	0.0000	0.01	Q					105+40	0.0000	0.01	Q				
100+35	0.0000	0.01	Q					105+45	0.0000	0.01	Q				
100+40	0.0000	0.01	Q					105+50	0.0000	0.01	Q				
100+45	0.0000	0.01	Q					105+55	0.0000	0.01	Q				
100+50	0.0000	0.01	Q					106+ 0	0.0000	0.01	Q				
100+55	0.0000	0.01	Q					106+ 5	0.0000	0.01	Q				
101+ 0	0.0000	0.01	Q					106+10	0.0000	0.01	Q				
101+ 5	0.0000	0.01	Q					106+15	0.0000	0.01	Q				
101+10	0.0000	0.01	Q					106+20	0.0000	0.01	Q				
101+15	0.0000	0.01	Q					106+25	0.0000	0.01	Q				
101+20	0.0000	0.01	Q					106+30	0.0000	0.01	Q				
101+25	0.0000	0.01	Q					106+35	0.0000	0.01	Q				
101+30	0.0000	0.01	Q					106+40	0.0000	0.01	Q				
101+35	0.0000	0.01	Q					106+45	0.0000	0.01	Q				
101+40	0.0000	0.01	Q					106+50	0.0000	0.01	Q				
101+45	0.0000	0.01	Q					106+55	0.0000	0.01	Q				
101+50	0.0000	0.01	Q					107+ 0	0.0000	0.01	Q				
101+55	0.0000	0.01	Q					107+ 5	0.0000	0.01	Q				
102+ 0	0.0000	0.01	Q					107+10	0.0000	0.01	Q				
102+ 5	0.0000	0.01	Q					107+15	0.0000	0.01	Q				
102+10	0.0000	0.01	Q					107+20	0.0000	0.01	Q				
102+15	0.0000	0.01	Q					107+25	0.0000	0.01	Q				
102+20	0.0000	0.01	Q					107+30	0.0000	0.01	Q				
102+25	0.0000	0.01	Q					107+35	0.0000	0.01	Q				
102+30	0.0000	0.01	Q					107+40	0.0000	0.01	Q				
102+35	0.0000	0.01	Q					107+45	0.0000	0.01	Q				
102+40	0.0000	0.01	Q					107+50	0.0000	0.01	Q				
102+45	0.0000	0.01	Q					107+55	0.0000	0.01	Q				
102+50	0.0000	0.01	Q					108+ 0	0.0000	0.01	Q				
102+55	0.0000	0.01	Q					108+ 5	0.0000	0.01	Q				
103+ 0	0.0000	0.01	Q					108+10	0.0000	0.01	Q				
103+ 5	0.0000	0.01	Q					108+15	0.0000	0.01	Q				
103+10	0.0000	0.01	Q					108+20	0.0000	0.01	Q				
103+15	0.0000	0.01	Q					108+25	0.0000	0.01	Q				
103+20	0.0000	0.01	Q					108+30	0.0000	0.01	Q				
103+25	0.0000	0.01	Q					108+35	0.0000	0.01	Q				
103+30	0.0000	0.01	Q					108+40	0.0000	0.01	Q				
103+35	0.0000	0.01	Q					108+45	0.0000	0.01	Q				

108+50	0.0000	0.01	Q					114+ 0	0.0000	0.00	Q				
108+55	0.0000	0.01	Q					114+ 5	0.0000	0.00	Q				
109+ 0	0.0000	0.00	Q					114+10	0.0000	0.00	Q				
109+ 5	0.0000	0.00	Q					114+15	0.0000	0.00	Q				
109+10	0.0000	0.00	Q					114+20	0.0000	0.00	Q				
109+15	0.0000	0.00	Q					114+25	0.0000	0.00	Q				
109+20	0.0000	0.00	Q					114+30	0.0000	0.00	Q				
109+25	0.0000	0.00	Q					114+35	0.0000	0.00	Q				
109+30	0.0000	0.00	Q					114+40	0.0000	0.00	Q				
109+35	0.0000	0.00	Q					114+45	0.0000	0.00	Q				
109+40	0.0000	0.00	Q					114+50	0.0000	0.00	Q				
109+45	0.0000	0.00	Q					114+55	0.0000	0.00	Q				
109+50	0.0000	0.00	Q					115+ 0	0.0000	0.00	Q				
109+55	0.0000	0.00	Q					115+ 5	0.0000	0.00	Q				
110+ 0	0.0000	0.00	Q					115+10	0.0000	0.00	Q				
110+ 5	0.0000	0.00	Q					115+15	0.0000	0.00	Q				
110+10	0.0000	0.00	Q					115+20	0.0000	0.00	Q				
110+15	0.0000	0.00	Q					115+25	0.0000	0.00	Q				
110+20	0.0000	0.00	Q					115+30	0.0000	0.00	Q				
110+25	0.0000	0.00	Q					115+35	0.0000	0.00	Q				
110+30	0.0000	0.00	Q					115+40	0.0000	0.00	Q				
110+35	0.0000	0.00	Q					115+45	0.0000	0.00	Q				
110+40	0.0000	0.00	Q					115+50	0.0000	0.00	Q				
110+45	0.0000	0.00	Q					115+55	0.0000	0.00	Q				
110+50	0.0000	0.00	Q					116+ 0	0.0000	0.00	Q				
110+55	0.0000	0.00	Q					116+ 5	0.0000	0.00	Q				
111+ 0	0.0000	0.00	Q					116+10	0.0000	0.00	Q				
111+ 5	0.0000	0.00	Q					116+15	0.0000	0.00	Q				
111+10	0.0000	0.00	Q					116+20	0.0000	0.00	Q				
111+15	0.0000	0.00	Q					116+25	0.0000	0.00	Q				
111+20	0.0000	0.00	Q					116+30	0.0000	0.00	Q				
111+25	0.0000	0.00	Q					116+35	0.0000	0.00	Q				
111+30	0.0000	0.00	Q					116+40	0.0000	0.00	Q				
111+35	0.0000	0.00	Q					116+45	0.0000	0.00	Q				
111+40	0.0000	0.00	Q					116+50	0.0000	0.00	Q				
111+45	0.0000	0.00	Q					116+55	0.0000	0.00	Q				
111+50	0.0000	0.00	Q					117+ 0	0.0000	0.00	Q				
111+55	0.0000	0.00	Q					117+ 5	0.0000	0.00	Q				
112+ 0	0.0000	0.00	Q					117+10	0.0000	0.00	Q				
112+ 5	0.0000	0.00	Q					117+15	0.0000	0.00	Q				
112+10	0.0000	0.00	Q					117+20	0.0000	0.00	Q				
112+15	0.0000	0.00	Q					117+25	0.0000	0.00	Q				
112+20	0.0000	0.00	Q					117+30	0.0000	0.00	Q				
112+25	0.0000	0.00	Q					117+35	0.0000	0.00	Q				
112+30	0.0000	0.00	Q					117+40	0.0000	0.00	Q				
112+35	0.0000	0.00	Q					117+45	0.0000	0.00	Q				
112+40	0.0000	0.00	Q					117+50	0.0000	0.00	Q				
112+45	0.0000	0.00	Q					117+55	0.0000	0.00	Q				
112+50	0.0000	0.00	Q					118+ 0	0.0000	0.00	Q				
112+55	0.0000	0.00	Q					118+ 5	0.0000	0.00	Q				
113+ 0	0.0000	0.00	Q					118+10	0.0000	0.00	Q				
113+ 5	0.0000	0.00	Q					118+15	0.0000	0.00	Q				
113+10	0.0000	0.00	Q					118+20	0.0000	0.00	Q				
113+15	0.0000	0.00	Q					118+25	0.0000	0.00	Q				
113+20	0.0000	0.00	Q					118+30	0.0000	0.00	Q				
113+25	0.0000	0.00	Q					118+35	0.0000	0.00	Q				
113+30	0.0000	0.00	Q					118+40	0.0000	0.00	Q				
113+35	0.0000	0.00	Q					118+45	0.0000	0.00	Q				
113+40	0.0000	0.00	Q					118+50	0.0000	0.00	Q				
113+45	0.0000	0.00	Q					118+55	0.0000	0.00	Q				
113+50	0.0000	0.00	Q					119+ 0	0.0000	0.00	Q				
113+55	0.0000	0.00	Q					119+ 5	0.0000	0.00	Q				

119+10	0.0000	0.00	Q					124+20	0.0000	0.00	Q				
119+15	0.0000	0.00	Q					124+25	0.0000	0.00	Q				
119+20	0.0000	0.00	Q					124+30	0.0000	0.00	Q				
119+25	0.0000	0.00	Q					124+35	0.0000	0.00	Q				
119+30	0.0000	0.00	Q					124+40	0.0000	0.00	Q				
119+35	0.0000	0.00	Q					124+45	0.0000	0.00	Q				
119+40	0.0000	0.00	Q					124+50	0.0000	0.00	Q				
119+45	0.0000	0.00	Q					124+55	0.0000	0.00	Q				
119+50	0.0000	0.00	Q					125+ 0	0.0000	0.00	Q				
119+55	0.0000	0.00	Q					125+ 5	0.0000	0.00	Q				
120+ 0	0.0000	0.00	Q					125+10	0.0000	0.00	Q				
120+ 5	0.0000	0.00	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.00	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.00	Q					125+25	0.0000	0.00	Q				
120+20	0.0000	0.00	Q					125+30	0.0000	0.00	Q				
120+25	0.0000	0.00	Q					125+35	0.0000	0.00	Q				
120+30	0.0000	0.00	Q					125+40	0.0000	0.00	Q				
120+35	0.0000	0.00	Q					125+45	0.0000	0.00	Q				
120+40	0.0000	0.00	Q					125+50	0.0000	0.00	Q				
120+45	0.0000	0.00	Q					125+55	0.0000	0.00	Q				
120+50	0.0000	0.00	Q					126+ 0	0.0000	0.00	Q				
120+55	0.0000	0.00	Q					126+ 5	0.0000	0.00	Q				
121+ 0	0.0000	0.00	Q					126+10	0.0000	0.00	Q				
121+ 5	0.0000	0.00	Q					126+15	0.0000	0.00	Q				
121+10	0.0000	0.00	Q					126+20	0.0000	0.00	Q				
121+15	0.0000	0.00	Q					126+25	0.0000	0.00	Q				
121+20	0.0000	0.00	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.00	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.00	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.00	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.00	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.00	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.00	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.00	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.00	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.00	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.00	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.00	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.00	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.00	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.00	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.00	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.00	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.00	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.00	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.00	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.00	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.00	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.00	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.00	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.00	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.00	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.00	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.00	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.00	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.00	Q					128+55	0.0000	0.00	Q				
123+50	0.0000	0.00	Q					129+ 0	0.0000	0.00	Q				
123+55	0.0000	0.00	Q					129+ 5	0.0000	0.00	Q				
124+ 0	0.0000	0.00	Q					129+10	0.0000	0.00	Q				
124+ 5	0.0000	0.00	Q					129+15	0.0000	0.00	Q				
124+10	0.0000	0.00	Q					129+20	0.0000	0.00	Q				
124+15	0.0000	0.00	Q					129+25	0.0000	0.00	Q				

129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+50	0.0000	0.00	Q				
132+45	0.0000	0.00	Q					137+55	0.0000	0.00	Q				
132+50	0.0000	0.00	Q					138+ 0	0.0000	0.00	Q				
132+55	0.0000	0.00	Q					138+ 5	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q					138+10	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q					138+15	0.0000	0.00	Q				
133+10	0.0000	0.00	Q					138+20	0.0000	0.00	Q				
133+15	0.0000	0.00	Q					138+25	0.0000	0.00	Q				
133+20	0.0000	0.00	Q					138+30	0.0000	0.00	Q				
133+25	0.0000	0.00	Q					138+35	0.0000	0.00	Q				
133+30	0.0000	0.00	Q					138+40	0.0000	0.00	Q				
133+35	0.0000	0.00	Q					138+45	0.0000	0.00	Q				
133+40	0.0000	0.00	Q					138+50	0.0000	0.00	Q				
133+45	0.0000	0.00	Q					138+55	0.0000	0.00	Q				
133+50	0.0000	0.00	Q					139+ 0	0.0000	0.00	Q				
133+55	0.0000	0.00	Q					139+ 5	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q					139+10	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q					139+15	0.0000	0.00	Q				
134+10	0.0000	0.00	Q					139+20	0.0000	0.00	Q				
134+15	0.0000	0.00	Q					139+25	0.0000	0.00	Q				
134+20	0.0000	0.00	Q					139+30	0.0000	0.00	Q				
134+25	0.0000	0.00	Q					139+35	0.0000	0.00	Q				
134+30	0.0000	0.00	Q					139+40	0.0000	0.00	Q				
134+35	0.0000	0.00	Q					139+45	0.0000	0.00	Q				

```
  139+50       0.0000      0.00  Q         |         |         |         |
  139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA**************************
                        Number of intervals =  5002
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      387.673 (CFS)
                        Total volume =      60.363 (Ac.Ft)
                 Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                 Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                 Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
        *************************************************************************

        ---------------------------------------------------------------------
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                FLOOD HYDROGRAPH ROUTING PROGRAM
          Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                     Study date: 08/07/24

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MESA VERDE ESTATES
FLOOD ROUTING 100-YR, 24 HOUR
AREAS 10A, 10B, 10C, 10D, 10E, 10F, 10G & 10H
8/06/24
------------------------------------------------------------------------


Program License Serial Number 6406

------------------------------------------------------------------------
******************** HYDROGRAPH INFORMATION **********************

                From study/file name: MESAP10E10024100.rte
****************************HYDROGRAPH DATA*****************************
                Number of intervals =   290
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        2.461 (CFS)
                Total volume =       0.865 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
************************************************************************



++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.100 to Point/Station       10.200
**** STREAM ROUTING SCS CONVEX METHOD ****
________________________________________________________________________
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =   2710.00 (Ft.)
Elevation difference =   80.00 (Ft.)
Slope of channel =  0.029520 (Vert/Horiz)
Channel type - Pipe


Pipe length  =  2710.00(Ft.)   Elevation difference =  80.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     0.628(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     0.628(CFS)
Normal flow depth in pipe =    2.13(In.)
Flow top width inside pipe =   13.64(In.)
Critical Depth =    0.27(Ft.)
Pipe flow velocity =      4.60(Ft/s)
Travel time through pipe =    9.83 min.


Pipe length  =  2710.00(Ft.)   Elevation difference =  80.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =     2.461(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     2.461(CFS)
Normal flow depth in pipe =    4.10(In.)
Flow top width inside pipe =   18.06(In.)
Critical Depth =    0.55(Ft.)
Pipe flow velocity =      6.92(Ft/s)
Travel time through pipe =    6.53 min.


********************** SCS CONVEX CHANNEL ROUTING *********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.8027   Travel time =   6.53 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   0.9693
        dt(routing time-step) =   5.24 (min.),   c* =   0.7927

Output hydrograph delayed by 1  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                  P R I N T  O F  S T O R M
               R u n o f f     H y d r o g r a p h
------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals (CFS)

------------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        0.6       1.2       1.8       2.5
------------------------------------------------------------------------
  0+ 5       0.0000      0.01  O        |         |         |         |
  0+10       0.0004      0.02  O        |         |         |         |
  0+15       0.0090      0.02  O        |         |         |         |
  0+20       0.0167      0.02  O        |         |         |         |
  0+25       0.0189      0.03  O        |         |         |         |
  0+30       0.0235      0.03  O        |         |         |         |
  0+35       0.0275      0.03  O        |         |         |         |
  0+40       0.0285      0.03  O        |         |         |         |
  0+45       0.0287      0.03  O        |         |         |         |
  0+50       0.0288      0.03  O        |         |         |         |
  0+55       0.0290      0.04  O        |         |         |         |
  1+ 0       0.0332      0.04  O        |         |         |         |
  1+ 5       0.0371      0.03  O        |         |         |         |
  1+10       0.0379      0.03  O        |         |         |         |
  1+15       0.0338      0.03  O        |         |         |         |
  1+20       0.0300      0.03  O        |         |         |         |
  1+25       0.0290      0.03  O        |         |         |         |
  1+30       0.0288      0.03  O        |         |         |         |
  1+35       0.0288      0.03  O        |         |         |         |
  1+40       0.0288      0.03  O        |         |         |         |
  1+45       0.0288      0.03  O        |         |         |         |
  1+50       0.0288      0.03  O        |         |         |         |
  1+55       0.0290      0.04  O        |         |         |         |
  2+ 0       0.0332      0.04  O        |         |         |         |
  2+ 5       0.0371      0.04  O        |         |         |         |
  2+10       0.0381      0.04  O        |         |         |         |
  2+15       0.0383      0.04  O        |         |         |         |
  2+20       0.0383      0.04  O        |         |         |         |
  2+25       0.0384      0.04  O        |         |         |         |
  2+30       0.0384      0.04  O        |         |         |         |
  2+35       0.0384      0.04  O        |         |         |         |
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2+40	0.0386	0.05	O					7+50	0.1138	0.13	OI						
2+45	0.0428	0.05	O					7+55	0.1152	0.14	OI						
2+50	0.0467	0.05	O					8+ 0	0.1245	0.14	O						
2+55	0.0477	0.05	O					8+ 5	0.1352	0.26	O I						
3+ 0	0.0479	0.05	O					8+10	0.1456	0.34	O I						
3+ 5	0.0479	0.05	O					8+15	0.2366	0.35	O I						
3+10	0.0479	0.05	O					8+20	0.3194	0.36	O						
3+15	0.0479	0.05	O					8+25	0.3440	0.36	O						
3+20	0.0479	0.05	O					8+30	0.3532	0.37	O						
3+25	0.0479	0.05	O					8+35	0.3591	0.42	OI						
3+30	0.0479	0.05	O					8+40	0.3663	0.47	O I						
3+35	0.0479	0.05	O					8+45	0.4141	0.48	OI						
3+40	0.0479	0.05	O					8+50	0.4580	0.54	OI						
3+45	0.0479	0.05	O					8+55	0.4747	0.58	O I						
3+50	0.0479	0.05	O					9+ 0	0.5245	0.59	OI						
3+55	0.0481	0.06	O					9+ 5	0.5687	0.70	O	I					
4+ 0	0.0524	0.06	O					9+10	0.5875	0.78	O	I					
4+ 5	0.0563	0.06	O					9+15	0.6800	0.79		OI					
4+10	0.0573	0.06	O					9+20	0.7630	0.85		OI					
4+15	0.0575	0.06	O					9+25	0.7895	0.90		O I					
4+20	0.0575	0.06	OI					9+30	0.8412	0.90		OI					
4+25	0.0577	0.07	OI					9+35	0.8858	0.96		OI					
4+30	0.0620	0.07	IO					9+40	0.9026	1.01		O I					
4+35	0.0659	0.07	IO					9+45	0.9522	1.01		OI					
4+40	0.0669	0.07	IO					9+50	0.9963	1.07		OI					
4+45	0.0671	0.07	IO					9+55	1.0130	1.12		O I					
4+50	0.0671	0.07	IO					10+ 0	1.0626	1.12		OI					
4+55	0.0673	0.08	IO					10+ 5	1.1066	0.75		I	O				
5+ 0	0.0716	0.08	IO					10+10	1.1074	0.48	I		O				
5+ 5	0.0755	0.07	IO					10+15	0.8148	0.47	I	O					
5+10	0.0761	0.06	IO					10+20	0.5482	0.47	IO						
5+15	0.0677	0.06	IO					10+25	0.4847	0.48	O						
5+20	0.0600	0.06	OI					10+30	0.4753	0.48	O						
5+25	0.0582	0.07	OI					10+35	0.4771	0.76	O	I					
5+30	0.0621	0.07	IO					10+40	0.4910	0.96	O		I				
5+35	0.0659	0.07	IO					10+45	0.7095	0.98		O	I				
5+40	0.0671	0.08	IO					10+50	0.9082	0.98			OI				
5+45	0.0715	0.08	IO					10+55	0.9616	0.98			OI				
5+50	0.0755	0.08	IO					11+ 0	0.9763	0.99			OI				
5+55	0.0764	0.08	IO					11+ 5	0.9830	0.94			O				
6+ 0	0.0767	0.08	IO					11+10	0.9861	0.90			I O				
6+ 5	0.0767	0.08	IO					11+15	0.9479	0.91			IO				
6+10	0.0769	0.09	IO					11+20	0.9137	0.91			O				
6+15	0.0812	0.09	IO					11+25	0.9085	0.92			O				
6+20	0.0851	0.09	IO					11+30	0.9110	0.92			O				
6+25	0.0860	0.09	IO					11+35	0.9151	0.82			IO				
6+30	0.0862	0.09	IO					11+40	0.9155	0.74			I O				
6+35	0.0863	0.09	IO					11+45	0.8344	0.74			IO				
6+40	0.0865	0.10	IO					11+50	0.7612	0.80			OI				
6+45	0.0908	0.10	IO					11+55	0.7481	0.84			OI				
6+50	0.0947	0.10	IO					12+ 0	0.7913	0.85			OI				
6+55	0.0956	0.10	IO					12+ 5	0.8337	1.23			O		I		
7+ 0	0.0958	0.10	IO					12+10	0.8615	1.52			O		I		
7+ 5	0.0959	0.10	IO					12+15	1.1673	1.54				O	I		
7+10	0.0959	0.10	IO					12+20	1.4438	1.59					O I		
7+15	0.0959	0.10	IO					12+25	1.5185	1.64					O I		
7+20	0.0959	0.10	IO					12+30	1.5798	1.64					OI		
7+25	0.0961	0.11	IO					12+35	1.6259	1.76					O I		
7+30	0.1004	0.11	IO					12+40	1.6445	1.84					O I		
7+35	0.1042	0.11	IO					12+45	1.7365	1.85					O I		
7+40	0.1054	0.11	IO					12+50	1.8188	1.91					OI		
7+45	0.1099	0.12	IO					12+55	1.8446	1.95					O I		

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 23+20       0.0192      0.02  O         |         |         |         |
 23+25       0.0192      0.02  O         |         |         |         |
 23+30       0.0192      0.02  O         |         |         |         |
 23+35       0.0192      0.02  O         |         |         |         |
 23+40       0.0192      0.02  O         |         |         |         |
 23+45       0.0192      0.02  O         |         |         |         |
 23+50       0.0192      0.02  O         |         |         |         |
 23+55       0.0192      0.02  O         |         |         |         |
 24+ 0       0.0192      0.02  O         |         |         |         |
 24+ 5       0.0192      0.01  O         |         |         |         |
 24+10       0.0188      0.00  O         |         |         |         |
 24+15       0.0102      0.00  O         |         |         |         |
 24+20       0.0025      0.00  O         |         |         |         |
--------------------------------------------------------------------
      ****************************HYDROGRAPH DATA****************************
                    Number of intervals =   292
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        2.456 (CFS)
                    Total volume =       0.865 (Ac.Ft)
             Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------


      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station       10.300 to Point/Station       10.200
      **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
      _____________________________________________________________________
      ********************* HYDROGRAPH INFORMATION **********************

                    From study/file name: MESAP10G10024100.rte
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                     P R I N T  O F  S T O R M
                  R u n o f f     H y d r o g r a p h
      ---------------------------------------------------------------------
               Hydrograph in   5   Minute intervals (CFS)

      ---------------------------------------------------------------------
Time(h+m) Add q(CFS)  Tot. Q   0        1.3       2.7       4.0       5.4
---------------------------------------------------------------------------
  0+ 5       0.0639      0.06  Q         |         |         |         |
  0+10       0.0876      0.09  Q         |         |         |         |
  0+15       0.0876      0.10  Q         |         |         |         |
  0+20       0.1196      0.14  qQ        |         |         |         |
  0+25       0.1314      0.15  qQ        |         |         |         |
  0+30       0.1314      0.15  qQ        |         |         |         |
  0+35       0.1314      0.16  qQ        |         |         |         |
  0+40       0.1314      0.16  qQ        |         |         |         |
  0+45       0.1314      0.16  qQ        |         |         |         |
  0+50       0.1634      0.19  |Q        |         |         |         |
  0+55       0.1752      0.20  |Q        |         |         |         |
  1+ 0       0.1752      0.21  |Q        |         |         |         |
  1+ 5       0.1433      0.18  |Q        |         |         |         |
  1+10       0.1314      0.17  qQ        |         |         |         |
  1+15       0.1314      0.17  qQ        |         |         |         |
  1+20       0.1314      0.16  qQ        |         |         |         |
  1+25       0.1314      0.16  qQ        |         |         |         |
  1+30       0.1314      0.16  qQ        |         |         |         |
  1+35       0.1314      0.16  qQ        |         |         |         |
  1+40       0.1314      0.16  qQ        |         |         |         |
  1+45       0.1314      0.16  qQ        |         |         |         |
  1+50       0.1634      0.19  |Q        |         |         |         |
  1+55       0.1752      0.20  |Q        |         |         |         |
  2+ 0       0.1752      0.21  |Q        |         |         |         |
  2+ 5       0.1752      0.21  |Q        |         |         |         |
  2+10       0.1752      0.21  |Q        |         |         |         |
  2+15       0.1752      0.21  |Q        |         |         |         |
  2+20       0.1752      0.21  |Q        |         |         |         |
  2+25       0.1752      0.21  |Q        |         |         |         |
  2+30       0.1752      0.21  |Q        |         |         |         |
  2+35       0.2072      0.25  |Q        |         |         |         |
  2+40       0.2190      0.26  |Q        |         |         |         |
  2+45       0.2190      0.26  |Q        |         |         |         |
  2+50       0.2190      0.27  |Q        |         |         |         |
  2+55       0.2190      0.27  |Q        |         |         |         |
  3+ 0       0.2190      0.27  |Q        |         |         |         |
  3+ 5       0.2190      0.27  |Q        |         |         |         |
  3+10       0.2190      0.27  |Q        |         |         |         |
  3+15       0.2190      0.27  |Q        |         |         |         |
  3+20       0.2190      0.27  |Q        |         |         |         |
  3+25       0.2190      0.27  |Q        |         |         |         |
  3+30       0.2190      0.27  |Q        |         |         |         |
  3+35       0.2190      0.27  |Q        |         |         |         |
  3+40       0.2190      0.27  |Q        |         |         |         |
  3+45       0.2190      0.27  |Q        |         |         |         |
  3+50       0.2510      0.30  |qQ       |         |         |         |
  3+55       0.2628      0.31  |qQ       |         |         |         |
  4+ 0       0.2628      0.32  |qQ       |         |         |         |
  4+ 5       0.2628      0.32  |qQ       |         |         |         |
  4+10       0.2628      0.32  |qQ       |         |         |         |
  4+15       0.2628      0.32  |qQ       |         |         |         |
  4+20       0.2948      0.35  | Q       |         |         |         |
  4+25       0.3066      0.36  | Q       |         |         |         |
  4+30       0.3066      0.37  | Q       |         |         |         |
  4+35       0.3066      0.37  | Q       |         |         |         |
  4+40       0.3066      0.37  | Q       |         |         |         |
  4+45       0.3066      0.37  | Q       |         |         |         |
  4+50       0.3386      0.41  | qQ      |         |         |         |
  4+55       0.3504      0.42  | qQ      |         |         |         |
  5+ 0       0.3504      0.42  | qQ      |         |         |         |
  5+ 5       0.2865      0.36  | Q       |         |         |         |
  5+10       0.2628      0.34  |qQ       |         |         |         |
  5+15       0.2628      0.33  |qQ       |         |         |         |
  5+20       0.2948      0.35  | Q       |         |         |         |
  5+25       0.3066      0.36  | Q       |         |         |         |
  5+30       0.3066      0.37  | Q       |         |         |         |
  5+35       0.3386      0.40  | qQ      |         |         |         |
  5+40       0.3504      0.42  | qQ      |         |         |         |
  5+45       0.3504      0.42  | qQ      |         |         |         |
  5+50       0.3504      0.43  | qQ      |         |         |         |
  5+55       0.3504      0.43  | qQ      |         |         |         |
  6+ 0       0.3504      0.43  | qQ      |         |         |         |
  6+ 5       0.3824      0.46  | qQ      |         |         |         |
  6+10       0.3942      0.47  | qQ      |         |         |         |
  6+15       0.3942      0.48  | qQ      |         |         |         |
  6+20       0.3942      0.48  | qQ      |         |         |         |
  6+25       0.3942      0.48  | qQ      |         |         |         |
  6+30       0.3942      0.48  | qQ      |         |         |         |
  6+35       0.4262      0.51  |  Q      |         |         |         |
  6+40       0.4380      0.52  |  Q      |         |         |         |
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17+ 5	0.1953	0.22	|Q	|	|	|	|
17+10	0.2190	0.25	|Q	|	|	|	|
17+15	0.2190	0.26	|Q	|	|	|	|
17+20	0.2190	0.26	|Q	|	|	|	|
17+25	0.2190	0.27	|Q	|	|	|	|
17+30	0.2190	0.27	|Q	|	|	|	|
17+35	0.2190	0.27	|Q	|	|	|	|
17+40	0.2190	0.27	|Q	|	|	|	|
17+45	0.2190	0.27	|Q	|	|	|	|
17+50	0.1871	0.24	|Q	|	|	|	|
17+55	0.1752	0.22	|Q	|	|	|	|
18+ 0	0.1752	0.22	|Q	|	|	|	|
18+ 5	0.1752	0.21	|Q	|	|	|	|
18+10	0.1752	0.21	|Q	|	|	|	|
18+15	0.1752	0.21	|Q	|	|	|	|
18+20	0.1752	0.21	|Q	|	|	|	|
18+25	0.1752	0.21	|Q	|	|	|	|
18+30	0.1752	0.21	|Q	|	|	|	|
18+35	0.1433	0.18	|Q	|	|	|	|
18+40	0.1314	0.17	qQ	|	|	|	|
18+45	0.1314	0.17	qQ	|	|	|	|
18+50	0.0995	0.13	Q	|	|	|	|
18+55	0.0876	0.12	Q	|	|	|	|
19+ 0	0.0876	0.11	Q	|	|	|	|
19+ 5	0.1196	0.14	qQ	|	|	|	|
19+10	0.1314	0.15	qQ	|	|	|	|
19+15	0.1314	0.16	qQ	|	|	|	|
19+20	0.1634	0.19	|Q	|	|	|	|
19+25	0.1752	0.20	|Q	|	|	|	|
19+30	0.1752	0.21	|Q	|	|	|	|
19+35	0.1433	0.18	|Q	|	|	|	|
19+40	0.1314	0.17	qQ	|	|	|	|
19+45	0.1314	0.17	qQ	|	|	|	|
19+50	0.0995	0.13	Q	|	|	|	|
19+55	0.0876	0.12	Q	|	|	|	|
20+ 0	0.0876	0.11	Q	|	|	|	|
20+ 5	0.1196	0.14	qQ	|	|	|	|
20+10	0.1314	0.15	qQ	|	|	|	|
20+15	0.1314	0.16	qQ	|	|	|	|
20+20	0.1314	0.16	qQ	|	|	|	|
20+25	0.1314	0.16	qQ	|	|	|	|
20+30	0.1314	0.16	qQ	|	|	|	|
20+35	0.1314	0.16	qQ	|	|	|	|
20+40	0.1314	0.16	qQ	|	|	|	|
20+45	0.1314	0.16	qQ	|	|	|	|
20+50	0.0995	0.13	Q	|	|	|	|
20+55	0.0876	0.12	Q	|	|	|	|
21+ 0	0.0876	0.11	Q	|	|	|	|
21+ 5	0.1196	0.14	qQ	|	|	|	|
21+10	0.1314	0.15	qQ	|	|	|	|
21+15	0.1314	0.16	qQ	|	|	|	|
21+20	0.0995	0.13	Q	|	|	|	|
21+25	0.0876	0.12	Q	|	|	|	|
21+30	0.0876	0.11	Q	|	|	|	|
21+35	0.1196	0.14	qQ	|	|	|	|
21+40	0.1314	0.15	qQ	|	|	|	|
21+45	0.1314	0.16	qQ	|	|	|	|
21+50	0.0995	0.13	Q	|	|	|	|
21+55	0.0876	0.12	Q	|	|	|	|
22+ 0	0.0876	0.11	Q	|	|	|	|
22+ 5	0.1196	0.14	qQ	|	|	|	|
22+10	0.1314	0.15	qQ	|	|	|	|
22+15	0.1314	0.16	qQ	|	|	|	|
22+20	0.0995	0.13	Q	|	|	|	|
22+25	0.0876	0.12	Q	|	|	|	|
22+30	0.0876	0.11	Q	|	|	|	|
22+35	0.0876	0.11	Q	|	|	|	|
22+40	0.0876	0.11	Q	|	|	|	|
22+45	0.0876	0.11	Q	|	|	|	|
22+50	0.0876	0.11	Q	|	|	|	|
22+55	0.0876	0.11	Q	|	|	|	|
23+ 0	0.0876	0.11	Q	|	|	|	|
23+ 5	0.0876	0.11	Q	|	|	|	|
23+10	0.0876	0.11	Q	|	|	|	|
23+15	0.0876	0.11	Q	|	|	|	|
23+20	0.0876	0.11	Q	|	|	|	|
23+25	0.0876	0.11	Q	|	|	|	|
23+30	0.0876	0.11	Q	|	|	|	|
23+35	0.0876	0.11	Q	|	|	|	|
23+40	0.0876	0.11	Q	|	|	|	|
23+45	0.0876	0.11	Q	|	|	|	|
23+50	0.0876	0.11	Q	|	|	|	|
23+55	0.0876	0.11	Q	|	|	|	|
24+ 0	0.0876	0.11	Q	|	|	|	|
24+ 5	0.0237	0.04	Q	|	|	|	|
24+10	0.0000	0.02	Q	|	|	|	|
24+15	0.0000	0.01	Q	|	|	|	|
24+20	0.0000	0.00	Q	|	|	|	|

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```
*****************************HYDROGRAPH DATA*****************************
                Number of intervals =   292
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =        5.388 (CFS)
                Total volume =       2.130 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
*************************************************************************

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.200 to Point/Station       10.200
**** RETARDING BASIN ROUTING ****
________________________________________________________________________

User entry of depth-outflow-storage data
------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 292
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
------------------------------------------------------------------------
------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
------------------------------------------------------------------------
------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
------------------------------------------------------------------------
```

0.000	0.000	0.000	0.000	0.000
1.000	0.474	0.050	0.474	0.474
2.000	1.063	0.210	1.062	1.064
3.000	1.776	0.340	1.775	1.777
4.000	2.621	0.430	2.620	2.622
5.000	3.607	0.510	3.605	3.609
6.000	4.742	0.570	4.740	4.744
7.000	6.035	0.630	6.033	6.037
8.000	7.496	0.680	7.494	7.498
9.000	9.132	20.140	9.063	9.201
10.000	10.951	55.699	10.759	11.143

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.3	2.69	4.04	5.39	Depth (Ft.)
0.083	0.06	0.00	0.000	O	|	|	|	|	0.00
0.167	0.09	0.00	0.001	O	|	|	|	|	0.00
0.250	0.10	0.00	0.001	O	|	|	|	|	0.00
0.333	0.14	0.00	0.002	O	|	|	|	|	0.00
0.417	0.15	0.00	0.003	O	|	|	|	|	0.01
0.500	0.15	0.00	0.004	O	|	|	|	|	0.01
0.583	0.16	0.00	0.005	O	|	|	|	|	0.01
0.667	0.16	0.00	0.006	O	|	|	|	|	0.01
0.750	0.16	0.00	0.007	O	|	|	|	|	0.02
0.833	0.19	0.00	0.009	OI	|	|	|	|	0.02
0.917	0.20	0.00	0.010	OI	|	|	|	|	0.02
1.000	0.21	0.00	0.011	OI	|	|	|	|	0.02
1.083	0.18	0.00	0.013	OI	|	|	|	|	0.03
1.167	0.17	0.00	0.014	OI	|	|	|	|	0.03
1.250	0.17	0.00	0.015	O	|	|	|	|	0.03
1.333	0.16	0.00	0.016	O	|	|	|	|	0.03
1.417	0.16	0.00	0.017	O	|	|	|	|	0.04
1.500	0.16	0.00	0.018	O	|	|	|	|	0.04
1.583	0.16	0.00	0.020	O	|	|	|	|	0.04
1.667	0.16	0.00	0.021	O	|	|	|	|	0.04
1.750	0.16	0.00	0.022	O	|	|	|	|	0.05
1.833	0.19	0.00	0.023	OI	|	|	|	|	0.05
1.917	0.20	0.00	0.024	OI	|	|	|	|	0.05
2.000	0.21	0.00	0.026	OI	|	|	|	|	0.05
2.083	0.21	0.00	0.027	OI	|	|	|	|	0.06
2.167	0.21	0.00	0.029	OI	|	|	|	|	0.06
2.250	0.21	0.00	0.030	OI	|	|	|	|	0.06
2.333	0.21	0.00	0.031	OI	|	|	|	|	0.07
2.417	0.21	0.00	0.033	OI	|	|	|	|	0.07
2.500	0.21	0.00	0.034	OI	|	|	|	|	0.07
2.583	0.25	0.00	0.036	OI	|	|	|	|	0.08
2.667	0.26	0.00	0.038	OI	|	|	|	|	0.08
2.750	0.26	0.00	0.039	OI	|	|	|	|	0.08
2.833	0.27	0.00	0.041	OI	|	|	|	|	0.09
2.917	0.27	0.00	0.043	OI	|	|	|	|	0.09
3.000	0.27	0.00	0.045	OI	|	|	|	|	0.09
3.083	0.27	0.00	0.047	OI	|	|	|	|	0.10
3.167	0.27	0.01	0.048	OI	|	|	|	|	0.10
3.250	0.27	0.01	0.050	OI	|	|	|	|	0.11
3.333	0.27	0.01	0.052	OI	|	|	|	|	0.11
3.417	0.27	0.01	0.054	OI	|	|	|	|	0.11
3.500	0.27	0.01	0.056	OI	|	|	|	|	0.12
3.583	0.27	0.01	0.057	OI	|	|	|	|	0.12
3.667	0.27	0.01	0.059	OI	|	|	|	|	0.12
3.750	0.27	0.01	0.061	OI	|	|	|	|	0.13
3.833	0.30	0.01	0.063	OI	|	|	|	|	0.13
3.917	0.31	0.01	0.065	OI	|	|	|	|	0.14
4.000	0.32	0.01	0.067	OI	|	|	|	|	0.14
4.083	0.32	0.01	0.069	OI	|	|	|	|	0.15
4.167	0.32	0.01	0.071	OI	|	|	|	|	0.15
4.250	0.32	0.01	0.073	OI	|	|	|	|	0.15
4.333	0.35	0.01	0.076	O I	|	|	|	|	0.16
4.417	0.36	0.01	0.078	O I	|	|	|	|	0.16
4.500	0.37	0.01	0.081	O I	|	|	|	|	0.17
4.583	0.37	0.01	0.083	O I	|	|	|	|	0.18
4.667	0.37	0.01	0.086	O I	|	|	|	|	0.18
4.750	0.37	0.01	0.088	O I	|	|	|	|	0.19
4.833	0.41	0.01	0.091	O I	|	|	|	|	0.19
4.917	0.42	0.01	0.093	O I	|	|	|	|	0.20
5.000	0.42	0.01	0.096	O I	|	|	|	|	0.20
5.083	0.36	0.01	0.099	O I	|	|	|	|	0.21
5.167	0.34	0.01	0.101	O I	|	|	|	|	0.21
5.250	0.33	0.01	0.103	OI	|	|	|	|	0.22
5.333	0.35	0.01	0.106	O I	|	|	|	|	0.22
5.417	0.36	0.01	0.108	O I	|	|	|	|	0.23
5.500	0.37	0.01	0.111	O I	|	|	|	|	0.23
5.583	0.40	0.01	0.113	O I	|	|	|	|	0.24
5.667	0.42	0.01	0.116	O I	|	|	|	|	0.24
5.750	0.42	0.01	0.119	O I	|	|	|	|	0.25
5.833	0.43	0.01	0.122	O I	|	|	|	|	0.26
5.917	0.43	0.01	0.124	O I	|	|	|	|	0.26
6.000	0.43	0.01	0.127	O I	|	|	|	|	0.27
6.083	0.46	0.01	0.130	O I	|	|	|	|	0.27
6.167	0.47	0.01	0.133	O I	|	|	|	|	0.28
6.250	0.48	0.01	0.137	O I	|	|	|	|	0.29
6.333	0.48	0.01	0.140	O I	|	|	|	|	0.29
6.417	0.48	0.02	0.143	O I	|	|	|	|	0.30
6.500	0.48	0.02	0.146	O I	|	|	|	|	0.31
6.583	0.51	0.02	0.149	O I	|	|	|	|	0.32
6.667	0.52	0.02	0.153	O I	|	|	|	|	0.32
6.750	0.53	0.02	0.156	O I	|	|	|	|	0.33
6.833	0.53	0.02	0.160	O I	|	|	|	|	0.34
6.917	0.53	0.02	0.163	O I	|	|	|	|	0.34
7.000	0.53	0.02	0.167	O I	|	|	|	|	0.35
7.083	0.53	0.02	0.171	O I	|	|	|	|	0.36
7.167	0.53	0.02	0.174	O I	|	|	|	|	0.37
7.250	0.53	0.02	0.178	O I	|	|	|	|	0.37
7.333	0.57	0.02	0.181	O I	|	|	|	|	0.38
7.417	0.58	0.02	0.185	O I	|	|	|	|	0.39
7.500	0.58	0.02	0.189	O I	|	|	|	|	0.40
7.583	0.62	0.02	0.193	O I	|	|	|	|	0.41
7.667	0.63	0.02	0.197	O I	|	|	|	|	0.42
7.750	0.64	0.02	0.201	O I	|	|	|	|	0.42
7.833	0.67	0.02	0.206	O I	|	|	|	|	0.43
7.917	0.68	0.02	0.210	O I	|	|	|	|	0.44
8.000	0.69	0.02	0.215	O I	|	|	|	|	0.45
8.083	0.77	0.02	0.220	O I	|	|	|	|	0.46
8.167	0.80	0.02	0.225	O I	|	|	|	|	0.47
8.250	0.89	0.02	0.231	O I	|	|	|	|	0.49
8.333	0.98	0.02	0.237	O I	|	|	|	|	0.50
8.417	1.00	0.03	0.244	O I	|	|	|	|	0.51
8.500	1.01	0.03	0.250	O I	|	|	|	|	0.53
8.583	1.05	0.03	0.257	O I	|	|	|	|	0.54
8.667	1.07	0.03	0.264	O I	|	|	|	|	0.56
8.750	1.11	0.03	0.272	O I	|	|	|	|	0.57

8.833	1.20	0.03	0.279	O	I|				0.59	14.000	3.16	0.27	1.365	|O			I			2.42
8.917	1.23	0.03	0.288	O	I|				0.61	14.083	3.49	0.27	1.386	|O			I			2.45
9.000	1.28	0.03	0.296	O	I|				0.62	14.167	3.63	0.27	1.409	|O			I			2.49
9.083	1.50	0.03	0.305	O	I				0.64	14.250	3.80	0.28	1.433	|O			I			2.52
9.167	1.58	0.03	0.316	O	|I				0.67	14.333	3.89	0.28	1.457	|O			I|			2.55
9.250	1.68	0.03	0.327	O	|I				0.69	14.417	3.90	0.29	1.482	|O			I|			2.59
9.333	1.85	0.04	0.339	O	| I				0.71	14.500	3.87	0.29	1.507	|O			I|			2.62
9.417	1.91	0.04	0.351	O	| I				0.74	14.583	3.85	0.30	1.531	|O			I			2.66
9.500	1.97	0.04	0.364	O	| I				0.77	14.667	3.84	0.30	1.556	|O			I			2.69
9.583	2.10	0.04	0.378	O	| I				0.80	14.750	3.85	0.30	1.580	|O			I			2.73
9.667	2.15	0.04	0.393	O	| I				0.83	14.833	3.78	0.31	1.604	|O			I			2.76
9.750	2.21	0.04	0.407	O	| I				0.86	14.917	3.75	0.31	1.628	|O			I			2.79
9.833	2.34	0.04	0.423	O	| I				0.89	15.000	3.72	0.32	1.652	|O			I			2.83
9.917	2.39	0.05	0.439	O	| I				0.93	15.083	3.60	0.32	1.675	|O			I			2.86
10.000	2.45	0.05	0.455	O	| I				0.96	15.167	3.57	0.33	1.697	|O			I			2.89
10.083	1.96	0.05	0.470	O	| I				0.99	15.250	3.53	0.33	1.719	|O			I			2.92
10.167	1.76	0.05	0.482	O	| I				1.01	15.333	3.42	0.33	1.741	|O			I			2.95
10.250	1.47	0.06	0.493	O	I				1.03	15.417	3.38	0.34	1.762	| O			I			2.98
10.333	1.21	0.06	0.502	O	I|				1.05	15.500	3.35	0.34	1.783	| O			I			3.01
10.417	1.14	0.06	0.510	O	I |				1.06	15.583	2.99	0.34	1.803	| O			|I			3.03
10.500	1.13	0.06	0.517	O	I |				1.07	15.667	2.86	0.34	1.820	| O			I			3.05
10.583	1.53	0.06	0.526	O	|I				1.09	15.750	2.69	0.35	1.837	| O			I|			3.07
10.667	1.69	0.07	0.536	O	| I				1.11	15.833	2.54	0.35	1.853	| O			I|			3.09
10.750	1.92	0.07	0.548	O	| I				1.13	15.917	2.51	0.35	1.868	| O			I |			3.11
10.833	2.12	0.07	0.562	O	| I				1.15	16.000	2.51	0.35	1.882	| O			I |			3.13
10.917	2.18	0.08	0.576	O	| I				1.17	16.083	1.63	0.35	1.894	| O		|I				3.14
11.000	2.20	0.08	0.591	O	| I				1.20	16.167	1.29	0.35	1.902	| O	I|					3.15
11.083	2.13	0.09	0.605	O	| I				1.22	16.250	0.80	0.35	1.907	| O I						3.15
11.167	2.11	0.09	0.619	O	| I				1.25	16.333	0.35	0.35	1.908	| O						3.16
11.250	2.07	0.09	0.633	O	| I				1.27	16.417	0.24	0.35	1.908	|IO						3.16
11.333	2.04	0.10	0.646	O	| I				1.29	16.500	0.22	0.35	1.907	|IO						3.16
11.417	2.04	0.10	0.660	O	| I				1.32	16.583	0.18	0.35	1.906	|IO						3.15
11.500	2.05	0.10	0.673	O	| I				1.34	16.667	0.17	0.35	1.905	|IO						3.15
11.583	1.90	0.11	0.686	O	| I				1.36	16.750	0.17	0.35	1.903	I O						3.15
11.667	1.84	0.11	0.698	O	| I				1.38	16.833	0.16	0.35	1.902	I O						3.15
11.750	1.77	0.11	0.710	O	| I				1.40	16.917	0.16	0.35	1.901	I O						3.15
11.833	1.78	0.12	0.721	O	| I				1.42	17.000	0.16	0.35	1.900	I O						3.15
11.917	1.80	0.12	0.733	O	| I				1.44	17.083	0.22	0.35	1.898	|IO						3.14
12.000	1.85	0.12	0.744	O	| I				1.46	17.167	0.25	0.35	1.898	|IO						3.14
12.083	2.47	0.13	0.758	O	| I				1.48	17.250	0.26	0.35	1.897	|IO						3.14
12.167	2.71	0.13	0.775	O	| I				1.51	17.333	0.26	0.35	1.896	|IO						3.14
12.250	3.03	0.14	0.794	O	|I				1.54	17.417	0.27	0.35	1.896	|IO						3.14
12.333	3.39	0.14	0.815	O	| I				1.58	17.500	0.27	0.35	1.895	|IO						3.14
12.417	3.50	0.15	0.838	O	| I				1.62	17.583	0.27	0.35	1.895	|IO						3.14
12.500	3.56	0.16	0.861	O	| I				1.66	17.667	0.27	0.35	1.894	|IO						3.14
12.583	3.78	0.16	0.885	O	| I				1.70	17.750	0.27	0.35	1.893	|IO						3.14
12.667	3.86	0.17	0.911	|O	| I				1.74	17.833	0.24	0.35	1.893	|IO						3.14
12.750	3.96	0.18	0.936	|O	| I|				1.79	17.917	0.22	0.35	1.892	|IO						3.14
12.833	4.13	0.18	0.963	|O	| I				1.83	18.000	0.22	0.35	1.891	|IO						3.14
12.917	4.19	0.19	0.990	|O	| I				1.88	18.083	0.21	0.35	1.890	|IO						3.13
13.000	4.25	0.20	1.018	|O	| I				1.92	18.167	0.21	0.35	1.889	|IO						3.13
13.083	4.70	0.21	1.047	|O	| I				1.97	18.250	0.21	0.35	1.888	|IO						3.13
13.167	4.88	0.21	1.079	|O	| I				2.02	18.333	0.21	0.35	1.887	|IO						3.13
13.250	5.11	0.22	1.112	|O	| I				2.07	18.417	0.21	0.35	1.886	|IO						3.13
13.333	5.31	0.23	1.146	|O	| I|				2.12	18.500	0.21	0.35	1.885	|IO						3.13
13.417	5.37	0.23	1.182	|O	| I|				2.17	18.583	0.18	0.35	1.884	|IO						3.13
13.500	5.39	0.24	1.217	|O	| I				2.22	18.667	0.17	0.35	1.883	|IO						3.13
13.583	4.50	0.24	1.249	|O	| I				2.26	18.750	0.17	0.35	1.882	I O						3.13
13.667	4.15	0.25	1.277	|O	| I				2.30	18.833	0.13	0.35	1.880	I O						3.12
13.750	3.69	0.25	1.303	|O	| I				2.34	18.917	0.12	0.35	1.879	I O						3.12
13.833	3.27	0.26	1.325	|O	| I				2.37	19.000	0.11	0.35	1.877	I O						3.12
13.917	3.17	0.26	1.345	|O	| I				2.40	19.083	0.14	0.35	1.875	I O						3.12

19.167	0.15	0.35	1.874	I O	|	|	|	|	3.12	24.333	0.00	0.34	1.781	I O	|	|	|	|	3.01
19.250	0.16	0.35	1.873	I O	|	|	|	|	3.11	24.417	0.00	0.34	1.778	I O	|	|	|	|	3.00
19.333	0.19	0.35	1.872	|IO	|	|	|	|	3.11	24.500	0.00	0.34	1.776	I O	|	|	|	|	3.00
19.417	0.20	0.35	1.870	|IO	|	|	|	|	3.11	24.583	0.00	0.34	1.774	I O	|	|	|	|	3.00
19.500	0.21	0.35	1.869	|IO	|	|	|	|	3.11	24.667	0.00	0.34	1.771	I O	|	|	|	|	2.99
19.583	0.18	0.35	1.868	|IO	|	|	|	|	3.11	24.750	0.00	0.34	1.769	I O	|	|	|	|	2.99
19.667	0.17	0.35	1.867	|IO	|	|	|	|	3.11	24.833	0.00	0.34	1.767	I O	|	|	|	|	2.99
19.750	0.17	0.35	1.866	I O	|	|	|	|	3.11	24.917	0.00	0.34	1.764	I O	|	|	|	|	2.98
19.833	0.13	0.35	1.865	I O	|	|	|	|	3.10	25.000	0.00	0.34	1.762	I O	|	|	|	|	2.98
19.917	0.12	0.35	1.863	I O	|	|	|	|	3.10	25.083	0.00	0.34	1.760	I O	|	|	|	|	2.98
20.000	0.11	0.35	1.861	I O	|	|	|	|	3.10	25.167	0.00	0.34	1.757	IO	|	|	|	|	2.97
20.083	0.14	0.35	1.860	I O	|	|	|	|	3.10	25.250	0.00	0.34	1.755	IO	|	|	|	|	2.97
20.167	0.15	0.35	1.858	I O	|	|	|	|	3.10	25.333	0.00	0.34	1.753	IO	|	|	|	|	2.97
20.250	0.16	0.35	1.857	I O	|	|	|	|	3.10	25.417	0.00	0.34	1.750	IO	|	|	|	|	2.96
20.333	0.16	0.35	1.856	I O	|	|	|	|	3.09	25.500	0.00	0.33	1.748	IO	|	|	|	|	2.96
20.417	0.16	0.35	1.854	I O	|	|	|	|	3.09	25.583	0.00	0.33	1.746	IO	|	|	|	|	2.96
20.500	0.16	0.35	1.853	I O	|	|	|	|	3.09	25.667	0.00	0.33	1.743	IO	|	|	|	|	2.95
20.583	0.16	0.35	1.852	I O	|	|	|	|	3.09	25.750	0.00	0.33	1.741	IO	|	|	|	|	2.95
20.667	0.16	0.35	1.851	I O	|	|	|	|	3.09	25.833	0.00	0.33	1.739	IO	|	|	|	|	2.95
20.750	0.16	0.35	1.849	I O	|	|	|	|	3.09	25.917	0.00	0.33	1.737	IO	|	|	|	|	2.94
20.833	0.13	0.35	1.848	I O	|	|	|	|	3.09	26.000	0.00	0.33	1.734	IO	|	|	|	|	2.94
20.917	0.12	0.35	1.846	I O	|	|	|	|	3.08	26.083	0.00	0.33	1.732	IO	|	|	|	|	2.94
21.000	0.11	0.35	1.845	I O	|	|	|	|	3.08	26.167	0.00	0.33	1.730	IO	|	|	|	|	2.94
21.083	0.14	0.35	1.843	I O	|	|	|	|	3.08	26.250	0.00	0.33	1.727	IO	|	|	|	|	2.93
21.167	0.15	0.35	1.842	I O	|	|	|	|	3.08	26.333	0.00	0.33	1.725	IO	|	|	|	|	2.93
21.250	0.16	0.35	1.840	I O	|	|	|	|	3.08	26.417	0.00	0.33	1.723	IO	|	|	|	|	2.93
21.333	0.13	0.35	1.839	I O	|	|	|	|	3.07	26.500	0.00	0.33	1.721	IO	|	|	|	|	2.92
21.417	0.12	0.35	1.837	I O	|	|	|	|	3.07	26.583	0.00	0.33	1.718	IO	|	|	|	|	2.92
21.500	0.11	0.35	1.836	I O	|	|	|	|	3.07	26.667	0.00	0.33	1.716	IO	|	|	|	|	2.92
21.583	0.14	0.35	1.834	I O	|	|	|	|	3.07	26.750	0.00	0.33	1.714	IO	|	|	|	|	2.91
21.667	0.15	0.35	1.833	I O	|	|	|	|	3.07	26.833	0.00	0.33	1.712	IO	|	|	|	|	2.91
21.750	0.16	0.35	1.832	I O	|	|	|	|	3.07	26.917	0.00	0.33	1.709	IO	|	|	|	|	2.91
21.833	0.13	0.35	1.830	I O	|	|	|	|	3.06	27.000	0.00	0.33	1.707	IO	|	|	|	|	2.90
21.917	0.12	0.35	1.829	I O	|	|	|	|	3.06	27.083	0.00	0.33	1.705	IO	|	|	|	|	2.90
22.000	0.11	0.35	1.827	I O	|	|	|	|	3.06	27.167	0.00	0.33	1.702	IO	|	|	|	|	2.90
22.083	0.14	0.35	1.826	I O	|	|	|	|	3.06	27.250	0.00	0.33	1.700	IO	|	|	|	|	2.89
22.167	0.15	0.35	1.824	I O	|	|	|	|	3.06	27.333	0.00	0.33	1.698	IO	|	|	|	|	2.89
22.250	0.16	0.34	1.823	I O	|	|	|	|	3.06	27.417	0.00	0.33	1.696	IO	|	|	|	|	2.89
22.333	0.13	0.34	1.822	I O	|	|	|	|	3.05	27.500	0.00	0.32	1.694	IO	|	|	|	|	2.88
22.417	0.12	0.34	1.820	I O	|	|	|	|	3.05	27.583	0.00	0.32	1.691	IO	|	|	|	|	2.88
22.500	0.11	0.34	1.818	I O	|	|	|	|	3.05	27.667	0.00	0.32	1.689	IO	|	|	|	|	2.88
22.583	0.11	0.34	1.817	I O	|	|	|	|	3.05	27.750	0.00	0.32	1.687	IO	|	|	|	|	2.87
22.667	0.11	0.34	1.815	I O	|	|	|	|	3.05	27.833	0.00	0.32	1.685	IO	|	|	|	|	2.87
22.750	0.11	0.34	1.813	I O	|	|	|	|	3.04	27.917	0.00	0.32	1.682	IO	|	|	|	|	2.87
22.833	0.11	0.34	1.812	I O	|	|	|	|	3.04	28.000	0.00	0.32	1.680	IO	|	|	|	|	2.87
22.917	0.11	0.34	1.810	I O	|	|	|	|	3.04	28.083	0.00	0.32	1.678	IO	|	|	|	|	2.86
23.000	0.11	0.34	1.809	I O	|	|	|	|	3.04	28.167	0.00	0.32	1.676	IO	|	|	|	|	2.86
23.083	0.11	0.34	1.807	I O	|	|	|	|	3.04	28.250	0.00	0.32	1.673	IO	|	|	|	|	2.86
23.167	0.11	0.34	1.805	I O	|	|	|	|	3.03	28.333	0.00	0.32	1.671	IO	|	|	|	|	2.85
23.250	0.11	0.34	1.804	I O	|	|	|	|	3.03	28.417	0.00	0.32	1.669	IO	|	|	|	|	2.85
23.333	0.11	0.34	1.802	I O	|	|	|	|	3.03	28.500	0.00	0.32	1.667	IO	|	|	|	|	2.85
23.417	0.11	0.34	1.800	I O	|	|	|	|	3.03	28.583	0.00	0.32	1.665	IO	|	|	|	|	2.84
23.500	0.11	0.34	1.799	I O	|	|	|	|	3.03	28.667	0.00	0.32	1.662	IO	|	|	|	|	2.84
23.583	0.11	0.34	1.797	I O	|	|	|	|	3.03	28.750	0.00	0.32	1.660	IO	|	|	|	|	2.84
23.667	0.11	0.34	1.796	I O	|	|	|	|	3.02	28.833	0.00	0.32	1.658	IO	|	|	|	|	2.83
23.750	0.11	0.34	1.794	I O	|	|	|	|	3.02	28.917	0.00	0.32	1.656	IO	|	|	|	|	2.83
23.833	0.11	0.34	1.792	I O	|	|	|	|	3.02	29.000	0.00	0.32	1.654	IO	|	|	|	|	2.83
23.917	0.11	0.34	1.791	I O	|	|	|	|	3.02	29.083	0.00	0.32	1.651	IO	|	|	|	|	2.83
24.000	0.11	0.34	1.789	I O	|	|	|	|	3.02	29.167	0.00	0.32	1.649	IO	|	|	|	|	2.82
24.083	0.04	0.34	1.787	I O	|	|	|	|	3.01	29.250	0.00	0.32	1.647	IO	|	|	|	|	2.82
24.167	0.02	0.34	1.785	I O	|	|	|	|	3.01	29.333	0.00	0.32	1.645	IO	|	|	|	|	2.82
24.250	0.01	0.34	1.783	I O	|	|	|	|	3.01	29.417	0.00	0.32	1.643	IO	|	|	|	|	2.81

29.500	0.00	0.32	1.641	IO	|	|	|	|	2.81	34.667	0.00	0.29	1.511	IO	|	|	|	|	2.63
29.583	0.00	0.31	1.638	IO	|	|	|	|	2.81	34.750	0.00	0.29	1.509	IO	|	|	|	|	2.63
29.667	0.00	0.31	1.636	IO	|	|	|	|	2.80	34.833	0.00	0.29	1.507	IO	|	|	|	|	2.62
29.750	0.00	0.31	1.634	IO	|	|	|	|	2.80	34.917	0.00	0.29	1.505	IO	|	|	|	|	2.62
29.833	0.00	0.31	1.632	IO	|	|	|	|	2.80	35.000	0.00	0.29	1.503	IO	|	|	|	|	2.62
29.917	0.00	0.31	1.630	IO	|	|	|	|	2.79	35.083	0.00	0.29	1.501	IO	|	|	|	|	2.61
30.000	0.00	0.31	1.628	IO	|	|	|	|	2.79	35.167	0.00	0.29	1.499	IO	|	|	|	|	2.61
30.083	0.00	0.31	1.625	IO	|	|	|	|	2.79	35.250	0.00	0.29	1.497	IO	|	|	|	|	2.61
30.167	0.00	0.31	1.623	IO	|	|	|	|	2.79	35.333	0.00	0.29	1.495	IO	|	|	|	|	2.61
30.250	0.00	0.31	1.621	IO	|	|	|	|	2.78	35.417	0.00	0.29	1.493	IO	|	|	|	|	2.60
30.333	0.00	0.31	1.619	IO	|	|	|	|	2.78	35.500	0.00	0.29	1.491	IO	|	|	|	|	2.60
30.417	0.00	0.31	1.617	IO	|	|	|	|	2.78	35.583	0.00	0.29	1.489	IO	|	|	|	|	2.60
30.500	0.00	0.31	1.615	IO	|	|	|	|	2.77	35.667	0.00	0.29	1.487	IO	|	|	|	|	2.59
30.583	0.00	0.31	1.613	IO	|	|	|	|	2.77	35.750	0.00	0.29	1.485	IO	|	|	|	|	2.59
30.667	0.00	0.31	1.610	IO	|	|	|	|	2.77	35.833	0.00	0.29	1.483	IO	|	|	|	|	2.59
30.750	0.00	0.31	1.608	IO	|	|	|	|	2.76	35.917	0.00	0.29	1.481	IO	|	|	|	|	2.59
30.833	0.00	0.31	1.606	IO	|	|	|	|	2.76	36.000	0.00	0.29	1.479	IO	|	|	|	|	2.58
30.917	0.00	0.31	1.604	IO	|	|	|	|	2.76	36.083	0.00	0.29	1.477	IO	|	|	|	|	2.58
31.000	0.00	0.31	1.602	IO	|	|	|	|	2.76	36.167	0.00	0.29	1.475	IO	|	|	|	|	2.58
31.083	0.00	0.31	1.600	IO	|	|	|	|	2.75	36.250	0.00	0.28	1.473	IO	|	|	|	|	2.58
31.167	0.00	0.31	1.598	IO	|	|	|	|	2.75	36.333	0.00	0.28	1.471	IO	|	|	|	|	2.57
31.250	0.00	0.31	1.596	IO	|	|	|	|	2.75	36.417	0.00	0.28	1.469	IO	|	|	|	|	2.57
31.333	0.00	0.31	1.593	IO	|	|	|	|	2.74	36.500	0.00	0.28	1.467	IO	|	|	|	|	2.57
31.417	0.00	0.31	1.591	IO	|	|	|	|	2.74	36.583	0.00	0.28	1.466	IO	|	|	|	|	2.56
31.500	0.00	0.31	1.589	IO	|	|	|	|	2.74	36.667	0.00	0.28	1.464	IO	|	|	|	|	2.56
31.583	0.00	0.31	1.587	IO	|	|	|	|	2.74	36.750	0.00	0.28	1.462	IO	|	|	|	|	2.56
31.667	0.00	0.31	1.585	IO	|	|	|	|	2.73	36.833	0.00	0.28	1.460	IO	|	|	|	|	2.56
31.750	0.00	0.30	1.583	IO	|	|	|	|	2.73	36.917	0.00	0.28	1.458	IO	|	|	|	|	2.55
31.833	0.00	0.30	1.581	IO	|	|	|	|	2.73	37.000	0.00	0.28	1.456	IO	|	|	|	|	2.55
31.917	0.00	0.30	1.579	IO	|	|	|	|	2.72	37.083	0.00	0.28	1.454	IO	|	|	|	|	2.55
32.000	0.00	0.30	1.577	IO	|	|	|	|	2.72	37.167	0.00	0.28	1.452	IO	|	|	|	|	2.55
32.083	0.00	0.30	1.575	IO	|	|	|	|	2.72	37.250	0.00	0.28	1.450	IO	|	|	|	|	2.54
32.167	0.00	0.30	1.572	IO	|	|	|	|	2.71	37.333	0.00	0.28	1.448	IO	|	|	|	|	2.54
32.250	0.00	0.30	1.570	IO	|	|	|	|	2.71	37.417	0.00	0.28	1.446	IO	|	|	|	|	2.54
32.333	0.00	0.30	1.568	IO	|	|	|	|	2.71	37.500	0.00	0.28	1.444	IO	|	|	|	|	2.53
32.417	0.00	0.30	1.566	IO	|	|	|	|	2.71	37.583	0.00	0.28	1.442	IO	|	|	|	|	2.53
32.500	0.00	0.30	1.564	IO	|	|	|	|	2.70	37.667	0.00	0.28	1.440	IO	|	|	|	|	2.53
32.583	0.00	0.30	1.562	IO	|	|	|	|	2.70	37.750	0.00	0.28	1.438	IO	|	|	|	|	2.53
32.667	0.00	0.30	1.560	IO	|	|	|	|	2.70	37.833	0.00	0.28	1.437	IO	|	|	|	|	2.52
32.750	0.00	0.30	1.558	IO	|	|	|	|	2.69	37.917	0.00	0.28	1.435	IO	|	|	|	|	2.52
32.833	0.00	0.30	1.556	IO	|	|	|	|	2.69	38.000	0.00	0.28	1.433	IO	|	|	|	|	2.52
32.917	0.00	0.30	1.554	IO	|	|	|	|	2.69	38.083	0.00	0.28	1.431	IO	|	|	|	|	2.52
33.000	0.00	0.30	1.552	IO	|	|	|	|	2.69	38.167	0.00	0.28	1.429	IO	|	|	|	|	2.51
33.083	0.00	0.30	1.550	IO	|	|	|	|	2.68	38.250	0.00	0.28	1.427	IO	|	|	|	|	2.51
33.167	0.00	0.30	1.548	IO	|	|	|	|	2.68	38.333	0.00	0.28	1.425	IO	|	|	|	|	2.51
33.250	0.00	0.30	1.546	IO	|	|	|	|	2.68	38.417	0.00	0.28	1.423	IO	|	|	|	|	2.51
33.333	0.00	0.30	1.544	IO	|	|	|	|	2.67	38.500	0.00	0.28	1.421	IO	|	|	|	|	2.50
33.417	0.00	0.30	1.541	IO	|	|	|	|	2.67	38.583	0.00	0.27	1.419	IO	|	|	|	|	2.50
33.500	0.00	0.30	1.539	IO	|	|	|	|	2.67	38.667	0.00	0.27	1.417	IO	|	|	|	|	2.50
33.583	0.00	0.30	1.537	IO	|	|	|	|	2.67	38.750	0.00	0.27	1.416	IO	|	|	|	|	2.49
33.667	0.00	0.30	1.535	IO	|	|	|	|	2.66	38.833	0.00	0.27	1.414	IO	|	|	|	|	2.49
33.750	0.00	0.30	1.533	IO	|	|	|	|	2.66	38.917	0.00	0.27	1.412	IO	|	|	|	|	2.49
33.833	0.00	0.30	1.531	IO	|	|	|	|	2.66	39.000	0.00	0.27	1.410	IO	|	|	|	|	2.49
33.917	0.00	0.30	1.529	IO	|	|	|	|	2.65	39.083	0.00	0.27	1.408	IO	|	|	|	|	2.48
34.000	0.00	0.29	1.527	IO	|	|	|	|	2.65	39.167	0.00	0.27	1.406	IO	|	|	|	|	2.48
34.083	0.00	0.29	1.525	IO	|	|	|	|	2.65	39.250	0.00	0.27	1.404	IO	|	|	|	|	2.48
34.167	0.00	0.29	1.523	IO	|	|	|	|	2.65	39.333	0.00	0.27	1.402	IO	|	|	|	|	2.48
34.250	0.00	0.29	1.521	IO	|	|	|	|	2.64	39.417	0.00	0.27	1.401	IO	|	|	|	|	2.47
34.333	0.00	0.29	1.519	IO	|	|	|	|	2.64	39.500	0.00	0.27	1.399	IO	|	|	|	|	2.47
34.417	0.00	0.29	1.517	IO	|	|	|	|	2.64	39.583	0.00	0.27	1.397	IO	|	|	|	|	2.47
34.500	0.00	0.29	1.515	IO	|	|	|	|	2.63	39.667	0.00	0.27	1.395	IO	|	|	|	|	2.47
34.583	0.00	0.29	1.513	IO	|	|	|	|	2.63	39.750	0.00	0.27	1.393	IO	|	|	|	|	2.46

39.833	0.00	0.27	1.391	IO	|	|	|	|	2.46	45.000	0.00	0.25	1.280	IO	|	|	|	|	2.30
39.917	0.00	0.27	1.389	IO	|	|	|	|	2.46	45.083	0.00	0.25	1.279	IO	|	|	|	|	2.30
40.000	0.00	0.27	1.388	IO	|	|	|	|	2.46	45.167	0.00	0.25	1.277	IO	|	|	|	|	2.30
40.083	0.00	0.27	1.386	IO	|	|	|	|	2.45	45.250	0.00	0.25	1.275	IO	|	|	|	|	2.30
40.167	0.00	0.27	1.384	IO	|	|	|	|	2.45	45.333	0.00	0.25	1.274	IO	|	|	|	|	2.30
40.250	0.00	0.27	1.382	IO	|	|	|	|	2.45	45.417	0.00	0.25	1.272	IO	|	|	|	|	2.29
40.333	0.00	0.27	1.380	IO	|	|	|	|	2.44	45.500	0.00	0.25	1.270	IO	|	|	|	|	2.29
40.417	0.00	0.27	1.378	IO	|	|	|	|	2.44	45.583	0.00	0.25	1.268	IO	|	|	|	|	2.29
40.500	0.00	0.27	1.376	IO	|	|	|	|	2.44	45.667	0.00	0.25	1.267	IO	|	|	|	|	2.29
40.583	0.00	0.27	1.375	IO	|	|	|	|	2.44	45.750	0.00	0.25	1.265	IO	|	|	|	|	2.28
40.667	0.00	0.27	1.373	IO	|	|	|	|	2.43	45.833	0.00	0.25	1.263	IO	|	|	|	|	2.28
40.750	0.00	0.27	1.371	IO	|	|	|	|	2.43	45.917	0.00	0.25	1.262	IO	|	|	|	|	2.28
40.833	0.00	0.27	1.369	IO	|	|	|	|	2.43	46.000	0.00	0.25	1.260	IO	|	|	|	|	2.28
40.917	0.00	0.27	1.367	IO	|	|	|	|	2.43	46.083	0.00	0.25	1.258	IO	|	|	|	|	2.27
41.000	0.00	0.27	1.365	IO	|	|	|	|	2.42	46.167	0.00	0.25	1.257	IO	|	|	|	|	2.27
41.083	0.00	0.26	1.364	IO	|	|	|	|	2.42	46.250	0.00	0.24	1.255	IO	|	|	|	|	2.27
41.167	0.00	0.26	1.362	IO	|	|	|	|	2.42	46.333	0.00	0.24	1.253	IO	|	|	|	|	2.27
41.250	0.00	0.26	1.360	IO	|	|	|	|	2.42	46.417	0.00	0.24	1.251	IO	|	|	|	|	2.26
41.333	0.00	0.26	1.358	IO	|	|	|	|	2.41	46.500	0.00	0.24	1.250	IO	|	|	|	|	2.26
41.417	0.00	0.26	1.356	IO	|	|	|	|	2.41	46.583	0.00	0.24	1.248	IO	|	|	|	|	2.26
41.500	0.00	0.26	1.355	IO	|	|	|	|	2.41	46.667	0.00	0.24	1.246	IO	|	|	|	|	2.26
41.583	0.00	0.26	1.353	IO	|	|	|	|	2.41	46.750	0.00	0.24	1.245	IO	|	|	|	|	2.25
41.667	0.00	0.26	1.351	IO	|	|	|	|	2.40	46.833	0.00	0.24	1.243	IO	|	|	|	|	2.25
41.750	0.00	0.26	1.349	IO	|	|	|	|	2.40	46.917	0.00	0.24	1.241	IO	|	|	|	|	2.25
41.833	0.00	0.26	1.347	IO	|	|	|	|	2.40	47.000	0.00	0.24	1.240	IO	|	|	|	|	2.25
41.917	0.00	0.26	1.346	IO	|	|	|	|	2.40	47.083	0.00	0.24	1.238	IO	|	|	|	|	2.25
42.000	0.00	0.26	1.344	IO	|	|	|	|	2.39	47.167	0.00	0.24	1.236	IO	|	|	|	|	2.24
42.083	0.00	0.26	1.342	IO	|	|	|	|	2.39	47.250	0.00	0.24	1.235	IO	|	|	|	|	2.24
42.167	0.00	0.26	1.340	IO	|	|	|	|	2.39	47.333	0.00	0.24	1.233	IO	|	|	|	|	2.24
42.250	0.00	0.26	1.338	IO	|	|	|	|	2.39	47.417	0.00	0.24	1.231	IO	|	|	|	|	2.24
42.333	0.00	0.26	1.337	IO	|	|	|	|	2.38	47.500	0.00	0.24	1.230	IO	|	|	|	|	2.23
42.417	0.00	0.26	1.335	IO	|	|	|	|	2.38	47.583	0.00	0.24	1.228	IO	|	|	|	|	2.23
42.500	0.00	0.26	1.333	IO	|	|	|	|	2.38	47.667	0.00	0.24	1.226	IO	|	|	|	|	2.23
42.583	0.00	0.26	1.331	IO	|	|	|	|	2.38	47.750	0.00	0.24	1.225	IO	|	|	|	|	2.23
42.667	0.00	0.26	1.329	IO	|	|	|	|	2.37	47.833	0.00	0.24	1.223	IO	|	|	|	|	2.22
42.750	0.00	0.26	1.328	IO	|	|	|	|	2.37	47.917	0.00	0.24	1.222	IO	|	|	|	|	2.22
42.833	0.00	0.26	1.326	IO	|	|	|	|	2.37	48.000	0.00	0.24	1.220	IO	|	|	|	|	2.22
42.917	0.00	0.26	1.324	IO	|	|	|	|	2.37	48.083	0.00	0.24	1.218	IO	|	|	|	|	2.22
43.000	0.00	0.26	1.322	IO	|	|	|	|	2.36	48.167	0.00	0.24	1.217	IO	|	|	|	|	2.22
43.083	0.00	0.26	1.321	IO	|	|	|	|	2.36	48.250	0.00	0.24	1.215	IO	|	|	|	|	2.21
43.167	0.00	0.26	1.319	IO	|	|	|	|	2.36	48.333	0.00	0.24	1.213	IO	|	|	|	|	2.21
43.250	0.00	0.26	1.317	IO	|	|	|	|	2.36	48.417	0.00	0.24	1.212	IO	|	|	|	|	2.21
43.333	0.00	0.26	1.315	IO	|	|	|	|	2.35	48.500	0.00	0.24	1.210	IO	|	|	|	|	2.21
43.417	0.00	0.26	1.313	IO	|	|	|	|	2.35	48.583	0.00	0.24	1.208	IO	|	|	|	|	2.20
43.500	0.00	0.26	1.312	IO	|	|	|	|	2.35	48.667	0.00	0.24	1.207	IO	|	|	|	|	2.20
43.583	0.00	0.26	1.310	IO	|	|	|	|	2.35	48.750	0.00	0.24	1.205	IO	|	|	|	|	2.20
43.667	0.00	0.25	1.308	IO	|	|	|	|	2.34	48.833	0.00	0.24	1.204	IO	|	|	|	|	2.20
43.750	0.00	0.25	1.306	IO	|	|	|	|	2.34	48.917	0.00	0.24	1.202	IO	|	|	|	|	2.19
43.833	0.00	0.25	1.305	IO	|	|	|	|	2.34	49.000	0.00	0.24	1.200	IO	|	|	|	|	2.19
43.917	0.00	0.25	1.303	IO	|	|	|	|	2.34	49.083	0.00	0.23	1.199	IO	|	|	|	|	2.19
44.000	0.00	0.25	1.301	IO	|	|	|	|	2.33	49.167	0.00	0.23	1.197	IO	|	|	|	|	2.19
44.083	0.00	0.25	1.299	IO	|	|	|	|	2.33	49.250	0.00	0.23	1.195	IO	|	|	|	|	2.19
44.167	0.00	0.25	1.298	IO	|	|	|	|	2.33	49.333	0.00	0.23	1.194	IO	|	|	|	|	2.18
44.250	0.00	0.25	1.296	IO	|	|	|	|	2.33	49.417	0.00	0.23	1.192	IO	|	|	|	|	2.18
44.333	0.00	0.25	1.294	IO	|	|	|	|	2.32	49.500	0.00	0.23	1.191	IO	|	|	|	|	2.18
44.417	0.00	0.25	1.292	IO	|	|	|	|	2.32	49.583	0.00	0.23	1.189	IO	|	|	|	|	2.18
44.500	0.00	0.25	1.291	IO	|	|	|	|	2.32	49.667	0.00	0.23	1.187	IO	|	|	|	|	2.17
44.583	0.00	0.25	1.289	IO	|	|	|	|	2.32	49.750	0.00	0.23	1.186	IO	|	|	|	|	2.17
44.667	0.00	0.25	1.287	IO	|	|	|	|	2.31	49.833	0.00	0.23	1.184	IO	|	|	|	|	2.17
44.750	0.00	0.25	1.286	IO	|	|	|	|	2.31	49.917	0.00	0.23	1.183	IO	|	|	|	|	2.17
44.833	0.00	0.25	1.284	IO	|	|	|	|	2.31	50.000	0.00	0.23	1.181	IO	|	|	|	|	2.17
44.917	0.00	0.25	1.282	IO	|	|	|	|	2.31	50.083	0.00	0.23	1.179	IO	|	|	|	|	2.16

50.167	0.00	0.23	1.178	IO	|	|	|	|	2.16	55.333	0.00	0.21	1.083	IO	|	|	|	|	2.03
50.250	0.00	0.23	1.176	IO	|	|	|	|	2.16	55.417	0.00	0.21	1.081	IO	|	|	|	|	2.03
50.333	0.00	0.23	1.175	IO	|	|	|	|	2.16	55.500	0.00	0.21	1.080	IO	|	|	|	|	2.02
50.417	0.00	0.23	1.173	IO	|	|	|	|	2.15	55.583	0.00	0.21	1.079	IO	|	|	|	|	2.02
50.500	0.00	0.23	1.171	IO	|	|	|	|	2.15	55.667	0.00	0.21	1.077	IO	|	|	|	|	2.02
50.583	0.00	0.23	1.170	IO	|	|	|	|	2.15	55.750	0.00	0.21	1.076	IO	|	|	|	|	2.02
50.667	0.00	0.23	1.168	IO	|	|	|	|	2.15	55.833	0.00	0.21	1.074	IO	|	|	|	|	2.02
50.750	0.00	0.23	1.167	IO	|	|	|	|	2.15	55.917	0.00	0.21	1.073	IO	|	|	|	|	2.01
50.833	0.00	0.23	1.165	IO	|	|	|	|	2.14	56.000	0.00	0.21	1.071	IO	|	|	|	|	2.01
50.917	0.00	0.23	1.164	IO	|	|	|	|	2.14	56.083	0.00	0.21	1.070	IO	|	|	|	|	2.01
51.000	0.00	0.23	1.162	IO	|	|	|	|	2.14	56.167	0.00	0.21	1.068	IO	|	|	|	|	2.01
51.083	0.00	0.23	1.160	IO	|	|	|	|	2.14	56.250	0.00	0.21	1.067	IO	|	|	|	|	2.01
51.167	0.00	0.23	1.159	IO	|	|	|	|	2.13	56.333	0.00	0.21	1.065	IO	|	|	|	|	2.00
51.250	0.00	0.23	1.157	IO	|	|	|	|	2.13	56.417	0.00	0.21	1.064	IO	|	|	|	|	2.00
51.333	0.00	0.23	1.156	IO	|	|	|	|	2.13	56.500	0.00	0.21	1.063	IO	|	|	|	|	2.00
51.417	0.00	0.23	1.154	IO	|	|	|	|	2.13	56.583	0.00	0.21	1.061	IO	|	|	|	|	2.00
51.500	0.00	0.23	1.153	IO	|	|	|	|	2.13	56.667	0.00	0.21	1.060	IO	|	|	|	|	1.99
51.583	0.00	0.23	1.151	IO	|	|	|	|	2.12	56.750	0.00	0.21	1.058	IO	|	|	|	|	1.99
51.667	0.00	0.23	1.150	IO	|	|	|	|	2.12	56.833	0.00	0.21	1.057	IO	|	|	|	|	1.99
51.750	0.00	0.23	1.148	IO	|	|	|	|	2.12	56.917	0.00	0.21	1.055	IO	|	|	|	|	1.99
51.833	0.00	0.23	1.146	IO	|	|	|	|	2.12	57.000	0.00	0.21	1.054	IO	|	|	|	|	1.98
51.917	0.00	0.22	1.145	IO	|	|	|	|	2.11	57.083	0.00	0.21	1.052	IO	|	|	|	|	1.98
52.000	0.00	0.22	1.143	IO	|	|	|	|	2.11	57.167	0.00	0.21	1.051	IO	|	|	|	|	1.98
52.083	0.00	0.22	1.142	IO	|	|	|	|	2.11	57.250	0.00	0.21	1.050	IO	|	|	|	|	1.98
52.167	0.00	0.22	1.140	IO	|	|	|	|	2.11	57.333	0.00	0.21	1.048	IO	|	|	|	|	1.97
52.250	0.00	0.22	1.139	IO	|	|	|	|	2.11	57.417	0.00	0.21	1.047	IO	|	|	|	|	1.97
52.333	0.00	0.22	1.137	IO	|	|	|	|	2.10	57.500	0.00	0.21	1.045	IO	|	|	|	|	1.97
52.417	0.00	0.22	1.136	IO	|	|	|	|	2.10	57.583	0.00	0.20	1.044	IO	|	|	|	|	1.97
52.500	0.00	0.22	1.134	IO	|	|	|	|	2.10	57.667	0.00	0.20	1.043	IO	|	|	|	|	1.97
52.583	0.00	0.22	1.133	IO	|	|	|	|	2.10	57.750	0.00	0.20	1.041	IO	|	|	|	|	1.96
52.667	0.00	0.22	1.131	IO	|	|	|	|	2.10	57.833	0.00	0.20	1.040	IO	|	|	|	|	1.96
52.750	0.00	0.22	1.129	IO	|	|	|	|	2.09	57.917	0.00	0.20	1.038	IO	|	|	|	|	1.96
52.833	0.00	0.22	1.128	IO	|	|	|	|	2.09	58.000	0.00	0.20	1.037	IO	|	|	|	|	1.96
52.917	0.00	0.22	1.126	IO	|	|	|	|	2.09	58.083	0.00	0.20	1.036	IO	|	|	|	|	1.95
53.000	0.00	0.22	1.125	IO	|	|	|	|	2.09	58.167	0.00	0.20	1.034	IO	|	|	|	|	1.95
53.083	0.00	0.22	1.123	IO	|	|	|	|	2.08	58.250	0.00	0.20	1.033	IO	|	|	|	|	1.95
53.167	0.00	0.22	1.122	IO	|	|	|	|	2.08	58.333	0.00	0.20	1.031	IO	|	|	|	|	1.95
53.250	0.00	0.22	1.120	IO	|	|	|	|	2.08	58.417	0.00	0.20	1.030	IO	|	|	|	|	1.94
53.333	0.00	0.22	1.119	IO	|	|	|	|	2.08	58.500	0.00	0.20	1.029	IO	|	|	|	|	1.94
53.417	0.00	0.22	1.117	IO	|	|	|	|	2.08	58.583	0.00	0.20	1.027	IO	|	|	|	|	1.94
53.500	0.00	0.22	1.116	IO	|	|	|	|	2.07	58.667	0.00	0.20	1.026	IO	|	|	|	|	1.94
53.583	0.00	0.22	1.114	IO	|	|	|	|	2.07	58.750	0.00	0.20	1.024	IO	|	|	|	|	1.93
53.667	0.00	0.22	1.113	IO	|	|	|	|	2.07	58.833	0.00	0.20	1.023	IO	|	|	|	|	1.93
53.750	0.00	0.22	1.111	IO	|	|	|	|	2.07	58.917	0.00	0.20	1.022	IO	|	|	|	|	1.93
53.833	0.00	0.22	1.110	IO	|	|	|	|	2.07	59.000	0.00	0.20	1.020	IO	|	|	|	|	1.93
53.917	0.00	0.22	1.108	IO	|	|	|	|	2.06	59.083	0.00	0.20	1.019	IO	|	|	|	|	1.93
54.000	0.00	0.22	1.107	IO	|	|	|	|	2.06	59.167	0.00	0.20	1.018	IO	|	|	|	|	1.92
54.083	0.00	0.22	1.105	IO	|	|	|	|	2.06	59.250	0.00	0.20	1.016	IO	|	|	|	|	1.92
54.167	0.00	0.22	1.104	IO	|	|	|	|	2.06	59.333	0.00	0.20	1.015	IO	|	|	|	|	1.92
54.250	0.00	0.22	1.102	IO	|	|	|	|	2.06	59.417	0.00	0.20	1.014	IO	|	|	|	|	1.92
54.333	0.00	0.22	1.101	IO	|	|	|	|	2.05	59.500	0.00	0.20	1.012	IO	|	|	|	|	1.91
54.417	0.00	0.22	1.099	IO	|	|	|	|	2.05	59.583	0.00	0.20	1.011	IO	|	|	|	|	1.91
54.500	0.00	0.22	1.098	IO	|	|	|	|	2.05	59.667	0.00	0.20	1.010	IO	|	|	|	|	1.91
54.583	0.00	0.22	1.096	IO	|	|	|	|	2.05	59.750	0.00	0.20	1.008	IO	|	|	|	|	1.91
54.667	0.00	0.22	1.095	IO	|	|	|	|	2.04	59.833	0.00	0.19	1.007	IO	|	|	|	|	1.90
54.750	0.00	0.22	1.093	IO	|	|	|	|	2.04	59.917	0.00	0.19	1.006	IO	|	|	|	|	1.90
54.833	0.00	0.22	1.092	IO	|	|	|	|	2.04	60.000	0.00	0.19	1.004	IO	|	|	|	|	1.90
54.917	0.00	0.21	1.090	IO	|	|	|	|	2.04	60.083	0.00	0.19	1.003	IO	|	|	|	|	1.90
55.000	0.00	0.21	1.089	IO	|	|	|	|	2.04	60.167	0.00	0.19	1.001	IO	|	|	|	|	1.90
55.083	0.00	0.21	1.087	IO	|	|	|	|	2.03	60.250	0.00	0.19	1.000	IO	|	|	|	|	1.89
55.167	0.00	0.21	1.086	IO	|	|	|	|	2.03	60.333	0.00	0.19	0.999	IO	|	|	|	|	1.89
55.250	0.00	0.21	1.084	IO	|	|	|	|	2.03	60.417	0.00	0.19	0.998	IO	|	|	|	|	1.89

60.500	0.00	0.19	0.996	IO	|	|	|	|	1.89	65.667	0.00	0.17	0.919	IO	|	|	|	|	1.76
60.583	0.00	0.19	0.995	IO	|	|	|	|	1.88	65.750	0.00	0.17	0.918	IO	|	|	|	|	1.75
60.667	0.00	0.19	0.994	IO	|	|	|	|	1.88	65.833	0.00	0.17	0.916	IO	|	|	|	|	1.75
60.750	0.00	0.19	0.992	IO	|	|	|	|	1.88	65.917	0.00	0.17	0.915	IO	|	|	|	|	1.75
60.833	0.00	0.19	0.991	IO	|	|	|	|	1.88	66.000	0.00	0.17	0.914	IO	|	|	|	|	1.75
60.917	0.00	0.19	0.990	IO	|	|	|	|	1.88	66.083	0.00	0.17	0.913	IO	|	|	|	|	1.75
61.000	0.00	0.19	0.988	IO	|	|	|	|	1.87	66.167	0.00	0.17	0.912	IO	|	|	|	|	1.74
61.083	0.00	0.19	0.987	IO	|	|	|	|	1.87	66.250	0.00	0.17	0.911	IO	|	|	|	|	1.74
61.167	0.00	0.19	0.986	IO	|	|	|	|	1.87	66.333	0.00	0.17	0.910	O	|	|	|	|	1.74
61.250	0.00	0.19	0.984	IO	|	|	|	|	1.87	66.417	0.00	0.17	0.908	O	|	|	|	|	1.74
61.333	0.00	0.19	0.983	IO	|	|	|	|	1.86	66.500	0.00	0.17	0.907	O	|	|	|	|	1.74
61.417	0.00	0.19	0.982	IO	|	|	|	|	1.86	66.583	0.00	0.17	0.906	O	|	|	|	|	1.73
61.500	0.00	0.19	0.981	IO	|	|	|	|	1.86	66.667	0.00	0.17	0.905	O	|	|	|	|	1.73
61.583	0.00	0.19	0.979	IO	|	|	|	|	1.86	66.750	0.00	0.17	0.904	O	|	|	|	|	1.73
61.667	0.00	0.19	0.978	IO	|	|	|	|	1.86	66.833	0.00	0.17	0.903	O	|	|	|	|	1.73
61.750	0.00	0.19	0.977	IO	|	|	|	|	1.85	66.917	0.00	0.17	0.901	O	|	|	|	|	1.73
61.833	0.00	0.19	0.975	IO	|	|	|	|	1.85	67.000	0.00	0.17	0.900	O	|	|	|	|	1.72
61.917	0.00	0.19	0.974	IO	|	|	|	|	1.85	67.083	0.00	0.17	0.899	O	|	|	|	|	1.72
62.000	0.00	0.19	0.973	IO	|	|	|	|	1.85	67.167	0.00	0.17	0.898	O	|	|	|	|	1.72
62.083	0.00	0.19	0.972	IO	|	|	|	|	1.84	67.250	0.00	0.16	0.897	O	|	|	|	|	1.72
62.167	0.00	0.18	0.970	IO	|	|	|	|	1.84	67.333	0.00	0.16	0.896	O	|	|	|	|	1.72
62.250	0.00	0.18	0.969	IO	|	|	|	|	1.84	67.417	0.00	0.16	0.895	O	|	|	|	|	1.71
62.333	0.00	0.18	0.968	IO	|	|	|	|	1.84	67.500	0.00	0.16	0.893	O	|	|	|	|	1.71
62.417	0.00	0.18	0.966	IO	|	|	|	|	1.84	67.583	0.00	0.16	0.892	O	|	|	|	|	1.71
62.500	0.00	0.18	0.965	IO	|	|	|	|	1.83	67.667	0.00	0.16	0.891	O	|	|	|	|	1.71
62.583	0.00	0.18	0.964	IO	|	|	|	|	1.83	67.750	0.00	0.16	0.890	O	|	|	|	|	1.71
62.667	0.00	0.18	0.963	IO	|	|	|	|	1.83	67.833	0.00	0.16	0.889	O	|	|	|	|	1.70
62.750	0.00	0.18	0.961	IO	|	|	|	|	1.83	67.917	0.00	0.16	0.888	O	|	|	|	|	1.70
62.833	0.00	0.18	0.960	IO	|	|	|	|	1.83	68.000	0.00	0.16	0.887	O	|	|	|	|	1.70
62.917	0.00	0.18	0.959	IO	|	|	|	|	1.82	68.083	0.00	0.16	0.886	O	|	|	|	|	1.70
63.000	0.00	0.18	0.958	IO	|	|	|	|	1.82	68.167	0.00	0.16	0.885	O	|	|	|	|	1.70
63.083	0.00	0.18	0.956	IO	|	|	|	|	1.82	68.250	0.00	0.16	0.883	O	|	|	|	|	1.70
63.167	0.00	0.18	0.955	IO	|	|	|	|	1.82	68.333	0.00	0.16	0.882	O	|	|	|	|	1.69
63.250	0.00	0.18	0.954	IO	|	|	|	|	1.81	68.417	0.00	0.16	0.881	O	|	|	|	|	1.69
63.333	0.00	0.18	0.953	IO	|	|	|	|	1.81	68.500	0.00	0.16	0.880	O	|	|	|	|	1.69
63.417	0.00	0.18	0.951	IO	|	|	|	|	1.81	68.583	0.00	0.16	0.879	O	|	|	|	|	1.69
63.500	0.00	0.18	0.950	IO	|	|	|	|	1.81	68.667	0.00	0.16	0.878	O	|	|	|	|	1.69
63.583	0.00	0.18	0.949	IO	|	|	|	|	1.81	68.750	0.00	0.16	0.877	O	|	|	|	|	1.68
63.667	0.00	0.18	0.948	IO	|	|	|	|	1.80	68.833	0.00	0.16	0.876	O	|	|	|	|	1.68
63.750	0.00	0.18	0.946	IO	|	|	|	|	1.80	68.917	0.00	0.16	0.875	O	|	|	|	|	1.68
63.833	0.00	0.18	0.945	IO	|	|	|	|	1.80	69.000	0.00	0.16	0.873	O	|	|	|	|	1.68
63.917	0.00	0.18	0.944	IO	|	|	|	|	1.80	69.083	0.00	0.16	0.872	O	|	|	|	|	1.68
64.000	0.00	0.18	0.943	IO	|	|	|	|	1.80	69.167	0.00	0.16	0.871	O	|	|	|	|	1.67
64.083	0.00	0.18	0.942	IO	|	|	|	|	1.79	69.250	0.00	0.16	0.870	O	|	|	|	|	1.67
64.167	0.00	0.18	0.940	IO	|	|	|	|	1.79	69.333	0.00	0.16	0.869	O	|	|	|	|	1.67
64.250	0.00	0.18	0.939	IO	|	|	|	|	1.79	69.417	0.00	0.16	0.868	O	|	|	|	|	1.67
64.333	0.00	0.18	0.938	IO	|	|	|	|	1.79	69.500	0.00	0.16	0.867	O	|	|	|	|	1.67
64.417	0.00	0.18	0.937	IO	|	|	|	|	1.79	69.583	0.00	0.16	0.866	O	|	|	|	|	1.67
64.500	0.00	0.18	0.936	IO	|	|	|	|	1.78	69.667	0.00	0.16	0.865	O	|	|	|	|	1.66
64.583	0.00	0.18	0.934	IO	|	|	|	|	1.78	69.750	0.00	0.16	0.864	O	|	|	|	|	1.66
64.667	0.00	0.17	0.933	IO	|	|	|	|	1.78	69.833	0.00	0.16	0.863	O	|	|	|	|	1.66
64.750	0.00	0.17	0.932	IO	|	|	|	|	1.78	69.917	0.00	0.16	0.862	O	|	|	|	|	1.66
64.833	0.00	0.17	0.931	IO	|	|	|	|	1.78	70.000	0.00	0.16	0.861	O	|	|	|	|	1.66
64.917	0.00	0.17	0.930	IO	|	|	|	|	1.77	70.083	0.00	0.15	0.859	O	|	|	|	|	1.65
65.000	0.00	0.17	0.928	IO	|	|	|	|	1.77	70.167	0.00	0.15	0.858	O	|	|	|	|	1.65
65.083	0.00	0.17	0.927	IO	|	|	|	|	1.77	70.250	0.00	0.15	0.857	O	|	|	|	|	1.65
65.167	0.00	0.17	0.926	IO	|	|	|	|	1.77	70.333	0.00	0.15	0.856	O	|	|	|	|	1.65
65.250	0.00	0.17	0.925	IO	|	|	|	|	1.77	70.417	0.00	0.15	0.855	O	|	|	|	|	1.65
65.333	0.00	0.17	0.924	IO	|	|	|	|	1.76	70.500	0.00	0.15	0.854	O	|	|	|	|	1.65
65.417	0.00	0.17	0.922	IO	|	|	|	|	1.76	70.583	0.00	0.15	0.853	O	|	|	|	|	1.64
65.500	0.00	0.17	0.921	IO	|	|	|	|	1.76	70.667	0.00	0.15	0.852	O	|	|	|	|	1.64
65.583	0.00	0.17	0.920	IO	|	|	|	|	1.76	70.750	0.00	0.15	0.851	O	|	|	|	|	1.64

70.833	0.00	0.15	0.850	O	|	|	|	|	1.64	76.000	0.00	0.14	0.789	O	|	|	|	|	1.53
70.917	0.00	0.15	0.849	O	|	|	|	|	1.64	76.083	0.00	0.14	0.788	O	|	|	|	|	1.53
71.000	0.00	0.15	0.848	O	|	|	|	|	1.63	76.167	0.00	0.13	0.787	O	|	|	|	|	1.53
71.083	0.00	0.15	0.847	O	|	|	|	|	1.63	76.250	0.00	0.13	0.786	O	|	|	|	|	1.53
71.167	0.00	0.15	0.846	O	|	|	|	|	1.63	76.333	0.00	0.13	0.785	O	|	|	|	|	1.53
71.250	0.00	0.15	0.845	O	|	|	|	|	1.63	76.417	0.00	0.13	0.784	O	|	|	|	|	1.53
71.333	0.00	0.15	0.844	O	|	|	|	|	1.63	76.500	0.00	0.13	0.783	O	|	|	|	|	1.52
71.417	0.00	0.15	0.843	O	|	|	|	|	1.63	76.583	0.00	0.13	0.782	O	|	|	|	|	1.52
71.500	0.00	0.15	0.842	O	|	|	|	|	1.62	76.667	0.00	0.13	0.781	O	|	|	|	|	1.52
71.583	0.00	0.15	0.841	O	|	|	|	|	1.62	76.750	0.00	0.13	0.780	O	|	|	|	|	1.52
71.667	0.00	0.15	0.840	O	|	|	|	|	1.62	76.833	0.00	0.13	0.779	O	|	|	|	|	1.52
71.750	0.00	0.15	0.839	O	|	|	|	|	1.62	76.917	0.00	0.13	0.778	O	|	|	|	|	1.52
71.833	0.00	0.15	0.838	O	|	|	|	|	1.62	77.000	0.00	0.13	0.778	O	|	|	|	|	1.52
71.917	0.00	0.15	0.837	O	|	|	|	|	1.62	77.083	0.00	0.13	0.777	O	|	|	|	|	1.51
72.000	0.00	0.15	0.835	O	|	|	|	|	1.61	77.167	0.00	0.13	0.776	O	|	|	|	|	1.51
72.083	0.00	0.15	0.834	O	|	|	|	|	1.61	77.250	0.00	0.13	0.775	O	|	|	|	|	1.51
72.167	0.00	0.15	0.833	O	|	|	|	|	1.61	77.333	0.00	0.13	0.774	O	|	|	|	|	1.51
72.250	0.00	0.15	0.832	O	|	|	|	|	1.61	77.417	0.00	0.13	0.773	O	|	|	|	|	1.51
72.333	0.00	0.15	0.831	O	|	|	|	|	1.61	77.500	0.00	0.13	0.772	O	|	|	|	|	1.51
72.417	0.00	0.15	0.830	O	|	|	|	|	1.61	77.583	0.00	0.13	0.771	O	|	|	|	|	1.50
72.500	0.00	0.15	0.829	O	|	|	|	|	1.60	77.667	0.00	0.13	0.770	O	|	|	|	|	1.50
72.583	0.00	0.15	0.828	O	|	|	|	|	1.60	77.750	0.00	0.13	0.769	O	|	|	|	|	1.50
72.667	0.00	0.15	0.827	O	|	|	|	|	1.60	77.833	0.00	0.13	0.769	O	|	|	|	|	1.50
72.750	0.00	0.15	0.826	O	|	|	|	|	1.60	77.917	0.00	0.13	0.768	O	|	|	|	|	1.50
72.833	0.00	0.15	0.825	O	|	|	|	|	1.60	78.000	0.00	0.13	0.767	O	|	|	|	|	1.50
72.917	0.00	0.15	0.824	O	|	|	|	|	1.59	78.083	0.00	0.13	0.766	O	|	|	|	|	1.50
73.000	0.00	0.14	0.823	O	|	|	|	|	1.59	78.167	0.00	0.13	0.765	O	|	|	|	|	1.49
73.083	0.00	0.14	0.822	O	|	|	|	|	1.59	78.250	0.00	0.13	0.764	O	|	|	|	|	1.49
73.167	0.00	0.14	0.821	O	|	|	|	|	1.59	78.333	0.00	0.13	0.763	O	|	|	|	|	1.49
73.250	0.00	0.14	0.820	O	|	|	|	|	1.59	78.417	0.00	0.13	0.762	O	|	|	|	|	1.49
73.333	0.00	0.14	0.819	O	|	|	|	|	1.59	78.500	0.00	0.13	0.761	O	|	|	|	|	1.49
73.417	0.00	0.14	0.818	O	|	|	|	|	1.58	78.583	0.00	0.13	0.761	O	|	|	|	|	1.49
73.500	0.00	0.14	0.817	O	|	|	|	|	1.58	78.667	0.00	0.13	0.760	O	|	|	|	|	1.48
73.583	0.00	0.14	0.816	O	|	|	|	|	1.58	78.750	0.00	0.13	0.759	O	|	|	|	|	1.48
73.667	0.00	0.14	0.815	O	|	|	|	|	1.58	78.833	0.00	0.13	0.758	O	|	|	|	|	1.48
73.750	0.00	0.14	0.814	O	|	|	|	|	1.58	78.917	0.00	0.13	0.757	O	|	|	|	|	1.48
73.833	0.00	0.14	0.813	O	|	|	|	|	1.58	79.000	0.00	0.13	0.756	O	|	|	|	|	1.48
73.917	0.00	0.14	0.813	O	|	|	|	|	1.57	79.083	0.00	0.13	0.755	O	|	|	|	|	1.48
74.000	0.00	0.14	0.812	O	|	|	|	|	1.57	79.167	0.00	0.13	0.754	O	|	|	|	|	1.48
74.083	0.00	0.14	0.811	O	|	|	|	|	1.57	79.250	0.00	0.13	0.754	O	|	|	|	|	1.47
74.167	0.00	0.14	0.810	O	|	|	|	|	1.57	79.333	0.00	0.13	0.753	O	|	|	|	|	1.47
74.250	0.00	0.14	0.809	O	|	|	|	|	1.57	79.417	0.00	0.13	0.752	O	|	|	|	|	1.47
74.333	0.00	0.14	0.808	O	|	|	|	|	1.57	79.500	0.00	0.13	0.751	O	|	|	|	|	1.47
74.417	0.00	0.14	0.807	O	|	|	|	|	1.56	79.583	0.00	0.12	0.750	O	|	|	|	|	1.47
74.500	0.00	0.14	0.806	O	|	|	|	|	1.56	79.667	0.00	0.12	0.749	O	|	|	|	|	1.47
74.583	0.00	0.14	0.805	O	|	|	|	|	1.56	79.750	0.00	0.12	0.748	O	|	|	|	|	1.47
74.667	0.00	0.14	0.804	O	|	|	|	|	1.56	79.833	0.00	0.12	0.748	O	|	|	|	|	1.46
74.750	0.00	0.14	0.803	O	|	|	|	|	1.56	79.917	0.00	0.12	0.747	O	|	|	|	|	1.46
74.833	0.00	0.14	0.802	O	|	|	|	|	1.56	80.000	0.00	0.12	0.746	O	|	|	|	|	1.46
74.917	0.00	0.14	0.801	O	|	|	|	|	1.56	80.083	0.00	0.12	0.745	O	|	|	|	|	1.46
75.000	0.00	0.14	0.800	O	|	|	|	|	1.55	80.167	0.00	0.12	0.744	O	|	|	|	|	1.46
75.083	0.00	0.14	0.799	O	|	|	|	|	1.55	80.250	0.00	0.12	0.743	O	|	|	|	|	1.46
75.167	0.00	0.14	0.798	O	|	|	|	|	1.55	80.333	0.00	0.12	0.742	O	|	|	|	|	1.46
75.250	0.00	0.14	0.797	O	|	|	|	|	1.55	80.417	0.00	0.12	0.742	O	|	|	|	|	1.45
75.333	0.00	0.14	0.796	O	|	|	|	|	1.55	80.500	0.00	0.12	0.741	O	|	|	|	|	1.45
75.417	0.00	0.14	0.795	O	|	|	|	|	1.55	80.583	0.00	0.12	0.740	O	|	|	|	|	1.45
75.500	0.00	0.14	0.794	O	|	|	|	|	1.54	80.667	0.00	0.12	0.739	O	|	|	|	|	1.45
75.583	0.00	0.14	0.793	O	|	|	|	|	1.54	80.750	0.00	0.12	0.738	O	|	|	|	|	1.45
75.667	0.00	0.14	0.792	O	|	|	|	|	1.54	80.833	0.00	0.12	0.737	O	|	|	|	|	1.45
75.750	0.00	0.14	0.791	O	|	|	|	|	1.54	80.917	0.00	0.12	0.737	O	|	|	|	|	1.45
75.833	0.00	0.14	0.791	O	|	|	|	|	1.54	81.000	0.00	0.12	0.736	O	|	|	|	|	1.44
75.917	0.00	0.14	0.790	O	|	|	|	|	1.54	81.083	0.00	0.12	0.735	O	|	|	|	|	1.44

81.167	0.00	0.12	0.734	O					1.44	86.333	0.00	0.11	0.685	O					1.36
81.250	0.00	0.12	0.733	O					1.44	86.417	0.00	0.11	0.685	O					1.36
81.333	0.00	0.12	0.732	O					1.44	86.500	0.00	0.11	0.684	O					1.36
81.417	0.00	0.12	0.732	O					1.44	86.583	0.00	0.11	0.683	O					1.36
81.500	0.00	0.12	0.731	O					1.44	86.667	0.00	0.11	0.682	O					1.35
81.583	0.00	0.12	0.730	O					1.43	86.750	0.00	0.11	0.682	O					1.35
81.667	0.00	0.12	0.729	O					1.43	86.833	0.00	0.11	0.681	O					1.35
81.750	0.00	0.12	0.728	O					1.43	86.917	0.00	0.11	0.680	O					1.35
81.833	0.00	0.12	0.727	O					1.43	87.000	0.00	0.11	0.680	O					1.35
81.917	0.00	0.12	0.727	O					1.43	87.083	0.00	0.11	0.679	O					1.35
82.000	0.00	0.12	0.726	O					1.43	87.167	0.00	0.11	0.678	O					1.35
82.083	0.00	0.12	0.725	O					1.43	87.250	0.00	0.11	0.677	O					1.35
82.167	0.00	0.12	0.724	O					1.42	87.333	0.00	0.11	0.677	O					1.34
82.250	0.00	0.12	0.723	O					1.42	87.417	0.00	0.10	0.676	O					1.34
82.333	0.00	0.12	0.723	O					1.42	87.500	0.00	0.10	0.675	O					1.34
82.417	0.00	0.12	0.722	O					1.42	87.583	0.00	0.10	0.674	O					1.34
82.500	0.00	0.12	0.721	O					1.42	87.667	0.00	0.10	0.674	O					1.34
82.583	0.00	0.12	0.720	O					1.42	87.750	0.00	0.10	0.673	O					1.34
82.667	0.00	0.12	0.719	O					1.42	87.833	0.00	0.10	0.672	O					1.34
82.750	0.00	0.12	0.719	O					1.42	87.917	0.00	0.10	0.672	O					1.34
82.833	0.00	0.12	0.718	O					1.41	88.000	0.00	0.10	0.671	O					1.33
82.917	0.00	0.12	0.717	O					1.41	88.083	0.00	0.10	0.670	O					1.33
83.000	0.00	0.12	0.716	O					1.41	88.167	0.00	0.10	0.669	O					1.33
83.083	0.00	0.12	0.715	O					1.41	88.250	0.00	0.10	0.669	O					1.33
83.167	0.00	0.12	0.715	O					1.41	88.333	0.00	0.10	0.668	O					1.33
83.250	0.00	0.12	0.714	O					1.41	88.417	0.00	0.10	0.667	O					1.33
83.333	0.00	0.11	0.713	O					1.41	88.500	0.00	0.10	0.667	O					1.33
83.417	0.00	0.11	0.712	O					1.40	88.583	0.00	0.10	0.666	O					1.33
83.500	0.00	0.11	0.711	O					1.40	88.667	0.00	0.10	0.665	O					1.32
83.583	0.00	0.11	0.711	O					1.40	88.750	0.00	0.10	0.665	O					1.32
83.667	0.00	0.11	0.710	O					1.40	88.833	0.00	0.10	0.664	O					1.32
83.750	0.00	0.11	0.709	O					1.40	88.917	0.00	0.10	0.663	O					1.32
83.833	0.00	0.11	0.708	O					1.40	89.000	0.00	0.10	0.662	O					1.32
83.917	0.00	0.11	0.707	O					1.40	89.083	0.00	0.10	0.662	O					1.32
84.000	0.00	0.11	0.707	O					1.39	89.167	0.00	0.10	0.661	O					1.32
84.083	0.00	0.11	0.706	O					1.39	89.250	0.00	0.10	0.660	O					1.32
84.167	0.00	0.11	0.705	O					1.39	89.333	0.00	0.10	0.660	O					1.32
84.250	0.00	0.11	0.704	O					1.39	89.417	0.00	0.10	0.659	O					1.31
84.333	0.00	0.11	0.704	O					1.39	89.500	0.00	0.10	0.658	O					1.31
84.417	0.00	0.11	0.703	O					1.39	89.583	0.00	0.10	0.658	O					1.31
84.500	0.00	0.11	0.702	O					1.39	89.667	0.00	0.10	0.657	O					1.31
84.583	0.00	0.11	0.701	O					1.39	89.750	0.00	0.10	0.656	O					1.31
84.667	0.00	0.11	0.700	O					1.38	89.833	0.00	0.10	0.656	O					1.31
84.750	0.00	0.11	0.700	O					1.38	89.917	0.00	0.10	0.655	O					1.31
84.833	0.00	0.11	0.699	O					1.38	90.000	0.00	0.10	0.654	O					1.31
84.917	0.00	0.11	0.698	O					1.38	90.083	0.00	0.10	0.653	O					1.30
85.000	0.00	0.11	0.697	O					1.38	90.167	0.00	0.10	0.653	O					1.30
85.083	0.00	0.11	0.697	O					1.38	90.250	0.00	0.10	0.652	O					1.30
85.167	0.00	0.11	0.696	O					1.38	90.333	0.00	0.10	0.651	O					1.30
85.250	0.00	0.11	0.695	O					1.38	90.417	0.00	0.10	0.651	O					1.30
85.333	0.00	0.11	0.694	O					1.37	90.500	0.00	0.10	0.650	O					1.30
85.417	0.00	0.11	0.694	O					1.37	90.583	0.00	0.10	0.649	O					1.30
85.500	0.00	0.11	0.693	O					1.37	90.667	0.00	0.10	0.649	O					1.30
85.583	0.00	0.11	0.692	O					1.37	90.750	0.00	0.10	0.648	O					1.30
85.667	0.00	0.11	0.691	O					1.37	90.833	0.00	0.10	0.647	O					1.29
85.750	0.00	0.11	0.691	O					1.37	90.917	0.00	0.10	0.647	O					1.29
85.833	0.00	0.11	0.690	O					1.37	91.000	0.00	0.10	0.646	O					1.29
85.917	0.00	0.11	0.689	O					1.37	91.083	0.00	0.10	0.645	O					1.29
86.000	0.00	0.11	0.688	O					1.36	91.167	0.00	0.10	0.645	O					1.29
86.083	0.00	0.11	0.688	O					1.36	91.250	0.00	0.10	0.644	O					1.29
86.167	0.00	0.11	0.687	O					1.36	91.333	0.00	0.10	0.643	O					1.29
86.250	0.00	0.11	0.686	O					1.36	91.417	0.00	0.10	0.643	O					1.29

91.500	0.00	0.10	0.642	O	|	|	|	|	1.29	96.667	0.00	0.09	0.604	O	|	|	|	|	1.22
91.583	0.00	0.10	0.641	O	|	|	|	|	1.28	96.750	0.00	0.09	0.603	O	|	|	|	|	1.22
91.667	0.00	0.10	0.641	O	|	|	|	|	1.28	96.833	0.00	0.08	0.602	O	|	|	|	|	1.22
91.750	0.00	0.10	0.640	O	|	|	|	|	1.28	96.917	0.00	0.08	0.602	O	|	|	|	|	1.22
91.833	0.00	0.09	0.639	O	|	|	|	|	1.28	97.000	0.00	0.08	0.601	O	|	|	|	|	1.22
91.917	0.00	0.09	0.639	O	|	|	|	|	1.28	97.083	0.00	0.08	0.601	O	|	|	|	|	1.21
92.000	0.00	0.09	0.638	O	|	|	|	|	1.28	97.167	0.00	0.08	0.600	O	|	|	|	|	1.21
92.083	0.00	0.09	0.637	O	|	|	|	|	1.28	97.250	0.00	0.08	0.599	O	|	|	|	|	1.21
92.167	0.00	0.09	0.637	O	|	|	|	|	1.28	97.333	0.00	0.08	0.599	O	|	|	|	|	1.21
92.250	0.00	0.09	0.636	O	|	|	|	|	1.28	97.417	0.00	0.08	0.598	O	|	|	|	|	1.21
92.333	0.00	0.09	0.636	O	|	|	|	|	1.27	97.500	0.00	0.08	0.598	O	|	|	|	|	1.21
92.417	0.00	0.09	0.635	O	|	|	|	|	1.27	97.583	0.00	0.08	0.597	O	|	|	|	|	1.21
92.500	0.00	0.09	0.634	O	|	|	|	|	1.27	97.667	0.00	0.08	0.597	O	|	|	|	|	1.21
92.583	0.00	0.09	0.634	O	|	|	|	|	1.27	97.750	0.00	0.08	0.596	O	|	|	|	|	1.21
92.667	0.00	0.09	0.633	O	|	|	|	|	1.27	97.833	0.00	0.08	0.595	O	|	|	|	|	1.21
92.750	0.00	0.09	0.632	O	|	|	|	|	1.27	97.917	0.00	0.08	0.595	O	|	|	|	|	1.21
92.833	0.00	0.09	0.632	O	|	|	|	|	1.27	98.000	0.00	0.08	0.594	O	|	|	|	|	1.20
92.917	0.00	0.09	0.631	O	|	|	|	|	1.27	98.083	0.00	0.08	0.594	O	|	|	|	|	1.20
93.000	0.00	0.09	0.630	O	|	|	|	|	1.27	98.167	0.00	0.08	0.593	O	|	|	|	|	1.20
93.083	0.00	0.09	0.630	O	|	|	|	|	1.26	98.250	0.00	0.08	0.593	O	|	|	|	|	1.20
93.167	0.00	0.09	0.629	O	|	|	|	|	1.26	98.333	0.00	0.08	0.592	O	|	|	|	|	1.20
93.250	0.00	0.09	0.629	O	|	|	|	|	1.26	98.417	0.00	0.08	0.591	O	|	|	|	|	1.20
93.333	0.00	0.09	0.628	O	|	|	|	|	1.26	98.500	0.00	0.08	0.591	O	|	|	|	|	1.20
93.417	0.00	0.09	0.627	O	|	|	|	|	1.26	98.583	0.00	0.08	0.590	O	|	|	|	|	1.20
93.500	0.00	0.09	0.627	O	|	|	|	|	1.26	98.667	0.00	0.08	0.590	O	|	|	|	|	1.20
93.583	0.00	0.09	0.626	O	|	|	|	|	1.26	98.750	0.00	0.08	0.589	O	|	|	|	|	1.20
93.667	0.00	0.09	0.625	O	|	|	|	|	1.26	98.833	0.00	0.08	0.589	O	|	|	|	|	1.19
93.750	0.00	0.09	0.625	O	|	|	|	|	1.26	98.917	0.00	0.08	0.588	O	|	|	|	|	1.19
93.833	0.00	0.09	0.624	O	|	|	|	|	1.25	99.000	0.00	0.08	0.588	O	|	|	|	|	1.19
93.917	0.00	0.09	0.623	O	|	|	|	|	1.25	99.083	0.00	0.08	0.587	O	|	|	|	|	1.19
94.000	0.00	0.09	0.623	O	|	|	|	|	1.25	99.167	0.00	0.08	0.586	O	|	|	|	|	1.19
94.083	0.00	0.09	0.622	O	|	|	|	|	1.25	99.250	0.00	0.08	0.586	O	|	|	|	|	1.19
94.167	0.00	0.09	0.622	O	|	|	|	|	1.25	99.333	0.00	0.08	0.585	O	|	|	|	|	1.19
94.250	0.00	0.09	0.621	O	|	|	|	|	1.25	99.417	0.00	0.08	0.585	O	|	|	|	|	1.19
94.333	0.00	0.09	0.620	O	|	|	|	|	1.25	99.500	0.00	0.08	0.584	O	|	|	|	|	1.19
94.417	0.00	0.09	0.620	O	|	|	|	|	1.25	99.583	0.00	0.08	0.584	O	|	|	|	|	1.19
94.500	0.00	0.09	0.619	O	|	|	|	|	1.25	99.667	0.00	0.08	0.583	O	|	|	|	|	1.19
94.583	0.00	0.09	0.619	O	|	|	|	|	1.25	99.750	0.00	0.08	0.583	O	|	|	|	|	1.18
94.667	0.00	0.09	0.618	O	|	|	|	|	1.24	99.833	0.00	0.08	0.582	O	|	|	|	|	1.18
94.750	0.00	0.09	0.617	O	|	|	|	|	1.24	99.917	0.00	0.08	0.581	O	|	|	|	|	1.18
94.833	0.00	0.09	0.617	O	|	|	|	|	1.24	100.000	0.00	0.08	0.581	O	|	|	|	|	1.18
94.917	0.00	0.09	0.616	O	|	|	|	|	1.24	100.083	0.00	0.08	0.580	O	|	|	|	|	1.18
95.000	0.00	0.09	0.615	O	|	|	|	|	1.24	100.167	0.00	0.08	0.580	O	|	|	|	|	1.18
95.083	0.00	0.09	0.615	O	|	|	|	|	1.24	100.250	0.00	0.08	0.579	O	|	|	|	|	1.18
95.167	0.00	0.09	0.614	O	|	|	|	|	1.24	100.333	0.00	0.08	0.579	O	|	|	|	|	1.18
95.250	0.00	0.09	0.614	O	|	|	|	|	1.24	100.417	0.00	0.08	0.578	O	|	|	|	|	1.18
95.333	0.00	0.09	0.613	O	|	|	|	|	1.24	100.500	0.00	0.08	0.578	O	|	|	|	|	1.18
95.417	0.00	0.09	0.612	O	|	|	|	|	1.24	100.583	0.00	0.08	0.577	O	|	|	|	|	1.18
95.500	0.00	0.09	0.612	O	|	|	|	|	1.23	100.667	0.00	0.08	0.577	O	|	|	|	|	1.17
95.583	0.00	0.09	0.611	O	|	|	|	|	1.23	100.750	0.00	0.08	0.576	O	|	|	|	|	1.17
95.667	0.00	0.09	0.611	O	|	|	|	|	1.23	100.833	0.00	0.08	0.576	O	|	|	|	|	1.17
95.750	0.00	0.09	0.610	O	|	|	|	|	1.23	100.917	0.00	0.08	0.575	O	|	|	|	|	1.17
95.833	0.00	0.09	0.609	O	|	|	|	|	1.23	101.000	0.00	0.08	0.574	O	|	|	|	|	1.17
95.917	0.00	0.09	0.609	O	|	|	|	|	1.23	101.083	0.00	0.08	0.574	O	|	|	|	|	1.17
96.000	0.00	0.09	0.608	O	|	|	|	|	1.23	101.167	0.00	0.08	0.573	O	|	|	|	|	1.17
96.083	0.00	0.09	0.608	O	|	|	|	|	1.23	101.250	0.00	0.08	0.573	O	|	|	|	|	1.17
96.167	0.00	0.09	0.607	O	|	|	|	|	1.23	101.333	0.00	0.08	0.572	O	|	|	|	|	1.17
96.250	0.00	0.09	0.606	O	|	|	|	|	1.22	101.417	0.00	0.08	0.572	O	|	|	|	|	1.17
96.333	0.00	0.09	0.606	O	|	|	|	|	1.22	101.500	0.00	0.08	0.571	O	|	|	|	|	1.17
96.417	0.00	0.09	0.605	O	|	|	|	|	1.22	101.583	0.00	0.08	0.571	O	|	|	|	|	1.16
96.500	0.00	0.09	0.605	O	|	|	|	|	1.22	101.667	0.00	0.08	0.570	O	|	|	|	|	1.16
96.583	0.00	0.09	0.604	O	|	|	|	|	1.22	101.750	0.00	0.08	0.570	O	|	|	|	|	1.16

101.833	0.00	0.08	0.569	O					1.16	107.000	0.00	0.07	0.539	O					1.11
101.917	0.00	0.08	0.569	O					1.16	107.083	0.00	0.07	0.538	O					1.11
102.000	0.00	0.08	0.568	O					1.16	107.167	0.00	0.07	0.538	O					1.11
102.083	0.00	0.08	0.568	O					1.16	107.250	0.00	0.07	0.537	O					1.11
102.167	0.00	0.08	0.567	O					1.16	107.333	0.00	0.07	0.537	O					1.11
102.250	0.00	0.08	0.567	O					1.16	107.417	0.00	0.07	0.536	O					1.11
102.333	0.00	0.08	0.566	O					1.16	107.500	0.00	0.07	0.536	O					1.10
102.417	0.00	0.07	0.566	O					1.16	107.583	0.00	0.07	0.535	O					1.10
102.500	0.00	0.07	0.565	O					1.15	107.667	0.00	0.07	0.535	O					1.10
102.583	0.00	0.07	0.565	O					1.15	107.750	0.00	0.07	0.534	O					1.10
102.667	0.00	0.07	0.564	O					1.15	107.833	0.00	0.07	0.534	O					1.10
102.750	0.00	0.07	0.563	O					1.15	107.917	0.00	0.07	0.534	O					1.10
102.833	0.00	0.07	0.563	O					1.15	108.000	0.00	0.07	0.533	O					1.10
102.917	0.00	0.07	0.562	O					1.15	108.083	0.00	0.07	0.533	O					1.10
103.000	0.00	0.07	0.562	O					1.15	108.167	0.00	0.07	0.532	O					1.10
103.083	0.00	0.07	0.561	O					1.15	108.250	0.00	0.07	0.532	O					1.10
103.167	0.00	0.07	0.561	O					1.15	108.333	0.00	0.07	0.531	O					1.10
103.250	0.00	0.07	0.560	O					1.15	108.417	0.00	0.07	0.531	O					1.10
103.333	0.00	0.07	0.560	O					1.15	108.500	0.00	0.07	0.530	O					1.10
103.417	0.00	0.07	0.559	O					1.15	108.583	0.00	0.07	0.530	O					1.09
103.500	0.00	0.07	0.559	O					1.14	108.667	0.00	0.07	0.529	O					1.09
103.583	0.00	0.07	0.558	O					1.14	108.750	0.00	0.06	0.529	O					1.09
103.667	0.00	0.07	0.558	O					1.14	108.833	0.00	0.06	0.529	O					1.09
103.750	0.00	0.07	0.557	O					1.14	108.917	0.00	0.06	0.528	O					1.09
103.833	0.00	0.07	0.557	O					1.14	109.000	0.00	0.06	0.528	O					1.09
103.917	0.00	0.07	0.556	O					1.14	109.083	0.00	0.06	0.527	O					1.09
104.000	0.00	0.07	0.556	O					1.14	109.167	0.00	0.06	0.527	O					1.09
104.083	0.00	0.07	0.555	O					1.14	109.250	0.00	0.06	0.526	O					1.09
104.167	0.00	0.07	0.555	O					1.14	109.333	0.00	0.06	0.526	O					1.09
104.250	0.00	0.07	0.554	O					1.14	109.417	0.00	0.06	0.525	O					1.09
104.333	0.00	0.07	0.554	O					1.14	109.500	0.00	0.06	0.525	O					1.09
104.417	0.00	0.07	0.553	O					1.13	109.583	0.00	0.06	0.525	O					1.09
104.500	0.00	0.07	0.553	O					1.13	109.667	0.00	0.06	0.524	O					1.09
104.583	0.00	0.07	0.552	O					1.13	109.750	0.00	0.06	0.524	O					1.08
104.667	0.00	0.07	0.552	O					1.13	109.833	0.00	0.06	0.523	O					1.08
104.750	0.00	0.07	0.551	O					1.13	109.917	0.00	0.06	0.523	O					1.08
104.833	0.00	0.07	0.551	O					1.13	110.000	0.00	0.06	0.522	O					1.08
104.917	0.00	0.07	0.550	O					1.13	110.083	0.00	0.06	0.522	O					1.08
105.000	0.00	0.07	0.550	O					1.13	110.167	0.00	0.06	0.522	O					1.08
105.083	0.00	0.07	0.550	O					1.13	110.250	0.00	0.06	0.521	O					1.08
105.167	0.00	0.07	0.549	O					1.13	110.333	0.00	0.06	0.521	O					1.08
105.250	0.00	0.07	0.549	O					1.13	110.417	0.00	0.06	0.520	O					1.08
105.333	0.00	0.07	0.548	O					1.13	110.500	0.00	0.06	0.520	O					1.08
105.417	0.00	0.07	0.548	O					1.12	110.583	0.00	0.06	0.519	O					1.08
105.500	0.00	0.07	0.547	O					1.12	110.667	0.00	0.06	0.519	O					1.08
105.583	0.00	0.07	0.547	O					1.12	110.750	0.00	0.06	0.519	O					1.08
105.667	0.00	0.07	0.546	O					1.12	110.833	0.00	0.06	0.518	O					1.07
105.750	0.00	0.07	0.546	O					1.12	110.917	0.00	0.06	0.518	O					1.07
105.833	0.00	0.07	0.545	O					1.12	111.000	0.00	0.06	0.517	O					1.07
105.917	0.00	0.07	0.545	O					1.12	111.083	0.00	0.06	0.517	O					1.07
106.000	0.00	0.07	0.544	O					1.12	111.167	0.00	0.06	0.516	O					1.07
106.083	0.00	0.07	0.544	O					1.12	111.250	0.00	0.06	0.516	O					1.07
106.167	0.00	0.07	0.543	O					1.12	111.333	0.00	0.06	0.516	O					1.07
106.250	0.00	0.07	0.543	O					1.12	111.417	0.00	0.06	0.515	O					1.07
106.333	0.00	0.07	0.542	O					1.12	111.500	0.00	0.06	0.515	O					1.07
106.417	0.00	0.07	0.542	O					1.12	111.583	0.00	0.06	0.514	O					1.07
106.500	0.00	0.07	0.541	O					1.11	111.667	0.00	0.06	0.514	O					1.07
106.583	0.00	0.07	0.541	O					1.11	111.750	0.00	0.06	0.513	O					1.07
106.667	0.00	0.07	0.540	O					1.11	111.833	0.00	0.06	0.513	O					1.07
106.750	0.00	0.07	0.540	O					1.11	111.917	0.00	0.06	0.513	O					1.07
106.833	0.00	0.07	0.540	O					1.11	112.000	0.00	0.06	0.512	O					1.06
106.917	0.00	0.07	0.539	O					1.11	112.083	0.00	0.06	0.512	O					1.06

112.167	0.00	0.06	0.511	O	|	|	|	|	1.06	117.333	0.00	0.05	0.487	O	|	|	|	|	1.02
112.250	0.00	0.06	0.511	O	|	|	|	|	1.06	117.417	0.00	0.05	0.487	O	|	|	|	|	1.02
112.333	0.00	0.06	0.511	O	|	|	|	|	1.06	117.500	0.00	0.05	0.486	O	|	|	|	|	1.02
112.417	0.00	0.06	0.510	O	|	|	|	|	1.06	117.583	0.00	0.05	0.486	O	|	|	|	|	1.02
112.500	0.00	0.06	0.510	O	|	|	|	|	1.06	117.667	0.00	0.05	0.486	O	|	|	|	|	1.02
112.583	0.00	0.06	0.509	O	|	|	|	|	1.06	117.750	0.00	0.05	0.485	O	|	|	|	|	1.02
112.667	0.00	0.06	0.509	O	|	|	|	|	1.06	117.833	0.00	0.05	0.485	O	|	|	|	|	1.02
112.750	0.00	0.06	0.508	O	|	|	|	|	1.06	117.917	0.00	0.05	0.485	O	|	|	|	|	1.02
112.833	0.00	0.06	0.508	O	|	|	|	|	1.06	118.000	0.00	0.05	0.484	O	|	|	|	|	1.02
112.917	0.00	0.06	0.508	O	|	|	|	|	1.06	118.083	0.00	0.05	0.484	O	|	|	|	|	1.02
113.000	0.00	0.06	0.507	O	|	|	|	|	1.06	118.167	0.00	0.05	0.483	O	|	|	|	|	1.02
113.083	0.00	0.06	0.507	O	|	|	|	|	1.06	118.250	0.00	0.05	0.483	O	|	|	|	|	1.02
113.167	0.00	0.06	0.506	O	|	|	|	|	1.06	118.333	0.00	0.05	0.483	O	|	|	|	|	1.01
113.250	0.00	0.06	0.506	O	|	|	|	|	1.05	118.417	0.00	0.05	0.482	O	|	|	|	|	1.01
113.333	0.00	0.06	0.506	O	|	|	|	|	1.05	118.500	0.00	0.05	0.482	O	|	|	|	|	1.01
113.417	0.00	0.06	0.505	O	|	|	|	|	1.05	118.583	0.00	0.05	0.482	O	|	|	|	|	1.01
113.500	0.00	0.06	0.505	O	|	|	|	|	1.05	118.667	0.00	0.05	0.481	O	|	|	|	|	1.01
113.583	0.00	0.06	0.504	O	|	|	|	|	1.05	118.750	0.00	0.05	0.481	O	|	|	|	|	1.01
113.667	0.00	0.06	0.504	O	|	|	|	|	1.05	118.833	0.00	0.05	0.481	O	|	|	|	|	1.01
113.750	0.00	0.06	0.504	O	|	|	|	|	1.05	118.917	0.00	0.05	0.480	O	|	|	|	|	1.01
113.833	0.00	0.06	0.503	O	|	|	|	|	1.05	119.000	0.00	0.05	0.480	O	|	|	|	|	1.01
113.917	0.00	0.06	0.503	O	|	|	|	|	1.05	119.083	0.00	0.05	0.480	O	|	|	|	|	1.01
114.000	0.00	0.06	0.502	O	|	|	|	|	1.05	119.167	0.00	0.05	0.479	O	|	|	|	|	1.01
114.083	0.00	0.06	0.502	O	|	|	|	|	1.05	119.250	0.00	0.05	0.479	O	|	|	|	|	1.01
114.167	0.00	0.06	0.502	O	|	|	|	|	1.05	119.333	0.00	0.05	0.478	O	|	|	|	|	1.01
114.250	0.00	0.06	0.501	O	|	|	|	|	1.05	119.417	0.00	0.05	0.478	O	|	|	|	|	1.01
114.333	0.00	0.06	0.501	O	|	|	|	|	1.05	119.500	0.00	0.05	0.478	O	|	|	|	|	1.01
114.417	0.00	0.06	0.500	O	|	|	|	|	1.04	119.583	0.00	0.05	0.477	O	|	|	|	|	1.01
114.500	0.00	0.06	0.500	O	|	|	|	|	1.04	119.667	0.00	0.05	0.477	O	|	|	|	|	1.01
114.583	0.00	0.06	0.500	O	|	|	|	|	1.04	119.750	0.00	0.05	0.477	O	|	|	|	|	1.00
114.667	0.00	0.06	0.499	O	|	|	|	|	1.04	119.833	0.00	0.05	0.476	O	|	|	|	|	1.00
114.750	0.00	0.06	0.499	O	|	|	|	|	1.04	119.917	0.00	0.05	0.476	O	|	|	|	|	1.00
114.833	0.00	0.06	0.498	O	|	|	|	|	1.04	120.000	0.00	0.05	0.476	O	|	|	|	|	1.00
114.917	0.00	0.06	0.498	O	|	|	|	|	1.04	120.083	0.00	0.05	0.475	O	|	|	|	|	1.00
115.000	0.00	0.06	0.498	O	|	|	|	|	1.04	120.167	0.00	0.05	0.475	O	|	|	|	|	1.00
115.083	0.00	0.06	0.497	O	|	|	|	|	1.04	120.250	0.00	0.05	0.475	O	|	|	|	|	1.00
115.167	0.00	0.06	0.497	O	|	|	|	|	1.04	120.333	0.00	0.05	0.474	O	|	|	|	|	1.00
115.250	0.00	0.06	0.497	O	|	|	|	|	1.04	120.417	0.00	0.05	0.474	O	|	|	|	|	1.00
115.333	0.00	0.06	0.496	O	|	|	|	|	1.04	120.500	0.00	0.05	0.474	O	|	|	|	|	1.00
115.417	0.00	0.06	0.496	O	|	|	|	|	1.04	120.583	0.00	0.05	0.473	O	|	|	|	|	1.00
115.500	0.00	0.06	0.495	O	|	|	|	|	1.04	120.667	0.00	0.05	0.473	O	|	|	|	|	1.00
115.583	0.00	0.06	0.495	O	|	|	|	|	1.04	120.750	0.00	0.05	0.473	O	|	|	|	|	1.00
115.667	0.00	0.06	0.495	O	|	|	|	|	1.04	120.833	0.00	0.05	0.472	O	|	|	|	|	1.00
115.750	0.00	0.06	0.494	O	|	|	|	|	1.03	120.917	0.00	0.05	0.472	O	|	|	|	|	1.00
115.833	0.00	0.06	0.494	O	|	|	|	|	1.03	121.000	0.00	0.05	0.472	O	|	|	|	|	0.99
115.917	0.00	0.06	0.493	O	|	|	|	|	1.03	121.083	0.00	0.05	0.471	O	|	|	|	|	0.99
116.000	0.00	0.06	0.493	O	|	|	|	|	1.03	121.167	0.00	0.05	0.471	O	|	|	|	|	0.99
116.083	0.00	0.06	0.493	O	|	|	|	|	1.03	121.250	0.00	0.05	0.470	O	|	|	|	|	0.99
116.167	0.00	0.05	0.492	O	|	|	|	|	1.03	121.333	0.00	0.05	0.470	O	|	|	|	|	0.99
116.250	0.00	0.05	0.492	O	|	|	|	|	1.03	121.417	0.00	0.05	0.470	O	|	|	|	|	0.99
116.333	0.00	0.05	0.492	O	|	|	|	|	1.03	121.500	0.00	0.05	0.469	O	|	|	|	|	0.99
116.417	0.00	0.05	0.491	O	|	|	|	|	1.03	121.583	0.00	0.05	0.469	O	|	|	|	|	0.99
116.500	0.00	0.05	0.491	O	|	|	|	|	1.03	121.667	0.00	0.05	0.469	O	|	|	|	|	0.99
116.583	0.00	0.05	0.490	O	|	|	|	|	1.03	121.750	0.00	0.05	0.468	O	|	|	|	|	0.99
116.667	0.00	0.05	0.490	O	|	|	|	|	1.03	121.833	0.00	0.05	0.468	O	|	|	|	|	0.99
116.750	0.00	0.05	0.490	O	|	|	|	|	1.03	121.917	0.00	0.05	0.468	O	|	|	|	|	0.99
116.833	0.00	0.05	0.489	O	|	|	|	|	1.03	122.000	0.00	0.05	0.467	O	|	|	|	|	0.99
116.917	0.00	0.05	0.489	O	|	|	|	|	1.03	122.083	0.00	0.05	0.467	O	|	|	|	|	0.99
117.000	0.00	0.05	0.489	O	|	|	|	|	1.02	122.167	0.00	0.05	0.467	O	|	|	|	|	0.98
117.083	0.00	0.05	0.488	O	|	|	|	|	1.02	122.250	0.00	0.05	0.466	O	|	|	|	|	0.98
117.167	0.00	0.05	0.488	O	|	|	|	|	1.02	122.333	0.00	0.05	0.466	O	|	|	|	|	0.98
117.250	0.00	0.05	0.487	O	|	|	|	|	1.02	122.417	0.00	0.05	0.466	O	|	|	|	|	0.98

122.500	0.00	0.05	0.465	O					0.98	127.667	0.00	0.05	0.445	O					0.94
122.583	0.00	0.05	0.465	O					0.98	127.750	0.00	0.05	0.445	O					0.94
122.667	0.00	0.05	0.465	O					0.98	127.833	0.00	0.05	0.444	O					0.94
122.750	0.00	0.05	0.464	O					0.98	127.917	0.00	0.05	0.444	O					0.94
122.833	0.00	0.05	0.464	O					0.98	128.000	0.00	0.05	0.444	O					0.94
122.917	0.00	0.05	0.464	O					0.98	128.083	0.00	0.05	0.443	O					0.94
123.000	0.00	0.05	0.463	O					0.98	128.167	0.00	0.05	0.443	O					0.93
123.083	0.00	0.05	0.463	O					0.98	128.250	0.00	0.05	0.443	O					0.93
123.167	0.00	0.05	0.463	O					0.98	128.333	0.00	0.05	0.442	O					0.93
123.250	0.00	0.05	0.462	O					0.98	128.417	0.00	0.05	0.442	O					0.93
123.333	0.00	0.05	0.462	O					0.97	128.500	0.00	0.05	0.442	O					0.93
123.417	0.00	0.05	0.462	O					0.97	128.583	0.00	0.05	0.441	O					0.93
123.500	0.00	0.05	0.461	O					0.97	128.667	0.00	0.05	0.441	O					0.93
123.583	0.00	0.05	0.461	O					0.97	128.750	0.00	0.05	0.441	O					0.93
123.667	0.00	0.05	0.461	O					0.97	128.833	0.00	0.05	0.440	O					0.93
123.750	0.00	0.05	0.460	O					0.97	128.917	0.00	0.05	0.440	O					0.93
123.833	0.00	0.05	0.460	O					0.97	129.000	0.00	0.05	0.440	O					0.93
123.917	0.00	0.05	0.460	O					0.97	129.083	0.00	0.05	0.439	O					0.93
124.000	0.00	0.05	0.459	O					0.97	129.167	0.00	0.05	0.439	O					0.93
124.083	0.00	0.05	0.459	O					0.97	129.250	0.00	0.05	0.439	O					0.93
124.167	0.00	0.05	0.459	O					0.97	129.333	0.00	0.05	0.438	O					0.93
124.250	0.00	0.05	0.458	O					0.97	129.417	0.00	0.05	0.438	O					0.92
124.333	0.00	0.05	0.458	O					0.97	129.500	0.00	0.05	0.438	O					0.92
124.417	0.00	0.05	0.458	O					0.97	129.583	0.00	0.05	0.438	O					0.92
124.500	0.00	0.05	0.457	O					0.96	129.667	0.00	0.05	0.437	O					0.92
124.583	0.00	0.05	0.457	O					0.96	129.750	0.00	0.05	0.437	O					0.92
124.667	0.00	0.05	0.457	O					0.96	129.833	0.00	0.05	0.437	O					0.92
124.750	0.00	0.05	0.456	O					0.96	129.917	0.00	0.05	0.436	O					0.92
124.833	0.00	0.05	0.456	O					0.96	130.000	0.00	0.05	0.436	O					0.92
124.917	0.00	0.05	0.456	O					0.96	130.083	0.00	0.05	0.436	O					0.92
125.000	0.00	0.05	0.455	O					0.96	130.167	0.00	0.05	0.435	O					0.92
125.083	0.00	0.05	0.455	O					0.96	130.250	0.00	0.05	0.435	O					0.92
125.167	0.00	0.05	0.455	O					0.96	130.333	0.00	0.05	0.435	O					0.92
125.250	0.00	0.05	0.454	O					0.96	130.417	0.00	0.05	0.434	O					0.92
125.333	0.00	0.05	0.454	O					0.96	130.500	0.00	0.05	0.434	O					0.92
125.417	0.00	0.05	0.454	O					0.96	130.583	0.00	0.05	0.434	O					0.92
125.500	0.00	0.05	0.453	O					0.96	130.667	0.00	0.05	0.433	O					0.91
125.583	0.00	0.05	0.453	O					0.96	130.750	0.00	0.05	0.433	O					0.91
125.667	0.00	0.05	0.453	O					0.96	130.833	0.00	0.05	0.433	O					0.91
125.750	0.00	0.05	0.452	O					0.95	130.917	0.00	0.05	0.432	O					0.91
125.833	0.00	0.05	0.452	O					0.95	131.000	0.00	0.05	0.432	O					0.91
125.917	0.00	0.05	0.452	O					0.95	131.083	0.00	0.05	0.432	O					0.91
126.000	0.00	0.05	0.451	O					0.95	131.167	0.00	0.05	0.432	O					0.91
126.083	0.00	0.05	0.451	O					0.95	131.250	0.00	0.05	0.431	O					0.91
126.167	0.00	0.05	0.451	O					0.95	131.333	0.00	0.05	0.431	O					0.91
126.250	0.00	0.05	0.450	O					0.95	131.417	0.00	0.05	0.431	O					0.91
126.333	0.00	0.05	0.450	O					0.95	131.500	0.00	0.05	0.430	O					0.91
126.417	0.00	0.05	0.450	O					0.95	131.583	0.00	0.05	0.430	O					0.91
126.500	0.00	0.05	0.449	O					0.95	131.667	0.00	0.05	0.430	O					0.91
126.583	0.00	0.05	0.449	O					0.95	131.750	0.00	0.05	0.429	O					0.91
126.667	0.00	0.05	0.449	O					0.95	131.833	0.00	0.05	0.429	O					0.91
126.750	0.00	0.05	0.448	O					0.95	131.917	0.00	0.05	0.429	O					0.90
126.833	0.00	0.05	0.448	O					0.95	132.000	0.00	0.05	0.428	O					0.90
126.917	0.00	0.05	0.448	O					0.94	132.083	0.00	0.05	0.428	O					0.90
127.000	0.00	0.05	0.447	O					0.94	132.167	0.00	0.05	0.428	O					0.90
127.083	0.00	0.05	0.447	O					0.94	132.250	0.00	0.05	0.427	O					0.90
127.167	0.00	0.05	0.447	O					0.94	132.333	0.00	0.05	0.427	O					0.90
127.250	0.00	0.05	0.447	O					0.94	132.417	0.00	0.05	0.427	O					0.90
127.333	0.00	0.05	0.446	O					0.94	132.500	0.00	0.04	0.427	O					0.90
127.417	0.00	0.05	0.446	O					0.94	132.583	0.00	0.04	0.426	O					0.90
127.500	0.00	0.05	0.446	O					0.94	132.667	0.00	0.04	0.426	O					0.90
127.583	0.00	0.05	0.445	O					0.94	132.750	0.00	0.04	0.426	O					0.90

132.833	0.00	0.04	0.425	O	|	|	|	|	0.90	138.000	0.00	0.04	0.407	O	|	|	|	|	0.86
132.917	0.00	0.04	0.425	O	|	|	|	|	0.90	138.083	0.00	0.04	0.406	O	|	|	|	|	0.86
133.000	0.00	0.04	0.425	O	|	|	|	|	0.90	138.167	0.00	0.04	0.406	O	|	|	|	|	0.86
133.083	0.00	0.04	0.424	O	|	|	|	|	0.90	138.250	0.00	0.04	0.406	O	|	|	|	|	0.86
133.167	0.00	0.04	0.424	O	|	|	|	|	0.89	138.333	0.00	0.04	0.405	O	|	|	|	|	0.86
133.250	0.00	0.04	0.424	O	|	|	|	|	0.89	138.417	0.00	0.04	0.405	O	|	|	|	|	0.85
133.333	0.00	0.04	0.423	O	|	|	|	|	0.89	138.500	0.00	0.04	0.405	O	|	|	|	|	0.85
133.417	0.00	0.04	0.423	O	|	|	|	|	0.89	138.583	0.00	0.04	0.405	O	|	|	|	|	0.85
133.500	0.00	0.04	0.423	O	|	|	|	|	0.89	138.667	0.00	0.04	0.404	O	|	|	|	|	0.85
133.583	0.00	0.04	0.423	O	|	|	|	|	0.89	138.750	0.00	0.04	0.404	O	|	|	|	|	0.85
133.667	0.00	0.04	0.422	O	|	|	|	|	0.89	138.833	0.00	0.04	0.404	O	|	|	|	|	0.85
133.750	0.00	0.04	0.422	O	|	|	|	|	0.89	138.917	0.00	0.04	0.403	O	|	|	|	|	0.85
133.833	0.00	0.04	0.422	O	|	|	|	|	0.89	139.000	0.00	0.04	0.403	O	|	|	|	|	0.85
133.917	0.00	0.04	0.421	O	|	|	|	|	0.89	139.083	0.00	0.04	0.403	O	|	|	|	|	0.85
134.000	0.00	0.04	0.421	O	|	|	|	|	0.89	139.167	0.00	0.04	0.402	O	|	|	|	|	0.85
134.083	0.00	0.04	0.421	O	|	|	|	|	0.89	139.250	0.00	0.04	0.402	O	|	|	|	|	0.85
134.167	0.00	0.04	0.420	O	|	|	|	|	0.89	139.333	0.00	0.04	0.402	O	|	|	|	|	0.85
134.250	0.00	0.04	0.420	O	|	|	|	|	0.89	139.417	0.00	0.04	0.402	O	|	|	|	|	0.85
134.333	0.00	0.04	0.420	O	|	|	|	|	0.89	139.500	0.00	0.04	0.401	O	|	|	|	|	0.85
134.417	0.00	0.04	0.419	O	|	|	|	|	0.88	139.583	0.00	0.04	0.401	O	|	|	|	|	0.85
134.500	0.00	0.04	0.419	O	|	|	|	|	0.88	139.667	0.00	0.04	0.401	O	|	|	|	|	0.85
134.583	0.00	0.04	0.419	O	|	|	|	|	0.88	139.750	0.00	0.04	0.400	O	|	|	|	|	0.84
134.667	0.00	0.04	0.419	O	|	|	|	|	0.88	139.833	0.00	0.04	0.400	O	|	|	|	|	0.84
134.750	0.00	0.04	0.418	O	|	|	|	|	0.88	139.917	0.00	0.04	0.400	O	|	|	|	|	0.84
134.833	0.00	0.04	0.418	O	|	|	|	|	0.88	140.000	0.00	0.04	0.400	O	|	|	|	|	0.84
134.917	0.00	0.04	0.418	O	|	|	|	|	0.88	140.083	0.00	0.04	0.399	O	|	|	|	|	0.84
135.000	0.00	0.04	0.417	O	|	|	|	|	0.88	140.167	0.00	0.04	0.399	O	|	|	|	|	0.84
135.083	0.00	0.04	0.417	O	|	|	|	|	0.88	140.250	0.00	0.04	0.399	O	|	|	|	|	0.84
135.167	0.00	0.04	0.417	O	|	|	|	|	0.88	140.333	0.00	0.04	0.398	O	|	|	|	|	0.84
135.250	0.00	0.04	0.416	O	|	|	|	|	0.88	140.417	0.00	0.04	0.398	O	|	|	|	|	0.84
135.333	0.00	0.04	0.416	O	|	|	|	|	0.88	140.500	0.00	0.04	0.398	O	|	|	|	|	0.84
135.417	0.00	0.04	0.416	O	|	|	|	|	0.88	140.583	0.00	0.04	0.398	O	|	|	|	|	0.84
135.500	0.00	0.04	0.416	O	|	|	|	|	0.88	140.667	0.00	0.04	0.397	O	|	|	|	|	0.84
135.583	0.00	0.04	0.415	O	|	|	|	|	0.88	140.750	0.00	0.04	0.397	O	|	|	|	|	0.84
135.667	0.00	0.04	0.415	O	|	|	|	|	0.88	140.833	0.00	0.04	0.397	O	|	|	|	|	0.84
135.750	0.00	0.04	0.415	O	|	|	|	|	0.87	140.917	0.00	0.04	0.396	O	|	|	|	|	0.84
135.833	0.00	0.04	0.414	O	|	|	|	|	0.87	141.000	0.00	0.04	0.396	O	|	|	|	|	0.84
135.917	0.00	0.04	0.414	O	|	|	|	|	0.87	141.083	0.00	0.04	0.396	O	|	|	|	|	0.83
136.000	0.00	0.04	0.414	O	|	|	|	|	0.87	141.167	0.00	0.04	0.395	O	|	|	|	|	0.83
136.083	0.00	0.04	0.413	O	|	|	|	|	0.87	141.250	0.00	0.04	0.395	O	|	|	|	|	0.83
136.167	0.00	0.04	0.413	O	|	|	|	|	0.87	141.333	0.00	0.04	0.395	O	|	|	|	|	0.83
136.250	0.00	0.04	0.413	O	|	|	|	|	0.87	141.417	0.00	0.04	0.395	O	|	|	|	|	0.83
136.333	0.00	0.04	0.413	O	|	|	|	|	0.87	141.500	0.00	0.04	0.394	O	|	|	|	|	0.83
136.417	0.00	0.04	0.412	O	|	|	|	|	0.87	141.583	0.00	0.04	0.394	O	|	|	|	|	0.83
136.500	0.00	0.04	0.412	O	|	|	|	|	0.87	141.667	0.00	0.04	0.394	O	|	|	|	|	0.83
136.583	0.00	0.04	0.412	O	|	|	|	|	0.87	141.750	0.00	0.04	0.393	O	|	|	|	|	0.83
136.667	0.00	0.04	0.411	O	|	|	|	|	0.87	141.833	0.00	0.04	0.393	O	|	|	|	|	0.83
136.750	0.00	0.04	0.411	O	|	|	|	|	0.87	141.917	0.00	0.04	0.393	O	|	|	|	|	0.83
136.833	0.00	0.04	0.411	O	|	|	|	|	0.87	142.000	0.00	0.04	0.393	O	|	|	|	|	0.83
136.917	0.00	0.04	0.410	O	|	|	|	|	0.87	142.083	0.00	0.04	0.392	O	|	|	|	|	0.83
137.000	0.00	0.04	0.410	O	|	|	|	|	0.87	142.167	0.00	0.04	0.392	O	|	|	|	|	0.83
137.083	0.00	0.04	0.410	O	|	|	|	|	0.86	142.250	0.00	0.04	0.392	O	|	|	|	|	0.83
137.167	0.00	0.04	0.410	O	|	|	|	|	0.86	142.333	0.00	0.04	0.391	O	|	|	|	|	0.83
137.250	0.00	0.04	0.409	O	|	|	|	|	0.86	142.417	0.00	0.04	0.391	O	|	|	|	|	0.83
137.333	0.00	0.04	0.409	O	|	|	|	|	0.86	142.500	0.00	0.04	0.391	O	|	|	|	|	0.82
137.417	0.00	0.04	0.409	O	|	|	|	|	0.86	142.583	0.00	0.04	0.391	O	|	|	|	|	0.82
137.500	0.00	0.04	0.408	O	|	|	|	|	0.86	142.667	0.00	0.04	0.390	O	|	|	|	|	0.82
137.583	0.00	0.04	0.408	O	|	|	|	|	0.86	142.750	0.00	0.04	0.390	O	|	|	|	|	0.82
137.667	0.00	0.04	0.408	O	|	|	|	|	0.86	142.833	0.00	0.04	0.390	O	|	|	|	|	0.82
137.750	0.00	0.04	0.407	O	|	|	|	|	0.86	142.917	0.00	0.04	0.390	O	|	|	|	|	0.82
137.833	0.00	0.04	0.407	O	|	|	|	|	0.86	143.000	0.00	0.04	0.389	O	|	|	|	|	0.82
137.917	0.00	0.04	0.407	O	|	|	|	|	0.86	143.083	0.00	0.04	0.389	O	|	|	|	|	0.82

143.167	0.00	0.04	0.389	O	|	|	|	|	0.82	148.333	0.00	0.04	0.372	O	|	|	|	|	0.78
143.250	0.00	0.04	0.388	O	|	|	|	|	0.82	148.417	0.00	0.04	0.371	O	|	|	|	|	0.78
143.333	0.00	0.04	0.388	O	|	|	|	|	0.82	148.500	0.00	0.04	0.371	O	|	|	|	|	0.78
143.417	0.00	0.04	0.388	O	|	|	|	|	0.82	148.583	0.00	0.04	0.371	O	|	|	|	|	0.78
143.500	0.00	0.04	0.388	O	|	|	|	|	0.82	148.667	0.00	0.04	0.370	O	|	|	|	|	0.78
143.583	0.00	0.04	0.387	O	|	|	|	|	0.82	148.750	0.00	0.04	0.370	O	|	|	|	|	0.78
143.667	0.00	0.04	0.387	O	|	|	|	|	0.82	148.833	0.00	0.04	0.370	O	|	|	|	|	0.78
143.750	0.00	0.04	0.387	O	|	|	|	|	0.82	148.917	0.00	0.04	0.370	O	|	|	|	|	0.78
143.833	0.00	0.04	0.386	O	|	|	|	|	0.82	149.000	0.00	0.04	0.369	O	|	|	|	|	0.78
143.917	0.00	0.04	0.386	O	|	|	|	|	0.81	149.083	0.00	0.04	0.369	O	|	|	|	|	0.78
144.000	0.00	0.04	0.386	O	|	|	|	|	0.81	149.167	0.00	0.04	0.369	O	|	|	|	|	0.78
144.083	0.00	0.04	0.386	O	|	|	|	|	0.81	149.250	0.00	0.04	0.369	O	|	|	|	|	0.78
144.167	0.00	0.04	0.385	O	|	|	|	|	0.81	149.333	0.00	0.04	0.368	O	|	|	|	|	0.78
144.250	0.00	0.04	0.385	O	|	|	|	|	0.81	149.417	0.00	0.04	0.368	O	|	|	|	|	0.78
144.333	0.00	0.04	0.385	O	|	|	|	|	0.81	149.500	0.00	0.04	0.368	O	|	|	|	|	0.78
144.417	0.00	0.04	0.384	O	|	|	|	|	0.81	149.583	0.00	0.04	0.368	O	|	|	|	|	0.78
144.500	0.00	0.04	0.384	O	|	|	|	|	0.81	149.667	0.00	0.04	0.367	O	|	|	|	|	0.77
144.583	0.00	0.04	0.384	O	|	|	|	|	0.81	149.750	0.00	0.04	0.367	O	|	|	|	|	0.77
144.667	0.00	0.04	0.384	O	|	|	|	|	0.81	149.833	0.00	0.04	0.367	O	|	|	|	|	0.77
144.750	0.00	0.04	0.383	O	|	|	|	|	0.81	149.917	0.00	0.04	0.366	O	|	|	|	|	0.77
144.833	0.00	0.04	0.383	O	|	|	|	|	0.81	150.000	0.00	0.04	0.366	O	|	|	|	|	0.77
144.917	0.00	0.04	0.383	O	|	|	|	|	0.81	150.083	0.00	0.04	0.366	O	|	|	|	|	0.77
145.000	0.00	0.04	0.382	O	|	|	|	|	0.81	150.167	0.00	0.04	0.366	O	|	|	|	|	0.77
145.083	0.00	0.04	0.382	O	|	|	|	|	0.81	150.250	0.00	0.04	0.365	O	|	|	|	|	0.77
145.167	0.00	0.04	0.382	O	|	|	|	|	0.81	150.333	0.00	0.04	0.365	O	|	|	|	|	0.77
145.250	0.00	0.04	0.382	O	|	|	|	|	0.81	150.417	0.00	0.04	0.365	O	|	|	|	|	0.77
145.333	0.00	0.04	0.381	O	|	|	|	|	0.80	150.500	0.00	0.04	0.365	O	|	|	|	|	0.77
145.417	0.00	0.04	0.381	O	|	|	|	|	0.80	150.583	0.00	0.04	0.364	O	|	|	|	|	0.77
145.500	0.00	0.04	0.381	O	|	|	|	|	0.80	150.667	0.00	0.04	0.364	O	|	|	|	|	0.77
145.583	0.00	0.04	0.381	O	|	|	|	|	0.80	150.750	0.00	0.04	0.364	O	|	|	|	|	0.77
145.667	0.00	0.04	0.380	O	|	|	|	|	0.80	150.833	0.00	0.04	0.364	O	|	|	|	|	0.77
145.750	0.00	0.04	0.380	O	|	|	|	|	0.80	150.917	0.00	0.04	0.363	O	|	|	|	|	0.77
145.833	0.00	0.04	0.380	O	|	|	|	|	0.80	151.000	0.00	0.04	0.363	O	|	|	|	|	0.77
145.917	0.00	0.04	0.379	O	|	|	|	|	0.80	151.083	0.00	0.04	0.363	O	|	|	|	|	0.77
146.000	0.00	0.04	0.379	O	|	|	|	|	0.80	151.167	0.00	0.04	0.362	O	|	|	|	|	0.76
146.083	0.00	0.04	0.379	O	|	|	|	|	0.80	151.250	0.00	0.04	0.362	O	|	|	|	|	0.76
146.167	0.00	0.04	0.379	O	|	|	|	|	0.80	151.333	0.00	0.04	0.362	O	|	|	|	|	0.76
146.250	0.00	0.04	0.378	O	|	|	|	|	0.80	151.417	0.00	0.04	0.362	O	|	|	|	|	0.76
146.333	0.00	0.04	0.378	O	|	|	|	|	0.80	151.500	0.00	0.04	0.361	O	|	|	|	|	0.76
146.417	0.00	0.04	0.378	O	|	|	|	|	0.80	151.583	0.00	0.04	0.361	O	|	|	|	|	0.76
146.500	0.00	0.04	0.378	O	|	|	|	|	0.80	151.667	0.00	0.04	0.361	O	|	|	|	|	0.76
146.583	0.00	0.04	0.377	O	|	|	|	|	0.80	151.750	0.00	0.04	0.361	O	|	|	|	|	0.76
146.667	0.00	0.04	0.377	O	|	|	|	|	0.80	151.833	0.00	0.04	0.360	O	|	|	|	|	0.76
146.750	0.00	0.04	0.377	O	|	|	|	|	0.79	151.917	0.00	0.04	0.360	O	|	|	|	|	0.76
146.833	0.00	0.04	0.376	O	|	|	|	|	0.79	152.000	0.00	0.04	0.360	O	|	|	|	|	0.76
146.917	0.00	0.04	0.376	O	|	|	|	|	0.79	152.083	0.00	0.04	0.360	O	|	|	|	|	0.76
147.000	0.00	0.04	0.376	O	|	|	|	|	0.79	152.167	0.00	0.04	0.359	O	|	|	|	|	0.76
147.083	0.00	0.04	0.376	O	|	|	|	|	0.79	152.250	0.00	0.04	0.359	O	|	|	|	|	0.76
147.167	0.00	0.04	0.375	O	|	|	|	|	0.79	152.333	0.00	0.04	0.359	O	|	|	|	|	0.76
147.250	0.00	0.04	0.375	O	|	|	|	|	0.79	152.417	0.00	0.04	0.359	O	|	|	|	|	0.76
147.333	0.00	0.04	0.375	O	|	|	|	|	0.79	152.500	0.00	0.04	0.358	O	|	|	|	|	0.76
147.417	0.00	0.04	0.375	O	|	|	|	|	0.79	152.583	0.00	0.04	0.358	O	|	|	|	|	0.76
147.500	0.00	0.04	0.374	O	|	|	|	|	0.79	152.667	0.00	0.04	0.358	O	|	|	|	|	0.75
147.583	0.00	0.04	0.374	O	|	|	|	|	0.79	152.750	0.00	0.04	0.358	O	|	|	|	|	0.75
147.667	0.00	0.04	0.374	O	|	|	|	|	0.79	152.833	0.00	0.04	0.357	O	|	|	|	|	0.75
147.750	0.00	0.04	0.373	O	|	|	|	|	0.79	152.917	0.00	0.04	0.357	O	|	|	|	|	0.75
147.833	0.00	0.04	0.373	O	|	|	|	|	0.79	153.000	0.00	0.04	0.357	O	|	|	|	|	0.75
147.917	0.00	0.04	0.373	O	|	|	|	|	0.79	153.083	0.00	0.04	0.356	O	|	|	|	|	0.75
148.000	0.00	0.04	0.373	O	|	|	|	|	0.79	153.167	0.00	0.04	0.356	O	|	|	|	|	0.75
148.083	0.00	0.04	0.372	O	|	|	|	|	0.79	153.250	0.00	0.04	0.356	O	|	|	|	|	0.75
148.167	0.00	0.04	0.372	O	|	|	|	|	0.78	153.333	0.00	0.04	0.356	O	|	|	|	|	0.75
148.250	0.00	0.04	0.372	O	|	|	|	|	0.78	153.417	0.00	0.04	0.355	O	|	|	|	|	0.75

153.500	0.00	0.04	0.355	O	|	|	|	|	0.75	158.667	0.00	0.04	0.340	O	|	|	|	|	0.72
153.583	0.00	0.04	0.355	O	|	|	|	|	0.75	158.750	0.00	0.04	0.339	O	|	|	|	|	0.72
153.667	0.00	0.04	0.355	O	|	|	|	|	0.75	158.833	0.00	0.04	0.339	O	|	|	|	|	0.72
153.750	0.00	0.04	0.354	O	|	|	|	|	0.75	158.917	0.00	0.04	0.339	O	|	|	|	|	0.71
153.833	0.00	0.04	0.354	O	|	|	|	|	0.75	159.000	0.00	0.04	0.339	O	|	|	|	|	0.71
153.917	0.00	0.04	0.354	O	|	|	|	|	0.75	159.083	0.00	0.04	0.338	O	|	|	|	|	0.71
154.000	0.00	0.04	0.354	O	|	|	|	|	0.75	159.167	0.00	0.04	0.338	O	|	|	|	|	0.71
154.083	0.00	0.04	0.353	O	|	|	|	|	0.75	159.250	0.00	0.04	0.338	O	|	|	|	|	0.71
154.167	0.00	0.04	0.353	O	|	|	|	|	0.74	159.333	0.00	0.04	0.338	O	|	|	|	|	0.71
154.250	0.00	0.04	0.353	O	|	|	|	|	0.74	159.417	0.00	0.04	0.337	O	|	|	|	|	0.71
154.333	0.00	0.04	0.353	O	|	|	|	|	0.74	159.500	0.00	0.04	0.337	O	|	|	|	|	0.71
154.417	0.00	0.04	0.352	O	|	|	|	|	0.74	159.583	0.00	0.04	0.337	O	|	|	|	|	0.71
154.500	0.00	0.04	0.352	O	|	|	|	|	0.74	159.667	0.00	0.04	0.337	O	|	|	|	|	0.71
154.583	0.00	0.04	0.352	O	|	|	|	|	0.74	159.750	0.00	0.04	0.336	O	|	|	|	|	0.71
154.667	0.00	0.04	0.352	O	|	|	|	|	0.74	159.833	0.00	0.04	0.336	O	|	|	|	|	0.71
154.750	0.00	0.04	0.351	O	|	|	|	|	0.74	159.917	0.00	0.04	0.336	O	|	|	|	|	0.71
154.833	0.00	0.04	0.351	O	|	|	|	|	0.74	160.000	0.00	0.04	0.336	O	|	|	|	|	0.71
154.917	0.00	0.04	0.351	O	|	|	|	|	0.74	160.083	0.00	0.04	0.335	O	|	|	|	|	0.71
155.000	0.00	0.04	0.351	O	|	|	|	|	0.74	160.167	0.00	0.04	0.335	O	|	|	|	|	0.71
155.083	0.00	0.04	0.350	O	|	|	|	|	0.74	160.250	0.00	0.04	0.335	O	|	|	|	|	0.71
155.167	0.00	0.04	0.350	O	|	|	|	|	0.74	160.333	0.00	0.04	0.335	O	|	|	|	|	0.71
155.250	0.00	0.04	0.350	O	|	|	|	|	0.74	160.417	0.00	0.04	0.334	O	|	|	|	|	0.71
155.333	0.00	0.04	0.350	O	|	|	|	|	0.74	160.500	0.00	0.04	0.334	O	|	|	|	|	0.70
155.417	0.00	0.04	0.349	O	|	|	|	|	0.74	160.583	0.00	0.04	0.334	O	|	|	|	|	0.70
155.500	0.00	0.04	0.349	O	|	|	|	|	0.74	160.667	0.00	0.04	0.334	O	|	|	|	|	0.70
155.583	0.00	0.04	0.349	O	|	|	|	|	0.74	160.750	0.00	0.04	0.333	O	|	|	|	|	0.70
155.667	0.00	0.04	0.349	O	|	|	|	|	0.74	160.833	0.00	0.04	0.333	O	|	|	|	|	0.70
155.750	0.00	0.04	0.348	O	|	|	|	|	0.73	160.917	0.00	0.04	0.333	O	|	|	|	|	0.70
155.833	0.00	0.04	0.348	O	|	|	|	|	0.73	161.000	0.00	0.04	0.333	O	|	|	|	|	0.70
155.917	0.00	0.04	0.348	O	|	|	|	|	0.73	161.083	0.00	0.04	0.332	O	|	|	|	|	0.70
156.000	0.00	0.04	0.348	O	|	|	|	|	0.73	161.167	0.00	0.04	0.332	O	|	|	|	|	0.70
156.083	0.00	0.04	0.347	O	|	|	|	|	0.73	161.250	0.00	0.04	0.332	O	|	|	|	|	0.70
156.167	0.00	0.04	0.347	O	|	|	|	|	0.73	161.333	0.00	0.03	0.332	O	|	|	|	|	0.70
156.250	0.00	0.04	0.347	O	|	|	|	|	0.73	161.417	0.00	0.03	0.331	O	|	|	|	|	0.70
156.333	0.00	0.04	0.347	O	|	|	|	|	0.73	161.500	0.00	0.03	0.331	O	|	|	|	|	0.70
156.417	0.00	0.04	0.346	O	|	|	|	|	0.73	161.583	0.00	0.03	0.331	O	|	|	|	|	0.70
156.500	0.00	0.04	0.346	O	|	|	|	|	0.73	161.667	0.00	0.03	0.331	O	|	|	|	|	0.70
156.583	0.00	0.04	0.346	O	|	|	|	|	0.73	161.750	0.00	0.03	0.331	O	|	|	|	|	0.70
156.667	0.00	0.04	0.346	O	|	|	|	|	0.73	161.833	0.00	0.03	0.330	O	|	|	|	|	0.70
156.750	0.00	0.04	0.345	O	|	|	|	|	0.73	161.917	0.00	0.03	0.330	O	|	|	|	|	0.70
156.833	0.00	0.04	0.345	O	|	|	|	|	0.73	162.000	0.00	0.03	0.330	O	|	|	|	|	0.70
156.917	0.00	0.04	0.345	O	|	|	|	|	0.73	162.083	0.00	0.03	0.330	O	|	|	|	|	0.70
157.000	0.00	0.04	0.345	O	|	|	|	|	0.73	162.167	0.00	0.03	0.329	O	|	|	|	|	0.69
157.083	0.00	0.04	0.344	O	|	|	|	|	0.73	162.250	0.00	0.03	0.329	O	|	|	|	|	0.69
157.167	0.00	0.04	0.344	O	|	|	|	|	0.73	162.333	0.00	0.03	0.329	O	|	|	|	|	0.69
157.250	0.00	0.04	0.344	O	|	|	|	|	0.73	162.417	0.00	0.03	0.329	O	|	|	|	|	0.69
157.333	0.00	0.04	0.344	O	|	|	|	|	0.72	162.500	0.00	0.03	0.328	O	|	|	|	|	0.69
157.417	0.00	0.04	0.343	O	|	|	|	|	0.72	162.583	0.00	0.03	0.328	O	|	|	|	|	0.69
157.500	0.00	0.04	0.343	O	|	|	|	|	0.72	162.667	0.00	0.03	0.328	O	|	|	|	|	0.69
157.583	0.00	0.04	0.343	O	|	|	|	|	0.72	162.750	0.00	0.03	0.328	O	|	|	|	|	0.69
157.667	0.00	0.04	0.343	O	|	|	|	|	0.72	162.833	0.00	0.03	0.327	O	|	|	|	|	0.69
157.750	0.00	0.04	0.342	O	|	|	|	|	0.72	162.917	0.00	0.03	0.327	O	|	|	|	|	0.69
157.833	0.00	0.04	0.342	O	|	|	|	|	0.72	163.000	0.00	0.03	0.327	O	|	|	|	|	0.69
157.917	0.00	0.04	0.342	O	|	|	|	|	0.72	163.083	0.00	0.03	0.327	O	|	|	|	|	0.69
158.000	0.00	0.04	0.342	O	|	|	|	|	0.72	163.167	0.00	0.03	0.326	O	|	|	|	|	0.69
158.083	0.00	0.04	0.341	O	|	|	|	|	0.72	163.250	0.00	0.03	0.326	O	|	|	|	|	0.69
158.167	0.00	0.04	0.341	O	|	|	|	|	0.72	163.333	0.00	0.03	0.326	O	|	|	|	|	0.69
158.250	0.00	0.04	0.341	O	|	|	|	|	0.72	163.417	0.00	0.03	0.326	O	|	|	|	|	0.69
158.333	0.00	0.04	0.341	O	|	|	|	|	0.72	163.500	0.00	0.03	0.326	O	|	|	|	|	0.69
158.417	0.00	0.04	0.340	O	|	|	|	|	0.72	163.583	0.00	0.03	0.325	O	|	|	|	|	0.69
158.500	0.00	0.04	0.340	O	|	|	|	|	0.72	163.667	0.00	0.03	0.325	O	|	|	|	|	0.69
158.583	0.00	0.04	0.340	O	|	|	|	|	0.72	163.750	0.00	0.03	0.325	O	|	|	|	|	0.69

163.833	0.00	0.03	0.325	O	|	|	|	|	0.68	169.000	0.00	0.03	0.310	O	|	|	|	|	0.65
163.917	0.00	0.03	0.324	O	|	|	|	|	0.68	169.083	0.00	0.03	0.310	O	|	|	|	|	0.65
164.000	0.00	0.03	0.324	O	|	|	|	|	0.68	169.167	0.00	0.03	0.310	O	|	|	|	|	0.65
164.083	0.00	0.03	0.324	O	|	|	|	|	0.68	169.250	0.00	0.03	0.310	O	|	|	|	|	0.65
164.167	0.00	0.03	0.324	O	|	|	|	|	0.68	169.333	0.00	0.03	0.309	O	|	|	|	|	0.65
164.250	0.00	0.03	0.323	O	|	|	|	|	0.68	169.417	0.00	0.03	0.309	O	|	|	|	|	0.65
164.333	0.00	0.03	0.323	O	|	|	|	|	0.68	169.500	0.00	0.03	0.309	O	|	|	|	|	0.65
164.417	0.00	0.03	0.323	O	|	|	|	|	0.68	169.583	0.00	0.03	0.309	O	|	|	|	|	0.65
164.500	0.00	0.03	0.323	O	|	|	|	|	0.68	169.667	0.00	0.03	0.308	O	|	|	|	|	0.65
164.583	0.00	0.03	0.322	O	|	|	|	|	0.68	169.750	0.00	0.03	0.308	O	|	|	|	|	0.65
164.667	0.00	0.03	0.322	O	|	|	|	|	0.68	169.833	0.00	0.03	0.308	O	|	|	|	|	0.65
164.750	0.00	0.03	0.322	O	|	|	|	|	0.68	169.917	0.00	0.03	0.308	O	|	|	|	|	0.65
164.833	0.00	0.03	0.322	O	|	|	|	|	0.68	170.000	0.00	0.03	0.308	O	|	|	|	|	0.65
164.917	0.00	0.03	0.322	O	|	|	|	|	0.68	170.083	0.00	0.03	0.307	O	|	|	|	|	0.65
165.000	0.00	0.03	0.321	O	|	|	|	|	0.68	170.167	0.00	0.03	0.307	O	|	|	|	|	0.65
165.083	0.00	0.03	0.321	O	|	|	|	|	0.68	170.250	0.00	0.03	0.307	O	|	|	|	|	0.65
165.167	0.00	0.03	0.321	O	|	|	|	|	0.68	170.333	0.00	0.03	0.307	O	|	|	|	|	0.65
165.250	0.00	0.03	0.321	O	|	|	|	|	0.68	170.417	0.00	0.03	0.306	O	|	|	|	|	0.65
165.333	0.00	0.03	0.320	O	|	|	|	|	0.68	170.500	0.00	0.03	0.306	O	|	|	|	|	0.65
165.417	0.00	0.03	0.320	O	|	|	|	|	0.68	170.583	0.00	0.03	0.306	O	|	|	|	|	0.65
165.500	0.00	0.03	0.320	O	|	|	|	|	0.67	170.667	0.00	0.03	0.306	O	|	|	|	|	0.65
165.583	0.00	0.03	0.320	O	|	|	|	|	0.67	170.750	0.00	0.03	0.306	O	|	|	|	|	0.64
165.667	0.00	0.03	0.319	O	|	|	|	|	0.67	170.833	0.00	0.03	0.305	O	|	|	|	|	0.64
165.750	0.00	0.03	0.319	O	|	|	|	|	0.67	170.917	0.00	0.03	0.305	O	|	|	|	|	0.64
165.833	0.00	0.03	0.319	O	|	|	|	|	0.67	171.000	0.00	0.03	0.305	O	|	|	|	|	0.64
165.917	0.00	0.03	0.319	O	|	|	|	|	0.67	171.083	0.00	0.03	0.305	O	|	|	|	|	0.64
166.000	0.00	0.03	0.319	O	|	|	|	|	0.67	171.167	0.00	0.03	0.304	O	|	|	|	|	0.64
166.083	0.00	0.03	0.318	O	|	|	|	|	0.67	171.250	0.00	0.03	0.304	O	|	|	|	|	0.64
166.167	0.00	0.03	0.318	O	|	|	|	|	0.67	171.333	0.00	0.03	0.304	O	|	|	|	|	0.64
166.250	0.00	0.03	0.318	O	|	|	|	|	0.67	171.417	0.00	0.03	0.304	O	|	|	|	|	0.64
166.333	0.00	0.03	0.318	O	|	|	|	|	0.67	171.500	0.00	0.03	0.304	O	|	|	|	|	0.64
166.417	0.00	0.03	0.317	O	|	|	|	|	0.67	171.583	0.00	0.03	0.303	O	|	|	|	|	0.64
166.500	0.00	0.03	0.317	O	|	|	|	|	0.67	171.667	0.00	0.03	0.303	O	|	|	|	|	0.64
166.583	0.00	0.03	0.317	O	|	|	|	|	0.67	171.750	0.00	0.03	0.303	O	|	|	|	|	0.64
166.667	0.00	0.03	0.317	O	|	|	|	|	0.67	171.833	0.00	0.03	0.303	O	|	|	|	|	0.64
166.750	0.00	0.03	0.316	O	|	|	|	|	0.67	171.917	0.00	0.03	0.302	O	|	|	|	|	0.64
166.833	0.00	0.03	0.316	O	|	|	|	|	0.67	172.000	0.00	0.03	0.302	O	|	|	|	|	0.64
166.917	0.00	0.03	0.316	O	|	|	|	|	0.67	172.083	0.00	0.03	0.302	O	|	|	|	|	0.64
167.000	0.00	0.03	0.316	O	|	|	|	|	0.67	172.167	0.00	0.03	0.302	O	|	|	|	|	0.64
167.083	0.00	0.03	0.316	O	|	|	|	|	0.67	172.250	0.00	0.03	0.302	O	|	|	|	|	0.64
167.167	0.00	0.03	0.315	O	|	|	|	|	0.67	172.333	0.00	0.03	0.301	O	|	|	|	|	0.64
167.250	0.00	0.03	0.315	O	|	|	|	|	0.66	172.417	0.00	0.03	0.301	O	|	|	|	|	0.64
167.333	0.00	0.03	0.315	O	|	|	|	|	0.66	172.500	0.00	0.03	0.301	O	|	|	|	|	0.63
167.417	0.00	0.03	0.315	O	|	|	|	|	0.66	172.583	0.00	0.03	0.301	O	|	|	|	|	0.63
167.500	0.00	0.03	0.314	O	|	|	|	|	0.66	172.667	0.00	0.03	0.301	O	|	|	|	|	0.63
167.583	0.00	0.03	0.314	O	|	|	|	|	0.66	172.750	0.00	0.03	0.300	O	|	|	|	|	0.63
167.667	0.00	0.03	0.314	O	|	|	|	|	0.66	172.833	0.00	0.03	0.300	O	|	|	|	|	0.63
167.750	0.00	0.03	0.314	O	|	|	|	|	0.66	172.917	0.00	0.03	0.300	O	|	|	|	|	0.63
167.833	0.00	0.03	0.313	O	|	|	|	|	0.66	173.000	0.00	0.03	0.300	O	|	|	|	|	0.63
167.917	0.00	0.03	0.313	O	|	|	|	|	0.66	173.083	0.00	0.03	0.299	O	|	|	|	|	0.63
168.000	0.00	0.03	0.313	O	|	|	|	|	0.66	173.167	0.00	0.03	0.299	O	|	|	|	|	0.63
168.083	0.00	0.03	0.313	O	|	|	|	|	0.66	173.250	0.00	0.03	0.299	O	|	|	|	|	0.63
168.167	0.00	0.03	0.313	O	|	|	|	|	0.66	173.333	0.00	0.03	0.299	O	|	|	|	|	0.63
168.250	0.00	0.03	0.312	O	|	|	|	|	0.66	173.417	0.00	0.03	0.299	O	|	|	|	|	0.63
168.333	0.00	0.03	0.312	O	|	|	|	|	0.66	173.500	0.00	0.03	0.298	O	|	|	|	|	0.63
168.417	0.00	0.03	0.312	O	|	|	|	|	0.66	173.583	0.00	0.03	0.298	O	|	|	|	|	0.63
168.500	0.00	0.03	0.312	O	|	|	|	|	0.66	173.667	0.00	0.03	0.298	O	|	|	|	|	0.63
168.583	0.00	0.03	0.311	O	|	|	|	|	0.66	173.750	0.00	0.03	0.298	O	|	|	|	|	0.63
168.667	0.00	0.03	0.311	O	|	|	|	|	0.66	173.833	0.00	0.03	0.297	O	|	|	|	|	0.63
168.750	0.00	0.03	0.311	O	|	|	|	|	0.66	173.917	0.00	0.03	0.297	O	|	|	|	|	0.63
168.833	0.00	0.03	0.311	O	|	|	|	|	0.66	174.000	0.00	0.03	0.297	O	|	|	|	|	0.63
168.917	0.00	0.03	0.311	O	|	|	|	|	0.66	174.083	0.00	0.03	0.297	O	|	|	|	|	0.63

174.167	0.00	0.03	0.297	O	|	|	|	|	0.63	179.333	0.00	0.03	0.284	O	|	|	|	|	0.60
174.250	0.00	0.03	0.296	O	|	|	|	|	0.63	179.417	0.00	0.03	0.283	O	|	|	|	|	0.60
174.333	0.00	0.03	0.296	O	|	|	|	|	0.62	179.500	0.00	0.03	0.283	O	|	|	|	|	0.60
174.417	0.00	0.03	0.296	O	|	|	|	|	0.62	179.583	0.00	0.03	0.283	O	|	|	|	|	0.60
174.500	0.00	0.03	0.296	O	|	|	|	|	0.62	179.667	0.00	0.03	0.283	O	|	|	|	|	0.60
174.583	0.00	0.03	0.296	O	|	|	|	|	0.62	179.750	0.00	0.03	0.283	O	|	|	|	|	0.60
174.667	0.00	0.03	0.295	O	|	|	|	|	0.62	179.833	0.00	0.03	0.282	O	|	|	|	|	0.60
174.750	0.00	0.03	0.295	O	|	|	|	|	0.62	179.917	0.00	0.03	0.282	O	|	|	|	|	0.60
174.833	0.00	0.03	0.295	O	|	|	|	|	0.62	180.000	0.00	0.03	0.282	O	|	|	|	|	0.59
174.917	0.00	0.03	0.295	O	|	|	|	|	0.62	180.083	0.00	0.03	0.282	O	|	|	|	|	0.59
175.000	0.00	0.03	0.294	O	|	|	|	|	0.62	180.167	0.00	0.03	0.282	O	|	|	|	|	0.59
175.083	0.00	0.03	0.294	O	|	|	|	|	0.62	180.250	0.00	0.03	0.281	O	|	|	|	|	0.59
175.167	0.00	0.03	0.294	O	|	|	|	|	0.62	180.333	0.00	0.03	0.281	O	|	|	|	|	0.59
175.250	0.00	0.03	0.294	O	|	|	|	|	0.62	180.417	0.00	0.03	0.281	O	|	|	|	|	0.59
175.333	0.00	0.03	0.294	O	|	|	|	|	0.62	180.500	0.00	0.03	0.281	O	|	|	|	|	0.59
175.417	0.00	0.03	0.293	O	|	|	|	|	0.62	180.583	0.00	0.03	0.280	O	|	|	|	|	0.59
175.500	0.00	0.03	0.293	O	|	|	|	|	0.62	180.667	0.00	0.03	0.280	O	|	|	|	|	0.59
175.583	0.00	0.03	0.293	O	|	|	|	|	0.62	180.750	0.00	0.03	0.280	O	|	|	|	|	0.59
175.667	0.00	0.03	0.293	O	|	|	|	|	0.62	180.833	0.00	0.03	0.280	O	|	|	|	|	0.59
175.750	0.00	0.03	0.293	O	|	|	|	|	0.62	180.917	0.00	0.03	0.280	O	|	|	|	|	0.59
175.833	0.00	0.03	0.292	O	|	|	|	|	0.62	181.000	0.00	0.03	0.279	O	|	|	|	|	0.59
175.917	0.00	0.03	0.292	O	|	|	|	|	0.62	181.083	0.00	0.03	0.279	O	|	|	|	|	0.59
176.000	0.00	0.03	0.292	O	|	|	|	|	0.62	181.167	0.00	0.03	0.279	O	|	|	|	|	0.59
176.083	0.00	0.03	0.292	O	|	|	|	|	0.62	181.250	0.00	0.03	0.279	O	|	|	|	|	0.59
176.167	0.00	0.03	0.291	O	|	|	|	|	0.61	181.333	0.00	0.03	0.279	O	|	|	|	|	0.59
176.250	0.00	0.03	0.291	O	|	|	|	|	0.61	181.417	0.00	0.03	0.278	O	|	|	|	|	0.59
176.333	0.00	0.03	0.291	O	|	|	|	|	0.61	181.500	0.00	0.03	0.278	O	|	|	|	|	0.59
176.417	0.00	0.03	0.291	O	|	|	|	|	0.61	181.583	0.00	0.03	0.278	O	|	|	|	|	0.59
176.500	0.00	0.03	0.291	O	|	|	|	|	0.61	181.667	0.00	0.03	0.278	O	|	|	|	|	0.59
176.583	0.00	0.03	0.290	O	|	|	|	|	0.61	181.750	0.00	0.03	0.278	O	|	|	|	|	0.59
176.667	0.00	0.03	0.290	O	|	|	|	|	0.61	181.833	0.00	0.03	0.277	O	|	|	|	|	0.59
176.750	0.00	0.03	0.290	O	|	|	|	|	0.61	181.917	0.00	0.03	0.277	O	|	|	|	|	0.58
176.833	0.00	0.03	0.290	O	|	|	|	|	0.61	182.000	0.00	0.03	0.277	O	|	|	|	|	0.58
176.917	0.00	0.03	0.290	O	|	|	|	|	0.61	182.083	0.00	0.03	0.277	O	|	|	|	|	0.58
177.000	0.00	0.03	0.289	O	|	|	|	|	0.61	182.167	0.00	0.03	0.277	O	|	|	|	|	0.58
177.083	0.00	0.03	0.289	O	|	|	|	|	0.61	182.250	0.00	0.03	0.276	O	|	|	|	|	0.58
177.167	0.00	0.03	0.289	O	|	|	|	|	0.61	182.333	0.00	0.03	0.276	O	|	|	|	|	0.58
177.250	0.00	0.03	0.289	O	|	|	|	|	0.61	182.417	0.00	0.03	0.276	O	|	|	|	|	0.58
177.333	0.00	0.03	0.289	O	|	|	|	|	0.61	182.500	0.00	0.03	0.276	O	|	|	|	|	0.58
177.417	0.00	0.03	0.288	O	|	|	|	|	0.61	182.583	0.00	0.03	0.276	O	|	|	|	|	0.58
177.500	0.00	0.03	0.288	O	|	|	|	|	0.61	182.667	0.00	0.03	0.275	O	|	|	|	|	0.58
177.583	0.00	0.03	0.288	O	|	|	|	|	0.61	182.750	0.00	0.03	0.275	O	|	|	|	|	0.58
177.667	0.00	0.03	0.288	O	|	|	|	|	0.61	182.833	0.00	0.03	0.275	O	|	|	|	|	0.58
177.750	0.00	0.03	0.287	O	|	|	|	|	0.61	182.917	0.00	0.03	0.275	O	|	|	|	|	0.58
177.833	0.00	0.03	0.287	O	|	|	|	|	0.61	183.000	0.00	0.03	0.275	O	|	|	|	|	0.58
177.917	0.00	0.03	0.287	O	|	|	|	|	0.61	183.083	0.00	0.03	0.274	O	|	|	|	|	0.58
178.000	0.00	0.03	0.287	O	|	|	|	|	0.61	183.167	0.00	0.03	0.274	O	|	|	|	|	0.58
178.083	0.00	0.03	0.287	O	|	|	|	|	0.60	183.250	0.00	0.03	0.274	O	|	|	|	|	0.58
178.167	0.00	0.03	0.286	O	|	|	|	|	0.60	183.333	0.00	0.03	0.274	O	|	|	|	|	0.58
178.250	0.00	0.03	0.286	O	|	|	|	|	0.60	183.417	0.00	0.03	0.274	O	|	|	|	|	0.58
178.333	0.00	0.03	0.286	O	|	|	|	|	0.60	183.500	0.00	0.03	0.273	O	|	|	|	|	0.58
178.417	0.00	0.03	0.286	O	|	|	|	|	0.60	183.583	0.00	0.03	0.273	O	|	|	|	|	0.58
178.500	0.00	0.03	0.286	O	|	|	|	|	0.60	183.667	0.00	0.03	0.273	O	|	|	|	|	0.58
178.583	0.00	0.03	0.285	O	|	|	|	|	0.60	183.750	0.00	0.03	0.273	O	|	|	|	|	0.58
178.667	0.00	0.03	0.285	O	|	|	|	|	0.60	183.833	0.00	0.03	0.273	O	|	|	|	|	0.58
178.750	0.00	0.03	0.285	O	|	|	|	|	0.60	183.917	0.00	0.03	0.272	O	|	|	|	|	0.57
178.833	0.00	0.03	0.285	O	|	|	|	|	0.60	184.000	0.00	0.03	0.272	O	|	|	|	|	0.57
178.917	0.00	0.03	0.285	O	|	|	|	|	0.60	184.083	0.00	0.03	0.272	O	|	|	|	|	0.57
179.000	0.00	0.03	0.284	O	|	|	|	|	0.60	184.167	0.00	0.03	0.272	O	|	|	|	|	0.57
179.083	0.00	0.03	0.284	O	|	|	|	|	0.60	184.250	0.00	0.03	0.272	O	|	|	|	|	0.57
179.167	0.00	0.03	0.284	O	|	|	|	|	0.60	184.333	0.00	0.03	0.271	O	|	|	|	|	0.57
179.250	0.00	0.03	0.284	O	|	|	|	|	0.60	184.417	0.00	0.03	0.271	O	|	|	|	|	0.57

184.500	0.00	0.03	0.271	O	|	|	|	|	0.57	189.667	0.00	0.03	0.259	O	|	|	|	|	0.55
184.583	0.00	0.03	0.271	O	|	|	|	|	0.57	189.750	0.00	0.03	0.259	O	|	|	|	|	0.55
184.667	0.00	0.03	0.271	O	|	|	|	|	0.57	189.833	0.00	0.03	0.259	O	|	|	|	|	0.55
184.750	0.00	0.03	0.270	O	|	|	|	|	0.57	189.917	0.00	0.03	0.259	O	|	|	|	|	0.55
184.833	0.00	0.03	0.270	O	|	|	|	|	0.57	190.000	0.00	0.03	0.258	O	|	|	|	|	0.55
184.917	0.00	0.03	0.270	O	|	|	|	|	0.57	190.083	0.00	0.03	0.258	O	|	|	|	|	0.54
185.000	0.00	0.03	0.270	O	|	|	|	|	0.57	190.167	0.00	0.03	0.258	O	|	|	|	|	0.54
185.083	0.00	0.03	0.270	O	|	|	|	|	0.57	190.250	0.00	0.03	0.258	O	|	|	|	|	0.54
185.167	0.00	0.03	0.269	O	|	|	|	|	0.57	190.333	0.00	0.03	0.258	O	|	|	|	|	0.54
185.250	0.00	0.03	0.269	O	|	|	|	|	0.57	190.417	0.00	0.03	0.257	O	|	|	|	|	0.54
185.333	0.00	0.03	0.269	O	|	|	|	|	0.57	190.500	0.00	0.03	0.257	O	|	|	|	|	0.54
185.417	0.00	0.03	0.269	O	|	|	|	|	0.57	190.583	0.00	0.03	0.257	O	|	|	|	|	0.54
185.500	0.00	0.03	0.269	O	|	|	|	|	0.57	190.667	0.00	0.03	0.257	O	|	|	|	|	0.54
185.583	0.00	0.03	0.269	O	|	|	|	|	0.57	190.750	0.00	0.03	0.257	O	|	|	|	|	0.54
185.667	0.00	0.03	0.268	O	|	|	|	|	0.57	190.833	0.00	0.03	0.257	O	|	|	|	|	0.54
185.750	0.00	0.03	0.268	O	|	|	|	|	0.57	190.917	0.00	0.03	0.256	O	|	|	|	|	0.54
185.833	0.00	0.03	0.268	O	|	|	|	|	0.57	191.000	0.00	0.03	0.256	O	|	|	|	|	0.54
185.917	0.00	0.03	0.268	O	|	|	|	|	0.56	191.083	0.00	0.03	0.256	O	|	|	|	|	0.54
186.000	0.00	0.03	0.268	O	|	|	|	|	0.56	191.167	0.00	0.03	0.256	O	|	|	|	|	0.54
186.083	0.00	0.03	0.267	O	|	|	|	|	0.56	191.250	0.00	0.03	0.256	O	|	|	|	|	0.54
186.167	0.00	0.03	0.267	O	|	|	|	|	0.56	191.333	0.00	0.03	0.255	O	|	|	|	|	0.54
186.250	0.00	0.03	0.267	O	|	|	|	|	0.56	191.417	0.00	0.03	0.255	O	|	|	|	|	0.54
186.333	0.00	0.03	0.267	O	|	|	|	|	0.56	191.500	0.00	0.03	0.255	O	|	|	|	|	0.54
186.417	0.00	0.03	0.267	O	|	|	|	|	0.56	191.583	0.00	0.03	0.255	O	|	|	|	|	0.54
186.500	0.00	0.03	0.266	O	|	|	|	|	0.56	191.667	0.00	0.03	0.255	O	|	|	|	|	0.54
186.583	0.00	0.03	0.266	O	|	|	|	|	0.56	191.750	0.00	0.03	0.254	O	|	|	|	|	0.54
186.667	0.00	0.03	0.266	O	|	|	|	|	0.56	191.833	0.00	0.03	0.254	O	|	|	|	|	0.54
186.750	0.00	0.03	0.266	O	|	|	|	|	0.56	191.917	0.00	0.03	0.254	O	|	|	|	|	0.54
186.833	0.00	0.03	0.266	O	|	|	|	|	0.56	192.000	0.00	0.03	0.254	O	|	|	|	|	0.54
186.917	0.00	0.03	0.265	O	|	|	|	|	0.56	192.083	0.00	0.03	0.254	O	|	|	|	|	0.54
187.000	0.00	0.03	0.265	O	|	|	|	|	0.56	192.167	0.00	0.03	0.254	O	|	|	|	|	0.53
187.083	0.00	0.03	0.265	O	|	|	|	|	0.56	192.250	0.00	0.03	0.253	O	|	|	|	|	0.53
187.167	0.00	0.03	0.265	O	|	|	|	|	0.56	192.333	0.00	0.03	0.253	O	|	|	|	|	0.53
187.250	0.00	0.03	0.265	O	|	|	|	|	0.56	192.417	0.00	0.03	0.253	O	|	|	|	|	0.53
187.333	0.00	0.03	0.264	O	|	|	|	|	0.56	192.500	0.00	0.03	0.253	O	|	|	|	|	0.53
187.417	0.00	0.03	0.264	O	|	|	|	|	0.56	192.583	0.00	0.03	0.253	O	|	|	|	|	0.53
187.500	0.00	0.03	0.264	O	|	|	|	|	0.56	192.667	0.00	0.03	0.252	O	|	|	|	|	0.53
187.583	0.00	0.03	0.264	O	|	|	|	|	0.56	192.750	0.00	0.03	0.252	O	|	|	|	|	0.53
187.667	0.00	0.03	0.264	O	|	|	|	|	0.56	192.833	0.00	0.03	0.252	O	|	|	|	|	0.53
187.750	0.00	0.03	0.263	O	|	|	|	|	0.56	192.917	0.00	0.03	0.252	O	|	|	|	|	0.53
187.833	0.00	0.03	0.263	O	|	|	|	|	0.56	193.000	0.00	0.03	0.252	O	|	|	|	|	0.53
187.917	0.00	0.03	0.263	O	|	|	|	|	0.56	193.083	0.00	0.03	0.252	O	|	|	|	|	0.53
188.000	0.00	0.03	0.263	O	|	|	|	|	0.55	193.167	0.00	0.03	0.251	O	|	|	|	|	0.53
188.083	0.00	0.03	0.263	O	|	|	|	|	0.55	193.250	0.00	0.03	0.251	O	|	|	|	|	0.53
188.167	0.00	0.03	0.263	O	|	|	|	|	0.55	193.333	0.00	0.03	0.251	O	|	|	|	|	0.53
188.250	0.00	0.03	0.262	O	|	|	|	|	0.55	193.417	0.00	0.03	0.251	O	|	|	|	|	0.53
188.333	0.00	0.03	0.262	O	|	|	|	|	0.55	193.500	0.00	0.03	0.251	O	|	|	|	|	0.53
188.417	0.00	0.03	0.262	O	|	|	|	|	0.55	193.583	0.00	0.03	0.250	O	|	|	|	|	0.53
188.500	0.00	0.03	0.262	O	|	|	|	|	0.55	193.667	0.00	0.03	0.250	O	|	|	|	|	0.53
188.583	0.00	0.03	0.262	O	|	|	|	|	0.55	193.750	0.00	0.03	0.250	O	|	|	|	|	0.53
188.667	0.00	0.03	0.261	O	|	|	|	|	0.55	193.833	0.00	0.03	0.250	O	|	|	|	|	0.53
188.750	0.00	0.03	0.261	O	|	|	|	|	0.55	193.917	0.00	0.03	0.250	O	|	|	|	|	0.53
188.833	0.00	0.03	0.261	O	|	|	|	|	0.55	194.000	0.00	0.03	0.250	O	|	|	|	|	0.53
188.917	0.00	0.03	0.261	O	|	|	|	|	0.55	194.083	0.00	0.03	0.249	O	|	|	|	|	0.53
189.000	0.00	0.03	0.261	O	|	|	|	|	0.55	194.167	0.00	0.03	0.249	O	|	|	|	|	0.53
189.083	0.00	0.03	0.260	O	|	|	|	|	0.55	194.250	0.00	0.03	0.249	O	|	|	|	|	0.53
189.167	0.00	0.03	0.260	O	|	|	|	|	0.55	194.333	0.00	0.03	0.249	O	|	|	|	|	0.52
189.250	0.00	0.03	0.260	O	|	|	|	|	0.55	194.417	0.00	0.03	0.249	O	|	|	|	|	0.52
189.333	0.00	0.03	0.260	O	|	|	|	|	0.55	194.500	0.00	0.03	0.248	O	|	|	|	|	0.52
189.417	0.00	0.03	0.260	O	|	|	|	|	0.55	194.583	0.00	0.03	0.248	O	|	|	|	|	0.52
189.500	0.00	0.03	0.260	O	|	|	|	|	0.55	194.667	0.00	0.03	0.248	O	|	|	|	|	0.52
189.583	0.00	0.03	0.259	O	|	|	|	|	0.55	194.750	0.00	0.03	0.248	O	|	|	|	|	0.52

194.833	0.00	0.03	0.248	O	|	|	|	|	0.52	200.000	0.00	0.02	0.237	O	|	|	|	|	0.50
194.917	0.00	0.03	0.248	O	|	|	|	|	0.52	200.083	0.00	0.02	0.237	O	|	|	|	|	0.50
195.000	0.00	0.03	0.247	O	|	|	|	|	0.52	200.167	0.00	0.02	0.236	O	|	|	|	|	0.50
195.083	0.00	0.03	0.247	O	|	|	|	|	0.52	200.250	0.00	0.02	0.236	O	|	|	|	|	0.50
195.167	0.00	0.03	0.247	O	|	|	|	|	0.52	200.333	0.00	0.02	0.236	O	|	|	|	|	0.50
195.250	0.00	0.03	0.247	O	|	|	|	|	0.52	200.417	0.00	0.02	0.236	O	|	|	|	|	0.50
195.333	0.00	0.03	0.247	O	|	|	|	|	0.52	200.500	0.00	0.02	0.236	O	|	|	|	|	0.50
195.417	0.00	0.03	0.246	O	|	|	|	|	0.52	200.583	0.00	0.02	0.236	O	|	|	|	|	0.50
195.500	0.00	0.03	0.246	O	|	|	|	|	0.52	200.667	0.00	0.02	0.235	O	|	|	|	|	0.50
195.583	0.00	0.03	0.246	O	|	|	|	|	0.52	200.750	0.00	0.02	0.235	O	|	|	|	|	0.50
195.667	0.00	0.03	0.246	O	|	|	|	|	0.52	200.833	0.00	0.02	0.235	O	|	|	|	|	0.50
195.750	0.00	0.03	0.246	O	|	|	|	|	0.52	200.917	0.00	0.02	0.235	O	|	|	|	|	0.50
195.833	0.00	0.03	0.246	O	|	|	|	|	0.52	201.000	0.00	0.02	0.235	O	|	|	|	|	0.50
195.917	0.00	0.03	0.245	O	|	|	|	|	0.52	201.083	0.00	0.02	0.235	O	|	|	|	|	0.49
196.000	0.00	0.03	0.245	O	|	|	|	|	0.52	201.167	0.00	0.02	0.234	O	|	|	|	|	0.49
196.083	0.00	0.03	0.245	O	|	|	|	|	0.52	201.250	0.00	0.02	0.234	O	|	|	|	|	0.49
196.167	0.00	0.03	0.245	O	|	|	|	|	0.52	201.333	0.00	0.02	0.234	O	|	|	|	|	0.49
196.250	0.00	0.03	0.245	O	|	|	|	|	0.52	201.417	0.00	0.02	0.234	O	|	|	|	|	0.49
196.333	0.00	0.03	0.244	O	|	|	|	|	0.52	201.500	0.00	0.02	0.234	O	|	|	|	|	0.49
196.417	0.00	0.03	0.244	O	|	|	|	|	0.52	201.583	0.00	0.02	0.234	O	|	|	|	|	0.49
196.500	0.00	0.03	0.244	O	|	|	|	|	0.52	201.667	0.00	0.02	0.233	O	|	|	|	|	0.49
196.583	0.00	0.03	0.244	O	|	|	|	|	0.51	201.750	0.00	0.02	0.233	O	|	|	|	|	0.49
196.667	0.00	0.03	0.244	O	|	|	|	|	0.51	201.833	0.00	0.02	0.233	O	|	|	|	|	0.49
196.750	0.00	0.03	0.244	O	|	|	|	|	0.51	201.917	0.00	0.02	0.233	O	|	|	|	|	0.49
196.833	0.00	0.03	0.243	O	|	|	|	|	0.51	202.000	0.00	0.02	0.233	O	|	|	|	|	0.49
196.917	0.00	0.03	0.243	O	|	|	|	|	0.51	202.083	0.00	0.02	0.233	O	|	|	|	|	0.49
197.000	0.00	0.03	0.243	O	|	|	|	|	0.51	202.167	0.00	0.02	0.232	O	|	|	|	|	0.49
197.083	0.00	0.03	0.243	O	|	|	|	|	0.51	202.250	0.00	0.02	0.232	O	|	|	|	|	0.49
197.167	0.00	0.03	0.243	O	|	|	|	|	0.51	202.333	0.00	0.02	0.232	O	|	|	|	|	0.49
197.250	0.00	0.03	0.243	O	|	|	|	|	0.51	202.417	0.00	0.02	0.232	O	|	|	|	|	0.49
197.333	0.00	0.03	0.242	O	|	|	|	|	0.51	202.500	0.00	0.02	0.232	O	|	|	|	|	0.49
197.417	0.00	0.03	0.242	O	|	|	|	|	0.51	202.583	0.00	0.02	0.232	O	|	|	|	|	0.49
197.500	0.00	0.03	0.242	O	|	|	|	|	0.51	202.667	0.00	0.02	0.231	O	|	|	|	|	0.49
197.583	0.00	0.03	0.242	O	|	|	|	|	0.51	202.750	0.00	0.02	0.231	O	|	|	|	|	0.49
197.667	0.00	0.03	0.242	O	|	|	|	|	0.51	202.833	0.00	0.02	0.231	O	|	|	|	|	0.49
197.750	0.00	0.03	0.241	O	|	|	|	|	0.51	202.917	0.00	0.02	0.231	O	|	|	|	|	0.49
197.833	0.00	0.03	0.241	O	|	|	|	|	0.51	203.000	0.00	0.02	0.231	O	|	|	|	|	0.49
197.917	0.00	0.03	0.241	O	|	|	|	|	0.51	203.083	0.00	0.02	0.231	O	|	|	|	|	0.49
198.000	0.00	0.03	0.241	O	|	|	|	|	0.51	203.167	0.00	0.02	0.230	O	|	|	|	|	0.49
198.083	0.00	0.03	0.241	O	|	|	|	|	0.51	203.250	0.00	0.02	0.230	O	|	|	|	|	0.49
198.167	0.00	0.03	0.241	O	|	|	|	|	0.51	203.333	0.00	0.02	0.230	O	|	|	|	|	0.49
198.250	0.00	0.03	0.240	O	|	|	|	|	0.51	203.417	0.00	0.02	0.230	O	|	|	|	|	0.48
198.333	0.00	0.03	0.240	O	|	|	|	|	0.51	203.500	0.00	0.02	0.230	O	|	|	|	|	0.48
198.417	0.00	0.03	0.240	O	|	|	|	|	0.51	203.583	0.00	0.02	0.230	O	|	|	|	|	0.48
198.500	0.00	0.03	0.240	O	|	|	|	|	0.51	203.667	0.00	0.02	0.229	O	|	|	|	|	0.48
198.583	0.00	0.03	0.240	O	|	|	|	|	0.51	203.750	0.00	0.02	0.229	O	|	|	|	|	0.48
198.667	0.00	0.03	0.240	O	|	|	|	|	0.51	203.833	0.00	0.02	0.229	O	|	|	|	|	0.48
198.750	0.00	0.03	0.239	O	|	|	|	|	0.51	203.917	0.00	0.02	0.229	O	|	|	|	|	0.48
198.833	0.00	0.03	0.239	O	|	|	|	|	0.50	204.000	0.00	0.02	0.229	O	|	|	|	|	0.48
198.917	0.00	0.03	0.239	O	|	|	|	|	0.50	204.083	0.00	0.02	0.229	O	|	|	|	|	0.48
199.000	0.00	0.03	0.239	O	|	|	|	|	0.50	204.167	0.00	0.02	0.228	O	|	|	|	|	0.48
199.083	0.00	0.03	0.239	O	|	|	|	|	0.50	204.250	0.00	0.02	0.228	O	|	|	|	|	0.48
199.167	0.00	0.03	0.239	O	|	|	|	|	0.50	204.333	0.00	0.02	0.228	O	|	|	|	|	0.48
199.250	0.00	0.03	0.238	O	|	|	|	|	0.50	204.417	0.00	0.02	0.228	O	|	|	|	|	0.48
199.333	0.00	0.03	0.238	O	|	|	|	|	0.50	204.500	0.00	0.02	0.228	O	|	|	|	|	0.48
199.417	0.00	0.03	0.238	O	|	|	|	|	0.50	204.583	0.00	0.02	0.228	O	|	|	|	|	0.48
199.500	0.00	0.03	0.238	O	|	|	|	|	0.50	204.667	0.00	0.02	0.227	O	|	|	|	|	0.48
199.583	0.00	0.03	0.238	O	|	|	|	|	0.50	204.750	0.00	0.02	0.227	O	|	|	|	|	0.48
199.667	0.00	0.03	0.237	O	|	|	|	|	0.50	204.833	0.00	0.02	0.227	O	|	|	|	|	0.48
199.750	0.00	0.03	0.237	O	|	|	|	|	0.50	204.917	0.00	0.02	0.227	O	|	|	|	|	0.48
199.833	0.00	0.03	0.237	O	|	|	|	|	0.50	205.000	0.00	0.02	0.227	O	|	|	|	|	0.48
199.917	0.00	0.02	0.237	O	|	|	|	|	0.50	205.083	0.00	0.02	0.227	O	|	|	|	|	0.48

205.167	0.00	0.02	0.226	O	|	|	|	|	0.48	210.333	0.00	0.02	0.216	O	|	|	|	|	0.46
205.250	0.00	0.02	0.226	O	|	|	|	|	0.48	210.417	0.00	0.02	0.216	O	|	|	|	|	0.46
205.333	0.00	0.02	0.226	O	|	|	|	|	0.48	210.500	0.00	0.02	0.216	O	|	|	|	|	0.46
205.417	0.00	0.02	0.226	O	|	|	|	|	0.48	210.583	0.00	0.02	0.216	O	|	|	|	|	0.46
205.500	0.00	0.02	0.226	O	|	|	|	|	0.48	210.667	0.00	0.02	0.216	O	|	|	|	|	0.46
205.583	0.00	0.02	0.226	O	|	|	|	|	0.48	210.750	0.00	0.02	0.216	O	|	|	|	|	0.45
205.667	0.00	0.02	0.225	O	|	|	|	|	0.48	210.833	0.00	0.02	0.215	O	|	|	|	|	0.45
205.750	0.00	0.02	0.225	O	|	|	|	|	0.48	210.917	0.00	0.02	0.215	O	|	|	|	|	0.45
205.833	0.00	0.02	0.225	O	|	|	|	|	0.47	211.000	0.00	0.02	0.215	O	|	|	|	|	0.45
205.917	0.00	0.02	0.225	O	|	|	|	|	0.47	211.083	0.00	0.02	0.215	O	|	|	|	|	0.45
206.000	0.00	0.02	0.225	O	|	|	|	|	0.47	211.167	0.00	0.02	0.215	O	|	|	|	|	0.45
206.083	0.00	0.02	0.225	O	|	|	|	|	0.47	211.250	0.00	0.02	0.215	O	|	|	|	|	0.45
206.167	0.00	0.02	0.224	O	|	|	|	|	0.47	211.333	0.00	0.02	0.215	O	|	|	|	|	0.45
206.250	0.00	0.02	0.224	O	|	|	|	|	0.47	211.417	0.00	0.02	0.214	O	|	|	|	|	0.45
206.333	0.00	0.02	0.224	O	|	|	|	|	0.47	211.500	0.00	0.02	0.214	O	|	|	|	|	0.45
206.417	0.00	0.02	0.224	O	|	|	|	|	0.47	211.583	0.00	0.02	0.214	O	|	|	|	|	0.45
206.500	0.00	0.02	0.224	O	|	|	|	|	0.47	211.667	0.00	0.02	0.214	O	|	|	|	|	0.45
206.583	0.00	0.02	0.224	O	|	|	|	|	0.47	211.750	0.00	0.02	0.214	O	|	|	|	|	0.45
206.667	0.00	0.02	0.223	O	|	|	|	|	0.47	211.833	0.00	0.02	0.214	O	|	|	|	|	0.45
206.750	0.00	0.02	0.223	O	|	|	|	|	0.47	211.917	0.00	0.02	0.213	O	|	|	|	|	0.45
206.833	0.00	0.02	0.223	O	|	|	|	|	0.47	212.000	0.00	0.02	0.213	O	|	|	|	|	0.45
206.917	0.00	0.02	0.223	O	|	|	|	|	0.47	212.083	0.00	0.02	0.213	O	|	|	|	|	0.45
207.000	0.00	0.02	0.223	O	|	|	|	|	0.47	212.167	0.00	0.02	0.213	O	|	|	|	|	0.45
207.083	0.00	0.02	0.223	O	|	|	|	|	0.47	212.250	0.00	0.02	0.213	O	|	|	|	|	0.45
207.167	0.00	0.02	0.222	O	|	|	|	|	0.47	212.333	0.00	0.02	0.213	O	|	|	|	|	0.45
207.250	0.00	0.02	0.222	O	|	|	|	|	0.47	212.417	0.00	0.02	0.213	O	|	|	|	|	0.45
207.333	0.00	0.02	0.222	O	|	|	|	|	0.47	212.500	0.00	0.02	0.212	O	|	|	|	|	0.45
207.417	0.00	0.02	0.222	O	|	|	|	|	0.47	212.583	0.00	0.02	0.212	O	|	|	|	|	0.45
207.500	0.00	0.02	0.222	O	|	|	|	|	0.47	212.667	0.00	0.02	0.212	O	|	|	|	|	0.45
207.583	0.00	0.02	0.222	O	|	|	|	|	0.47	212.750	0.00	0.02	0.212	O	|	|	|	|	0.45
207.667	0.00	0.02	0.221	O	|	|	|	|	0.47	212.833	0.00	0.02	0.212	O	|	|	|	|	0.45
207.750	0.00	0.02	0.221	O	|	|	|	|	0.47	212.917	0.00	0.02	0.212	O	|	|	|	|	0.45
207.833	0.00	0.02	0.221	O	|	|	|	|	0.47	213.000	0.00	0.02	0.211	O	|	|	|	|	0.45
207.917	0.00	0.02	0.221	O	|	|	|	|	0.47	213.083	0.00	0.02	0.211	O	|	|	|	|	0.45
208.000	0.00	0.02	0.221	O	|	|	|	|	0.47	213.167	0.00	0.02	0.211	O	|	|	|	|	0.45
208.083	0.00	0.02	0.221	O	|	|	|	|	0.47	213.250	0.00	0.02	0.211	O	|	|	|	|	0.45
208.167	0.00	0.02	0.221	O	|	|	|	|	0.47	213.333	0.00	0.02	0.211	O	|	|	|	|	0.44
208.250	0.00	0.02	0.220	O	|	|	|	|	0.46	213.417	0.00	0.02	0.211	O	|	|	|	|	0.44
208.333	0.00	0.02	0.220	O	|	|	|	|	0.46	213.500	0.00	0.02	0.211	O	|	|	|	|	0.44
208.417	0.00	0.02	0.220	O	|	|	|	|	0.46	213.583	0.00	0.02	0.210	O	|	|	|	|	0.44
208.500	0.00	0.02	0.220	O	|	|	|	|	0.46	213.667	0.00	0.02	0.210	O	|	|	|	|	0.44
208.583	0.00	0.02	0.220	O	|	|	|	|	0.46	213.750	0.00	0.02	0.210	O	|	|	|	|	0.44
208.667	0.00	0.02	0.220	O	|	|	|	|	0.46	213.833	0.00	0.02	0.210	O	|	|	|	|	0.44
208.750	0.00	0.02	0.219	O	|	|	|	|	0.46	213.917	0.00	0.02	0.210	O	|	|	|	|	0.44
208.833	0.00	0.02	0.219	O	|	|	|	|	0.46	214.000	0.00	0.02	0.210	O	|	|	|	|	0.44
208.917	0.00	0.02	0.219	O	|	|	|	|	0.46	214.083	0.00	0.02	0.209	O	|	|	|	|	0.44
209.000	0.00	0.02	0.219	O	|	|	|	|	0.46	214.167	0.00	0.02	0.209	O	|	|	|	|	0.44
209.083	0.00	0.02	0.219	O	|	|	|	|	0.46	214.250	0.00	0.02	0.209	O	|	|	|	|	0.44
209.167	0.00	0.02	0.219	O	|	|	|	|	0.46	214.333	0.00	0.02	0.209	O	|	|	|	|	0.44
209.250	0.00	0.02	0.218	O	|	|	|	|	0.46	214.417	0.00	0.02	0.209	O	|	|	|	|	0.44
209.333	0.00	0.02	0.218	O	|	|	|	|	0.46	214.500	0.00	0.02	0.209	O	|	|	|	|	0.44
209.417	0.00	0.02	0.218	O	|	|	|	|	0.46	214.583	0.00	0.02	0.209	O	|	|	|	|	0.44
209.500	0.00	0.02	0.218	O	|	|	|	|	0.46	214.667	0.00	0.02	0.208	O	|	|	|	|	0.44
209.583	0.00	0.02	0.218	O	|	|	|	|	0.46	214.750	0.00	0.02	0.208	O	|	|	|	|	0.44
209.667	0.00	0.02	0.218	O	|	|	|	|	0.46	214.833	0.00	0.02	0.208	O	|	|	|	|	0.44
209.750	0.00	0.02	0.218	O	|	|	|	|	0.46	214.917	0.00	0.02	0.208	O	|	|	|	|	0.44
209.833	0.00	0.02	0.217	O	|	|	|	|	0.46	215.000	0.00	0.02	0.208	O	|	|	|	|	0.44
209.917	0.00	0.02	0.217	O	|	|	|	|	0.46	215.083	0.00	0.02	0.208	O	|	|	|	|	0.44
210.000	0.00	0.02	0.217	O	|	|	|	|	0.46	215.167	0.00	0.02	0.207	O	|	|	|	|	0.44
210.083	0.00	0.02	0.217	O	|	|	|	|	0.46	215.250	0.00	0.02	0.207	O	|	|	|	|	0.44
210.167	0.00	0.02	0.217	O	|	|	|	|	0.46	215.333	0.00	0.02	0.207	O	|	|	|	|	0.44
210.250	0.00	0.02	0.217	O	|	|	|	|	0.46	215.417	0.00	0.02	0.207	O	|	|	|	|	0.44

215.500	0.00	0.02	0.207	O	|	|	|	|	0.44	220.667	0.00	0.02	0.198	O	|	|	|	|	0.42
215.583	0.00	0.02	0.207	O	|	|	|	|	0.44	220.750	0.00	0.02	0.198	O	|	|	|	|	0.42
215.667	0.00	0.02	0.207	O	|	|	|	|	0.44	220.833	0.00	0.02	0.197	O	|	|	|	|	0.42
215.750	0.00	0.02	0.206	O	|	|	|	|	0.44	220.917	0.00	0.02	0.197	O	|	|	|	|	0.42
215.833	0.00	0.02	0.206	O	|	|	|	|	0.44	221.000	0.00	0.02	0.197	O	|	|	|	|	0.42
215.917	0.00	0.02	0.206	O	|	|	|	|	0.43	221.083	0.00	0.02	0.197	O	|	|	|	|	0.42
216.000	0.00	0.02	0.206	O	|	|	|	|	0.43	221.167	0.00	0.02	0.197	O	|	|	|	|	0.42
216.083	0.00	0.02	0.206	O	|	|	|	|	0.43	221.250	0.00	0.02	0.197	O	|	|	|	|	0.42
216.167	0.00	0.02	0.206	O	|	|	|	|	0.43	221.333	0.00	0.02	0.197	O	|	|	|	|	0.41
216.250	0.00	0.02	0.206	O	|	|	|	|	0.43	221.417	0.00	0.02	0.196	O	|	|	|	|	0.41
216.333	0.00	0.02	0.205	O	|	|	|	|	0.43	221.500	0.00	0.02	0.196	O	|	|	|	|	0.41
216.417	0.00	0.02	0.205	O	|	|	|	|	0.43	221.583	0.00	0.02	0.196	O	|	|	|	|	0.41
216.500	0.00	0.02	0.205	O	|	|	|	|	0.43	221.667	0.00	0.02	0.196	O	|	|	|	|	0.41
216.583	0.00	0.02	0.205	O	|	|	|	|	0.43	221.750	0.00	0.02	0.196	O	|	|	|	|	0.41
216.667	0.00	0.02	0.205	O	|	|	|	|	0.43	221.833	0.00	0.02	0.196	O	|	|	|	|	0.41
216.750	0.00	0.02	0.205	O	|	|	|	|	0.43	221.917	0.00	0.02	0.196	O	|	|	|	|	0.41
216.833	0.00	0.02	0.204	O	|	|	|	|	0.43	222.000	0.00	0.02	0.195	O	|	|	|	|	0.41
216.917	0.00	0.02	0.204	O	|	|	|	|	0.43	222.083	0.00	0.02	0.195	O	|	|	|	|	0.41
217.000	0.00	0.02	0.204	O	|	|	|	|	0.43	222.167	0.00	0.02	0.195	O	|	|	|	|	0.41
217.083	0.00	0.02	0.204	O	|	|	|	|	0.43	222.250	0.00	0.02	0.195	O	|	|	|	|	0.41
217.167	0.00	0.02	0.204	O	|	|	|	|	0.43	222.333	0.00	0.02	0.195	O	|	|	|	|	0.41
217.250	0.00	0.02	0.204	O	|	|	|	|	0.43	222.417	0.00	0.02	0.195	O	|	|	|	|	0.41
217.333	0.00	0.02	0.204	O	|	|	|	|	0.43	222.500	0.00	0.02	0.195	O	|	|	|	|	0.41
217.417	0.00	0.02	0.203	O	|	|	|	|	0.43	222.583	0.00	0.02	0.194	O	|	|	|	|	0.41
217.500	0.00	0.02	0.203	O	|	|	|	|	0.43	222.667	0.00	0.02	0.194	O	|	|	|	|	0.41
217.583	0.00	0.02	0.203	O	|	|	|	|	0.43	222.750	0.00	0.02	0.194	O	|	|	|	|	0.41
217.667	0.00	0.02	0.203	O	|	|	|	|	0.43	222.833	0.00	0.02	0.194	O	|	|	|	|	0.41
217.750	0.00	0.02	0.203	O	|	|	|	|	0.43	222.917	0.00	0.02	0.194	O	|	|	|	|	0.41
217.833	0.00	0.02	0.203	O	|	|	|	|	0.43	223.000	0.00	0.02	0.194	O	|	|	|	|	0.41
217.917	0.00	0.02	0.203	O	|	|	|	|	0.43	223.083	0.00	0.02	0.194	O	|	|	|	|	0.41
218.000	0.00	0.02	0.202	O	|	|	|	|	0.43	223.167	0.00	0.02	0.194	O	|	|	|	|	0.41
218.083	0.00	0.02	0.202	O	|	|	|	|	0.43	223.250	0.00	0.02	0.193	O	|	|	|	|	0.41
218.167	0.00	0.02	0.202	O	|	|	|	|	0.43	223.333	0.00	0.02	0.193	O	|	|	|	|	0.41
218.250	0.00	0.02	0.202	O	|	|	|	|	0.43	223.417	0.00	0.02	0.193	O	|	|	|	|	0.41
218.333	0.00	0.02	0.202	O	|	|	|	|	0.43	223.500	0.00	0.02	0.193	O	|	|	|	|	0.41
218.417	0.00	0.02	0.202	O	|	|	|	|	0.43	223.583	0.00	0.02	0.193	O	|	|	|	|	0.41
218.500	0.00	0.02	0.202	O	|	|	|	|	0.43	223.667	0.00	0.02	0.193	O	|	|	|	|	0.41
218.583	0.00	0.02	0.201	O	|	|	|	|	0.42	223.750	0.00	0.02	0.193	O	|	|	|	|	0.41
218.667	0.00	0.02	0.201	O	|	|	|	|	0.42	223.833	0.00	0.02	0.192	O	|	|	|	|	0.41
218.750	0.00	0.02	0.201	O	|	|	|	|	0.42	223.917	0.00	0.02	0.192	O	|	|	|	|	0.41
218.833	0.00	0.02	0.201	O	|	|	|	|	0.42	224.000	0.00	0.02	0.192	O	|	|	|	|	0.41
218.917	0.00	0.02	0.201	O	|	|	|	|	0.42	224.083	0.00	0.02	0.192	O	|	|	|	|	0.40
219.000	0.00	0.02	0.201	O	|	|	|	|	0.42	224.167	0.00	0.02	0.192	O	|	|	|	|	0.40
219.083	0.00	0.02	0.201	O	|	|	|	|	0.42	224.250	0.00	0.02	0.192	O	|	|	|	|	0.40
219.167	0.00	0.02	0.200	O	|	|	|	|	0.42	224.333	0.00	0.02	0.192	O	|	|	|	|	0.40
219.250	0.00	0.02	0.200	O	|	|	|	|	0.42	224.417	0.00	0.02	0.191	O	|	|	|	|	0.40
219.333	0.00	0.02	0.200	O	|	|	|	|	0.42	224.500	0.00	0.02	0.191	O	|	|	|	|	0.40
219.417	0.00	0.02	0.200	O	|	|	|	|	0.42	224.583	0.00	0.02	0.191	O	|	|	|	|	0.40
219.500	0.00	0.02	0.200	O	|	|	|	|	0.42	224.667	0.00	0.02	0.191	O	|	|	|	|	0.40
219.583	0.00	0.02	0.200	O	|	|	|	|	0.42	224.750	0.00	0.02	0.191	O	|	|	|	|	0.40
219.667	0.00	0.02	0.199	O	|	|	|	|	0.42	224.833	0.00	0.02	0.191	O	|	|	|	|	0.40
219.750	0.00	0.02	0.199	O	|	|	|	|	0.42	224.917	0.00	0.02	0.191	O	|	|	|	|	0.40
219.833	0.00	0.02	0.199	O	|	|	|	|	0.42	225.000	0.00	0.02	0.190	O	|	|	|	|	0.40
219.917	0.00	0.02	0.199	O	|	|	|	|	0.42	225.083	0.00	0.02	0.190	O	|	|	|	|	0.40
220.000	0.00	0.02	0.199	O	|	|	|	|	0.42	225.167	0.00	0.02	0.190	O	|	|	|	|	0.40
220.083	0.00	0.02	0.199	O	|	|	|	|	0.42	225.250	0.00	0.02	0.190	O	|	|	|	|	0.40
220.167	0.00	0.02	0.199	O	|	|	|	|	0.42	225.333	0.00	0.02	0.190	O	|	|	|	|	0.40
220.250	0.00	0.02	0.198	O	|	|	|	|	0.42	225.417	0.00	0.02	0.190	O	|	|	|	|	0.40
220.333	0.00	0.02	0.198	O	|	|	|	|	0.42	225.500	0.00	0.02	0.190	O	|	|	|	|	0.40
220.417	0.00	0.02	0.198	O	|	|	|	|	0.42	225.583	0.00	0.02	0.189	O	|	|	|	|	0.40
220.500	0.00	0.02	0.198	O	|	|	|	|	0.42	225.667	0.00	0.02	0.189	O	|	|	|	|	0.40
220.583	0.00	0.02	0.198	O	|	|	|	|	0.42	225.750	0.00	0.02	0.189	O	|	|	|	|	0.40

225.833	0.00	0.02	0.189	O	|	|	|	|	0.40	231.000	0.00	0.02	0.181	O	|	|	|	|	0.38
225.917	0.00	0.02	0.189	O	|	|	|	|	0.40	231.083	0.00	0.02	0.181	O	|	|	|	|	0.38
226.000	0.00	0.02	0.189	O	|	|	|	|	0.40	231.167	0.00	0.02	0.180	O	|	|	|	|	0.38
226.083	0.00	0.02	0.189	O	|	|	|	|	0.40	231.250	0.00	0.02	0.180	O	|	|	|	|	0.38
226.167	0.00	0.02	0.189	O	|	|	|	|	0.40	231.333	0.00	0.02	0.180	O	|	|	|	|	0.38
226.250	0.00	0.02	0.188	O	|	|	|	|	0.40	231.417	0.00	0.02	0.180	O	|	|	|	|	0.38
226.333	0.00	0.02	0.188	O	|	|	|	|	0.40	231.500	0.00	0.02	0.180	O	|	|	|	|	0.38
226.417	0.00	0.02	0.188	O	|	|	|	|	0.40	231.583	0.00	0.02	0.180	O	|	|	|	|	0.38
226.500	0.00	0.02	0.188	O	|	|	|	|	0.40	231.667	0.00	0.02	0.180	O	|	|	|	|	0.38
226.583	0.00	0.02	0.188	O	|	|	|	|	0.40	231.750	0.00	0.02	0.180	O	|	|	|	|	0.38
226.667	0.00	0.02	0.188	O	|	|	|	|	0.40	231.833	0.00	0.02	0.179	O	|	|	|	|	0.38
226.750	0.00	0.02	0.188	O	|	|	|	|	0.40	231.917	0.00	0.02	0.179	O	|	|	|	|	0.38
226.833	0.00	0.02	0.187	O	|	|	|	|	0.40	232.000	0.00	0.02	0.179	O	|	|	|	|	0.38
226.917	0.00	0.02	0.187	O	|	|	|	|	0.40	232.083	0.00	0.02	0.179	O	|	|	|	|	0.38
227.000	0.00	0.02	0.187	O	|	|	|	|	0.39	232.167	0.00	0.02	0.179	O	|	|	|	|	0.38
227.083	0.00	0.02	0.187	O	|	|	|	|	0.39	232.250	0.00	0.02	0.179	O	|	|	|	|	0.38
227.167	0.00	0.02	0.187	O	|	|	|	|	0.39	232.333	0.00	0.02	0.179	O	|	|	|	|	0.38
227.250	0.00	0.02	0.187	O	|	|	|	|	0.39	232.417	0.00	0.02	0.179	O	|	|	|	|	0.38
227.333	0.00	0.02	0.187	O	|	|	|	|	0.39	232.500	0.00	0.02	0.178	O	|	|	|	|	0.38
227.417	0.00	0.02	0.186	O	|	|	|	|	0.39	232.583	0.00	0.02	0.178	O	|	|	|	|	0.38
227.500	0.00	0.02	0.186	O	|	|	|	|	0.39	232.667	0.00	0.02	0.178	O	|	|	|	|	0.38
227.583	0.00	0.02	0.186	O	|	|	|	|	0.39	232.750	0.00	0.02	0.178	O	|	|	|	|	0.38
227.667	0.00	0.02	0.186	O	|	|	|	|	0.39	232.833	0.00	0.02	0.178	O	|	|	|	|	0.38
227.750	0.00	0.02	0.186	O	|	|	|	|	0.39	232.917	0.00	0.02	0.178	O	|	|	|	|	0.37
227.833	0.00	0.02	0.186	O	|	|	|	|	0.39	233.000	0.00	0.02	0.178	O	|	|	|	|	0.37
227.917	0.00	0.02	0.186	O	|	|	|	|	0.39	233.083	0.00	0.02	0.177	O	|	|	|	|	0.37
228.000	0.00	0.02	0.186	O	|	|	|	|	0.39	233.167	0.00	0.02	0.177	O	|	|	|	|	0.37
228.083	0.00	0.02	0.185	O	|	|	|	|	0.39	233.250	0.00	0.02	0.177	O	|	|	|	|	0.37
228.167	0.00	0.02	0.185	O	|	|	|	|	0.39	233.333	0.00	0.02	0.177	O	|	|	|	|	0.37
228.250	0.00	0.02	0.185	O	|	|	|	|	0.39	233.417	0.00	0.02	0.177	O	|	|	|	|	0.37
228.333	0.00	0.02	0.185	O	|	|	|	|	0.39	233.500	0.00	0.02	0.177	O	|	|	|	|	0.37
228.417	0.00	0.02	0.185	O	|	|	|	|	0.39	233.583	0.00	0.02	0.177	O	|	|	|	|	0.37
228.500	0.00	0.02	0.185	O	|	|	|	|	0.39	233.667	0.00	0.02	0.177	O	|	|	|	|	0.37
228.583	0.00	0.02	0.185	O	|	|	|	|	0.39	233.750	0.00	0.02	0.176	O	|	|	|	|	0.37
228.667	0.00	0.02	0.184	O	|	|	|	|	0.39	233.833	0.00	0.02	0.176	O	|	|	|	|	0.37
228.750	0.00	0.02	0.184	O	|	|	|	|	0.39	233.917	0.00	0.02	0.176	O	|	|	|	|	0.37
228.833	0.00	0.02	0.184	O	|	|	|	|	0.39	234.000	0.00	0.02	0.176	O	|	|	|	|	0.37
228.917	0.00	0.02	0.184	O	|	|	|	|	0.39	234.083	0.00	0.02	0.176	O	|	|	|	|	0.37
229.000	0.00	0.02	0.184	O	|	|	|	|	0.39	234.167	0.00	0.02	0.176	O	|	|	|	|	0.37
229.083	0.00	0.02	0.184	O	|	|	|	|	0.39	234.250	0.00	0.02	0.176	O	|	|	|	|	0.37
229.167	0.00	0.02	0.184	O	|	|	|	|	0.39	234.333	0.00	0.02	0.176	O	|	|	|	|	0.37
229.250	0.00	0.02	0.184	O	|	|	|	|	0.39	234.417	0.00	0.02	0.175	O	|	|	|	|	0.37
229.333	0.00	0.02	0.183	O	|	|	|	|	0.39	234.500	0.00	0.02	0.175	O	|	|	|	|	0.37
229.417	0.00	0.02	0.183	O	|	|	|	|	0.39	234.583	0.00	0.02	0.175	O	|	|	|	|	0.37
229.500	0.00	0.02	0.183	O	|	|	|	|	0.39	234.667	0.00	0.02	0.175	O	|	|	|	|	0.37
229.583	0.00	0.02	0.183	O	|	|	|	|	0.39	234.750	0.00	0.02	0.175	O	|	|	|	|	0.37
229.667	0.00	0.02	0.183	O	|	|	|	|	0.39	234.833	0.00	0.02	0.175	O	|	|	|	|	0.37
229.750	0.00	0.02	0.183	O	|	|	|	|	0.39	234.917	0.00	0.02	0.175	O	|	|	|	|	0.37
229.833	0.00	0.02	0.183	O	|	|	|	|	0.39	235.000	0.00	0.02	0.175	O	|	|	|	|	0.37
229.917	0.00	0.02	0.182	O	|	|	|	|	0.38	235.083	0.00	0.02	0.174	O	|	|	|	|	0.37
230.000	0.00	0.02	0.182	O	|	|	|	|	0.38	235.167	0.00	0.02	0.174	O	|	|	|	|	0.37
230.083	0.00	0.02	0.182	O	|	|	|	|	0.38	235.250	0.00	0.02	0.174	O	|	|	|	|	0.37
230.167	0.00	0.02	0.182	O	|	|	|	|	0.38	235.333	0.00	0.02	0.174	O	|	|	|	|	0.37
230.250	0.00	0.02	0.182	O	|	|	|	|	0.38	235.417	0.00	0.02	0.174	O	|	|	|	|	0.37
230.333	0.00	0.02	0.182	O	|	|	|	|	0.38	235.500	0.00	0.02	0.174	O	|	|	|	|	0.37
230.417	0.00	0.02	0.182	O	|	|	|	|	0.38	235.583	0.00	0.02	0.174	O	|	|	|	|	0.37
230.500	0.00	0.02	0.182	O	|	|	|	|	0.38	235.667	0.00	0.02	0.174	O	|	|	|	|	0.37
230.583	0.00	0.02	0.181	O	|	|	|	|	0.38	235.750	0.00	0.02	0.173	O	|	|	|	|	0.37
230.667	0.00	0.02	0.181	O	|	|	|	|	0.38	235.833	0.00	0.02	0.173	O	|	|	|	|	0.37
230.750	0.00	0.02	0.181	O	|	|	|	|	0.38	235.917	0.00	0.02	0.173	O	|	|	|	|	0.37
230.833	0.00	0.02	0.181	O	|	|	|	|	0.38	236.000	0.00	0.02	0.173	O	|	|	|	|	0.37
230.917	0.00	0.02	0.181	O	|	|	|	|	0.38	236.083	0.00	0.02	0.173	O	|	|	|	|	0.36

236.167	0.00	0.02	0.173	O	|	|	|	|	0.36	241.333	0.00	0.02	0.165	O	|	|	|	|	0.35
236.250	0.00	0.02	0.173	O	|	|	|	|	0.36	241.417	0.00	0.02	0.165	O	|	|	|	|	0.35
236.333	0.00	0.02	0.173	O	|	|	|	|	0.36	241.500	0.00	0.02	0.165	O	|	|	|	|	0.35
236.417	0.00	0.02	0.172	O	|	|	|	|	0.36	241.583	0.00	0.02	0.165	O	|	|	|	|	0.35
236.500	0.00	0.02	0.172	O	|	|	|	|	0.36	241.667	0.00	0.02	0.165	O	|	|	|	|	0.35
236.583	0.00	0.02	0.172	O	|	|	|	|	0.36	241.750	0.00	0.02	0.165	O	|	|	|	|	0.35
236.667	0.00	0.02	0.172	O	|	|	|	|	0.36	241.833	0.00	0.02	0.164	O	|	|	|	|	0.35
236.750	0.00	0.02	0.172	O	|	|	|	|	0.36	241.917	0.00	0.02	0.164	O	|	|	|	|	0.35
236.833	0.00	0.02	0.172	O	|	|	|	|	0.36	242.000	0.00	0.02	0.164	O	|	|	|	|	0.35
236.917	0.00	0.02	0.172	O	|	|	|	|	0.36	242.083	0.00	0.02	0.164	O	|	|	|	|	0.35
237.000	0.00	0.02	0.172	O	|	|	|	|	0.36	242.167	0.00	0.02	0.164	O	|	|	|	|	0.35
237.083	0.00	0.02	0.171	O	|	|	|	|	0.36	242.250	0.00	0.02	0.164	O	|	|	|	|	0.35
237.167	0.00	0.02	0.171	O	|	|	|	|	0.36	242.333	0.00	0.02	0.164	O	|	|	|	|	0.35
237.250	0.00	0.02	0.171	O	|	|	|	|	0.36	242.417	0.00	0.02	0.164	O	|	|	|	|	0.35
237.333	0.00	0.02	0.171	O	|	|	|	|	0.36	242.500	0.00	0.02	0.163	O	|	|	|	|	0.34
237.417	0.00	0.02	0.171	O	|	|	|	|	0.36	242.583	0.00	0.02	0.163	O	|	|	|	|	0.34
237.500	0.00	0.02	0.171	O	|	|	|	|	0.36	242.667	0.00	0.02	0.163	O	|	|	|	|	0.34
237.583	0.00	0.02	0.171	O	|	|	|	|	0.36	242.750	0.00	0.02	0.163	O	|	|	|	|	0.34
237.667	0.00	0.02	0.171	O	|	|	|	|	0.36	242.833	0.00	0.02	0.163	O	|	|	|	|	0.34
237.750	0.00	0.02	0.170	O	|	|	|	|	0.36	242.917	0.00	0.02	0.163	O	|	|	|	|	0.34
237.833	0.00	0.02	0.170	O	|	|	|	|	0.36	243.000	0.00	0.02	0.163	O	|	|	|	|	0.34
237.917	0.00	0.02	0.170	O	|	|	|	|	0.36	243.083	0.00	0.02	0.163	O	|	|	|	|	0.34
238.000	0.00	0.02	0.170	O	|	|	|	|	0.36	243.167	0.00	0.02	0.163	O	|	|	|	|	0.34
238.083	0.00	0.02	0.170	O	|	|	|	|	0.36	243.250	0.00	0.02	0.162	O	|	|	|	|	0.34
238.167	0.00	0.02	0.170	O	|	|	|	|	0.36	243.333	0.00	0.02	0.162	O	|	|	|	|	0.34
238.250	0.00	0.02	0.170	O	|	|	|	|	0.36	243.417	0.00	0.02	0.162	O	|	|	|	|	0.34
238.333	0.00	0.02	0.170	O	|	|	|	|	0.36	243.500	0.00	0.02	0.162	O	|	|	|	|	0.34
238.417	0.00	0.02	0.169	O	|	|	|	|	0.36	243.583	0.00	0.02	0.162	O	|	|	|	|	0.34
238.500	0.00	0.02	0.169	O	|	|	|	|	0.36	243.667	0.00	0.02	0.162	O	|	|	|	|	0.34
238.583	0.00	0.02	0.169	O	|	|	|	|	0.36	243.750	0.00	0.02	0.162	O	|	|	|	|	0.34
238.667	0.00	0.02	0.169	O	|	|	|	|	0.36	243.833	0.00	0.02	0.162	O	|	|	|	|	0.34
238.750	0.00	0.02	0.169	O	|	|	|	|	0.36	243.917	0.00	0.02	0.161	O	|	|	|	|	0.34
238.833	0.00	0.02	0.169	O	|	|	|	|	0.36	244.000	0.00	0.02	0.161	O	|	|	|	|	0.34
238.917	0.00	0.02	0.169	O	|	|	|	|	0.36	244.083	0.00	0.02	0.161	O	|	|	|	|	0.34
239.000	0.00	0.02	0.169	O	|	|	|	|	0.36	244.167	0.00	0.02	0.161	O	|	|	|	|	0.34
239.083	0.00	0.02	0.168	O	|	|	|	|	0.36	244.250	0.00	0.02	0.161	O	|	|	|	|	0.34
239.167	0.00	0.02	0.168	O	|	|	|	|	0.36	244.333	0.00	0.02	0.161	O	|	|	|	|	0.34
239.250	0.00	0.02	0.168	O	|	|	|	|	0.35	244.417	0.00	0.02	0.161	O	|	|	|	|	0.34
239.333	0.00	0.02	0.168	O	|	|	|	|	0.35	244.500	0.00	0.02	0.161	O	|	|	|	|	0.34
239.417	0.00	0.02	0.168	O	|	|	|	|	0.35	244.583	0.00	0.02	0.161	O	|	|	|	|	0.34
239.500	0.00	0.02	0.168	O	|	|	|	|	0.35	244.667	0.00	0.02	0.160	O	|	|	|	|	0.34
239.583	0.00	0.02	0.168	O	|	|	|	|	0.35	244.750	0.00	0.02	0.160	O	|	|	|	|	0.34
239.667	0.00	0.02	0.168	O	|	|	|	|	0.35	244.833	0.00	0.02	0.160	O	|	|	|	|	0.34
239.750	0.00	0.02	0.167	O	|	|	|	|	0.35	244.917	0.00	0.02	0.160	O	|	|	|	|	0.34
239.833	0.00	0.02	0.167	O	|	|	|	|	0.35	245.000	0.00	0.02	0.160	O	|	|	|	|	0.34
239.917	0.00	0.02	0.167	O	|	|	|	|	0.35	245.083	0.00	0.02	0.160	O	|	|	|	|	0.34
240.000	0.00	0.02	0.167	O	|	|	|	|	0.35	245.167	0.00	0.02	0.160	O	|	|	|	|	0.34
240.083	0.00	0.02	0.167	O	|	|	|	|	0.35	245.250	0.00	0.02	0.160	O	|	|	|	|	0.34
240.167	0.00	0.02	0.167	O	|	|	|	|	0.35	245.333	0.00	0.02	0.159	O	|	|	|	|	0.34
240.250	0.00	0.02	0.167	O	|	|	|	|	0.35	245.417	0.00	0.02	0.159	O	|	|	|	|	0.34
240.333	0.00	0.02	0.167	O	|	|	|	|	0.35	245.500	0.00	0.02	0.159	O	|	|	|	|	0.34
240.417	0.00	0.02	0.166	O	|	|	|	|	0.35	245.583	0.00	0.02	0.159	O	|	|	|	|	0.34
240.500	0.00	0.02	0.166	O	|	|	|	|	0.35	245.667	0.00	0.02	0.159	O	|	|	|	|	0.34
240.583	0.00	0.02	0.166	O	|	|	|	|	0.35	245.750	0.00	0.02	0.159	O	|	|	|	|	0.34
240.667	0.00	0.02	0.166	O	|	|	|	|	0.35	245.833	0.00	0.02	0.159	O	|	|	|	|	0.34
240.750	0.00	0.02	0.166	O	|	|	|	|	0.35	245.917	0.00	0.02	0.159	O	|	|	|	|	0.33
240.833	0.00	0.02	0.166	O	|	|	|	|	0.35	246.000	0.00	0.02	0.159	O	|	|	|	|	0.33
240.917	0.00	0.02	0.166	O	|	|	|	|	0.35	246.083	0.00	0.02	0.158	O	|	|	|	|	0.33
241.000	0.00	0.02	0.166	O	|	|	|	|	0.35	246.167	0.00	0.02	0.158	O	|	|	|	|	0.33
241.083	0.00	0.02	0.166	O	|	|	|	|	0.35	246.250	0.00	0.02	0.158	O	|	|	|	|	0.33
241.167	0.00	0.02	0.165	O	|	|	|	|	0.35	246.333	0.00	0.02	0.158	O	|	|	|	|	0.33
241.250	0.00	0.02	0.165	O	|	|	|	|	0.35	246.417	0.00	0.02	0.158	O	|	|	|	|	0.33

246.500	0.00	0.02	0.158	O					0.33	251.667	0.00	0.02	0.151	O					0.32
246.583	0.00	0.02	0.158	O					0.33	251.750	0.00	0.02	0.151	O					0.32
246.667	0.00	0.02	0.158	O					0.33	251.833	0.00	0.02	0.151	O					0.32
246.750	0.00	0.02	0.158	O					0.33	251.917	0.00	0.02	0.151	O					0.32
246.833	0.00	0.02	0.157	O					0.33	252.000	0.00	0.02	0.150	O					0.32
246.917	0.00	0.02	0.157	O					0.33	252.083	0.00	0.02	0.150	O					0.32
247.000	0.00	0.02	0.157	O					0.33	252.167	0.00	0.02	0.150	O					0.32
247.083	0.00	0.02	0.157	O					0.33	252.250	0.00	0.02	0.150	O					0.32
247.167	0.00	0.02	0.157	O					0.33	252.333	0.00	0.02	0.150	O					0.32
247.250	0.00	0.02	0.157	O					0.33	252.417	0.00	0.02	0.150	O					0.32
247.333	0.00	0.02	0.157	O					0.33	252.500	0.00	0.02	0.150	O					0.32
247.417	0.00	0.02	0.157	O					0.33	252.583	0.00	0.02	0.150	O					0.32
247.500	0.00	0.02	0.157	O					0.33	252.667	0.00	0.02	0.150	O					0.32
247.583	0.00	0.02	0.156	O					0.33	252.750	0.00	0.02	0.150	O					0.32
247.667	0.00	0.02	0.156	O					0.33	252.833	0.00	0.02	0.149	O					0.32
247.750	0.00	0.02	0.156	O					0.33	252.917	0.00	0.02	0.149	O					0.31
247.833	0.00	0.02	0.156	O					0.33	253.000	0.00	0.02	0.149	O					0.31
247.917	0.00	0.02	0.156	O					0.33	253.083	0.00	0.02	0.149	O					0.31
248.000	0.00	0.02	0.156	O					0.33	253.167	0.00	0.02	0.149	O					0.31
248.083	0.00	0.02	0.156	O					0.33	253.250	0.00	0.02	0.149	O					0.31
248.167	0.00	0.02	0.156	O					0.33	253.333	0.00	0.02	0.149	O					0.31
248.250	0.00	0.02	0.155	O					0.33	253.417	0.00	0.02	0.149	O					0.31
248.333	0.00	0.02	0.155	O					0.33	253.500	0.00	0.02	0.149	O					0.31
248.417	0.00	0.02	0.155	O					0.33	253.583	0.00	0.02	0.148	O					0.31
248.500	0.00	0.02	0.155	O					0.33	253.667	0.00	0.02	0.148	O					0.31
248.583	0.00	0.02	0.155	O					0.33	253.750	0.00	0.02	0.148	O					0.31
248.667	0.00	0.02	0.155	O					0.33	253.833	0.00	0.02	0.148	O					0.31
248.750	0.00	0.02	0.155	O					0.33	253.917	0.00	0.02	0.148	O					0.31
248.833	0.00	0.02	0.155	O					0.33	254.000	0.00	0.02	0.148	O					0.31
248.917	0.00	0.02	0.155	O					0.33	254.083	0.00	0.02	0.148	O					0.31
249.000	0.00	0.02	0.154	O					0.33	254.167	0.00	0.02	0.148	O					0.31
249.083	0.00	0.02	0.154	O					0.33	254.250	0.00	0.02	0.148	O					0.31
249.167	0.00	0.02	0.154	O					0.33	254.333	0.00	0.02	0.147	O					0.31
249.250	0.00	0.02	0.154	O					0.33	254.417	0.00	0.02	0.147	O					0.31
249.333	0.00	0.02	0.154	O					0.32	254.500	0.00	0.02	0.147	O					0.31
249.417	0.00	0.02	0.154	O					0.32	254.583	0.00	0.02	0.147	O					0.31
249.500	0.00	0.02	0.154	O					0.32	254.667	0.00	0.02	0.147	O					0.31
249.583	0.00	0.02	0.154	O					0.32	254.750	0.00	0.02	0.147	O					0.31
249.667	0.00	0.02	0.154	O					0.32	254.833	0.00	0.02	0.147	O					0.31
249.750	0.00	0.02	0.153	O					0.32	254.917	0.00	0.02	0.147	O					0.31
249.833	0.00	0.02	0.153	O					0.32	255.000	0.00	0.02	0.147	O					0.31
249.917	0.00	0.02	0.153	O					0.32	255.083	0.00	0.02	0.147	O					0.31
250.000	0.00	0.02	0.153	O					0.32	255.167	0.00	0.02	0.146	O					0.31
250.083	0.00	0.02	0.153	O					0.32	255.250	0.00	0.02	0.146	O					0.31
250.167	0.00	0.02	0.153	O					0.32	255.333	0.00	0.02	0.146	O					0.31
250.250	0.00	0.02	0.153	O					0.32	255.417	0.00	0.02	0.146	O					0.31
250.333	0.00	0.02	0.153	O					0.32	255.500	0.00	0.02	0.146	O					0.31
250.417	0.00	0.02	0.153	O					0.32	255.583	0.00	0.02	0.146	O					0.31
250.500	0.00	0.02	0.152	O					0.32	255.667	0.00	0.02	0.146	O					0.31
250.583	0.00	0.02	0.152	O					0.32	255.750	0.00	0.02	0.146	O					0.31
250.667	0.00	0.02	0.152	O					0.32	255.833	0.00	0.02	0.146	O					0.31
250.750	0.00	0.02	0.152	O					0.32	255.917	0.00	0.02	0.145	O					0.31
250.833	0.00	0.02	0.152	O					0.32	256.000	0.00	0.02	0.145	O					0.31
250.917	0.00	0.02	0.152	O					0.32	256.083	0.00	0.02	0.145	O					0.31
251.000	0.00	0.02	0.152	O					0.32	256.167	0.00	0.02	0.145	O					0.31
251.083	0.00	0.02	0.152	O					0.32	256.250	0.00	0.02	0.145	O					0.31
251.167	0.00	0.02	0.152	O					0.32	256.333	0.00	0.02	0.145	O					0.31
251.250	0.00	0.02	0.151	O					0.32	256.417	0.00	0.02	0.145	O					0.31
251.333	0.00	0.02	0.151	O					0.32	256.500	0.00	0.02	0.145	O					0.31
251.417	0.00	0.02	0.151	O					0.32	256.583	0.00	0.02	0.145	O					0.31
251.500	0.00	0.02	0.151	O					0.32	256.667	0.00	0.02	0.144	O					0.30
251.583	0.00	0.02	0.151	O					0.32	256.750	0.00	0.02	0.144	O					0.30

256.833	0.00	0.02	0.144	O	|	|	|	|	0.30	262.000	0.00	0.01	0.138	O	|	|	|	|	0.29
256.917	0.00	0.02	0.144	O	|	|	|	|	0.30	262.083	0.00	0.01	0.138	O	|	|	|	|	0.29
257.000	0.00	0.02	0.144	O	|	|	|	|	0.30	262.167	0.00	0.01	0.138	O	|	|	|	|	0.29
257.083	0.00	0.02	0.144	O	|	|	|	|	0.30	262.250	0.00	0.01	0.138	O	|	|	|	|	0.29
257.167	0.00	0.02	0.144	O	|	|	|	|	0.30	262.333	0.00	0.01	0.138	O	|	|	|	|	0.29
257.250	0.00	0.02	0.144	O	|	|	|	|	0.30	262.417	0.00	0.01	0.137	O	|	|	|	|	0.29
257.333	0.00	0.02	0.144	O	|	|	|	|	0.30	262.500	0.00	0.01	0.137	O	|	|	|	|	0.29
257.417	0.00	0.02	0.144	O	|	|	|	|	0.30	262.583	0.00	0.01	0.137	O	|	|	|	|	0.29
257.500	0.00	0.02	0.143	O	|	|	|	|	0.30	262.667	0.00	0.01	0.137	O	|	|	|	|	0.29
257.583	0.00	0.02	0.143	O	|	|	|	|	0.30	262.750	0.00	0.01	0.137	O	|	|	|	|	0.29
257.667	0.00	0.02	0.143	O	|	|	|	|	0.30	262.833	0.00	0.01	0.137	O	|	|	|	|	0.29
257.750	0.00	0.02	0.143	O	|	|	|	|	0.30	262.917	0.00	0.01	0.137	O	|	|	|	|	0.29
257.833	0.00	0.02	0.143	O	|	|	|	|	0.30	263.000	0.00	0.01	0.137	O	|	|	|	|	0.29
257.917	0.00	0.02	0.143	O	|	|	|	|	0.30	263.083	0.00	0.01	0.137	O	|	|	|	|	0.29
258.000	0.00	0.02	0.143	O	|	|	|	|	0.30	263.167	0.00	0.01	0.137	O	|	|	|	|	0.29
258.083	0.00	0.02	0.143	O	|	|	|	|	0.30	263.250	0.00	0.01	0.136	O	|	|	|	|	0.29
258.167	0.00	0.02	0.143	O	|	|	|	|	0.30	263.333	0.00	0.01	0.136	O	|	|	|	|	0.29
258.250	0.00	0.02	0.143	O	|	|	|	|	0.30	263.417	0.00	0.01	0.136	O	|	|	|	|	0.29
258.333	0.00	0.02	0.142	O	|	|	|	|	0.30	263.500	0.00	0.01	0.136	O	|	|	|	|	0.29
258.417	0.00	0.02	0.142	O	|	|	|	|	0.30	263.583	0.00	0.01	0.136	O	|	|	|	|	0.29
258.500	0.00	0.02	0.142	O	|	|	|	|	0.30	263.667	0.00	0.01	0.136	O	|	|	|	|	0.29
258.583	0.00	0.01	0.142	O	|	|	|	|	0.30	263.750	0.00	0.01	0.136	O	|	|	|	|	0.29
258.667	0.00	0.01	0.142	O	|	|	|	|	0.30	263.833	0.00	0.01	0.136	O	|	|	|	|	0.29
258.750	0.00	0.01	0.142	O	|	|	|	|	0.30	263.917	0.00	0.01	0.136	O	|	|	|	|	0.29
258.833	0.00	0.01	0.142	O	|	|	|	|	0.30	264.000	0.00	0.01	0.136	O	|	|	|	|	0.29
258.917	0.00	0.01	0.142	O	|	|	|	|	0.30	264.083	0.00	0.01	0.135	O	|	|	|	|	0.29
259.000	0.00	0.01	0.142	O	|	|	|	|	0.30	264.167	0.00	0.01	0.135	O	|	|	|	|	0.29
259.083	0.00	0.01	0.141	O	|	|	|	|	0.30	264.250	0.00	0.01	0.135	O	|	|	|	|	0.29
259.167	0.00	0.01	0.141	O	|	|	|	|	0.30	264.333	0.00	0.01	0.135	O	|	|	|	|	0.29
259.250	0.00	0.01	0.141	O	|	|	|	|	0.30	264.417	0.00	0.01	0.135	O	|	|	|	|	0.28
259.333	0.00	0.01	0.141	O	|	|	|	|	0.30	264.500	0.00	0.01	0.135	O	|	|	|	|	0.28
259.417	0.00	0.01	0.141	O	|	|	|	|	0.30	264.583	0.00	0.01	0.135	O	|	|	|	|	0.28
259.500	0.00	0.01	0.141	O	|	|	|	|	0.30	264.667	0.00	0.01	0.135	O	|	|	|	|	0.28
259.583	0.00	0.01	0.141	O	|	|	|	|	0.30	264.750	0.00	0.01	0.135	O	|	|	|	|	0.28
259.667	0.00	0.01	0.141	O	|	|	|	|	0.30	264.833	0.00	0.01	0.135	O	|	|	|	|	0.28
259.750	0.00	0.01	0.141	O	|	|	|	|	0.30	264.917	0.00	0.01	0.134	O	|	|	|	|	0.28
259.833	0.00	0.01	0.141	O	|	|	|	|	0.30	265.000	0.00	0.01	0.134	O	|	|	|	|	0.28
259.917	0.00	0.01	0.140	O	|	|	|	|	0.30	265.083	0.00	0.01	0.134	O	|	|	|	|	0.28
260.000	0.00	0.01	0.140	O	|	|	|	|	0.30	265.167	0.00	0.01	0.134	O	|	|	|	|	0.28
260.083	0.00	0.01	0.140	O	|	|	|	|	0.30	265.250	0.00	0.01	0.134	O	|	|	|	|	0.28
260.167	0.00	0.01	0.140	O	|	|	|	|	0.30	265.333	0.00	0.01	0.134	O	|	|	|	|	0.28
260.250	0.00	0.01	0.140	O	|	|	|	|	0.30	265.417	0.00	0.01	0.134	O	|	|	|	|	0.28
260.333	0.00	0.01	0.140	O	|	|	|	|	0.30	265.500	0.00	0.01	0.134	O	|	|	|	|	0.28
260.417	0.00	0.01	0.140	O	|	|	|	|	0.30	265.583	0.00	0.01	0.134	O	|	|	|	|	0.28
260.500	0.00	0.01	0.140	O	|	|	|	|	0.29	265.667	0.00	0.01	0.134	O	|	|	|	|	0.28
260.583	0.00	0.01	0.140	O	|	|	|	|	0.29	265.750	0.00	0.01	0.133	O	|	|	|	|	0.28
260.667	0.00	0.01	0.140	O	|	|	|	|	0.29	265.833	0.00	0.01	0.133	O	|	|	|	|	0.28
260.750	0.00	0.01	0.139	O	|	|	|	|	0.29	265.917	0.00	0.01	0.133	O	|	|	|	|	0.28
260.833	0.00	0.01	0.139	O	|	|	|	|	0.29	266.000	0.00	0.01	0.133	O	|	|	|	|	0.28
260.917	0.00	0.01	0.139	O	|	|	|	|	0.29	266.083	0.00	0.01	0.133	O	|	|	|	|	0.28
261.000	0.00	0.01	0.139	O	|	|	|	|	0.29	266.167	0.00	0.01	0.133	O	|	|	|	|	0.28
261.083	0.00	0.01	0.139	O	|	|	|	|	0.29	266.250	0.00	0.01	0.133	O	|	|	|	|	0.28
261.167	0.00	0.01	0.139	O	|	|	|	|	0.29	266.333	0.00	0.01	0.133	O	|	|	|	|	0.28
261.250	0.00	0.01	0.139	O	|	|	|	|	0.29	266.417	0.00	0.01	0.133	O	|	|	|	|	0.28
261.333	0.00	0.01	0.139	O	|	|	|	|	0.29	266.500	0.00	0.01	0.133	O	|	|	|	|	0.28
261.417	0.00	0.01	0.139	O	|	|	|	|	0.29	266.583	0.00	0.01	0.133	O	|	|	|	|	0.28
261.500	0.00	0.01	0.139	O	|	|	|	|	0.29	266.667	0.00	0.01	0.132	O	|	|	|	|	0.28
261.583	0.00	0.01	0.138	O	|	|	|	|	0.29	266.750	0.00	0.01	0.132	O	|	|	|	|	0.28
261.667	0.00	0.01	0.138	O	|	|	|	|	0.29	266.833	0.00	0.01	0.132	O	|	|	|	|	0.28
261.750	0.00	0.01	0.138	O	|	|	|	|	0.29	266.917	0.00	0.01	0.132	O	|	|	|	|	0.28
261.833	0.00	0.01	0.138	O	|	|	|	|	0.29	267.000	0.00	0.01	0.132	O	|	|	|	|	0.28
261.917	0.00	0.01	0.138	O	|	|	|	|	0.29	267.083	0.00	0.01	0.132	O	|	|	|	|	0.28

267.167	0.00	0.01	0.132	O	|	|	|	|	0.28	272.333	0.00	0.01	0.126	O	|	|	|	|	0.27
267.250	0.00	0.01	0.132	O	|	|	|	|	0.28	272.417	0.00	0.01	0.126	O	|	|	|	|	0.27
267.333	0.00	0.01	0.132	O	|	|	|	|	0.28	272.500	0.00	0.01	0.126	O	|	|	|	|	0.27
267.417	0.00	0.01	0.132	O	|	|	|	|	0.28	272.583	0.00	0.01	0.126	O	|	|	|	|	0.27
267.500	0.00	0.01	0.131	O	|	|	|	|	0.28	272.667	0.00	0.01	0.126	O	|	|	|	|	0.27
267.583	0.00	0.01	0.131	O	|	|	|	|	0.28	272.750	0.00	0.01	0.126	O	|	|	|	|	0.26
267.667	0.00	0.01	0.131	O	|	|	|	|	0.28	272.833	0.00	0.01	0.125	O	|	|	|	|	0.26
267.750	0.00	0.01	0.131	O	|	|	|	|	0.28	272.917	0.00	0.01	0.125	O	|	|	|	|	0.26
267.833	0.00	0.01	0.131	O	|	|	|	|	0.28	273.000	0.00	0.01	0.125	O	|	|	|	|	0.26
267.917	0.00	0.01	0.131	O	|	|	|	|	0.28	273.083	0.00	0.01	0.125	O	|	|	|	|	0.26
268.000	0.00	0.01	0.131	O	|	|	|	|	0.28	273.167	0.00	0.01	0.125	O	|	|	|	|	0.26
268.083	0.00	0.01	0.131	O	|	|	|	|	0.28	273.250	0.00	0.01	0.125	O	|	|	|	|	0.26
268.167	0.00	0.01	0.131	O	|	|	|	|	0.28	273.333	0.00	0.01	0.125	O	|	|	|	|	0.26
268.250	0.00	0.01	0.131	O	|	|	|	|	0.28	273.417	0.00	0.01	0.125	O	|	|	|	|	0.26
268.333	0.00	0.01	0.131	O	|	|	|	|	0.28	273.500	0.00	0.01	0.125	O	|	|	|	|	0.26
268.417	0.00	0.01	0.130	O	|	|	|	|	0.28	273.583	0.00	0.01	0.125	O	|	|	|	|	0.26
268.500	0.00	0.01	0.130	O	|	|	|	|	0.27	273.667	0.00	0.01	0.125	O	|	|	|	|	0.26
268.583	0.00	0.01	0.130	O	|	|	|	|	0.27	273.750	0.00	0.01	0.125	O	|	|	|	|	0.26
268.667	0.00	0.01	0.130	O	|	|	|	|	0.27	273.833	0.00	0.01	0.124	O	|	|	|	|	0.26
268.750	0.00	0.01	0.130	O	|	|	|	|	0.27	273.917	0.00	0.01	0.124	O	|	|	|	|	0.26
268.833	0.00	0.01	0.130	O	|	|	|	|	0.27	274.000	0.00	0.01	0.124	O	|	|	|	|	0.26
268.917	0.00	0.01	0.130	O	|	|	|	|	0.27	274.083	0.00	0.01	0.124	O	|	|	|	|	0.26
269.000	0.00	0.01	0.130	O	|	|	|	|	0.27	274.167	0.00	0.01	0.124	O	|	|	|	|	0.26
269.083	0.00	0.01	0.130	O	|	|	|	|	0.27	274.250	0.00	0.01	0.124	O	|	|	|	|	0.26
269.167	0.00	0.01	0.130	O	|	|	|	|	0.27	274.333	0.00	0.01	0.124	O	|	|	|	|	0.26
269.250	0.00	0.01	0.129	O	|	|	|	|	0.27	274.417	0.00	0.01	0.124	O	|	|	|	|	0.26
269.333	0.00	0.01	0.129	O	|	|	|	|	0.27	274.500	0.00	0.01	0.124	O	|	|	|	|	0.26
269.417	0.00	0.01	0.129	O	|	|	|	|	0.27	274.583	0.00	0.01	0.124	O	|	|	|	|	0.26
269.500	0.00	0.01	0.129	O	|	|	|	|	0.27	274.667	0.00	0.01	0.124	O	|	|	|	|	0.26
269.583	0.00	0.01	0.129	O	|	|	|	|	0.27	274.750	0.00	0.01	0.123	O	|	|	|	|	0.26
269.667	0.00	0.01	0.129	O	|	|	|	|	0.27	274.833	0.00	0.01	0.123	O	|	|	|	|	0.26
269.750	0.00	0.01	0.129	O	|	|	|	|	0.27	274.917	0.00	0.01	0.123	O	|	|	|	|	0.26
269.833	0.00	0.01	0.129	O	|	|	|	|	0.27	275.000	0.00	0.01	0.123	O	|	|	|	|	0.26
269.917	0.00	0.01	0.129	O	|	|	|	|	0.27	275.083	0.00	0.01	0.123	O	|	|	|	|	0.26
270.000	0.00	0.01	0.129	O	|	|	|	|	0.27	275.167	0.00	0.01	0.123	O	|	|	|	|	0.26
270.083	0.00	0.01	0.129	O	|	|	|	|	0.27	275.250	0.00	0.01	0.123	O	|	|	|	|	0.26
270.167	0.00	0.01	0.128	O	|	|	|	|	0.27	275.333	0.00	0.01	0.123	O	|	|	|	|	0.26
270.250	0.00	0.01	0.128	O	|	|	|	|	0.27	275.417	0.00	0.01	0.123	O	|	|	|	|	0.26
270.333	0.00	0.01	0.128	O	|	|	|	|	0.27	275.500	0.00	0.01	0.123	O	|	|	|	|	0.26
270.417	0.00	0.01	0.128	O	|	|	|	|	0.27	275.583	0.00	0.01	0.123	O	|	|	|	|	0.26
270.500	0.00	0.01	0.128	O	|	|	|	|	0.27	275.667	0.00	0.01	0.122	O	|	|	|	|	0.26
270.583	0.00	0.01	0.128	O	|	|	|	|	0.27	275.750	0.00	0.01	0.122	O	|	|	|	|	0.26
270.667	0.00	0.01	0.128	O	|	|	|	|	0.27	275.833	0.00	0.01	0.122	O	|	|	|	|	0.26
270.750	0.00	0.01	0.128	O	|	|	|	|	0.27	275.917	0.00	0.01	0.122	O	|	|	|	|	0.26
270.833	0.00	0.01	0.128	O	|	|	|	|	0.27	276.000	0.00	0.01	0.122	O	|	|	|	|	0.26
270.917	0.00	0.01	0.128	O	|	|	|	|	0.27	276.083	0.00	0.01	0.122	O	|	|	|	|	0.26
271.000	0.00	0.01	0.128	O	|	|	|	|	0.27	276.167	0.00	0.01	0.122	O	|	|	|	|	0.26
271.083	0.00	0.01	0.127	O	|	|	|	|	0.27	276.250	0.00	0.01	0.122	O	|	|	|	|	0.26
271.167	0.00	0.01	0.127	O	|	|	|	|	0.27	276.333	0.00	0.01	0.122	O	|	|	|	|	0.26
271.250	0.00	0.01	0.127	O	|	|	|	|	0.27	276.417	0.00	0.01	0.122	O	|	|	|	|	0.26
271.333	0.00	0.01	0.127	O	|	|	|	|	0.27	276.500	0.00	0.01	0.122	O	|	|	|	|	0.26
271.417	0.00	0.01	0.127	O	|	|	|	|	0.27	276.583	0.00	0.01	0.121	O	|	|	|	|	0.26
271.500	0.00	0.01	0.127	O	|	|	|	|	0.27	276.667	0.00	0.01	0.121	O	|	|	|	|	0.26
271.583	0.00	0.01	0.127	O	|	|	|	|	0.27	276.750	0.00	0.01	0.121	O	|	|	|	|	0.26
271.667	0.00	0.01	0.127	O	|	|	|	|	0.27	276.833	0.00	0.01	0.121	O	|	|	|	|	0.26
271.750	0.00	0.01	0.127	O	|	|	|	|	0.27	276.917	0.00	0.01	0.121	O	|	|	|	|	0.26
271.833	0.00	0.01	0.127	O	|	|	|	|	0.27	277.000	0.00	0.01	0.121	O	|	|	|	|	0.26
271.917	0.00	0.01	0.127	O	|	|	|	|	0.27	277.083	0.00	0.01	0.121	O	|	|	|	|	0.26
272.000	0.00	0.01	0.126	O	|	|	|	|	0.27	277.167	0.00	0.01	0.121	O	|	|	|	|	0.25
272.083	0.00	0.01	0.126	O	|	|	|	|	0.27	277.250	0.00	0.01	0.121	O	|	|	|	|	0.25
272.167	0.00	0.01	0.126	O	|	|	|	|	0.27	277.333	0.00	0.01	0.121	O	|	|	|	|	0.25
272.250	0.00	0.01	0.126	O	|	|	|	|	0.27	277.417	0.00	0.01	0.121	O	|	|	|	|	0.25

277.500	0.00	0.01	0.120	O					0.25	282.667	0.00	0.01	0.115	O					0.24
277.583	0.00	0.01	0.120	O					0.25	282.750	0.00	0.01	0.115	O					0.24
277.667	0.00	0.01	0.120	O					0.25	282.833	0.00	0.01	0.115	O					0.24
277.750	0.00	0.01	0.120	O					0.25	282.917	0.00	0.01	0.115	O					0.24
277.833	0.00	0.01	0.120	O					0.25	283.000	0.00	0.01	0.115	O					0.24
277.917	0.00	0.01	0.120	O					0.25	283.083	0.00	0.01	0.115	O					0.24
278.000	0.00	0.01	0.120	O					0.25	283.167	0.00	0.01	0.115	O					0.24
278.083	0.00	0.01	0.120	O					0.25	283.250	0.00	0.01	0.115	O					0.24
278.167	0.00	0.01	0.120	O					0.25	283.333	0.00	0.01	0.115	O					0.24
278.250	0.00	0.01	0.120	O					0.25	283.417	0.00	0.01	0.114	O					0.24
278.333	0.00	0.01	0.120	O					0.25	283.500	0.00	0.01	0.114	O					0.24
278.417	0.00	0.01	0.120	O					0.25	283.583	0.00	0.01	0.114	O					0.24
278.500	0.00	0.01	0.119	O					0.25	283.667	0.00	0.01	0.114	O					0.24
278.583	0.00	0.01	0.119	O					0.25	283.750	0.00	0.01	0.114	O					0.24
278.667	0.00	0.01	0.119	O					0.25	283.833	0.00	0.01	0.114	O					0.24
278.750	0.00	0.01	0.119	O					0.25	283.917	0.00	0.01	0.114	O					0.24
278.833	0.00	0.01	0.119	O					0.25	284.000	0.00	0.01	0.114	O					0.24
278.917	0.00	0.01	0.119	O					0.25	284.083	0.00	0.01	0.114	O					0.24
279.000	0.00	0.01	0.119	O					0.25	284.167	0.00	0.01	0.114	O					0.24
279.083	0.00	0.01	0.119	O					0.25	284.250	0.00	0.01	0.114	O					0.24
279.167	0.00	0.01	0.119	O					0.25	284.333	0.00	0.01	0.114	O					0.24
279.250	0.00	0.01	0.119	O					0.25	284.417	0.00	0.01	0.113	O					0.24
279.333	0.00	0.01	0.119	O					0.25	284.500	0.00	0.01	0.113	O					0.24
279.417	0.00	0.01	0.118	O					0.25	284.583	0.00	0.01	0.113	O					0.24
279.500	0.00	0.01	0.118	O					0.25	284.667	0.00	0.01	0.113	O					0.24
279.583	0.00	0.01	0.118	O					0.25	284.750	0.00	0.01	0.113	O					0.24
279.667	0.00	0.01	0.118	O					0.25	284.833	0.00	0.01	0.113	O					0.24
279.750	0.00	0.01	0.118	O					0.25	284.917	0.00	0.01	0.113	O					0.24
279.833	0.00	0.01	0.118	O					0.25	285.000	0.00	0.01	0.113	O					0.24
279.917	0.00	0.01	0.118	O					0.25	285.083	0.00	0.01	0.113	O					0.24
280.000	0.00	0.01	0.118	O					0.25	285.167	0.00	0.01	0.113	O					0.24
280.083	0.00	0.01	0.118	O					0.25	285.250	0.00	0.01	0.113	O					0.24
280.167	0.00	0.01	0.118	O					0.25	285.333	0.00	0.01	0.113	O					0.24
280.250	0.00	0.01	0.118	O					0.25	285.417	0.00	0.01	0.112	O					0.24
280.333	0.00	0.01	0.118	O					0.25	285.500	0.00	0.01	0.112	O					0.24
280.417	0.00	0.01	0.117	O					0.25	285.583	0.00	0.01	0.112	O					0.24
280.500	0.00	0.01	0.117	O					0.25	285.667	0.00	0.01	0.112	O					0.24
280.583	0.00	0.01	0.117	O					0.25	285.750	0.00	0.01	0.112	O					0.24
280.667	0.00	0.01	0.117	O					0.25	285.833	0.00	0.01	0.112	O					0.24
280.750	0.00	0.01	0.117	O					0.25	285.917	0.00	0.01	0.112	O					0.24
280.833	0.00	0.01	0.117	O					0.25	286.000	0.00	0.01	0.112	O					0.24
280.917	0.00	0.01	0.117	O					0.25	286.083	0.00	0.01	0.112	O					0.24
281.000	0.00	0.01	0.117	O					0.25	286.167	0.00	0.01	0.112	O					0.24
281.083	0.00	0.01	0.117	O					0.25	286.250	0.00	0.01	0.112	O					0.24
281.167	0.00	0.01	0.117	O					0.25	286.333	0.00	0.01	0.112	O					0.24
281.250	0.00	0.01	0.117	O					0.25	286.417	0.00	0.01	0.111	O					0.24
281.333	0.00	0.01	0.117	O					0.25	286.500	0.00	0.01	0.111	O					0.24
281.417	0.00	0.01	0.116	O					0.25	286.583	0.00	0.01	0.111	O					0.23
281.500	0.00	0.01	0.116	O					0.25	286.667	0.00	0.01	0.111	O					0.23
281.583	0.00	0.01	0.116	O					0.25	286.750	0.00	0.01	0.111	O					0.23
281.667	0.00	0.01	0.116	O					0.25	286.833	0.00	0.01	0.111	O					0.23
281.750	0.00	0.01	0.116	O					0.24	286.917	0.00	0.01	0.111	O					0.23
281.833	0.00	0.01	0.116	O					0.24	287.000	0.00	0.01	0.111	O					0.23
281.917	0.00	0.01	0.116	O					0.24	287.083	0.00	0.01	0.111	O					0.23
282.000	0.00	0.01	0.116	O					0.24	287.167	0.00	0.01	0.111	O					0.23
282.083	0.00	0.01	0.116	O					0.24	287.250	0.00	0.01	0.111	O					0.23
282.167	0.00	0.01	0.116	O					0.24	287.333	0.00	0.01	0.111	O					0.23
282.250	0.00	0.01	0.116	O					0.24	287.417	0.00	0.01	0.111	O					0.23
282.333	0.00	0.01	0.116	O					0.24	287.500	0.00	0.01	0.110	O					0.23
282.417	0.00	0.01	0.115	O					0.24	287.583	0.00	0.01	0.110	O					0.23
282.500	0.00	0.01	0.115	O					0.24	287.667	0.00	0.01	0.110	O					0.23
282.583	0.00	0.01	0.115	O					0.24	287.750	0.00	0.01	0.110	O					0.23

287.833	0.00	0.01	0.110	O					0.23	293.000	0.00	0.01	0.105	O					0.22
287.917	0.00	0.01	0.110	O					0.23	293.083	0.00	0.01	0.105	O					0.22
288.000	0.00	0.01	0.110	O					0.23	293.167	0.00	0.01	0.105	O					0.22
288.083	0.00	0.01	0.110	O					0.23	293.250	0.00	0.01	0.105	O					0.22
288.167	0.00	0.01	0.110	O					0.23	293.333	0.00	0.01	0.105	O					0.22
288.250	0.00	0.01	0.110	O					0.23	293.417	0.00	0.01	0.105	O					0.22
288.333	0.00	0.01	0.110	O					0.23	293.500	0.00	0.01	0.105	O					0.22
288.417	0.00	0.01	0.110	O					0.23	293.583	0.00	0.01	0.105	O					0.22
288.500	0.00	0.01	0.109	O					0.23	293.667	0.00	0.01	0.105	O					0.22
288.583	0.00	0.01	0.109	O					0.23	293.750	0.00	0.01	0.105	O					0.22
288.667	0.00	0.01	0.109	O					0.23	293.833	0.00	0.01	0.105	O					0.22
288.750	0.00	0.01	0.109	O					0.23	293.917	0.00	0.01	0.104	O					0.22
288.833	0.00	0.01	0.109	O					0.23	294.000	0.00	0.01	0.104	O					0.22
288.917	0.00	0.01	0.109	O					0.23	294.083	0.00	0.01	0.104	O					0.22
289.000	0.00	0.01	0.109	O					0.23	294.167	0.00	0.01	0.104	O					0.22
289.083	0.00	0.01	0.109	O					0.23	294.250	0.00	0.01	0.104	O					0.22
289.167	0.00	0.01	0.109	O					0.23	294.333	0.00	0.01	0.104	O					0.22
289.250	0.00	0.01	0.109	O					0.23	294.417	0.00	0.01	0.104	O					0.22
289.333	0.00	0.01	0.109	O					0.23	294.500	0.00	0.01	0.104	O					0.22
289.417	0.00	0.01	0.109	O					0.23	294.583	0.00	0.01	0.104	O					0.22
289.500	0.00	0.01	0.109	O					0.23	294.667	0.00	0.01	0.104	O					0.22
289.583	0.00	0.01	0.108	O					0.23	294.750	0.00	0.01	0.104	O					0.22
289.667	0.00	0.01	0.108	O					0.23	294.833	0.00	0.01	0.104	O					0.22
289.750	0.00	0.01	0.108	O					0.23	294.917	0.00	0.01	0.104	O					0.22
289.833	0.00	0.01	0.108	O					0.23	295.000	0.00	0.01	0.103	O					0.22
289.917	0.00	0.01	0.108	O					0.23	295.083	0.00	0.01	0.103	O					0.22
290.000	0.00	0.01	0.108	O					0.23	295.167	0.00	0.01	0.103	O					0.22
290.083	0.00	0.01	0.108	O					0.23	295.250	0.00	0.01	0.103	O					0.22
290.167	0.00	0.01	0.108	O					0.23	295.333	0.00	0.01	0.103	O					0.22
290.250	0.00	0.01	0.108	O					0.23	295.417	0.00	0.01	0.103	O					0.22
290.333	0.00	0.01	0.108	O					0.23	295.500	0.00	0.01	0.103	O					0.22
290.417	0.00	0.01	0.108	O					0.23	295.583	0.00	0.01	0.103	O					0.22
290.500	0.00	0.01	0.108	O					0.23	295.667	0.00	0.01	0.103	O					0.22
290.583	0.00	0.01	0.108	O					0.23	295.750	0.00	0.01	0.103	O					0.22
290.667	0.00	0.01	0.107	O					0.23	295.833	0.00	0.01	0.103	O					0.22
290.750	0.00	0.01	0.107	O					0.23	295.917	0.00	0.01	0.103	O					0.22
290.833	0.00	0.01	0.107	O					0.23	296.000	0.00	0.01	0.103	O					0.22
290.917	0.00	0.01	0.107	O					0.23	296.083	0.00	0.01	0.102	O					0.22
291.000	0.00	0.01	0.107	O					0.23	296.167	0.00	0.01	0.102	O					0.22
291.083	0.00	0.01	0.107	O					0.23	296.250	0.00	0.01	0.102	O					0.22
291.167	0.00	0.01	0.107	O					0.23	296.333	0.00	0.01	0.102	O					0.22
291.250	0.00	0.01	0.107	O					0.23	296.417	0.00	0.01	0.102	O					0.22
291.333	0.00	0.01	0.107	O					0.23	296.500	0.00	0.01	0.102	O					0.22
291.417	0.00	0.01	0.107	O					0.23	296.583	0.00	0.01	0.102	O					0.22
291.500	0.00	0.01	0.107	O					0.23	296.667	0.00	0.01	0.102	O					0.22
291.583	0.00	0.01	0.107	O					0.22	296.750	0.00	0.01	0.102	O					0.21
291.667	0.00	0.01	0.106	O					0.22	296.833	0.00	0.01	0.102	O					0.21
291.750	0.00	0.01	0.106	O					0.22	296.917	0.00	0.01	0.102	O					0.21
291.833	0.00	0.01	0.106	O					0.22	297.000	0.00	0.01	0.102	O					0.21
291.917	0.00	0.01	0.106	O					0.22	297.083	0.00	0.01	0.102	O					0.21
292.000	0.00	0.01	0.106	O					0.22	297.167	0.00	0.01	0.102	O					0.21
292.083	0.00	0.01	0.106	O					0.22	297.250	0.00	0.01	0.101	O					0.21
292.167	0.00	0.01	0.106	O					0.22	297.333	0.00	0.01	0.101	O					0.21
292.250	0.00	0.01	0.106	O					0.22	297.417	0.00	0.01	0.101	O					0.21
292.333	0.00	0.01	0.106	O					0.22	297.500	0.00	0.01	0.101	O					0.21
292.417	0.00	0.01	0.106	O					0.22	297.583	0.00	0.01	0.101	O					0.21
292.500	0.00	0.01	0.106	O					0.22	297.667	0.00	0.01	0.101	O					0.21
292.583	0.00	0.01	0.106	O					0.22	297.750	0.00	0.01	0.101	O					0.21
292.667	0.00	0.01	0.106	O					0.22	297.833	0.00	0.01	0.101	O					0.21
292.750	0.00	0.01	0.105	O					0.22	297.917	0.00	0.01	0.101	O					0.21
292.833	0.00	0.01	0.105	O					0.22	298.000	0.00	0.01	0.101	O					0.21
292.917	0.00	0.01	0.105	O					0.22	298.083	0.00	0.01	0.101	O					0.21

298.167	0.00	0.01	0.101	O	|	|	|	|	0.21	303.333	0.00	0.01	0.096	O	|	|	|	|	0.20
298.250	0.00	0.01	0.101	O	|	|	|	|	0.21	303.417	0.00	0.01	0.096	O	|	|	|	|	0.20
298.333	0.00	0.01	0.100	O	|	|	|	|	0.21	303.500	0.00	0.01	0.096	O	|	|	|	|	0.20
298.417	0.00	0.01	0.100	O	|	|	|	|	0.21	303.583	0.00	0.01	0.096	O	|	|	|	|	0.20
298.500	0.00	0.01	0.100	O	|	|	|	|	0.21	303.667	0.00	0.01	0.096	O	|	|	|	|	0.20
298.583	0.00	0.01	0.100	O	|	|	|	|	0.21	303.750	0.00	0.01	0.096	O	|	|	|	|	0.20
298.667	0.00	0.01	0.100	O	|	|	|	|	0.21	303.833	0.00	0.01	0.096	O	|	|	|	|	0.20
298.750	0.00	0.01	0.100	O	|	|	|	|	0.21	303.917	0.00	0.01	0.096	O	|	|	|	|	0.20
298.833	0.00	0.01	0.100	O	|	|	|	|	0.21	304.000	0.00	0.01	0.096	O	|	|	|	|	0.20
298.917	0.00	0.01	0.100	O	|	|	|	|	0.21	304.083	0.00	0.01	0.096	O	|	|	|	|	0.20
299.000	0.00	0.01	0.100	O	|	|	|	|	0.21	304.167	0.00	0.01	0.096	O	|	|	|	|	0.20
299.083	0.00	0.01	0.100	O	|	|	|	|	0.21	304.250	0.00	0.01	0.095	O	|	|	|	|	0.20
299.167	0.00	0.01	0.100	O	|	|	|	|	0.21	304.333	0.00	0.01	0.095	O	|	|	|	|	0.20
299.250	0.00	0.01	0.100	O	|	|	|	|	0.21	304.417	0.00	0.01	0.095	O	|	|	|	|	0.20
299.333	0.00	0.01	0.100	O	|	|	|	|	0.21	304.500	0.00	0.01	0.095	O	|	|	|	|	0.20
299.417	0.00	0.01	0.100	O	|	|	|	|	0.21	304.583	0.00	0.01	0.095	O	|	|	|	|	0.20
299.500	0.00	0.01	0.099	O	|	|	|	|	0.21	304.667	0.00	0.01	0.095	O	|	|	|	|	0.20
299.583	0.00	0.01	0.099	O	|	|	|	|	0.21	304.750	0.00	0.01	0.095	O	|	|	|	|	0.20
299.667	0.00	0.01	0.099	O	|	|	|	|	0.21	304.833	0.00	0.01	0.095	O	|	|	|	|	0.20
299.750	0.00	0.01	0.099	O	|	|	|	|	0.21	304.917	0.00	0.01	0.095	O	|	|	|	|	0.20
299.833	0.00	0.01	0.099	O	|	|	|	|	0.21	305.000	0.00	0.01	0.095	O	|	|	|	|	0.20
299.917	0.00	0.01	0.099	O	|	|	|	|	0.21	305.083	0.00	0.01	0.095	O	|	|	|	|	0.20
300.000	0.00	0.01	0.099	O	|	|	|	|	0.21	305.167	0.00	0.01	0.095	O	|	|	|	|	0.20
300.083	0.00	0.01	0.099	O	|	|	|	|	0.21	305.250	0.00	0.01	0.095	O	|	|	|	|	0.20
300.167	0.00	0.01	0.099	O	|	|	|	|	0.21	305.333	0.00	0.01	0.095	O	|	|	|	|	0.20
300.250	0.00	0.01	0.099	O	|	|	|	|	0.21	305.417	0.00	0.01	0.094	O	|	|	|	|	0.20
300.333	0.00	0.01	0.099	O	|	|	|	|	0.21	305.500	0.00	0.01	0.094	O	|	|	|	|	0.20
300.417	0.00	0.01	0.099	O	|	|	|	|	0.21	305.583	0.00	0.01	0.094	O	|	|	|	|	0.20
300.500	0.00	0.01	0.099	O	|	|	|	|	0.21	305.667	0.00	0.01	0.094	O	|	|	|	|	0.20
300.583	0.00	0.01	0.099	O	|	|	|	|	0.21	305.750	0.00	0.01	0.094	O	|	|	|	|	0.20
300.667	0.00	0.01	0.098	O	|	|	|	|	0.21	305.833	0.00	0.01	0.094	O	|	|	|	|	0.20
300.750	0.00	0.01	0.098	O	|	|	|	|	0.21	305.917	0.00	0.01	0.094	O	|	|	|	|	0.20
300.833	0.00	0.01	0.098	O	|	|	|	|	0.21	306.000	0.00	0.01	0.094	O	|	|	|	|	0.20
300.917	0.00	0.01	0.098	O	|	|	|	|	0.21	306.083	0.00	0.01	0.094	O	|	|	|	|	0.20
301.000	0.00	0.01	0.098	O	|	|	|	|	0.21	306.167	0.00	0.01	0.094	O	|	|	|	|	0.20
301.083	0.00	0.01	0.098	O	|	|	|	|	0.21	306.250	0.00	0.01	0.094	O	|	|	|	|	0.20
301.167	0.00	0.01	0.098	O	|	|	|	|	0.21	306.333	0.00	0.01	0.094	O	|	|	|	|	0.20
301.250	0.00	0.01	0.098	O	|	|	|	|	0.21	306.417	0.00	0.01	0.094	O	|	|	|	|	0.20
301.333	0.00	0.01	0.098	O	|	|	|	|	0.21	306.500	0.00	0.01	0.094	O	|	|	|	|	0.20
301.417	0.00	0.01	0.098	O	|	|	|	|	0.21	306.583	0.00	0.01	0.094	O	|	|	|	|	0.20
301.500	0.00	0.01	0.098	O	|	|	|	|	0.21	306.667	0.00	0.01	0.093	O	|	|	|	|	0.20
301.583	0.00	0.01	0.098	O	|	|	|	|	0.21	306.750	0.00	0.01	0.093	O	|	|	|	|	0.20
301.667	0.00	0.01	0.098	O	|	|	|	|	0.21	306.833	0.00	0.01	0.093	O	|	|	|	|	0.20
301.750	0.00	0.01	0.098	O	|	|	|	|	0.21	306.917	0.00	0.01	0.093	O	|	|	|	|	0.20
301.833	0.00	0.01	0.097	O	|	|	|	|	0.21	307.000	0.00	0.01	0.093	O	|	|	|	|	0.20
301.917	0.00	0.01	0.097	O	|	|	|	|	0.21	307.083	0.00	0.01	0.093	O	|	|	|	|	0.20
302.000	0.00	0.01	0.097	O	|	|	|	|	0.21	307.167	0.00	0.01	0.093	O	|	|	|	|	0.20
302.083	0.00	0.01	0.097	O	|	|	|	|	0.21	307.250	0.00	0.01	0.093	O	|	|	|	|	0.20
302.167	0.00	0.01	0.097	O	|	|	|	|	0.21	307.333	0.00	0.01	0.093	O	|	|	|	|	0.20
302.250	0.00	0.01	0.097	O	|	|	|	|	0.20	307.417	0.00	0.01	0.093	O	|	|	|	|	0.20
302.333	0.00	0.01	0.097	O	|	|	|	|	0.20	307.500	0.00	0.01	0.093	O	|	|	|	|	0.20
302.417	0.00	0.01	0.097	O	|	|	|	|	0.20	307.583	0.00	0.01	0.093	O	|	|	|	|	0.20
302.500	0.00	0.01	0.097	O	|	|	|	|	0.20	307.667	0.00	0.01	0.093	O	|	|	|	|	0.20
302.583	0.00	0.01	0.097	O	|	|	|	|	0.20	307.750	0.00	0.01	0.093	O	|	|	|	|	0.20
302.667	0.00	0.01	0.097	O	|	|	|	|	0.20	307.833	0.00	0.01	0.092	O	|	|	|	|	0.20
302.750	0.00	0.01	0.097	O	|	|	|	|	0.20	307.917	0.00	0.01	0.092	O	|	|	|	|	0.20
302.833	0.00	0.01	0.097	O	|	|	|	|	0.20	308.000	0.00	0.01	0.092	O	|	|	|	|	0.19
302.917	0.00	0.01	0.097	O	|	|	|	|	0.20	308.083	0.00	0.01	0.092	O	|	|	|	|	0.19
303.000	0.00	0.01	0.096	O	|	|	|	|	0.20	308.167	0.00	0.01	0.092	O	|	|	|	|	0.19
303.083	0.00	0.01	0.096	O	|	|	|	|	0.20	308.250	0.00	0.01	0.092	O	|	|	|	|	0.19
303.167	0.00	0.01	0.096	O	|	|	|	|	0.20	308.333	0.00	0.01	0.092	O	|	|	|	|	0.19
303.250	0.00	0.01	0.096	O	|	|	|	|	0.20	308.417	0.00	0.01	0.092	O	|	|	|	|	0.19

308.500	0.00	0.01	0.092	O	|	|	|	|	0.19	313.667	0.00	0.01	0.088	O	|	|	|	|	0.19
308.583	0.00	0.01	0.092	O	|	|	|	|	0.19	313.750	0.00	0.01	0.088	O	|	|	|	|	0.19
308.667	0.00	0.01	0.092	O	|	|	|	|	0.19	313.833	0.00	0.01	0.088	O	|	|	|	|	0.19
308.750	0.00	0.01	0.092	O	|	|	|	|	0.19	313.917	0.00	0.01	0.088	O	|	|	|	|	0.19
308.833	0.00	0.01	0.092	O	|	|	|	|	0.19	314.000	0.00	0.01	0.088	O	|	|	|	|	0.18
308.917	0.00	0.01	0.092	O	|	|	|	|	0.19	314.083	0.00	0.01	0.088	O	|	|	|	|	0.18
309.000	0.00	0.01	0.092	O	|	|	|	|	0.19	314.167	0.00	0.01	0.088	O	|	|	|	|	0.18
309.083	0.00	0.01	0.091	O	|	|	|	|	0.19	314.250	0.00	0.01	0.087	O	|	|	|	|	0.18
309.167	0.00	0.01	0.091	O	|	|	|	|	0.19	314.333	0.00	0.01	0.087	O	|	|	|	|	0.18
309.250	0.00	0.01	0.091	O	|	|	|	|	0.19	314.417	0.00	0.01	0.087	O	|	|	|	|	0.18
309.333	0.00	0.01	0.091	O	|	|	|	|	0.19	314.500	0.00	0.01	0.087	O	|	|	|	|	0.18
309.417	0.00	0.01	0.091	O	|	|	|	|	0.19	314.583	0.00	0.01	0.087	O	|	|	|	|	0.18
309.500	0.00	0.01	0.091	O	|	|	|	|	0.19	314.667	0.00	0.01	0.087	O	|	|	|	|	0.18
309.583	0.00	0.01	0.091	O	|	|	|	|	0.19	314.750	0.00	0.01	0.087	O	|	|	|	|	0.18
309.667	0.00	0.01	0.091	O	|	|	|	|	0.19	314.833	0.00	0.01	0.087	O	|	|	|	|	0.18
309.750	0.00	0.01	0.091	O	|	|	|	|	0.19	314.917	0.00	0.01	0.087	O	|	|	|	|	0.18
309.833	0.00	0.01	0.091	O	|	|	|	|	0.19	315.000	0.00	0.01	0.087	O	|	|	|	|	0.18
309.917	0.00	0.01	0.091	O	|	|	|	|	0.19	315.083	0.00	0.01	0.087	O	|	|	|	|	0.18
310.000	0.00	0.01	0.091	O	|	|	|	|	0.19	315.167	0.00	0.01	0.087	O	|	|	|	|	0.18
310.083	0.00	0.01	0.091	O	|	|	|	|	0.19	315.250	0.00	0.01	0.087	O	|	|	|	|	0.18
310.167	0.00	0.01	0.091	O	|	|	|	|	0.19	315.333	0.00	0.01	0.087	O	|	|	|	|	0.18
310.250	0.00	0.01	0.091	O	|	|	|	|	0.19	315.417	0.00	0.01	0.087	O	|	|	|	|	0.18
310.333	0.00	0.01	0.091	O	|	|	|	|	0.19	315.500	0.00	0.01	0.087	O	|	|	|	|	0.18
310.417	0.00	0.01	0.090	O	|	|	|	|	0.19	315.583	0.00	0.01	0.086	O	|	|	|	|	0.18
310.500	0.00	0.01	0.090	O	|	|	|	|	0.19	315.667	0.00	0.01	0.086	O	|	|	|	|	0.18
310.583	0.00	0.01	0.090	O	|	|	|	|	0.19	315.750	0.00	0.01	0.086	O	|	|	|	|	0.18
310.667	0.00	0.01	0.090	O	|	|	|	|	0.19	315.833	0.00	0.01	0.086	O	|	|	|	|	0.18
310.750	0.00	0.01	0.090	O	|	|	|	|	0.19	315.917	0.00	0.01	0.086	O	|	|	|	|	0.18
310.833	0.00	0.01	0.090	O	|	|	|	|	0.19	316.000	0.00	0.01	0.086	O	|	|	|	|	0.18
310.917	0.00	0.01	0.090	O	|	|	|	|	0.19	316.083	0.00	0.01	0.086	O	|	|	|	|	0.18
311.000	0.00	0.01	0.090	O	|	|	|	|	0.19	316.167	0.00	0.01	0.086	O	|	|	|	|	0.18
311.083	0.00	0.01	0.090	O	|	|	|	|	0.19	316.250	0.00	0.01	0.086	O	|	|	|	|	0.18
311.167	0.00	0.01	0.090	O	|	|	|	|	0.19	316.333	0.00	0.01	0.086	O	|	|	|	|	0.18
311.250	0.00	0.01	0.090	O	|	|	|	|	0.19	316.417	0.00	0.01	0.086	O	|	|	|	|	0.18
311.333	0.00	0.01	0.090	O	|	|	|	|	0.19	316.500	0.00	0.01	0.086	O	|	|	|	|	0.18
311.417	0.00	0.01	0.090	O	|	|	|	|	0.19	316.583	0.00	0.01	0.086	O	|	|	|	|	0.18
311.500	0.00	0.01	0.090	O	|	|	|	|	0.19	316.667	0.00	0.01	0.086	O	|	|	|	|	0.18
311.583	0.00	0.01	0.090	O	|	|	|	|	0.19	316.750	0.00	0.01	0.086	O	|	|	|	|	0.18
311.667	0.00	0.01	0.089	O	|	|	|	|	0.19	316.833	0.00	0.01	0.086	O	|	|	|	|	0.18
311.750	0.00	0.01	0.089	O	|	|	|	|	0.19	316.917	0.00	0.01	0.085	O	|	|	|	|	0.18
311.833	0.00	0.01	0.089	O	|	|	|	|	0.19	317.000	0.00	0.01	0.085	O	|	|	|	|	0.18
311.917	0.00	0.01	0.089	O	|	|	|	|	0.19	317.083	0.00	0.01	0.085	O	|	|	|	|	0.18
312.000	0.00	0.01	0.089	O	|	|	|	|	0.19	317.167	0.00	0.01	0.085	O	|	|	|	|	0.18
312.083	0.00	0.01	0.089	O	|	|	|	|	0.19	317.250	0.00	0.01	0.085	O	|	|	|	|	0.18
312.167	0.00	0.01	0.089	O	|	|	|	|	0.19	317.333	0.00	0.01	0.085	O	|	|	|	|	0.18
312.250	0.00	0.01	0.089	O	|	|	|	|	0.19	317.417	0.00	0.01	0.085	O	|	|	|	|	0.18
312.333	0.00	0.01	0.089	O	|	|	|	|	0.19	317.500	0.00	0.01	0.085	O	|	|	|	|	0.18
312.417	0.00	0.01	0.089	O	|	|	|	|	0.19	317.583	0.00	0.01	0.085	O	|	|	|	|	0.18
312.500	0.00	0.01	0.089	O	|	|	|	|	0.19	317.667	0.00	0.01	0.085	O	|	|	|	|	0.18
312.583	0.00	0.01	0.089	O	|	|	|	|	0.19	317.750	0.00	0.01	0.085	O	|	|	|	|	0.18
312.667	0.00	0.01	0.089	O	|	|	|	|	0.19	317.833	0.00	0.01	0.085	O	|	|	|	|	0.18
312.750	0.00	0.01	0.089	O	|	|	|	|	0.19	317.917	0.00	0.01	0.085	O	|	|	|	|	0.18
312.833	0.00	0.01	0.089	O	|	|	|	|	0.19	318.000	0.00	0.01	0.085	O	|	|	|	|	0.18
312.917	0.00	0.01	0.088	O	|	|	|	|	0.19	318.083	0.00	0.01	0.085	O	|	|	|	|	0.18
313.000	0.00	0.01	0.088	O	|	|	|	|	0.19	318.167	0.00	0.01	0.085	O	|	|	|	|	0.18
313.083	0.00	0.01	0.088	O	|	|	|	|	0.19	318.250	0.00	0.01	0.084	O	|	|	|	|	0.18
313.167	0.00	0.01	0.088	O	|	|	|	|	0.19	318.333	0.00	0.01	0.084	O	|	|	|	|	0.18
313.250	0.00	0.01	0.088	O	|	|	|	|	0.19	318.417	0.00	0.01	0.084	O	|	|	|	|	0.18
313.333	0.00	0.01	0.088	O	|	|	|	|	0.19	318.500	0.00	0.01	0.084	O	|	|	|	|	0.18
313.417	0.00	0.01	0.088	O	|	|	|	|	0.19	318.583	0.00	0.01	0.084	O	|	|	|	|	0.18
313.500	0.00	0.01	0.088	O	|	|	|	|	0.19	318.667	0.00	0.01	0.084	O	|	|	|	|	0.18
313.583	0.00	0.01	0.088	O	|	|	|	|	0.19	318.750	0.00	0.01	0.084	O	|	|	|	|	0.18

318.833	0.00	0.01	0.084	O	|	|	|	|	0.18	324.000	0.00	0.01	0.080	O	|	|	|	|	0.17
318.917	0.00	0.01	0.084	O	|	|	|	|	0.18	324.083	0.00	0.01	0.080	O	|	|	|	|	0.17
319.000	0.00	0.01	0.084	O	|	|	|	|	0.18	324.167	0.00	0.01	0.080	O	|	|	|	|	0.17
319.083	0.00	0.01	0.084	O	|	|	|	|	0.18	324.250	0.00	0.01	0.080	O	|	|	|	|	0.17
319.167	0.00	0.01	0.084	O	|	|	|	|	0.18	324.333	0.00	0.01	0.080	O	|	|	|	|	0.17
319.250	0.00	0.01	0.084	O	|	|	|	|	0.18	324.417	0.00	0.01	0.080	O	|	|	|	|	0.17
319.333	0.00	0.01	0.084	O	|	|	|	|	0.18	324.500	0.00	0.01	0.080	O	|	|	|	|	0.17
319.417	0.00	0.01	0.084	O	|	|	|	|	0.18	324.583	0.00	0.01	0.080	O	|	|	|	|	0.17
319.500	0.00	0.01	0.084	O	|	|	|	|	0.18	324.667	0.00	0.01	0.080	O	|	|	|	|	0.17
319.583	0.00	0.01	0.083	O	|	|	|	|	0.18	324.750	0.00	0.01	0.080	O	|	|	|	|	0.17
319.667	0.00	0.01	0.083	O	|	|	|	|	0.18	324.833	0.00	0.01	0.080	O	|	|	|	|	0.17
319.750	0.00	0.01	0.083	O	|	|	|	|	0.18	324.917	0.00	0.01	0.080	O	|	|	|	|	0.17
319.833	0.00	0.01	0.083	O	|	|	|	|	0.18	325.000	0.00	0.01	0.080	O	|	|	|	|	0.17
319.917	0.00	0.01	0.083	O	|	|	|	|	0.18	325.083	0.00	0.01	0.080	O	|	|	|	|	0.17
320.000	0.00	0.01	0.083	O	|	|	|	|	0.18	325.167	0.00	0.01	0.080	O	|	|	|	|	0.17
320.083	0.00	0.01	0.083	O	|	|	|	|	0.18	325.250	0.00	0.01	0.079	O	|	|	|	|	0.17
320.167	0.00	0.01	0.083	O	|	|	|	|	0.18	325.333	0.00	0.01	0.079	O	|	|	|	|	0.17
320.250	0.00	0.01	0.083	O	|	|	|	|	0.18	325.417	0.00	0.01	0.079	O	|	|	|	|	0.17
320.333	0.00	0.01	0.083	O	|	|	|	|	0.17	325.500	0.00	0.01	0.079	O	|	|	|	|	0.17
320.417	0.00	0.01	0.083	O	|	|	|	|	0.17	325.583	0.00	0.01	0.079	O	|	|	|	|	0.17
320.500	0.00	0.01	0.083	O	|	|	|	|	0.17	325.667	0.00	0.01	0.079	O	|	|	|	|	0.17
320.583	0.00	0.01	0.083	O	|	|	|	|	0.17	325.750	0.00	0.01	0.079	O	|	|	|	|	0.17
320.667	0.00	0.01	0.083	O	|	|	|	|	0.17	325.833	0.00	0.01	0.079	O	|	|	|	|	0.17
320.750	0.00	0.01	0.083	O	|	|	|	|	0.17	325.917	0.00	0.01	0.079	O	|	|	|	|	0.17
320.833	0.00	0.01	0.083	O	|	|	|	|	0.17	326.000	0.00	0.01	0.079	O	|	|	|	|	0.17
320.917	0.00	0.01	0.083	O	|	|	|	|	0.17	326.083	0.00	0.01	0.079	O	|	|	|	|	0.17
321.000	0.00	0.01	0.082	O	|	|	|	|	0.17	326.167	0.00	0.01	0.079	O	|	|	|	|	0.17
321.083	0.00	0.01	0.082	O	|	|	|	|	0.17	326.250	0.00	0.01	0.079	O	|	|	|	|	0.17
321.167	0.00	0.01	0.082	O	|	|	|	|	0.17	326.333	0.00	0.01	0.079	O	|	|	|	|	0.17
321.250	0.00	0.01	0.082	O	|	|	|	|	0.17	326.417	0.00	0.01	0.079	O	|	|	|	|	0.17
321.333	0.00	0.01	0.082	O	|	|	|	|	0.17	326.500	0.00	0.01	0.079	O	|	|	|	|	0.17
321.417	0.00	0.01	0.082	O	|	|	|	|	0.17	326.583	0.00	0.01	0.079	O	|	|	|	|	0.17
321.500	0.00	0.01	0.082	O	|	|	|	|	0.17	326.667	0.00	0.01	0.078	O	|	|	|	|	0.17
321.583	0.00	0.01	0.082	O	|	|	|	|	0.17	326.750	0.00	0.01	0.078	O	|	|	|	|	0.17
321.667	0.00	0.01	0.082	O	|	|	|	|	0.17	326.833	0.00	0.01	0.078	O	|	|	|	|	0.17
321.750	0.00	0.01	0.082	O	|	|	|	|	0.17	326.917	0.00	0.01	0.078	O	|	|	|	|	0.17
321.833	0.00	0.01	0.082	O	|	|	|	|	0.17	327.000	0.00	0.01	0.078	O	|	|	|	|	0.17
321.917	0.00	0.01	0.082	O	|	|	|	|	0.17	327.083	0.00	0.01	0.078	O	|	|	|	|	0.16
322.000	0.00	0.01	0.082	O	|	|	|	|	0.17	327.167	0.00	0.01	0.078	O	|	|	|	|	0.16
322.083	0.00	0.01	0.082	O	|	|	|	|	0.17	327.250	0.00	0.01	0.078	O	|	|	|	|	0.16
322.167	0.00	0.01	0.082	O	|	|	|	|	0.17	327.333	0.00	0.01	0.078	O	|	|	|	|	0.16
322.250	0.00	0.01	0.082	O	|	|	|	|	0.17	327.417	0.00	0.01	0.078	O	|	|	|	|	0.16
322.333	0.00	0.01	0.082	O	|	|	|	|	0.17	327.500	0.00	0.01	0.078	O	|	|	|	|	0.16
322.417	0.00	0.01	0.081	O	|	|	|	|	0.17	327.583	0.00	0.01	0.078	O	|	|	|	|	0.16
322.500	0.00	0.01	0.081	O	|	|	|	|	0.17	327.667	0.00	0.01	0.078	O	|	|	|	|	0.16
322.583	0.00	0.01	0.081	O	|	|	|	|	0.17	327.750	0.00	0.01	0.078	O	|	|	|	|	0.16
322.667	0.00	0.01	0.081	O	|	|	|	|	0.17	327.833	0.00	0.01	0.078	O	|	|	|	|	0.16
322.750	0.00	0.01	0.081	O	|	|	|	|	0.17	327.917	0.00	0.01	0.078	O	|	|	|	|	0.16
322.833	0.00	0.01	0.081	O	|	|	|	|	0.17	328.000	0.00	0.01	0.078	O	|	|	|	|	0.16
322.917	0.00	0.01	0.081	O	|	|	|	|	0.17	328.083	0.00	0.01	0.078	O	|	|	|	|	0.16
323.000	0.00	0.01	0.081	O	|	|	|	|	0.17	328.167	0.00	0.01	0.077	O	|	|	|	|	0.16
323.083	0.00	0.01	0.081	O	|	|	|	|	0.17	328.250	0.00	0.01	0.077	O	|	|	|	|	0.16
323.167	0.00	0.01	0.081	O	|	|	|	|	0.17	328.333	0.00	0.01	0.077	O	|	|	|	|	0.16
323.250	0.00	0.01	0.081	O	|	|	|	|	0.17	328.417	0.00	0.01	0.077	O	|	|	|	|	0.16
323.333	0.00	0.01	0.081	O	|	|	|	|	0.17	328.500	0.00	0.01	0.077	O	|	|	|	|	0.16
323.417	0.00	0.01	0.081	O	|	|	|	|	0.17	328.583	0.00	0.01	0.077	O	|	|	|	|	0.16
323.500	0.00	0.01	0.081	O	|	|	|	|	0.17	328.667	0.00	0.01	0.077	O	|	|	|	|	0.16
323.583	0.00	0.01	0.081	O	|	|	|	|	0.17	328.750	0.00	0.01	0.077	O	|	|	|	|	0.16
323.667	0.00	0.01	0.081	O	|	|	|	|	0.17	328.833	0.00	0.01	0.077	O	|	|	|	|	0.16
323.750	0.00	0.01	0.081	O	|	|	|	|	0.17	328.917	0.00	0.01	0.077	O	|	|	|	|	0.16
323.833	0.00	0.01	0.080	O	|	|	|	|	0.17	329.000	0.00	0.01	0.077	O	|	|	|	|	0.16
323.917	0.00	0.01	0.080	O	|	|	|	|	0.17	329.083	0.00	0.01	0.077	O	|	|	|	|	0.16

329.167	0.00	0.01	0.077	O	|	|	|	|	0.16	334.333	0.00	0.01	0.073	O	|	|	|	|	0.15
329.250	0.00	0.01	0.077	O	|	|	|	|	0.16	334.417	0.00	0.01	0.073	O	|	|	|	|	0.15
329.333	0.00	0.01	0.077	O	|	|	|	|	0.16	334.500	0.00	0.01	0.073	O	|	|	|	|	0.15
329.417	0.00	0.01	0.077	O	|	|	|	|	0.16	334.583	0.00	0.01	0.073	O	|	|	|	|	0.15
329.500	0.00	0.01	0.077	O	|	|	|	|	0.16	334.667	0.00	0.01	0.073	O	|	|	|	|	0.15
329.583	0.00	0.01	0.077	O	|	|	|	|	0.16	334.750	0.00	0.01	0.073	O	|	|	|	|	0.15
329.667	0.00	0.01	0.076	O	|	|	|	|	0.16	334.833	0.00	0.01	0.073	O	|	|	|	|	0.15
329.750	0.00	0.01	0.076	O	|	|	|	|	0.16	334.917	0.00	0.01	0.073	O	|	|	|	|	0.15
329.833	0.00	0.01	0.076	O	|	|	|	|	0.16	335.000	0.00	0.01	0.073	O	|	|	|	|	0.15
329.917	0.00	0.01	0.076	O	|	|	|	|	0.16	335.083	0.00	0.01	0.073	O	|	|	|	|	0.15
330.000	0.00	0.01	0.076	O	|	|	|	|	0.16	335.167	0.00	0.01	0.073	O	|	|	|	|	0.15
330.083	0.00	0.01	0.076	O	|	|	|	|	0.16	335.250	0.00	0.01	0.073	O	|	|	|	|	0.15
330.167	0.00	0.01	0.076	O	|	|	|	|	0.16	335.333	0.00	0.01	0.073	O	|	|	|	|	0.15
330.250	0.00	0.01	0.076	O	|	|	|	|	0.16	335.417	0.00	0.01	0.073	O	|	|	|	|	0.15
330.333	0.00	0.01	0.076	O	|	|	|	|	0.16	335.500	0.00	0.01	0.073	O	|	|	|	|	0.15
330.417	0.00	0.01	0.076	O	|	|	|	|	0.16	335.583	0.00	0.01	0.073	O	|	|	|	|	0.15
330.500	0.00	0.01	0.076	O	|	|	|	|	0.16	335.667	0.00	0.01	0.073	O	|	|	|	|	0.15
330.583	0.00	0.01	0.076	O	|	|	|	|	0.16	335.750	0.00	0.01	0.073	O	|	|	|	|	0.15
330.667	0.00	0.01	0.076	O	|	|	|	|	0.16	335.833	0.00	0.01	0.072	O	|	|	|	|	0.15
330.750	0.00	0.01	0.076	O	|	|	|	|	0.16	335.917	0.00	0.01	0.072	O	|	|	|	|	0.15
330.833	0.00	0.01	0.076	O	|	|	|	|	0.16	336.000	0.00	0.01	0.072	O	|	|	|	|	0.15
330.917	0.00	0.01	0.076	O	|	|	|	|	0.16	336.083	0.00	0.01	0.072	O	|	|	|	|	0.15
331.000	0.00	0.01	0.076	O	|	|	|	|	0.16	336.167	0.00	0.01	0.072	O	|	|	|	|	0.15
331.083	0.00	0.01	0.076	O	|	|	|	|	0.16	336.250	0.00	0.01	0.072	O	|	|	|	|	0.15
331.167	0.00	0.01	0.075	O	|	|	|	|	0.16	336.333	0.00	0.01	0.072	O	|	|	|	|	0.15
331.250	0.00	0.01	0.075	O	|	|	|	|	0.16	336.417	0.00	0.01	0.072	O	|	|	|	|	0.15
331.333	0.00	0.01	0.075	O	|	|	|	|	0.16	336.500	0.00	0.01	0.072	O	|	|	|	|	0.15
331.417	0.00	0.01	0.075	O	|	|	|	|	0.16	336.583	0.00	0.01	0.072	O	|	|	|	|	0.15
331.500	0.00	0.01	0.075	O	|	|	|	|	0.16	336.667	0.00	0.01	0.072	O	|	|	|	|	0.15
331.583	0.00	0.01	0.075	O	|	|	|	|	0.16	336.750	0.00	0.01	0.072	O	|	|	|	|	0.15
331.667	0.00	0.01	0.075	O	|	|	|	|	0.16	336.833	0.00	0.01	0.072	O	|	|	|	|	0.15
331.750	0.00	0.01	0.075	O	|	|	|	|	0.16	336.917	0.00	0.01	0.072	O	|	|	|	|	0.15
331.833	0.00	0.01	0.075	O	|	|	|	|	0.16	337.000	0.00	0.01	0.072	O	|	|	|	|	0.15
331.917	0.00	0.01	0.075	O	|	|	|	|	0.16	337.083	0.00	0.01	0.072	O	|	|	|	|	0.15
332.000	0.00	0.01	0.075	O	|	|	|	|	0.16	337.167	0.00	0.01	0.072	O	|	|	|	|	0.15
332.083	0.00	0.01	0.075	O	|	|	|	|	0.16	337.250	0.00	0.01	0.072	O	|	|	|	|	0.15
332.167	0.00	0.01	0.075	O	|	|	|	|	0.16	337.333	0.00	0.01	0.072	O	|	|	|	|	0.15
332.250	0.00	0.01	0.075	O	|	|	|	|	0.16	337.417	0.00	0.01	0.071	O	|	|	|	|	0.15
332.333	0.00	0.01	0.075	O	|	|	|	|	0.16	337.500	0.00	0.01	0.071	O	|	|	|	|	0.15
332.417	0.00	0.01	0.075	O	|	|	|	|	0.16	337.583	0.00	0.01	0.071	O	|	|	|	|	0.15
332.500	0.00	0.01	0.075	O	|	|	|	|	0.16	337.667	0.00	0.01	0.071	O	|	|	|	|	0.15
332.583	0.00	0.01	0.075	O	|	|	|	|	0.16	337.750	0.00	0.01	0.071	O	|	|	|	|	0.15
332.667	0.00	0.01	0.074	O	|	|	|	|	0.16	337.833	0.00	0.01	0.071	O	|	|	|	|	0.15
332.750	0.00	0.01	0.074	O	|	|	|	|	0.16	337.917	0.00	0.01	0.071	O	|	|	|	|	0.15
332.833	0.00	0.01	0.074	O	|	|	|	|	0.16	338.000	0.00	0.01	0.071	O	|	|	|	|	0.15
332.917	0.00	0.01	0.074	O	|	|	|	|	0.16	338.083	0.00	0.01	0.071	O	|	|	|	|	0.15
333.000	0.00	0.01	0.074	O	|	|	|	|	0.16	338.167	0.00	0.01	0.071	O	|	|	|	|	0.15
333.083	0.00	0.01	0.074	O	|	|	|	|	0.16	338.250	0.00	0.01	0.071	O	|	|	|	|	0.15
333.167	0.00	0.01	0.074	O	|	|	|	|	0.16	338.333	0.00	0.01	0.071	O	|	|	|	|	0.15
333.250	0.00	0.01	0.074	O	|	|	|	|	0.16	338.417	0.00	0.01	0.071	O	|	|	|	|	0.15
333.333	0.00	0.01	0.074	O	|	|	|	|	0.16	338.500	0.00	0.01	0.071	O	|	|	|	|	0.15
333.417	0.00	0.01	0.074	O	|	|	|	|	0.16	338.583	0.00	0.01	0.071	O	|	|	|	|	0.15
333.500	0.00	0.01	0.074	O	|	|	|	|	0.16	338.667	0.00	0.01	0.071	O	|	|	|	|	0.15
333.583	0.00	0.01	0.074	O	|	|	|	|	0.16	338.750	0.00	0.01	0.071	O	|	|	|	|	0.15
333.667	0.00	0.01	0.074	O	|	|	|	|	0.16	338.833	0.00	0.01	0.071	O	|	|	|	|	0.15
333.750	0.00	0.01	0.074	O	|	|	|	|	0.16	338.917	0.00	0.01	0.071	O	|	|	|	|	0.15
333.833	0.00	0.01	0.074	O	|	|	|	|	0.16	339.000	0.00	0.01	0.070	O	|	|	|	|	0.15
333.917	0.00	0.01	0.074	O	|	|	|	|	0.16	339.083	0.00	0.01	0.070	O	|	|	|	|	0.15
334.000	0.00	0.01	0.074	O	|	|	|	|	0.16	339.167	0.00	0.01	0.070	O	|	|	|	|	0.15
334.083	0.00	0.01	0.074	O	|	|	|	|	0.16	339.250	0.00	0.01	0.070	O	|	|	|	|	0.15
334.167	0.00	0.01	0.074	O	|	|	|	|	0.16	339.333	0.00	0.01	0.070	O	|	|	|	|	0.15
334.250	0.00	0.01	0.073	O	|	|	|	|	0.16	339.417	0.00	0.01	0.070	O	|	|	|	|	0.15

339.500	0.00	0.01	0.070	O	|	|	|	|	0.15	344.667	0.00	0.01	0.067	O	|	|	|	|	0.14
339.583	0.00	0.01	0.070	O	|	|	|	|	0.15	344.750	0.00	0.01	0.067	O	|	|	|	|	0.14
339.667	0.00	0.01	0.070	O	|	|	|	|	0.15	344.833	0.00	0.01	0.067	O	|	|	|	|	0.14
339.750	0.00	0.01	0.070	O	|	|	|	|	0.15	344.917	0.00	0.01	0.067	O	|	|	|	|	0.14
339.833	0.00	0.01	0.070	O	|	|	|	|	0.15	345.000	0.00	0.01	0.067	O	|	|	|	|	0.14
339.917	0.00	0.01	0.070	O	|	|	|	|	0.15	345.083	0.00	0.01	0.067	O	|	|	|	|	0.14
340.000	0.00	0.01	0.070	O	|	|	|	|	0.15	345.167	0.00	0.01	0.067	O	|	|	|	|	0.14
340.083	0.00	0.01	0.070	O	|	|	|	|	0.15	345.250	0.00	0.01	0.067	O	|	|	|	|	0.14
340.167	0.00	0.01	0.070	O	|	|	|	|	0.15	345.333	0.00	0.01	0.067	O	|	|	|	|	0.14
340.250	0.00	0.01	0.070	O	|	|	|	|	0.15	345.417	0.00	0.01	0.067	O	|	|	|	|	0.14
340.333	0.00	0.01	0.070	O	|	|	|	|	0.15	345.500	0.00	0.01	0.067	O	|	|	|	|	0.14
340.417	0.00	0.01	0.070	O	|	|	|	|	0.15	345.583	0.00	0.01	0.067	O	|	|	|	|	0.14
340.500	0.00	0.01	0.070	O	|	|	|	|	0.15	345.667	0.00	0.01	0.067	O	|	|	|	|	0.14
340.583	0.00	0.01	0.070	O	|	|	|	|	0.15	345.750	0.00	0.01	0.066	O	|	|	|	|	0.14
340.667	0.00	0.01	0.069	O	|	|	|	|	0.15	345.833	0.00	0.01	0.066	O	|	|	|	|	0.14
340.750	0.00	0.01	0.069	O	|	|	|	|	0.15	345.917	0.00	0.01	0.066	O	|	|	|	|	0.14
340.833	0.00	0.01	0.069	O	|	|	|	|	0.15	346.000	0.00	0.01	0.066	O	|	|	|	|	0.14
340.917	0.00	0.01	0.069	O	|	|	|	|	0.15	346.083	0.00	0.01	0.066	O	|	|	|	|	0.14
341.000	0.00	0.01	0.069	O	|	|	|	|	0.15	346.167	0.00	0.01	0.066	O	|	|	|	|	0.14
341.083	0.00	0.01	0.069	O	|	|	|	|	0.15	346.250	0.00	0.01	0.066	O	|	|	|	|	0.14
341.167	0.00	0.01	0.069	O	|	|	|	|	0.15	346.333	0.00	0.01	0.066	O	|	|	|	|	0.14
341.250	0.00	0.01	0.069	O	|	|	|	|	0.15	346.417	0.00	0.01	0.066	O	|	|	|	|	0.14
341.333	0.00	0.01	0.069	O	|	|	|	|	0.15	346.500	0.00	0.01	0.066	O	|	|	|	|	0.14
341.417	0.00	0.01	0.069	O	|	|	|	|	0.15	346.583	0.00	0.01	0.066	O	|	|	|	|	0.14
341.500	0.00	0.01	0.069	O	|	|	|	|	0.15	346.667	0.00	0.01	0.066	O	|	|	|	|	0.14
341.583	0.00	0.01	0.069	O	|	|	|	|	0.15	346.750	0.00	0.01	0.066	O	|	|	|	|	0.14
341.667	0.00	0.01	0.069	O	|	|	|	|	0.15	346.833	0.00	0.01	0.066	O	|	|	|	|	0.14
341.750	0.00	0.01	0.069	O	|	|	|	|	0.15	346.917	0.00	0.01	0.066	O	|	|	|	|	0.14
341.833	0.00	0.01	0.069	O	|	|	|	|	0.15	347.000	0.00	0.01	0.066	O	|	|	|	|	0.14
341.917	0.00	0.01	0.069	O	|	|	|	|	0.14	347.083	0.00	0.01	0.066	O	|	|	|	|	0.14
342.000	0.00	0.01	0.069	O	|	|	|	|	0.14	347.167	0.00	0.01	0.066	O	|	|	|	|	0.14
342.083	0.00	0.01	0.069	O	|	|	|	|	0.14	347.250	0.00	0.01	0.066	O	|	|	|	|	0.14
342.167	0.00	0.01	0.069	O	|	|	|	|	0.14	347.333	0.00	0.01	0.066	O	|	|	|	|	0.14
342.250	0.00	0.01	0.069	O	|	|	|	|	0.14	347.417	0.00	0.01	0.066	O	|	|	|	|	0.14
342.333	0.00	0.01	0.068	O	|	|	|	|	0.14	347.500	0.00	0.01	0.065	O	|	|	|	|	0.14
342.417	0.00	0.01	0.068	O	|	|	|	|	0.14	347.583	0.00	0.01	0.065	O	|	|	|	|	0.14
342.500	0.00	0.01	0.068	O	|	|	|	|	0.14	347.667	0.00	0.01	0.065	O	|	|	|	|	0.14
342.583	0.00	0.01	0.068	O	|	|	|	|	0.14	347.750	0.00	0.01	0.065	O	|	|	|	|	0.14
342.667	0.00	0.01	0.068	O	|	|	|	|	0.14	347.833	0.00	0.01	0.065	O	|	|	|	|	0.14
342.750	0.00	0.01	0.068	O	|	|	|	|	0.14	347.917	0.00	0.01	0.065	O	|	|	|	|	0.14
342.833	0.00	0.01	0.068	O	|	|	|	|	0.14	348.000	0.00	0.01	0.065	O	|	|	|	|	0.14
342.917	0.00	0.01	0.068	O	|	|	|	|	0.14	348.083	0.00	0.01	0.065	O	|	|	|	|	0.14
343.000	0.00	0.01	0.068	O	|	|	|	|	0.14	348.167	0.00	0.01	0.065	O	|	|	|	|	0.14
343.083	0.00	0.01	0.068	O	|	|	|	|	0.14	348.250	0.00	0.01	0.065	O	|	|	|	|	0.14
343.167	0.00	0.01	0.068	O	|	|	|	|	0.14	348.333	0.00	0.01	0.065	O	|	|	|	|	0.14
343.250	0.00	0.01	0.068	O	|	|	|	|	0.14	348.417	0.00	0.01	0.065	O	|	|	|	|	0.14
343.333	0.00	0.01	0.068	O	|	|	|	|	0.14	348.500	0.00	0.01	0.065	O	|	|	|	|	0.14
343.417	0.00	0.01	0.068	O	|	|	|	|	0.14	348.583	0.00	0.01	0.065	O	|	|	|	|	0.14
343.500	0.00	0.01	0.068	O	|	|	|	|	0.14	348.667	0.00	0.01	0.065	O	|	|	|	|	0.14
343.583	0.00	0.01	0.068	O	|	|	|	|	0.14	348.750	0.00	0.01	0.065	O	|	|	|	|	0.14
343.667	0.00	0.01	0.068	O	|	|	|	|	0.14	348.833	0.00	0.01	0.065	O	|	|	|	|	0.14
343.750	0.00	0.01	0.068	O	|	|	|	|	0.14	348.917	0.00	0.01	0.065	O	|	|	|	|	0.14
343.833	0.00	0.01	0.068	O	|	|	|	|	0.14	349.000	0.00	0.01	0.065	O	|	|	|	|	0.14
343.917	0.00	0.01	0.068	O	|	|	|	|	0.14	349.083	0.00	0.01	0.065	O	|	|	|	|	0.14
344.000	0.00	0.01	0.067	O	|	|	|	|	0.14	349.167	0.00	0.01	0.065	O	|	|	|	|	0.14
344.083	0.00	0.01	0.067	O	|	|	|	|	0.14	349.250	0.00	0.01	0.064	O	|	|	|	|	0.14
344.167	0.00	0.01	0.067	O	|	|	|	|	0.14	349.333	0.00	0.01	0.064	O	|	|	|	|	0.14
344.250	0.00	0.01	0.067	O	|	|	|	|	0.14	349.417	0.00	0.01	0.064	O	|	|	|	|	0.14
344.333	0.00	0.01	0.067	O	|	|	|	|	0.14	349.500	0.00	0.01	0.064	O	|	|	|	|	0.14
344.417	0.00	0.01	0.067	O	|	|	|	|	0.14	349.583	0.00	0.01	0.064	O	|	|	|	|	0.14
344.500	0.00	0.01	0.067	O	|	|	|	|	0.14	349.667	0.00	0.01	0.064	O	|	|	|	|	0.14
344.583	0.00	0.01	0.067	O	|	|	|	|	0.14	349.750	0.00	0.01	0.064	O	|	|	|	|	0.14

349.833	0.00	0.01	0.064	O	|	|	|	|	0.14	355.000	0.00	0.01	0.061	O	|	|	|	|	0.13
349.917	0.00	0.01	0.064	O	|	|	|	|	0.14	355.083	0.00	0.01	0.061	O	|	|	|	|	0.13
350.000	0.00	0.01	0.064	O	|	|	|	|	0.14	355.167	0.00	0.01	0.061	O	|	|	|	|	0.13
350.083	0.00	0.01	0.064	O	|	|	|	|	0.14	355.250	0.00	0.01	0.061	O	|	|	|	|	0.13
350.167	0.00	0.01	0.064	O	|	|	|	|	0.13	355.333	0.00	0.01	0.061	O	|	|	|	|	0.13
350.250	0.00	0.01	0.064	O	|	|	|	|	0.13	355.417	0.00	0.01	0.061	O	|	|	|	|	0.13
350.333	0.00	0.01	0.064	O	|	|	|	|	0.13	355.500	0.00	0.01	0.061	O	|	|	|	|	0.13
350.417	0.00	0.01	0.064	O	|	|	|	|	0.13	355.583	0.00	0.01	0.061	O	|	|	|	|	0.13
350.500	0.00	0.01	0.064	O	|	|	|	|	0.13	355.667	0.00	0.01	0.061	O	|	|	|	|	0.13
350.583	0.00	0.01	0.064	O	|	|	|	|	0.13	355.750	0.00	0.01	0.061	O	|	|	|	|	0.13
350.667	0.00	0.01	0.064	O	|	|	|	|	0.13	355.833	0.00	0.01	0.061	O	|	|	|	|	0.13
350.750	0.00	0.01	0.064	O	|	|	|	|	0.13	355.917	0.00	0.01	0.061	O	|	|	|	|	0.13
350.833	0.00	0.01	0.064	O	|	|	|	|	0.13	356.000	0.00	0.01	0.061	O	|	|	|	|	0.13
350.917	0.00	0.01	0.064	O	|	|	|	|	0.13	356.083	0.00	0.01	0.061	O	|	|	|	|	0.13
351.000	0.00	0.01	0.063	O	|	|	|	|	0.13	356.167	0.00	0.01	0.061	O	|	|	|	|	0.13
351.083	0.00	0.01	0.063	O	|	|	|	|	0.13	356.250	0.00	0.01	0.061	O	|	|	|	|	0.13
351.167	0.00	0.01	0.063	O	|	|	|	|	0.13	356.333	0.00	0.01	0.061	O	|	|	|	|	0.13
351.250	0.00	0.01	0.063	O	|	|	|	|	0.13	356.417	0.00	0.01	0.061	O	|	|	|	|	0.13
351.333	0.00	0.01	0.063	O	|	|	|	|	0.13	356.500	0.00	0.01	0.061	O	|	|	|	|	0.13
351.417	0.00	0.01	0.063	O	|	|	|	|	0.13	356.583	0.00	0.01	0.060	O	|	|	|	|	0.13
351.500	0.00	0.01	0.063	O	|	|	|	|	0.13	356.667	0.00	0.01	0.060	O	|	|	|	|	0.13
351.583	0.00	0.01	0.063	O	|	|	|	|	0.13	356.750	0.00	0.01	0.060	O	|	|	|	|	0.13
351.667	0.00	0.01	0.063	O	|	|	|	|	0.13	356.833	0.00	0.01	0.060	O	|	|	|	|	0.13
351.750	0.00	0.01	0.063	O	|	|	|	|	0.13	356.917	0.00	0.01	0.060	O	|	|	|	|	0.13
351.833	0.00	0.01	0.063	O	|	|	|	|	0.13	357.000	0.00	0.01	0.060	O	|	|	|	|	0.13
351.917	0.00	0.01	0.063	O	|	|	|	|	0.13	357.083	0.00	0.01	0.060	O	|	|	|	|	0.13
352.000	0.00	0.01	0.063	O	|	|	|	|	0.13	357.167	0.00	0.01	0.060	O	|	|	|	|	0.13
352.083	0.00	0.01	0.063	O	|	|	|	|	0.13	357.250	0.00	0.01	0.060	O	|	|	|	|	0.13
352.167	0.00	0.01	0.063	O	|	|	|	|	0.13	357.333	0.00	0.01	0.060	O	|	|	|	|	0.13
352.250	0.00	0.01	0.063	O	|	|	|	|	0.13	357.417	0.00	0.01	0.060	O	|	|	|	|	0.13
352.333	0.00	0.01	0.063	O	|	|	|	|	0.13	357.500	0.00	0.01	0.060	O	|	|	|	|	0.13
352.417	0.00	0.01	0.063	O	|	|	|	|	0.13	357.583	0.00	0.01	0.060	O	|	|	|	|	0.13
352.500	0.00	0.01	0.063	O	|	|	|	|	0.13	357.667	0.00	0.01	0.060	O	|	|	|	|	0.13
352.583	0.00	0.01	0.063	O	|	|	|	|	0.13	357.750	0.00	0.01	0.060	O	|	|	|	|	0.13
352.667	0.00	0.01	0.063	O	|	|	|	|	0.13	357.833	0.00	0.01	0.060	O	|	|	|	|	0.13
352.750	0.00	0.01	0.063	O	|	|	|	|	0.13	357.917	0.00	0.01	0.060	O	|	|	|	|	0.13
352.833	0.00	0.01	0.062	O	|	|	|	|	0.13	358.000	0.00	0.01	0.060	O	|	|	|	|	0.13
352.917	0.00	0.01	0.062	O	|	|	|	|	0.13	358.083	0.00	0.01	0.060	O	|	|	|	|	0.13
353.000	0.00	0.01	0.062	O	|	|	|	|	0.13	358.167	0.00	0.01	0.060	O	|	|	|	|	0.13
353.083	0.00	0.01	0.062	O	|	|	|	|	0.13	358.250	0.00	0.01	0.060	O	|	|	|	|	0.13
353.167	0.00	0.01	0.062	O	|	|	|	|	0.13	358.333	0.00	0.01	0.060	O	|	|	|	|	0.13
353.250	0.00	0.01	0.062	O	|	|	|	|	0.13	358.417	0.00	0.01	0.060	O	|	|	|	|	0.13
353.333	0.00	0.01	0.062	O	|	|	|	|	0.13	358.500	0.00	0.01	0.059	O	|	|	|	|	0.13
353.417	0.00	0.01	0.062	O	|	|	|	|	0.13	358.583	0.00	0.01	0.059	O	|	|	|	|	0.13
353.500	0.00	0.01	0.062	O	|	|	|	|	0.13	358.667	0.00	0.01	0.059	O	|	|	|	|	0.13
353.583	0.00	0.01	0.062	O	|	|	|	|	0.13	358.750	0.00	0.01	0.059	O	|	|	|	|	0.13
353.667	0.00	0.01	0.062	O	|	|	|	|	0.13	358.833	0.00	0.01	0.059	O	|	|	|	|	0.13
353.750	0.00	0.01	0.062	O	|	|	|	|	0.13	358.917	0.00	0.01	0.059	O	|	|	|	|	0.13
353.833	0.00	0.01	0.062	O	|	|	|	|	0.13	359.000	0.00	0.01	0.059	O	|	|	|	|	0.12
353.917	0.00	0.01	0.062	O	|	|	|	|	0.13	359.083	0.00	0.01	0.059	O	|	|	|	|	0.12
354.000	0.00	0.01	0.062	O	|	|	|	|	0.13	359.167	0.00	0.01	0.059	O	|	|	|	|	0.12
354.083	0.00	0.01	0.062	O	|	|	|	|	0.13	359.250	0.00	0.01	0.059	O	|	|	|	|	0.12
354.167	0.00	0.01	0.062	O	|	|	|	|	0.13	359.333	0.00	0.01	0.059	O	|	|	|	|	0.12
354.250	0.00	0.01	0.062	O	|	|	|	|	0.13	359.417	0.00	0.01	0.059	O	|	|	|	|	0.12
354.333	0.00	0.01	0.062	O	|	|	|	|	0.13	359.500	0.00	0.01	0.059	O	|	|	|	|	0.12
354.417	0.00	0.01	0.062	O	|	|	|	|	0.13	359.583	0.00	0.01	0.059	O	|	|	|	|	0.12
354.500	0.00	0.01	0.062	O	|	|	|	|	0.13	359.667	0.00	0.01	0.059	O	|	|	|	|	0.12
354.583	0.00	0.01	0.062	O	|	|	|	|	0.13	359.750	0.00	0.01	0.059	O	|	|	|	|	0.12
354.667	0.00	0.01	0.061	O	|	|	|	|	0.13	359.833	0.00	0.01	0.059	O	|	|	|	|	0.12
354.750	0.00	0.01	0.061	O	|	|	|	|	0.13	359.917	0.00	0.01	0.059	O	|	|	|	|	0.12
354.833	0.00	0.01	0.061	O	|	|	|	|	0.13	360.000	0.00	0.01	0.059	O	|	|	|	|	0.12
354.917	0.00	0.01	0.061	O	|	|	|	|	0.13	360.083	0.00	0.01	0.059	O	|	|	|	|	0.12

360.167	0.00	0.01	0.059	O	|	|	|	|	0.12	365.333	0.00	0.01	0.056	O	|	|	|	|	0.12
360.250	0.00	0.01	0.059	O	|	|	|	|	0.12	365.417	0.00	0.01	0.056	O	|	|	|	|	0.12
360.333	0.00	0.01	0.059	O	|	|	|	|	0.12	365.500	0.00	0.01	0.056	O	|	|	|	|	0.12
360.417	0.00	0.01	0.058	O	|	|	|	|	0.12	365.583	0.00	0.01	0.056	O	|	|	|	|	0.12
360.500	0.00	0.01	0.058	O	|	|	|	|	0.12	365.667	0.00	0.01	0.056	O	|	|	|	|	0.12
360.583	0.00	0.01	0.058	O	|	|	|	|	0.12	365.750	0.00	0.01	0.056	O	|	|	|	|	0.12
360.667	0.00	0.01	0.058	O	|	|	|	|	0.12	365.833	0.00	0.01	0.056	O	|	|	|	|	0.12
360.750	0.00	0.01	0.058	O	|	|	|	|	0.12	365.917	0.00	0.01	0.056	O	|	|	|	|	0.12
360.833	0.00	0.01	0.058	O	|	|	|	|	0.12	366.000	0.00	0.01	0.056	O	|	|	|	|	0.12
360.917	0.00	0.01	0.058	O	|	|	|	|	0.12	366.083	0.00	0.01	0.056	O	|	|	|	|	0.12
361.000	0.00	0.01	0.058	O	|	|	|	|	0.12	366.167	0.00	0.01	0.056	O	|	|	|	|	0.12
361.083	0.00	0.01	0.058	O	|	|	|	|	0.12	366.250	0.00	0.01	0.056	O	|	|	|	|	0.12
361.167	0.00	0.01	0.058	O	|	|	|	|	0.12	366.333	0.00	0.01	0.056	O	|	|	|	|	0.12
361.250	0.00	0.01	0.058	O	|	|	|	|	0.12	366.417	0.00	0.01	0.056	O	|	|	|	|	0.12
361.333	0.00	0.01	0.058	O	|	|	|	|	0.12	366.500	0.00	0.01	0.055	O	|	|	|	|	0.12
361.417	0.00	0.01	0.058	O	|	|	|	|	0.12	366.583	0.00	0.01	0.055	O	|	|	|	|	0.12
361.500	0.00	0.01	0.058	O	|	|	|	|	0.12	366.667	0.00	0.01	0.055	O	|	|	|	|	0.12
361.583	0.00	0.01	0.058	O	|	|	|	|	0.12	366.750	0.00	0.01	0.055	O	|	|	|	|	0.12
361.667	0.00	0.01	0.058	O	|	|	|	|	0.12	366.833	0.00	0.01	0.055	O	|	|	|	|	0.12
361.750	0.00	0.01	0.058	O	|	|	|	|	0.12	366.917	0.00	0.01	0.055	O	|	|	|	|	0.12
361.833	0.00	0.01	0.058	O	|	|	|	|	0.12	367.000	0.00	0.01	0.055	O	|	|	|	|	0.12
361.917	0.00	0.01	0.058	O	|	|	|	|	0.12	367.083	0.00	0.01	0.055	O	|	|	|	|	0.12
362.000	0.00	0.01	0.058	O	|	|	|	|	0.12	367.167	0.00	0.01	0.055	O	|	|	|	|	0.12
362.083	0.00	0.01	0.058	O	|	|	|	|	0.12	367.250	0.00	0.01	0.055	O	|	|	|	|	0.12
362.167	0.00	0.01	0.058	O	|	|	|	|	0.12	367.333	0.00	0.01	0.055	O	|	|	|	|	0.12
362.250	0.00	0.01	0.058	O	|	|	|	|	0.12	367.417	0.00	0.01	0.055	O	|	|	|	|	0.12
362.333	0.00	0.01	0.058	O	|	|	|	|	0.12	367.500	0.00	0.01	0.055	O	|	|	|	|	0.12
362.417	0.00	0.01	0.057	O	|	|	|	|	0.12	367.583	0.00	0.01	0.055	O	|	|	|	|	0.12
362.500	0.00	0.01	0.057	O	|	|	|	|	0.12	367.667	0.00	0.01	0.055	O	|	|	|	|	0.12
362.583	0.00	0.01	0.057	O	|	|	|	|	0.12	367.750	0.00	0.01	0.055	O	|	|	|	|	0.12
362.667	0.00	0.01	0.057	O	|	|	|	|	0.12	367.833	0.00	0.01	0.055	O	|	|	|	|	0.12
362.750	0.00	0.01	0.057	O	|	|	|	|	0.12	367.917	0.00	0.01	0.055	O	|	|	|	|	0.12
362.833	0.00	0.01	0.057	O	|	|	|	|	0.12	368.000	0.00	0.01	0.055	O	|	|	|	|	0.12
362.917	0.00	0.01	0.057	O	|	|	|	|	0.12	368.083	0.00	0.01	0.055	O	|	|	|	|	0.12
363.000	0.00	0.01	0.057	O	|	|	|	|	0.12	368.167	0.00	0.01	0.055	O	|	|	|	|	0.12
363.083	0.00	0.01	0.057	O	|	|	|	|	0.12	368.250	0.00	0.01	0.055	O	|	|	|	|	0.12
363.167	0.00	0.01	0.057	O	|	|	|	|	0.12	368.333	0.00	0.01	0.055	O	|	|	|	|	0.12
363.250	0.00	0.01	0.057	O	|	|	|	|	0.12	368.417	0.00	0.01	0.055	O	|	|	|	|	0.12
363.333	0.00	0.01	0.057	O	|	|	|	|	0.12	368.500	0.00	0.01	0.055	O	|	|	|	|	0.11
363.417	0.00	0.01	0.057	O	|	|	|	|	0.12	368.583	0.00	0.01	0.054	O	|	|	|	|	0.11
363.500	0.00	0.01	0.057	O	|	|	|	|	0.12	368.667	0.00	0.01	0.054	O	|	|	|	|	0.11
363.583	0.00	0.01	0.057	O	|	|	|	|	0.12	368.750	0.00	0.01	0.054	O	|	|	|	|	0.11
363.667	0.00	0.01	0.057	O	|	|	|	|	0.12	368.833	0.00	0.01	0.054	O	|	|	|	|	0.11
363.750	0.00	0.01	0.057	O	|	|	|	|	0.12	368.917	0.00	0.01	0.054	O	|	|	|	|	0.11
363.833	0.00	0.01	0.057	O	|	|	|	|	0.12	369.000	0.00	0.01	0.054	O	|	|	|	|	0.11
363.917	0.00	0.01	0.057	O	|	|	|	|	0.12	369.083	0.00	0.01	0.054	O	|	|	|	|	0.11
364.000	0.00	0.01	0.057	O	|	|	|	|	0.12	369.167	0.00	0.01	0.054	O	|	|	|	|	0.11
364.083	0.00	0.01	0.057	O	|	|	|	|	0.12	369.250	0.00	0.01	0.054	O	|	|	|	|	0.11
364.167	0.00	0.01	0.057	O	|	|	|	|	0.12	369.333	0.00	0.01	0.054	O	|	|	|	|	0.11
364.250	0.00	0.01	0.057	O	|	|	|	|	0.12	369.417	0.00	0.01	0.054	O	|	|	|	|	0.11
364.333	0.00	0.01	0.057	O	|	|	|	|	0.12	369.500	0.00	0.01	0.054	O	|	|	|	|	0.11
364.417	0.00	0.01	0.056	O	|	|	|	|	0.12	369.583	0.00	0.01	0.054	O	|	|	|	|	0.11
364.500	0.00	0.01	0.056	O	|	|	|	|	0.12	369.667	0.00	0.01	0.054	O	|	|	|	|	0.11
364.583	0.00	0.01	0.056	O	|	|	|	|	0.12	369.750	0.00	0.01	0.054	O	|	|	|	|	0.11
364.667	0.00	0.01	0.056	O	|	|	|	|	0.12	369.833	0.00	0.01	0.054	O	|	|	|	|	0.11
364.750	0.00	0.01	0.056	O	|	|	|	|	0.12	369.917	0.00	0.01	0.054	O	|	|	|	|	0.11
364.833	0.00	0.01	0.056	O	|	|	|	|	0.12	370.000	0.00	0.01	0.054	O	|	|	|	|	0.11
364.917	0.00	0.01	0.056	O	|	|	|	|	0.12	370.083	0.00	0.01	0.054	O	|	|	|	|	0.11
365.000	0.00	0.01	0.056	O	|	|	|	|	0.12	370.167	0.00	0.01	0.054	O	|	|	|	|	0.11
365.083	0.00	0.01	0.056	O	|	|	|	|	0.12	370.250	0.00	0.01	0.054	O	|	|	|	|	0.11
365.167	0.00	0.01	0.056	O	|	|	|	|	0.12	370.333	0.00	0.01	0.054	O	|	|	|	|	0.11
365.250	0.00	0.01	0.056	O	|	|	|	|	0.12	370.417	0.00	0.01	0.054	O	|	|	|	|	0.11

370.500	0.00	0.01	0.054	O	|	|	|	|	0.11	375.667	0.00	0.01	0.051	O	|	|	|	|	0.11
370.583	0.00	0.01	0.054	O	|	|	|	|	0.11	375.750	0.00	0.01	0.051	O	|	|	|	|	0.11
370.667	0.00	0.01	0.053	O	|	|	|	|	0.11	375.833	0.00	0.01	0.051	O	|	|	|	|	0.11
370.750	0.00	0.01	0.053	O	|	|	|	|	0.11	375.917	0.00	0.01	0.051	O	|	|	|	|	0.11
370.833	0.00	0.01	0.053	O	|	|	|	|	0.11	376.000	0.00	0.01	0.051	O	|	|	|	|	0.11
370.917	0.00	0.01	0.053	O	|	|	|	|	0.11	376.083	0.00	0.01	0.051	O	|	|	|	|	0.11
371.000	0.00	0.01	0.053	O	|	|	|	|	0.11	376.167	0.00	0.01	0.051	O	|	|	|	|	0.11
371.083	0.00	0.01	0.053	O	|	|	|	|	0.11	376.250	0.00	0.01	0.051	O	|	|	|	|	0.11
371.167	0.00	0.01	0.053	O	|	|	|	|	0.11	376.333	0.00	0.01	0.051	O	|	|	|	|	0.11
371.250	0.00	0.01	0.053	O	|	|	|	|	0.11	376.417	0.00	0.01	0.051	O	|	|	|	|	0.11
371.333	0.00	0.01	0.053	O	|	|	|	|	0.11	376.500	0.00	0.01	0.051	O	|	|	|	|	0.11
371.417	0.00	0.01	0.053	O	|	|	|	|	0.11	376.583	0.00	0.01	0.051	O	|	|	|	|	0.11
371.500	0.00	0.01	0.053	O	|	|	|	|	0.11	376.667	0.00	0.01	0.051	O	|	|	|	|	0.11
371.583	0.00	0.01	0.053	O	|	|	|	|	0.11	376.750	0.00	0.01	0.051	O	|	|	|	|	0.11
371.667	0.00	0.01	0.053	O	|	|	|	|	0.11	376.833	0.00	0.01	0.051	O	|	|	|	|	0.11
371.750	0.00	0.01	0.053	O	|	|	|	|	0.11	376.917	0.00	0.01	0.051	O	|	|	|	|	0.11
371.833	0.00	0.01	0.053	O	|	|	|	|	0.11	377.000	0.00	0.01	0.051	O	|	|	|	|	0.11
371.917	0.00	0.01	0.053	O	|	|	|	|	0.11	377.083	0.00	0.01	0.051	O	|	|	|	|	0.11
372.000	0.00	0.01	0.053	O	|	|	|	|	0.11	377.167	0.00	0.01	0.051	O	|	|	|	|	0.11
372.083	0.00	0.01	0.053	O	|	|	|	|	0.11	377.250	0.00	0.01	0.051	O	|	|	|	|	0.11
372.167	0.00	0.01	0.053	O	|	|	|	|	0.11	377.333	0.00	0.01	0.050	O	|	|	|	|	0.11
372.250	0.00	0.01	0.053	O	|	|	|	|	0.11	377.417	0.00	0.01	0.050	O	|	|	|	|	0.11
372.333	0.00	0.01	0.053	O	|	|	|	|	0.11	377.500	0.00	0.01	0.050	O	|	|	|	|	0.11
372.417	0.00	0.01	0.053	O	|	|	|	|	0.11	377.583	0.00	0.01	0.050	O	|	|	|	|	0.11
372.500	0.00	0.01	0.053	O	|	|	|	|	0.11	377.667	0.00	0.01	0.050	O	|	|	|	|	0.11
372.583	0.00	0.01	0.053	O	|	|	|	|	0.11	377.750	0.00	0.01	0.050	O	|	|	|	|	0.11
372.667	0.00	0.01	0.053	O	|	|	|	|	0.11	377.833	0.00	0.01	0.050	O	|	|	|	|	0.11
372.750	0.00	0.01	0.053	O	|	|	|	|	0.11	377.917	0.00	0.01	0.050	O	|	|	|	|	0.11
372.833	0.00	0.01	0.052	O	|	|	|	|	0.11	378.000	0.00	0.01	0.050	O	|	|	|	|	0.11
372.917	0.00	0.01	0.052	O	|	|	|	|	0.11	378.083	0.00	0.01	0.050	O	|	|	|	|	0.11
373.000	0.00	0.01	0.052	O	|	|	|	|	0.11	378.167	0.00	0.01	0.050	O	|	|	|	|	0.11
373.083	0.00	0.01	0.052	O	|	|	|	|	0.11	378.250	0.00	0.01	0.050	O	|	|	|	|	0.11
373.167	0.00	0.01	0.052	O	|	|	|	|	0.11	378.333	0.00	0.01	0.050	O	|	|	|	|	0.11
373.250	0.00	0.01	0.052	O	|	|	|	|	0.11	378.417	0.00	0.01	0.050	O	|	|	|	|	0.11
373.333	0.00	0.01	0.052	O	|	|	|	|	0.11	378.500	0.00	0.01	0.050	O	|	|	|	|	0.11
373.417	0.00	0.01	0.052	O	|	|	|	|	0.11	378.583	0.00	0.01	0.050	O	|	|	|	|	0.11
373.500	0.00	0.01	0.052	O	|	|	|	|	0.11	378.667	0.00	0.01	0.050	O	|	|	|	|	0.11
373.583	0.00	0.01	0.052	O	|	|	|	|	0.11	378.750	0.00	0.01	0.050	O	|	|	|	|	0.11
373.667	0.00	0.01	0.052	O	|	|	|	|	0.11	378.833	0.00	0.01	0.050	O	|	|	|	|	0.11
373.750	0.00	0.01	0.052	O	|	|	|	|	0.11	378.917	0.00	0.01	0.050	O	|	|	|	|	0.11
373.833	0.00	0.01	0.052	O	|	|	|	|	0.11	379.000	0.00	0.01	0.050	O	|	|	|	|	0.10
373.917	0.00	0.01	0.052	O	|	|	|	|	0.11	379.083	0.00	0.01	0.050	O	|	|	|	|	0.10
374.000	0.00	0.01	0.052	O	|	|	|	|	0.11	379.167	0.00	0.01	0.050	O	|	|	|	|	0.10
374.083	0.00	0.01	0.052	O	|	|	|	|	0.11	379.250	0.00	0.01	0.050	O	|	|	|	|	0.10
374.167	0.00	0.01	0.052	O	|	|	|	|	0.11	379.333	0.00	0.01	0.050	O	|	|	|	|	0.10
374.250	0.00	0.01	0.052	O	|	|	|	|	0.11	379.417	0.00	0.01	0.050	O	|	|	|	|	0.10
374.333	0.00	0.01	0.052	O	|	|	|	|	0.11	379.500	0.00	0.01	0.050	O	|	|	|	|	0.10
374.417	0.00	0.01	0.052	O	|	|	|	|	0.11	379.583	0.00	0.01	0.049	O	|	|	|	|	0.10
374.500	0.00	0.01	0.052	O	|	|	|	|	0.11	379.667	0.00	0.01	0.049	O	|	|	|	|	0.10
374.583	0.00	0.01	0.052	O	|	|	|	|	0.11	379.750	0.00	0.01	0.049	O	|	|	|	|	0.10
374.667	0.00	0.01	0.052	O	|	|	|	|	0.11	379.833	0.00	0.01	0.049	O	|	|	|	|	0.10
374.750	0.00	0.01	0.052	O	|	|	|	|	0.11	379.917	0.00	0.01	0.049	O	|	|	|	|	0.10
374.833	0.00	0.01	0.052	O	|	|	|	|	0.11	380.000	0.00	0.01	0.049	O	|	|	|	|	0.10
374.917	0.00	0.01	0.052	O	|	|	|	|	0.11	380.083	0.00	0.01	0.049	O	|	|	|	|	0.10
375.000	0.00	0.01	0.052	O	|	|	|	|	0.11	380.167	0.00	0.01	0.049	O	|	|	|	|	0.10
375.083	0.00	0.01	0.051	O	|	|	|	|	0.11	380.250	0.00	0.01	0.049	O	|	|	|	|	0.10
375.167	0.00	0.01	0.051	O	|	|	|	|	0.11	380.333	0.00	0.01	0.049	O	|	|	|	|	0.10
375.250	0.00	0.01	0.051	O	|	|	|	|	0.11	380.417	0.00	0.01	0.049	O	|	|	|	|	0.10
375.333	0.00	0.01	0.051	O	|	|	|	|	0.11	380.500	0.00	0.01	0.049	O	|	|	|	|	0.10
375.417	0.00	0.01	0.051	O	|	|	|	|	0.11	380.583	0.00	0.01	0.049	O	|	|	|	|	0.10
375.500	0.00	0.01	0.051	O	|	|	|	|	0.11	380.667	0.00	0.01	0.049	O	|	|	|	|	0.10
375.583	0.00	0.01	0.051	O	|	|	|	|	0.11	380.750	0.00	0.01	0.049	O	|	|	|	|	0.10

380.833	0.00	0.01	0.049	O					0.10	386.000	0.00	0.00	0.047	O					0.10
380.917	0.00	0.01	0.049	O					0.10	386.083	0.00	0.00	0.047	O					0.10
381.000	0.00	0.01	0.049	O					0.10	386.167	0.00	0.00	0.047	O					0.10
381.083	0.00	0.01	0.049	O					0.10	386.250	0.00	0.00	0.047	O					0.10
381.167	0.00	0.01	0.049	O					0.10	386.333	0.00	0.00	0.047	O					0.10
381.250	0.00	0.01	0.049	O					0.10	386.417	0.00	0.00	0.047	O					0.10
381.333	0.00	0.01	0.049	O					0.10	386.500	0.00	0.00	0.047	O					0.10
381.417	0.00	0.01	0.049	O					0.10	386.583	0.00	0.00	0.047	O					0.10
381.500	0.00	0.01	0.049	O					0.10	386.667	0.00	0.00	0.047	O					0.10
381.583	0.00	0.01	0.049	O					0.10	386.750	0.00	0.00	0.046	O					0.10
381.667	0.00	0.01	0.049	O					0.10	386.833	0.00	0.00	0.046	O					0.10
381.750	0.00	0.01	0.049	O					0.10	386.917	0.00	0.00	0.046	O					0.10
381.833	0.00	0.01	0.049	O					0.10	387.000	0.00	0.00	0.046	O					0.10
381.917	0.00	0.01	0.048	O					0.10	387.083	0.00	0.00	0.046	O					0.10
382.000	0.00	0.01	0.048	O					0.10	387.167	0.00	0.00	0.046	O					0.10
382.083	0.00	0.01	0.048	O					0.10	387.250	0.00	0.00	0.046	O					0.10
382.167	0.00	0.01	0.048	O					0.10	387.333	0.00	0.00	0.046	O					0.10
382.250	0.00	0.01	0.048	O					0.10	387.417	0.00	0.00	0.046	O					0.10
382.333	0.00	0.01	0.048	O					0.10	387.500	0.00	0.00	0.046	O					0.10
382.417	0.00	0.01	0.048	O					0.10	387.583	0.00	0.00	0.046	O					0.10
382.500	0.00	0.01	0.048	O					0.10	387.667	0.00	0.00	0.046	O					0.10
382.583	0.00	0.01	0.048	O					0.10	387.750	0.00	0.00	0.046	O					0.10
382.667	0.00	0.01	0.048	O					0.10	387.833	0.00	0.00	0.046	O					0.10
382.750	0.00	0.01	0.048	O					0.10	387.917	0.00	0.00	0.046	O					0.10
382.833	0.00	0.01	0.048	O					0.10	388.000	0.00	0.00	0.046	O					0.10
382.917	0.00	0.01	0.048	O					0.10	388.083	0.00	0.00	0.046	O					0.10
383.000	0.00	0.01	0.048	O					0.10	388.167	0.00	0.00	0.046	O					0.10
383.083	0.00	0.01	0.048	O					0.10	388.250	0.00	0.00	0.046	O					0.10
383.167	0.00	0.01	0.048	O					0.10	388.333	0.00	0.00	0.046	O					0.10
383.250	0.00	0.01	0.048	O					0.10	388.417	0.00	0.00	0.046	O					0.10
383.333	0.00	0.01	0.048	O					0.10	388.500	0.00	0.00	0.046	O					0.10
383.417	0.00	0.01	0.048	O					0.10	388.583	0.00	0.00	0.046	O					0.10
383.500	0.00	0.01	0.048	O					0.10	388.667	0.00	0.00	0.046	O					0.10
383.583	0.00	0.01	0.048	O					0.10	388.750	0.00	0.00	0.046	O					0.10
383.667	0.00	0.01	0.048	O					0.10	388.833	0.00	0.00	0.046	O					0.10
383.750	0.00	0.01	0.048	O					0.10	388.917	0.00	0.00	0.046	O					0.10
383.833	0.00	0.01	0.048	O					0.10	389.000	0.00	0.00	0.046	O					0.10
383.917	0.00	0.01	0.048	O					0.10	389.083	0.00	0.00	0.046	O					0.10
384.000	0.00	0.01	0.048	O					0.10	389.167	0.00	0.00	0.046	O					0.10
384.083	0.00	0.01	0.048	O					0.10	389.250	0.00	0.00	0.045	O					0.10
384.167	0.00	0.01	0.048	O					0.10	389.333	0.00	0.00	0.045	O					0.10
384.250	0.00	0.01	0.048	O					0.10	389.417	0.00	0.00	0.045	O					0.10
384.333	0.00	0.01	0.047	O					0.10	389.500	0.00	0.00	0.045	O					0.10
384.417	0.00	0.01	0.047	O					0.10	389.583	0.00	0.00	0.045	O					0.10
384.500	0.00	0.01	0.047	O					0.10	389.667	0.00	0.00	0.045	O					0.10
384.583	0.00	0.00	0.047	O					0.10	389.750	0.00	0.00	0.045	O					0.10
384.667	0.00	0.00	0.047	O					0.10	389.833	0.00	0.00	0.045	O					0.10
384.750	0.00	0.00	0.047	O					0.10	389.917	0.00	0.00	0.045	O					0.10
384.833	0.00	0.00	0.047	O					0.10	390.000	0.00	0.00	0.045	O					0.10
384.917	0.00	0.00	0.047	O					0.10	390.083	0.00	0.00	0.045	O					0.10
385.000	0.00	0.00	0.047	O					0.10	390.167	0.00	0.00	0.045	O					0.10
385.083	0.00	0.00	0.047	O					0.10	390.250	0.00	0.00	0.045	O					0.10
385.167	0.00	0.00	0.047	O					0.10	390.333	0.00	0.00	0.045	O					0.10
385.250	0.00	0.00	0.047	O					0.10	390.417	0.00	0.00	0.045	O					0.09
385.333	0.00	0.00	0.047	O					0.10	390.500	0.00	0.00	0.045	O					0.09
385.417	0.00	0.00	0.047	O					0.10	390.583	0.00	0.00	0.045	O					0.09
385.500	0.00	0.00	0.047	O					0.10	390.667	0.00	0.00	0.045	O					0.09
385.583	0.00	0.00	0.047	O					0.10	390.750	0.00	0.00	0.045	O					0.09
385.667	0.00	0.00	0.047	O					0.10	390.833	0.00	0.00	0.045	O					0.09
385.750	0.00	0.00	0.047	O					0.10	390.917	0.00	0.00	0.045	O					0.09
385.833	0.00	0.00	0.047	O					0.10	391.000	0.00	0.00	0.045	O					0.09
385.917	0.00	0.00	0.047	O					0.10	391.083	0.00	0.00	0.045	O					0.09

391.167	0.00	0.00	0.045	O	|	|	|	|	0.09	396.333	0.00	0.00	0.043	O	|	|	|	|	0.09
391.250	0.00	0.00	0.045	O	|	|	|	|	0.09	396.417	0.00	0.00	0.043	O	|	|	|	|	0.09
391.333	0.00	0.00	0.045	O	|	|	|	|	0.09	396.500	0.00	0.00	0.043	O	|	|	|	|	0.09
391.417	0.00	0.00	0.045	O	|	|	|	|	0.09	396.583	0.00	0.00	0.043	O	|	|	|	|	0.09
391.500	0.00	0.00	0.045	O	|	|	|	|	0.09	396.667	0.00	0.00	0.043	O	|	|	|	|	0.09
391.583	0.00	0.00	0.045	O	|	|	|	|	0.09	396.750	0.00	0.00	0.043	O	|	|	|	|	0.09
391.667	0.00	0.00	0.045	O	|	|	|	|	0.09	396.833	0.00	0.00	0.043	O	|	|	|	|	0.09
391.750	0.00	0.00	0.045	O	|	|	|	|	0.09	396.917	0.00	0.00	0.043	O	|	|	|	|	0.09
391.833	0.00	0.00	0.044	O	|	|	|	|	0.09	397.000	0.00	0.00	0.043	O	|	|	|	|	0.09
391.917	0.00	0.00	0.044	O	|	|	|	|	0.09	397.083	0.00	0.00	0.042	O	|	|	|	|	0.09
392.000	0.00	0.00	0.044	O	|	|	|	|	0.09	397.167	0.00	0.00	0.042	O	|	|	|	|	0.09
392.083	0.00	0.00	0.044	O	|	|	|	|	0.09	397.250	0.00	0.00	0.042	O	|	|	|	|	0.09
392.167	0.00	0.00	0.044	O	|	|	|	|	0.09	397.333	0.00	0.00	0.042	O	|	|	|	|	0.09
392.250	0.00	0.00	0.044	O	|	|	|	|	0.09	397.417	0.00	0.00	0.042	O	|	|	|	|	0.09
392.333	0.00	0.00	0.044	O	|	|	|	|	0.09	397.500	0.00	0.00	0.042	O	|	|	|	|	0.09
392.417	0.00	0.00	0.044	O	|	|	|	|	0.09	397.583	0.00	0.00	0.042	O	|	|	|	|	0.09
392.500	0.00	0.00	0.044	O	|	|	|	|	0.09	397.667	0.00	0.00	0.042	O	|	|	|	|	0.09
392.583	0.00	0.00	0.044	O	|	|	|	|	0.09	397.750	0.00	0.00	0.042	O	|	|	|	|	0.09
392.667	0.00	0.00	0.044	O	|	|	|	|	0.09	397.833	0.00	0.00	0.042	O	|	|	|	|	0.09
392.750	0.00	0.00	0.044	O	|	|	|	|	0.09	397.917	0.00	0.00	0.042	O	|	|	|	|	0.09
392.833	0.00	0.00	0.044	O	|	|	|	|	0.09	398.000	0.00	0.00	0.042	O	|	|	|	|	0.09
392.917	0.00	0.00	0.044	O	|	|	|	|	0.09	398.083	0.00	0.00	0.042	O	|	|	|	|	0.09
393.000	0.00	0.00	0.044	O	|	|	|	|	0.09	398.167	0.00	0.00	0.042	O	|	|	|	|	0.09
393.083	0.00	0.00	0.044	O	|	|	|	|	0.09	398.250	0.00	0.00	0.042	O	|	|	|	|	0.09
393.167	0.00	0.00	0.044	O	|	|	|	|	0.09	398.333	0.00	0.00	0.042	O	|	|	|	|	0.09
393.250	0.00	0.00	0.044	O	|	|	|	|	0.09	398.417	0.00	0.00	0.042	O	|	|	|	|	0.09
393.333	0.00	0.00	0.044	O	|	|	|	|	0.09	398.500	0.00	0.00	0.042	O	|	|	|	|	0.09
393.417	0.00	0.00	0.044	O	|	|	|	|	0.09	398.583	0.00	0.00	0.042	O	|	|	|	|	0.09
393.500	0.00	0.00	0.044	O	|	|	|	|	0.09	398.667	0.00	0.00	0.042	O	|	|	|	|	0.09
393.583	0.00	0.00	0.044	O	|	|	|	|	0.09	398.750	0.00	0.00	0.042	O	|	|	|	|	0.09
393.667	0.00	0.00	0.044	O	|	|	|	|	0.09	398.833	0.00	0.00	0.042	O	|	|	|	|	0.09
393.750	0.00	0.00	0.044	O	|	|	|	|	0.09	398.917	0.00	0.00	0.042	O	|	|	|	|	0.09
393.833	0.00	0.00	0.044	O	|	|	|	|	0.09	399.000	0.00	0.00	0.042	O	|	|	|	|	0.09
393.917	0.00	0.00	0.044	O	|	|	|	|	0.09	399.083	0.00	0.00	0.042	O	|	|	|	|	0.09
394.000	0.00	0.00	0.044	O	|	|	|	|	0.09	399.167	0.00	0.00	0.042	O	|	|	|	|	0.09
394.083	0.00	0.00	0.044	O	|	|	|	|	0.09	399.250	0.00	0.00	0.042	O	|	|	|	|	0.09
394.167	0.00	0.00	0.044	O	|	|	|	|	0.09	399.333	0.00	0.00	0.042	O	|	|	|	|	0.09
394.250	0.00	0.00	0.044	O	|	|	|	|	0.09	399.417	0.00	0.00	0.042	O	|	|	|	|	0.09
394.333	0.00	0.00	0.044	O	|	|	|	|	0.09	399.500	0.00	0.00	0.042	O	|	|	|	|	0.09
394.417	0.00	0.00	0.043	O	|	|	|	|	0.09	399.583	0.00	0.00	0.042	O	|	|	|	|	0.09
394.500	0.00	0.00	0.043	O	|	|	|	|	0.09	399.667	0.00	0.00	0.042	O	|	|	|	|	0.09
394.583	0.00	0.00	0.043	O	|	|	|	|	0.09	399.750	0.00	0.00	0.042	O	|	|	|	|	0.09
394.667	0.00	0.00	0.043	O	|	|	|	|	0.09	399.833	0.00	0.00	0.041	O	|	|	|	|	0.09
394.750	0.00	0.00	0.043	O	|	|	|	|	0.09	399.917	0.00	0.00	0.041	O	|	|	|	|	0.09
394.833	0.00	0.00	0.043	O	|	|	|	|	0.09	400.000	0.00	0.00	0.041	O	|	|	|	|	0.09
394.917	0.00	0.00	0.043	O	|	|	|	|	0.09	400.083	0.00	0.00	0.041	O	|	|	|	|	0.09
395.000	0.00	0.00	0.043	O	|	|	|	|	0.09	400.167	0.00	0.00	0.041	O	|	|	|	|	0.09
395.083	0.00	0.00	0.043	O	|	|	|	|	0.09	400.250	0.00	0.00	0.041	O	|	|	|	|	0.09
395.167	0.00	0.00	0.043	O	|	|	|	|	0.09	400.333	0.00	0.00	0.041	O	|	|	|	|	0.09
395.250	0.00	0.00	0.043	O	|	|	|	|	0.09	400.417	0.00	0.00	0.041	O	|	|	|	|	0.09
395.333	0.00	0.00	0.043	O	|	|	|	|	0.09	400.500	0.00	0.00	0.041	O	|	|	|	|	0.09
395.417	0.00	0.00	0.043	O	|	|	|	|	0.09	400.583	0.00	0.00	0.041	O	|	|	|	|	0.09
395.500	0.00	0.00	0.043	O	|	|	|	|	0.09	400.667	0.00	0.00	0.041	O	|	|	|	|	0.09
395.583	0.00	0.00	0.043	O	|	|	|	|	0.09	400.750	0.00	0.00	0.041	O	|	|	|	|	0.09
395.667	0.00	0.00	0.043	O	|	|	|	|	0.09	400.833	0.00	0.00	0.041	O	|	|	|	|	0.09
395.750	0.00	0.00	0.043	O	|	|	|	|	0.09	400.917	0.00	0.00	0.041	O	|	|	|	|	0.09
395.833	0.00	0.00	0.043	O	|	|	|	|	0.09	401.000	0.00	0.00	0.041	O	|	|	|	|	0.09
395.917	0.00	0.00	0.043	O	|	|	|	|	0.09	401.083	0.00	0.00	0.041	O	|	|	|	|	0.09
396.000	0.00	0.00	0.043	O	|	|	|	|	0.09	401.167	0.00	0.00	0.041	O	|	|	|	|	0.09
396.083	0.00	0.00	0.043	O	|	|	|	|	0.09	401.250	0.00	0.00	0.041	O	|	|	|	|	0.09
396.167	0.00	0.00	0.043	O	|	|	|	|	0.09	401.333	0.00	0.00	0.041	O	|	|	|	|	0.09
396.250	0.00	0.00	0.043	O	|	|	|	|	0.09	401.417	0.00	0.00	0.041	O	|	|	|	|	0.09

401.500	0.00	0.00	0.041	O	|	|	|	|	0.09	406.667	0.00	0.00	0.039	O	|	|	|	|	0.08
401.583	0.00	0.00	0.041	O	|	|	|	|	0.09	406.750	0.00	0.00	0.039	O	|	|	|	|	0.08
401.667	0.00	0.00	0.041	O	|	|	|	|	0.09	406.833	0.00	0.00	0.039	O	|	|	|	|	0.08
401.750	0.00	0.00	0.041	O	|	|	|	|	0.09	406.917	0.00	0.00	0.039	O	|	|	|	|	0.08
401.833	0.00	0.00	0.041	O	|	|	|	|	0.09	407.000	0.00	0.00	0.039	O	|	|	|	|	0.08
401.917	0.00	0.00	0.041	O	|	|	|	|	0.09	407.083	0.00	0.00	0.039	O	|	|	|	|	0.08
402.000	0.00	0.00	0.041	O	|	|	|	|	0.09	407.167	0.00	0.00	0.039	O	|	|	|	|	0.08
402.083	0.00	0.00	0.041	O	|	|	|	|	0.09	407.250	0.00	0.00	0.039	O	|	|	|	|	0.08
402.167	0.00	0.00	0.041	O	|	|	|	|	0.09	407.333	0.00	0.00	0.039	O	|	|	|	|	0.08
402.250	0.00	0.00	0.041	O	|	|	|	|	0.09	407.417	0.00	0.00	0.039	O	|	|	|	|	0.08
402.333	0.00	0.00	0.041	O	|	|	|	|	0.09	407.500	0.00	0.00	0.039	O	|	|	|	|	0.08
402.417	0.00	0.00	0.041	O	|	|	|	|	0.09	407.583	0.00	0.00	0.039	O	|	|	|	|	0.08
402.500	0.00	0.00	0.041	O	|	|	|	|	0.09	407.667	0.00	0.00	0.039	O	|	|	|	|	0.08
402.583	0.00	0.00	0.040	O	|	|	|	|	0.09	407.750	0.00	0.00	0.039	O	|	|	|	|	0.08
402.667	0.00	0.00	0.040	O	|	|	|	|	0.09	407.833	0.00	0.00	0.039	O	|	|	|	|	0.08
402.750	0.00	0.00	0.040	O	|	|	|	|	0.09	407.917	0.00	0.00	0.039	O	|	|	|	|	0.08
402.833	0.00	0.00	0.040	O	|	|	|	|	0.09	408.000	0.00	0.00	0.039	O	|	|	|	|	0.08
402.917	0.00	0.00	0.040	O	|	|	|	|	0.09	408.083	0.00	0.00	0.039	O	|	|	|	|	0.08
403.000	0.00	0.00	0.040	O	|	|	|	|	0.09	408.167	0.00	0.00	0.039	O	|	|	|	|	0.08
403.083	0.00	0.00	0.040	O	|	|	|	|	0.09	408.250	0.00	0.00	0.039	O	|	|	|	|	0.08
403.167	0.00	0.00	0.040	O	|	|	|	|	0.08	408.333	0.00	0.00	0.039	O	|	|	|	|	0.08
403.250	0.00	0.00	0.040	O	|	|	|	|	0.08	408.417	0.00	0.00	0.038	O	|	|	|	|	0.08
403.333	0.00	0.00	0.040	O	|	|	|	|	0.08	408.500	0.00	0.00	0.038	O	|	|	|	|	0.08
403.417	0.00	0.00	0.040	O	|	|	|	|	0.08	408.583	0.00	0.00	0.038	O	|	|	|	|	0.08
403.500	0.00	0.00	0.040	O	|	|	|	|	0.08	408.667	0.00	0.00	0.038	O	|	|	|	|	0.08
403.583	0.00	0.00	0.040	O	|	|	|	|	0.08	408.750	0.00	0.00	0.038	O	|	|	|	|	0.08
403.667	0.00	0.00	0.040	O	|	|	|	|	0.08	408.833	0.00	0.00	0.038	O	|	|	|	|	0.08
403.750	0.00	0.00	0.040	O	|	|	|	|	0.08	408.917	0.00	0.00	0.038	O	|	|	|	|	0.08
403.833	0.00	0.00	0.040	O	|	|	|	|	0.08	409.000	0.00	0.00	0.038	O	|	|	|	|	0.08
403.917	0.00	0.00	0.040	O	|	|	|	|	0.08	409.083	0.00	0.00	0.038	O	|	|	|	|	0.08
404.000	0.00	0.00	0.040	O	|	|	|	|	0.08	409.167	0.00	0.00	0.038	O	|	|	|	|	0.08
404.083	0.00	0.00	0.040	O	|	|	|	|	0.08	409.250	0.00	0.00	0.038	O	|	|	|	|	0.08
404.167	0.00	0.00	0.040	O	|	|	|	|	0.08	409.333	0.00	0.00	0.038	O	|	|	|	|	0.08
404.250	0.00	0.00	0.040	O	|	|	|	|	0.08	409.417	0.00	0.00	0.038	O	|	|	|	|	0.08
404.333	0.00	0.00	0.040	O	|	|	|	|	0.08	409.500	0.00	0.00	0.038	O	|	|	|	|	0.08
404.417	0.00	0.00	0.040	O	|	|	|	|	0.08	409.583	0.00	0.00	0.038	O	|	|	|	|	0.08
404.500	0.00	0.00	0.040	O	|	|	|	|	0.08	409.667	0.00	0.00	0.038	O	|	|	|	|	0.08
404.583	0.00	0.00	0.040	O	|	|	|	|	0.08	409.750	0.00	0.00	0.038	O	|	|	|	|	0.08
404.667	0.00	0.00	0.040	O	|	|	|	|	0.08	409.833	0.00	0.00	0.038	O	|	|	|	|	0.08
404.750	0.00	0.00	0.040	O	|	|	|	|	0.08	409.917	0.00	0.00	0.038	O	|	|	|	|	0.08
404.833	0.00	0.00	0.040	O	|	|	|	|	0.08	410.000	0.00	0.00	0.038	O	|	|	|	|	0.08
404.917	0.00	0.00	0.040	O	|	|	|	|	0.08	410.083	0.00	0.00	0.038	O	|	|	|	|	0.08
405.000	0.00	0.00	0.040	O	|	|	|	|	0.08	410.167	0.00	0.00	0.038	O	|	|	|	|	0.08
405.083	0.00	0.00	0.040	O	|	|	|	|	0.08	410.250	0.00	0.00	0.038	O	|	|	|	|	0.08
405.167	0.00	0.00	0.040	O	|	|	|	|	0.08	410.333	0.00	0.00	0.038	O	|	|	|	|	0.08
405.250	0.00	0.00	0.040	O	|	|	|	|	0.08	410.417	0.00	0.00	0.038	O	|	|	|	|	0.08
405.333	0.00	0.00	0.040	O	|	|	|	|	0.08	410.500	0.00	0.00	0.038	O	|	|	|	|	0.08
405.417	0.00	0.00	0.040	O	|	|	|	|	0.08	410.583	0.00	0.00	0.038	O	|	|	|	|	0.08
405.500	0.00	0.00	0.039	O	|	|	|	|	0.08	410.667	0.00	0.00	0.038	O	|	|	|	|	0.08
405.583	0.00	0.00	0.039	O	|	|	|	|	0.08	410.750	0.00	0.00	0.038	O	|	|	|	|	0.08
405.667	0.00	0.00	0.039	O	|	|	|	|	0.08	410.833	0.00	0.00	0.038	O	|	|	|	|	0.08
405.750	0.00	0.00	0.039	O	|	|	|	|	0.08	410.917	0.00	0.00	0.038	O	|	|	|	|	0.08
405.833	0.00	0.00	0.039	O	|	|	|	|	0.08	411.000	0.00	0.00	0.038	O	|	|	|	|	0.08
405.917	0.00	0.00	0.039	O	|	|	|	|	0.08	411.083	0.00	0.00	0.038	O	|	|	|	|	0.08
406.000	0.00	0.00	0.039	O	|	|	|	|	0.08	411.167	0.00	0.00	0.038	O	|	|	|	|	0.08
406.083	0.00	0.00	0.039	O	|	|	|	|	0.08	411.250	0.00	0.00	0.038	O	|	|	|	|	0.08
406.167	0.00	0.00	0.039	O	|	|	|	|	0.08	411.333	0.00	0.00	0.038	O	|	|	|	|	0.08
406.250	0.00	0.00	0.039	O	|	|	|	|	0.08	411.417	0.00	0.00	0.037	O	|	|	|	|	0.08
406.333	0.00	0.00	0.039	O	|	|	|	|	0.08	411.500	0.00	0.00	0.037	O	|	|	|	|	0.08
406.417	0.00	0.00	0.039	O	|	|	|	|	0.08	411.583	0.00	0.00	0.037	O	|	|	|	|	0.08
406.500	0.00	0.00	0.039	O	|	|	|	|	0.08	411.667	0.00	0.00	0.037	O	|	|	|	|	0.08
406.583	0.00	0.00	0.039	O	|	|	|	|	0.08	411.750	0.00	0.00	0.037	O	|	|	|	|	0.08

411.833	0.00	0.00	0.037	O	|	|	|	|	0.08
411.917	0.00	0.00	0.037	O	|	|	|	|	0.08
412.000	0.00	0.00	0.037	O	|	|	|	|	0.08
412.083	0.00	0.00	0.037	O	|	|	|	|	0.08
412.167	0.00	0.00	0.037	O	|	|	|	|	0.08
412.250	0.00	0.00	0.037	O	|	|	|	|	0.08
412.333	0.00	0.00	0.037	O	|	|	|	|	0.08
412.417	0.00	0.00	0.037	O	|	|	|	|	0.08
412.500	0.00	0.00	0.037	O	|	|	|	|	0.08
412.583	0.00	0.00	0.037	O	|	|	|	|	0.08
412.667	0.00	0.00	0.037	O	|	|	|	|	0.08
412.750	0.00	0.00	0.037	O	|	|	|	|	0.08
412.833	0.00	0.00	0.037	O	|	|	|	|	0.08
412.917	0.00	0.00	0.037	O	|	|	|	|	0.08
413.000	0.00	0.00	0.037	O	|	|	|	|	0.08
413.083	0.00	0.00	0.037	O	|	|	|	|	0.08
413.167	0.00	0.00	0.037	O	|	|	|	|	0.08
413.250	0.00	0.00	0.037	O	|	|	|	|	0.08
413.333	0.00	0.00	0.037	O	|	|	|	|	0.08
413.417	0.00	0.00	0.037	O	|	|	|	|	0.08
413.500	0.00	0.00	0.037	O	|	|	|	|	0.08
413.583	0.00	0.00	0.037	O	|	|	|	|	0.08
413.667	0.00	0.00	0.037	O	|	|	|	|	0.08
413.750	0.00	0.00	0.037	O	|	|	|	|	0.08
413.833	0.00	0.00	0.037	O	|	|	|	|	0.08
413.917	0.00	0.00	0.037	O	|	|	|	|	0.08
414.000	0.00	0.00	0.037	O	|	|	|	|	0.08
414.083	0.00	0.00	0.037	O	|	|	|	|	0.08
414.167	0.00	0.00	0.037	O	|	|	|	|	0.08
414.250	0.00	0.00	0.037	O	|	|	|	|	0.08
414.333	0.00	0.00	0.037	O	|	|	|	|	0.08
414.417	0.00	0.00	0.037	O	|	|	|	|	0.08
414.500	0.00	0.00	0.036	O	|	|	|	|	0.08
414.583	0.00	0.00	0.036	O	|	|	|	|	0.08
414.667	0.00	0.00	0.036	O	|	|	|	|	0.08
414.750	0.00	0.00	0.036	O	|	|	|	|	0.08
414.833	0.00	0.00	0.036	O	|	|	|	|	0.08
414.917	0.00	0.00	0.036	O	|	|	|	|	0.08
415.000	0.00	0.00	0.036	O	|	|	|	|	0.08
415.083	0.00	0.00	0.036	O	|	|	|	|	0.08
415.167	0.00	0.00	0.036	O	|	|	|	|	0.08
415.250	0.00	0.00	0.036	O	|	|	|	|	0.08
415.333	0.00	0.00	0.036	O	|	|	|	|	0.08
415.417	0.00	0.00	0.036	O	|	|	|	|	0.08
415.500	0.00	0.00	0.036	O	|	|	|	|	0.08
415.583	0.00	0.00	0.036	O	|	|	|	|	0.08
415.667	0.00	0.00	0.036	O	|	|	|	|	0.08
415.750	0.00	0.00	0.036	O	|	|	|	|	0.08
415.833	0.00	0.00	0.036	O	|	|	|	|	0.08
415.917	0.00	0.00	0.036	O	|	|	|	|	0.08
416.000	0.00	0.00	0.036	O	|	|	|	|	0.08
416.083	0.00	0.00	0.036	O	|	|	|	|	0.08
416.167	0.00	0.00	0.036	O	|	|	|	|	0.08
416.250	0.00	0.00	0.036	O	|	|	|	|	0.08
416.333	0.00	0.00	0.036	O	|	|	|	|	0.08
416.417	0.00	0.00	0.036	O	|	|	|	|	0.08
416.500	0.00	0.00	0.036	O	|	|	|	|	0.08
416.583	0.00	0.00	0.036	O	|	|	|	|	0.08
416.667	0.00	0.00	0.036	O	|	|	|	|	0.08

Remaining water in basin = 0.04 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.354 (CFS)
Total volume = 2.094 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 10.200 to Point/Station 10.200
**** STORE OR DELETE CURRENT HYDROGRAPH ****

Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 1 with
a starting time of 0.00 hours and ending time of 25.00 hours
With a total volume of 0.37(Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.354	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.369	0.000	0.000	0.000	0.000

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Process from Point/Station 10.400 to Point/Station 10.500
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP10B10024100.rte

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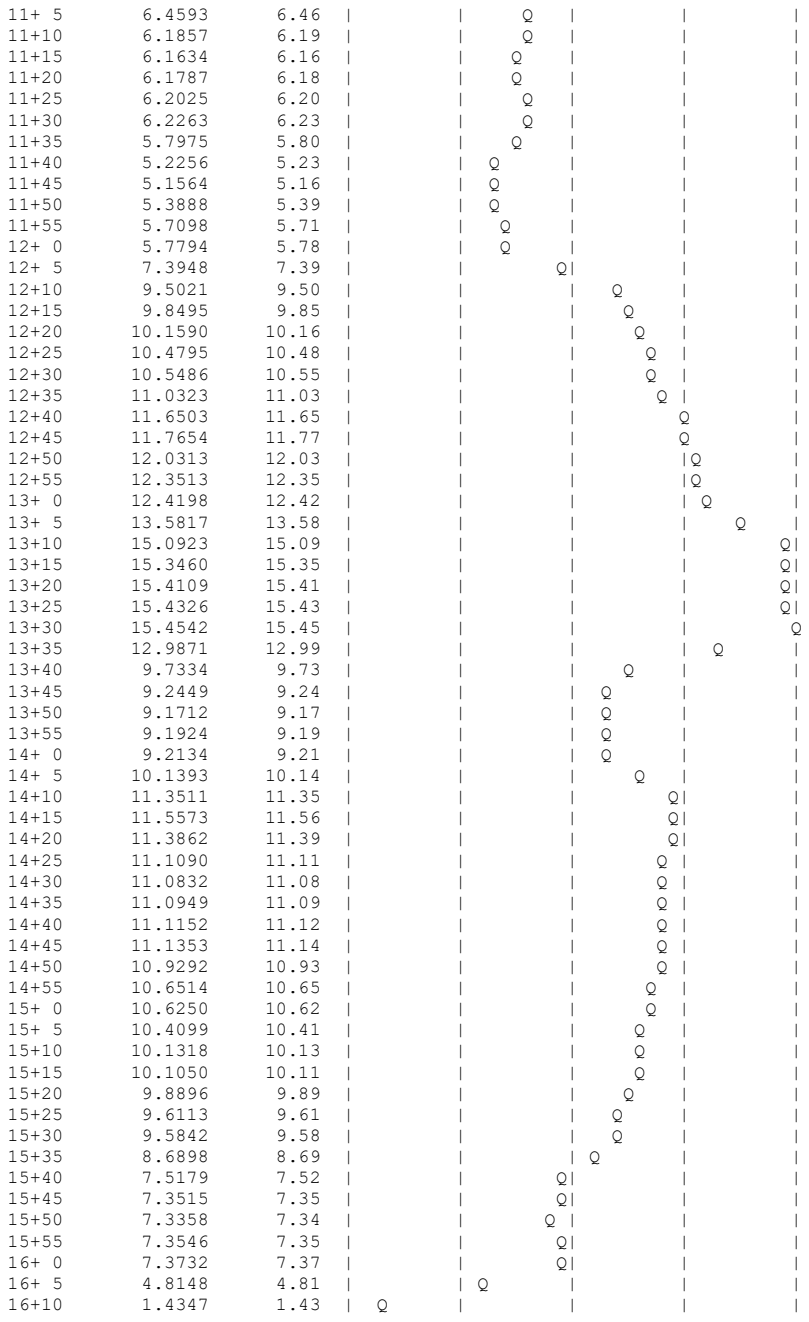
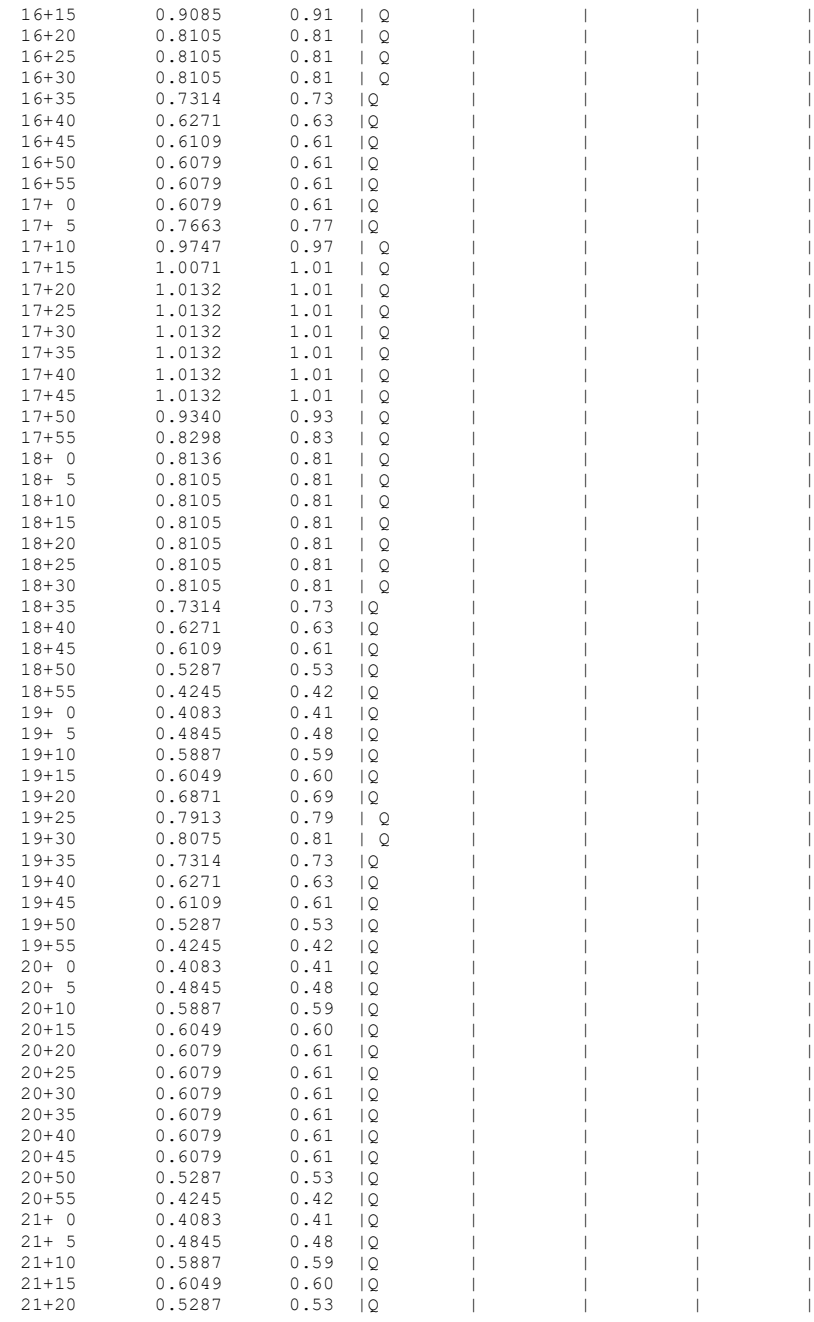
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	3.9	7.7	11.6	15.5
0+ 5	0.1584	0.16	Q	|	|	|	|
0+10	0.3668	0.37	Q	|	|	|	|
0+15	0.3992	0.40	|Q	|	|	|	|
0+20	0.4845	0.48	|Q	|	|	|	|
0+25	0.5887	0.59	|Q	|	|	|	|
0+30	0.6049	0.60	|Q	|	|	|	|
0+35	0.6079	0.61	|Q	|	|	|	|
0+40	0.6079	0.61	|Q	|	|	|	|

0+45	0.6079	0.61		Q				
0+50	0.6871	0.69		Q				
0+55	0.7913	0.79		Q				
1+ 0	0.8075	0.81		Q				
1+ 5	0.7314	0.73		Q				
1+10	0.6271	0.63		Q				
1+15	0.6109	0.61		Q				
1+20	0.6079	0.61		Q				
1+25	0.6079	0.61		Q				
1+30	0.6079	0.61		Q				
1+35	0.6079	0.61		Q				
1+40	0.6079	0.61		Q				
1+45	0.6079	0.61		Q				
1+50	0.6871	0.69		Q				
1+55	0.7913	0.79		Q				
2+ 0	0.8075	0.81		Q				
2+ 5	0.8105	0.81		Q				
2+10	0.8105	0.81		Q				
2+15	0.8105	0.81		Q				
2+20	0.8105	0.81		Q				
2+25	0.8105	0.81		Q				
2+30	0.8105	0.81		Q				
2+35	0.8897	0.89		Q				
2+40	0.9939	0.99		Q				
2+45	1.0101	1.01		Q				
2+50	1.0132	1.01		Q				
2+55	1.0132	1.01		Q				
3+ 0	1.0132	1.01		Q				
3+ 5	1.0132	1.01		Q				
3+10	1.0132	1.01		Q				
3+15	1.0132	1.01		Q				
3+20	1.0132	1.01		Q				
3+25	1.0132	1.01		Q				
3+30	1.0132	1.01		Q				
3+35	1.0132	1.01		Q				
3+40	1.0132	1.01		Q				
3+45	1.0132	1.01		Q				
3+50	1.0924	1.09		Q				
3+55	1.1966	1.20		Q				
4+ 0	1.2128	1.21		Q				
4+ 5	1.2158	1.22		Q				
4+10	1.2158	1.22		Q				
4+15	1.2158	1.22		Q				
4+20	1.2950	1.29		Q				
4+25	1.3992	1.40		Q				
4+30	1.4154	1.42		Q				
4+35	1.4184	1.42		Q				
4+40	1.4184	1.42		Q				
4+45	1.4184	1.42		Q				
4+50	1.4976	1.50		Q				
4+55	1.6018	1.60		Q				
5+ 0	1.6181	1.62		Q				
5+ 5	1.4627	1.46		Q				
5+10	1.2543	1.25		Q				
5+15	1.2218	1.22		Q				
5+20	1.2950	1.29		Q				
5+25	1.3992	1.40		Q				
5+30	1.4154	1.42		Q				
5+35	1.4976	1.50		Q				
5+40	1.6018	1.60		Q				
5+45	1.6181	1.62		Q				
5+50	1.6211	1.62		Q				
5+55	1.6211	1.62		Q				
6+ 0	1.6211	1.62		Q				
6+ 5	1.7003	1.70		Q				
6+10	1.8045	1.80		Q				
6+15	1.8207	1.82		Q				
6+20	1.8237	1.82		Q				
6+25	1.8237	1.82		Q				
6+30	1.8237	1.82		Q				
6+35	1.9029	1.90		Q				
6+40	2.0071	2.01		Q				
6+45	2.0233	2.02		Q				
6+50	2.0263	2.03		Q				
6+55	2.0263	2.03		Q				
7+ 0	2.0263	2.03		Q				
7+ 5	2.0263	2.03		Q				
7+10	2.0263	2.03		Q				
7+15	2.0263	2.03		Q				
7+20	2.1055	2.11		Q				
7+25	2.2097	2.21		Q				
7+30	2.2260	2.23		Q				
7+35	2.3082	2.31		Q				
7+40	2.4124	2.41		Q				
7+45	2.4286	2.43		Q				
7+50	2.5108	2.51		Q				
7+55	2.6150	2.61		Q				
8+ 0	2.6312	2.63		Q				
8+ 5	2.7926	2.79		Q				
8+10	3.0010	3.00		Q				
8+15	3.0335	3.03		Q				
8+20	3.0395	3.04		Q				
8+25	3.0395	3.04		Q				
8+30	3.0395	3.04		Q				
8+35	3.2692	3.27		Q				
8+40	3.5820	3.58		Q				
8+45	3.6530	3.65		Q				
8+50	3.9140	3.91		Q				
8+55	4.2380	4.24		Q				
9+ 0	4.3106	4.31			Q			
9+ 5	4.7979	4.80			Q			
9+10	5.4194	5.42			Q			
9+15	5.5381	5.54			Q			
9+20	5.8075	5.81			Q			
9+25	6.1311	6.13			Q			
9+30	6.2032	6.20			Q			
9+35	6.4637	6.46			Q			
9+40	6.7871	6.79			Q			
9+45	6.8589	6.86			Q			
9+50	7.1192	7.12			Q			
9+55	7.4423	7.44			Q			
10+ 0	7.5139	7.51			Q			
10+ 5	5.9641	5.96			Q			
10+10	3.9050	3.91		Q				
10+15	3.6056	3.61		Q				
10+20	3.5701	3.57		Q				
10+25	3.5950	3.59		Q				
10+30	3.6198	3.62		Q				
10+35	4.7756	4.78			Q			
10+40	6.2889	6.29			Q			
10+45	6.5452	6.55			Q			
10+50	6.6128	6.61			Q			
10+55	6.6371	6.64			Q			
11+ 0	6.6614	6.66			Q			





```
 21+25       0.4245      0.42  |Q        |         |         |         |
 21+30       0.4083      0.41  |Q        |         |         |         |
 21+35       0.4845      0.48  |Q        |         |         |         |
 21+40       0.5887      0.59  |Q        |         |         |         |
 21+45       0.6049      0.60  |Q        |         |         |         |
 21+50       0.5287      0.53  |Q        |         |         |         |
 21+55       0.4245      0.42  |Q        |         |         |         |
 22+ 0       0.4083      0.41  |Q        |         |         |         |
 22+ 5       0.4845      0.48  |Q        |         |         |         |
 22+10       0.5887      0.59  |Q        |         |         |         |
 22+15       0.6049      0.60  |Q        |         |         |         |
 22+20       0.5287      0.53  |Q        |         |         |         |
 22+25       0.4245      0.42  |Q        |         |         |         |
 22+30       0.4083      0.41  |Q        |         |         |         |
 22+35       0.4053      0.41  |Q        |         |         |         |
 22+40       0.4053      0.41  |Q        |         |         |         |
 22+45       0.4053      0.41  |Q        |         |         |         |
 22+50       0.4053      0.41  |Q        |         |         |         |
 22+55       0.4053      0.41  |Q        |         |         |         |
 23+ 0       0.4053      0.41  |Q        |         |         |         |
 23+ 5       0.4053      0.41  |Q        |         |         |         |
 23+10       0.4053      0.41  |Q        |         |         |         |
 23+15       0.4053      0.41  |Q        |         |         |         |
 23+20       0.4053      0.41  |Q        |         |         |         |
 23+25       0.4053      0.41  |Q        |         |         |         |
 23+30       0.4053      0.41  |Q        |         |         |         |
 23+35       0.4053      0.41  |Q        |         |         |         |
 23+40       0.4053      0.41  |Q        |         |         |         |
 23+45       0.4053      0.41  |Q        |         |         |         |
 23+50       0.4053      0.41  |Q        |         |         |         |
 23+55       0.4053      0.41  |Q        |         |         |         |
 24+ 0       0.4053      0.41  |Q        |         |         |         |
 24+ 5       0.2469      0.25  Q         |         |         |         |
 24+10       0.0385      0.04  Q         |         |         |         |
 24+15       0.0060      0.01  Q         |         |         |         |
--------------------------------------------------------------------------
        ***************************HYDROGRAPH DATA**************************
                      Number of intervals =   291
                      Time interval =    5.0 (Min.)
                      Maximum/Peak flow rate =       15.454 (CFS)
                      Total volume =       6.558 (Ac.Ft)
               Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
               Peak (CFS)      0.354     0.000     0.000     0.000     0.000
               Vol (Ac.Ft)     0.369     0.000     0.000     0.000     0.000
        ********************************************************************


        ------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.500 to Point/Station       10.700
        **** STREAM ROUTING SCS CONVEX METHOD ****
        __________________________________________________________________
        HYDROGRAPH STREAM ROUTING DATA:
        Length of stream =   1567.00 (Ft.)
        Elevation difference =   33.00 (Ft.)
        Slope of channel =  0.021059 (Vert/Horiz)
        Channel type - Pipe


        Pipe length  =  1567.00(Ft.)   Elevation difference =  33.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using mean flow rate of hydrograph
        Required pipe flow  =     4.575(CFS)
        Given pipe size =     30.00(In.)
        Calculated individual pipe flow  =     4.575(CFS)
        Normal flow depth in pipe =    5.63(In.)
        Flow top width inside pipe =   23.42(In.)
        Critical Depth =    0.70(Ft.)
        Pipe flow velocity =      7.18(Ft/s)
        Travel time through pipe =    3.64 min.


        Pipe length  =  1567.00(Ft.)   Elevation difference =  33.00(Ft.)
        Manning's N = 0.013   No. of pipes = 1
        Pipe evaluation using maximum flow rate of hydrograph
        Required pipe flow  =    15.454(CFS)
        Given pipe size =     30.00(In.)
        Calculated individual pipe flow  =    15.454(CFS)
        Normal flow depth in pipe =   10.43(In.)
        Flow top width inside pipe =   28.57(In.)
        Critical Depth =    1.33(Ft.)
        Pipe flow velocity =     10.19(Ft/s)
        Travel time through pipe =    2.56 min.


        ********************** SCS CONVEX CHANNEL ROUTING **********************
        Convex method of stream routing  data items:
        Using equation: Outflow =
        O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
                  where c* = 1 - (1-c)^e and dt = c(length)/velocity
                  c(v/v+1.7) =   0.8570   Travel time =   2.56 (min.)
                dt*(unit time interval) =   5.00(min.),  e=   1.8504
                dt(routing time-step) =   2.20 (min.),   c* =   0.9726

        Output hydrograph delayed by 0  unit time increments


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        P R I N T  O F  S T O R M
                      R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ------------------------------------------------------------------
Time(h+m) Out = O(CFS) In = I  0        3.9       7.7       11.6      15.5
------------------------------------------------------------------------
  0+ 5       0.0863      0.16  O         |         |         |         |
  0+10       0.2700      0.37  O         |         |         |         |
  0+15       0.3818      0.40  OI        |         |         |         |
  0+20       0.4452      0.48  |O        |         |         |         |
  0+25       0.5402      0.59  |O        |         |         |         |
  0+30       0.5962      0.60  |O        |         |         |         |
  0+35       0.6063      0.61  |O        |         |         |         |
  0+40       0.6079      0.61  |O        |         |         |         |
  0+45       0.6079      0.61  |O        |         |         |         |
  0+50       0.6511      0.69  |O        |         |         |         |
  0+55       0.7429      0.79  |OI       |         |         |         |
  1+ 0       0.7988      0.81  | O       |         |         |         |
  1+ 5       0.7658      0.73  |O        |         |         |         |
  1+10       0.6755      0.63  |O        |         |         |         |
  1+15       0.6196      0.61  |O        |         |         |         |
  1+20       0.6095      0.61  |O        |         |         |         |
```

1+25	0.6079	0.61	|O	|	|	|	|
1+30	0.6079	0.61	|O	|	|	|	|
1+35	0.6079	0.61	|O	|	|	|	|
1+40	0.6079	0.61	|O	|	|	|	|
1+45	0.6079	0.61	|O	|	|	|	|
1+50	0.6511	0.69	|O	|	|	|	|
1+55	0.7429	0.79	|OI	|	|	|	|
2+ 0	0.7988	0.81	| O	|	|	|	|
2+ 5	0.8089	0.81	| O	|	|	|	|
2+10	0.8105	0.81	| O	|	|	|	|
2+15	0.8105	0.81	| O	|	|	|	|
2+20	0.8105	0.81	| O	|	|	|	|
2+25	0.8105	0.81	| O	|	|	|	|
2+30	0.8105	0.81	| O	|	|	|	|
2+35	0.8537	0.89	| O	|	|	|	|
2+40	0.9455	0.99	| O	|	|	|	|
2+45	1.0014	1.01	| O	|	|	|	|
2+50	1.0116	1.01	| O	|	|	|	|
2+55	1.0131	1.01	| O	|	|	|	|
3+ 0	1.0132	1.01	| O	|	|	|	|
3+ 5	1.0132	1.01	| O	|	|	|	|
3+10	1.0132	1.01	| O	|	|	|	|
3+15	1.0132	1.01	| O	|	|	|	|
3+20	1.0132	1.01	| O	|	|	|	|
3+25	1.0132	1.01	| O	|	|	|	|
3+30	1.0132	1.01	| O	|	|	|	|
3+35	1.0132	1.01	| O	|	|	|	|
3+40	1.0132	1.01	| O	|	|	|	|
3+45	1.0132	1.01	| O	|	|	|	|
3+50	1.0563	1.09	| O	|	|	|	|
3+55	1.1482	1.20	| OI	|	|	|	|
4+ 0	1.2041	1.21	| O	|	|	|	|
4+ 5	1.2142	1.22	| O	|	|	|	|
4+10	1.2158	1.22	| O	|	|	|	|
4+15	1.2158	1.22	| O	|	|	|	|
4+20	1.2590	1.29	| O	|	|	|	|
4+25	1.3508	1.40	| O	|	|	|	|
4+30	1.4067	1.42	| O	|	|	|	|
4+35	1.4168	1.42	| O	|	|	|	|
4+40	1.4184	1.42	| O	|	|	|	|
4+45	1.4184	1.42	| O	|	|	|	|
4+50	1.4616	1.50	| O	|	|	|	|
4+55	1.5534	1.60	| O	|	|	|	|
5+ 0	1.6093	1.62	| O	|	|	|	|
5+ 5	1.5331	1.46	| O	|	|	|	|
5+10	1.3510	1.25	| O	|	|	|	|
5+15	1.2392	1.22	| O	|	|	|	|
5+20	1.2622	1.29	| O	|	|	|	|
5+25	1.3509	1.40	| O	|	|	|	|
5+30	1.4067	1.42	| O	|	|	|	|
5+35	1.4600	1.50	| O	|	|	|	|
5+40	1.5534	1.60	| O	|	|	|	|
5+45	1.6093	1.62	| O	|	|	|	|
5+50	1.6195	1.62	| O	|	|	|	|
5+55	1.6210	1.62	| O	|	|	|	|
6+ 0	1.6211	1.62	| O	|	|	|	|
6+ 5	1.6642	1.70	| O	|	|	|	|
6+10	1.7561	1.80	| O	|	|	|	|
6+15	1.8120	1.82	| O	|	|	|	|
6+20	1.8221	1.82	| O	|	|	|	|
6+25	1.8237	1.82	| O	|	|	|	|
6+30	1.8237	1.82	| O	|	|	|	|
6+35	1.8669	1.90	| O	|	|	|	|
6+40	1.9587	2.01	| O	|	|	|	|
6+45	2.0146	2.02	| O	|	|	|	|
6+50	2.0247	2.03	| O	|	|	|	|
6+55	2.0263	2.03	| O	|	|	|	|
7+ 0	2.0263	2.03	| O	|	|	|	|
7+ 5	2.0263	2.03	| O	|	|	|	|
7+10	2.0263	2.03	| O	|	|	|	|
7+15	2.0263	2.03	| O	|	|	|	|
7+20	2.0695	2.11	| O	|	|	|	|
7+25	2.1614	2.21	| O	|	|	|	|
7+30	2.2172	2.23	| O	|	|	|	|
7+35	2.2705	2.31	| O	|	|	|	|
7+40	2.3639	2.41	| O	|	|	|	|
7+45	2.4199	2.43	| O	|	|	|	|
7+50	2.4732	2.51	| O	|	|	|	|
7+55	2.5666	2.61	| O	|	|	|	|
8+ 0	2.6225	2.63	| O	|	|	|	|
8+ 5	2.7190	2.79	| O	|	|	|	|
8+10	2.9042	3.00	| O	|	|	|	|
8+15	3.0161	3.03	| O	|	|	|	|
8+20	3.0363	3.04	| O	|	|	|	|
8+25	3.0394	3.04	| O	|	|	|	|
8+30	3.0395	3.04	| O	|	|	|	|
8+35	3.1648	3.27	| O	|	|	|	|
8+40	3.4369	3.58	| OI	|	|	|	|
8+45	3.6167	3.65	| O	|	|	|	|
8+50	3.7943	3.91	| OI	|	|	|	|
8+55	4.0874	4.24	| O	|	|	|	|
9+ 0	4.2735	4.31	| O	|	|	|	|
9+ 5	4.5752	4.80	| OI	|	|	|	|
9+10	5.1306	5.42	| OI	|	|	|	|
9+15	5.4762	5.54	| O	|	|	|	|
9+20	5.6833	5.81	| OI	|	|	|	|
9+25	5.9805	6.13	| O	|	|	|	|
9+30	6.1663	6.20	| OI	|	|	|	|
9+35	6.3442	6.46	| O	|	|	|	|
9+40	6.6367	6.79	| O	|	|	|	|
9+45	6.8221	6.86	| O	|	|	|	|
9+50	6.9998	7.12	| O	|	|	|	|
9+55	7.2921	7.44	| OI	|	|	|	|
10+ 0	7.4772	7.51	| O	|	|	|	|
10+ 5	6.6679	5.96	| I O	|	|	|	|
10+10	4.8607	3.91	| I O	|	|	|	|
10+15	3.7679	3.61	| O	|	|	|	|
10+20	3.5907	3.57	| O	|	|	|	|
10+25	3.5842	3.59	| O	|	|	|	|
10+30	3.6082	3.62	| O	|	|	|	|
10+35	4.2496	4.78	| O I	|	|	|	|
10+40	5.5863	6.29	| O I	|	|	|	|
10+45	6.4094	6.55	| O	|	|	|	|
10+50	6.5783	6.61	| O	|	|	|	|
10+55	6.6251	6.64	| O	|	|	|	|
11+ 0	6.6500	6.66	| O	|	|	|	|
11+ 5	6.5509	6.46	| O	|	|	|	|
11+10	6.3127	6.19	| O	|	|	|	|
11+15	6.1770	6.16	| O	|	|	|	|
11+20	6.1721	6.18	| O	|	|	|	|
11+25	6.1915	6.20	| O	|	|	|	|
11+30	6.2152	6.23	| O	|	|	|	|
11+35	5.9922	5.80	| O	|	|	|	|
11+40	5.4910	5.23	| IO	|	|	|	|

11+45	5.1951	5.16	|	| O	|	|	|		16+55	0.6079	0.61	|O	|	|	|	|
11+50	5.2841	5.39	|	| O	|	|	|		17+ 0	0.6079	0.61	|O	|	|	|	|
11+55	5.5609	5.71	|	| O	|	|	|		17+ 5	0.6942	0.77	|O	|	|	|	|
12+ 0	5.7437	5.78	|	| O	|	|	|		17+10	0.8779	0.97	| O	|	|	|	|
12+ 5	6.6592	7.39	|	| O I|	|	|			17+15	0.9897	1.01	| O	|	|	|	|
12+10	8.5236	9.50	|	| O I	|	|			17+20	1.0099	1.01	| O	|	|	|	|
12+15	9.6647	9.85	|	| O	|	|			17+25	1.0131	1.01	| O	|	|	|	|
12+20	10.0132	10.16	|	| OI	|	|			17+30	1.0132	1.01	| O	|	|	|	|
12+25	10.3298	10.48	|	| OI	|	|			17+35	1.0132	1.01	| O	|	|	|	|
12+30	10.5131	10.55	|	| O	|	|			17+40	1.0132	1.01	| O	|	|	|	|
12+35	10.8113	11.03	|	| OI	|	|			17+45	1.0132	1.01	| O	|	|	|	|
12+40	11.3632	11.65	|	| OI	|	|			17+50	0.9700	0.93	| O	|	|	|	|
12+45	11.7052	11.77	|	| O	|	|			17+55	0.8782	0.83	| O	|	|	|	|
12+50	11.9087	12.03	|	| OI	|	|			18+ 0	0.8223	0.81	| O	|	|	|	|
12+55	12.2024	12.35	|	|O	|	|			18+ 5	0.8121	0.81	| O	|	|	|	|
13+ 0	12.3845	12.42	|	| O	|	|			18+10	0.8106	0.81	| O	|	|	|	|
13+ 5	13.0523	13.58	|	| O I	|	|			18+15	0.8105	0.81	| O	|	|	|	|
13+10	14.3908	15.09	|	| O I|	|	|			18+20	0.8105	0.81	| O	|	|	|	|
13+15	15.2114	15.35	|	| O|	|	|			18+25	0.8105	0.81	| O	|	|	|	|
13+20	15.3777	15.41	|	| O|	|	|			18+30	0.8105	0.81	| O	|	|	|	|
13+25	15.4218	15.43	|	| O|	|	|			18+35	0.7674	0.73	|O	|	|	|	|
13+30	15.4441	15.45	|	| OI	|	|			18+40	0.6755	0.63	|O	|	|	|	|
13+35	14.1088	12.99	|	| I O	|	|			18+45	0.6196	0.61	|O	|	|	|	|
13+40	11.2439	9.73	|	| I O|	|	|			18+50	0.5663	0.53	|O	|	|	|	|
13+45	9.5084	9.24	|	| IO	|	|			18+55	0.4729	0.42	|O	|	|	|	|
13+50	9.2119	9.17	|	| O	|	|			19+ 0	0.4170	0.41	|O	|	|	|	|
13+55	9.1839	9.19	|	| O	|	|			19+ 5	0.4501	0.48	|O	|	|	|	|
14+ 0	9.2036	9.21	|	| O	|	|			19+10	0.5403	0.59	|O	|	|	|	|
14+ 5	9.7180	10.14	|	| OI	|	|			19+15	0.5962	0.60	|O	|	|	|	|
14+10	10.7885	11.35	|	| O I|	|	|			19+20	0.6495	0.69	|O	|	|	|	|
14+15	11.4481	11.56	|	| O|	|	|			19+25	0.7429	0.79	|OI	|	|	|	|
14+20	11.4610	11.39	|	| O|	|	|			19+30	0.7988	0.81	| O	|	|	|	|
14+25	11.2371	11.11	|	| IO|	|	|			19+35	0.7658	0.73	|O	|	|	|	|
14+30	11.0984	11.08	|	| O |	|	|			19+40	0.6755	0.63	|O	|	|	|	|
14+35	11.0900	11.09	|	| O |	|	|			19+45	0.6196	0.61	|O	|	|	|	|
14+40	11.1058	11.12	|	| O |	|	|			19+50	0.5663	0.53	|O	|	|	|	|
14+45	11.1259	11.14	|	| O |	|	|			19+55	0.4729	0.42	|O	|	|	|	|
14+50	11.0227	10.93	|	| O |	|	|			20+ 0	0.4170	0.41	|O	|	|	|	|
14+55	10.7803	10.65	|	| O	|	|			20+ 5	0.4501	0.48	|O	|	|	|	|
15+ 0	10.6405	10.62	|	| O	|	|			20+10	0.5403	0.59	|O	|	|	|	|
15+ 5	10.5081	10.41	|	| IO	|	|			20+15	0.5962	0.60	|O	|	|	|	|
15+10	10.2610	10.13	|	| O	|	|			20+20	0.6063	0.61	|O	|	|	|	|
15+15	10.1207	10.11	|	| O	|	|			20+25	0.6079	0.61	|O	|	|	|	|
15+20	9.9880	9.89	|	| O	|	|			20+30	0.6079	0.61	|O	|	|	|	|
15+25	9.7406	9.61	|	| IO	|	|			20+35	0.6079	0.61	|O	|	|	|	|
15+30	9.6001	9.58	|	| O	|	|			20+40	0.6079	0.61	|O	|	|	|	|
15+35	9.0970	8.69	|	| IO	|	|			20+45	0.6079	0.61	|O	|	|	|	|
15+40	8.0620	7.52	|	IO	|	|			20+50	0.5647	0.53	|O	|	|	|	|
15+45	7.4420	7.35	|	O|	|	|			20+55	0.4729	0.42	|O	|	|	|	|
15+50	7.3454	7.34	|	IO|	|	|			21+ 0	0.4170	0.41	|O	|	|	|	|
15+55	7.3463	7.35	|	O|	|	|			21+ 5	0.4501	0.48	|O	|	|	|	|
16+ 0	7.3645	7.37	|	O|	|	|			21+10	0.5403	0.59	|O	|	|	|	|
16+ 5	5.9781	4.81	|	| I O	|	|			21+15	0.5962	0.60	|O	|	|	|	|
16+10	3.0038	1.43	| I O	|	|	|			21+20	0.5631	0.53	|O	|	|	|	|
16+15	1.1908	0.91	| IO	|	|	|			21+25	0.4728	0.42	|O	|	|	|	|
16+20	0.8628	0.81	| O	|	|	|			21+30	0.4170	0.41	|O	|	|	|	|
16+25	0.8120	0.81	| O	|	|	|			21+35	0.4501	0.48	|O	|	|	|	|
16+30	0.8106	0.81	| O	|	|	|			21+40	0.5403	0.59	|O	|	|	|	|
16+35	0.7674	0.73	|O	|	|	|			21+45	0.5962	0.60	|O	|	|	|	|
16+40	0.6755	0.63	|O	|	|	|			21+50	0.5631	0.53	|O	|	|	|	|
16+45	0.6196	0.61	|O	|	|	|			21+55	0.4728	0.42	|O	|	|	|	|
16+50	0.6095	0.61	|O	|	|	|			22+ 0	0.4170	0.41	|O	|	|	|	|

```
  22+ 5       0.4501      0.48  |O        |         |         |         |
  22+10       0.5403      0.59  |O        |         |         |         |
  22+15       0.5962      0.60  |O        |         |         |         |
  22+20       0.5631      0.53  |O        |         |         |         |
  22+25       0.4728      0.42  |O        |         |         |         |
  22+30       0.4170      0.41  |O        |         |         |         |
  22+35       0.4069      0.41  |O        |         |         |         |
  22+40       0.4053      0.41  |O        |         |         |         |
  22+45       0.4053      0.41  |O        |         |         |         |
  22+50       0.4053      0.41  |O        |         |         |         |
  22+55       0.4053      0.41  |O        |         |         |         |
  23+ 0       0.4053      0.41  |O        |         |         |         |
  23+ 5       0.4053      0.41  |O        |         |         |         |
  23+10       0.4053      0.41  |O        |         |         |         |
  23+15       0.4053      0.41  |O        |         |         |         |
  23+20       0.4053      0.41  |O        |         |         |         |
  23+25       0.4053      0.41  |O        |         |         |         |
  23+30       0.4053      0.41  |O        |         |         |         |
  23+35       0.4053      0.41  |O        |         |         |         |
  23+40       0.4053      0.41  |O        |         |         |         |
  23+45       0.4053      0.41  |O        |         |         |         |
  23+50       0.4053      0.41  |O        |         |         |         |
  23+55       0.4053      0.41  |O        |         |         |         |
  24+ 0       0.4053      0.41  |O        |         |         |         |
  24+ 5       0.3189      0.25  O         |         |         |         |
  24+10       0.1352      0.04  O         |         |         |         |
  24+15       0.0234      0.01  O         |         |         |         |
  24+20       0.0032      0.00  O         |         |         |         |
  24+25       0.0000      0.00  O         |         |         |         |
--------------------------------------------------------------------
       ****************************HYDROGRAPH DATA****************************
                     Number of intervals =   293
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       15.444 (CFS)
                     Total volume =       6.558 (Ac.Ft)
              Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.354     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)     0.369     0.000     0.000     0.000     0.000
       **********************************************************************

       ----------------------------------------------------------------------


       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
       Process from Point/Station       10.600 to Point/Station       10.700
       **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
       ______________________________________________________________________
       ******************** HYDROGRAPH INFORMATION **********************

                     From study/file name: MESAP10C10024100.rte
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
       ----------------------------------------------------------------------
                Hydrograph in   5   Minute intervals (CFS)

       ----------------------------------------------------------------------
 Time(h+m) Add q(CFS)  Tot. Q   0        7.0      14.1      21.1      28.2
 ----------------------------------------------------------------------
   0+ 5       0.1563      0.24  Q         |         |         |         |
   0+10       0.3456      0.62  Q         |         |         |         |
   0+15       0.3716      0.75  qQ        |         |         |         |
   0+20       0.4542      0.90  qQ        |         |         |         |
   0+25       0.5488      1.09  qQ        |         |         |         |
   0+30       0.5618      1.16  qQ        |         |         |         |
   0+35       0.5640      1.17  qQ        |         |         |         |
   0+40       0.5640      1.17  qQ        |         |         |         |
   0+45       0.5640      1.17  qQ        |         |         |         |
   0+50       0.6422      1.29  qQ        |         |         |         |
   0+55       0.7368      1.48  |qQ       |         |         |         |
   1+ 0       0.7498      1.55  |qQ       |         |         |         |
   1+ 5       0.6739      1.44  q Q       |         |         |         |
   1+10       0.5792      1.25  qQ        |         |         |         |
   1+15       0.5662      1.19  qQ        |         |         |         |
   1+20       0.5640      1.17  qQ        |         |         |         |
   1+25       0.5640      1.17  qQ        |         |         |         |
   1+30       0.5640      1.17  qQ        |         |         |         |
   1+35       0.5640      1.17  qQ        |         |         |         |
   1+40       0.5640      1.17  qQ        |         |         |         |
   1+45       0.5640      1.17  qQ        |         |         |         |
   1+50       0.6422      1.29  qQ        |         |         |         |
   1+55       0.7368      1.48  |qQ       |         |         |         |
   2+ 0       0.7498      1.55  |qQ       |         |         |         |
   2+ 5       0.7520      1.56  |qQ       |         |         |         |
   2+10       0.7520      1.56  |qQ       |         |         |         |
   2+15       0.7520      1.56  |qQ       |         |         |         |
   2+20       0.7520      1.56  |qQ       |         |         |         |
   2+25       0.7520      1.56  |qQ       |         |         |         |
   2+30       0.7520      1.56  |qQ       |         |         |         |
   2+35       0.8302      1.68  |qQ       |         |         |         |
   2+40       0.9248      1.87  |qQ       |         |         |         |
   2+45       0.9378      1.94  |qQ       |         |         |         |
   2+50       0.9400      1.95  |qQ       |         |         |         |
   2+55       0.9400      1.95  |qQ       |         |         |         |
   3+ 0       0.9400      1.95  |qQ       |         |         |         |
   3+ 5       0.9400      1.95  |qQ       |         |         |         |
   3+10       0.9400      1.95  |qQ       |         |         |         |
   3+15       0.9400      1.95  |qQ       |         |         |         |
   3+20       0.9400      1.95  |qQ       |         |         |         |
   3+25       0.9400      1.95  |qQ       |         |         |         |
   3+30       0.9400      1.95  |qQ       |         |         |         |
   3+35       0.9400      1.95  |qQ       |         |         |         |
   3+40       0.9400      1.95  |qQ       |         |         |         |
   3+45       0.9400      1.95  |qQ       |         |         |         |
   3+50       1.0182      2.07  |qQ       |         |         |         |
   3+55       1.1128      2.26  |q Q      |         |         |         |
   4+ 0       1.1258      2.33  |q Q      |         |         |         |
   4+ 5       1.1281      2.34  |q Q      |         |         |         |
   4+10       1.1281      2.34  |q Q      |         |         |         |
   4+15       1.1281      2.34  |q Q      |         |         |         |
   4+20       1.2062      2.47  |q Q      |         |         |         |
   4+25       1.3009      2.65  |q Q      |         |         |         |
   4+30       1.3138      2.72  |q Q      |         |         |         |
   4+35       1.3161      2.73  |q Q      |         |         |         |
   4+40       1.3161      2.73  |q Q      |         |         |         |
   4+45       1.3161      2.73  |q Q      |         |         |         |
   4+50       1.3942      2.86  |q  Q     |         |         |         |
   4+55       1.4889      3.04  | q Q     |         |         |         |
   5+ 0       1.5018      3.11  | q Q     |         |         |         |
   5+ 5       1.3478      2.88  |q  Q     |         |         |         |
   5+10       1.1585      2.51  |q Q      |         |         |         |
   5+15       1.1325      2.37  |q Q      |         |         |         |
   5+20       1.2062      2.47  |q Q      |         |         |         |
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5+25	1.3009	2.65	q Q
5+30	1.3138	2.72	q Q
5+35	1.3942	2.85	q Q
5+40	1.4889	3.04	q Q
5+45	1.5018	3.11	q Q
5+50	1.5041	3.12	q Q
5+55	1.5041	3.13	q Q
6+ 0	1.5041	3.13	q Q
6+ 5	1.5822	3.25	q Q
6+10	1.6769	3.43	q Q
6+15	1.6899	3.50	q Q
6+20	1.6921	3.51	q Q
6+25	1.6921	3.52	q Q
6+30	1.6921	3.52	q Q
6+35	1.7702	3.64	q Q
6+40	1.8649	3.82	q Q
6+45	1.8779	3.89	q Q
6+50	1.8801	3.90	q Q
6+55	1.8801	3.91	q Q
7+ 0	1.8801	3.91	q Q
7+ 5	1.8801	3.91	q Q
7+10	1.8801	3.91	q Q
7+15	1.8801	3.91	q Q
7+20	1.9582	4.03	q Q
7+25	2.0529	4.21	q Q
7+30	2.0659	4.28	q Q
7+35	2.1462	4.42	q Q
7+40	2.2409	4.60	q Q
7+45	2.2539	4.67	q Q
7+50	2.3342	4.81	q Q
7+55	2.4289	5.00	q Q
8+ 0	2.4419	5.06	q Q
8+ 5	2.6529	5.37	q Q
8+10	2.9134	5.82	q Q
8+15	2.9649	5.98	q Q
8+20	2.9888	6.03	q Q
8+25	3.0070	6.05	q Q
8+30	3.0251	6.06	q Q
8+35	3.2338	6.40	q Q
8+40	3.4827	6.92	q Q
8+45	3.5323	7.15	q Q
8+50	3.7462	7.54	q Q
8+55	3.9949	8.08	q Q
9+ 0	4.0444	8.32	q Q
9+ 5	4.4488	9.02	q Q
9+10	4.9282	10.06	q Q
9+15	5.0092	10.49	q Q
9+20	5.2282	10.91	q Q
9+25	5.4766	11.46	q Q
9+30	5.5257	11.69	q Q
9+35	5.7391	12.08	q Q
9+40	5.9874	12.62	q Q
9+45	6.0363	12.86	q Q
9+50	6.2496	13.25	q Q
9+55	6.4977	13.79	q Q
10+ 0	6.5465	14.02	q Q
10+ 5	5.2348	11.90	q Q
10+10	3.6357	8.50	q Q
10+15	3.4309	7.20	q Q
10+20	3.4100	7.00	q Q
10+25	3.4268	7.01	q Q
10+30	3.4436	7.05	q Q
10+35	4.4134	8.66	q Q
10+40	5.5844	11.17	q Q
10+45	5.7594	12.17	q Q
10+50	5.8030	12.38	q Q
10+55	5.8196	12.44	q Q
11+ 0	5.8360	12.49	q Q
11+ 5	5.6618	12.21	q Q
11+10	5.4473	11.76	q Q
11+15	5.4319	11.61	q Q
11+20	5.4427	11.61	q Q
11+25	5.4589	11.65	q Q
11+30	5.4750	11.69	q Q
11+35	5.1099	11.10	q Q
11+40	4.6641	10.16	q Q
11+45	4.6167	9.81	q Q
11+50	4.8124	10.10	q Q
11+55	5.0590	10.62	q Q
12+ 0	5.1065	10.85	q Q
12+ 5	6.4618	13.12	q Q
12+10	8.0935	16.62	q Q
12+15	8.3308	18.00	q Q
12+20	8.5748	18.59	q Q
12+25	8.8212	19.15	q Q
12+30	8.8682	19.38	q Q
12+35	9.2702	20.08	q Q
12+40	9.7472	21.11	q Q
12+45	9.8258	21.53	q Q
12+50	10.0423	21.95	q Q
12+55	10.2883	22.49	q Q
13+ 0	10.3350	22.72	q Q
13+ 5	11.3084	24.36	q Q
13+10	12.4777	26.87	q Q
13+15	12.6509	27.86	q Q
13+20	12.6927	28.07	q Q
13+25	12.7074	28.13	q Q
13+30	12.7221	28.17	q Q
13+35	10.6401	24.75	q Q
13+40	8.1150	19.36	q Q
13+45	7.7811	17.29	q Q
13+50	7.7359	16.95	q Q
13+55	7.7503	16.93	q Q
14+ 0	7.7645	16.97	q Q
14+ 5	8.5412	18.26	q Q
14+10	9.4788	20.27	q Q
14+15	9.6196	21.07	q Q
14+20	9.4646	20.93	q Q
14+25	9.2477	20.48	q Q
14+30	9.2299	20.33	q Q
14+35	9.2383	20.33	q Q
14+40	9.2521	20.36	q Q
14+45	9.2657	20.39	q Q
14+50	9.0888	20.11	q Q
14+55	8.8714	19.65	q Q
15+ 0	8.8532	19.49	q Q
15+ 5	8.6706	19.18	q Q
15+10	8.4531	18.71	q Q
15+15	8.4347	18.56	q Q
15+20	8.2519	18.24	q Q
15+25	8.0342	17.77	q Q
15+30	8.0156	17.62	q Q
15+35	7.2608	16.36	q Q
15+40	6.3502	14.41	q Q

15+45	6.2364	13.68	| q |	Q|	|	|	|
15+50	6.2275	13.57	| q |	Q|	|	|	|
15+55	6.2402	13.59	| q |	Q|	|	|	|
16+ 0	6.2529	13.62	| q |	Q|	|	|	|
16+ 5	3.9703	9.95	| q | Q |	|	|	|	|
16+10	1.1974	4.20	|q Q |	|	|	|	|
16+15	0.8171	2.01	|qQ |	|	|	|	|
16+20	0.7520	1.61	|qQ |	|	|	|	|
16+25	0.7520	1.56	|qQ |	|	|	|	|
16+30	0.7520	1.56	|qQ |	|	|	|	|
16+35	0.6739	1.44	q Q |	|	|	|	|
16+40	0.5792	1.25	qQ |	|	|	|	|
16+45	0.5662	1.19	qQ |	|	|	|	|
16+50	0.5640	1.17	qQ |	|	|	|	|
16+55	0.5640	1.17	qQ |	|	|	|	|
17+ 0	0.5640	1.17	qQ |	|	|	|	|
17+ 5	0.7203	1.41	|qQ |	|	|	|	|
17+10	0.9096	1.79	|qQ |	|	|	|	|
17+15	0.9356	1.93	|qQ |	|	|	|	|
17+20	0.9400	1.95	|qQ |	|	|	|	|
17+25	0.9400	1.95	|qQ |	|	|	|	|
17+30	0.9400	1.95	|qQ |	|	|	|	|
17+35	0.9400	1.95	|qQ |	|	|	|	|
17+40	0.9400	1.95	|qQ |	|	|	|	|
17+45	0.9400	1.95	|qQ |	|	|	|	|
17+50	0.8619	1.83	|qQ |	|	|	|	|
17+55	0.7672	1.65	|qQ |	|	|	|	|
18+ 0	0.7543	1.58	|qQ |	|	|	|	|
18+ 5	0.7520	1.56	|qQ |	|	|	|	|
18+10	0.7520	1.56	|qQ |	|	|	|	|
18+15	0.7520	1.56	|qQ |	|	|	|	|
18+20	0.7520	1.56	|qQ |	|	|	|	|
18+25	0.7520	1.56	|qQ |	|	|	|	|
18+30	0.7520	1.56	|qQ |	|	|	|	|
18+35	0.6739	1.44	q Q |	|	|	|	|
18+40	0.5792	1.25	qQ |	|	|	|	|
18+45	0.5662	1.19	qQ |	|	|	|	|
18+50	0.4859	1.05	qQ |	|	|	|	|
18+55	0.3912	0.86	qQ |	|	|	|	|
19+ 0	0.3782	0.80	qQ |	|	|	|	|
19+ 5	0.4542	0.90	qQ |	|	|	|	|
19+10	0.5488	1.09	qQ |	|	|	|	|
19+15	0.5618	1.16	qQ |	|	|	|	|
19+20	0.6422	1.29	qQ |	|	|	|	|
19+25	0.7368	1.48	|qQ |	|	|	|	|
19+30	0.7498	1.55	|qQ |	|	|	|	|
19+35	0.6739	1.44	q Q |	|	|	|	|
19+40	0.5792	1.25	qQ |	|	|	|	|
19+45	0.5662	1.19	qQ |	|	|	|	|
19+50	0.4859	1.05	qQ |	|	|	|	|
19+55	0.3912	0.86	qQ |	|	|	|	|
20+ 0	0.3782	0.80	qQ |	|	|	|	|
20+ 5	0.4542	0.90	qQ |	|	|	|	|
20+10	0.5488	1.09	qQ |	|	|	|	|
20+15	0.5618	1.16	qQ |	|	|	|	|
20+20	0.5640	1.17	qQ |	|	|	|	|
20+25	0.5640	1.17	qQ |	|	|	|	|
20+30	0.5640	1.17	qQ |	|	|	|	|
20+35	0.5640	1.17	qQ |	|	|	|	|
20+40	0.5640	1.17	qQ |	|	|	|	|
20+45	0.5640	1.17	qQ |	|	|	|	|
20+50	0.4859	1.05	qQ |	|	|	|	|
20+55	0.3912	0.86	qQ |	|	|	|	|
21+ 0	0.3782	0.80	qQ |	|	|	|	|
21+ 5	0.4542	0.90	qQ |	|	|	|	|
21+10	0.5488	1.09	qQ |	|	|	|	|
21+15	0.5618	1.16	qQ |	|	|	|	|
21+20	0.4859	1.05	qQ |	|	|	|	|
21+25	0.3912	0.86	qQ |	|	|	|	|
21+30	0.3782	0.80	qQ |	|	|	|	|
21+35	0.4542	0.90	qQ |	|	|	|	|
21+40	0.5488	1.09	qQ |	|	|	|	|
21+45	0.5618	1.16	qQ |	|	|	|	|
21+50	0.4859	1.05	qQ |	|	|	|	|
21+55	0.3912	0.86	qQ |	|	|	|	|
22+ 0	0.3782	0.80	qQ |	|	|	|	|
22+ 5	0.4542	0.90	qQ |	|	|	|	|
22+10	0.5488	1.09	qQ |	|	|	|	|
22+15	0.5618	1.16	qQ |	|	|	|	|
22+20	0.4859	1.05	qQ |	|	|	|	|
22+25	0.3912	0.86	qQ |	|	|	|	|
22+30	0.3782	0.80	qQ |	|	|	|	|
22+35	0.3760	0.78	qQ |	|	|	|	|
22+40	0.3760	0.78	qQ |	|	|	|	|
22+45	0.3760	0.78	qQ |	|	|	|	|
22+50	0.3760	0.78	qQ |	|	|	|	|
22+55	0.3760	0.78	qQ |	|	|	|	|
23+ 0	0.3760	0.78	qQ |	|	|	|	|
23+ 5	0.3760	0.78	qQ |	|	|	|	|
23+10	0.3760	0.78	qQ |	|	|	|	|
23+15	0.3760	0.78	qQ |	|	|	|	|
23+20	0.3760	0.78	qQ |	|	|	|	|
23+25	0.3760	0.78	qQ |	|	|	|	|
23+30	0.3760	0.78	qQ |	|	|	|	|
23+35	0.3760	0.78	qQ |	|	|	|	|
23+40	0.3760	0.78	qQ |	|	|	|	|
23+45	0.3760	0.78	qQ |	|	|	|	|
23+50	0.3760	0.78	qQ |	|	|	|	|
23+55	0.3760	0.78	qQ |	|	|	|	|
24+ 0	0.3760	0.78	qQ |	|	|	|	|
24+ 5	0.2197	0.54	Q |	|	|	|	|
24+10	0.0304	0.17	Q |	|	|	|	|
24+15	0.0044	0.03	Q |	|	|	|	|
24+20	0.0000	0.00	Q |	|	|	|	|
24+25	0.0000	0.00	Q |	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 293
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 28.166 (CFS)
Total volume = 12.269 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.354	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.369	0.000	0.000	0.000	0.000

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Process from Point/Station 10.700 to Point/Station 10.900

**** STREAM ROUTING SCS CONVEX METHOD ****

```
HYDROGRAPH STREAM ROUTING DATA:
Length of stream =   1680.00 (Ft.)
Elevation difference =   76.00 (Ft.)
Slope of channel =  0.045238 (Vert/Horiz)
Channel type - Pipe


Pipe length  =  1680.00(Ft.)   Elevation difference =  76.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using mean flow rate of hydrograph
Required pipe flow  =     8.535(CFS)
Given pipe size =     42.00(In.)
Calculated individual pipe flow  =     8.535(CFS)
Normal flow depth in pipe =    5.72(In.)
Flow top width inside pipe =   28.82(In.)
Critical Depth =    0.88(Ft.)
Pipe flow velocity =     10.83(Ft/s)
Travel time through pipe =    2.58 min.


Pipe length  =  1680.00(Ft.)   Elevation difference =  76.00(Ft.)
Manning's N = 0.013   No. of pipes = 1
Pipe evaluation using maximum flow rate of hydrograph
Required pipe flow  =    28.166(CFS)
Given pipe size =     42.00(In.)
Calculated individual pipe flow  =    28.166(CFS)
Normal flow depth in pipe =   10.29(In.)
Flow top width inside pipe =   36.13(In.)
Critical Depth =    1.64(Ft.)
Pipe flow velocity =     15.40(Ft/s)
Travel time through pipe =    1.82 min.


********************** SCS CONVEX CHANNEL ROUTING **********************
Convex method of stream routing  data items:
Using equation: Outflow =
O(t+dt) = (1-c*)O(t+dt-dt*) + Input(c*)
          where c* = 1 - (1-c)^e and dt = c(length)/velocity
          c(v/v+1.7) =   0.9006   Travel time =   1.82 (min.)
        dt*(unit time interval) =   5.00(min.),  e=   2.3695
        dt(routing time-step) =   1.64 (min.),   c* =   0.9958

Output hydrograph delayed by 0  unit time increments


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
             R u n o f f     H y d r o g r a p h
----------------------------------------------------------------------
          Hydrograph in   5   Minute intervals (CFS)

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Time(h+m)	Out = O(CFS)	In = I	0	7.0	14.1	21.1	28.2
0+ 5	0.1625	0.24	O				
0+10	0.4921	0.62	O				
0+15	0.7074	0.75	|O				
0+20	0.8510	0.90	|O				
0+25	1.0262	1.09	|O				
0+30	1.1349	1.16	|O				
0+35	1.1661	1.17	|O				
0+40	1.1713	1.17	|O				
0+45	1.1719	1.17	|O				
0+50	1.2532	1.29	|O				
0+55	1.4180	1.48	| O				
1+ 0	1.5256	1.55	| O				
1+ 5	1.4755	1.44	| O				
1+10	1.3159	1.25	|O				
1+15	1.2089	1.19	|O				
1+20	1.1777	1.17	|O				
1+25	1.1725	1.17	|O				
1+30	1.1719	1.17	|O				
1+35	1.1719	1.17	|O				
1+40	1.1719	1.17	|O				
1+45	1.1719	1.17	|O				
1+50	1.2532	1.29	|O				
1+55	1.4180	1.48	| O				
2+ 0	1.5256	1.55	| O				
2+ 5	1.5568	1.56	| O				
2+10	1.5620	1.56	| O				
2+15	1.5626	1.56	| O				
2+20	1.5626	1.56	| O				
2+25	1.5626	1.56	| O				
2+30	1.5626	1.56	| O				
2+35	1.6438	1.68	| O				
2+40	1.8086	1.87	| O				
2+45	1.9163	1.94	| O				
2+50	1.9474	1.95	| O				
2+55	1.9526	1.95	| O				
3+ 0	1.9532	1.95	| O				
3+ 5	1.9532	1.95	| O				
3+10	1.9532	1.95	| O				
3+15	1.9532	1.95	| O				
3+20	1.9532	1.95	| O				
3+25	1.9532	1.95	| O				
3+30	1.9532	1.95	| O				
3+35	1.9532	1.95	| O				
3+40	1.9532	1.95	| O				
3+45	1.9532	1.95	| O				
3+50	2.0345	2.07	| O				
3+55	2.1993	2.26	| O				
4+ 0	2.3069	2.33	| O				
4+ 5	2.3381	2.34	| O				
4+10	2.3433	2.34	| O				
4+15	2.3438	2.34	| O				
4+20	2.4251	2.47	| O				
4+25	2.5899	2.65	| O				
4+30	2.6975	2.72	| O				
4+35	2.7287	2.73	| O				
4+40	2.7339	2.73	| O				
4+45	2.7345	2.73	| O				
4+50	2.8157	2.86	| OI				
4+55	2.9806	3.04	| O				
5+ 0	3.0882	3.11	| O				
5+ 5	2.9569	2.88	| O				
5+10	2.6324	2.51	| O				
5+15	2.4177	2.37	| O				
5+20	2.4367	2.47	| O				
5+25	2.5911	2.65	| O				
5+30	2.6976	2.72	| O				
5+35	2.8100	2.85	| OI				
5+40	2.9800	3.04	| O				
5+45	3.0882	3.11	| O				
5+50	3.1194	3.12	| O				

```
16+15       2.7402      2.01  | IO      |         |         |         |
16+20       1.7477      1.61  | O       |         |         |         |
16+25       1.5814      1.56  | O       |         |         |         |
16+30       1.5631      1.56  | O       |         |         |         |
16+35       1.4813      1.44  | O       |         |         |         |
16+40       1.3165      1.25  |O        |         |         |         |
16+45       1.2089      1.19  |O        |         |         |         |
16+50       1.1777      1.17  |O        |         |         |         |
16+55       1.1725      1.17  |O        |         |         |         |
17+ 0       1.1719      1.17  |O        |         |         |         |
17+ 5       1.3344      1.41  |OI       |         |         |         |
17+10       1.6640      1.79  | O       |         |         |         |
17+15       1.8793      1.93  | O       |         |         |         |
17+20       1.9417      1.95  | O       |         |         |         |
17+25       1.9521      1.95  | O       |         |         |         |
17+30       1.9532      1.95  | O       |         |         |         |
17+35       1.9532      1.95  | O       |         |         |         |
17+40       1.9532      1.95  | O       |         |         |         |
17+45       1.9532      1.95  | O       |         |         |         |
17+50       1.8720      1.83  | O       |         |         |         |
17+55       1.7072      1.65  | O       |         |         |         |
18+ 0       1.5995      1.58  | O       |         |         |         |
18+ 5       1.5683      1.56  | O       |         |         |         |
18+10       1.5631      1.56  | O       |         |         |         |
18+15       1.5626      1.56  | O       |         |         |         |
18+20       1.5626      1.56  | O       |         |         |         |
18+25       1.5626      1.56  | O       |         |         |         |
18+30       1.5626      1.56  | O       |         |         |         |
18+35       1.4813      1.44  | O       |         |         |         |
18+40       1.3165      1.25  |O        |         |         |         |
18+45       1.2089      1.19  |O        |         |         |         |
18+50       1.0965      1.05  |O        |         |         |         |
18+55       0.9264      0.86  |O        |         |         |         |
19+ 0       0.8183      0.80  |O        |         |         |         |
19+ 5       0.8683      0.90  |O        |         |         |         |
19+10       1.0279      1.09  |O        |         |         |         |
19+15       1.1350      1.16  |O        |         |         |         |
19+20       1.2474      1.29  |O        |         |         |         |
19+25       1.4174      1.48  | O       |         |         |         |
19+30       1.5256      1.55  | O       |         |         |         |
19+35       1.4755      1.44  | O       |         |         |         |
19+40       1.3159      1.25  |O        |         |         |         |
19+45       1.2089      1.19  |O        |         |         |         |
19+50       1.0965      1.05  |O        |         |         |         |
19+55       0.9264      0.86  |O        |         |         |         |
20+ 0       0.8183      0.80  |O        |         |         |         |
20+ 5       0.8683      0.90  |O        |         |         |         |
20+10       1.0279      1.09  |O        |         |         |         |
20+15       1.1350      1.16  |O        |         |         |         |
20+20       1.1661      1.17  |O        |         |         |         |
20+25       1.1713      1.17  |O        |         |         |         |
20+30       1.1719      1.17  |O        |         |         |         |
20+35       1.1719      1.17  |O        |         |         |         |
20+40       1.1719      1.17  |O        |         |         |         |
20+45       1.1719      1.17  |O        |         |         |         |
20+50       1.0907      1.05  |O        |         |         |         |
20+55       0.9259      0.86  |O        |         |         |         |
21+ 0       0.8182      0.80  |O        |         |         |         |
21+ 5       0.8683      0.90  |O        |         |         |         |
21+10       1.0279      1.09  |O        |         |         |         |
21+15       1.1350      1.16  |O        |         |         |         |
21+20       1.0849      1.05  |O        |         |         |         |
21+25       0.9253      0.86  |O        |         |         |         |
21+30       0.8182      0.80  |O        |         |         |         |
21+35       0.8683      0.90  |O        |         |         |         |
21+40       1.0279      1.09  |O        |         |         |         |
21+45       1.1350      1.16  |O        |         |         |         |
21+50       1.0849      1.05  |O        |         |         |         |
21+55       0.9253      0.86  |O        |         |         |         |
22+ 0       0.8182      0.80  |O        |         |         |         |
22+ 5       0.8683      0.90  |O        |         |         |         |
22+10       1.0279      1.09  |O        |         |         |         |
22+15       1.1350      1.16  |O        |         |         |         |
22+20       1.0849      1.05  |O        |         |         |         |
22+25       0.9253      0.86  |O        |         |         |         |
22+30       0.8182      0.80  |O        |         |         |         |
22+35       0.7871      0.78  |O        |         |         |         |
22+40       0.7819      0.78  |O        |         |         |         |
22+45       0.7813      0.78  |O        |         |         |         |
22+50       0.7813      0.78  |O        |         |         |         |
22+55       0.7813      0.78  |O        |         |         |         |
23+ 0       0.7813      0.78  |O        |         |         |         |
23+ 5       0.7813      0.78  |O        |         |         |         |
23+10       0.7813      0.78  |O        |         |         |         |
23+15       0.7813      0.78  |O        |         |         |         |
23+20       0.7813      0.78  |O        |         |         |         |
23+25       0.7813      0.78  |O        |         |         |         |
23+30       0.7813      0.78  |O        |         |         |         |
23+35       0.7813      0.78  |O        |         |         |         |
23+40       0.7813      0.78  |O        |         |         |         |
23+45       0.7813      0.78  |O        |         |         |         |
23+50       0.7813      0.78  |O        |         |         |         |
23+55       0.7813      0.78  |O        |         |         |         |
24+ 0       0.7813      0.78  |O        |         |         |         |
24+ 5       0.6188      0.54  O         |         |         |         |
24+10       0.2892      0.17  O         |         |         |         |
24+15       0.0739      0.03  O         |         |         |         |
24+20       0.0116      0.00  O         |         |         |         |
24+25       0.0011      0.00  O         |         |         |         |
24+30       0.0000      0.00  O         |         |         |         |
-------------------------------------------------------------------------

*****************************HYDROGRAPH DATA*****************************
                Number of intervals =   294
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       28.154 (CFS)
                Total volume =      12.269 (Ac.Ft)
        Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.354     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)     0.369     0.000     0.000     0.000     0.000
*************************************************************************

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Process from Point/Station       10.800 to Point/Station       10.900
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****
________________________________________________________________________
******************** HYDROGRAPH INFORMATION **********************

               From study/file name: MESAP10D10024100.rte
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                P R I N T  O F  S T O R M
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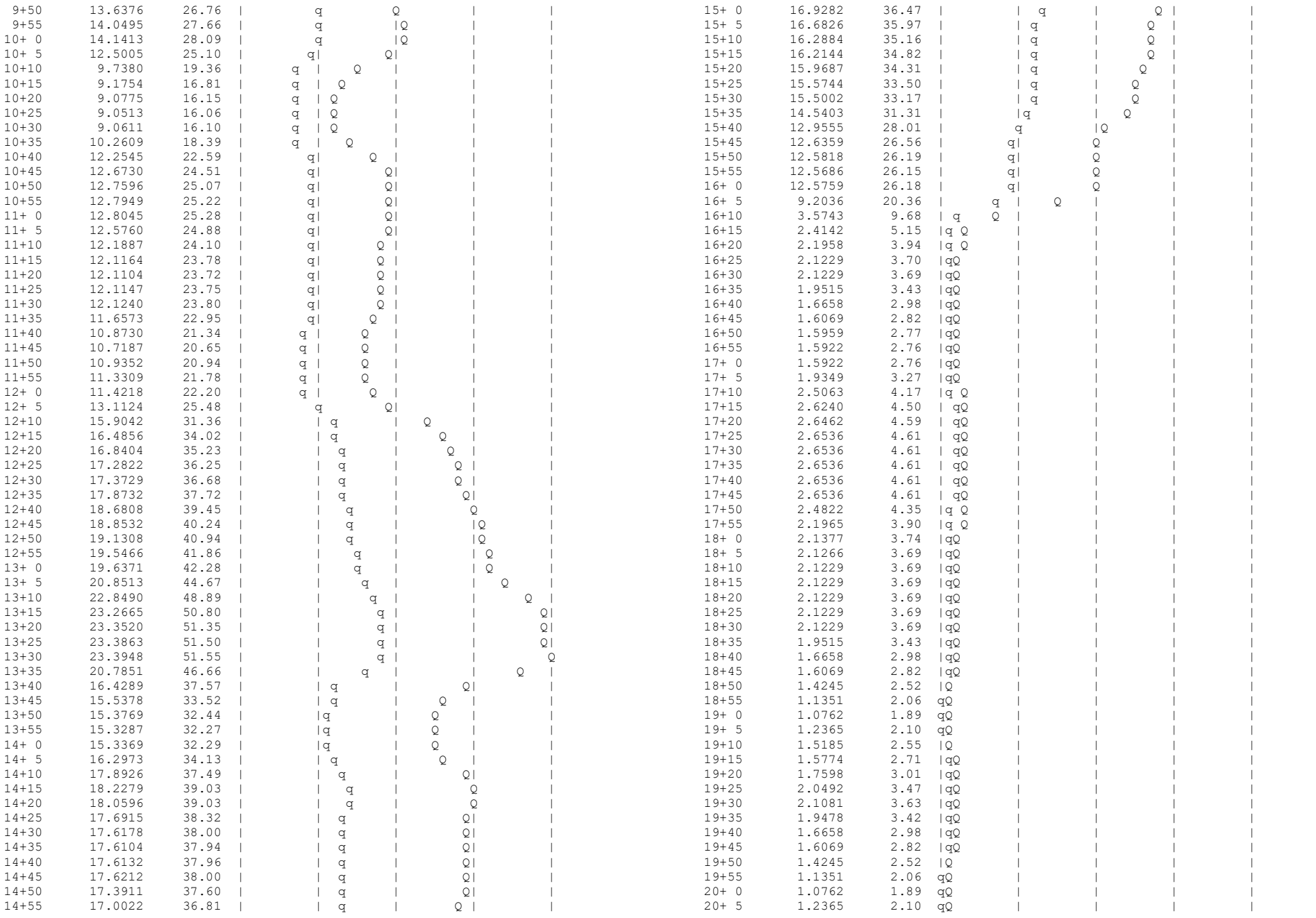
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	12.9	25.8	38.7	51.5
0+ 5	0.3427	0.51	Q				
0+10	0.9141	1.41	qQ				
0+15	1.0319	1.74	qQ				
0+20	1.2254	2.08	qQ				
0+25	1.5185	2.54	|Q				
0+30	1.5774	2.71	|qQ				
0+35	1.5885	2.75	|qQ				
0+40	1.5922	2.76	|qQ				
0+45	1.5922	2.76	|qQ				
0+50	1.7635	3.02	|qQ				
0+55	2.0492	3.47	|qQ				
1+ 0	2.1081	3.63	|qQ				
1+ 5	1.9478	3.42	|qQ				
1+10	1.6658	2.98	|qQ				
1+15	1.6069	2.82	|qQ				
1+20	1.5959	2.77	|qQ				
1+25	1.5922	2.76	|qQ				
1+30	1.5922	2.76	|qQ				
1+35	1.5922	2.76	|qQ				
1+40	1.5922	2.76	|qQ				
1+45	1.5922	2.76	|qQ				
1+50	1.7635	3.02	|qQ				
1+55	2.0492	3.47	|qQ				
2+ 0	2.1081	3.63	|qQ				
2+ 5	2.1192	3.68	|qQ				
2+10	2.1229	3.68	|qQ				
2+15	2.1229	3.69	|qQ				
2+20	2.1229	3.69	|qQ				
2+25	2.1229	3.69	|qQ				
2+30	2.1229	3.69	|qQ				
2+35	2.2942	3.94	|q Q				
2+40	2.5799	4.39	| qQ				
2+45	2.6388	4.56	| qQ				
2+50	2.6499	4.60	| qQ				
2+55	2.6536	4.61	| qQ				
3+ 0	2.6536	4.61	| qQ				
3+ 5	2.6536	4.61	| qQ				
3+10	2.6536	4.61	| qQ				
3+15	2.6536	4.61	| qQ				
3+20	2.6536	4.61	| qQ				
3+25	2.6536	4.61	| qQ				
3+30	2.6536	4.61	| qQ				
3+35	2.6536	4.61	| qQ				
3+40	2.6536	4.61	| qQ				
3+45	2.6536	4.61	| qQ				
3+50	2.8250	4.86	| qQ				
3+55	3.1106	5.31	| q Q				
4+ 0	3.1695	5.48	| q Q				
4+ 5	3.1806	5.52	| q Q				
4+10	3.1843	5.53	| q Q				
4+15	3.1843	5.53	| q Q				
4+20	3.3557	5.78	| q Q				
4+25	3.6414	6.23	| q Q				
4+30	3.7002	6.40	| q Q				
4+35	3.7113	6.44	| q Q				
4+40	3.7150	6.45	| q Q				
4+45	3.7150	6.45	| q Q				
4+50	3.8864	6.70	| q Q				
4+55	4.1721	7.15	| q Q				
5+ 0	4.2310	7.32	| q Q				
5+ 5	3.8993	6.86	| q Q				
5+10	3.3316	5.96	| q Q				
5+15	3.2139	5.63	| q Q				
5+20	3.3631	5.80	| q Q				
5+25	3.6414	6.23	| q Q				
5+30	3.7002	6.40	| q Q				
5+35	3.8827	6.69	| q Q				
5+40	4.1721	7.15	| q Q				
5+45	4.2310	7.32	| q Q				
5+50	4.2420	7.36	| q Q				
5+55	4.2457	7.37	| q Q				
6+ 0	4.2457	7.37	| q Q				
6+ 5	4.4171	7.62	| q Q				
6+10	4.7028	8.07	| q Q				
6+15	4.7617	8.24	| q Q				
6+20	4.7728	8.28	| q Q				
6+25	4.7765	8.29	| q Q				
6+30	4.7765	8.29	| q Q				
6+35	4.9478	8.54	| q Q				
6+40	5.2335	9.00	| q Q				
6+45	5.2924	9.16	| q Q				
6+50	5.3035	9.20	| q Q				
6+55	5.3072	9.21	| q Q				
7+ 0	5.3072	9.21	| q Q				
7+ 5	5.3072	9.21	| q Q				
7+10	5.3072	9.21	| q Q				
7+15	5.3072	9.21	| q Q				
7+20	5.4785	9.47	| q Q				
7+25	5.7642	9.92	| q Q				
7+30	5.8231	10.08	| q Q				
7+35	6.0475	10.42	| q Q				
7+40	6.4103	10.95	| q Q				
7+45	6.4929	11.14	| q Q				
7+50	6.7551	11.52	| q Q				
7+55	7.1672	12.10	| q Q|				
8+ 0	7.2597	12.30	| q Q|				
8+ 5	7.7618	13.03	| q Q				
8+10	8.5711	14.24	| q |Q				
8+15	8.7453	14.67	| q |Q				
8+20	8.7866	14.80	| q |Q				
8+25	8.8075	14.85	| q |Q				
8+30	8.8180	14.88	| q |Q				
8+35	9.0665	15.35	| q |Q				
8+40	9.4738	16.22	| q | Q				
8+45	9.5660	16.64	| q | Q				
8+50	9.8298	17.24	| q | Q				
8+55	10.2421	18.14	| q | Q				
9+ 0	10.3342	18.57	| q | Q				
9+ 5	10.8359	19.63	| q | Q				
9+10	11.6449	21.36	| q| Q				
9+15	11.8187	22.16	| q| Q				
9+20	12.0977	22.87	| q| Q				
9+25	12.5149	23.79	| q| Q				
9+30	12.6068	24.22	| q| Q				
9+35	12.8704	24.82	| q| Q|				
9+40	13.2824	25.73	| q Q|				
9+45	13.3742	26.15	| q Q				



```
 20+10       1.5185      2.55  |Q        |         |         |         |
 20+15       1.5774      2.71  |qQ       |         |         |         |
 20+20       1.5885      2.75  |qQ       |         |         |         |
 20+25       1.5922      2.76  |qQ       |         |         |         |
 20+30       1.5922      2.76  |qQ       |         |         |         |
 20+35       1.5922      2.76  |qQ       |         |         |         |
 20+40       1.5922      2.76  |qQ       |         |         |         |
 20+45       1.5922      2.76  |qQ       |         |         |         |
 20+50       1.4208      2.51  |Q        |         |         |         |
 20+55       1.1351      2.06  qQ       |         |         |         |
 21+ 0       1.0762      1.89  qQ       |         |         |         |
 21+ 5       1.2365      2.10  qQ       |         |         |         |
 21+10       1.5185      2.55  |Q        |         |         |         |
 21+15       1.5774      2.71  |qQ       |         |         |         |
 21+20       1.4171      2.50  |Q        |         |         |         |
 21+25       1.1351      2.06  qQ       |         |         |         |
 21+30       1.0762      1.89  qQ       |         |         |         |
 21+35       1.2365      2.10  qQ       |         |         |         |
 21+40       1.5185      2.55  |Q        |         |         |         |
 21+45       1.5774      2.71  |qQ       |         |         |         |
 21+50       1.4171      2.50  |Q        |         |         |         |
 21+55       1.1351      2.06  qQ       |         |         |         |
 22+ 0       1.0762      1.89  qQ       |         |         |         |
 22+ 5       1.2365      2.10  qQ       |         |         |         |
 22+10       1.5185      2.55  |Q        |         |         |         |
 22+15       1.5774      2.71  |qQ       |         |         |         |
 22+20       1.4171      2.50  |Q        |         |         |         |
 22+25       1.1351      2.06  qQ       |         |         |         |
 22+30       1.0762      1.89  qQ       |         |         |         |
 22+35       1.0651      1.85  qQ       |         |         |         |
 22+40       1.0614      1.84  qQ       |         |         |         |
 22+45       1.0614      1.84  qQ       |         |         |         |
 22+50       1.0614      1.84  qQ       |         |         |         |
 22+55       1.0614      1.84  qQ       |         |         |         |
 23+ 0       1.0614      1.84  qQ       |         |         |         |
 23+ 5       1.0614      1.84  qQ       |         |         |         |
 23+10       1.0614      1.84  qQ       |         |         |         |
 23+15       1.0614      1.84  qQ       |         |         |         |
 23+20       1.0614      1.84  qQ       |         |         |         |
 23+25       1.0614      1.84  qQ       |         |         |         |
 23+30       1.0614      1.84  qQ       |         |         |         |
 23+35       1.0614      1.84  qQ       |         |         |         |
 23+40       1.0614      1.84  qQ       |         |         |         |
 23+45       1.0614      1.84  qQ       |         |         |         |
 23+50       1.0614      1.84  qQ       |         |         |         |
 23+55       1.0614      1.84  qQ       |         |         |         |
 24+ 0       1.0614      1.84  qQ       |         |         |         |
 24+ 5       0.7187      1.34  qQ       |         |         |         |
 24+10       0.1473      0.44  Q        |         |         |         |
 24+15       0.0296      0.10  Q        |         |         |         |
 24+20       0.0074      0.02  Q        |         |         |         |
 24+25       0.0000      0.00  Q        |         |         |         |
 24+30       0.0000      0.00  Q        |         |         |         |
--------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =   294
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       51.549 (CFS)
                    Total volume =      25.018 (Ac.Ft)
             Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.354     0.000     0.000     0.000     0.000
```

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                Vol (Ac.Ft)      0.369     0.000     0.000     0.000     0.000
*****************************************************************************

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.900 to Point/Station       10.900
**** RETARDING BASIN ROUTING ****
______________________________________________________________________________

User entry of depth-outflow-storage data
---------------------------------------------------------------------
Total number of inflow hydrograph intervals = 294
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
---------------------------------------------------------------------
---------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
---------------------------------------------------------------------
---------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
      (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
---------------------------------------------------------------------
  0.000      0.000      0.000      0.000       0.000
  1.000      0.202      0.500      0.200       0.204
  2.000      0.459      0.730      0.456       0.462
  3.000      0.776      0.910      0.773       0.779
  4.000      1.161      1.060      1.157       1.165
  5.000      1.619      1.190      1.615       1.623
  6.000      2.155      1.300      2.151       2.159
  7.000      2.778      1.410      2.773       2.783
  8.000      3.493      1.510      3.488       3.498
  9.000      4.304      1.600      4.298       4.310
 10.000      5.213      1.690      5.207       5.219
 10.500      5.705      1.730      5.699       5.711
 11.000      6.223      1.770      6.217       6.229
 12.000      7.337     10.090      7.302       7.372
 13.000      8.556     14.950      8.505       8.607
 14.000      9.883     26.700      9.791       9.975
 15.000     11.321     68.380     11.086      11.556
 16.000     12.871    136.500     12.401      13.341
 16.500     13.690    177.350     13.079      14.301
---------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
---------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
---------------------------------------------------------------------
  Time   Inflow  Outflow    Storage                                  Depth
 (Hours)  (CFS)    (CFS)     (Ac.Ft) .0      12.9    25.77    38.66   51.55 (Ft.)
 0.083    0.51     0.00      0.002  O       |       |       |       |     0.01
 0.167    1.41     0.02      0.008  O       |       |       |       |     0.04
 0.250    1.74     0.05      0.019  OI      |       |       |       |     0.09
 0.333    2.08     0.08      0.032  OI      |       |       |       |     0.16
 0.417    2.54     0.12      0.047  OI      |       |       |       |     0.23
 0.500    2.71     0.16      0.064  OI      |       |       |       |     0.32
 0.583    2.75     0.20      0.082  OI      |       |       |       |     0.40
 0.667    2.76     0.25      0.099  OI      |       |       |       |     0.49
```

0.750	2.76	0.29	0.116	OI					0.58	5.917	7.37	1.23	1.800	O	I					5.34
0.833	3.02	0.33	0.134	OI					0.66	6.000	7.37	1.24	1.842	O	I					5.42
0.917	3.47	0.38	0.154	O I					0.76	6.083	7.62	1.24	1.885	O	I					5.50
1.000	3.63	0.43	0.175	O I					0.87	6.167	8.07	1.25	1.931	O	I					5.58
1.083	3.42	0.49	0.197	O I					0.97	6.250	8.24	1.26	1.978	O	I					5.67
1.167	2.98	0.51	0.215	OI					1.05	6.333	8.28	1.27	2.026	O	I					5.76
1.250	2.82	0.53	0.232	OI					1.12	6.417	8.29	1.28	2.075	O	I					5.85
1.333	2.77	0.54	0.247	OI					1.18	6.500	8.29	1.29	2.123	O	I					5.94
1.417	2.76	0.55	0.262	OI					1.24	6.583	8.54	1.30	2.172	O	I					6.03
1.500	2.76	0.57	0.278	OI					1.29	6.667	9.00	1.31	2.223	O	I					6.11
1.583	2.76	0.58	0.293	OI					1.35	6.750	9.16	1.32	2.277	O	I					6.20
1.667	2.76	0.59	0.308	OI					1.41	6.833	9.20	1.33	2.331	O	I					6.28
1.750	2.76	0.61	0.323	OI					1.47	6.917	9.21	1.34	2.385	O	I					6.37
1.833	3.02	0.62	0.338	OI					1.53	7.000	9.21	1.35	2.439	O	I					6.46
1.917	3.47	0.64	0.356	O I					1.60	7.083	9.21	1.36	2.493	O	I					6.54
2.000	3.63	0.66	0.376	O I					1.68	7.167	9.21	1.37	2.547	O	I					6.63
2.083	3.68	0.67	0.397	O I					1.76	7.250	9.21	1.38	2.601	O	I					6.72
2.167	3.68	0.69	0.418	O I					1.84	7.333	9.47	1.39	2.656	O	I					6.80
2.250	3.69	0.71	0.438	O I					1.92	7.417	9.92	1.40	2.713	O	I					6.90
2.333	3.69	0.73	0.458	O I					2.00	7.500	10.08	1.41	2.773	O	I					6.99
2.417	3.69	0.74	0.479	O I					2.06	7.583	10.42	1.42	2.833	O	I					7.08
2.500	3.69	0.75	0.499	O I					2.13	7.667	10.95	1.43	2.897	O	I					7.17
2.583	3.94	0.76	0.520	O I					2.19	7.750	11.14	1.44	2.963	O	I					7.26
2.667	4.39	0.78	0.543	O I					2.27	7.833	11.52	1.45	3.032	O	I					7.35
2.750	4.56	0.79	0.569	O I					2.35	7.917	12.10	1.46	3.103	O	I					7.45
2.833	4.60	0.81	0.595	O I					2.43	8.000	12.30	1.47	3.177	O	I					7.56
2.917	4.61	0.82	0.621	O I					2.51	8.083	13.03	1.48	3.254	O	I					7.67
3.000	4.61	0.84	0.647	O I					2.59	8.167	14.24	1.49	3.338	O	I					7.78
3.083	4.61	0.85	0.673	O I					2.67	8.250	14.67	1.50	3.427	O	I					7.91
3.167	4.61	0.87	0.699	O I					2.76	8.333	14.80	1.51	3.518	O	I					8.03
3.250	4.61	0.88	0.724	O I					2.84	8.417	14.85	1.52	3.610	O	I					8.14
3.333	4.61	0.90	0.750	O I					2.92	8.500	14.88	1.53	3.701	O	I					8.26
3.417	4.61	0.91	0.775	O I					3.00	8.583	15.35	1.54	3.795	O	I					8.37
3.500	4.61	0.92	0.801	O I					3.06	8.667	16.22	1.55	3.893	O	I					8.49
3.583	4.61	0.93	0.826	O I					3.13	8.750	16.64	1.57	3.995	O	I					8.62
3.667	4.61	0.94	0.852	O I					3.20	8.833	17.24	1.58	4.101	O	I					8.75
3.750	4.61	0.95	0.877	O I					3.26	8.917	18.14	1.59	4.212	O	I					8.89
3.833	4.86	0.96	0.903	O I					3.33	9.000	18.57	1.60	4.328	O	I					9.03
3.917	5.31	0.97	0.931	O I					3.40	9.083	19.63	1.61	4.448	O	I					9.16
4.000	5.48	0.98	0.962	O I					3.48	9.167	21.36	1.63	4.578	O	I					9.30
4.083	5.52	0.99	0.993	O I					3.56	9.250	22.16	1.64	4.717	O	I					9.45
4.167	5.53	1.01	1.024	O I					3.64	9.333	22.87	1.66	4.860	O	I					9.61
4.250	5.53	1.02	1.055	O I					3.72	9.417	23.79	1.67	5.010	O	I					9.78
4.333	5.78	1.03	1.087	O I					3.81	9.500	24.22	1.69	5.163	O	I					9.95
4.417	6.23	1.04	1.121	O I					3.90	9.583	24.82	1.70	5.321	O	I					10.11
4.500	6.40	1.06	1.157	O I					3.99	9.667	25.73	1.71	5.483	O	I					10.27
4.583	6.44	1.07	1.194	O I					4.07	9.750	26.15	1.73	5.650	O	I					10.44
4.667	6.45	1.08	1.231	O I					4.15	9.833	26.76	1.74	5.820	O	I					10.61
4.750	6.45	1.09	1.268	O I					4.23	9.917	27.66	1.75	5.995	O	I					10.78
4.833	6.70	1.10	1.306	O I					4.32	10.000	28.09	1.77	6.175	O	I					10.95
4.917	7.15	1.11	1.346	O I					4.40	10.083	25.10	2.67	6.343	O	I					11.11
5.000	7.32	1.12	1.388	O I					4.50	10.167	19.36	3.65	6.475	O	I					11.23
5.083	6.86	1.14	1.429	O I					4.59	10.250	16.81	4.37	6.572	O	I					11.31
5.167	5.96	1.15	1.465	O I					4.66	10.333	16.15	4.98	6.653	O	I					11.39
5.250	5.63	1.16	1.497	O I					4.73	10.417	16.06	5.54	6.727	O	I					11.45
5.333	5.80	1.16	1.529	O I					4.80	10.500	16.10	6.07	6.798	O	I					11.52
5.417	6.23	1.17	1.562	O I					4.88	10.583	18.39	6.63	6.873	O	I					11.58
5.500	6.40	1.18	1.597	O I					4.95	10.667	22.59	7.32	6.966	O	I					11.67
5.583	6.69	1.19	1.634	O I					5.03	10.750	24.51	8.14	7.075	O	I					11.77
5.667	7.15	1.20	1.674	O I					5.10	10.833	25.07	8.97	7.187	O	I					11.87
5.750	7.32	1.21	1.715	O I					5.18	10.917	25.22	9.78	7.296	O	I					11.96
5.833	7.36	1.22	1.758	O I					5.26	11.000	25.28	10.34	7.400	O	I					12.05

11.083	24.88	10.74	7.500	|	O |	I|	|	|	12.13	16.250	5.15	25.38	9.734	| I	|	O|	|	|	13.89
11.167	24.10	11.11	7.594	|	O |	I |	|	|	12.21	16.333	3.94	24.15	9.595	| I	|	O |	|	|	13.78
11.250	23.78	11.46	7.681	|	O|	I |	|	|	12.28	16.417	3.70	22.94	9.459	| I	|	O |	|	|	13.68
11.333	23.72	11.79	7.764	|	O|	I |	|	|	12.35	16.500	3.69	21.81	9.330	| I	|	O |	|	|	13.58
11.417	23.75	12.12	7.846	|	O|	I |	|	|	12.42	16.583	3.43	20.73	9.208	| I	|	O |	|	|	13.49
11.500	23.80	12.43	7.925	|	O|	I |	|	|	12.48	16.667	2.98	19.69	9.091	|I	|	O |	|	|	13.40
11.583	22.95	12.73	7.999	|	O|	I |	|	|	12.54	16.750	2.82	18.70	8.979	|I	|	O |	|	|	13.32
11.667	21.34	12.99	8.063	|	O	I |	|	|	12.60	16.833	2.77	17.75	8.873	|I	|	O |	|	|	13.24
11.750	20.65	13.20	8.118	|	O	I |	|	|	12.64	16.917	2.76	16.87	8.773	|I	|	O |	|	|	13.16
11.833	20.94	13.41	8.169	|	O	I |	|	|	12.68	17.000	2.76	16.03	8.678	|I	|O	|	|	|	13.09
11.917	21.78	13.62	8.223	|	O	I |	|	|	12.73	17.083	3.27	15.26	8.591	| I	|O	|	|	|	13.03
12.000	22.20	13.85	8.280	|	O	I |	|	|	12.77	17.167	4.17	14.78	8.514	| I	|O	|	|	|	12.97
12.083	25.48	14.12	8.348	|	O	I|	|	|	12.83	17.250	4.50	14.50	8.443	| I	O	|	|	|	12.91
12.167	31.36	14.51	8.445	|	|O	| I	|	|	12.91	17.333	4.59	14.23	8.375	| I	O	|	|	|	12.85
12.250	34.02	15.06	8.568	|	|O	| I |	|	|	13.01	17.417	4.61	13.97	8.310	| I	O	|	|	|	12.80
12.333	35.23	16.22	8.699	|	| O	| I |	|	|	13.11	17.500	4.61	13.71	8.246	| I	O	|	|	|	12.75
12.417	36.25	17.37	8.830	|	| O	| I |	|	|	13.21	17.583	4.61	13.47	8.184	| I	O	|	|	|	12.69
12.500	36.68	18.50	8.957	|	| O	| I |	|	|	13.30	17.667	4.61	13.23	8.124	| I	O	|	|	|	12.65
12.583	37.72	19.61	9.082	|	| O	| I|	|	|	13.40	17.750	4.61	12.99	8.065	| I	O	|	|	|	12.60
12.667	39.45	20.73	9.209	|	| O	| I	|	|	13.49	17.833	4.35	12.76	8.007	| I	O|	|	|	|	12.55
12.750	40.24	21.86	9.337	|	| O	| I	|	|	13.59	17.917	3.90	12.53	7.949	| I	O|	|	|	|	12.50
12.833	40.94	22.97	9.462	|	| O	| |I	|	|	13.68	18.000	3.74	12.29	7.890	| I	O|	|	|	|	12.45
12.917	41.86	24.06	9.585	|	| O	| |I	|	|	13.78	18.083	3.69	12.06	7.831	| I	O|	|	|	|	12.41
13.000	42.28	25.13	9.705	|	| O|	| I	|	|	13.87	18.167	3.69	11.83	7.774	| I	O|	|	|	|	12.36
13.083	44.67	26.21	9.828	|	| O	| I	|	|	13.96	18.250	3.69	11.61	7.719	| I	O|	|	|	|	12.31
13.167	48.89	28.94	9.960	|	|O	| I	|	|	14.05	18.333	3.69	11.40	7.665	| I	O|	|	|	|	12.27
13.250	50.80	32.73	10.091	|	| O	| I|	|	|	14.14	18.417	3.69	11.19	7.613	| I	O |	|	|	|	12.23
13.333	51.35	36.06	10.206	|	| O	| I|	|	|	14.22	18.500	3.69	10.99	7.562	| I	O |	|	|	|	12.18
13.417	51.50	38.85	10.302	|	| O	| I|	|	|	14.29	18.583	3.43	10.79	7.511	| I	O |	|	|	|	12.14
13.500	51.55	41.15	10.382	|	| |O	I	|	|	14.35	18.667	2.98	10.58	7.460	|I	O |	|	|	|	12.10
13.583	46.66	42.59	10.431	|	|	| O I	|	|	14.38	18.750	2.82	10.37	7.408	|I	O |	|	|	|	12.06
13.667	37.57	42.51	10.428	|	|	I| O	|	|	14.38	18.833	2.52	10.16	7.355	|I	O |	|	|	|	12.02
13.750	33.52	41.24	10.385	|	| I	|O	|	|	14.35	18.917	2.06	9.83	7.302	|I	O |	|	|	|	11.97
13.833	32.44	39.74	10.333	|	| I	O	|	|	14.31	19.000	1.89	9.44	7.250	|I	O |	|	|	|	11.92
13.917	32.27	38.40	10.287	|	| I	O|	|	|	14.28	19.083	2.10	9.06	7.200	|I	O |	|	|	|	11.88
14.000	32.29	37.29	10.248	|	| I	O|	|	|	14.25	19.167	2.55	8.73	7.154	|I	O |	|	|	|	11.84
14.083	34.13	36.55	10.223	|	|	IO |	|	|	14.24	19.250	2.71	8.42	7.113	|I	O |	|	|	|	11.80
14.167	37.49	36.42	10.218	|	|	OI|	|	|	14.23	19.333	3.01	8.14	7.076	|I	O |	|	|	|	11.77
14.250	39.03	36.75	10.230	|	|	O I	|	|	14.24	19.417	3.47	7.90	7.043	| I	O |	|	|	|	11.74
14.333	39.03	37.17	10.244	|	|	OI	|	|	14.25	19.500	3.63	7.68	7.014	| I	O |	|	|	|	11.71
14.417	38.32	37.44	10.254	|	|	O|	|	|	14.26	19.583	3.42	7.47	6.986	| I	O |	|	|	|	11.69
14.500	38.00	37.57	10.258	|	|	O|	|	|	14.26	19.667	2.98	7.26	6.958	|I	O |	|	|	|	11.66
14.583	37.94	37.64	10.261	|	|	O|	|	|	14.26	19.750	2.82	7.04	6.928	|I	O |	|	|	|	11.63
14.667	37.96	37.70	10.262	|	|	O|	|	|	14.26	19.833	2.52	6.82	6.899	|I	O |	|	|	|	11.61
14.750	38.00	37.75	10.264	|	|	O|	|	|	14.27	19.917	2.06	6.59	6.869	|I	O |	|	|	|	11.58
14.833	37.60	37.76	10.265	|	|	O|	|	|	14.27	20.000	1.89	6.36	6.838	|I O	|	|	|	|	11.55
14.917	36.81	37.66	10.261	|	|	IO|	|	|	14.26	20.083	2.10	6.14	6.808	|I O	|	|	|	|	11.53
15.000	36.47	37.47	10.255	|	|	IO|	|	|	14.26	20.167	2.55	5.95	6.783	|I O	|	|	|	|	11.50
15.083	35.97	37.25	10.247	|	|	IO|	|	|	14.25	20.250	2.71	5.78	6.760	|I O	|	|	|	|	11.48
15.167	35.16	36.94	10.236	|	|	IO |	|	|	14.25	20.333	2.75	5.63	6.740	|I O	|	|	|	|	11.46
15.250	34.82	36.59	10.224	|	|	IO |	|	|	14.24	20.417	2.76	5.49	6.721	|I O	|	|	|	|	11.45
15.333	34.31	36.22	10.211	|	|	IO |	|	|	14.23	20.500	2.76	5.35	6.702	|I O	|	|	|	|	11.43
15.417	33.50	35.80	10.197	|	|	I O |	|	|	14.22	20.583	2.76	5.22	6.685	|I O	|	|	|	|	11.41
15.500	33.17	35.35	10.182	|	|	IO |	|	|	14.21	20.667	2.76	5.10	6.668	|I O	|	|	|	|	11.40
15.583	31.31	34.79	10.162	|	|	I O |	|	|	14.19	20.750	2.76	4.98	6.653	|I O	|	|	|	|	11.39
15.667	28.01	33.86	10.130	|	|	|I O |	|	|	14.17	20.833	2.51	4.86	6.637	|I O	|	|	|	|	11.37
15.750	26.56	32.66	10.089	|	|	I O |	|	|	14.14	20.917	2.06	4.73	6.620	|IO	|	|	|	|	11.36
15.833	26.19	31.52	10.049	|	|	I O |	|	|	14.12	21.000	1.89	4.60	6.601	|IO	|	|	|	|	11.34
15.917	26.15	30.55	10.016	|	|	I O |	|	|	14.09	21.083	2.10	4.47	6.584	|IO	|	|	|	|	11.32
16.000	26.18	29.76	9.988	|	|	I O |	|	|	14.07	21.167	2.55	4.36	6.569	|IO	|	|	|	|	11.31
16.083	20.36	28.58	9.948	|	| I	|O |	|	|	14.05	21.250	2.71	4.27	6.558	|IO	|	|	|	|	11.30
16.167	9.68	26.51	9.862	|	I |	O |	|	|	13.98	21.333	2.50	4.19	6.547	|IO	|	|	|	|	11.29

21.417	2.06	4.09	6.534	IO					11.28	26.583	0.00	1.75	5.932	IO					10.72
21.500	1.89	3.99	6.520	IO					11.27	26.667	0.00	1.75	5.920	IO					10.71
21.583	2.10	3.89	6.506	IO					11.25	26.750	0.00	1.75	5.908	IO					10.70
21.667	2.55	3.81	6.496	IO					11.24	26.833	0.00	1.74	5.896	IO					10.68
21.750	2.71	3.75	6.488	IO					11.24	26.917	0.00	1.74	5.884	IO					10.67
21.833	2.50	3.69	6.480	IO					11.23	27.000	0.00	1.74	5.872	IO					10.66
21.917	2.06	3.62	6.471	IO					11.22	27.083	0.00	1.74	5.860	IO					10.65
22.000	1.89	3.54	6.460	IO					11.21	27.167	0.00	1.74	5.848	IO					10.64
22.083	2.10	3.46	6.449	IO					11.20	27.250	0.00	1.74	5.836	IO					10.63
22.167	2.55	3.40	6.442	IO					11.20	27.333	0.00	1.74	5.824	IO					10.62
22.250	2.71	3.37	6.437	IO					11.19	27.417	0.00	1.74	5.812	IO					10.60
22.333	2.50	3.33	6.432	IO					11.19	27.500	0.00	1.74	5.800	IO					10.59
22.417	2.06	3.28	6.425	IO					11.18	27.583	0.00	1.74	5.788	IO					10.58
22.500	1.89	3.21	6.416	O					11.17	27.667	0.00	1.74	5.776	IO					10.57
22.583	1.85	3.14	6.407	O					11.17	27.750	0.00	1.73	5.765	IO					10.56
22.667	1.84	3.08	6.398	O					11.16	27.833	0.00	1.73	5.753	IO					10.55
22.750	1.84	3.02	6.390	O					11.15	27.917	0.00	1.73	5.741	IO					10.53
22.833	1.84	2.96	6.382	O					11.14	28.000	0.00	1.73	5.729	IO					10.52
22.917	1.84	2.90	6.374	O					11.14	28.083	0.00	1.73	5.717	IO					10.51
23.000	1.84	2.85	6.367	O					11.13	28.167	0.00	1.73	5.705	IO					10.50
23.083	1.84	2.80	6.361	O					11.12	28.250	0.00	1.73	5.693	IO					10.49
23.167	1.84	2.75	6.354	O					11.12	28.333	0.00	1.73	5.681	IO					10.48
23.250	1.84	2.70	6.348	O					11.11	28.417	0.00	1.73	5.669	IO					10.46
23.333	1.84	2.66	6.342	O					11.11	28.500	0.00	1.73	5.657	IO					10.45
23.417	1.84	2.62	6.337	O					11.10	28.583	0.00	1.73	5.645	IO					10.44
23.500	1.84	2.58	6.332	O					11.10	28.667	0.00	1.72	5.634	IO					10.43
23.583	1.84	2.54	6.327	O					11.09	28.750	0.00	1.72	5.622	IO					10.42
23.667	1.84	2.51	6.322	O					11.09	28.833	0.00	1.72	5.610	IO					10.40
23.750	1.84	2.48	6.317	O					11.08	28.917	0.00	1.72	5.598	IO					10.39
23.833	1.84	2.44	6.313	O					11.08	29.000	0.00	1.72	5.586	IO					10.38
23.917	1.84	2.41	6.309	O					11.08	29.083	0.00	1.72	5.574	IO					10.37
24.000	1.84	2.39	6.305	O					11.07	29.167	0.00	1.72	5.562	IO					10.36
24.083	1.34	2.35	6.300	IO					11.07	29.250	0.00	1.72	5.551	IO					10.34
24.167	0.44	2.27	6.290	IO					11.06	29.333	0.00	1.72	5.539	IO					10.33
24.250	0.10	2.17	6.277	IO					11.05	29.417	0.00	1.72	5.527	IO					10.32
24.333	0.02	2.07	6.263	IO					11.04	29.500	0.00	1.71	5.515	IO					10.31
24.417	0.00	1.96	6.249	IO					11.02	29.583	0.00	1.71	5.503	IO					10.30
24.500	0.00	1.86	6.236	IO					11.01	29.667	0.00	1.71	5.492	IO					10.28
24.583	0.00	1.77	6.223	IO					11.00	29.750	0.00	1.71	5.480	IO					10.27
24.667	0.00	1.77	6.211	IO					10.99	29.833	0.00	1.71	5.468	IO					10.26
24.750	0.00	1.77	6.199	IO					10.98	29.917	0.00	1.71	5.456	IO					10.25
24.833	0.00	1.77	6.187	IO					10.96	30.000	0.00	1.71	5.444	IO					10.24
24.917	0.00	1.77	6.174	IO					10.95	30.083	0.00	1.71	5.433	IO					10.22
25.000	0.00	1.77	6.162	IO					10.94	30.167	0.00	1.71	5.421	IO					10.21
25.083	0.00	1.76	6.150	IO					10.93	30.250	0.00	1.71	5.409	IO					10.20
25.167	0.00	1.76	6.138	IO					10.92	30.333	0.00	1.70	5.397	IO					10.19
25.250	0.00	1.76	6.126	IO					10.91	30.417	0.00	1.70	5.386	IO					10.18
25.333	0.00	1.76	6.114	IO					10.89	30.500	0.00	1.70	5.374	IO					10.16
25.417	0.00	1.76	6.102	IO					10.88	30.583	0.00	1.70	5.362	IO					10.15
25.500	0.00	1.76	6.089	IO					10.87	30.667	0.00	1.70	5.350	IO					10.14
25.583	0.00	1.76	6.077	IO					10.86	30.750	0.00	1.70	5.339	IO					10.13
25.667	0.00	1.76	6.065	IO					10.85	30.833	0.00	1.70	5.327	IO					10.12
25.750	0.00	1.76	6.053	IO					10.84	30.917	0.00	1.70	5.315	IO					10.10
25.833	0.00	1.76	6.041	IO					10.82	31.000	0.00	1.70	5.304	IO					10.09
25.917	0.00	1.76	6.029	IO					10.81	31.083	0.00	1.70	5.292	IO					10.08
26.000	0.00	1.75	6.017	IO					10.80	31.167	0.00	1.70	5.280	IO					10.07
26.083	0.00	1.75	6.005	IO					10.79	31.250	0.00	1.69	5.269	IO					10.06
26.167	0.00	1.75	5.993	IO					10.78	31.333	0.00	1.69	5.257	IO					10.04
26.250	0.00	1.75	5.981	IO					10.77	31.417	0.00	1.69	5.245	IO					10.03
26.333	0.00	1.75	5.969	IO					10.75	31.500	0.00	1.69	5.234	IO					10.02
26.417	0.00	1.75	5.956	IO					10.74	31.583	0.00	1.69	5.222	IO					10.01
26.500	0.00	1.75	5.944	IO					10.73	31.667	0.00	1.69	5.210	IO					10.00

31.750	0.00	1.69	5.199	IO					9.98	36.917	0.00	1.62	4.493	IO					9.21
31.833	0.00	1.69	5.187	IO					9.97	37.000	0.00	1.62	4.482	IO					9.20
31.917	0.00	1.69	5.175	IO					9.96	37.083	0.00	1.62	4.470	IO					9.18
32.000	0.00	1.69	5.164	IO					9.95	37.167	0.00	1.62	4.459	IO					9.17
32.083	0.00	1.68	5.152	IO					9.93	37.250	0.00	1.61	4.448	IO					9.16
32.167	0.00	1.68	5.141	IO					9.92	37.333	0.00	1.61	4.437	IO					9.15
32.250	0.00	1.68	5.129	IO					9.91	37.417	0.00	1.61	4.426	IO					9.13
32.333	0.00	1.68	5.117	IO					9.89	37.500	0.00	1.61	4.415	IO					9.12
32.417	0.00	1.68	5.106	IO					9.88	37.583	0.00	1.61	4.404	O					9.11
32.500	0.00	1.68	5.094	IO					9.87	37.667	0.00	1.61	4.393	O					9.10
32.583	0.00	1.68	5.083	IO					9.86	37.750	0.00	1.61	4.382	O					9.09
32.667	0.00	1.68	5.071	IO					9.84	37.833	0.00	1.61	4.371	O					9.07
32.750	0.00	1.67	5.060	IO					9.83	37.917	0.00	1.61	4.359	O					9.06
32.833	0.00	1.67	5.048	IO					9.82	38.000	0.00	1.60	4.348	O					9.05
32.917	0.00	1.67	5.037	IO					9.81	38.083	0.00	1.60	4.337	O					9.04
33.000	0.00	1.67	5.025	IO					9.79	38.167	0.00	1.60	4.326	O					9.02
33.083	0.00	1.67	5.014	IO					9.78	38.250	0.00	1.60	4.315	O					9.01
33.167	0.00	1.67	5.002	IO					9.77	38.333	0.00	1.60	4.304	O					9.00
33.250	0.00	1.67	4.991	IO					9.76	38.417	0.00	1.60	4.293	O					8.99
33.333	0.00	1.67	4.979	IO					9.74	38.500	0.00	1.60	4.282	O					8.97
33.417	0.00	1.67	4.968	IO					9.73	38.583	0.00	1.60	4.271	O					8.96
33.500	0.00	1.66	4.956	IO					9.72	38.667	0.00	1.60	4.260	O					8.95
33.583	0.00	1.66	4.945	IO					9.70	38.750	0.00	1.59	4.249	O					8.93
33.667	0.00	1.66	4.933	IO					9.69	38.833	0.00	1.59	4.238	O					8.92
33.750	0.00	1.66	4.922	IO					9.68	38.917	0.00	1.59	4.227	O					8.91
33.833	0.00	1.66	4.910	IO					9.67	39.000	0.00	1.59	4.216	O					8.89
33.917	0.00	1.66	4.899	IO					9.65	39.083	0.00	1.59	4.205	O					8.88
34.000	0.00	1.66	4.888	IO					9.64	39.167	0.00	1.59	4.194	O					8.86
34.083	0.00	1.66	4.876	IO					9.63	39.250	0.00	1.59	4.184	O					8.85
34.167	0.00	1.66	4.865	IO					9.62	39.333	0.00	1.59	4.173	O					8.84
34.250	0.00	1.65	4.853	IO					9.60	39.417	0.00	1.58	4.162	O					8.82
34.333	0.00	1.65	4.842	IO					9.59	39.500	0.00	1.58	4.151	O					8.81
34.417	0.00	1.65	4.831	IO					9.58	39.583	0.00	1.58	4.140	O					8.80
34.500	0.00	1.65	4.819	IO					9.57	39.667	0.00	1.58	4.129	O					8.78
34.583	0.00	1.65	4.808	IO					9.55	39.750	0.00	1.58	4.118	O					8.77
34.667	0.00	1.65	4.796	IO					9.54	39.833	0.00	1.58	4.107	O					8.76
34.750	0.00	1.65	4.785	IO					9.53	39.917	0.00	1.58	4.096	O					8.74
34.833	0.00	1.65	4.774	IO					9.52	40.000	0.00	1.58	4.086	O					8.73
34.917	0.00	1.65	4.762	IO					9.50	40.083	0.00	1.57	4.075	O					8.72
35.000	0.00	1.64	4.751	IO					9.49	40.167	0.00	1.57	4.064	O					8.70
35.083	0.00	1.64	4.740	IO					9.48	40.250	0.00	1.57	4.053	O					8.69
35.167	0.00	1.64	4.728	IO					9.47	40.333	0.00	1.57	4.042	O					8.68
35.250	0.00	1.64	4.717	IO					9.45	40.417	0.00	1.57	4.031	O					8.66
35.333	0.00	1.64	4.706	IO					9.44	40.500	0.00	1.57	4.021	O					8.65
35.417	0.00	1.64	4.695	IO					9.43	40.583	0.00	1.57	4.010	O					8.64
35.500	0.00	1.64	4.683	IO					9.42	40.667	0.00	1.57	3.999	O					8.62
35.583	0.00	1.64	4.672	IO					9.40	40.750	0.00	1.56	3.988	O					8.61
35.667	0.00	1.64	4.661	IO					9.39	40.833	0.00	1.56	3.977	O					8.60
35.750	0.00	1.63	4.650	IO					9.38	40.917	0.00	1.56	3.967	O					8.58
35.833	0.00	1.63	4.638	IO					9.37	41.000	0.00	1.56	3.956	O					8.57
35.917	0.00	1.63	4.627	IO					9.36	41.083	0.00	1.56	3.945	O					8.56
36.000	0.00	1.63	4.616	IO					9.34	41.167	0.00	1.56	3.934	O					8.54
36.083	0.00	1.63	4.605	IO					9.33	41.250	0.00	1.56	3.924	O					8.53
36.167	0.00	1.63	4.593	IO					9.32	41.333	0.00	1.56	3.913	O					8.52
36.250	0.00	1.63	4.582	IO					9.31	41.417	0.00	1.56	3.902	O					8.50
36.333	0.00	1.63	4.571	IO					9.29	41.500	0.00	1.55	3.892	O					8.49
36.417	0.00	1.63	4.560	IO					9.28	41.583	0.00	1.55	3.881	O					8.48
36.500	0.00	1.62	4.549	IO					9.27	41.667	0.00	1.55	3.870	O					8.47
36.583	0.00	1.62	4.537	IO					9.26	41.750	0.00	1.55	3.859	O					8.45
36.667	0.00	1.62	4.526	IO					9.24	41.833	0.00	1.55	3.849	O					8.44
36.750	0.00	1.62	4.515	IO					9.23	41.917	0.00	1.55	3.838	O					8.43
36.833	0.00	1.62	4.504	IO					9.22	42.000	0.00	1.55	3.827	O					8.41

42.083	0.00	1.55	3.817	O					8.40	47.250	0.00	1.47	3.173	O					7.55
42.167	0.00	1.54	3.806	O					8.39	47.333	0.00	1.46	3.163	O					7.54
42.250	0.00	1.54	3.796	O					8.37	47.417	0.00	1.46	3.153	O					7.52
42.333	0.00	1.54	3.785	O					8.36	47.500	0.00	1.46	3.143	O					7.51
42.417	0.00	1.54	3.774	O					8.35	47.583	0.00	1.46	3.133	O					7.50
42.500	0.00	1.54	3.764	O					8.33	47.667	0.00	1.46	3.123	O					7.48
42.583	0.00	1.54	3.753	O					8.32	47.750	0.00	1.46	3.113	O					7.47
42.667	0.00	1.54	3.742	O					8.31	47.833	0.00	1.46	3.103	O					7.45
42.750	0.00	1.54	3.732	O					8.29	47.917	0.00	1.45	3.093	O					7.44
42.833	0.00	1.54	3.721	O					8.28	48.000	0.00	1.45	3.083	O					7.43
42.917	0.00	1.53	3.711	O					8.27	48.083	0.00	1.45	3.073	O					7.41
43.000	0.00	1.53	3.700	O					8.26	48.167	0.00	1.45	3.063	O					7.40
43.083	0.00	1.53	3.690	O					8.24	48.250	0.00	1.45	3.053	O					7.38
43.167	0.00	1.53	3.679	O					8.23	48.333	0.00	1.45	3.043	O					7.37
43.250	0.00	1.53	3.669	O					8.22	48.417	0.00	1.45	3.033	O					7.36
43.333	0.00	1.53	3.658	O					8.20	48.500	0.00	1.44	3.023	O					7.34
43.417	0.00	1.53	3.648	O					8.19	48.583	0.00	1.44	3.013	O					7.33
43.500	0.00	1.53	3.637	O					8.18	48.667	0.00	1.44	3.003	O					7.31
43.583	0.00	1.52	3.626	O					8.16	48.750	0.00	1.44	2.993	O					7.30
43.667	0.00	1.52	3.616	O					8.15	48.833	0.00	1.44	2.983	O					7.29
43.750	0.00	1.52	3.606	O					8.14	48.917	0.00	1.44	2.973	O					7.27
43.833	0.00	1.52	3.595	O					8.13	49.000	0.00	1.44	2.963	O					7.26
43.917	0.00	1.52	3.585	O					8.11	49.083	0.00	1.43	2.953	O					7.25
44.000	0.00	1.52	3.574	O					8.10	49.167	0.00	1.43	2.944	O					7.23
44.083	0.00	1.52	3.564	O					8.09	49.250	0.00	1.43	2.934	O					7.22
44.167	0.00	1.52	3.553	O					8.07	49.333	0.00	1.43	2.924	O					7.20
44.250	0.00	1.52	3.543	O					8.06	49.417	0.00	1.43	2.914	O					7.19
44.333	0.00	1.51	3.532	O					8.05	49.500	0.00	1.43	2.904	O					7.18
44.417	0.00	1.51	3.522	O					8.04	49.583	0.00	1.43	2.894	O					7.16
44.500	0.00	1.51	3.511	O					8.02	49.667	0.00	1.42	2.884	O					7.15
44.583	0.00	1.51	3.501	O					8.01	49.750	0.00	1.42	2.875	O					7.14
44.667	0.00	1.51	3.491	O					8.00	49.833	0.00	1.42	2.865	O					7.12
44.750	0.00	1.51	3.480	O					7.98	49.917	0.00	1.42	2.855	O					7.11
44.833	0.00	1.51	3.470	O					7.97	50.000	0.00	1.42	2.845	O					7.09
44.917	0.00	1.51	3.459	O					7.95	50.083	0.00	1.42	2.836	O					7.08
45.000	0.00	1.50	3.449	O					7.94	50.167	0.00	1.42	2.826	O					7.07
45.083	0.00	1.50	3.439	O					7.92	50.250	0.00	1.42	2.816	O					7.05
45.167	0.00	1.50	3.428	O					7.91	50.333	0.00	1.41	2.806	O					7.04
45.250	0.00	1.50	3.418	O					7.90	50.417	0.00	1.41	2.797	O					7.03
45.333	0.00	1.50	3.408	O					7.88	50.500	0.00	1.41	2.787	O					7.01
45.417	0.00	1.50	3.397	O					7.87	50.583	0.00	1.41	2.777	O					7.00
45.500	0.00	1.50	3.387	O					7.85	50.667	0.00	1.41	2.767	O					6.98
45.583	0.00	1.49	3.377	O					7.84	50.750	0.00	1.41	2.758	O					6.97
45.667	0.00	1.49	3.367	O					7.82	50.833	0.00	1.40	2.748	O					6.95
45.750	0.00	1.49	3.356	O					7.81	50.917	0.00	1.40	2.738	O					6.94
45.833	0.00	1.49	3.346	O					7.79	51.000	0.00	1.40	2.729	O					6.92
45.917	0.00	1.49	3.336	O					7.78	51.083	0.00	1.40	2.719	O					6.91
46.000	0.00	1.49	3.326	O					7.77	51.167	0.00	1.40	2.709	O					6.89
46.083	0.00	1.49	3.315	O					7.75	51.250	0.00	1.40	2.700	O					6.87
46.167	0.00	1.48	3.305	O					7.74	51.333	0.00	1.39	2.690	O					6.86
46.250	0.00	1.48	3.295	O					7.72	51.417	0.00	1.39	2.681	O					6.84
46.333	0.00	1.48	3.285	O					7.71	51.500	0.00	1.39	2.671	O					6.83
46.417	0.00	1.48	3.274	O					7.69	51.583	0.00	1.39	2.661	O					6.81
46.500	0.00	1.48	3.264	O					7.68	51.667	0.00	1.39	2.652	O					6.80
46.583	0.00	1.48	3.254	O					7.67	51.750	0.00	1.39	2.642	O					6.78
46.667	0.00	1.48	3.244	O					7.65	51.833	0.00	1.38	2.633	O					6.77
46.750	0.00	1.47	3.234	O					7.64	51.917	0.00	1.38	2.623	O					6.75
46.833	0.00	1.47	3.224	O					7.62	52.000	0.00	1.38	2.614	O					6.74
46.917	0.00	1.47	3.214	O					7.61	52.083	0.00	1.38	2.604	O					6.72
47.000	0.00	1.47	3.203	O					7.59	52.167	0.00	1.38	2.595	O					6.71
47.083	0.00	1.47	3.193	O					7.58	52.250	0.00	1.38	2.585	O					6.69
47.167	0.00	1.47	3.183	O					7.57	52.333	0.00	1.37	2.576	O					6.68

52.417	0.00	1.37	2.566	O					6.66	57.583	0.00	1.27	2.002	O					5.71
52.500	0.00	1.37	2.557	O					6.65	57.667	0.00	1.27	1.993	O					5.70
52.583	0.00	1.37	2.547	O					6.63	57.750	0.00	1.27	1.985	O					5.68
52.667	0.00	1.37	2.538	O					6.61	57.833	0.00	1.26	1.976	O					5.67
52.750	0.00	1.37	2.529	O					6.60	57.917	0.00	1.26	1.967	O					5.65
52.833	0.00	1.36	2.519	O					6.58	58.000	0.00	1.26	1.959	O					5.63
52.917	0.00	1.36	2.510	O					6.57	58.083	0.00	1.26	1.950	O					5.62
53.000	0.00	1.36	2.500	O					6.55	58.167	0.00	1.26	1.941	O					5.60
53.083	0.00	1.36	2.491	O					6.54	58.250	0.00	1.25	1.933	O					5.58
53.167	0.00	1.36	2.482	O					6.52	58.333	0.00	1.25	1.924	O					5.57
53.250	0.00	1.36	2.472	O					6.51	58.417	0.00	1.25	1.915	O					5.55
53.333	0.00	1.35	2.463	O					6.49	58.500	0.00	1.25	1.907	O					5.54
53.417	0.00	1.35	2.454	O					6.48	58.583	0.00	1.25	1.898	O					5.52
53.500	0.00	1.35	2.444	O					6.46	58.667	0.00	1.25	1.889	O					5.50
53.583	0.00	1.35	2.435	O					6.45	58.750	0.00	1.24	1.881	O					5.49
53.667	0.00	1.35	2.426	O					6.43	58.833	0.00	1.24	1.872	O					5.47
53.750	0.00	1.35	2.417	O					6.42	58.917	0.00	1.24	1.864	O					5.46
53.833	0.00	1.34	2.407	O					6.40	59.000	0.00	1.24	1.855	O					5.44
53.917	0.00	1.34	2.398	O					6.39	59.083	0.00	1.24	1.847	O					5.42
54.000	0.00	1.34	2.389	O					6.38	59.167	0.00	1.23	1.838	O					5.41
54.083	0.00	1.34	2.380	O					6.36	59.250	0.00	1.23	1.830	O					5.39
54.167	0.00	1.34	2.370	O					6.35	59.333	0.00	1.23	1.821	O					5.38
54.250	0.00	1.34	2.361	O					6.33	59.417	0.00	1.23	1.813	O					5.36
54.333	0.00	1.33	2.352	O					6.32	59.500	0.00	1.23	1.804	O					5.35
54.417	0.00	1.33	2.343	O					6.30	59.583	0.00	1.23	1.796	O					5.33
54.500	0.00	1.33	2.334	O					6.29	59.667	0.00	1.22	1.787	O					5.31
54.583	0.00	1.33	2.324	O					6.27	59.750	0.00	1.22	1.779	O					5.30
54.667	0.00	1.33	2.315	O					6.26	59.833	0.00	1.22	1.771	O					5.28
54.750	0.00	1.33	2.306	O					6.24	59.917	0.00	1.22	1.762	O					5.27
54.833	0.00	1.33	2.297	O					6.23	60.000	0.00	1.22	1.754	O					5.25
54.917	0.00	1.32	2.288	O					6.21	60.083	0.00	1.22	1.745	O					5.24
55.000	0.00	1.32	2.279	O					6.20	60.167	0.00	1.21	1.737	O					5.22
55.083	0.00	1.32	2.270	O					6.18	60.250	0.00	1.21	1.729	O					5.20
55.167	0.00	1.32	2.261	O					6.17	60.333	0.00	1.21	1.720	O					5.19
55.250	0.00	1.32	2.251	O					6.15	60.417	0.00	1.21	1.712	O					5.17
55.333	0.00	1.32	2.242	O					6.14	60.500	0.00	1.21	1.704	O					5.16
55.417	0.00	1.31	2.233	O					6.13	60.583	0.00	1.21	1.695	O					5.14
55.500	0.00	1.31	2.224	O					6.11	60.667	0.00	1.20	1.687	O					5.13
55.583	0.00	1.31	2.215	O					6.10	60.750	0.00	1.20	1.679	O					5.11
55.667	0.00	1.31	2.206	O					6.08	60.833	0.00	1.20	1.671	O					5.10
55.750	0.00	1.31	2.197	O					6.07	60.917	0.00	1.20	1.662	O					5.08
55.833	0.00	1.31	2.188	O					6.05	61.000	0.00	1.20	1.654	O					5.07
55.917	0.00	1.30	2.179	O					6.04	61.083	0.00	1.20	1.646	O					5.05
56.000	0.00	1.30	2.170	O					6.02	61.167	0.00	1.19	1.638	O					5.03
56.083	0.00	1.30	2.161	O					6.01	61.250	0.00	1.19	1.629	O					5.02
56.167	0.00	1.30	2.152	O					6.00	61.333	0.00	1.19	1.621	O					5.00
56.250	0.00	1.30	2.143	O					5.98	61.417	0.00	1.19	1.613	O					4.99
56.333	0.00	1.30	2.134	O					5.96	61.500	0.00	1.19	1.605	O					4.97
56.417	0.00	1.29	2.126	O					5.95	61.583	0.00	1.18	1.597	O					4.95
56.500	0.00	1.29	2.117	O					5.93	61.667	0.00	1.18	1.588	O					4.93
56.583	0.00	1.29	2.108	O					5.91	61.750	0.00	1.18	1.580	O					4.92
56.667	0.00	1.29	2.099	O					5.90	61.833	0.00	1.18	1.572	O					4.90
56.750	0.00	1.29	2.090	O					5.88	61.917	0.00	1.17	1.564	O					4.88
56.833	0.00	1.28	2.081	O					5.86	62.000	0.00	1.17	1.556	O					4.86
56.917	0.00	1.28	2.072	O					5.85	62.083	0.00	1.17	1.548	O					4.84
57.000	0.00	1.28	2.064	O					5.83	62.167	0.00	1.17	1.540	O					4.83
57.083	0.00	1.28	2.055	O					5.81	62.250	0.00	1.17	1.532	O					4.81
57.167	0.00	1.28	2.046	O					5.80	62.333	0.00	1.16	1.524	O					4.79
57.250	0.00	1.28	2.037	O					5.78	62.417	0.00	1.16	1.516	O					4.77
57.333	0.00	1.27	2.028	O					5.76	62.500	0.00	1.16	1.508	O					4.76
57.417	0.00	1.27	2.020	O					5.75	62.583	0.00	1.16	1.500	O					4.74
57.500	0.00	1.27	2.011	O					5.73	62.667	0.00	1.15	1.492	O					4.72

62.750	0.00	1.15	1.484	O	|	|	|	|	4.71	67.917	0.00	1.01	1.022	O	|	|	|	|	3.64
62.833	0.00	1.15	1.476	O	|	|	|	|	4.69	68.000	0.00	1.00	1.015	O	|	|	|	|	3.62
62.917	0.00	1.15	1.468	O	|	|	|	|	4.67	68.083	0.00	1.00	1.008	O	|	|	|	|	3.60
63.000	0.00	1.14	1.460	O	|	|	|	|	4.65	68.167	0.00	1.00	1.001	O	|	|	|	|	3.58
63.083	0.00	1.14	1.452	O	|	|	|	|	4.64	68.250	0.00	1.00	0.994	O	|	|	|	|	3.57
63.167	0.00	1.14	1.445	O	|	|	|	|	4.62	68.333	0.00	0.99	0.987	O	|	|	|	|	3.55
63.250	0.00	1.14	1.437	O	|	|	|	|	4.60	68.417	0.00	0.99	0.981	O	|	|	|	|	3.53
63.333	0.00	1.14	1.429	O	|	|	|	|	4.58	68.500	0.00	0.99	0.974	O	|	|	|	|	3.51
63.417	0.00	1.13	1.421	O	|	|	|	|	4.57	68.583	0.00	0.98	0.967	O	|	|	|	|	3.50
63.500	0.00	1.13	1.413	O	|	|	|	|	4.55	68.667	0.00	0.98	0.960	O	|	|	|	|	3.48
63.583	0.00	1.13	1.405	O	|	|	|	|	4.53	68.750	0.00	0.98	0.954	O	|	|	|	|	3.46
63.667	0.00	1.13	1.398	O	|	|	|	|	4.52	68.833	0.00	0.98	0.947	O	|	|	|	|	3.44
63.750	0.00	1.12	1.390	O	|	|	|	|	4.50	68.917	0.00	0.97	0.940	O	|	|	|	|	3.43
63.833	0.00	1.12	1.382	O	|	|	|	|	4.48	69.000	0.00	0.97	0.933	O	|	|	|	|	3.41
63.917	0.00	1.12	1.374	O	|	|	|	|	4.47	69.083	0.00	0.97	0.927	O	|	|	|	|	3.39
64.000	0.00	1.12	1.367	O	|	|	|	|	4.45	69.167	0.00	0.97	0.920	O	|	|	|	|	3.37
64.083	0.00	1.12	1.359	O	|	|	|	|	4.43	69.250	0.00	0.96	0.913	O	|	|	|	|	3.36
64.167	0.00	1.11	1.351	O	|	|	|	|	4.42	69.333	0.00	0.96	0.907	O	|	|	|	|	3.34
64.250	0.00	1.11	1.344	O	|	|	|	|	4.40	69.417	0.00	0.96	0.900	O	|	|	|	|	3.32
64.333	0.00	1.11	1.336	O	|	|	|	|	4.38	69.500	0.00	0.96	0.894	O	|	|	|	|	3.31
64.417	0.00	1.11	1.328	O	|	|	|	|	4.37	69.583	0.00	0.95	0.887	O	|	|	|	|	3.29
64.500	0.00	1.11	1.321	O	|	|	|	|	4.35	69.667	0.00	0.95	0.880	O	|	|	|	|	3.27
64.583	0.00	1.10	1.313	O	|	|	|	|	4.33	69.750	0.00	0.95	0.874	O	|	|	|	|	3.25
64.667	0.00	1.10	1.306	O	|	|	|	|	4.32	69.833	0.00	0.95	0.867	O	|	|	|	|	3.24
64.750	0.00	1.10	1.298	O	|	|	|	|	4.30	69.917	0.00	0.94	0.861	O	|	|	|	|	3.22
64.833	0.00	1.10	1.290	O	|	|	|	|	4.28	70.000	0.00	0.94	0.854	O	|	|	|	|	3.20
64.917	0.00	1.09	1.283	O	|	|	|	|	4.27	70.083	0.00	0.94	0.848	O	|	|	|	|	3.19
65.000	0.00	1.09	1.275	O	|	|	|	|	4.25	70.167	0.00	0.94	0.841	O	|	|	|	|	3.17
65.083	0.00	1.09	1.268	O	|	|	|	|	4.23	70.250	0.00	0.93	0.835	O	|	|	|	|	3.15
65.167	0.00	1.09	1.260	O	|	|	|	|	4.22	70.333	0.00	0.93	0.829	O	|	|	|	|	3.14
65.250	0.00	1.09	1.253	O	|	|	|	|	4.20	70.417	0.00	0.93	0.822	O	|	|	|	|	3.12
65.333	0.00	1.08	1.245	O	|	|	|	|	4.18	70.500	0.00	0.93	0.816	O	|	|	|	|	3.10
65.417	0.00	1.08	1.238	O	|	|	|	|	4.17	70.583	0.00	0.92	0.809	O	|	|	|	|	3.09
65.500	0.00	1.08	1.231	O	|	|	|	|	4.15	70.667	0.00	0.92	0.803	O	|	|	|	|	3.07
65.583	0.00	1.08	1.223	O	|	|	|	|	4.14	70.750	0.00	0.92	0.797	O	|	|	|	|	3.05
65.667	0.00	1.08	1.216	O	|	|	|	|	4.12	70.833	0.00	0.92	0.790	O	|	|	|	|	3.04
65.750	0.00	1.07	1.208	O	|	|	|	|	4.10	70.917	0.00	0.91	0.784	O	|	|	|	|	3.02
65.833	0.00	1.07	1.201	O	|	|	|	|	4.09	71.000	0.00	0.91	0.778	O	|	|	|	|	3.00
65.917	0.00	1.07	1.194	O	|	|	|	|	4.07	71.083	0.00	0.91	0.772	O	|	|	|	|	2.99
66.000	0.00	1.07	1.186	O	|	|	|	|	4.05	71.167	0.00	0.90	0.765	O	|	|	|	|	2.97
66.083	0.00	1.07	1.179	O	|	|	|	|	4.04	71.250	0.00	0.90	0.759	O	|	|	|	|	2.95
66.167	0.00	1.06	1.172	O	|	|	|	|	4.02	71.333	0.00	0.90	0.753	O	|	|	|	|	2.93
66.250	0.00	1.06	1.164	O	|	|	|	|	4.01	71.417	0.00	0.89	0.747	O	|	|	|	|	2.91
66.333	0.00	1.06	1.157	O	|	|	|	|	3.99	71.500	0.00	0.89	0.741	O	|	|	|	|	2.89
66.417	0.00	1.06	1.150	O	|	|	|	|	3.97	71.583	0.00	0.89	0.735	O	|	|	|	|	2.87
66.500	0.00	1.05	1.142	O	|	|	|	|	3.95	71.667	0.00	0.88	0.728	O	|	|	|	|	2.85
66.583	0.00	1.05	1.135	O	|	|	|	|	3.93	71.750	0.00	0.88	0.722	O	|	|	|	|	2.83
66.667	0.00	1.05	1.128	O	|	|	|	|	3.91	71.833	0.00	0.88	0.716	O	|	|	|	|	2.81
66.750	0.00	1.04	1.121	O	|	|	|	|	3.90	71.917	0.00	0.87	0.710	O	|	|	|	|	2.79
66.833	0.00	1.04	1.114	O	|	|	|	|	3.88	72.000	0.00	0.87	0.704	O	|	|	|	|	2.77
66.917	0.00	1.04	1.106	O	|	|	|	|	3.86	72.083	0.00	0.87	0.698	O	|	|	|	|	2.76
67.000	0.00	1.04	1.099	O	|	|	|	|	3.84	72.167	0.00	0.86	0.692	O	|	|	|	|	2.74
67.083	0.00	1.03	1.092	O	|	|	|	|	3.82	72.250	0.00	0.86	0.686	O	|	|	|	|	2.72
67.167	0.00	1.03	1.085	O	|	|	|	|	3.80	72.333	0.00	0.86	0.681	O	|	|	|	|	2.70
67.250	0.00	1.03	1.078	O	|	|	|	|	3.78	72.417	0.00	0.85	0.675	O	|	|	|	|	2.68
67.333	0.00	1.02	1.071	O	|	|	|	|	3.77	72.500	0.00	0.85	0.669	O	|	|	|	|	2.66
67.417	0.00	1.02	1.064	O	|	|	|	|	3.75	72.583	0.00	0.85	0.663	O	|	|	|	|	2.64
67.500	0.00	1.02	1.057	O	|	|	|	|	3.73	72.667	0.00	0.84	0.657	O	|	|	|	|	2.63
67.583	0.00	1.02	1.050	O	|	|	|	|	3.71	72.750	0.00	0.84	0.651	O	|	|	|	|	2.61
67.667	0.00	1.01	1.043	O	|	|	|	|	3.69	72.833	0.00	0.84	0.646	O	|	|	|	|	2.59
67.750	0.00	1.01	1.036	O	|	|	|	|	3.67	72.917	0.00	0.83	0.640	O	|	|	|	|	2.57
67.833	0.00	1.01	1.029	O	|	|	|	|	3.66	73.000	0.00	0.83	0.634	O	|	|	|	|	2.55

73.083	0.00	0.83	0.628	O					2.53	78.250	0.00	0.61	0.320	O					1.46
73.167	0.00	0.82	0.623	O					2.52	78.333	0.00	0.60	0.316	O					1.44
73.250	0.00	0.82	0.617	O					2.50	78.417	0.00	0.60	0.312	O					1.43
73.333	0.00	0.82	0.611	O					2.48	78.500	0.00	0.59	0.307	O					1.41
73.417	0.00	0.81	0.606	O					2.46	78.583	0.00	0.59	0.303	O					1.39
73.500	0.00	0.81	0.600	O					2.45	78.667	0.00	0.59	0.299	O					1.38
73.583	0.00	0.81	0.595	O					2.43	78.750	0.00	0.58	0.295	O					1.36
73.667	0.00	0.80	0.589	O					2.41	78.833	0.00	0.58	0.291	O					1.35
73.750	0.00	0.80	0.584	O					2.39	78.917	0.00	0.58	0.287	O					1.33
73.833	0.00	0.80	0.578	O					2.38	79.000	0.00	0.57	0.283	O					1.32
73.917	0.00	0.79	0.573	O					2.36	79.083	0.00	0.57	0.279	O					1.30
74.000	0.00	0.79	0.567	O					2.34	79.167	0.00	0.57	0.276	O					1.29
74.083	0.00	0.79	0.562	O					2.32	79.250	0.00	0.56	0.272	O					1.27
74.167	0.00	0.79	0.556	O					2.31	79.333	0.00	0.56	0.268	O					1.26
74.250	0.00	0.78	0.551	O					2.29	79.417	0.00	0.56	0.264	O					1.24
74.333	0.00	0.78	0.546	O					2.27	79.500	0.00	0.55	0.260	O					1.23
74.417	0.00	0.78	0.540	O					2.26	79.583	0.00	0.55	0.256	O					1.21
74.500	0.00	0.77	0.535	O					2.24	79.667	0.00	0.55	0.253	O					1.20
74.583	0.00	0.77	0.530	O					2.22	79.750	0.00	0.54	0.249	O					1.18
74.667	0.00	0.77	0.524	O					2.21	79.833	0.00	0.54	0.245	O					1.17
74.750	0.00	0.76	0.519	O					2.19	79.917	0.00	0.54	0.241	O					1.15
74.833	0.00	0.76	0.514	O					2.17	80.000	0.00	0.53	0.238	O					1.14
74.917	0.00	0.76	0.508	O					2.16	80.083	0.00	0.53	0.234	O					1.12
75.000	0.00	0.76	0.503	O					2.14	80.167	0.00	0.53	0.230	O					1.11
75.083	0.00	0.75	0.498	O					2.12	80.250	0.00	0.52	0.227	O					1.10
75.167	0.00	0.75	0.493	O					2.11	80.333	0.00	0.52	0.223	O					1.08
75.250	0.00	0.75	0.488	O					2.09	80.417	0.00	0.52	0.220	O					1.07
75.333	0.00	0.74	0.483	O					2.07	80.500	0.00	0.51	0.216	O					1.06
75.417	0.00	0.74	0.478	O					2.06	80.583	0.00	0.51	0.213	O					1.04
75.500	0.00	0.74	0.472	O					2.04	80.667	0.00	0.51	0.209	O					1.03
75.583	0.00	0.73	0.467	O					2.03	80.750	0.00	0.50	0.206	O					1.01
75.667	0.00	0.73	0.462	O					2.01	80.833	0.00	0.50	0.202	O					1.00
75.750	0.00	0.73	0.457	O					1.99	80.917	0.00	0.49	0.199	O					0.98
75.833	0.00	0.72	0.452	O					1.97	81.000	0.00	0.48	0.195	O					0.97
75.917	0.00	0.72	0.447	O					1.95	81.083	0.00	0.48	0.192	O					0.95
76.000	0.00	0.72	0.442	O					1.94	81.167	0.00	0.47	0.189	O					0.94
76.083	0.00	0.71	0.437	O					1.92	81.250	0.00	0.46	0.186	O					0.92
76.167	0.00	0.71	0.433	O					1.90	81.333	0.00	0.45	0.183	O					0.90
76.250	0.00	0.70	0.428	O					1.88	81.417	0.00	0.44	0.179	O					0.89
76.333	0.00	0.70	0.423	O					1.86	81.500	0.00	0.44	0.176	O					0.87
76.417	0.00	0.69	0.418	O					1.84	81.583	0.00	0.43	0.173	O					0.86
76.500	0.00	0.69	0.413	O					1.82	81.667	0.00	0.42	0.171	O					0.84
76.583	0.00	0.68	0.409	O					1.80	81.750	0.00	0.41	0.168	O					0.83
76.667	0.00	0.68	0.404	O					1.79	81.833	0.00	0.41	0.165	O					0.82
76.750	0.00	0.68	0.399	O					1.77	81.917	0.00	0.40	0.162	O					0.80
76.833	0.00	0.67	0.395	O					1.75	82.000	0.00	0.39	0.159	O					0.79
76.917	0.00	0.67	0.390	O					1.73	82.083	0.00	0.39	0.157	O					0.78
77.000	0.00	0.66	0.385	O					1.71	82.167	0.00	0.38	0.154	O					0.76
77.083	0.00	0.66	0.381	O					1.70	82.250	0.00	0.37	0.151	O					0.75
77.167	0.00	0.66	0.376	O					1.68	82.333	0.00	0.37	0.149	O					0.74
77.250	0.00	0.65	0.372	O					1.66	82.417	0.00	0.36	0.146	O					0.72
77.333	0.00	0.65	0.367	O					1.64	82.500	0.00	0.36	0.144	O					0.71
77.417	0.00	0.64	0.363	O					1.63	82.583	0.00	0.35	0.141	O					0.70
77.500	0.00	0.64	0.358	O					1.61	82.667	0.00	0.34	0.139	O					0.69
77.583	0.00	0.64	0.354	O					1.59	82.750	0.00	0.34	0.137	O					0.68
77.667	0.00	0.63	0.350	O					1.57	82.833	0.00	0.33	0.134	O					0.66
77.750	0.00	0.63	0.345	O					1.56	82.917	0.00	0.33	0.132	O					0.65
77.833	0.00	0.62	0.341	O					1.54	83.000	0.00	0.32	0.130	O					0.64
77.917	0.00	0.62	0.337	O					1.52	83.083	0.00	0.32	0.128	O					0.63
78.000	0.00	0.62	0.333	O					1.51	83.167	0.00	0.31	0.125	O					0.62
78.083	0.00	0.61	0.328	O					1.49	83.250	0.00	0.31	0.123	O					0.61
78.167	0.00	0.61	0.324	O					1.47	83.333	0.00	0.30	0.121	O					0.60

83.417	0.00	0.30	0.119	O	|	|	|	|	0.59	88.583	0.00	0.10	0.041	O	|	|	|	|	0.21
83.500	0.00	0.29	0.117	O	|	|	|	|	0.58	88.667	0.00	0.10	0.041	O	|	|	|	|	0.20
83.583	0.00	0.29	0.115	O	|	|	|	|	0.57	88.750	0.00	0.10	0.040	O	|	|	|	|	0.20
83.667	0.00	0.28	0.113	O	|	|	|	|	0.56	88.833	0.00	0.10	0.039	O	|	|	|	|	0.19
83.750	0.00	0.28	0.111	O	|	|	|	|	0.55	88.917	0.00	0.10	0.039	O	|	|	|	|	0.19
83.833	0.00	0.27	0.109	O	|	|	|	|	0.54	89.000	0.00	0.09	0.038	O	|	|	|	|	0.19
83.917	0.00	0.27	0.108	O	|	|	|	|	0.53	89.083	0.00	0.09	0.037	O	|	|	|	|	0.19
84.000	0.00	0.26	0.106	O	|	|	|	|	0.52	89.167	0.00	0.09	0.037	O	|	|	|	|	0.18
84.083	0.00	0.26	0.104	O	|	|	|	|	0.51	89.250	0.00	0.09	0.036	O	|	|	|	|	0.18
84.167	0.00	0.25	0.102	O	|	|	|	|	0.51	89.333	0.00	0.09	0.036	O	|	|	|	|	0.18
84.250	0.00	0.25	0.101	O	|	|	|	|	0.50	89.417	0.00	0.09	0.035	O	|	|	|	|	0.17
84.333	0.00	0.24	0.099	O	|	|	|	|	0.49	89.500	0.00	0.09	0.034	O	|	|	|	|	0.17
84.417	0.00	0.24	0.097	O	|	|	|	|	0.48	89.583	0.00	0.08	0.034	O	|	|	|	|	0.17
84.500	0.00	0.24	0.096	O	|	|	|	|	0.47	89.667	0.00	0.08	0.033	O	|	|	|	|	0.16
84.583	0.00	0.23	0.094	O	|	|	|	|	0.46	89.750	0.00	0.08	0.033	O	|	|	|	|	0.16
84.667	0.00	0.23	0.092	O	|	|	|	|	0.46	89.833	0.00	0.08	0.032	O	|	|	|	|	0.16
84.750	0.00	0.22	0.091	O	|	|	|	|	0.45	89.917	0.00	0.08	0.032	O	|	|	|	|	0.16
84.833	0.00	0.22	0.089	O	|	|	|	|	0.44	90.000	0.00	0.08	0.031	O	|	|	|	|	0.15
84.917	0.00	0.22	0.088	O	|	|	|	|	0.43	90.083	0.00	0.08	0.030	O	|	|	|	|	0.15
85.000	0.00	0.21	0.086	O	|	|	|	|	0.43	90.167	0.00	0.07	0.030	O	|	|	|	|	0.15
85.083	0.00	0.21	0.085	O	|	|	|	|	0.42	90.250	0.00	0.07	0.029	O	|	|	|	|	0.15
85.167	0.00	0.21	0.083	O	|	|	|	|	0.41	90.333	0.00	0.07	0.029	O	|	|	|	|	0.14
85.250	0.00	0.20	0.082	O	|	|	|	|	0.41	90.417	0.00	0.07	0.028	O	|	|	|	|	0.14
85.333	0.00	0.20	0.081	O	|	|	|	|	0.40	90.500	0.00	0.07	0.028	O	|	|	|	|	0.14
85.417	0.00	0.20	0.079	O	|	|	|	|	0.39	90.583	0.00	0.07	0.028	O	|	|	|	|	0.14
85.500	0.00	0.19	0.078	O	|	|	|	|	0.39	90.667	0.00	0.07	0.027	O	|	|	|	|	0.13
85.583	0.00	0.19	0.077	O	|	|	|	|	0.38	90.750	0.00	0.07	0.027	O	|	|	|	|	0.13
85.667	0.00	0.19	0.075	O	|	|	|	|	0.37	90.833	0.00	0.06	0.026	O	|	|	|	|	0.13
85.750	0.00	0.18	0.074	O	|	|	|	|	0.37	90.917	0.00	0.06	0.026	O	|	|	|	|	0.13
85.833	0.00	0.18	0.073	O	|	|	|	|	0.36	91.000	0.00	0.06	0.025	O	|	|	|	|	0.13
85.917	0.00	0.18	0.071	O	|	|	|	|	0.35	91.083	0.00	0.06	0.025	O	|	|	|	|	0.12
86.000	0.00	0.17	0.070	O	|	|	|	|	0.35	91.167	0.00	0.06	0.024	O	|	|	|	|	0.12
86.083	0.00	0.17	0.069	O	|	|	|	|	0.34	91.250	0.00	0.06	0.024	O	|	|	|	|	0.12
86.167	0.00	0.17	0.068	O	|	|	|	|	0.34	91.333	0.00	0.06	0.024	O	|	|	|	|	0.12
86.250	0.00	0.17	0.067	O	|	|	|	|	0.33	91.417	0.00	0.06	0.023	O	|	|	|	|	0.11
86.333	0.00	0.16	0.066	O	|	|	|	|	0.32	91.500	0.00	0.06	0.023	O	|	|	|	|	0.11
86.417	0.00	0.16	0.065	O	|	|	|	|	0.32	91.583	0.00	0.06	0.022	O	|	|	|	|	0.11
86.500	0.00	0.16	0.063	O	|	|	|	|	0.31	91.667	0.00	0.05	0.022	O	|	|	|	|	0.11
86.583	0.00	0.15	0.062	O	|	|	|	|	0.31	91.750	0.00	0.05	0.022	O	|	|	|	|	0.11
86.667	0.00	0.15	0.061	O	|	|	|	|	0.30	91.833	0.00	0.05	0.021	O	|	|	|	|	0.11
86.750	0.00	0.15	0.060	O	|	|	|	|	0.30	91.917	0.00	0.05	0.021	O	|	|	|	|	0.10
86.833	0.00	0.15	0.059	O	|	|	|	|	0.29	92.000	0.00	0.05	0.021	O	|	|	|	|	0.10
86.917	0.00	0.14	0.058	O	|	|	|	|	0.29	92.083	0.00	0.05	0.020	O	|	|	|	|	0.10
87.000	0.00	0.14	0.057	O	|	|	|	|	0.28	92.167	0.00	0.05	0.020	O	|	|	|	|	0.10
87.083	0.00	0.14	0.056	O	|	|	|	|	0.28	92.250	0.00	0.05	0.020	O	|	|	|	|	0.10
87.167	0.00	0.14	0.055	O	|	|	|	|	0.27	92.333	0.00	0.05	0.019	O	|	|	|	|	0.10
87.250	0.00	0.13	0.054	O	|	|	|	|	0.27	92.417	0.00	0.05	0.019	O	|	|	|	|	0.09
87.333	0.00	0.13	0.053	O	|	|	|	|	0.26	92.500	0.00	0.05	0.019	O	|	|	|	|	0.09
87.417	0.00	0.13	0.053	O	|	|	|	|	0.26	92.583	0.00	0.05	0.018	O	|	|	|	|	0.09
87.500	0.00	0.13	0.052	O	|	|	|	|	0.26	92.667	0.00	0.04	0.018	O	|	|	|	|	0.09
87.583	0.00	0.13	0.051	O	|	|	|	|	0.25	92.750	0.00	0.04	0.018	O	|	|	|	|	0.09
87.667	0.00	0.12	0.050	O	|	|	|	|	0.25	92.833	0.00	0.04	0.017	O	|	|	|	|	0.09
87.750	0.00	0.12	0.049	O	|	|	|	|	0.24	92.917	0.00	0.04	0.017	O	|	|	|	|	0.08
87.833	0.00	0.12	0.048	O	|	|	|	|	0.24	93.000	0.00	0.04	0.017	O	|	|	|	|	0.08
87.917	0.00	0.12	0.047	O	|	|	|	|	0.24	93.083	0.00	0.04	0.016	O	|	|	|	|	0.08
88.000	0.00	0.12	0.047	O	|	|	|	|	0.23	93.167	0.00	0.04	0.016	O	|	|	|	|	0.08
88.083	0.00	0.11	0.046	O	|	|	|	|	0.23	93.250	0.00	0.04	0.016	O	|	|	|	|	0.08
88.167	0.00	0.11	0.045	O	|	|	|	|	0.22	93.333	0.00	0.04	0.016	O	|	|	|	|	0.08
88.250	0.00	0.11	0.044	O	|	|	|	|	0.22	93.417	0.00	0.04	0.015	O	|	|	|	|	0.08
88.333	0.00	0.11	0.044	O	|	|	|	|	0.22	93.500	0.00	0.04	0.015	O	|	|	|	|	0.08
88.417	0.00	0.11	0.043	O	|	|	|	|	0.21	93.583	0.00	0.04	0.015	O	|	|	|	|	0.07
88.500	0.00	0.10	0.042	O	|	|	|	|	0.21	93.667	0.00	0.04	0.015	O	|	|	|	|	0.07

93.750	0.00	0.04	0.014	O	|	|	|	|	0.07	98.917	0.00	0.01	0.005	O	|	|	|	|	0.02
93.833	0.00	0.04	0.014	O	|	|	|	|	0.07	99.000	0.00	0.01	0.005	O	|	|	|	|	0.02
93.917	0.00	0.03	0.014	O	|	|	|	|	0.07	99.083	0.00	0.01	0.005	O	|	|	|	|	0.02
94.000	0.00	0.03	0.014	O	|	|	|	|	0.07	99.167	0.00	0.01	0.005	O	|	|	|	|	0.02
94.083	0.00	0.03	0.013	O	|	|	|	|	0.07	99.250	0.00	0.01	0.005	O	|	|	|	|	0.02
94.167	0.00	0.03	0.013	O	|	|	|	|	0.07	99.333	0.00	0.01	0.005	O	|	|	|	|	0.02
94.250	0.00	0.03	0.013	O	|	|	|	|	0.06	99.417	0.00	0.01	0.005	O	|	|	|	|	0.02
94.333	0.00	0.03	0.013	O	|	|	|	|	0.06	99.500	0.00	0.01	0.004	O	|	|	|	|	0.02
94.417	0.00	0.03	0.013	O	|	|	|	|	0.06	99.583	0.00	0.01	0.004	O	|	|	|	|	0.02
94.500	0.00	0.03	0.012	O	|	|	|	|	0.06	99.667	0.00	0.01	0.004	O	|	|	|	|	0.02
94.583	0.00	0.03	0.012	O	|	|	|	|	0.06	99.750	0.00	0.01	0.004	O	|	|	|	|	0.02
94.667	0.00	0.03	0.012	O	|	|	|	|	0.06	99.833	0.00	0.01	0.004	O	|	|	|	|	0.02
94.750	0.00	0.03	0.012	O	|	|	|	|	0.06	99.917	0.00	0.01	0.004	O	|	|	|	|	0.02
94.833	0.00	0.03	0.012	O	|	|	|	|	0.06	100.000	0.00	0.01	0.004	O	|	|	|	|	0.02
94.917	0.00	0.03	0.011	O	|	|	|	|	0.06	100.083	0.00	0.01	0.004	O	|	|	|	|	0.02
95.000	0.00	0.03	0.011	O	|	|	|	|	0.06	100.167	0.00	0.01	0.004	O	|	|	|	|	0.02
95.083	0.00	0.03	0.011	O	|	|	|	|	0.05	100.250	0.00	0.01	0.004	O	|	|	|	|	0.02
95.167	0.00	0.03	0.011	O	|	|	|	|	0.05	100.333	0.00	0.01	0.004	O	|	|	|	|	0.02
95.250	0.00	0.03	0.011	O	|	|	|	|	0.05	100.417	0.00	0.01	0.004	O	|	|	|	|	0.02
95.333	0.00	0.03	0.010	O	|	|	|	|	0.05	100.500	0.00	0.01	0.004	O	|	|	|	|	0.02
95.417	0.00	0.03	0.010	O	|	|	|	|	0.05	100.583	0.00	0.01	0.004	O	|	|	|	|	0.02
95.500	0.00	0.02	0.010	O	|	|	|	|	0.05	100.667	0.00	0.01	0.003	O	|	|	|	|	0.02
95.583	0.00	0.02	0.010	O	|	|	|	|	0.05	100.750	0.00	0.01	0.003	O	|	|	|	|	0.02
95.667	0.00	0.02	0.010	O	|	|	|	|	0.05	100.833	0.00	0.01	0.003	O	|	|	|	|	0.02
95.750	0.00	0.02	0.010	O	|	|	|	|	0.05	100.917	0.00	0.01	0.003	O	|	|	|	|	0.02
95.833	0.00	0.02	0.009	O	|	|	|	|	0.05	101.000	0.00	0.01	0.003	O	|	|	|	|	0.02
95.917	0.00	0.02	0.009	O	|	|	|	|	0.05	101.083	0.00	0.01	0.003	O	|	|	|	|	0.02
96.000	0.00	0.02	0.009	O	|	|	|	|	0.04	101.167	0.00	0.01	0.003	O	|	|	|	|	0.02
96.083	0.00	0.02	0.009	O	|	|	|	|	0.04	101.250	0.00	0.01	0.003	O	|	|	|	|	0.02
96.167	0.00	0.02	0.009	O	|	|	|	|	0.04	101.333	0.00	0.01	0.003	O	|	|	|	|	0.02
96.250	0.00	0.02	0.009	O	|	|	|	|	0.04	101.417	0.00	0.01	0.003	O	|	|	|	|	0.01
96.333	0.00	0.02	0.008	O	|	|	|	|	0.04	101.500	0.00	0.01	0.003	O	|	|	|	|	0.01
96.417	0.00	0.02	0.008	O	|	|	|	|	0.04	101.583	0.00	0.01	0.003	O	|	|	|	|	0.01
96.500	0.00	0.02	0.008	O	|	|	|	|	0.04	101.667	0.00	0.01	0.003	O	|	|	|	|	0.01
96.583	0.00	0.02	0.008	O	|	|	|	|	0.04	101.750	0.00	0.01	0.003	O	|	|	|	|	0.01
96.667	0.00	0.02	0.008	O	|	|	|	|	0.04	101.833	0.00	0.01	0.003	O	|	|	|	|	0.01
96.750	0.00	0.02	0.008	O	|	|	|	|	0.04	101.917	0.00	0.01	0.003	O	|	|	|	|	0.01
96.833	0.00	0.02	0.008	O	|	|	|	|	0.04	102.000	0.00	0.01	0.003	O	|	|	|	|	0.01
96.917	0.00	0.02	0.008	O	|	|	|	|	0.04	102.083	0.00	0.01	0.003	O	|	|	|	|	0.01
97.000	0.00	0.02	0.007	O	|	|	|	|	0.04	102.167	0.00	0.01	0.003	O	|	|	|	|	0.01
97.083	0.00	0.02	0.007	O	|	|	|	|	0.04	102.250	0.00	0.01	0.003	O	|	|	|	|	0.01
97.167	0.00	0.02	0.007	O	|	|	|	|	0.04	102.333	0.00	0.01	0.002	O	|	|	|	|	0.01
97.250	0.00	0.02	0.007	O	|	|	|	|	0.03	102.417	0.00	0.01	0.002	O	|	|	|	|	0.01
97.333	0.00	0.02	0.007	O	|	|	|	|	0.03	102.500	0.00	0.01	0.002	O	|	|	|	|	0.01
97.417	0.00	0.02	0.007	O	|	|	|	|	0.03	102.583	0.00	0.01	0.002	O	|	|	|	|	0.01
97.500	0.00	0.02	0.007	O	|	|	|	|	0.03	102.667	0.00	0.01	0.002	O	|	|	|	|	0.01
97.583	0.00	0.02	0.007	O	|	|	|	|	0.03	102.750	0.00	0.01	0.002	O	|	|	|	|	0.01
97.667	0.00	0.02	0.006	O	|	|	|	|	0.03	102.833	0.00	0.01	0.002	O	|	|	|	|	0.01
97.750	0.00	0.02	0.006	O	|	|	|	|	0.03	102.917	0.00	0.01	0.002	O	|	|	|	|	0.01
97.833	0.00	0.02	0.006	O	|	|	|	|	0.03	103.000	0.00	0.01	0.002	O	|	|	|	|	0.01
97.917	0.00	0.02	0.006	O	|	|	|	|	0.03	103.083	0.00	0.01	0.002	O	|	|	|	|	0.01
98.000	0.00	0.01	0.006	O	|	|	|	|	0.03	103.167	0.00	0.01	0.002	O	|	|	|	|	0.01
98.083	0.00	0.01	0.006	O	|	|	|	|	0.03	103.250	0.00	0.01	0.002	O	|	|	|	|	0.01
98.167	0.00	0.01	0.006	O	|	|	|	|	0.03	103.333	0.00	0.01	0.002	O	|	|	|	|	0.01
98.250	0.00	0.01	0.006	O	|	|	|	|	0.03	103.417	0.00	0.00	0.002	O	|	|	|	|	0.01
98.333	0.00	0.01	0.006	O	|	|	|	|	0.03	103.500	0.00	0.00	0.002	O	|	|	|	|	0.01
98.417	0.00	0.01	0.006	O	|	|	|	|	0.03	103.583	0.00	0.00	0.002	O	|	|	|	|	0.01
98.500	0.00	0.01	0.005	O	|	|	|	|	0.03	103.667	0.00	0.00	0.002	O	|	|	|	|	0.01
98.583	0.00	0.01	0.005	O	|	|	|	|	0.03	103.750	0.00	0.00	0.002	O	|	|	|	|	0.01
98.667	0.00	0.01	0.005	O	|	|	|	|	0.03	103.833	0.00	0.00	0.002	O	|	|	|	|	0.01
98.750	0.00	0.01	0.005	O	|	|	|	|	0.03	103.917	0.00	0.00	0.002	O	|	|	|	|	0.01
98.833	0.00	0.01	0.005	O	|	|	|	|	0.03	104.000	0.00	0.00	0.002	O	|	|	|	|	0.01

104.083	0.00	0.00	0.002	O	|	|	|	|	0.01
104.167	0.00	0.00	0.002	O	|	|	|	|	0.01
104.250	0.00	0.00	0.002	O	|	|	|	|	0.01
104.333	0.00	0.00	0.002	O	|	|	|	|	0.01
104.417	0.00	0.00	0.002	O	|	|	|	|	0.01
104.500	0.00	0.00	0.002	O	|	|	|	|	0.01
104.583	0.00	0.00	0.002	O	|	|	|	|	0.01
104.667	0.00	0.00	0.002	O	|	|	|	|	0.01
104.750	0.00	0.00	0.002	O	|	|	|	|	0.01
104.833	0.00	0.00	0.001	O	|	|	|	|	0.01
104.917	0.00	0.00	0.001	O	|	|	|	|	0.01
105.000	0.00	0.00	0.001	O	|	|	|	|	0.01
105.083	0.00	0.00	0.001	O	|	|	|	|	0.01
105.167	0.00	0.00	0.001	O	|	|	|	|	0.01
105.250	0.00	0.00	0.001	O	|	|	|	|	0.01
105.333	0.00	0.00	0.001	O	|	|	|	|	0.01
105.417	0.00	0.00	0.001	O	|	|	|	|	0.01
105.500	0.00	0.00	0.001	O	|	|	|	|	0.01
105.583	0.00	0.00	0.001	O	|	|	|	|	0.01
105.667	0.00	0.00	0.001	O	|	|	|	|	0.01
105.750	0.00	0.00	0.001	O	|	|	|	|	0.01
105.833	0.00	0.00	0.001	O	|	|	|	|	0.01
105.917	0.00	0.00	0.001	O	|	|	|	|	0.01
106.000	0.00	0.00	0.001	O	|	|	|	|	0.01
106.083	0.00	0.00	0.001	O	|	|	|	|	0.01
106.167	0.00	0.00	0.001	O	|	|	|	|	0.01
106.250	0.00	0.00	0.001	O	|	|	|	|	0.01
106.333	0.00	0.00	0.001	O	|	|	|	|	0.01
106.417	0.00	0.00	0.001	O	|	|	|	|	0.01
106.500	0.00	0.00	0.001	O	|	|	|	|	0.01
106.583	0.00	0.00	0.001	O	|	|	|	|	0.01
106.667	0.00	0.00	0.001	O	|	|	|	|	0.01
106.750	0.00	0.00	0.001	O	|	|	|	|	0.00
106.833	0.00	0.00	0.001	O	|	|	|	|	0.00
106.917	0.00	0.00	0.001	O	|	|	|	|	0.00
107.000	0.00	0.00	0.001	O	|	|	|	|	0.00
107.083	0.00	0.00	0.001	O	|	|	|	|	0.00
107.167	0.00	0.00	0.001	O	|	|	|	|	0.00
107.250	0.00	0.00	0.001	O	|	|	|	|	0.00
107.333	0.00	0.00	0.001	O	|	|	|	|	0.00
107.417	0.00	0.00	0.001	O	|	|	|	|	0.00
107.500	0.00	0.00	0.001	O	|	|	|	|	0.00
107.583	0.00	0.00	0.001	O	|	|	|	|	0.00
107.667	0.00	0.00	0.001	O	|	|	|	|	0.00
107.750	0.00	0.00	0.001	O	|	|	|	|	0.00
107.833	0.00	0.00	0.001	O	|	|	|	|	0.00
107.917	0.00	0.00	0.001	O	|	|	|	|	0.00
108.000	0.00	0.00	0.001	O	|	|	|	|	0.00
108.083	0.00	0.00	0.001	O	|	|	|	|	0.00
108.167	0.00	0.00	0.001	O	|	|	|	|	0.00
108.250	0.00	0.00	0.001	O	|	|	|	|	0.00
108.333	0.00	0.00	0.001	O	|	|	|	|	0.00
108.417	0.00	0.00	0.001	O	|	|	|	|	0.00
108.500	0.00	0.00	0.001	O	|	|	|	|	0.00
108.583	0.00	0.00	0.001	O	|	|	|	|	0.00
108.667	0.00	0.00	0.001	O	|	|	|	|	0.00
108.750	0.00	0.00	0.001	O	|	|	|	|	0.00
108.833	0.00	0.00	0.001	O	|	|	|	|	0.00
108.917	0.00	0.00	0.001	O	|	|	|	|	0.00
109.000	0.00	0.00	0.001	O	|	|	|	|	0.00
109.083	0.00	0.00	0.001	O	|	|	|	|	0.00
109.167	0.00	0.00	0.001	O	|	|	|	|	0.00
109.250	0.00	0.00	0.001	O	|	|	|	|	0.00
109.333	0.00	0.00	0.001	O	|	|	|	|	0.00
109.417	0.00	0.00	0.001	O	|	|	|	|	0.00
109.500	0.00	0.00	0.001	O	|	|	|	|	0.00
109.583	0.00	0.00	0.001	O	|	|	|	|	0.00
109.667	0.00	0.00	0.001	O	|	|	|	|	0.00
109.750	0.00	0.00	0.001	O	|	|	|	|	0.00
109.833	0.00	0.00	0.001	O	|	|	|	|	0.00
109.917	0.00	0.00	0.001	O	|	|	|	|	0.00
110.000	0.00	0.00	0.001	O	|	|	|	|	0.00
110.083	0.00	0.00	0.001	O	|	|	|	|	0.00
110.167	0.00	0.00	0.001	O	|	|	|	|	0.00
110.250	0.00	0.00	0.000	O	|	|	|	|	0.00
110.333	0.00	0.00	0.000	O	|	|	|	|	0.00
110.417	0.00	0.00	0.000	O	|	|	|	|	0.00
110.500	0.00	0.00	0.000	O	|	|	|	|	0.00
110.583	0.00	0.00	0.000	O	|	|	|	|	0.00
110.667	0.00	0.00	0.000	O	|	|	|	|	0.00
110.750	0.00	0.00	0.000	O	|	|	|	|	0.00
110.833	0.00	0.00	0.000	O	|	|	|	|	0.00
110.917	0.00	0.00	0.000	O	|	|	|	|	0.00
111.000	0.00	0.00	0.000	O	|	|	|	|	0.00
111.083	0.00	0.00	0.000	O	|	|	|	|	0.00
111.167	0.00	0.00	0.000	O	|	|	|	|	0.00
111.250	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1335
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 42.595 (CFS)
Total volume = 25.018 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.354	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.369	0.000	0.000	0.000	0.000

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Process from Point/Station 10.900 to Point/Station 10.900

**** STORE OR DELETE CURRENT HYDROGRAPH ****

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Current stream hydrograph of 5.0 minute
intervals has been stored as stream number 2 with
a starting time of 0.00 hours and ending time of 25.00 hours
With a total volume of 18.86(Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 0
Time interval = 0.0 (Min.)
Maximum/Peak flow rate = 0.000 (CFS)
Total volume = 0.000 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.354	42.595	0.000	0.000	0.000
Vol (Ac.Ft)	0.369	18.862	0.000	0.000	0.000

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Process from Point/Station 10.910 to Point/Station 10.920
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

********** HYDROGRAPH INFORMATION **********

From study/file name: MESAP10F10024100.rte

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P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	5.2	10.4	15.5	20.7
0+ 5	0.4290	0.43	Q				
0+10	0.8151	0.82	Q				
0+15	0.8503	0.85	Q				
0+20	1.0648	1.06	Q				
0+25	1.2579	1.26	Q				
0+30	1.2754	1.28	Q				
0+35	1.2754	1.28	Q				
0+40	1.2754	1.28	Q				
0+45	1.2754	1.28	Q				
0+50	1.4899	1.49	Q				
0+55	1.6830	1.68	Q				
1+ 0	1.7006	1.70	Q				
1+ 5	1.4861	1.49	Q				
1+10	1.2930	1.29	Q				
1+15	1.2754	1.28	Q				
1+20	1.2754	1.28	Q				
1+25	1.2754	1.28	Q				
1+30	1.2754	1.28	Q				
1+35	1.2754	1.28	Q				
1+40	1.2754	1.28	Q				
1+45	1.2754	1.28	Q				
1+50	1.4899	1.49	Q				
1+55	1.6830	1.68	Q				
2+ 0	1.7006	1.70	Q				
2+ 5	1.7006	1.70	Q				
2+10	1.7006	1.70	Q				
2+15	1.7006	1.70	Q				
2+20	1.7006	1.70	Q				
2+25	1.7006	1.70	Q				
2+30	1.7006	1.70	Q				
2+35	1.9150	1.92	Q				
2+40	2.1081	2.11	Q				
2+45	2.1257	2.13	Q				
2+50	2.1257	2.13	Q				
2+55	2.1257	2.13	Q				
3+ 0	2.1257	2.13	Q				
3+ 5	2.1257	2.13	Q				
3+10	2.1257	2.13	Q				
3+15	2.1257	2.13	Q				
3+20	2.1257	2.13	Q				
3+25	2.1257	2.13	Q				
3+30	2.1257	2.13	Q				
3+35	2.1257	2.13	Q				
3+40	2.1257	2.13	Q				
3+45	2.1257	2.13	Q				
3+50	2.3402	2.34	Q				
3+55	2.5333	2.53	Q				
4+ 0	2.5508	2.55	Q				
4+ 5	2.5508	2.55	Q				
4+10	2.5508	2.55	Q				
4+15	2.5508	2.55	Q				
4+20	2.7653	2.77	Q				
4+25	2.9584	2.96	Q				
4+30	2.9760	2.98	Q				
4+35	2.9760	2.98	Q				
4+40	2.9760	2.98	Q				
4+45	2.9760	2.98	Q				
4+50	3.1905	3.19	Q				
4+55	3.3836	3.38	Q				
5+ 0	3.4011	3.40	Q				
5+ 5	2.9722	2.97	Q				
5+10	2.5860	2.59	Q				
5+15	2.5508	2.55	Q				
5+20	2.7653	2.77	Q				
5+25	2.9584	2.96	Q				
5+30	2.9760	2.98	Q				
5+35	3.1905	3.19	Q				
5+40	3.3836	3.38	Q				
5+45	3.4011	3.40	Q				
5+50	3.4011	3.40	Q				
5+55	3.4011	3.40	Q				
6+ 0	3.4011	3.40	Q				
6+ 5	3.6156	3.62	Q				
6+10	3.8087	3.81	Q				
6+15	3.8263	3.83	Q				
6+20	3.8263	3.83	Q				
6+25	3.8263	3.83	Q				
6+30	3.8263	3.83	Q				
6+35	4.0407	4.04	Q				
6+40	4.2338	4.23	Q				
6+45	4.2514	4.25	Q				
6+50	4.2514	4.25	Q				
6+55	4.2514	4.25	Q				
7+ 0	4.2514	4.25	Q				
7+ 5	4.2514	4.25	Q				
7+10	4.2514	4.25	Q				
7+15	4.2514	4.25	Q				
7+20	4.4659	4.47	Q				
7+25	4.6590	4.66	Q				
7+30	4.6766	4.68	Q				
7+35	4.8910	4.89	Q				
7+40	5.0841	5.08	Q				
7+45	5.1017	5.10	Q				
7+50	5.3925	5.39	Q				
7+55	5.6616	5.66	Q				
8+ 0	5.6991	5.70	Q				
8+ 5	6.3942	6.39	Q				
8+10	7.0215	7.02	Q				
8+15	7.0914	7.09	Q				
8+20	7.1056	7.11	Q				
8+25	7.1196	7.12	Q				
8+30	7.1337	7.13	Q				
8+35	7.4882	7.49	Q				
8+40	7.8086	7.81	Q				
8+45	7.8504	7.85	Q				
8+50	8.2048	8.20	Q				
8+55	8.5251	8.53	Q				
9+ 0	8.5668	8.57	Q				

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 9+ 5     9.2615     9.26 |          |      Q   |          |          |
 9+10     9.8882     9.89 |          |        Q|          |          |
 9+15     9.9576     9.96 |          |        Q|          |          |
 9+20    10.3117    10.31 |          |        Q|          |          |
 9+25    10.6318    10.63 |          |         Q          |          |
 9+30    10.6732    10.67 |          |         Q          |          |
 9+35    11.0272    11.03 |          |          |Q        |          |
 9+40    11.3471    11.35 |          |          |Q        |          |
 9+45    11.3885    11.39 |          |          |Q        |          |
 9+50    11.7423    11.74 |          |          | Q       |          |
 9+55    12.0621    12.06 |          |          |  Q      |          |
10+ 0    12.1033    12.10 |          |          |  Q      |          |
10+ 5     9.7335     9.73 |          |       Q  |         |          |
10+10     7.6012     7.60 |          |  Q       |         |          |
10+15     7.4191     7.42 |          |  Q       |         |          |
10+20     7.4323     7.43 |          |  Q       |         |          |
10+25     7.4453     7.45 |          |  Q       |         |          |
10+30     7.4584     7.46 |          |  Q       |         |          |
10+35     9.1736     9.17 |          |     Q    |         |          |
10+40    10.7190    10.72 |          |        Q |         |          |
10+45    10.8713    10.87 |          |        Q |         |          |
10+50    10.8842    10.88 |          |          |Q        |          |
10+55    10.8970    10.90 |          |          |Q        |          |
11+ 0    10.9098    10.91 |          |          |Q        |          |
11+ 5    10.5821    10.58 |          |        Q |         |          |
11+10    10.2883    10.29 |          |        Q|         |          |
11+15    10.2730    10.27 |          |        Q|         |          |
11+20    10.2856    10.29 |          |        Q|         |          |
11+25    10.2981    10.30 |          |        Q|         |          |
11+30    10.3106    10.31 |          |        Q|         |          |
11+35     9.6422     9.64 |          |       Q  |         |          |
11+40     9.0416     9.04 |          |      Q   |         |          |
11+45     8.9982     9.00 |          |      Q   |         |          |
11+50     9.3510     9.35 |          |       Q  |         |          |
11+55     9.6697     9.67 |          |       Q  |         |          |
12+ 0     9.7098     9.71 |          |       Q  |         |          |
12+ 5    12.1051    12.11 |          |          | Q       |          |
12+10    14.2627    14.26 |          |          |    Q    |          |
12+15    14.4700    14.47 |          |          |    Q    |          |
12+20    14.8225    14.82 |          |          |     Q   |          |
12+25    15.1410    15.14 |          |          |     Q|  |          |
12+30    15.1808    15.18 |          |          |     Q|  |          |
12+35    15.8736    15.87 |          |          |      Q  |          |
12+40    16.4984    16.50 |          |          |      |Q |          |
12+45    16.5660    16.57 |          |          |      |Q |          |
12+50    16.9182    16.92 |          |          |      | Q|          |
12+55    17.2364    17.24 |          |          |      |  Q          |
13+ 0    17.2760    17.28 |          |          |      |  Q          |
13+ 5    18.9898    18.99 |          |          |         Q          |
13+10    20.5338    20.53 |          |          |          |Q        |
13+15    20.6848    20.68 |          |          |          |Q        |
13+20    20.6963    20.70 |          |          |          |Q        |
13+25    20.7077    20.71 |          |          |          |Q        |
13+30    20.7191    20.72 |          |          |          |  Q      |
13+35    16.9855    16.99 |          |          |      Q   |         |
13+40    13.6254    13.63 |          |          |    Q     |         |
13+45    13.3298    13.33 |          |          |   Q      |         |
13+50    13.3409    13.34 |          |          |   Q      |         |
13+55    13.3521    13.35 |          |          |   Q      |         |
14+ 0    13.3631    13.36 |          |          |   Q      |         |
14+ 5    14.7359    14.74 |          |          |     Q    |         |
14+10    15.9729    15.97 |          |          |      Q   |         |
14+15    16.0953    16.10 |          |          |          |Q        |
14+20    15.7658    15.77 |          |          |          |  Q      |
14+25    15.4701    15.47 |          |          |          |Q|       |
14+30    15.4530    15.45 |          |          |          |Q|       |
14+35    15.4637    15.46 |          |          |          |Q|       |
14+40    15.4744    15.47 |          |          |          |Q|       |
14+45    15.4850    15.48 |          |          |          |Q|       |
14+50    15.1551    15.16 |          |          |          |Q|       |
14+55    14.8591    14.86 |          |          |         Q |       |
15+ 0    14.8417    14.84 |          |          |         Q |       |
15+ 5    14.5116    14.51 |          |          |         Q |       |
15+10    14.2155    14.22 |          |          |        Q  |       |
15+15    14.1979    14.20 |          |          |        Q  |       |
15+20    13.8677    13.87 |          |          |       Q   |       |
15+25    13.5714    13.57 |          |          |       Q   |       |
15+30    13.5536    13.55 |          |          |       Q   |       |
15+35    12.2019    12.20 |          |          |   Q       |       |
15+40    10.9860    10.99 |          |          |Q          |       |
15+45    10.8844    10.88 |          |          |Q          |       |
15+50    10.8943    10.89 |          |          |Q          |       |
15+55    10.9042    10.90 |          |          |Q          |       |
16+ 0    10.9140    10.91 |          |          |Q          |       |
16+ 5     6.2681     6.27 |          |  Q       |           |       |
16+10     2.0816     2.08 |     Q    |          |           |       |
16+15     1.7006     1.70 |   Q      |          |           |       |
16+20     1.7006     1.70 |   Q      |          |           |       |
16+25     1.7006     1.70 |   Q      |          |           |       |
16+30     1.7006     1.70 |   Q      |          |           |       |
16+35     1.4861     1.49 | Q        |          |           |       |
16+40     1.2930     1.29 | Q        |          |           |       |
16+45     1.2754     1.28 | Q        |          |           |       |
16+50     1.2754     1.28 | Q        |          |           |       |
16+55     1.2754     1.28 | Q        |          |           |       |
17+ 0     1.2754     1.28 | Q        |          |           |       |
17+ 5     1.7044     1.70 |   Q      |          |           |       |
17+10     2.0906     2.09 |    Q     |          |           |       |
17+15     2.1257     2.13 |    Q     |          |           |       |
17+20     2.1257     2.13 |    Q     |          |           |       |
17+25     2.1257     2.13 |    Q     |          |           |       |
17+30     2.1257     2.13 |    Q     |          |           |       |
17+35     2.1257     2.13 |    Q     |          |           |       |
17+40     2.1257     2.13 |    Q     |          |           |       |
17+45     2.1257     2.13 |    Q     |          |           |       |
17+50     1.9112     1.91 |   Q      |          |           |       |
17+55     1.7181     1.72 |   Q      |          |           |       |
18+ 0     1.7006     1.70 |   Q      |          |           |       |
18+ 5     1.7006     1.70 |   Q      |          |           |       |
18+10     1.7006     1.70 |   Q      |          |           |       |
18+15     1.7006     1.70 |   Q      |          |           |       |
18+20     1.7006     1.70 |   Q      |          |           |       |
18+25     1.7006     1.70 |   Q      |          |           |       |
18+30     1.7006     1.70 |   Q      |          |           |       |
18+35     1.4861     1.49 | Q        |          |           |       |
18+40     1.2930     1.29 | Q        |          |           |       |
18+45     1.2754     1.28 | Q        |          |           |       |
18+50     1.0609     1.06 | Q        |          |           |       |
18+55     0.8679     0.87 |Q         |          |           |       |
19+ 0     0.8503     0.85 |Q         |          |           |       |
19+ 5     1.0648     1.06 | Q        |          |           |       |
19+10     1.2579     1.26 | Q        |          |           |       |
19+15     1.2754     1.28 | Q        |          |           |       |
19+20     1.4899     1.49 | Q        |          |           |       |
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 19+25       1.6830      1.68  |  Q       |          |          |          |
 19+30       1.7006      1.70  |  Q       |          |          |          |
 19+35       1.4861      1.49  | Q        |          |          |          |
 19+40       1.2930      1.29  | Q        |          |          |          |
 19+45       1.2754      1.28  | Q        |          |          |          |
 19+50       1.0609      1.06  | Q        |          |          |          |
 19+55       0.8679      0.87  |Q         |          |          |          |
 20+ 0       0.8503      0.85  |Q         |          |          |          |
 20+ 5       1.0648      1.06  | Q        |          |          |          |
 20+10       1.2579      1.26  | Q        |          |          |          |
 20+15       1.2754      1.28  | Q        |          |          |          |
 20+20       1.2754      1.28  | Q        |          |          |          |
 20+25       1.2754      1.28  | Q        |          |          |          |
 20+30       1.2754      1.28  | Q        |          |          |          |
 20+35       1.2754      1.28  | Q        |          |          |          |
 20+40       1.2754      1.28  | Q        |          |          |          |
 20+45       1.2754      1.28  | Q        |          |          |          |
 20+50       1.0609      1.06  | Q        |          |          |          |
 20+55       0.8679      0.87  |Q         |          |          |          |
 21+ 0       0.8503      0.85  |Q         |          |          |          |
 21+ 5       1.0648      1.06  | Q        |          |          |          |
 21+10       1.2579      1.26  | Q        |          |          |          |
 21+15       1.2754      1.28  | Q        |          |          |          |
 21+20       1.0609      1.06  | Q        |          |          |          |
 21+25       0.8679      0.87  |Q         |          |          |          |
 21+30       0.8503      0.85  |Q         |          |          |          |
 21+35       1.0648      1.06  | Q        |          |          |          |
 21+40       1.2579      1.26  | Q        |          |          |          |
 21+45       1.2754      1.28  | Q        |          |          |          |
 21+50       1.0609      1.06  | Q        |          |          |          |
 21+55       0.8679      0.87  |Q         |          |          |          |
 22+ 0       0.8503      0.85  |Q         |          |          |          |
 22+ 5       1.0648      1.06  | Q        |          |          |          |
 22+10       1.2579      1.26  | Q        |          |          |          |
 22+15       1.2754      1.28  | Q        |          |          |          |
 22+20       1.0609      1.06  | Q        |          |          |          |
 22+25       0.8679      0.87  |Q         |          |          |          |
 22+30       0.8503      0.85  |Q         |          |          |          |
 22+35       0.8503      0.85  |Q         |          |          |          |
 22+40       0.8503      0.85  |Q         |          |          |          |
 22+45       0.8503      0.85  |Q         |          |          |          |
 22+50       0.8503      0.85  |Q         |          |          |          |
 22+55       0.8503      0.85  |Q         |          |          |          |
 23+ 0       0.8503      0.85  |Q         |          |          |          |
 23+ 5       0.8503      0.85  |Q         |          |          |          |
 23+10       0.8503      0.85  |Q         |          |          |          |
 23+15       0.8503      0.85  |Q         |          |          |          |
 23+20       0.8503      0.85  |Q         |          |          |          |
 23+25       0.8503      0.85  |Q         |          |          |          |
 23+30       0.8503      0.85  |Q         |          |          |          |
 23+35       0.8503      0.85  |Q         |          |          |          |
 23+40       0.8503      0.85  |Q         |          |          |          |
 23+45       0.8503      0.85  |Q         |          |          |          |
 23+50       0.8503      0.85  |Q         |          |          |          |
 23+55       0.8503      0.85  |Q         |          |          |          |
 24+ 0       0.8503      0.85  |Q         |          |          |          |
 24+ 5       0.4213      0.42  Q          |          |          |          |
 24+10       0.0351      0.04  Q          |          |          |          |
--------------------------------------------------------------------------
       ****************************HYDROGRAPH DATA****************************
                     Number of intervals =   290
                     Time interval =    5.0 (Min.)
                     Maximum/Peak flow rate =       20.719 (CFS)
                     Total volume =      10.779 (Ac.Ft)
           Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      0.354    42.595     0.000     0.000     0.000
           Vol (Ac.Ft)     0.369    18.862     0.000     0.000     0.000
*******************************************************************************

-------------------------------------------------------------------------------


+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       10.920 to Point/Station       10.920
**** RETARDING BASIN ROUTING ****
_______________________________________________________________________________

User entry of depth-outflow-storage data
-------------------------------------------------------------------------------
Total number of inflow hydrograph intervals = 290
Hydrograph time unit =  5.000 (Min.)
Initial depth in storage basin =   0.00(Ft.)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Initial basin depth =   0.00 (Ft.)
Initial basin storage =      0.00 (Ac.Ft)
Initial basin outflow =   0.00 (CFS)
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
     (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
-------------------------------------------------------------------------------
  0.000      0.000      0.000      0.000        0.000
  1.000      0.073      0.200      0.072        0.074
  2.000      0.182      0.560      0.180        0.184
  3.000      0.333      0.780      0.330        0.336
  4.000      0.529      0.940      0.526        0.532
  5.000      0.775      1.080      0.771        0.779
  6.000      1.076      1.200      1.072        1.080
  7.000      1.437      1.310      1.432        1.442
  8.000      1.863      1.410      1.858        1.868
  9.000      2.359      1.500      2.354        2.364
 10.000      2.931      1.590      2.926        2.936
 11.000      3.583      1.680      3.577        3.589
 12.000      4.322      1.760      4.316        4.328
 13.000      5.162      1.840      5.156        5.168
 14.000      6.114      1.910      6.107        6.121
 15.000      7.175      1.980      7.168        7.182
 16.000      8.351     26.320      8.260        8.442
 17.000      9.646     70.760      9.402        9.890
 18.000     11.067    128.280     10.625       11.509
-------------------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
-------------------------------------------------------------------------------

Graph values: 'I'= unit inflow; 'O'=outflow at time shown
-------------------------------------------------------------------------------
 Time   Inflow  Outflow    Storage                                        Depth
(Hours) (CFS)    (CFS)     (Ac.Ft) .0       5.2   10.36   15.54   20.72 (Ft.)
 0.083    0.43    0.00      0.001  O       |       |       |       |     0.02
 0.167    0.82    0.02      0.006  OI      |       |       |       |     0.08
 0.250    0.85    0.03      0.011  OI      |       |       |       |     0.15
```

| | | |

10.667	10.72	1.59	2.911	| O | I | | 9.97						15.833	10.89	10.75	7.599	| | O | | 15.36					
10.750	10.87	1.60	2.975	| O | I | | 10.07						15.917	10.90	10.77	7.600	| | O | | 15.36					
10.833	10.88	1.60	3.038	| O | I | | 10.16						16.000	10.91	10.79	7.601	| | O | | 15.36					
10.917	10.90	1.61	3.102	| O | I | | 10.26						16.083	6.27	10.50	7.587	| |I O | | 15.35					
11.000	10.91	1.62	3.166	| O | I | | 10.36						16.167	2.08	9.66	7.546	| I O | | 15.32					
11.083	10.58	1.63	3.229	| O | I | | 10.46						16.250	1.70	8.62	7.496	| I O | | 15.27					
11.167	10.29	1.64	3.290	| O | I| | | 10.55						16.333	1.70	7.70	7.451	| I O | | 15.24					
11.250	10.27	1.65	3.349	| O | I| | | 10.64						16.417	1.70	6.90	7.413	| I O | | 15.20					
11.333	10.29	1.66	3.409	| O | I| | | 10.73						16.500	1.70	6.21	7.379	| I |O | | 15.17					
11.417	10.30	1.66	3.468	| O | I| | | 10.82						16.583	1.49	5.60	7.350	| I O | | 15.15					
11.500	10.31	1.67	3.528	| O | I| | | 10.92						16.667	1.29	5.04	7.323	|I O| | 15.13					
11.583	9.64	1.68	3.585	| O | I | | | 11.00						16.750	1.28	4.54	7.299	|I O| | 15.11					
11.667	9.04	1.69	3.638	| O | I | | | 11.07						16.833	1.28	4.10	7.278	|I O | | 15.09					
11.750	9.00	1.69	3.688	| O | I | | | 11.14						16.917	1.28	3.73	7.259	|I O | | 15.07					
11.833	9.35	1.70	3.740	| O | I | | | 11.21						17.000	1.28	3.40	7.244	|I O | | 15.06					
11.917	9.67	1.70	3.793	| O | I | | | 11.28						17.083	1.70	3.15	7.231	| I O | | 15.05					
12.000	9.71	1.71	3.848	| O | I | | | 11.36						17.167	2.09	2.98	7.223	| IO | | 15.04					
12.083	12.11	1.72	3.912	| O | | I | | 11.44						17.250	2.13	2.86	7.218	| IO | | 15.04					
12.167	14.26	1.72	3.991	| O | | | I | | 11.55						17.333	2.13	2.77	7.213	| IO | | 15.03					
12.250	14.47	1.73	4.078	| O | | | I | | 11.67						17.417	2.13	2.68	7.209	| IO | | 15.03					
12.333	14.82	1.74	4.167	| O | | | I | | 11.79						17.500	2.13	2.61	7.205	| IO | | 15.03					
12.417	15.14	1.75	4.258	| O | | | I| | 11.91						17.583	2.13	2.54	7.202	| O | | 15.02					
12.500	15.18	1.76	4.350	| O | | | I| | 12.03						17.667	2.13	2.49	7.200	| O | | 15.02					
12.583	15.87	1.77	4.445	| O | | | I | 12.15						17.750	2.13	2.44	7.197	| O | | 15.02					
12.667	16.50	1.78	4.544	| O | | |I | 12.26						17.833	1.91	2.38	7.194	| IO | | 15.02					
12.750	16.57	1.79	4.646	| O | | |I | 12.39						17.917	1.72	2.31	7.191	| IO | | 15.01					
12.833	16.92	1.80	4.748	| O | | | I | 12.51						18.000	1.70	2.23	7.187	| IO | | 15.01					
12.917	17.24	1.81	4.854	| O | | | I | 12.63						18.083	1.70	2.16	7.184	| IO | | 15.01					
13.000	17.28	1.82	4.960	| O | | | I | 12.76						18.167	1.70	2.10	7.181	| IO | | 15.00					
13.083	18.99	1.83	5.072	| O | | | I | 12.89						18.250	1.70	2.04	7.178	| IO | | 15.00					
13.167	20.53	1.84	5.196	| O | | | I| 13.04						18.333	1.70	2.00	7.176	| IO | | 15.00					
13.250	20.68	1.85	5.325	| O | | | I| 13.17						18.417	1.70	1.98	7.174	| IO | | 15.00					
13.333	20.70	1.86	5.455	| O | | | I| 13.31						18.500	1.70	1.98	7.172	| IO | | 15.00					
13.417	20.71	1.87	5.584	| O | | | I| 13.44						18.583	1.49	1.98	7.169	| IO | | 14.99					
13.500	20.72	1.88	5.714	| O | | | I 13.58						18.667	1.29	1.98	7.165	|I O | | 14.99					
13.583	16.99	1.89	5.831	| O | | | | I | 13.70						18.750	1.28	1.98	7.160	|I O | | 14.99					
13.667	13.63	1.90	5.923	| O | | | I | | 13.80						18.833	1.06	1.98	7.155	|I O | | 14.98					
13.750	13.33	1.90	6.003	| O | | | I | | 13.88						18.917	0.87	1.98	7.148	|I O | | 14.97					
13.833	13.34	1.91	6.082	| O | | | I | | 13.97						19.000	0.85	1.98	7.140	|I O | | 14.97					
13.917	13.35	1.91	6.161	| O | | | I | | 14.04						19.083	1.06	1.98	7.133	|I O | | 14.96					
14.000	13.36	1.92	6.239	| O | | | I | | 14.12						19.167	1.26	1.98	7.128	|I O | | 14.96					
14.083	14.74	1.92	6.323	| O | | | I | 14.20						19.250	1.28	1.98	7.123	|I O | | 14.95					
14.167	15.97	1.93	6.415	| O | | | I | 14.28						19.333	1.49	1.98	7.119	| IO | | 14.95					
14.250	16.10	1.94	6.512	| O | | | I | 14.38						19.417	1.68	1.98	7.116	| IO | | 14.94					
14.333	15.77	1.94	6.609	| O | | | I | 14.47						19.500	1.70	1.98	7.114	| IO | | 14.94					
14.417	15.47	1.95	6.703	| O | | | I| 14.56						19.583	1.49	1.98	7.111	| IO | | 14.94					
14.500	15.45	1.95	6.796	| O | | | I| 14.64						19.667	1.29	1.98	7.107	|I O | | 14.94					
14.583	15.46	1.96	6.889	| O | | | I| 14.73						19.750	1.28	1.98	7.103	|I O | | 14.93					
14.667	15.47	1.97	6.982	| O | | | I| 14.82						19.833	1.06	1.97	7.097	|I O | | 14.93					
14.750	15.48	1.97	7.075	| O | | | I| 14.91						19.917	0.87	1.97	7.090	|I O | | 14.92					
14.833	15.16	1.98	7.167	| O | | | I| 14.99						20.000	0.85	1.97	7.082	|I O | | 14.91					
14.917	14.86	3.56	7.251	| O | | | I | 15.06						20.083	1.06	1.97	7.075	|I O | | 14.91					
15.000	14.84	5.06	7.324	| O| | | I | 15.13						20.167	1.26	1.97	7.070	|I O | | 14.90					
15.083	14.51	6.34	7.386	|O | | I | 15.18						20.250	1.28	1.97	7.065	|I O | | 14.90					
15.167	14.22	7.41	7.437	| O | | I | 15.22						20.333	1.28	1.97	7.060	|I O | | 14.89					
15.250	14.20	8.31	7.481	| O | | I | 15.26						20.417	1.28	1.97	7.055	|I O | | 14.89					
15.333	13.87	9.07	7.518	| O | | I | 15.29						20.500	1.28	1.97	7.050	|I O | | 14.88					
15.417	13.57	9.69	7.548	| O | | I | 15.32						20.583	1.28	1.97	7.046	|I O | | 14.88					
15.500	13.55	10.21	7.572	| O| | I | 15.34						20.667	1.28	1.97	7.041	|I O | | 14.87					
15.583	12.20	10.56	7.590	| O I | | 15.35						20.750	1.28	1.97	7.036	|I O | | 14.87					
15.667	10.99	10.70	7.596	| O | | 15.36						20.833	1.06	1.97	7.031	|I O | | 14.86					
15.750	10.88	10.73	7.598	| O | | 15.36						20.917	0.87	1.97	7.024	|I O | | 14.86					

21.000	0.85	1.97	7.016	I O					14.85	26.167	0.00	1.93	6.425	I O					14.29
21.083	1.06	1.97	7.009	I O					14.84	26.250	0.00	1.93	6.412	I O					14.28
21.167	1.26	1.97	7.003	I O					14.84	26.333	0.00	1.93	6.399	I O					14.27
21.250	1.28	1.97	6.999	I O					14.83	26.417	0.00	1.93	6.385	I O					14.26
21.333	1.06	1.97	6.993	I O					14.83	26.500	0.00	1.93	6.372	I O					14.24
21.417	0.87	1.97	6.986	I O					14.82	26.583	0.00	1.93	6.359	I O					14.23
21.500	0.85	1.97	6.979	I O					14.81	26.667	0.00	1.93	6.345	I O					14.22
21.583	1.06	1.97	6.972	I O					14.81	26.750	0.00	1.92	6.332	I O					14.21
21.667	1.26	1.97	6.966	I O					14.80	26.833	0.00	1.92	6.319	I O					14.19
21.750	1.28	1.97	6.961	I O					14.80	26.917	0.00	1.92	6.306	I O					14.18
21.833	1.06	1.97	6.956	I O					14.79	27.000	0.00	1.92	6.292	I O					14.17
21.917	0.87	1.97	6.949	I O					14.79	27.083	0.00	1.92	6.279	I O					14.16
22.000	0.85	1.96	6.941	I O					14.78	27.167	0.00	1.92	6.266	I O					14.14
22.083	1.06	1.96	6.934	I O					14.77	27.250	0.00	1.92	6.253	I O					14.13
22.167	1.26	1.96	6.929	I O					14.77	27.333	0.00	1.92	6.240	I O					14.12
22.250	1.28	1.96	6.924	I O					14.76	27.417	0.00	1.92	6.226	I O					14.11
22.333	1.06	1.96	6.919	I O					14.76	27.500	0.00	1.92	6.213	I O					14.09
22.417	0.87	1.96	6.912	I O					14.75	27.583	0.00	1.92	6.200	I O					14.08
22.500	0.85	1.96	6.904	I O					14.74	27.667	0.00	1.91	6.187	I O					14.07
22.583	0.85	1.96	6.896	I O					14.74	27.750	0.00	1.91	6.174	I O					14.06
22.667	0.85	1.96	6.889	I O					14.73	27.833	0.00	1.91	6.160	I O					14.04
22.750	0.85	1.96	6.881	I O					14.72	27.917	0.00	1.91	6.147	I O					14.03
22.833	0.85	1.96	6.873	I O					14.72	28.000	0.00	1.91	6.134	I O					14.02
22.917	0.85	1.96	6.866	I O					14.71	28.083	0.00	1.91	6.121	I O					14.01
23.000	0.85	1.96	6.858	I O					14.70	28.167	0.00	1.91	6.108	I O					13.99
23.083	0.85	1.96	6.851	I O					14.69	28.250	0.00	1.91	6.095	I O					13.98
23.167	0.85	1.96	6.843	I O					14.69	28.333	0.00	1.91	6.081	I O					13.97
23.250	0.85	1.96	6.835	I O					14.68	28.417	0.00	1.91	6.068	I O					13.95
23.333	0.85	1.96	6.828	I O					14.67	28.500	0.00	1.91	6.055	I O					13.94
23.417	0.85	1.96	6.820	I O					14.67	28.583	0.00	1.90	6.042	I O					13.92
23.500	0.85	1.96	6.812	I O					14.66	28.667	0.00	1.90	6.029	I O					13.91
23.583	0.85	1.96	6.805	I O					14.65	28.750	0.00	1.90	6.016	I O					13.90
23.667	0.85	1.96	6.797	I O					14.64	28.833	0.00	1.90	6.003	I O					13.88
23.750	0.85	1.95	6.790	I O					14.64	28.917	0.00	1.90	5.990	I O					13.87
23.833	0.85	1.95	6.782	I O					14.63	29.000	0.00	1.90	5.977	I O					13.86
23.917	0.85	1.95	6.774	I O					14.62	29.083	0.00	1.90	5.963	I O					13.84
24.000	0.85	1.95	6.767	I O					14.62	29.167	0.00	1.90	5.950	I O					13.83
24.083	0.42	1.95	6.758	I O					14.61	29.250	0.00	1.90	5.937	I O					13.81
24.167	0.04	1.95	6.746	I O					14.60	29.333	0.00	1.90	5.924	I O					13.80
24.250	0.00	1.95	6.733	I O					14.58	29.417	0.00	1.90	5.911	I O					13.79
24.333	0.00	1.95	6.719	I O					14.57	29.500	0.00	1.89	5.898	I O					13.77
24.417	0.00	1.95	6.706	I O					14.56	29.583	0.00	1.89	5.885	I O					13.76
24.500	0.00	1.95	6.692	I O					14.54	29.667	0.00	1.89	5.872	I O					13.75
24.583	0.00	1.95	6.679	I O					14.53	29.750	0.00	1.89	5.859	I O					13.73
24.667	0.00	1.95	6.665	I O					14.52	29.833	0.00	1.89	5.846	I O					13.72
24.750	0.00	1.95	6.652	I O					14.51	29.917	0.00	1.89	5.833	I O					13.70
24.833	0.00	1.94	6.639	I O					14.49	30.000	0.00	1.89	5.820	I O					13.69
24.917	0.00	1.94	6.625	I O					14.48	30.083	0.00	1.89	5.807	I O					13.68
25.000	0.00	1.94	6.612	I O					14.47	30.167	0.00	1.89	5.794	I O					13.66
25.083	0.00	1.94	6.598	I O					14.46	30.250	0.00	1.89	5.781	I O					13.65
25.167	0.00	1.94	6.585	I O					14.44	30.333	0.00	1.88	5.768	I O					13.64
25.250	0.00	1.94	6.572	I O					14.43	30.417	0.00	1.88	5.755	I O					13.62
25.333	0.00	1.94	6.558	I O					14.42	30.500	0.00	1.88	5.742	I O					13.61
25.417	0.00	1.94	6.545	I O					14.41	30.583	0.00	1.88	5.729	I O					13.60
25.500	0.00	1.94	6.532	I O					14.39	30.667	0.00	1.88	5.716	I O					13.58
25.583	0.00	1.94	6.518	I O					14.38	30.750	0.00	1.88	5.703	I O					13.57
25.667	0.00	1.94	6.505	I O					14.37	30.833	0.00	1.88	5.690	I O					13.55
25.750	0.00	1.93	6.492	I O					14.36	30.917	0.00	1.88	5.677	I O					13.54
25.833	0.00	1.93	6.478	I O					14.34	31.000	0.00	1.88	5.664	I O					13.53
25.917	0.00	1.93	6.465	I O					14.33	31.083	0.00	1.88	5.652	I O					13.51
26.000	0.00	1.93	6.452	I O					14.32	31.167	0.00	1.88	5.639	I O					13.50
26.083	0.00	1.93	6.438	I O					14.31	31.250	0.00	1.87	5.626	I O					13.49

31.333	0.00	1.87	5.613	I	O	|	|	|	|	13.47	36.500	0.00	1.81	4.826	I	O	|	|	|	|	12.60
31.417	0.00	1.87	5.600	I	O	|	|	|	|	13.46	36.583	0.00	1.81	4.814	I	O	|	|	|	|	12.59
31.500	0.00	1.87	5.587	I	O	|	|	|	|	13.45	36.667	0.00	1.81	4.801	I	O	|	|	|	|	12.57
31.583	0.00	1.87	5.574	I	O	|	|	|	|	13.43	36.750	0.00	1.80	4.789	I	O	|	|	|	|	12.56
31.667	0.00	1.87	5.561	I	O	|	|	|	|	13.42	36.833	0.00	1.80	4.776	I	O	|	|	|	|	12.54
31.750	0.00	1.87	5.548	I	O	|	|	|	|	13.41	36.917	0.00	1.80	4.764	I	O	|	|	|	|	12.53
31.833	0.00	1.87	5.535	I	O	|	|	|	|	13.39	37.000	0.00	1.80	4.751	I	O	|	|	|	|	12.51
31.917	0.00	1.87	5.523	I	O	|	|	|	|	13.38	37.083	0.00	1.80	4.739	I	O	|	|	|	|	12.50
32.000	0.00	1.87	5.510	I	O	|	|	|	|	13.37	37.167	0.00	1.80	4.727	I	O	|	|	|	|	12.48
32.083	0.00	1.86	5.497	I	O	|	|	|	|	13.35	37.250	0.00	1.80	4.714	I	O	|	|	|	|	12.47
32.167	0.00	1.86	5.484	I	O	|	|	|	|	13.34	37.333	0.00	1.80	4.702	I	O	|	|	|	|	12.45
32.250	0.00	1.86	5.471	I	O	|	|	|	|	13.32	37.417	0.00	1.80	4.690	I	O	|	|	|	|	12.44
32.333	0.00	1.86	5.458	I	O	|	|	|	|	13.31	37.500	0.00	1.79	4.677	I	O	|	|	|	|	12.42
32.417	0.00	1.86	5.446	I	O	|	|	|	|	13.30	37.583	0.00	1.79	4.665	I	O	|	|	|	|	12.41
32.500	0.00	1.86	5.433	I	O	|	|	|	|	13.28	37.667	0.00	1.79	4.653	I	O	|	|	|	|	12.39
32.583	0.00	1.86	5.420	I	O	|	|	|	|	13.27	37.750	0.00	1.79	4.640	I	O	|	|	|	|	12.38
32.667	0.00	1.86	5.407	I	O	|	|	|	|	13.26	37.833	0.00	1.79	4.628	I	O	|	|	|	|	12.36
32.750	0.00	1.86	5.394	I	O	|	|	|	|	13.24	37.917	0.00	1.79	4.616	I	O	|	|	|	|	12.35
32.833	0.00	1.86	5.382	I	O	|	|	|	|	13.23	38.000	0.00	1.79	4.603	I	O	|	|	|	|	12.33
32.917	0.00	1.86	5.369	I	O	|	|	|	|	13.22	38.083	0.00	1.79	4.591	I	O	|	|	|	|	12.32
33.000	0.00	1.85	5.356	I	O	|	|	|	|	13.20	38.167	0.00	1.78	4.579	I	O	|	|	|	|	12.31
33.083	0.00	1.85	5.343	I	O	|	|	|	|	13.19	38.250	0.00	1.78	4.566	I	O	|	|	|	|	12.29
33.167	0.00	1.85	5.331	I	O	|	|	|	|	13.18	38.333	0.00	1.78	4.554	I	O	|	|	|	|	12.28
33.250	0.00	1.85	5.318	I	O	|	|	|	|	13.16	38.417	0.00	1.78	4.542	I	O	|	|	|	|	12.26
33.333	0.00	1.85	5.305	I	O	|	|	|	|	13.15	38.500	0.00	1.78	4.530	I	O	|	|	|	|	12.25
33.417	0.00	1.85	5.292	I	O	|	|	|	|	13.14	38.583	0.00	1.78	4.517	I	O	|	|	|	|	12.23
33.500	0.00	1.85	5.280	I	O	|	|	|	|	13.12	38.667	0.00	1.78	4.505	I	O	|	|	|	|	12.22
33.583	0.00	1.85	5.267	I	O	|	|	|	|	13.11	38.750	0.00	1.78	4.493	I	O	|	|	|	|	12.20
33.667	0.00	1.85	5.254	I	O	|	|	|	|	13.10	38.833	0.00	1.78	4.481	I	O	|	|	|	|	12.19
33.750	0.00	1.85	5.241	I	O	|	|	|	|	13.08	38.917	0.00	1.77	4.468	I	O	|	|	|	|	12.17
33.833	0.00	1.84	5.229	I	O	|	|	|	|	13.07	39.000	0.00	1.77	4.456	I	O	|	|	|	|	12.16
33.917	0.00	1.84	5.216	I	O	|	|	|	|	13.06	39.083	0.00	1.77	4.444	I	O	|	|	|	|	12.15
34.000	0.00	1.84	5.203	I	O	|	|	|	|	13.04	39.167	0.00	1.77	4.432	I	O	|	|	|	|	12.13
34.083	0.00	1.84	5.191	I	O	|	|	|	|	13.03	39.250	0.00	1.77	4.420	I	O	|	|	|	|	12.12
34.167	0.00	1.84	5.178	I	O	|	|	|	|	13.02	39.333	0.00	1.77	4.407	I	O	|	|	|	|	12.10
34.250	0.00	1.84	5.165	I	O	|	|	|	|	13.00	39.417	0.00	1.77	4.395	I	O	|	|	|	|	12.09
34.333	0.00	1.84	5.153	I	O	|	|	|	|	12.99	39.500	0.00	1.77	4.383	I	O	|	|	|	|	12.07
34.417	0.00	1.84	5.140	I	O	|	|	|	|	12.97	39.583	0.00	1.76	4.371	I	O	|	|	|	|	12.06
34.500	0.00	1.84	5.127	I	O	|	|	|	|	12.96	39.667	0.00	1.76	4.359	I	O	|	|	|	|	12.04
34.583	0.00	1.84	5.115	I	O	|	|	|	|	12.94	39.750	0.00	1.76	4.347	I	O	|	|	|	|	12.03
34.667	0.00	1.83	5.102	I	O	|	|	|	|	12.93	39.833	0.00	1.76	4.334	I	O	|	|	|	|	12.01
34.750	0.00	1.83	5.089	I	O	|	|	|	|	12.91	39.917	0.00	1.76	4.322	I	O	|	|	|	|	12.00
34.833	0.00	1.83	5.077	I	O	|	|	|	|	12.90	40.000	0.00	1.76	4.310	I	O	|	|	|	|	11.98
34.917	0.00	1.83	5.064	I	O	|	|	|	|	12.88	40.083	0.00	1.76	4.298	I	O	|	|	|	|	11.97
35.000	0.00	1.83	5.052	I	O	|	|	|	|	12.87	40.167	0.00	1.76	4.286	I	O	|	|	|	|	11.95
35.083	0.00	1.83	5.039	I	O	|	|	|	|	12.85	40.250	0.00	1.75	4.274	I	O	|	|	|	|	11.93
35.167	0.00	1.83	5.026	I	O	|	|	|	|	12.84	40.333	0.00	1.75	4.262	I	O	|	|	|	|	11.92
35.250	0.00	1.83	5.014	I	O	|	|	|	|	12.82	40.417	0.00	1.75	4.250	I	O	|	|	|	|	11.90
35.333	0.00	1.82	5.001	I	O	|	|	|	|	12.81	40.500	0.00	1.75	4.238	I	O	|	|	|	|	11.89
35.417	0.00	1.82	4.989	I	O	|	|	|	|	12.79	40.583	0.00	1.75	4.226	I	O	|	|	|	|	11.87
35.500	0.00	1.82	4.976	I	O	|	|	|	|	12.78	40.667	0.00	1.75	4.214	I	O	|	|	|	|	11.85
35.583	0.00	1.82	4.964	I	O	|	|	|	|	12.76	40.750	0.00	1.75	4.202	I	O	|	|	|	|	11.84
35.667	0.00	1.82	4.951	I	O	|	|	|	|	12.75	40.833	0.00	1.75	4.190	I	O	|	|	|	|	11.82
35.750	0.00	1.82	4.938	I	O	|	|	|	|	12.73	40.917	0.00	1.74	4.178	I	O	|	|	|	|	11.80
35.833	0.00	1.82	4.926	I	O	|	|	|	|	12.72	41.000	0.00	1.74	4.166	I	O	|	|	|	|	11.79
35.917	0.00	1.82	4.913	I	O	|	|	|	|	12.70	41.083	0.00	1.74	4.154	I	O	|	|	|	|	11.77
36.000	0.00	1.82	4.901	I	O	|	|	|	|	12.69	41.167	0.00	1.74	4.142	I	O	|	|	|	|	11.76
36.083	0.00	1.81	4.888	I	O	|	|	|	|	12.67	41.250	0.00	1.74	4.130	I	O	|	|	|	|	11.74
36.167	0.00	1.81	4.876	I	O	|	|	|	|	12.66	41.333	0.00	1.74	4.118	I	O	|	|	|	|	11.72
36.250	0.00	1.81	4.863	I	O	|	|	|	|	12.64	41.417	0.00	1.74	4.106	I	O	|	|	|	|	11.71
36.333	0.00	1.81	4.851	I	O	|	|	|	|	12.63	41.500	0.00	1.74	4.094	I	O	|	|	|	|	11.69
36.417	0.00	1.81	4.839	I	O	|	|	|	|	12.61	41.583	0.00	1.73	4.082	I	O	|	|	|	|	11.67

41.667	0.00	1.73	4.070	I	O	|	|	|	|	11.66	46.833	0.00	1.65	3.347	I	O	|	|	|	|	10.64
41.750	0.00	1.73	4.058	I	O	|	|	|	|	11.64	46.917	0.00	1.65	3.336	I	O	|	|	|	|	10.62
41.833	0.00	1.73	4.046	I	O	|	|	|	|	11.63	47.000	0.00	1.64	3.325	I	O	|	|	|	|	10.60
41.917	0.00	1.73	4.034	I	O	|	|	|	|	11.61	47.083	0.00	1.64	3.313	I	O	|	|	|	|	10.59
42.000	0.00	1.73	4.022	I	O	|	|	|	|	11.59	47.167	0.00	1.64	3.302	I	O	|	|	|	|	10.57
42.083	0.00	1.73	4.010	I	O	|	|	|	|	11.58	47.250	0.00	1.64	3.291	I	O	|	|	|	|	10.55
42.167	0.00	1.72	3.998	I	O	|	|	|	|	11.56	47.333	0.00	1.64	3.279	I	O	|	|	|	|	10.53
42.250	0.00	1.72	3.986	I	O	|	|	|	|	11.55	47.417	0.00	1.64	3.268	I	O	|	|	|	|	10.52
42.333	0.00	1.72	3.975	I	O	|	|	|	|	11.53	47.500	0.00	1.63	3.257	I	O	|	|	|	|	10.50
42.417	0.00	1.72	3.963	I	O	|	|	|	|	11.51	47.583	0.00	1.63	3.246	I	O	|	|	|	|	10.48
42.500	0.00	1.72	3.951	I	O	|	|	|	|	11.50	47.667	0.00	1.63	3.234	I	O	|	|	|	|	10.47
42.583	0.00	1.72	3.939	I	O	|	|	|	|	11.48	47.750	0.00	1.63	3.223	I	O	|	|	|	|	10.45
42.667	0.00	1.72	3.927	I	O	|	|	|	|	11.47	47.833	0.00	1.63	3.212	I	O	|	|	|	|	10.43
42.750	0.00	1.72	3.915	I	O	|	|	|	|	11.45	47.917	0.00	1.63	3.201	I	O	|	|	|	|	10.41
42.833	0.00	1.71	3.904	I	O	|	|	|	|	11.43	48.000	0.00	1.63	3.189	I	O	|	|	|	|	10.40
42.917	0.00	1.71	3.892	I	O	|	|	|	|	11.42	48.083	0.00	1.62	3.178	I	O	|	|	|	|	10.38
43.000	0.00	1.71	3.880	I	O	|	|	|	|	11.40	48.167	0.00	1.62	3.167	I	O	|	|	|	|	10.36
43.083	0.00	1.71	3.868	I	O	|	|	|	|	11.39	48.250	0.00	1.62	3.156	I	O	|	|	|	|	10.34
43.167	0.00	1.71	3.856	I	O	|	|	|	|	11.37	48.333	0.00	1.62	3.145	I	O	|	|	|	|	10.33
43.250	0.00	1.71	3.845	I	O	|	|	|	|	11.35	48.417	0.00	1.62	3.134	I	O	|	|	|	|	10.31
43.333	0.00	1.71	3.833	I	O	|	|	|	|	11.34	48.500	0.00	1.62	3.122	I	O	|	|	|	|	10.29
43.417	0.00	1.71	3.821	I	O	|	|	|	|	11.32	48.583	0.00	1.61	3.111	I	O	|	|	|	|	10.28
43.500	0.00	1.70	3.809	I	O	|	|	|	|	11.31	48.667	0.00	1.61	3.100	I	O	|	|	|	|	10.26
43.583	0.00	1.70	3.798	I	O	|	|	|	|	11.29	48.750	0.00	1.61	3.089	I	O	|	|	|	|	10.24
43.667	0.00	1.70	3.786	I	O	|	|	|	|	11.27	48.833	0.00	1.61	3.078	I	O	|	|	|	|	10.23
43.750	0.00	1.70	3.774	I	O	|	|	|	|	11.26	48.917	0.00	1.61	3.067	I	O	|	|	|	|	10.21
43.833	0.00	1.70	3.762	I	O	|	|	|	|	11.24	49.000	0.00	1.61	3.056	I	O	|	|	|	|	10.19
43.917	0.00	1.70	3.751	I	O	|	|	|	|	11.23	49.083	0.00	1.61	3.045	I	O	|	|	|	|	10.17
44.000	0.00	1.70	3.739	I	O	|	|	|	|	11.21	49.167	0.00	1.60	3.034	I	O	|	|	|	|	10.16
44.083	0.00	1.70	3.727	I	O	|	|	|	|	11.20	49.250	0.00	1.60	3.023	I	O	|	|	|	|	10.14
44.167	0.00	1.69	3.716	I	O	|	|	|	|	11.18	49.333	0.00	1.60	3.012	I	O	|	|	|	|	10.12
44.250	0.00	1.69	3.704	I	O	|	|	|	|	11.16	49.417	0.00	1.60	3.001	I	O	|	|	|	|	10.11
44.333	0.00	1.69	3.692	I	O	|	|	|	|	11.15	49.500	0.00	1.60	2.990	I	O	|	|	|	|	10.09
44.417	0.00	1.69	3.681	I	O	|	|	|	|	11.13	49.583	0.00	1.60	2.979	I	O	|	|	|	|	10.07
44.500	0.00	1.69	3.669	I	O	|	|	|	|	11.12	49.667	0.00	1.60	2.968	I	O	|	|	|	|	10.06
44.583	0.00	1.69	3.657	I	O	|	|	|	|	11.10	49.750	0.00	1.59	2.957	I	O	|	|	|	|	10.04
44.667	0.00	1.69	3.646	I	O	|	|	|	|	11.09	49.833	0.00	1.59	2.946	I	O	|	|	|	|	10.02
44.750	0.00	1.69	3.634	I	O	|	|	|	|	11.07	49.917	0.00	1.59	2.935	I	O	|	|	|	|	10.01
44.833	0.00	1.68	3.623	I	O	|	|	|	|	11.05	50.000	0.00	1.59	2.924	I	O	|	|	|	|	9.99
44.917	0.00	1.68	3.611	I	O	|	|	|	|	11.04	50.083	0.00	1.59	2.913	I	O	|	|	|	|	9.97
45.000	0.00	1.68	3.599	I	O	|	|	|	|	11.02	50.167	0.00	1.59	2.902	I	O	|	|	|	|	9.95
45.083	0.00	1.68	3.588	I	O	|	|	|	|	11.01	50.250	0.00	1.58	2.891	I	O	|	|	|	|	9.93
45.167	0.00	1.68	3.576	I	O	|	|	|	|	10.99	50.333	0.00	1.58	2.880	I	O	|	|	|	|	9.91
45.250	0.00	1.68	3.565	I	O	|	|	|	|	10.97	50.417	0.00	1.58	2.869	I	O	|	|	|	|	9.89
45.333	0.00	1.68	3.553	I	O	|	|	|	|	10.95	50.500	0.00	1.58	2.858	I	O	|	|	|	|	9.87
45.417	0.00	1.67	3.542	I	O	|	|	|	|	10.94	50.583	0.00	1.58	2.847	I	O	|	|	|	|	9.85
45.500	0.00	1.67	3.530	I	O	|	|	|	|	10.92	50.667	0.00	1.58	2.837	I	O	|	|	|	|	9.83
45.583	0.00	1.67	3.519	I	O	|	|	|	|	10.90	50.750	0.00	1.57	2.826	I	O	|	|	|	|	9.82
45.667	0.00	1.67	3.507	I	O	|	|	|	|	10.88	50.833	0.00	1.57	2.815	I	O	|	|	|	|	9.80
45.750	0.00	1.67	3.496	I	O	|	|	|	|	10.87	50.917	0.00	1.57	2.804	I	O	|	|	|	|	9.78
45.833	0.00	1.67	3.484	I	O	|	|	|	|	10.85	51.000	0.00	1.57	2.793	I	O	|	|	|	|	9.76
45.917	0.00	1.66	3.473	I	O	|	|	|	|	10.83	51.083	0.00	1.57	2.783	I	O	|	|	|	|	9.74
46.000	0.00	1.66	3.461	I	O	|	|	|	|	10.81	51.167	0.00	1.56	2.772	I	O	|	|	|	|	9.72
46.083	0.00	1.66	3.450	I	O	|	|	|	|	10.80	51.250	0.00	1.56	2.761	I	O	|	|	|	|	9.70
46.167	0.00	1.66	3.438	I	O	|	|	|	|	10.78	51.333	0.00	1.56	2.750	I	O	|	|	|	|	9.68
46.250	0.00	1.66	3.427	I	O	|	|	|	|	10.76	51.417	0.00	1.56	2.739	I	O	|	|	|	|	9.67
46.333	0.00	1.66	3.416	I	O	|	|	|	|	10.74	51.500	0.00	1.56	2.729	I	O	|	|	|	|	9.65
46.417	0.00	1.66	3.404	I	O	|	|	|	|	10.73	51.583	0.00	1.56	2.718	I	O	|	|	|	|	9.63
46.500	0.00	1.65	3.393	I	O	|	|	|	|	10.71	51.667	0.00	1.55	2.707	I	O	|	|	|	|	9.61
46.583	0.00	1.65	3.381	I	O	|	|	|	|	10.69	51.750	0.00	1.55	2.697	I	O	|	|	|	|	9.59
46.667	0.00	1.65	3.370	I	O	|	|	|	|	10.67	51.833	0.00	1.55	2.686	I	O	|	|	|	|	9.57
46.750	0.00	1.65	3.359	I	O	|	|	|	|	10.66	51.917	0.00	1.55	2.675	I	O	|	|	|	|	9.55

52.000	0.00	1.55	2.665	I	O	|	|	|	|	9.53	57.167	0.00	1.44	2.026	I	O	|	|	|	|	8.33
52.083	0.00	1.55	2.654	I	O	|	|	|	|	9.52	57.250	0.00	1.44	2.016	I	O	|	|	|	|	8.31
52.167	0.00	1.54	2.643	I	O	|	|	|	|	9.50	57.333	0.00	1.44	2.006	I	O	|	|	|	|	8.29
52.250	0.00	1.54	2.633	I	O	|	|	|	|	9.48	57.417	0.00	1.43	1.996	I	O	|	|	|	|	8.27
52.333	0.00	1.54	2.622	I	O	|	|	|	|	9.46	57.500	0.00	1.43	1.987	I	O	|	|	|	|	8.25
52.417	0.00	1.54	2.611	I	O	|	|	|	|	9.44	57.583	0.00	1.43	1.977	I	O	|	|	|	|	8.23
52.500	0.00	1.54	2.601	I	O	|	|	|	|	9.42	57.667	0.00	1.43	1.967	I	O	|	|	|	|	8.21
52.583	0.00	1.54	2.590	I	O	|	|	|	|	9.40	57.750	0.00	1.43	1.957	I	O	|	|	|	|	8.19
52.667	0.00	1.53	2.580	I	O	|	|	|	|	9.39	57.833	0.00	1.43	1.947	I	O	|	|	|	|	8.17
52.750	0.00	1.53	2.569	I	O	|	|	|	|	9.37	57.917	0.00	1.42	1.937	I	O	|	|	|	|	8.15
52.833	0.00	1.53	2.559	I	O	|	|	|	|	9.35	58.000	0.00	1.42	1.928	I	O	|	|	|	|	8.13
52.917	0.00	1.53	2.548	I	O	|	|	|	|	9.33	58.083	0.00	1.42	1.918	I	O	|	|	|	|	8.11
53.000	0.00	1.53	2.537	I	O	|	|	|	|	9.31	58.167	0.00	1.42	1.908	I	O	|	|	|	|	8.09
53.083	0.00	1.53	2.527	I	O	|	|	|	|	9.29	58.250	0.00	1.42	1.898	I	O	|	|	|	|	8.07
53.167	0.00	1.52	2.516	I	O	|	|	|	|	9.28	58.333	0.00	1.41	1.889	I	O	|	|	|	|	8.05
53.250	0.00	1.52	2.506	I	O	|	|	|	|	9.26	58.417	0.00	1.41	1.879	I	O	|	|	|	|	8.03
53.333	0.00	1.52	2.495	I	O	|	|	|	|	9.24	58.500	0.00	1.41	1.869	I	O	|	|	|	|	8.01
53.417	0.00	1.52	2.485	I	O	|	|	|	|	9.22	58.583	0.00	1.41	1.859	I	O	|	|	|	|	7.99
53.500	0.00	1.52	2.474	I	O	|	|	|	|	9.20	58.667	0.00	1.41	1.850	I	O	|	|	|	|	7.97
53.583	0.00	1.52	2.464	I	O	|	|	|	|	9.18	58.750	0.00	1.40	1.840	I	O	|	|	|	|	7.95
53.667	0.00	1.51	2.454	I	O	|	|	|	|	9.17	58.833	0.00	1.40	1.830	I	O	|	|	|	|	7.92
53.750	0.00	1.51	2.443	I	O	|	|	|	|	9.15	58.917	0.00	1.40	1.821	I	O	|	|	|	|	7.90
53.833	0.00	1.51	2.433	I	O	|	|	|	|	9.13	59.000	0.00	1.40	1.811	I	O	|	|	|	|	7.88
53.917	0.00	1.51	2.422	I	O	|	|	|	|	9.11	59.083	0.00	1.40	1.801	I	O	|	|	|	|	7.86
54.000	0.00	1.51	2.412	I	O	|	|	|	|	9.09	59.167	0.00	1.39	1.792	I	O	|	|	|	|	7.83
54.083	0.00	1.51	2.402	I	O	|	|	|	|	9.07	59.250	0.00	1.39	1.782	I	O	|	|	|	|	7.81
54.167	0.00	1.51	2.391	I	O	|	|	|	|	9.06	59.333	0.00	1.39	1.773	I	O	|	|	|	|	7.79
54.250	0.00	1.50	2.381	I	O	|	|	|	|	9.04	59.417	0.00	1.39	1.763	I	O	|	|	|	|	7.77
54.333	0.00	1.50	2.371	I	O	|	|	|	|	9.02	59.500	0.00	1.38	1.754	I	O	|	|	|	|	7.74
54.417	0.00	1.50	2.360	I	O	|	|	|	|	9.00	59.583	0.00	1.38	1.744	I	O	|	|	|	|	7.72
54.500	0.00	1.50	2.350	I	O	|	|	|	|	8.98	59.667	0.00	1.38	1.735	I	O	|	|	|	|	7.70
54.583	0.00	1.50	2.340	I	O	|	|	|	|	8.96	59.750	0.00	1.38	1.725	I	O	|	|	|	|	7.68
54.667	0.00	1.49	2.329	I	O	|	|	|	|	8.94	59.833	0.00	1.38	1.716	I	O	|	|	|	|	7.65
54.750	0.00	1.49	2.319	I	O	|	|	|	|	8.92	59.917	0.00	1.37	1.706	I	O	|	|	|	|	7.63
54.833	0.00	1.49	2.309	I	O	|	|	|	|	8.90	60.000	0.00	1.37	1.697	I	O	|	|	|	|	7.61
54.917	0.00	1.49	2.298	I	O	|	|	|	|	8.88	60.083	0.00	1.37	1.687	I	O	|	|	|	|	7.59
55.000	0.00	1.49	2.288	I	O	|	|	|	|	8.86	60.167	0.00	1.37	1.678	I	O	|	|	|	|	7.57
55.083	0.00	1.49	2.278	I	O	|	|	|	|	8.84	60.250	0.00	1.36	1.668	I	O	|	|	|	|	7.54
55.167	0.00	1.48	2.268	I	O	|	|	|	|	8.82	60.333	0.00	1.36	1.659	I	O	|	|	|	|	7.52
55.250	0.00	1.48	2.257	I	O	|	|	|	|	8.80	60.417	0.00	1.36	1.650	I	O	|	|	|	|	7.50
55.333	0.00	1.48	2.247	I	O	|	|	|	|	8.77	60.500	0.00	1.36	1.640	I	O	|	|	|	|	7.48
55.417	0.00	1.48	2.237	I	O	|	|	|	|	8.75	60.583	0.00	1.36	1.631	I	O	|	|	|	|	7.46
55.500	0.00	1.48	2.227	I	O	|	|	|	|	8.73	60.667	0.00	1.35	1.622	I	O	|	|	|	|	7.43
55.583	0.00	1.47	2.217	I	O	|	|	|	|	8.71	60.750	0.00	1.35	1.612	I	O	|	|	|	|	7.41
55.667	0.00	1.47	2.207	I	O	|	|	|	|	8.69	60.833	0.00	1.35	1.603	I	O	|	|	|	|	7.39
55.750	0.00	1.47	2.196	I	O	|	|	|	|	8.67	60.917	0.00	1.35	1.594	I	O	|	|	|	|	7.37
55.833	0.00	1.47	2.186	I	O	|	|	|	|	8.65	61.000	0.00	1.34	1.584	I	O	|	|	|	|	7.35
55.917	0.00	1.47	2.176	I	O	|	|	|	|	8.63	61.083	0.00	1.34	1.575	I	O	|	|	|	|	7.32
56.000	0.00	1.47	2.166	I	O	|	|	|	|	8.61	61.167	0.00	1.34	1.566	I	O	|	|	|	|	7.30
56.083	0.00	1.46	2.156	I	O	|	|	|	|	8.59	61.250	0.00	1.34	1.557	I	O	|	|	|	|	7.28
56.167	0.00	1.46	2.146	I	O	|	|	|	|	8.57	61.333	0.00	1.34	1.548	I	O	|	|	|	|	7.26
56.250	0.00	1.46	2.136	I	O	|	|	|	|	8.55	61.417	0.00	1.33	1.538	I	O	|	|	|	|	7.24
56.333	0.00	1.46	2.126	I	O	|	|	|	|	8.53	61.500	0.00	1.33	1.529	I	O	|	|	|	|	7.22
56.417	0.00	1.46	2.116	I	O	|	|	|	|	8.51	61.583	0.00	1.33	1.520	I	O	|	|	|	|	7.19
56.500	0.00	1.45	2.106	I	O	|	|	|	|	8.49	61.667	0.00	1.33	1.511	I	O	|	|	|	|	7.17
56.583	0.00	1.45	2.096	I	O	|	|	|	|	8.47	61.750	0.00	1.33	1.502	I	O	|	|	|	|	7.15
56.667	0.00	1.45	2.086	I	O	|	|	|	|	8.45	61.833	0.00	1.32	1.493	I	O	|	|	|	|	7.13
56.750	0.00	1.45	2.076	I	O	|	|	|	|	8.43	61.917	0.00	1.32	1.483	I	O	|	|	|	|	7.11
56.833	0.00	1.45	2.066	I	O	|	|	|	|	8.41	62.000	0.00	1.32	1.474	I	O	|	|	|	|	7.09
56.917	0.00	1.45	2.056	I	O	|	|	|	|	8.39	62.083	0.00	1.32	1.465	I	O	|	|	|	|	7.07
57.000	0.00	1.44	2.046	I	O	|	|	|	|	8.37	62.167	0.00	1.31	1.456	I	O	|	|	|	|	7.05
57.083	0.00	1.44	2.036	I	O	|	|	|	|	8.35	62.250	0.00	1.31	1.447	I	O	|	|	|	|	7.02

62.333	0.00	1.31	1.438	I O	|	|	|	|	7.00	67.500	0.00	1.14	0.915	IO	|	|	|	|	5.46
62.417	0.00	1.31	1.429	I O	|	|	|	|	6.98	67.583	0.00	1.13	0.907	IO	|	|	|	|	5.44
62.500	0.00	1.30	1.420	I O	|	|	|	|	6.95	67.667	0.00	1.13	0.899	IO	|	|	|	|	5.41
62.583	0.00	1.30	1.411	I O	|	|	|	|	6.93	67.750	0.00	1.13	0.891	IO	|	|	|	|	5.39
62.667	0.00	1.30	1.402	I O	|	|	|	|	6.90	67.833	0.00	1.12	0.883	IO	|	|	|	|	5.36
62.750	0.00	1.30	1.393	I O	|	|	|	|	6.88	67.917	0.00	1.12	0.876	IO	|	|	|	|	5.33
62.833	0.00	1.29	1.384	IO	|	|	|	|	6.85	68.000	0.00	1.12	0.868	IO	|	|	|	|	5.31
62.917	0.00	1.29	1.375	IO	|	|	|	|	6.83	68.083	0.00	1.11	0.860	IO	|	|	|	|	5.28
63.000	0.00	1.29	1.367	IO	|	|	|	|	6.80	68.167	0.00	1.11	0.853	IO	|	|	|	|	5.26
63.083	0.00	1.29	1.358	IO	|	|	|	|	6.78	68.250	0.00	1.11	0.845	IO	|	|	|	|	5.23
63.167	0.00	1.28	1.349	IO	|	|	|	|	6.76	68.333	0.00	1.10	0.837	IO	|	|	|	|	5.21
63.250	0.00	1.28	1.340	IO	|	|	|	|	6.73	68.417	0.00	1.10	0.830	IO	|	|	|	|	5.18
63.333	0.00	1.28	1.331	IO	|	|	|	|	6.71	68.500	0.00	1.10	0.822	IO	|	|	|	|	5.16
63.417	0.00	1.28	1.322	IO	|	|	|	|	6.68	68.583	0.00	1.10	0.815	IO	|	|	|	|	5.13
63.500	0.00	1.27	1.314	IO	|	|	|	|	6.66	68.667	0.00	1.09	0.807	IO	|	|	|	|	5.11
63.583	0.00	1.27	1.305	IO	|	|	|	|	6.63	68.750	0.00	1.09	0.800	IO	|	|	|	|	5.08
63.667	0.00	1.27	1.296	IO	|	|	|	|	6.61	68.833	0.00	1.09	0.792	IO	|	|	|	|	5.06
63.750	0.00	1.26	1.287	IO	|	|	|	|	6.59	68.917	0.00	1.08	0.785	IO	|	|	|	|	5.03
63.833	0.00	1.26	1.279	IO	|	|	|	|	6.56	69.000	0.00	1.08	0.777	IO	|	|	|	|	5.01
63.917	0.00	1.26	1.270	IO	|	|	|	|	6.54	69.083	0.00	1.08	0.770	IO	|	|	|	|	4.98
64.000	0.00	1.26	1.261	IO	|	|	|	|	6.51	69.167	0.00	1.07	0.762	IO	|	|	|	|	4.95
64.083	0.00	1.25	1.253	IO	|	|	|	|	6.49	69.250	0.00	1.07	0.755	IO	|	|	|	|	4.92
64.167	0.00	1.25	1.244	IO	|	|	|	|	6.47	69.333	0.00	1.06	0.748	IO	|	|	|	|	4.89
64.250	0.00	1.25	1.236	IO	|	|	|	|	6.44	69.417	0.00	1.06	0.740	IO	|	|	|	|	4.86
64.333	0.00	1.25	1.227	IO	|	|	|	|	6.42	69.500	0.00	1.06	0.733	IO	|	|	|	|	4.83
64.417	0.00	1.24	1.218	IO	|	|	|	|	6.39	69.583	0.00	1.05	0.726	IO	|	|	|	|	4.80
64.500	0.00	1.24	1.210	IO	|	|	|	|	6.37	69.667	0.00	1.05	0.719	IO	|	|	|	|	4.77
64.583	0.00	1.24	1.201	IO	|	|	|	|	6.35	69.750	0.00	1.04	0.711	IO	|	|	|	|	4.74
64.667	0.00	1.24	1.193	IO	|	|	|	|	6.32	69.833	0.00	1.04	0.704	IO	|	|	|	|	4.71
64.750	0.00	1.23	1.184	IO	|	|	|	|	6.30	69.917	0.00	1.04	0.697	IO	|	|	|	|	4.68
64.833	0.00	1.23	1.176	IO	|	|	|	|	6.28	70.000	0.00	1.03	0.690	IO	|	|	|	|	4.65
64.917	0.00	1.23	1.167	IO	|	|	|	|	6.25	70.083	0.00	1.03	0.683	IO	|	|	|	|	4.63
65.000	0.00	1.23	1.159	IO	|	|	|	|	6.23	70.167	0.00	1.02	0.676	IO	|	|	|	|	4.60
65.083	0.00	1.22	1.150	IO	|	|	|	|	6.21	70.250	0.00	1.02	0.669	IO	|	|	|	|	4.57
65.167	0.00	1.22	1.142	IO	|	|	|	|	6.18	70.333	0.00	1.02	0.662	IO	|	|	|	|	4.54
65.250	0.00	1.22	1.134	IO	|	|	|	|	6.16	70.417	0.00	1.01	0.655	IO	|	|	|	|	4.51
65.333	0.00	1.22	1.125	IO	|	|	|	|	6.14	70.500	0.00	1.01	0.648	IO	|	|	|	|	4.48
65.417	0.00	1.21	1.117	IO	|	|	|	|	6.11	70.583	0.00	1.00	0.641	IO	|	|	|	|	4.45
65.500	0.00	1.21	1.109	IO	|	|	|	|	6.09	70.667	0.00	1.00	0.634	IO	|	|	|	|	4.43
65.583	0.00	1.21	1.100	IO	|	|	|	|	6.07	70.750	0.00	1.00	0.627	IO	|	|	|	|	4.40
65.667	0.00	1.20	1.092	IO	|	|	|	|	6.04	70.833	0.00	0.99	0.620	IO	|	|	|	|	4.37
65.750	0.00	1.20	1.084	IO	|	|	|	|	6.02	70.917	0.00	0.99	0.613	IO	|	|	|	|	4.34
65.833	0.00	1.20	1.075	IO	|	|	|	|	6.00	71.000	0.00	0.98	0.607	IO	|	|	|	|	4.32
65.917	0.00	1.20	1.067	IO	|	|	|	|	5.97	71.083	0.00	0.98	0.600	IO	|	|	|	|	4.29
66.000	0.00	1.19	1.059	IO	|	|	|	|	5.94	71.167	0.00	0.98	0.593	IO	|	|	|	|	4.26
66.083	0.00	1.19	1.051	IO	|	|	|	|	5.92	71.250	0.00	0.97	0.586	IO	|	|	|	|	4.23
66.167	0.00	1.19	1.042	IO	|	|	|	|	5.89	71.333	0.00	0.97	0.580	IO	|	|	|	|	4.21
66.250	0.00	1.18	1.034	IO	|	|	|	|	5.86	71.417	0.00	0.97	0.573	IO	|	|	|	|	4.18
66.333	0.00	1.18	1.026	IO	|	|	|	|	5.83	71.500	0.00	0.96	0.566	IO	|	|	|	|	4.15
66.417	0.00	1.18	1.018	IO	|	|	|	|	5.81	71.583	0.00	0.96	0.560	IO	|	|	|	|	4.13
66.500	0.00	1.17	1.010	IO	|	|	|	|	5.78	71.667	0.00	0.95	0.553	IO	|	|	|	|	4.10
66.583	0.00	1.17	1.002	IO	|	|	|	|	5.75	71.750	0.00	0.95	0.547	IO	|	|	|	|	4.07
66.667	0.00	1.17	0.994	IO	|	|	|	|	5.73	71.833	0.00	0.95	0.540	IO	|	|	|	|	4.05
66.750	0.00	1.16	0.986	IO	|	|	|	|	5.70	71.917	0.00	0.94	0.534	IO	|	|	|	|	4.02
66.833	0.00	1.16	0.978	IO	|	|	|	|	5.67	72.000	0.00	0.94	0.527	IO	|	|	|	|	3.99
66.917	0.00	1.16	0.970	IO	|	|	|	|	5.65	72.083	0.00	0.93	0.521	IO	|	|	|	|	3.96
67.000	0.00	1.15	0.962	IO	|	|	|	|	5.62	72.167	0.00	0.93	0.514	IO	|	|	|	|	3.93
67.083	0.00	1.15	0.954	IO	|	|	|	|	5.59	72.250	0.00	0.92	0.508	IO	|	|	|	|	3.89
67.167	0.00	1.15	0.946	IO	|	|	|	|	5.57	72.333	0.00	0.92	0.502	IO	|	|	|	|	3.86
67.250	0.00	1.15	0.938	IO	|	|	|	|	5.54	72.417	0.00	0.91	0.495	IO	|	|	|	|	3.83
67.333	0.00	1.14	0.930	IO	|	|	|	|	5.52	72.500	0.00	0.91	0.489	IO	|	|	|	|	3.80
67.417	0.00	1.14	0.922	IO	|	|	|	|	5.49	72.583	0.00	0.90	0.483	IO	|	|	|	|	3.76

72.667	0.00	0.90	0.477	IO	|	|	|	|	3.73	77.833	0.00	0.51	0.167	O	|	|	|	|	1.86
72.750	0.00	0.89	0.470	IO	|	|	|	|	3.70	77.917	0.00	0.50	0.164	O	|	|	|	|	1.83
72.833	0.00	0.89	0.464	IO	|	|	|	|	3.67	78.000	0.00	0.49	0.160	O	|	|	|	|	1.80
72.917	0.00	0.88	0.458	IO	|	|	|	|	3.64	78.083	0.00	0.48	0.157	O	|	|	|	|	1.77
73.000	0.00	0.88	0.452	IO	|	|	|	|	3.61	78.167	0.00	0.47	0.154	O	|	|	|	|	1.74
73.083	0.00	0.87	0.446	IO	|	|	|	|	3.58	78.250	0.00	0.46	0.150	O	|	|	|	|	1.71
73.167	0.00	0.87	0.440	IO	|	|	|	|	3.55	78.333	0.00	0.45	0.147	O	|	|	|	|	1.68
73.250	0.00	0.86	0.434	IO	|	|	|	|	3.52	78.417	0.00	0.44	0.144	O	|	|	|	|	1.65
73.333	0.00	0.86	0.428	IO	|	|	|	|	3.49	78.500	0.00	0.43	0.141	O	|	|	|	|	1.63
73.417	0.00	0.85	0.422	IO	|	|	|	|	3.46	78.583	0.00	0.42	0.138	O	|	|	|	|	1.60
73.500	0.00	0.85	0.417	IO	|	|	|	|	3.43	78.667	0.00	0.41	0.136	O	|	|	|	|	1.57
73.583	0.00	0.84	0.411	IO	|	|	|	|	3.40	78.750	0.00	0.40	0.133	O	|	|	|	|	1.55
73.667	0.00	0.84	0.405	IO	|	|	|	|	3.37	78.833	0.00	0.39	0.130	O	|	|	|	|	1.52
73.750	0.00	0.83	0.399	IO	|	|	|	|	3.34	78.917	0.00	0.38	0.127	O	|	|	|	|	1.50
73.833	0.00	0.83	0.393	IO	|	|	|	|	3.31	79.000	0.00	0.37	0.125	O	|	|	|	|	1.48
73.917	0.00	0.82	0.388	IO	|	|	|	|	3.28	79.083	0.00	0.36	0.122	O	|	|	|	|	1.45
74.000	0.00	0.82	0.382	IO	|	|	|	|	3.25	79.167	0.00	0.35	0.120	O	|	|	|	|	1.43
74.083	0.00	0.82	0.376	IO	|	|	|	|	3.22	79.250	0.00	0.35	0.117	O	|	|	|	|	1.41
74.167	0.00	0.81	0.371	IO	|	|	|	|	3.19	79.333	0.00	0.34	0.115	O	|	|	|	|	1.39
74.250	0.00	0.81	0.365	IO	|	|	|	|	3.16	79.417	0.00	0.33	0.113	O	|	|	|	|	1.36
74.333	0.00	0.80	0.360	IO	|	|	|	|	3.14	79.500	0.00	0.32	0.111	O	|	|	|	|	1.34
74.417	0.00	0.80	0.354	IO	|	|	|	|	3.11	79.583	0.00	0.32	0.108	O	|	|	|	|	1.32
74.500	0.00	0.79	0.349	IO	|	|	|	|	3.08	79.667	0.00	0.31	0.106	O	|	|	|	|	1.30
74.583	0.00	0.79	0.343	IO	|	|	|	|	3.05	79.750	0.00	0.30	0.104	O	|	|	|	|	1.28
74.667	0.00	0.78	0.338	IO	|	|	|	|	3.02	79.833	0.00	0.30	0.102	O	|	|	|	|	1.27
74.750	0.00	0.78	0.332	IO	|	|	|	|	3.00	79.917	0.00	0.29	0.100	O	|	|	|	|	1.25
74.833	0.00	0.77	0.327	IO	|	|	|	|	2.96	80.000	0.00	0.28	0.098	O	|	|	|	|	1.23
74.917	0.00	0.76	0.322	IO	|	|	|	|	2.93	80.083	0.00	0.28	0.096	O	|	|	|	|	1.21
75.000	0.00	0.76	0.317	IO	|	|	|	|	2.89	80.167	0.00	0.27	0.094	O	|	|	|	|	1.19
75.083	0.00	0.75	0.311	IO	|	|	|	|	2.86	80.250	0.00	0.26	0.092	O	|	|	|	|	1.18
75.167	0.00	0.74	0.306	IO	|	|	|	|	2.82	80.333	0.00	0.26	0.091	O	|	|	|	|	1.16
75.250	0.00	0.73	0.301	IO	|	|	|	|	2.79	80.417	0.00	0.25	0.089	O	|	|	|	|	1.14
75.333	0.00	0.73	0.296	IO	|	|	|	|	2.76	80.500	0.00	0.25	0.087	O	|	|	|	|	1.13
75.417	0.00	0.72	0.291	IO	|	|	|	|	2.72	80.583	0.00	0.24	0.085	O	|	|	|	|	1.11
75.500	0.00	0.71	0.286	IO	|	|	|	|	2.69	80.667	0.00	0.24	0.084	O	|	|	|	|	1.10
75.583	0.00	0.70	0.281	IO	|	|	|	|	2.66	80.750	0.00	0.23	0.082	O	|	|	|	|	1.08
75.667	0.00	0.70	0.277	IO	|	|	|	|	2.63	80.833	0.00	0.23	0.081	O	|	|	|	|	1.07
75.750	0.00	0.69	0.272	IO	|	|	|	|	2.59	80.917	0.00	0.22	0.079	O	|	|	|	|	1.06
75.833	0.00	0.68	0.267	IO	|	|	|	|	2.56	81.000	0.00	0.22	0.078	O	|	|	|	|	1.04
75.917	0.00	0.68	0.262	IO	|	|	|	|	2.53	81.083	0.00	0.21	0.076	O	|	|	|	|	1.03
76.000	0.00	0.67	0.258	IO	|	|	|	|	2.50	81.167	0.00	0.21	0.075	O	|	|	|	|	1.02
76.083	0.00	0.66	0.253	IO	|	|	|	|	2.47	81.250	0.00	0.20	0.073	O	|	|	|	|	1.00
76.167	0.00	0.66	0.249	IO	|	|	|	|	2.44	81.333	0.00	0.20	0.072	O	|	|	|	|	0.98
76.250	0.00	0.65	0.244	IO	|	|	|	|	2.41	81.417	0.00	0.19	0.071	O	|	|	|	|	0.97
76.333	0.00	0.64	0.240	O	|	|	|	|	2.38	81.500	0.00	0.19	0.069	O	|	|	|	|	0.95
76.417	0.00	0.64	0.235	O	|	|	|	|	2.35	81.583	0.00	0.19	0.068	O	|	|	|	|	0.93
76.500	0.00	0.63	0.231	O	|	|	|	|	2.32	81.667	0.00	0.18	0.067	O	|	|	|	|	0.91
76.583	0.00	0.62	0.227	O	|	|	|	|	2.30	81.750	0.00	0.18	0.065	O	|	|	|	|	0.90
76.667	0.00	0.62	0.222	O	|	|	|	|	2.27	81.833	0.00	0.18	0.064	O	|	|	|	|	0.88
76.750	0.00	0.61	0.218	O	|	|	|	|	2.24	81.917	0.00	0.17	0.063	O	|	|	|	|	0.86
76.833	0.00	0.61	0.214	O	|	|	|	|	2.21	82.000	0.00	0.17	0.062	O	|	|	|	|	0.85
76.917	0.00	0.60	0.210	O	|	|	|	|	2.18	82.083	0.00	0.17	0.061	O	|	|	|	|	0.83
77.000	0.00	0.59	0.206	O	|	|	|	|	2.16	82.167	0.00	0.16	0.060	O	|	|	|	|	0.82
77.083	0.00	0.59	0.201	O	|	|	|	|	2.13	82.250	0.00	0.16	0.058	O	|	|	|	|	0.80
77.167	0.00	0.58	0.197	O	|	|	|	|	2.10	82.333	0.00	0.16	0.057	O	|	|	|	|	0.79
77.250	0.00	0.58	0.193	O	|	|	|	|	2.08	82.417	0.00	0.15	0.056	O	|	|	|	|	0.77
77.333	0.00	0.57	0.190	O	|	|	|	|	2.05	82.500	0.00	0.15	0.055	O	|	|	|	|	0.76
77.417	0.00	0.57	0.186	O	|	|	|	|	2.02	82.583	0.00	0.15	0.054	O	|	|	|	|	0.74
77.500	0.00	0.56	0.182	O	|	|	|	|	2.00	82.667	0.00	0.15	0.053	O	|	|	|	|	0.73
77.583	0.00	0.55	0.178	O	|	|	|	|	1.96	82.750	0.00	0.14	0.052	O	|	|	|	|	0.71
77.667	0.00	0.53	0.174	O	|	|	|	|	1.93	82.833	0.00	0.14	0.051	O	|	|	|	|	0.70
77.750	0.00	0.52	0.171	O	|	|	|	|	1.90	82.917	0.00	0.14	0.050	O	|	|	|	|	0.69

83.000	0.00	0.14	0.049	O	|	|	|	|	0.68	88.167	0.00	0.04	0.015	O	|	|	|	|	0.21
83.083	0.00	0.13	0.048	O	|	|	|	|	0.66	88.250	0.00	0.04	0.015	O	|	|	|	|	0.21
83.167	0.00	0.13	0.047	O	|	|	|	|	0.65	88.333	0.00	0.04	0.015	O	|	|	|	|	0.20
83.250	0.00	0.13	0.047	O	|	|	|	|	0.64	88.417	0.00	0.04	0.014	O	|	|	|	|	0.20
83.333	0.00	0.13	0.046	O	|	|	|	|	0.63	88.500	0.00	0.04	0.014	O	|	|	|	|	0.19
83.417	0.00	0.12	0.045	O	|	|	|	|	0.61	88.583	0.00	0.04	0.014	O	|	|	|	|	0.19
83.500	0.00	0.12	0.044	O	|	|	|	|	0.60	88.667	0.00	0.04	0.014	O	|	|	|	|	0.19
83.583	0.00	0.12	0.043	O	|	|	|	|	0.59	88.750	0.00	0.04	0.013	O	|	|	|	|	0.18
83.667	0.00	0.12	0.042	O	|	|	|	|	0.58	88.833	0.00	0.04	0.013	O	|	|	|	|	0.18
83.750	0.00	0.11	0.042	O	|	|	|	|	0.57	88.917	0.00	0.04	0.013	O	|	|	|	|	0.18
83.833	0.00	0.11	0.041	O	|	|	|	|	0.56	89.000	0.00	0.03	0.013	O	|	|	|	|	0.17
83.917	0.00	0.11	0.040	O	|	|	|	|	0.55	89.083	0.00	0.03	0.012	O	|	|	|	|	0.17
84.000	0.00	0.11	0.039	O	|	|	|	|	0.54	89.167	0.00	0.03	0.012	O	|	|	|	|	0.17
84.083	0.00	0.11	0.039	O	|	|	|	|	0.53	89.250	0.00	0.03	0.012	O	|	|	|	|	0.16
84.167	0.00	0.10	0.038	O	|	|	|	|	0.52	89.333	0.00	0.03	0.012	O	|	|	|	|	0.16
84.250	0.00	0.10	0.037	O	|	|	|	|	0.51	89.417	0.00	0.03	0.012	O	|	|	|	|	0.16
84.333	0.00	0.10	0.036	O	|	|	|	|	0.50	89.500	0.00	0.03	0.011	O	|	|	|	|	0.15
84.417	0.00	0.10	0.036	O	|	|	|	|	0.49	89.583	0.00	0.03	0.011	O	|	|	|	|	0.15
84.500	0.00	0.10	0.035	O	|	|	|	|	0.48	89.667	0.00	0.03	0.011	O	|	|	|	|	0.15
84.583	0.00	0.09	0.034	O	|	|	|	|	0.47	89.750	0.00	0.03	0.011	O	|	|	|	|	0.15
84.667	0.00	0.09	0.034	O	|	|	|	|	0.46	89.833	0.00	0.03	0.010	O	|	|	|	|	0.14
84.750	0.00	0.09	0.033	O	|	|	|	|	0.45	89.917	0.00	0.03	0.010	O	|	|	|	|	0.14
84.833	0.00	0.09	0.033	O	|	|	|	|	0.45	90.000	0.00	0.03	0.010	O	|	|	|	|	0.14
84.917	0.00	0.09	0.032	O	|	|	|	|	0.44	90.083	0.00	0.03	0.010	O	|	|	|	|	0.14
85.000	0.00	0.09	0.031	O	|	|	|	|	0.43	90.167	0.00	0.03	0.010	O	|	|	|	|	0.13
85.083	0.00	0.08	0.031	O	|	|	|	|	0.42	90.250	0.00	0.03	0.010	O	|	|	|	|	0.13
85.167	0.00	0.08	0.030	O	|	|	|	|	0.41	90.333	0.00	0.03	0.009	O	|	|	|	|	0.13
85.250	0.00	0.08	0.030	O	|	|	|	|	0.41	90.417	0.00	0.03	0.009	O	|	|	|	|	0.13
85.333	0.00	0.08	0.029	O	|	|	|	|	0.40	90.500	0.00	0.02	0.009	O	|	|	|	|	0.12
85.417	0.00	0.08	0.029	O	|	|	|	|	0.39	90.583	0.00	0.02	0.009	O	|	|	|	|	0.12
85.500	0.00	0.08	0.028	O	|	|	|	|	0.38	90.667	0.00	0.02	0.009	O	|	|	|	|	0.12
85.583	0.00	0.08	0.027	O	|	|	|	|	0.38	90.750	0.00	0.02	0.009	O	|	|	|	|	0.12
85.667	0.00	0.07	0.027	O	|	|	|	|	0.37	90.833	0.00	0.02	0.008	O	|	|	|	|	0.11
85.750	0.00	0.07	0.026	O	|	|	|	|	0.36	90.917	0.00	0.02	0.008	O	|	|	|	|	0.11
85.833	0.00	0.07	0.026	O	|	|	|	|	0.36	91.000	0.00	0.02	0.008	O	|	|	|	|	0.11
85.917	0.00	0.07	0.025	O	|	|	|	|	0.35	91.083	0.00	0.02	0.008	O	|	|	|	|	0.11
86.000	0.00	0.07	0.025	O	|	|	|	|	0.34	91.167	0.00	0.02	0.008	O	|	|	|	|	0.11
86.083	0.00	0.07	0.025	O	|	|	|	|	0.34	91.250	0.00	0.02	0.008	O	|	|	|	|	0.10
86.167	0.00	0.07	0.024	O	|	|	|	|	0.33	91.333	0.00	0.02	0.007	O	|	|	|	|	0.10
86.250	0.00	0.06	0.024	O	|	|	|	|	0.32	91.417	0.00	0.02	0.007	O	|	|	|	|	0.10
86.333	0.00	0.06	0.023	O	|	|	|	|	0.32	91.500	0.00	0.02	0.007	O	|	|	|	|	0.10
86.417	0.00	0.06	0.023	O	|	|	|	|	0.31	91.583	0.00	0.02	0.007	O	|	|	|	|	0.10
86.500	0.00	0.06	0.022	O	|	|	|	|	0.31	91.667	0.00	0.02	0.007	O	|	|	|	|	0.09
86.583	0.00	0.06	0.022	O	|	|	|	|	0.30	91.750	0.00	0.02	0.007	O	|	|	|	|	0.09
86.667	0.00	0.06	0.021	O	|	|	|	|	0.29	91.833	0.00	0.02	0.007	O	|	|	|	|	0.09
86.750	0.00	0.06	0.021	O	|	|	|	|	0.29	91.917	0.00	0.02	0.007	O	|	|	|	|	0.09
86.833	0.00	0.06	0.021	O	|	|	|	|	0.28	92.000	0.00	0.02	0.006	O	|	|	|	|	0.09
86.917	0.00	0.06	0.020	O	|	|	|	|	0.28	92.083	0.00	0.02	0.006	O	|	|	|	|	0.09
87.000	0.00	0.05	0.020	O	|	|	|	|	0.27	92.167	0.00	0.02	0.006	O	|	|	|	|	0.08
87.083	0.00	0.05	0.020	O	|	|	|	|	0.27	92.250	0.00	0.02	0.006	O	|	|	|	|	0.08
87.167	0.00	0.05	0.019	O	|	|	|	|	0.26	92.333	0.00	0.02	0.006	O	|	|	|	|	0.08
87.250	0.00	0.05	0.019	O	|	|	|	|	0.26	92.417	0.00	0.02	0.006	O	|	|	|	|	0.08
87.333	0.00	0.05	0.018	O	|	|	|	|	0.25	92.500	0.00	0.02	0.006	O	|	|	|	|	0.08
87.417	0.00	0.05	0.018	O	|	|	|	|	0.25	92.583	0.00	0.02	0.006	O	|	|	|	|	0.08
87.500	0.00	0.05	0.018	O	|	|	|	|	0.24	92.667	0.00	0.02	0.006	O	|	|	|	|	0.08
87.583	0.00	0.05	0.017	O	|	|	|	|	0.24	92.750	0.00	0.01	0.005	O	|	|	|	|	0.07
87.667	0.00	0.05	0.017	O	|	|	|	|	0.23	92.833	0.00	0.01	0.005	O	|	|	|	|	0.07
87.750	0.00	0.05	0.017	O	|	|	|	|	0.23	92.917	0.00	0.01	0.005	O	|	|	|	|	0.07
87.833	0.00	0.05	0.017	O	|	|	|	|	0.23	93.000	0.00	0.01	0.005	O	|	|	|	|	0.07
87.917	0.00	0.04	0.016	O	|	|	|	|	0.22	93.083	0.00	0.01	0.005	O	|	|	|	|	0.07
88.000	0.00	0.04	0.016	O	|	|	|	|	0.22	93.167	0.00	0.01	0.005	O	|	|	|	|	0.07
88.083	0.00	0.04	0.016	O	|	|	|	|	0.21	93.250	0.00	0.01	0.005	O	|	|	|	|	0.07

93.333	0.00	0.01	0.005	O	|	|	|	|	0.07	98.500	0.00	0.00	0.001	O	|	|	|	|	0.02
93.417	0.00	0.01	0.005	O	|	|	|	|	0.06	98.583	0.00	0.00	0.001	O	|	|	|	|	0.02
93.500	0.00	0.01	0.005	O	|	|	|	|	0.06	98.667	0.00	0.00	0.001	O	|	|	|	|	0.02
93.583	0.00	0.01	0.004	O	|	|	|	|	0.06	98.750	0.00	0.00	0.001	O	|	|	|	|	0.02
93.667	0.00	0.01	0.004	O	|	|	|	|	0.06	98.833	0.00	0.00	0.001	O	|	|	|	|	0.02
93.750	0.00	0.01	0.004	O	|	|	|	|	0.06	98.917	0.00	0.00	0.001	O	|	|	|	|	0.02
93.833	0.00	0.01	0.004	O	|	|	|	|	0.06	99.000	0.00	0.00	0.001	O	|	|	|	|	0.02
93.917	0.00	0.01	0.004	O	|	|	|	|	0.06	99.083	0.00	0.00	0.001	O	|	|	|	|	0.02
94.000	0.00	0.01	0.004	O	|	|	|	|	0.06	99.167	0.00	0.00	0.001	O	|	|	|	|	0.02
94.083	0.00	0.01	0.004	O	|	|	|	|	0.05	99.250	0.00	0.00	0.001	O	|	|	|	|	0.02
94.167	0.00	0.01	0.004	O	|	|	|	|	0.05	99.333	0.00	0.00	0.001	O	|	|	|	|	0.02
94.250	0.00	0.01	0.004	O	|	|	|	|	0.05	99.417	0.00	0.00	0.001	O	|	|	|	|	0.02
94.333	0.00	0.01	0.004	O	|	|	|	|	0.05	99.500	0.00	0.00	0.001	O	|	|	|	|	0.02
94.417	0.00	0.01	0.004	O	|	|	|	|	0.05	99.583	0.00	0.00	0.001	O	|	|	|	|	0.02
94.500	0.00	0.01	0.004	O	|	|	|	|	0.05	99.667	0.00	0.00	0.001	O	|	|	|	|	0.02
94.583	0.00	0.01	0.004	O	|	|	|	|	0.05	99.750	0.00	0.00	0.001	O	|	|	|	|	0.02
94.667	0.00	0.01	0.004	O	|	|	|	|	0.05	99.833	0.00	0.00	0.001	O	|	|	|	|	0.01
94.750	0.00	0.01	0.003	O	|	|	|	|	0.05	99.917	0.00	0.00	0.001	O	|	|	|	|	0.01
94.833	0.00	0.01	0.003	O	|	|	|	|	0.05	100.000	0.00	0.00	0.001	O	|	|	|	|	0.01
94.917	0.00	0.01	0.003	O	|	|	|	|	0.05	100.083	0.00	0.00	0.001	O	|	|	|	|	0.01
95.000	0.00	0.01	0.003	O	|	|	|	|	0.04	100.167	0.00	0.00	0.001	O	|	|	|	|	0.01
95.083	0.00	0.01	0.003	O	|	|	|	|	0.04	100.250	0.00	0.00	0.001	O	|	|	|	|	0.01
95.167	0.00	0.01	0.003	O	|	|	|	|	0.04	100.333	0.00	0.00	0.001	O	|	|	|	|	0.01
95.250	0.00	0.01	0.003	O	|	|	|	|	0.04	100.417	0.00	0.00	0.001	O	|	|	|	|	0.01
95.333	0.00	0.01	0.003	O	|	|	|	|	0.04	100.500	0.00	0.00	0.001	O	|	|	|	|	0.01
95.417	0.00	0.01	0.003	O	|	|	|	|	0.04	100.583	0.00	0.00	0.001	O	|	|	|	|	0.01
95.500	0.00	0.01	0.003	O	|	|	|	|	0.04	100.667	0.00	0.00	0.001	O	|	|	|	|	0.01
95.583	0.00	0.01	0.003	O	|	|	|	|	0.04	100.750	0.00	0.00	0.001	O	|	|	|	|	0.01
95.667	0.00	0.01	0.003	O	|	|	|	|	0.04	100.833	0.00	0.00	0.001	O	|	|	|	|	0.01
95.750	0.00	0.01	0.003	O	|	|	|	|	0.04	100.917	0.00	0.00	0.001	O	|	|	|	|	0.01
95.833	0.00	0.01	0.003	O	|	|	|	|	0.04	101.000	0.00	0.00	0.001	O	|	|	|	|	0.01
95.917	0.00	0.01	0.003	O	|	|	|	|	0.04	101.083	0.00	0.00	0.001	O	|	|	|	|	0.01
96.000	0.00	0.01	0.003	O	|	|	|	|	0.04	101.167	0.00	0.00	0.001	O	|	|	|	|	0.01
96.083	0.00	0.01	0.003	O	|	|	|	|	0.03	101.250	0.00	0.00	0.001	O	|	|	|	|	0.01
96.167	0.00	0.01	0.003	O	|	|	|	|	0.03	101.333	0.00	0.00	0.001	O	|	|	|	|	0.01
96.250	0.00	0.01	0.002	O	|	|	|	|	0.03	101.417	0.00	0.00	0.001	O	|	|	|	|	0.01
96.333	0.00	0.01	0.002	O	|	|	|	|	0.03	101.500	0.00	0.00	0.001	O	|	|	|	|	0.01
96.417	0.00	0.01	0.002	O	|	|	|	|	0.03	101.583	0.00	0.00	0.001	O	|	|	|	|	0.01
96.500	0.00	0.01	0.002	O	|	|	|	|	0.03	101.667	0.00	0.00	0.001	O	|	|	|	|	0.01
96.583	0.00	0.01	0.002	O	|	|	|	|	0.03	101.750	0.00	0.00	0.001	O	|	|	|	|	0.01
96.667	0.00	0.01	0.002	O	|	|	|	|	0.03	101.833	0.00	0.00	0.001	O	|	|	|	|	0.01
96.750	0.00	0.01	0.002	O	|	|	|	|	0.03	101.917	0.00	0.00	0.001	O	|	|	|	|	0.01
96.833	0.00	0.01	0.002	O	|	|	|	|	0.03	102.000	0.00	0.00	0.001	O	|	|	|	|	0.01
96.917	0.00	0.01	0.002	O	|	|	|	|	0.03	102.083	0.00	0.00	0.001	O	|	|	|	|	0.01
97.000	0.00	0.01	0.002	O	|	|	|	|	0.03	102.167	0.00	0.00	0.001	O	|	|	|	|	0.01
97.083	0.00	0.01	0.002	O	|	|	|	|	0.03	102.250	0.00	0.00	0.001	O	|	|	|	|	0.01
97.167	0.00	0.01	0.002	O	|	|	|	|	0.03	102.333	0.00	0.00	0.001	O	|	|	|	|	0.01
97.250	0.00	0.01	0.002	O	|	|	|	|	0.03	102.417	0.00	0.00	0.001	O	|	|	|	|	0.01
97.333	0.00	0.01	0.002	O	|	|	|	|	0.03	102.500	0.00	0.00	0.001	O	|	|	|	|	0.01
97.417	0.00	0.01	0.002	O	|	|	|	|	0.03	102.583	0.00	0.00	0.001	O	|	|	|	|	0.01
97.500	0.00	0.01	0.002	O	|	|	|	|	0.03	102.667	0.00	0.00	0.001	O	|	|	|	|	0.01
97.583	0.00	0.00	0.002	O	|	|	|	|	0.02	102.750	0.00	0.00	0.001	O	|	|	|	|	0.01
97.667	0.00	0.00	0.002	O	|	|	|	|	0.02	102.833	0.00	0.00	0.001	O	|	|	|	|	0.01
97.750	0.00	0.00	0.002	O	|	|	|	|	0.02	102.917	0.00	0.00	0.001	O	|	|	|	|	0.01
97.833	0.00	0.00	0.002	O	|	|	|	|	0.02	103.000	0.00	0.00	0.001	O	|	|	|	|	0.01
97.917	0.00	0.00	0.002	O	|	|	|	|	0.02	103.083	0.00	0.00	0.001	O	|	|	|	|	0.01
98.000	0.00	0.00	0.002	O	|	|	|	|	0.02	103.167	0.00	0.00	0.001	O	|	|	|	|	0.01
98.083	0.00	0.00	0.002	O	|	|	|	|	0.02	103.250	0.00	0.00	0.001	O	|	|	|	|	0.01
98.167	0.00	0.00	0.002	O	|	|	|	|	0.02	103.333	0.00	0.00	0.000	O	|	|	|	|	0.01
98.250	0.00	0.00	0.002	O	|	|	|	|	0.02	103.417	0.00	0.00	0.000	O	|	|	|	|	0.01
98.333	0.00	0.00	0.002	O	|	|	|	|	0.02	103.500	0.00	0.00	0.000	O	|	|	|	|	0.01
98.417	0.00	0.00	0.002	O	|	|	|	|	0.02	103.583	0.00	0.00	0.000	O	|	|	|	|	0.01

```
103.667    0.00    0.00      0.000  O       |       |       |       |     0.01
103.750    0.00    0.00      0.000  O       |       |       |       |     0.01
103.833    0.00    0.00      0.000  O       |       |       |       |     0.01
103.917    0.00    0.00      0.000  O       |       |       |       |     0.01
104.000    0.00    0.00      0.000  O       |       |       |       |     0.01
104.083    0.00    0.00      0.000  O       |       |       |       |     0.01
104.167    0.00    0.00      0.000  O       |       |       |       |     0.01
104.250    0.00    0.00      0.000  O       |       |       |       |     0.01
104.333    0.00    0.00      0.000  O       |       |       |       |     0.01
104.417    0.00    0.00      0.000  O       |       |       |       |     0.01
104.500    0.00    0.00      0.000  O       |       |       |       |     0.01
104.583    0.00    0.00      0.000  O       |       |       |       |     0.01
104.667    0.00    0.00      0.000  O       |       |       |       |     0.00

        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1256
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       10.790 (CFS)
                    Total volume =      10.778 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)       0.354    42.595     0.000     0.000     0.000
            Vol (Ac.Ft)      0.369    18.862     0.000     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.920 to Point/Station       10.920
        **** STORE OR DELETE CURRENT HYDROGRAPH ****
        ________________________________________________________________________
        Current stream hydrograph of   5.0 minute
        intervals has been stored as stream number 3 with
        a starting time of   0.00 hours and ending time of  25.00 hours
        With a total volume of       4.17(Ac.Ft)
        ****************************HYDROGRAPH DATA****************************
                    Number of intervals =     0
                    Time interval =    0.0 (Min.)
                    Maximum/Peak flow rate =        0.000 (CFS)
                    Total volume =       0.000 (Ac.Ft)
            Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)       0.354    42.595    10.790     0.000     0.000
            Vol (Ac.Ft)      0.369    18.862     4.173     0.000     0.000
        ************************************************************************

        ------------------------------------------------------------------------


        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.930 to Point/Station       10.940
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        ________________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                    From study/file name: MESAP10H10024100.rte
        ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      P R I N T  O F  S T O R M
                   R u n o f f     H y d r o g r a p h
        ------------------------------------------------------------------------
                Hydrograph in   5   Minute intervals (CFS)
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Time(h+m) Add q(CFS)  Tot. Q   0        9.5      18.9      28.4      37.8
------------------------------------------------------------------------
  0+ 5       0.3261      0.33  Q        |         |         |         |
  0+10       1.2711      1.27  |Q       |         |         |         |
  0+15       1.5452      1.55  |Q       |         |         |         |
  0+20       1.8047      1.80  |Q       |         |         |         |
  0+25       2.3017      2.30  | Q      |         |         |         |
  0+30       2.4511      2.45  | Q      |         |         |         |
  0+35       2.5029      2.50  | Q      |         |         |         |
  0+40       2.5152      2.52  | Q      |         |         |         |
  0+45       2.5213      2.52  | Q      |         |         |         |
  0+50       2.6862      2.69  | Q      |         |         |         |
  0+55       3.1587      3.16  |  Q     |         |         |         |
  1+ 0       3.2958      3.30  |  Q     |         |         |         |
  1+ 5       3.1809      3.18  |  Q     |         |         |         |
  1+10       2.7207      2.72  | Q      |         |         |         |
  1+15       2.5898      2.59  | Q      |         |         |         |
  1+20       2.5434      2.54  | Q      |         |         |         |
  1+25       2.5311      2.53  | Q      |         |         |         |
  1+30       2.5250      2.52  | Q      |         |         |         |
  1+35       2.5232      2.52  | Q      |         |         |         |
  1+40       2.5232      2.52  | Q      |         |         |         |
  1+45       2.5232      2.52  | Q      |         |         |         |
  1+50       2.6862      2.69  | Q      |         |         |         |
  1+55       3.1587      3.16  |  Q     |         |         |         |
  2+ 0       3.2958      3.30  |  Q     |         |         |         |
  2+ 5       3.3440      3.34  |  Q     |         |         |         |
  2+10       3.3562      3.36  |  Q     |         |         |         |
  2+15       3.3624      3.36  |  Q     |         |         |         |
  2+20       3.3642      3.36  |  Q     |         |         |         |
  2+25       3.3642      3.36  |  Q     |         |         |         |
  2+30       3.3642      3.36  |  Q     |         |         |         |
  2+35       3.5273      3.53  |  Q     |         |         |         |
  2+40       3.9997      4.00  |   Q    |         |         |         |
  2+45       4.1368      4.14  |   Q    |         |         |         |
  2+50       4.1850      4.19  |   Q    |         |         |         |
  2+55       4.1973      4.20  |   Q    |         |         |         |
  3+ 0       4.2034      4.20  |   Q    |         |         |         |
  3+ 5       4.2053      4.21  |   Q    |         |         |         |
  3+10       4.2053      4.21  |   Q    |         |         |         |
  3+15       4.2053      4.21  |   Q    |         |         |         |
  3+20       4.2053      4.21  |   Q    |         |         |         |
  3+25       4.2053      4.21  |   Q    |         |         |         |
  3+30       4.2053      4.21  |   Q    |         |         |         |
  3+35       4.2053      4.21  |   Q    |         |         |         |
  3+40       4.2053      4.21  |   Q    |         |         |         |
  3+45       4.2053      4.21  |   Q    |         |         |         |
  3+50       4.3683      4.37  |   Q    |         |         |         |
  3+55       4.8408      4.84  |    Q   |         |         |         |
  4+ 0       4.9779      4.98  |    Q   |         |         |         |
  4+ 5       5.0261      5.03  |    Q   |         |         |         |
  4+10       5.0383      5.04  |    Q   |         |         |         |
  4+15       5.0445      5.04  |    Q   |         |         |         |
  4+20       5.2094      5.21  |    Q   |         |         |         |
  4+25       5.6818      5.68  |     Q  |         |         |         |
  4+30       5.8189      5.82  |     Q  |         |         |         |
  4+35       5.8671      5.87  |     Q  |         |         |         |
  4+40       5.8794      5.88  |     Q  |         |         |         |
  4+45       5.8855      5.89  |     Q  |         |         |         |
  4+50       6.0504      6.05  |     Q  |         |         |         |
```

4+55	6.5229	6.52	
5+ 0	6.6600	6.66	
5+ 5	6.3821	6.38	
5+10	5.4493	5.45	
5+15	5.1814	5.18	
5+20	5.2498	5.25	
5+25	5.6978	5.70	
5+30	5.8226	5.82	
5+35	6.0302	6.03	
5+40	6.5149	6.51	
5+45	6.6582	6.66	
5+50	6.7082	6.71	
5+55	6.7204	6.72	
6+ 0	6.7266	6.73	
6+ 5	6.8915	6.89	
6+10	7.3639	7.36	
6+15	7.5010	7.50	
6+20	7.5492	7.55	
6+25	7.5615	7.56	
6+30	7.5676	7.57	
6+35	7.7325	7.73	
6+40	8.2050	8.20	
6+45	8.3421	8.34	
6+50	8.3903	8.39	
6+55	8.4025	8.40	
7+ 0	8.4087	8.41	
7+ 5	8.4105	8.41	
7+10	8.4105	8.41	
7+15	8.4105	8.41	
7+20	8.6269	8.63	
7+25	9.2571	9.26	
7+30	9.4511	9.45	
7+35	9.7594	9.76	
7+40	10.4567	10.46	
7+45	10.6737	10.67	
7+50	10.9895	10.99	
7+55	11.6880	11.69	
8+ 0	11.9056	11.91	
8+ 5	12.4511	12.45	
8+10	13.8149	13.81	
8+15	14.2254	14.23	
8+20	14.3794	14.38	
8+25	14.4294	14.43	
8+30	14.4623	14.46	
8+35	14.7125	14.71	
8+40	15.3934	15.39	
8+45	15.6018	15.60	
8+50	15.9147	15.91	
8+55	16.6127	16.61	
9+ 0	16.8297	16.83	
9+ 5	17.3747	17.37	
9+10	18.7379	18.74	
9+15	19.1479	19.15	
9+20	19.5310	19.53	
9+25	20.2459	20.25	
9+30	20.4713	20.47	
9+35	20.7889	20.79	
9+40	21.4864	21.49	
9+45	21.7030	21.70	
9+50	22.0179	22.02	
9+55	22.7153	22.72	
10+ 0	22.9317	22.93	
10+ 5	21.4092	21.41	
10+10	16.7828	16.78	
10+15	15.4545	15.45	
10+20	14.9961	15.00	
10+25	14.8901	14.89	
10+30	14.8436	14.84	
10+35	15.9883	15.99	
10+40	19.3299	19.33	
10+45	20.3095	20.31	
10+50	20.6633	20.66	
10+55	20.7635	20.76	
11+ 0	20.8210	20.82	
11+ 5	20.6182	20.62	
11+10	19.9668	19.97	
11+15	19.7876	19.79	
11+20	19.7336	19.73	
11+25	19.7302	19.73	
11+30	19.7353	19.74	
11+35	19.2872	19.29	
11+40	17.9700	17.97	
11+45	17.5975	17.60	
11+50	17.7049	17.70	
11+55	18.3495	18.35	
12+ 0	18.5387	18.54	
12+ 5	20.2225	20.22	
12+10	24.9113	24.91	
12+15	26.2849	26.28	
12+20	27.0059	27.01	
12+25	27.8050	27.81	
12+30	28.0721	28.07	
12+35	28.6304	28.63	
12+40	29.9917	29.99	
12+45	30.3995	30.40	
12+50	30.7806	30.78	
12+55	31.4934	31.49	
13+ 0	31.7167	31.72	
13+ 5	32.9509	32.95	
13+10	36.3081	36.31	
13+15	37.2949	37.29	
13+20	37.6498	37.65	
13+25	37.7484	37.75	
13+30	37.8044	37.80	
13+35	35.3035	35.30	
13+40	27.9959	28.00	
13+45	25.8844	25.88	
13+50	25.1496	25.15	
13+55	24.9726	24.97	
14+ 0	24.8893	24.89	
14+ 5	25.7919	25.79	
14+10	28.4658	28.47	
14+15	29.2502	29.25	
14+20	29.3042	29.30	
14+25	28.7195	28.72	
14+30	28.5731	28.57	
14+35	28.5273	28.53	
14+40	28.5219	28.52	
14+45	28.5249	28.52	
14+50	28.3043	28.30	
14+55	27.6505	27.65	
15+ 0	27.4690	27.47	
15+ 5	27.1829	27.18	
15+10	26.5116	26.51	

15+15	26.3213	26.32	|	|	| Q	|	|
15+20	26.0324	26.03	|	|	| Q	|	|
15+25	25.3610	25.36	|	|	Q |	|	|
15+30	25.1705	25.17	|	|	Q |	|	|
15+35	24.1925	24.19	|	|	Q |	|	|
15+40	21.5245	21.52	|	| Q |	|	|	|
15+45	20.7545	20.75	|	|Q |	|	|	|
15+50	20.4912	20.49	|	|Q |	|	|	|
15+55	20.4333	20.43	|	|Q |	|	|	|
16+ 0	20.4094	20.41	|	|Q |	|	|	|
16+ 5	17.1028	17.10	|	Q |	|	|	|
16+10	7.5286	7.53	| Q	|	|	|	|
16+15	4.7509	4.75	| Q	|	|	|	|
16+20	3.7737	3.77	| Q	|	|	|	|
16+25	3.5261	3.53	| Q	|	|	|	|
16+30	3.4011	3.40	| Q	|	|	|	|
16+35	3.2011	3.20	| Q	|	|	|	|
16+40	2.7287	2.73	| Q	|	|	|	|
16+45	2.5916	2.59	| Q	|	|	|	|
16+50	2.5434	2.54	| Q	|	|	|	|
16+55	2.5311	2.53	| Q	|	|	|	|
17+ 0	2.5250	2.52	| Q	|	|	|	|
17+ 5	2.8493	2.85	| Q	|	|	|	|
17+10	3.7942	3.79	| Q	|	|	|	|
17+15	4.0684	4.07	| Q	|	|	|	|
17+20	4.1648	4.16	| Q	|	|	|	|
17+25	4.1893	4.19	| Q	|	|	|	|
17+30	4.2016	4.20	| Q	|	|	|	|
17+35	4.2053	4.21	| Q	|	|	|	|
17+40	4.2053	4.21	| Q	|	|	|	|
17+45	4.2053	4.21	| Q	|	|	|	|
17+50	4.0422	4.04	| Q	|	|	|	|
17+55	3.5697	3.57	| Q	|	|	|	|
18+ 0	3.4326	3.43	| Q	|	|	|	|
18+ 5	3.3844	3.38	| Q	|	|	|	|
18+10	3.3722	3.37	| Q	|	|	|	|
18+15	3.3660	3.37	| Q	|	|	|	|
18+20	3.3642	3.36	| Q	|	|	|	|
18+25	3.3642	3.36	| Q	|	|	|	|
18+30	3.3642	3.36	| Q	|	|	|	|
18+35	3.2011	3.20	| Q	|	|	|	|
18+40	2.7287	2.73	| Q	|	|	|	|
18+45	2.5916	2.59	| Q	|	|	|	|
18+50	2.3803	2.38	| Q	|	|	|	|
18+55	1.8956	1.90	| Q	|	|	|	|
19+ 0	1.7524	1.75	|Q	|	|	|	|
19+ 5	1.8654	1.87	|Q	|	|	|	|
19+10	2.3256	2.33	| Q	|	|	|	|
19+15	2.4565	2.46	| Q	|	|	|	|
19+20	2.6660	2.67	| Q	|	|	|	|
19+25	3.1507	3.15	| Q	|	|	|	|
19+30	3.2939	3.29	| Q	|	|	|	|
19+35	3.1809	3.18	| Q	|	|	|	|
19+40	2.7207	2.72	| Q	|	|	|	|
19+45	2.5898	2.59	| Q	|	|	|	|
19+50	2.3803	2.38	| Q	|	|	|	|
19+55	1.8956	1.90	| Q	|	|	|	|
20+ 0	1.7524	1.75	|Q	|	|	|	|
20+ 5	1.8654	1.87	|Q	|	|	|	|
20+10	2.3256	2.33	| Q	|	|	|	|
20+15	2.4565	2.46	| Q	|	|	|	|
20+20	2.5029	2.50	| Q	|	|	|	|
20+25	2.5152	2.52	| Q	|	|	|	|
20+30	2.5213	2.52	| Q	|	|	|	|
20+35	2.5232	2.52	| Q	|	|	|	|
20+40	2.5232	2.52	| Q	|	|	|	|
20+45	2.5232	2.52	| Q	|	|	|	|
20+50	2.3601	2.36	| Q	|	|	|	|
20+55	1.8876	1.89	|Q	|	|	|	|
21+ 0	1.7505	1.75	|Q	|	|	|	|
21+ 5	1.8654	1.87	|Q	|	|	|	|
21+10	2.3256	2.33	| Q	|	|	|	|
21+15	2.4565	2.46	| Q	|	|	|	|
21+20	2.3399	2.34	| Q	|	|	|	|
21+25	1.8796	1.88	|Q	|	|	|	|
21+30	1.7487	1.75	|Q	|	|	|	|
21+35	1.8654	1.87	|Q	|	|	|	|
21+40	2.3256	2.33	| Q	|	|	|	|
21+45	2.4565	2.46	| Q	|	|	|	|
21+50	2.3399	2.34	| Q	|	|	|	|
21+55	1.8796	1.88	|Q	|	|	|	|
22+ 0	1.7487	1.75	|Q	|	|	|	|
22+ 5	1.8654	1.87	|Q	|	|	|	|
22+10	2.3256	2.33	| Q	|	|	|	|
22+15	2.4565	2.46	| Q	|	|	|	|
22+20	2.3399	2.34	| Q	|	|	|	|
22+25	1.8796	1.88	|Q	|	|	|	|
22+30	1.7487	1.75	|Q	|	|	|	|
22+35	1.7023	1.70	|Q	|	|	|	|
22+40	1.6901	1.69	|Q	|	|	|	|
22+45	1.6839	1.68	|Q	|	|	|	|
22+50	1.6821	1.68	|Q	|	|	|	|
22+55	1.6821	1.68	|Q	|	|	|	|
23+ 0	1.6821	1.68	|Q	|	|	|	|
23+ 5	1.6821	1.68	|Q	|	|	|	|
23+10	1.6821	1.68	|Q	|	|	|	|
23+15	1.6821	1.68	|Q	|	|	|	|
23+20	1.6821	1.68	|Q	|	|	|	|
23+25	1.6821	1.68	|Q	|	|	|	|
23+30	1.6821	1.68	|Q	|	|	|	|
23+35	1.6821	1.68	|Q	|	|	|	|
23+40	1.6821	1.68	|Q	|	|	|	|
23+45	1.6821	1.68	|Q	|	|	|	|
23+50	1.6821	1.68	|Q	|	|	|	|
23+55	1.6821	1.68	|Q	|	|	|	|
24+ 0	1.6821	1.68	|Q	|	|	|	|
24+ 5	1.3560	1.36	|Q	|	|	|	|
24+10	0.4110	0.41	Q	|	|	|	|
24+15	0.1369	0.14	Q	|	|	|	|
24+20	0.0404	0.04	Q	|	|	|	|
24+25	0.0160	0.02	Q	|	|	|	|
24+30	0.0036	0.00	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 294
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 37.804 (CFS)
Total volume = 20.602 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.354	42.595	10.790	0.000	0.000
Vol (Ac.Ft)	0.369	18.862	4.173	0.000	0.000

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Process from Point/Station 10.940 to Point/Station 10.940

**** RETARDING BASIN ROUTING ****

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User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 294

Hydrograph time unit = 5.000 (Min.)

Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)

Initial basin storage = 0.00 (Ac.Ft)

Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.319	0.400	0.318	0.320
2.000	0.703	0.580	0.701	0.705
3.000	1.155	1.120	1.151	1.159
4.000	1.677	1.410	1.672	1.682
5.000	2.272	1.650	2.266	2.278
6.000	2.942	1.850	2.936	2.948
7.000	3.688	2.040	3.681	3.695
8.000	4.513	2.200	4.505	4.521
9.000	5.417	2.360	5.409	5.425
10.000	6.422	2.510	6.413	6.431
11.000	7.509	2.640	7.500	7.518
12.000	8.660	2.770	8.650	8.670
13.000	9.897	32.020	9.787	10.007
14.000	11.222	85.390	10.928	11.516
15.000	12.636	154.460	12.104	13.168

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 9.5 18.90 28.35 37.80	Depth (Ft.)
0.083	0.33	0.00	0.001	O	0.00
0.167	1.27	0.01	0.007	OI	0.02
0.250	1.55	0.02	0.016	OI	0.05
0.333	1.80	0.03	0.028	OI	0.09
0.417	2.30	0.05	0.041	OI	0.13
0.500	2.45	0.07	0.057	O I	0.18
0.583	2.50	0.09	0.074	O I	0.23
0.667	2.52	0.11	0.090	O I	0.28
0.750	2.52	0.13	0.107	O I	0.34
0.833	2.69	0.16	0.124	O I	0.39
0.917	3.16	0.18	0.143	O I	0.45
1.000	3.30	0.21	0.164	O I	0.51
1.083	3.18	0.23	0.184	O I	0.58
1.167	2.72	0.25	0.203	O I	0.64
1.250	2.59	0.28	0.220	O I	0.69
1.333	2.54	0.30	0.235	O I	0.74
1.417	2.53	0.31	0.251	O I	0.79
1.500	2.52	0.33	0.266	O I	0.83
1.583	2.52	0.35	0.281	O I	0.88
1.667	2.52	0.37	0.296	O I	0.93
1.750	2.52	0.39	0.311	O I	0.97
1.833	2.69	0.40	0.326	O I	1.02
1.917	3.16	0.41	0.343	O I	1.06
2.000	3.30	0.42	0.362	O I	1.11
2.083	3.34	0.43	0.382	O I	1.17
2.167	3.36	0.44	0.402	O I	1.22
2.250	3.36	0.45	0.423	O I	1.27
2.333	3.36	0.46	0.443	O I	1.32
2.417	3.36	0.47	0.463	O I	1.37
2.500	3.36	0.48	0.482	O I	1.43
2.583	3.53	0.49	0.503	O I	1.48
2.667	4.00	0.50	0.525	O I	1.54
2.750	4.14	0.51	0.550	O I	1.60
2.833	4.19	0.52	0.575	O I	1.67
2.917	4.20	0.53	0.600	O I	1.73
3.000	4.20	0.54	0.626	O I	1.80
3.083	4.21	0.56	0.651	O I	1.86
3.167	4.21	0.57	0.676	O I	1.93
3.250	4.21	0.58	0.701	O I	1.99
3.333	4.21	0.61	0.726	O I	2.05
3.417	4.21	0.64	0.750	O I	2.10
3.500	4.21	0.67	0.775	O I	2.16
3.583	4.21	0.69	0.799	O I	2.21
3.667	4.21	0.72	0.823	O I	2.27
3.750	4.21	0.75	0.847	O I	2.32
3.833	4.37	0.78	0.871	O I	2.37
3.917	4.84	0.81	0.898	O I	2.43
4.000	4.98	0.85	0.926	O I	2.49
4.083	5.03	0.88	0.954	O I	2.56
4.167	5.04	0.91	0.983	O I	2.62
4.250	5.04	0.95	1.011	O I	2.68
4.333	5.21	0.98	1.040	O I	2.74
4.417	5.68	1.02	1.070	O I	2.81
4.500	5.82	1.06	1.103	O I	2.88
4.583	5.87	1.10	1.136	O I	2.96
4.667	5.88	1.13	1.168	O I	3.03
4.750	5.89	1.15	1.201	O I	3.09
4.833	6.05	1.16	1.234	O I	3.15
4.917	6.52	1.18	1.269	|O I	3.22
5.000	6.66	1.20	1.307	|O I	3.29
5.083	6.38	1.22	1.343	|O I	3.36
5.167	5.45	1.24	1.375	|O I	3.42
5.250	5.18	1.26	1.403	|O I	3.48
5.333	5.25	1.27	1.431	|O I	3.53
5.417	5.70	1.29	1.459	|O I	3.58
5.500	5.82	1.31	1.490	|O I	3.64
5.583	6.03	1.32	1.522	|O I	3.70
5.667	6.51	1.34	1.556	|O I	3.77
5.750	6.66	1.36	1.592	|O I	3.84
5.833	6.71	1.38	1.629	|O I	3.91
5.917	6.72	1.40	1.665	|O I	3.98
6.000	6.73	1.42	1.702	|O I	4.04
6.083	6.89	1.43	1.739	|O I	4.10
6.167	7.36	1.45	1.778	|O I	4.17
6.250	7.50	1.47	1.819	|O I	4.24
6.333	7.55	1.48	1.861	|O I	4.31

6.417	7.56	1.50	1.903	|O	I |	|	|	|	4.38	11.583	19.29	2.65	7.556	| O	|	I	|	|	11.04
6.500	7.57	1.52	1.944	|O	I |	|	|	|	4.45	11.667	17.97	2.66	7.666	| O	|	I|	|	|	11.14
6.583	7.73	1.53	1.986	|O	I |	|	|	|	4.52	11.750	17.60	2.67	7.770	| O	|	I |	|	|	11.23
6.667	8.20	1.55	2.031	|O	I |	|	|	|	4.59	11.833	17.70	2.68	7.874	| O	|	I |	|	|	11.32
6.750	8.34	1.57	2.077	|O	I|	|	|	|	4.67	11.917	18.35	2.69	7.979	| O	|	I|	|	|	11.41
6.833	8.39	1.59	2.124	|O	I|	|	|	|	4.75	12.000	18.54	2.71	8.088	| O	|	I|	|	|	11.50
6.917	8.40	1.61	2.170	|O	I|	|	|	|	4.83	12.083	20.22	2.72	8.202	| O	|	|I	|	|	11.60
7.000	8.41	1.63	2.217	|O	I|	|	|	|	4.91	12.167	24.91	2.73	8.339	| O	|	| I	|	|	11.72
7.083	8.41	1.65	2.264	|O	I|	|	|	|	4.99	12.250	26.28	2.75	8.496	| O	|	| I	|	|	11.86
7.167	8.41	1.66	2.310	|O	I|	|	|	|	5.06	12.333	27.01	2.79	8.661	| O	|	| I	|	|	12.00
7.250	8.41	1.68	2.357	|O	I|	|	|	|	5.13	12.417	27.81	6.50	8.818	| O	|	| I|	|	|	12.13
7.333	8.63	1.69	2.404	|O	I|	|	|	|	5.20	12.500	28.07	9.73	8.954	| O	|	| I|	|	|	12.24
7.417	9.26	1.70	2.454	|O	I|	|	|	|	5.27	12.583	28.63	12.53	9.073	| O	|	| I	|	|	12.33
7.500	9.45	1.72	2.506	|O	I|	|	|	|	5.35	12.667	29.99	15.06	9.180	| O	|	|I	|	|	12.42
7.583	9.76	1.74	2.561	|O	I |	|	|	|	5.43	12.750	30.40	17.34	9.276	| O	|	|I	|	|	12.50
7.667	10.46	1.75	2.618	|O	I |	|	|	|	5.52	12.833	30.78	19.33	9.360	| O	|	| I	|	|	12.57
7.750	10.67	1.77	2.679	|O	|I |	|	|	|	5.61	12.917	31.49	21.11	9.436	| O	|	| I	|	|	12.63
7.833	10.99	1.79	2.741	|O	|I |	|	|	|	5.70	13.000	31.72	22.69	9.502	| O	|	| I	|	|	12.68
7.917	11.69	1.81	2.807	|O	|I |	|	|	|	5.80	13.083	32.95	24.14	9.564	| O	|	| I	|	|	12.73
8.000	11.91	1.83	2.876	|O	| I |	|	|	|	5.90	13.167	36.31	25.72	9.631	| O	|	| I	|	|	12.78
8.083	12.45	1.85	2.947	|O	| I |	|	|	|	6.01	13.250	37.29	27.39	9.701	| O	|	| I|	|	|	12.84
8.167	13.81	1.87	3.024	|O	| I |	|	|	|	6.11	13.333	37.65	28.91	9.765	| O	|	| I|	|	|	12.89
8.250	14.23	1.89	3.108	|O	| I |	|	|	|	6.22	13.417	37.75	30.23	9.821	| O	|	|I|	|	|	12.94
8.333	14.38	1.91	3.193	|O	| I |	|	|	|	6.34	13.500	37.80	31.37	9.869	| O	|	| I|	|	|	12.98
8.417	14.43	1.94	3.279	|O	| I |	|	|	|	6.45	13.583	35.30	32.23	9.902	| O	|	| I|	|	|	13.00
8.500	14.46	1.96	3.365	|O	| I |	|	|	|	6.57	13.667	28.00	32.09	9.899	| O	|	| I|	|	|	13.00
8.583	14.71	1.98	3.452	|O	| I |	|	|	|	6.68	13.750	25.88	31.29	9.866	| O	|	| I	|	|	12.97
8.667	15.39	2.00	3.542	|O	| I |	|	|	|	6.80	13.833	25.15	30.42	9.829	| O	|	| I	|O	|	12.95
8.750	15.60	2.03	3.635	|O	| I |	|	|	|	6.93	13.917	24.97	29.61	9.795	| O	|	| I	|O	|	12.92
8.833	15.91	2.05	3.730	|O	| I |	|	|	|	7.05	14.000	24.89	28.91	9.765	| O	|	| I	O	|	12.89
8.917	16.61	2.07	3.827	|O	| I |	|	|	|	7.17	14.083	25.79	28.37	9.743	| O	|	| I	O	|	12.88
9.000	16.83	2.09	3.928	|O	| I |	|	|	|	7.29	14.167	28.47	28.18	9.735	| O	|	| OI	|	12.87
9.083	17.37	2.11	4.032	|O	| I |	|	|	|	7.42	14.250	29.25	28.28	9.739	| O	|	| OI	|	12.87
9.167	18.74	2.13	4.141	|O	| I|	|	|	|	7.55	14.333	29.30	28.43	9.745	| O	|	| O	|	12.88
9.250	19.15	2.15	4.257	|O	| I |	|	|	|	7.69	14.417	28.72	28.52	9.749	| O	|	| O	|	12.88
9.333	19.53	2.17	4.375	|O	| I |	|	|	|	7.83	14.500	28.57	28.54	9.750	| O	|	| O	|	12.88
9.417	20.25	2.20	4.497	|O	| |I |	|	|	|	7.98	14.583	28.53	28.54	9.750	| O	|	| O	|	12.88
9.500	20.47	2.22	4.622	|O	| |I |	|	|	|	8.12	14.667	28.52	28.54	9.750	| O	|	| O	|	12.88
9.583	20.79	2.24	4.749	|O	| |I |	|	|	|	8.26	14.750	28.52	28.54	9.750	| O	|	| O	|	12.88
9.667	21.49	2.26	4.879	|O	| | I |	|	|	|	8.41	14.833	28.30	28.52	9.749	| O	|	| IO	|	12.88
9.750	21.70	2.29	5.012	|O	| | I |	|	|	|	8.55	14.917	27.65	28.44	9.745	| O	|	| IO	|	12.88
9.833	22.02	2.31	5.147	|O	| | I |	|	|	|	8.70	15.000	27.47	28.30	9.740	| O	|	| O|	|	12.87
9.917	22.72	2.34	5.285	|O	| | I |	|	|	|	8.85	15.083	27.18	28.16	9.734	| O	|	| O|	|	12.87
10.000	22.93	2.36	5.426	|O	| | I |	|	|	|	9.01	15.167	26.51	27.96	9.725	| O	|	| IO|	|	12.86
10.083	21.41	2.38	5.562	| O	| | I |	|	|	|	9.14	15.250	26.32	27.73	9.715	| O	|	| IO|	|	12.85
10.167	16.78	2.40	5.677	| O	| I |	|	|	|	9.26	15.333	26.03	27.49	9.706	| O	|	| IO|	|	12.85
10.250	15.45	2.41	5.772	| O	| I |	|	|	|	9.35	15.417	25.36	27.22	9.694	| O	|	| I O|	|	12.84
10.333	15.00	2.43	5.860	| O	| I |	|	|	|	9.44	15.500	25.17	26.93	9.682	| O	|	| IO |	|	12.83
10.417	14.89	2.44	5.946	| O	| I |	|	|	|	9.53	15.583	24.19	26.59	9.667	| O	|	| I O |	|	12.81
10.500	14.84	2.45	6.032	| O	| I |	|	|	|	9.61	15.667	21.52	26.03	9.644	| O	|	| I O |	|	12.80
10.583	15.99	2.47	6.121	| O	| I |	|	|	|	9.70	15.750	20.75	25.29	9.612	| O	|	|I O |	|	12.77
10.667	19.33	2.48	6.226	| O	| I |	|	|	|	9.80	15.833	20.49	24.59	9.583	| O	|	|I O |	|	12.75
10.750	20.31	2.50	6.345	| O	| |I |	|	|	|	9.92	15.917	20.43	23.97	9.556	| O	|	|I O |	|	12.72
10.833	20.66	2.52	6.469	| O	| |I |	|	|	|	10.04	16.000	20.41	23.43	9.534	| O	|	|I O |	|	12.71
10.917	20.76	2.53	6.594	| O	| |I |	|	|	|	10.16	16.083	17.10	22.73	9.504	| O	|	| I | O |	|	12.68
11.000	20.82	2.55	6.720	| O	| |I |	|	|	|	10.27	16.167	7.53	21.16	9.438	| O	| I |	|O |	|	12.63
11.083	20.62	2.56	6.845	| O	| |I |	|	|	|	10.39	16.250	4.75	18.90	9.342	| O	| I |	| O|	|	12.55
11.167	19.97	2.58	6.967	| O	| I |	|	|	|	10.50	16.333	3.77	16.69	9.249	| O	| I |	| O |	|	12.48
11.250	19.79	2.59	7.086	| O	| I |	|	|	|	10.61	16.417	3.53	14.73	9.166	| O	| I |	| O |	|	12.41
11.333	19.73	2.60	7.204	| O	| I |	|	|	|	10.72	16.500	3.40	13.03	9.094	| O	| I |	| O |	|	12.35
11.417	19.73	2.62	7.322	| O	| I |	|	|	|	10.83	16.583	3.20	11.57	9.032	| O	| I |	|O |	|	12.30
11.500	19.74	2.63	7.440	| O	| I |	|	|	|	10.94	16.667	2.73	10.27	8.977	| O	| I |	O |	|	12.26

16.750	2.59	9.13	8.929	| I O|				12.22	21.917	1.88	2.76	8.560	|IO					11.91
16.833	2.54	8.14	8.887	| I O |				12.18	22.000	1.75	2.76	8.553	|IO					11.91
16.917	2.53	7.30	8.851	| I O |				12.15	22.083	1.87	2.76	8.547	|IO					11.90
17.000	2.52	6.58	8.821	| I O |				12.13	22.167	2.33	2.76	8.542	|IO					11.90
17.083	2.85	5.99	8.796	| I O |				12.11	22.250	2.46	2.76	8.540	| O					11.90
17.167	3.79	5.59	8.779	| IO |				12.10	22.333	2.34	2.76	8.537	|IO					11.89
17.250	4.07	5.34	8.769	| IO |				12.09	22.417	1.88	2.76	8.533	|IO					11.89
17.333	4.16	5.16	8.761	| IO |				12.08	22.500	1.75	2.75	8.526	|IO					11.88
17.417	4.19	5.01	8.755	| IO |				12.08	22.583	1.70	2.75	8.519	|IO					11.88
17.500	4.20	4.89	8.749	| IO |				12.07	22.667	1.69	2.75	8.512	|IO					11.87
17.583	4.21	4.78	8.745	| IO |				12.07	22.750	1.68	2.75	8.505	|IO					11.86
17.667	4.21	4.70	8.741	| O |				12.07	22.833	1.68	2.75	8.497	|IO					11.86
17.750	4.21	4.62	8.738	| O |				12.06	22.917	1.68	2.75	8.490	|IO					11.85
17.833	4.04	4.55	8.735	| O |				12.06	23.000	1.68	2.75	8.482	|IO					11.85
17.917	3.57	4.44	8.730	| O |				12.06	23.083	1.68	2.75	8.475	|IO					11.84
18.000	3.43	4.29	8.724	| IO |				12.05	23.167	1.68	2.75	8.468	|IO					11.83
18.083	3.38	4.16	8.719	| IO |				12.05	23.250	1.68	2.75	8.460	|IO					11.83
18.167	3.37	4.04	8.714	| IO |				12.04	23.333	1.68	2.75	8.453	|IO					11.82
18.250	3.37	3.94	8.710	| IO |				12.04	23.417	1.68	2.75	8.446	|IO					11.81
18.333	3.36	3.86	8.706	| IO |				12.04	23.500	1.68	2.74	8.438	|IO					11.81
18.417	3.36	3.78	8.703	| IO |				12.03	23.583	1.68	2.74	8.431	|IO					11.80
18.500	3.36	3.72	8.700	| IO |				12.03	23.667	1.68	2.74	8.424	|IO					11.79
18.583	3.20	3.65	8.697	| IO |				12.03	23.750	1.68	2.74	8.417	|IO					11.79
18.667	2.73	3.55	8.693	| IO |				12.03	23.833	1.68	2.74	8.409	|IO					11.78
18.750	2.59	3.42	8.687	| O |				12.02	23.917	1.68	2.74	8.402	|IO					11.78
18.833	2.38	3.28	8.681	| O |				12.02	24.000	1.68	2.74	8.395	|IO					11.77
18.917	1.90	3.10	8.674	|IO |				12.01	24.083	1.36	2.74	8.386	|IO					11.76
19.000	1.75	2.91	8.666	|IO |				12.00	24.167	0.41	2.74	8.373	I O					11.75
19.083	1.87	2.77	8.659	|IO |				12.00	24.250	0.14	2.74	8.356	I O					11.74
19.167	2.33	2.77	8.654	|IO |				11.99	24.333	0.04	2.73	8.338	I O					11.72
19.250	2.46	2.77	8.652	| O |				11.99	24.417	0.02	2.73	8.320	I O					11.70
19.333	2.67	2.77	8.650	| O |				11.99	24.500	0.00	2.73	8.301	I O					11.69
19.417	3.15	2.77	8.651	| O |				11.99	24.583	0.00	2.73	8.282	I O					11.67
19.500	3.29	2.77	8.654	| O |				12.00	24.667	0.00	2.73	8.263	I O					11.66
19.583	3.18	2.77	8.657	| O |				12.00	24.750	0.00	2.72	8.245	I O					11.64
19.667	2.72	2.77	8.659	| O |				12.00	24.833	0.00	2.72	8.226	I O					11.62
19.750	2.59	2.77	8.658	| O |				12.00	24.917	0.00	2.72	8.207	I O					11.61
19.833	2.38	2.77	8.656	| O |				12.00	25.000	0.00	2.72	8.188	I O					11.59
19.917	1.90	2.77	8.652	|IO |				11.99	25.083	0.00	2.71	8.170	I O					11.57
20.000	1.75	2.77	8.645	|IO |				11.99	25.167	0.00	2.71	8.151	I O					11.56
20.083	1.87	2.77	8.639	|IO |				11.98	25.250	0.00	2.71	8.132	I O					11.54
20.167	2.33	2.77	8.634	|IO |				11.98	25.333	0.00	2.71	8.114	I O					11.53
20.250	2.46	2.77	8.631	| O |				11.98	25.417	0.00	2.71	8.095	I O					11.51
20.333	2.50	2.77	8.629	| O |				11.97	25.500	0.00	2.70	8.076	I O					11.49
20.417	2.52	2.77	8.628	| O |				11.97	25.583	0.00	2.70	8.058	I O					11.48
20.500	2.52	2.77	8.626	| O |				11.97	25.667	0.00	2.70	8.039	I O					11.46
20.583	2.52	2.77	8.624	| O |				11.97	25.750	0.00	2.70	8.021	I O					11.44
20.667	2.52	2.77	8.623	| O |				11.97	25.833	0.00	2.70	8.002	I O					11.43
20.750	2.52	2.77	8.621	| O |				11.97	25.917	0.00	2.69	7.983	I O					11.41
20.833	2.36	2.77	8.619	|IO |				11.96	26.000	0.00	2.69	7.965	I O					11.40
20.917	1.89	2.76	8.614	|IO |				11.96	26.083	0.00	2.69	7.946	I O					11.38
21.000	1.75	2.76	8.608	|IO |				11.95	26.167	0.00	2.69	7.928	I O					11.36
21.083	1.87	2.76	8.601	|IO |				11.95	26.250	0.00	2.69	7.909	I O					11.35
21.167	2.33	2.76	8.597	|IO |				11.94	26.333	0.00	2.68	7.891	I O					11.33
21.250	2.46	2.76	8.594	| O |				11.94	26.417	0.00	2.68	7.872	I O					11.32
21.333	2.34	2.76	8.591	|IO |				11.94	26.500	0.00	2.68	7.854	I O					11.30
21.417	1.88	2.76	8.587	|IO |				11.94	26.583	0.00	2.68	7.836	I O					11.28
21.500	1.75	2.76	8.580	|IO |				11.93	26.667	0.00	2.67	7.817	I O					11.27
21.583	1.87	2.76	8.574	|IO |				11.93	26.750	0.00	2.67	7.799	I O					11.25
21.667	2.33	2.76	8.569	|IO |				11.92	26.833	0.00	2.67	7.780	I O					11.24
21.750	2.46	2.76	8.567	| O |				11.92	26.917	0.00	2.67	7.762	I O					11.22
21.833	2.34	2.76	8.564	|IO |				11.92	27.000	0.00	2.67	7.744	I O					11.20

27.083	0.00	2.66	7.725	I	O	|	|	|	|	11.19	32.250	0.00	2.53	6.615	I	O	|	|	|	|	10.18
27.167	0.00	2.66	7.707	I	O	|	|	|	|	11.17	32.333	0.00	2.53	6.598	I	O	|	|	|	|	10.16
27.250	0.00	2.66	7.688	I	O	|	|	|	|	11.16	32.417	0.00	2.53	6.581	I	O	|	|	|	|	10.15
27.333	0.00	2.66	7.670	I	O	|	|	|	|	11.14	32.500	0.00	2.53	6.563	I	O	|	|	|	|	10.13
27.417	0.00	2.66	7.652	I	O	|	|	|	|	11.12	32.583	0.00	2.52	6.546	I	O	|	|	|	|	10.11
27.500	0.00	2.65	7.634	I	O	|	|	|	|	11.11	32.667	0.00	2.52	6.528	I	O	|	|	|	|	10.10
27.583	0.00	2.65	7.615	I	O	|	|	|	|	11.09	32.750	0.00	2.52	6.511	I	O	|	|	|	|	10.08
27.667	0.00	2.65	7.597	I	O	|	|	|	|	11.08	32.833	0.00	2.52	6.494	I	O	|	|	|	|	10.07
27.750	0.00	2.65	7.579	I	O	|	|	|	|	11.06	32.917	0.00	2.52	6.476	I	O	|	|	|	|	10.05
27.833	0.00	2.65	7.561	I	O	|	|	|	|	11.04	33.000	0.00	2.51	6.459	I	O	|	|	|	|	10.03
27.917	0.00	2.64	7.542	I	O	|	|	|	|	11.03	33.083	0.00	2.51	6.442	I	O	|	|	|	|	10.02
28.000	0.00	2.64	7.524	I	O	|	|	|	|	11.01	33.167	0.00	2.51	6.424	I	O	|	|	|	|	10.00
28.083	0.00	2.64	7.506	I	O	|	|	|	|	11.00	33.250	0.00	2.51	6.407	I	O	|	|	|	|	9.99
28.167	0.00	2.64	7.488	I	O	|	|	|	|	10.98	33.333	0.00	2.51	6.390	I	O	|	|	|	|	9.97
28.250	0.00	2.64	7.470	I	O	|	|	|	|	10.96	33.417	0.00	2.50	6.373	I	O	|	|	|	|	9.95
28.333	0.00	2.63	7.452	I	O	|	|	|	|	10.95	33.500	0.00	2.50	6.355	I	O	|	|	|	|	9.93
28.417	0.00	2.63	7.433	I	O	|	|	|	|	10.93	33.583	0.00	2.50	6.338	I	O	|	|	|	|	9.92
28.500	0.00	2.63	7.415	I	O	|	|	|	|	10.91	33.667	0.00	2.49	6.321	I	O	|	|	|	|	9.90
28.583	0.00	2.63	7.397	I	O	|	|	|	|	10.90	33.750	0.00	2.49	6.304	I	O	|	|	|	|	9.88
28.667	0.00	2.62	7.379	I	O	|	|	|	|	10.88	33.833	0.00	2.49	6.287	I	O	|	|	|	|	9.87
28.750	0.00	2.62	7.361	I	O	|	|	|	|	10.86	33.917	0.00	2.49	6.270	I	O	|	|	|	|	9.85
28.833	0.00	2.62	7.343	I	O	|	|	|	|	10.85	34.000	0.00	2.48	6.252	I	O	|	|	|	|	9.83
28.917	0.00	2.62	7.325	I	O	|	|	|	|	10.83	34.083	0.00	2.48	6.235	I	O	|	|	|	|	9.81
29.000	0.00	2.62	7.307	I	O	|	|	|	|	10.81	34.167	0.00	2.48	6.218	I	O	|	|	|	|	9.80
29.083	0.00	2.61	7.289	I	O	|	|	|	|	10.80	34.250	0.00	2.48	6.201	I	O	|	|	|	|	9.78
29.167	0.00	2.61	7.271	I	O	|	|	|	|	10.78	34.333	0.00	2.47	6.184	I	O	|	|	|	|	9.76
29.250	0.00	2.61	7.253	I	O	|	|	|	|	10.76	34.417	0.00	2.47	6.167	I	O	|	|	|	|	9.75
29.333	0.00	2.61	7.235	I	O	|	|	|	|	10.75	34.500	0.00	2.47	6.150	I	O	|	|	|	|	9.73
29.417	0.00	2.61	7.217	I	O	|	|	|	|	10.73	34.583	0.00	2.47	6.133	I	O	|	|	|	|	9.71
29.500	0.00	2.60	7.199	I	O	|	|	|	|	10.71	34.667	0.00	2.46	6.116	I	O	|	|	|	|	9.70
29.583	0.00	2.60	7.181	I	O	|	|	|	|	10.70	34.750	0.00	2.46	6.099	I	O	|	|	|	|	9.68
29.667	0.00	2.60	7.163	I	O	|	|	|	|	10.68	34.833	0.00	2.46	6.082	I	O	|	|	|	|	9.66
29.750	0.00	2.60	7.145	I	O	|	|	|	|	10.67	34.917	0.00	2.46	6.065	I	O	|	|	|	|	9.65
29.833	0.00	2.59	7.127	I	O	|	|	|	|	10.65	35.000	0.00	2.45	6.048	I	O	|	|	|	|	9.63
29.917	0.00	2.59	7.110	I	O	|	|	|	|	10.63	35.083	0.00	2.45	6.031	I	O	|	|	|	|	9.61
30.000	0.00	2.59	7.092	I	O	|	|	|	|	10.62	35.167	0.00	2.45	6.015	I	O	|	|	|	|	9.59
30.083	0.00	2.59	7.074	I	O	|	|	|	|	10.60	35.250	0.00	2.45	5.998	I	O	|	|	|	|	9.58
30.167	0.00	2.59	7.056	I	O	|	|	|	|	10.58	35.333	0.00	2.44	5.981	I	O	|	|	|	|	9.56
30.250	0.00	2.58	7.038	I	O	|	|	|	|	10.57	35.417	0.00	2.44	5.964	I	O	|	|	|	|	9.54
30.333	0.00	2.58	7.021	I	O	|	|	|	|	10.55	35.500	0.00	2.44	5.947	I	O	|	|	|	|	9.53
30.417	0.00	2.58	7.003	I	O	|	|	|	|	10.53	35.583	0.00	2.44	5.930	I	O	|	|	|	|	9.51
30.500	0.00	2.58	6.985	I	O	|	|	|	|	10.52	35.667	0.00	2.43	5.914	I	O	|	|	|	|	9.49
30.583	0.00	2.58	6.967	I	O	|	|	|	|	10.50	35.750	0.00	2.43	5.897	I	O	|	|	|	|	9.48
30.667	0.00	2.57	6.950	I	O	|	|	|	|	10.49	35.833	0.00	2.43	5.880	I	O	|	|	|	|	9.46
30.750	0.00	2.57	6.932	I	O	|	|	|	|	10.47	35.917	0.00	2.43	5.863	I	O	|	|	|	|	9.44
30.833	0.00	2.57	6.914	I	O	|	|	|	|	10.45	36.000	0.00	2.42	5.847	I	O	|	|	|	|	9.43
30.917	0.00	2.57	6.896	I	O	|	|	|	|	10.44	36.083	0.00	2.42	5.830	I	O	|	|	|	|	9.41
31.000	0.00	2.56	6.879	I	O	|	|	|	|	10.42	36.167	0.00	2.42	5.813	I	O	|	|	|	|	9.39
31.083	0.00	2.56	6.861	I	O	|	|	|	|	10.40	36.250	0.00	2.42	5.797	I	O	|	|	|	|	9.38
31.167	0.00	2.56	6.843	I	O	|	|	|	|	10.39	36.333	0.00	2.41	5.780	I	O	|	|	|	|	9.36
31.250	0.00	2.56	6.826	I	O	|	|	|	|	10.37	36.417	0.00	2.41	5.763	I	O	|	|	|	|	9.34
31.333	0.00	2.56	6.808	I	O	|	|	|	|	10.36	36.500	0.00	2.41	5.747	I	O	|	|	|	|	9.33
31.417	0.00	2.55	6.791	I	O	|	|	|	|	10.34	36.583	0.00	2.41	5.730	I	O	|	|	|	|	9.31
31.500	0.00	2.55	6.773	I	O	|	|	|	|	10.32	36.667	0.00	2.40	5.714	I	O	|	|	|	|	9.30
31.583	0.00	2.55	6.755	I	O	|	|	|	|	10.31	36.750	0.00	2.40	5.697	I	O	|	|	|	|	9.28
31.667	0.00	2.55	6.738	I	O	|	|	|	|	10.29	36.833	0.00	2.40	5.681	I	O	|	|	|	|	9.26
31.750	0.00	2.55	6.720	I	O	|	|	|	|	10.27	36.917	0.00	2.40	5.664	I	O	|	|	|	|	9.25
31.833	0.00	2.54	6.703	I	O	|	|	|	|	10.26	37.000	0.00	2.39	5.648	I	O	|	|	|	|	9.23
31.917	0.00	2.54	6.685	I	O	|	|	|	|	10.24	37.083	0.00	2.39	5.631	I	O	|	|	|	|	9.21
32.000	0.00	2.54	6.668	I	O	|	|	|	|	10.23	37.167	0.00	2.39	5.615	I	O	|	|	|	|	9.20
32.083	0.00	2.54	6.650	I	O	|	|	|	|	10.21	37.250	0.00	2.39	5.598	I	O	|	|	|	|	9.18
32.167	0.00	2.54	6.633	I	O	|	|	|	|	10.19	37.333	0.00	2.38	5.582	I	O	|	|	|	|	9.16

37.417	0.00	2.38	5.565	I O					9.15	42.583	0.00	2.21	4.584	IO					8.08
37.500	0.00	2.38	5.549	I O					9.13	42.667	0.00	2.21	4.569	IO					8.06
37.583	0.00	2.38	5.533	I O					9.12	42.750	0.00	2.21	4.554	IO					8.05
37.667	0.00	2.37	5.516	I O					9.10	42.833	0.00	2.20	4.539	IO					8.03
37.750	0.00	2.37	5.500	I O					9.08	42.917	0.00	2.20	4.523	IO					8.01
37.833	0.00	2.37	5.484	I O					9.07	43.000	0.00	2.20	4.508	IO					7.99
37.917	0.00	2.37	5.467	I O					9.05	43.083	0.00	2.20	4.493	IO					7.98
38.000	0.00	2.37	5.451	I O					9.03	43.167	0.00	2.19	4.478	IO					7.96
38.083	0.00	2.36	5.435	IO					9.02	43.250	0.00	2.19	4.463	IO					7.94
38.167	0.00	2.36	5.418	IO					9.00	43.333	0.00	2.19	4.448	IO					7.92
38.250	0.00	2.36	5.402	IO					8.98	43.417	0.00	2.18	4.433	IO					7.90
38.333	0.00	2.35	5.386	IO					8.97	43.500	0.00	2.18	4.418	IO					7.88
38.417	0.00	2.35	5.370	IO					8.95	43.583	0.00	2.18	4.403	IO					7.87
38.500	0.00	2.35	5.354	IO					8.93	43.667	0.00	2.18	4.388	IO					7.85
38.583	0.00	2.35	5.337	IO					8.91	43.750	0.00	2.17	4.373	IO					7.83
38.667	0.00	2.34	5.321	IO					8.89	43.833	0.00	2.17	4.358	IO					7.81
38.750	0.00	2.34	5.305	IO					8.88	43.917	0.00	2.17	4.343	IO					7.79
38.833	0.00	2.34	5.289	IO					8.86	44.000	0.00	2.16	4.328	IO					7.78
38.917	0.00	2.33	5.273	IO					8.84	44.083	0.00	2.16	4.313	IO					7.76
39.000	0.00	2.33	5.257	IO					8.82	44.167	0.00	2.16	4.298	IO					7.74
39.083	0.00	2.33	5.241	IO					8.81	44.250	0.00	2.16	4.283	IO					7.72
39.167	0.00	2.33	5.225	IO					8.79	44.333	0.00	2.15	4.268	IO					7.70
39.250	0.00	2.32	5.209	IO					8.77	44.417	0.00	2.15	4.254	IO					7.69
39.333	0.00	2.32	5.193	IO					8.75	44.500	0.00	2.15	4.239	IO					7.67
39.417	0.00	2.32	5.177	IO					8.73	44.583	0.00	2.14	4.224	IO					7.65
39.500	0.00	2.31	5.161	IO					8.72	44.667	0.00	2.14	4.209	IO					7.63
39.583	0.00	2.31	5.145	IO					8.70	44.750	0.00	2.14	4.195	IO					7.61
39.667	0.00	2.31	5.129	IO					8.68	44.833	0.00	2.14	4.180	IO					7.60
39.750	0.00	2.31	5.113	IO					8.66	44.917	0.00	2.13	4.165	IO					7.58
39.833	0.00	2.30	5.097	IO					8.65	45.000	0.00	2.13	4.150	IO					7.56
39.917	0.00	2.30	5.081	IO					8.63	45.083	0.00	2.13	4.136	IO					7.54
40.000	0.00	2.30	5.066	IO					8.61	45.167	0.00	2.12	4.121	IO					7.53
40.083	0.00	2.30	5.050	IO					8.59	45.250	0.00	2.12	4.107	IO					7.51
40.167	0.00	2.29	5.034	IO					8.58	45.333	0.00	2.12	4.092	IO					7.49
40.250	0.00	2.29	5.018	IO					8.56	45.417	0.00	2.12	4.077	IO					7.47
40.333	0.00	2.29	5.002	IO					8.54	45.500	0.00	2.11	4.063	IO					7.45
40.417	0.00	2.28	4.987	IO					8.52	45.583	0.00	2.11	4.048	IO					7.44
40.500	0.00	2.28	4.971	IO					8.51	45.667	0.00	2.11	4.034	IO					7.42
40.583	0.00	2.28	4.955	IO					8.49	45.750	0.00	2.10	4.019	IO					7.40
40.667	0.00	2.28	4.940	IO					8.47	45.833	0.00	2.10	4.005	IO					7.38
40.750	0.00	2.27	4.924	IO					8.45	45.917	0.00	2.10	3.990	IO					7.37
40.833	0.00	2.27	4.908	IO					8.44	46.000	0.00	2.10	3.976	IO					7.35
40.917	0.00	2.27	4.893	IO					8.42	46.083	0.00	2.09	3.961	IO					7.33
41.000	0.00	2.26	4.877	IO					8.40	46.167	0.00	2.09	3.947	IO					7.31
41.083	0.00	2.26	4.861	IO					8.39	46.250	0.00	2.09	3.933	IO					7.30
41.167	0.00	2.26	4.846	IO					8.37	46.333	0.00	2.08	3.918	IO					7.28
41.250	0.00	2.26	4.830	IO					8.35	46.417	0.00	2.08	3.904	IO					7.26
41.333	0.00	2.25	4.815	IO					8.33	46.500	0.00	2.08	3.890	IO					7.24
41.417	0.00	2.25	4.799	IO					8.32	46.583	0.00	2.08	3.875	IO					7.23
41.500	0.00	2.25	4.784	IO					8.30	46.667	0.00	2.07	3.861	IO					7.21
41.583	0.00	2.25	4.768	IO					8.28	46.750	0.00	2.07	3.847	IO					7.19
41.667	0.00	2.24	4.753	IO					8.27	46.833	0.00	2.07	3.832	IO					7.18
41.750	0.00	2.24	4.737	IO					8.25	46.917	0.00	2.07	3.818	IO					7.16
41.833	0.00	2.24	4.722	IO					8.23	47.000	0.00	2.06	3.804	IO					7.14
41.917	0.00	2.23	4.707	IO					8.21	47.083	0.00	2.06	3.790	IO					7.12
42.000	0.00	2.23	4.691	IO					8.20	47.167	0.00	2.06	3.776	IO					7.11
42.083	0.00	2.23	4.676	IO					8.18	47.250	0.00	2.05	3.762	IO					7.09
42.167	0.00	2.23	4.661	IO					8.16	47.333	0.00	2.05	3.747	IO					7.07
42.250	0.00	2.22	4.645	IO					8.15	47.417	0.00	2.05	3.733	IO					7.05
42.333	0.00	2.22	4.630	IO					8.13	47.500	0.00	2.05	3.719	IO					7.04
42.417	0.00	2.22	4.615	IO					8.11	47.583	0.00	2.04	3.705	IO					7.02
42.500	0.00	2.22	4.599	IO					8.10	47.667	0.00	2.04	3.691	IO					7.00

47.750	0.00	2.04	3.677	IO	|	|	|	|	6.99	52.917	0.00	1.82	2.853	IO	|	|	|	|	5.87
47.833	0.00	2.03	3.663	IO	|	|	|	|	6.97	53.000	0.00	1.82	2.840	IO	|	|	|	|	5.85
47.917	0.00	2.03	3.649	IO	|	|	|	|	6.95	53.083	0.00	1.82	2.828	IO	|	|	|	|	5.83
48.000	0.00	2.03	3.635	IO	|	|	|	|	6.93	53.167	0.00	1.81	2.815	IO	|	|	|	|	5.81
48.083	0.00	2.02	3.621	IO	|	|	|	|	6.91	53.250	0.00	1.81	2.803	IO	|	|	|	|	5.79
48.167	0.00	2.02	3.607	IO	|	|	|	|	6.89	53.333	0.00	1.80	2.790	IO	|	|	|	|	5.77
48.250	0.00	2.02	3.593	IO	|	|	|	|	6.87	53.417	0.00	1.80	2.778	IO	|	|	|	|	5.76
48.333	0.00	2.01	3.579	IO	|	|	|	|	6.85	53.500	0.00	1.80	2.766	IO	|	|	|	|	5.74
48.417	0.00	2.01	3.566	IO	|	|	|	|	6.84	53.583	0.00	1.79	2.753	IO	|	|	|	|	5.72
48.500	0.00	2.01	3.552	IO	|	|	|	|	6.82	53.667	0.00	1.79	2.741	IO	|	|	|	|	5.70
48.583	0.00	2.00	3.538	IO	|	|	|	|	6.80	53.750	0.00	1.79	2.729	IO	|	|	|	|	5.68
48.667	0.00	2.00	3.524	IO	|	|	|	|	6.78	53.833	0.00	1.78	2.716	IO	|	|	|	|	5.66
48.750	0.00	1.99	3.510	IO	|	|	|	|	6.76	53.917	0.00	1.78	2.704	IO	|	|	|	|	5.64
48.833	0.00	1.99	3.497	IO	|	|	|	|	6.74	54.000	0.00	1.78	2.692	IO	|	|	|	|	5.63
48.917	0.00	1.99	3.483	IO	|	|	|	|	6.73	54.083	0.00	1.77	2.680	IO	|	|	|	|	5.61
49.000	0.00	1.98	3.469	IO	|	|	|	|	6.71	54.167	0.00	1.77	2.667	IO	|	|	|	|	5.59
49.083	0.00	1.98	3.456	IO	|	|	|	|	6.69	54.250	0.00	1.76	2.655	IO	|	|	|	|	5.57
49.167	0.00	1.98	3.442	IO	|	|	|	|	6.67	54.333	0.00	1.76	2.643	IO	|	|	|	|	5.55
49.250	0.00	1.97	3.428	IO	|	|	|	|	6.65	54.417	0.00	1.76	2.631	IO	|	|	|	|	5.54
49.333	0.00	1.97	3.415	IO	|	|	|	|	6.63	54.500	0.00	1.75	2.619	IO	|	|	|	|	5.52
49.417	0.00	1.97	3.401	IO	|	|	|	|	6.62	54.583	0.00	1.75	2.607	IO	|	|	|	|	5.50
49.500	0.00	1.96	3.388	IO	|	|	|	|	6.60	54.667	0.00	1.75	2.595	IO	|	|	|	|	5.48
49.583	0.00	1.96	3.374	IO	|	|	|	|	6.58	54.750	0.00	1.74	2.583	IO	|	|	|	|	5.46
49.667	0.00	1.96	3.361	IO	|	|	|	|	6.56	54.833	0.00	1.74	2.571	IO	|	|	|	|	5.45
49.750	0.00	1.95	3.347	IO	|	|	|	|	6.54	54.917	0.00	1.74	2.559	IO	|	|	|	|	5.43
49.833	0.00	1.95	3.334	IO	|	|	|	|	6.53	55.000	0.00	1.73	2.547	IO	|	|	|	|	5.41
49.917	0.00	1.95	3.320	IO	|	|	|	|	6.51	55.083	0.00	1.73	2.535	IO	|	|	|	|	5.39
50.000	0.00	1.94	3.307	IO	|	|	|	|	6.49	55.167	0.00	1.72	2.523	IO	|	|	|	|	5.37
50.083	0.00	1.94	3.294	IO	|	|	|	|	6.47	55.250	0.00	1.72	2.511	IO	|	|	|	|	5.36
50.167	0.00	1.94	3.280	IO	|	|	|	|	6.45	55.333	0.00	1.72	2.499	IO	|	|	|	|	5.34
50.250	0.00	1.93	3.267	IO	|	|	|	|	6.44	55.417	0.00	1.71	2.487	IO	|	|	|	|	5.32
50.333	0.00	1.93	3.254	IO	|	|	|	|	6.42	55.500	0.00	1.71	2.476	IO	|	|	|	|	5.30
50.417	0.00	1.93	3.240	IO	|	|	|	|	6.40	55.583	0.00	1.71	2.464	IO	|	|	|	|	5.29
50.500	0.00	1.92	3.227	IO	|	|	|	|	6.38	55.667	0.00	1.70	2.452	IO	|	|	|	|	5.27
50.583	0.00	1.92	3.214	IO	|	|	|	|	6.36	55.750	0.00	1.70	2.440	IO	|	|	|	|	5.25
50.667	0.00	1.92	3.201	IO	|	|	|	|	6.35	55.833	0.00	1.70	2.429	IO	|	|	|	|	5.23
50.750	0.00	1.91	3.187	IO	|	|	|	|	6.33	55.917	0.00	1.69	2.417	IO	|	|	|	|	5.22
50.833	0.00	1.91	3.174	IO	|	|	|	|	6.31	56.000	0.00	1.69	2.405	IO	|	|	|	|	5.20
50.917	0.00	1.91	3.161	IO	|	|	|	|	6.29	56.083	0.00	1.69	2.394	IO	|	|	|	|	5.18
51.000	0.00	1.90	3.148	IO	|	|	|	|	6.28	56.167	0.00	1.68	2.382	IO	|	|	|	|	5.16
51.083	0.00	1.90	3.135	IO	|	|	|	|	6.26	56.250	0.00	1.68	2.371	IO	|	|	|	|	5.15
51.167	0.00	1.90	3.122	IO	|	|	|	|	6.24	56.333	0.00	1.68	2.359	IO	|	|	|	|	5.13
51.250	0.00	1.89	3.109	IO	|	|	|	|	6.22	56.417	0.00	1.67	2.348	IO	|	|	|	|	5.11
51.333	0.00	1.89	3.096	IO	|	|	|	|	6.21	56.500	0.00	1.67	2.336	IO	|	|	|	|	5.10
51.417	0.00	1.89	3.083	IO	|	|	|	|	6.19	56.583	0.00	1.67	2.325	IO	|	|	|	|	5.08
51.500	0.00	1.88	3.070	IO	|	|	|	|	6.17	56.667	0.00	1.66	2.313	IO	|	|	|	|	5.06
51.583	0.00	1.88	3.057	IO	|	|	|	|	6.15	56.750	0.00	1.66	2.302	IO	|	|	|	|	5.04
51.667	0.00	1.88	3.044	IO	|	|	|	|	6.14	56.833	0.00	1.66	2.290	IO	|	|	|	|	5.03
51.750	0.00	1.87	3.031	IO	|	|	|	|	6.12	56.917	0.00	1.65	2.279	IO	|	|	|	|	5.01
51.833	0.00	1.87	3.018	IO	|	|	|	|	6.10	57.000	0.00	1.65	2.267	IO	|	|	|	|	4.99
51.917	0.00	1.87	3.005	IO	|	|	|	|	6.08	57.083	0.00	1.64	2.256	IO	|	|	|	|	4.97
52.000	0.00	1.86	2.992	IO	|	|	|	|	6.07	57.167	0.00	1.64	2.245	IO	|	|	|	|	4.95
52.083	0.00	1.86	2.980	IO	|	|	|	|	6.05	57.250	0.00	1.63	2.234	IO	|	|	|	|	4.94
52.167	0.00	1.86	2.967	IO	|	|	|	|	6.03	57.333	0.00	1.63	2.222	IO	|	|	|	|	4.92
52.250	0.00	1.85	2.954	IO	|	|	|	|	6.02	57.417	0.00	1.63	2.211	IO	|	|	|	|	4.90
52.333	0.00	1.85	2.941	IO	|	|	|	|	6.00	57.500	0.00	1.62	2.200	IO	|	|	|	|	4.88
52.417	0.00	1.85	2.929	IO	|	|	|	|	5.98	57.583	0.00	1.62	2.189	IO	|	|	|	|	4.86
52.500	0.00	1.84	2.916	IO	|	|	|	|	5.96	57.667	0.00	1.61	2.178	IO	|	|	|	|	4.84
52.583	0.00	1.84	2.903	IO	|	|	|	|	5.94	57.750	0.00	1.61	2.167	IO	|	|	|	|	4.82
52.667	0.00	1.83	2.891	IO	|	|	|	|	5.92	57.833	0.00	1.60	2.156	IO	|	|	|	|	4.80
52.750	0.00	1.83	2.878	IO	|	|	|	|	5.90	57.917	0.00	1.60	2.144	IO	|	|	|	|	4.79
52.833	0.00	1.83	2.865	IO	|	|	|	|	5.89	58.000	0.00	1.59	2.134	IO	|	|	|	|	4.77

58.083	0.00	1.59	2.123	IO					4.75	63.250	0.00	1.31	1.501	IO					3.66
58.167	0.00	1.59	2.112	IO					4.73	63.333	0.00	1.31	1.492	IO					3.64
58.250	0.00	1.58	2.101	IO					4.71	63.417	0.00	1.30	1.483	IO					3.63
58.333	0.00	1.58	2.090	IO					4.69	63.500	0.00	1.30	1.474	IO					3.61
58.417	0.00	1.57	2.079	IO					4.68	63.583	0.00	1.29	1.465	IO					3.59
58.500	0.00	1.57	2.068	IO					4.66	63.667	0.00	1.29	1.456	IO					3.58
58.583	0.00	1.56	2.057	IO					4.64	63.750	0.00	1.28	1.447	IO					3.56
58.667	0.00	1.56	2.047	IO					4.62	63.833	0.00	1.28	1.438	IO					3.54
58.750	0.00	1.55	2.036	IO					4.60	63.917	0.00	1.27	1.430	IO					3.53
58.833	0.00	1.55	2.025	IO					4.59	64.000	0.00	1.27	1.421	IO					3.51
58.917	0.00	1.55	2.015	IO					4.57	64.083	0.00	1.26	1.412	IO					3.49
59.000	0.00	1.54	2.004	IO					4.55	64.167	0.00	1.26	1.403	IO					3.48
59.083	0.00	1.54	1.993	IO					4.53	64.250	0.00	1.25	1.395	IO					3.46
59.167	0.00	1.53	1.983	IO					4.51	64.333	0.00	1.25	1.386	IO					3.44
59.250	0.00	1.53	1.972	IO					4.50	64.417	0.00	1.24	1.378	IO					3.43
59.333	0.00	1.52	1.962	IO					4.48	64.500	0.00	1.24	1.369	IO					3.41
59.417	0.00	1.52	1.951	IO					4.46	64.583	0.00	1.23	1.360	IO					3.39
59.500	0.00	1.52	1.941	IO					4.44	64.667	0.00	1.23	1.352	IO					3.38
59.583	0.00	1.51	1.930	IO					4.43	64.750	0.00	1.22	1.344	IO					3.36
59.667	0.00	1.51	1.920	IO					4.41	64.833	0.00	1.22	1.335	IO					3.35
59.750	0.00	1.50	1.910	IO					4.39	64.917	0.00	1.22	1.327	IO					3.33
59.833	0.00	1.50	1.899	IO					4.37	65.000	0.00	1.21	1.318	IO					3.31
59.917	0.00	1.50	1.889	IO					4.36	65.083	0.00	1.21	1.310	IO					3.30
60.000	0.00	1.49	1.879	IO					4.34	65.167	0.00	1.20	1.302	IO					3.28
60.083	0.00	1.49	1.868	IO					4.32	65.250	0.00	1.20	1.293	IO					3.27
60.167	0.00	1.48	1.858	IO					4.30	65.333	0.00	1.19	1.285	IO					3.25
60.250	0.00	1.48	1.848	IO					4.29	65.417	0.00	1.19	1.277	IO					3.23
60.333	0.00	1.47	1.838	IO					4.27	65.500	0.00	1.18	1.269	IO					3.22
60.417	0.00	1.47	1.828	IO					4.25	65.583	0.00	1.18	1.261	O					3.20
60.500	0.00	1.47	1.817	IO					4.24	65.667	0.00	1.17	1.253	O					3.19
60.583	0.00	1.46	1.807	IO					4.22	65.750	0.00	1.17	1.245	O					3.17
60.667	0.00	1.46	1.797	IO					4.20	65.833	0.00	1.17	1.237	O					3.16
60.750	0.00	1.45	1.787	IO					4.19	65.917	0.00	1.16	1.229	O					3.14
60.833	0.00	1.45	1.777	IO					4.17	66.000	0.00	1.16	1.221	O					3.13
60.917	0.00	1.45	1.767	IO					4.15	66.083	0.00	1.15	1.213	O					3.11
61.000	0.00	1.44	1.757	IO					4.14	66.167	0.00	1.15	1.205	O					3.10
61.083	0.00	1.44	1.747	IO					4.12	66.250	0.00	1.14	1.197	O					3.08
61.167	0.00	1.43	1.738	IO					4.10	66.333	0.00	1.14	1.189	O					3.07
61.250	0.00	1.43	1.728	IO					4.09	66.417	0.00	1.13	1.181	O					3.05
61.333	0.00	1.43	1.718	IO					4.07	66.500	0.00	1.13	1.173	O					3.04
61.417	0.00	1.42	1.708	IO					4.05	66.583	0.00	1.13	1.166	O					3.02
61.500	0.00	1.42	1.698	IO					4.04	66.667	0.00	1.12	1.158	O					3.01
61.583	0.00	1.41	1.689	IO					4.02	66.750	0.00	1.11	1.150	O					2.99
61.667	0.00	1.41	1.679	IO					4.00	66.833	0.00	1.11	1.142	O					2.97
61.750	0.00	1.41	1.669	IO					3.98	66.917	0.00	1.10	1.135	O					2.96
61.833	0.00	1.40	1.659	IO					3.97	67.000	0.00	1.09	1.127	O					2.94
61.917	0.00	1.39	1.650	IO					3.95	67.083	0.00	1.08	1.120	O					2.92
62.000	0.00	1.39	1.640	IO					3.93	67.167	0.00	1.07	1.113	O					2.91
62.083	0.00	1.38	1.631	IO					3.91	67.250	0.00	1.06	1.105	O					2.89
62.167	0.00	1.38	1.621	IO					3.89	67.333	0.00	1.05	1.098	O					2.87
62.250	0.00	1.37	1.612	IO					3.87	67.417	0.00	1.04	1.091	O					2.86
62.333	0.00	1.37	1.602	IO					3.86	67.500	0.00	1.03	1.084	O					2.84
62.417	0.00	1.36	1.593	IO					3.84	67.583	0.00	1.03	1.076	O					2.83
62.500	0.00	1.36	1.583	IO					3.82	67.667	0.00	1.02	1.069	O					2.81
62.583	0.00	1.35	1.574	IO					3.80	67.750	0.00	1.01	1.062	O					2.80
62.667	0.00	1.35	1.565	IO					3.79	67.833	0.00	1.00	1.056	O					2.78
62.750	0.00	1.34	1.556	IO					3.77	67.917	0.00	0.99	1.049	O					2.76
62.833	0.00	1.34	1.546	IO					3.75	68.000	0.00	0.98	1.042	O					2.75
62.917	0.00	1.33	1.537	IO					3.73	68.083	0.00	0.98	1.035	O					2.73
63.000	0.00	1.33	1.528	IO					3.71	68.167	0.00	0.97	1.028	O					2.72
63.083	0.00	1.32	1.519	IO					3.70	68.250	0.00	0.96	1.022	O					2.71
63.167	0.00	1.32	1.510	IO					3.68	68.333	0.00	0.95	1.015	O					2.69

68.417	0.00	0.95	1.009	O					2.68	73.583	0.00	0.58	0.692	O					1.97
68.500	0.00	0.94	1.002	O					2.66	73.667	0.00	0.57	0.688	O					1.96
68.583	0.00	0.93	0.996	O					2.65	73.750	0.00	0.57	0.685	O					1.95
68.667	0.00	0.92	0.989	O					2.63	73.833	0.00	0.57	0.681	O					1.94
68.750	0.00	0.91	0.983	O					2.62	73.917	0.00	0.57	0.677	O					1.93
68.833	0.00	0.91	0.977	O					2.61	74.000	0.00	0.57	0.673	O					1.92
68.917	0.00	0.90	0.971	O					2.59	74.083	0.00	0.56	0.669	O					1.91
69.000	0.00	0.89	0.964	O					2.58	74.167	0.00	0.56	0.665	O					1.90
69.083	0.00	0.88	0.958	O					2.56	74.250	0.00	0.56	0.661	O					1.89
69.167	0.00	0.88	0.952	O					2.55	74.333	0.00	0.56	0.657	O					1.88
69.250	0.00	0.87	0.946	O					2.54	74.417	0.00	0.56	0.653	O					1.87
69.333	0.00	0.86	0.940	O					2.52	74.500	0.00	0.55	0.650	O					1.86
69.417	0.00	0.86	0.934	O					2.51	74.583	0.00	0.55	0.646	O					1.85
69.500	0.00	0.85	0.928	O					2.50	74.667	0.00	0.55	0.642	O					1.84
69.583	0.00	0.84	0.923	O					2.49	74.750	0.00	0.55	0.638	O					1.83
69.667	0.00	0.84	0.917	O					2.47	74.833	0.00	0.55	0.634	O					1.82
69.750	0.00	0.83	0.911	O					2.46	74.917	0.00	0.55	0.631	O					1.81
69.833	0.00	0.82	0.905	O					2.45	75.000	0.00	0.54	0.627	O					1.80
69.917	0.00	0.82	0.900	O					2.44	75.083	0.00	0.54	0.623	O					1.79
70.000	0.00	0.81	0.894	O					2.42	75.167	0.00	0.54	0.619	O					1.78
70.083	0.00	0.80	0.889	O					2.41	75.250	0.00	0.54	0.616	O					1.77
70.167	0.00	0.80	0.883	O					2.40	75.333	0.00	0.54	0.612	O					1.76
70.250	0.00	0.79	0.878	O					2.39	75.417	0.00	0.54	0.608	O					1.75
70.333	0.00	0.78	0.872	O					2.37	75.500	0.00	0.53	0.605	O					1.74
70.417	0.00	0.78	0.867	O					2.36	75.583	0.00	0.53	0.601	O					1.73
70.500	0.00	0.77	0.862	O					2.35	75.667	0.00	0.53	0.597	O					1.72
70.583	0.00	0.76	0.856	O					2.34	75.750	0.00	0.53	0.594	O					1.72
70.667	0.00	0.76	0.851	O					2.33	75.833	0.00	0.53	0.590	O					1.71
70.750	0.00	0.75	0.846	O					2.32	75.917	0.00	0.53	0.586	O					1.70
70.833	0.00	0.74	0.841	O					2.30	76.000	0.00	0.52	0.583	O					1.69
70.917	0.00	0.74	0.836	O					2.29	76.083	0.00	0.52	0.579	O					1.68
71.000	0.00	0.73	0.831	O					2.28	76.167	0.00	0.52	0.576	O					1.67
71.083	0.00	0.73	0.825	O					2.27	76.250	0.00	0.52	0.572	O					1.66
71.167	0.00	0.72	0.821	O					2.26	76.333	0.00	0.52	0.568	O					1.65
71.250	0.00	0.71	0.816	O					2.25	76.417	0.00	0.52	0.565	O					1.64
71.333	0.00	0.71	0.811	O					2.24	76.500	0.00	0.51	0.561	O					1.63
71.417	0.00	0.70	0.806	O					2.23	76.583	0.00	0.51	0.558	O					1.62
71.500	0.00	0.70	0.801	O					2.22	76.667	0.00	0.51	0.554	O					1.61
71.583	0.00	0.69	0.796	O					2.21	76.750	0.00	0.51	0.551	O					1.60
71.667	0.00	0.69	0.791	O					2.20	76.833	0.00	0.51	0.547	O					1.59
71.750	0.00	0.68	0.787	O					2.19	76.917	0.00	0.51	0.544	O					1.59
71.833	0.00	0.67	0.782	O					2.17	77.000	0.00	0.50	0.540	O					1.58
71.917	0.00	0.67	0.777	O					2.16	77.083	0.00	0.50	0.537	O					1.57
72.000	0.00	0.66	0.773	O					2.15	77.167	0.00	0.50	0.533	O					1.56
72.083	0.00	0.66	0.768	O					2.14	77.250	0.00	0.50	0.530	O					1.55
72.167	0.00	0.65	0.764	O					2.13	77.333	0.00	0.50	0.527	O					1.54
72.250	0.00	0.65	0.759	O					2.12	77.417	0.00	0.50	0.523	O					1.53
72.333	0.00	0.64	0.755	O					2.11	77.500	0.00	0.49	0.520	O					1.52
72.417	0.00	0.64	0.750	O					2.11	77.583	0.00	0.49	0.516	O					1.51
72.500	0.00	0.63	0.746	O					2.10	77.667	0.00	0.49	0.513	O					1.51
72.583	0.00	0.63	0.742	O					2.09	77.750	0.00	0.49	0.510	O					1.50
72.667	0.00	0.62	0.737	O					2.08	77.833	0.00	0.49	0.506	O					1.49
72.750	0.00	0.62	0.733	O					2.07	77.917	0.00	0.49	0.503	O					1.48
72.833	0.00	0.61	0.729	O					2.06	78.000	0.00	0.48	0.500	O					1.47
72.917	0.00	0.61	0.725	O					2.05	78.083	0.00	0.48	0.496	O					1.46
73.000	0.00	0.60	0.721	O					2.04	78.167	0.00	0.48	0.493	O					1.45
73.083	0.00	0.60	0.717	O					2.03	78.250	0.00	0.48	0.490	O					1.44
73.167	0.00	0.59	0.712	O					2.02	78.333	0.00	0.48	0.486	O					1.44
73.250	0.00	0.59	0.708	O					2.01	78.417	0.00	0.48	0.483	O					1.43
73.333	0.00	0.58	0.704	O					2.00	78.500	0.00	0.48	0.480	O					1.42
73.417	0.00	0.58	0.700	O					1.99	78.583	0.00	0.47	0.476	O					1.41
73.500	0.00	0.58	0.696	O					1.98	78.667	0.00	0.47	0.473	O					1.40

78.750	0.00	0.47	0.470	O					1.39	83.917	0.00	0.36	0.289	O					0.90
78.833	0.00	0.47	0.467	O					1.38	84.000	0.00	0.36	0.286	O					0.90
78.917	0.00	0.47	0.463	O					1.38	84.083	0.00	0.36	0.284	O					0.89
79.000	0.00	0.47	0.460	O					1.37	84.167	0.00	0.35	0.281	O					0.88
79.083	0.00	0.46	0.457	O					1.36	84.250	0.00	0.35	0.279	O					0.87
79.167	0.00	0.46	0.454	O					1.35	84.333	0.00	0.35	0.276	O					0.87
79.250	0.00	0.46	0.451	O					1.34	84.417	0.00	0.34	0.274	O					0.86
79.333	0.00	0.46	0.447	O					1.33	84.500	0.00	0.34	0.272	O					0.85
79.417	0.00	0.46	0.444	O					1.33	84.583	0.00	0.34	0.269	O					0.84
79.500	0.00	0.46	0.441	O					1.32	84.667	0.00	0.33	0.267	O					0.84
79.583	0.00	0.46	0.438	O					1.31	84.750	0.00	0.33	0.265	O					0.83
79.667	0.00	0.45	0.435	O					1.30	84.833	0.00	0.33	0.263	O					0.82
79.750	0.00	0.45	0.432	O					1.29	84.917	0.00	0.33	0.260	O					0.82
79.833	0.00	0.45	0.429	O					1.29	85.000	0.00	0.32	0.258	O					0.81
79.917	0.00	0.45	0.426	O					1.28	85.083	0.00	0.32	0.256	O					0.80
80.000	0.00	0.45	0.422	O					1.27	85.167	0.00	0.32	0.254	O					0.80
80.083	0.00	0.45	0.419	O					1.26	85.250	0.00	0.32	0.251	O					0.79
80.167	0.00	0.45	0.416	O					1.25	85.333	0.00	0.31	0.249	O					0.78
80.250	0.00	0.44	0.413	O					1.25	85.417	0.00	0.31	0.247	O					0.77
80.333	0.00	0.44	0.410	O					1.24	85.500	0.00	0.31	0.245	O					0.77
80.417	0.00	0.44	0.407	O					1.23	85.583	0.00	0.30	0.243	O					0.76
80.500	0.00	0.44	0.404	O					1.22	85.667	0.00	0.30	0.241	O					0.75
80.583	0.00	0.44	0.401	O					1.21	85.750	0.00	0.30	0.239	O					0.75
80.667	0.00	0.44	0.398	O					1.21	85.833	0.00	0.30	0.237	O					0.74
80.750	0.00	0.44	0.395	O					1.20	85.917	0.00	0.29	0.235	O					0.74
80.833	0.00	0.43	0.392	O					1.19	86.000	0.00	0.29	0.233	O					0.73
80.917	0.00	0.43	0.389	O					1.18	86.083	0.00	0.29	0.231	O					0.72
81.000	0.00	0.43	0.386	O					1.17	86.167	0.00	0.29	0.229	O					0.72
81.083	0.00	0.43	0.383	O					1.17	86.250	0.00	0.28	0.227	O					0.71
81.167	0.00	0.43	0.380	O					1.16	86.333	0.00	0.28	0.225	O					0.70
81.250	0.00	0.43	0.377	O					1.15	86.417	0.00	0.28	0.223	O					0.70
81.333	0.00	0.43	0.374	O					1.14	86.500	0.00	0.28	0.221	O					0.69
81.417	0.00	0.42	0.371	O					1.14	86.583	0.00	0.27	0.219	O					0.69
81.500	0.00	0.42	0.368	O					1.13	86.667	0.00	0.27	0.217	O					0.68
81.583	0.00	0.42	0.366	O					1.12	86.750	0.00	0.27	0.215	O					0.67
81.667	0.00	0.42	0.363	O					1.11	86.833	0.00	0.27	0.213	O					0.67
81.750	0.00	0.42	0.360	O					1.11	86.917	0.00	0.27	0.212	O					0.66
81.833	0.00	0.42	0.357	O					1.10	87.000	0.00	0.26	0.210	O					0.66
81.917	0.00	0.42	0.354	O					1.09	87.083	0.00	0.26	0.208	O					0.65
82.000	0.00	0.42	0.351	O					1.08	87.167	0.00	0.26	0.206	O					0.65
82.083	0.00	0.41	0.348	O					1.08	87.250	0.00	0.26	0.204	O					0.64
82.167	0.00	0.41	0.345	O					1.07	87.333	0.00	0.25	0.203	O					0.64
82.250	0.00	0.41	0.343	O					1.06	87.417	0.00	0.25	0.201	O					0.63
82.333	0.00	0.41	0.340	O					1.05	87.500	0.00	0.25	0.199	O					0.62
82.417	0.00	0.41	0.337	O					1.05	87.583	0.00	0.25	0.197	O					0.62
82.500	0.00	0.41	0.334	O					1.04	87.667	0.00	0.25	0.196	O					0.61
82.583	0.00	0.41	0.331	O					1.03	87.750	0.00	0.24	0.194	O					0.61
82.667	0.00	0.40	0.329	O					1.02	87.833	0.00	0.24	0.192	O					0.60
82.750	0.00	0.40	0.326	O					1.02	87.917	0.00	0.24	0.191	O					0.60
82.833	0.00	0.40	0.323	O					1.01	88.000	0.00	0.24	0.189	O					0.59
82.917	0.00	0.40	0.320	O					1.00	88.083	0.00	0.24	0.187	O					0.59
83.000	0.00	0.40	0.317	O					1.00	88.167	0.00	0.23	0.186	O					0.58
83.083	0.00	0.39	0.315	O					0.99	88.250	0.00	0.23	0.184	O					0.58
83.167	0.00	0.39	0.312	O					0.98	88.333	0.00	0.23	0.183	O					0.57
83.250	0.00	0.39	0.309	O					0.97	88.417	0.00	0.23	0.181	O					0.57
83.333	0.00	0.38	0.307	O					0.96	88.500	0.00	0.23	0.180	O					0.56
83.417	0.00	0.38	0.304	O					0.95	88.583	0.00	0.22	0.178	O					0.56
83.500	0.00	0.38	0.301	O					0.94	88.667	0.00	0.22	0.176	O					0.55
83.583	0.00	0.37	0.299	O					0.94	88.750	0.00	0.22	0.175	O					0.55
83.667	0.00	0.37	0.296	O					0.93	88.833	0.00	0.22	0.173	O					0.54
83.750	0.00	0.37	0.294	O					0.92	88.917	0.00	0.22	0.172	O					0.54
83.833	0.00	0.37	0.291	O					0.91	89.000	0.00	0.21	0.170	O					0.53

89.083	0.00	0.21	0.169	O	|	|	|	|	0.53	94.250	0.00	0.12	0.099	O	|	|	|	|	0.31
89.167	0.00	0.21	0.168	O	|	|	|	|	0.53	94.333	0.00	0.12	0.098	O	|	|	|	|	0.31
89.250	0.00	0.21	0.166	O	|	|	|	|	0.52	94.417	0.00	0.12	0.097	O	|	|	|	|	0.30
89.333	0.00	0.21	0.165	O	|	|	|	|	0.52	94.500	0.00	0.12	0.096	O	|	|	|	|	0.30
89.417	0.00	0.20	0.163	O	|	|	|	|	0.51	94.583	0.00	0.12	0.096	O	|	|	|	|	0.30
89.500	0.00	0.20	0.162	O	|	|	|	|	0.51	94.667	0.00	0.12	0.095	O	|	|	|	|	0.30
89.583	0.00	0.20	0.160	O	|	|	|	|	0.50	94.750	0.00	0.12	0.094	O	|	|	|	|	0.29
89.667	0.00	0.20	0.159	O	|	|	|	|	0.50	94.833	0.00	0.12	0.093	O	|	|	|	|	0.29
89.750	0.00	0.20	0.158	O	|	|	|	|	0.49	94.917	0.00	0.12	0.092	O	|	|	|	|	0.29
89.833	0.00	0.20	0.156	O	|	|	|	|	0.49	95.000	0.00	0.11	0.092	O	|	|	|	|	0.29
89.917	0.00	0.19	0.155	O	|	|	|	|	0.49	95.083	0.00	0.11	0.091	O	|	|	|	|	0.28
90.000	0.00	0.19	0.154	O	|	|	|	|	0.48	95.167	0.00	0.11	0.090	O	|	|	|	|	0.28
90.083	0.00	0.19	0.152	O	|	|	|	|	0.48	95.250	0.00	0.11	0.089	O	|	|	|	|	0.28
90.167	0.00	0.19	0.151	O	|	|	|	|	0.47	95.333	0.00	0.11	0.088	O	|	|	|	|	0.28
90.250	0.00	0.19	0.150	O	|	|	|	|	0.47	95.417	0.00	0.11	0.088	O	|	|	|	|	0.27
90.333	0.00	0.19	0.148	O	|	|	|	|	0.47	95.500	0.00	0.11	0.087	O	|	|	|	|	0.27
90.417	0.00	0.18	0.147	O	|	|	|	|	0.46	95.583	0.00	0.11	0.086	O	|	|	|	|	0.27
90.500	0.00	0.18	0.146	O	|	|	|	|	0.46	95.667	0.00	0.11	0.085	O	|	|	|	|	0.27
90.583	0.00	0.18	0.145	O	|	|	|	|	0.45	95.750	0.00	0.11	0.085	O	|	|	|	|	0.27
90.667	0.00	0.18	0.143	O	|	|	|	|	0.45	95.833	0.00	0.11	0.084	O	|	|	|	|	0.26
90.750	0.00	0.18	0.142	O	|	|	|	|	0.45	95.917	0.00	0.10	0.083	O	|	|	|	|	0.26
90.833	0.00	0.18	0.141	O	|	|	|	|	0.44	96.000	0.00	0.10	0.083	O	|	|	|	|	0.26
90.917	0.00	0.18	0.140	O	|	|	|	|	0.44	96.083	0.00	0.10	0.082	O	|	|	|	|	0.26
91.000	0.00	0.17	0.139	O	|	|	|	|	0.43	96.167	0.00	0.10	0.081	O	|	|	|	|	0.25
91.083	0.00	0.17	0.137	O	|	|	|	|	0.43	96.250	0.00	0.10	0.080	O	|	|	|	|	0.25
91.167	0.00	0.17	0.136	O	|	|	|	|	0.43	96.333	0.00	0.10	0.080	O	|	|	|	|	0.25
91.250	0.00	0.17	0.135	O	|	|	|	|	0.42	96.417	0.00	0.10	0.079	O	|	|	|	|	0.25
91.333	0.00	0.17	0.134	O	|	|	|	|	0.42	96.500	0.00	0.10	0.078	O	|	|	|	|	0.25
91.417	0.00	0.17	0.133	O	|	|	|	|	0.42	96.583	0.00	0.10	0.078	O	|	|	|	|	0.24
91.500	0.00	0.16	0.132	O	|	|	|	|	0.41	96.667	0.00	0.10	0.077	O	|	|	|	|	0.24
91.583	0.00	0.16	0.130	O	|	|	|	|	0.41	96.750	0.00	0.10	0.076	O	|	|	|	|	0.24
91.667	0.00	0.16	0.129	O	|	|	|	|	0.41	96.833	0.00	0.09	0.076	O	|	|	|	|	0.24
91.750	0.00	0.16	0.128	O	|	|	|	|	0.40	96.917	0.00	0.09	0.075	O	|	|	|	|	0.24
91.833	0.00	0.16	0.127	O	|	|	|	|	0.40	97.000	0.00	0.09	0.074	O	|	|	|	|	0.23
91.917	0.00	0.16	0.126	O	|	|	|	|	0.39	97.083	0.00	0.09	0.074	O	|	|	|	|	0.23
92.000	0.00	0.16	0.125	O	|	|	|	|	0.39	97.167	0.00	0.09	0.073	O	|	|	|	|	0.23
92.083	0.00	0.16	0.124	O	|	|	|	|	0.39	97.250	0.00	0.09	0.073	O	|	|	|	|	0.23
92.167	0.00	0.15	0.123	O	|	|	|	|	0.38	97.333	0.00	0.09	0.072	O	|	|	|	|	0.23
92.250	0.00	0.15	0.122	O	|	|	|	|	0.38	97.417	0.00	0.09	0.071	O	|	|	|	|	0.22
92.333	0.00	0.15	0.121	O	|	|	|	|	0.38	97.500	0.00	0.09	0.071	O	|	|	|	|	0.22
92.417	0.00	0.15	0.120	O	|	|	|	|	0.38	97.583	0.00	0.09	0.070	O	|	|	|	|	0.22
92.500	0.00	0.15	0.119	O	|	|	|	|	0.37	97.667	0.00	0.09	0.069	O	|	|	|	|	0.22
92.583	0.00	0.15	0.118	O	|	|	|	|	0.37	97.750	0.00	0.09	0.069	O	|	|	|	|	0.22
92.667	0.00	0.15	0.117	O	|	|	|	|	0.37	97.833	0.00	0.09	0.068	O	|	|	|	|	0.21
92.750	0.00	0.14	0.116	O	|	|	|	|	0.36	97.917	0.00	0.08	0.068	O	|	|	|	|	0.21
92.833	0.00	0.14	0.115	O	|	|	|	|	0.36	98.000	0.00	0.08	0.067	O	|	|	|	|	0.21
92.917	0.00	0.14	0.114	O	|	|	|	|	0.36	98.083	0.00	0.08	0.067	O	|	|	|	|	0.21
93.000	0.00	0.14	0.113	O	|	|	|	|	0.35	98.167	0.00	0.08	0.066	O	|	|	|	|	0.21
93.083	0.00	0.14	0.112	O	|	|	|	|	0.35	98.250	0.00	0.08	0.065	O	|	|	|	|	0.20
93.167	0.00	0.14	0.111	O	|	|	|	|	0.35	98.333	0.00	0.08	0.065	O	|	|	|	|	0.20
93.250	0.00	0.14	0.110	O	|	|	|	|	0.34	98.417	0.00	0.08	0.064	O	|	|	|	|	0.20
93.333	0.00	0.14	0.109	O	|	|	|	|	0.34	98.500	0.00	0.08	0.064	O	|	|	|	|	0.20
93.417	0.00	0.14	0.108	O	|	|	|	|	0.34	98.583	0.00	0.08	0.063	O	|	|	|	|	0.20
93.500	0.00	0.13	0.107	O	|	|	|	|	0.34	98.667	0.00	0.08	0.063	O	|	|	|	|	0.20
93.583	0.00	0.13	0.106	O	|	|	|	|	0.33	98.750	0.00	0.08	0.062	O	|	|	|	|	0.19
93.667	0.00	0.13	0.105	O	|	|	|	|	0.33	98.833	0.00	0.08	0.062	O	|	|	|	|	0.19
93.750	0.00	0.13	0.104	O	|	|	|	|	0.33	98.917	0.00	0.08	0.061	O	|	|	|	|	0.19
93.833	0.00	0.13	0.103	O	|	|	|	|	0.32	99.000	0.00	0.08	0.060	O	|	|	|	|	0.19
93.917	0.00	0.13	0.102	O	|	|	|	|	0.32	99.083	0.00	0.08	0.060	O	|	|	|	|	0.19
94.000	0.00	0.13	0.102	O	|	|	|	|	0.32	99.167	0.00	0.07	0.059	O	|	|	|	|	0.19
94.083	0.00	0.13	0.101	O	|	|	|	|	0.32	99.250	0.00	0.07	0.059	O	|	|	|	|	0.18
94.167	0.00	0.13	0.100	O	|	|	|	|	0.31	99.333	0.00	0.07	0.058	O	|	|	|	|	0.18

99.417	0.00	0.07	0.058	O					0.18	104.583	0.00	0.04	0.034	O					0.11
99.500	0.00	0.07	0.057	O					0.18	104.667	0.00	0.04	0.034	O					0.11
99.583	0.00	0.07	0.057	O					0.18	104.750	0.00	0.04	0.033	O					0.10
99.667	0.00	0.07	0.056	O					0.18	104.833	0.00	0.04	0.033	O					0.10
99.750	0.00	0.07	0.056	O					0.18	104.917	0.00	0.04	0.033	O					0.10
99.833	0.00	0.07	0.055	O					0.17	105.000	0.00	0.04	0.032	O					0.10
99.917	0.00	0.07	0.055	O					0.17	105.083	0.00	0.04	0.032	O					0.10
100.000	0.00	0.07	0.055	O					0.17	105.167	0.00	0.04	0.032	O					0.10
100.083	0.00	0.07	0.054	O					0.17	105.250	0.00	0.04	0.032	O					0.10
100.167	0.00	0.07	0.054	O					0.17	105.333	0.00	0.04	0.031	O					0.10
100.250	0.00	0.07	0.053	O					0.17	105.417	0.00	0.04	0.031	O					0.10
100.333	0.00	0.07	0.053	O					0.17	105.500	0.00	0.04	0.031	O					0.10
100.417	0.00	0.07	0.052	O					0.16	105.583	0.00	0.04	0.031	O					0.10
100.500	0.00	0.06	0.052	O					0.16	105.667	0.00	0.04	0.030	O					0.10
100.583	0.00	0.06	0.051	O					0.16	105.750	0.00	0.04	0.030	O					0.09
100.667	0.00	0.06	0.051	O					0.16	105.833	0.00	0.04	0.030	O					0.09
100.750	0.00	0.06	0.050	O					0.16	105.917	0.00	0.04	0.030	O					0.09
100.833	0.00	0.06	0.050	O					0.16	106.000	0.00	0.04	0.029	O					0.09
100.917	0.00	0.06	0.050	O					0.16	106.083	0.00	0.04	0.029	O					0.09
101.000	0.00	0.06	0.049	O					0.15	106.167	0.00	0.04	0.029	O					0.09
101.083	0.00	0.06	0.049	O					0.15	106.250	0.00	0.04	0.029	O					0.09
101.167	0.00	0.06	0.048	O					0.15	106.333	0.00	0.04	0.028	O					0.09
101.250	0.00	0.06	0.048	O					0.15	106.417	0.00	0.04	0.028	O					0.09
101.333	0.00	0.06	0.047	O					0.15	106.500	0.00	0.03	0.028	O					0.09
101.417	0.00	0.06	0.047	O					0.15	106.583	0.00	0.03	0.028	O					0.09
101.500	0.00	0.06	0.047	O					0.15	106.667	0.00	0.03	0.027	O					0.09
101.583	0.00	0.06	0.046	O					0.15	106.750	0.00	0.03	0.027	O					0.08
101.667	0.00	0.06	0.046	O					0.14	106.833	0.00	0.03	0.027	O					0.08
101.750	0.00	0.06	0.045	O					0.14	106.917	0.00	0.03	0.027	O					0.08
101.833	0.00	0.06	0.045	O					0.14	107.000	0.00	0.03	0.026	O					0.08
101.917	0.00	0.06	0.045	O					0.14	107.083	0.00	0.03	0.026	O					0.08
102.000	0.00	0.06	0.044	O					0.14	107.167	0.00	0.03	0.026	O					0.08
102.083	0.00	0.06	0.044	O					0.14	107.250	0.00	0.03	0.026	O					0.08
102.167	0.00	0.05	0.044	O					0.14	107.333	0.00	0.03	0.025	O					0.08
102.250	0.00	0.05	0.043	O					0.14	107.417	0.00	0.03	0.025	O					0.08
102.333	0.00	0.05	0.043	O					0.13	107.500	0.00	0.03	0.025	O					0.08
102.417	0.00	0.05	0.042	O					0.13	107.583	0.00	0.03	0.025	O					0.08
102.500	0.00	0.05	0.042	O					0.13	107.667	0.00	0.03	0.025	O					0.08
102.583	0.00	0.05	0.042	O					0.13	107.750	0.00	0.03	0.024	O					0.08
102.667	0.00	0.05	0.041	O					0.13	107.833	0.00	0.03	0.024	O					0.08
102.750	0.00	0.05	0.041	O					0.13	107.917	0.00	0.03	0.024	O					0.08
102.833	0.00	0.05	0.041	O					0.13	108.000	0.00	0.03	0.024	O					0.07
102.917	0.00	0.05	0.040	O					0.13	108.083	0.00	0.03	0.024	O					0.07
103.000	0.00	0.05	0.040	O					0.13	108.167	0.00	0.03	0.023	O					0.07
103.083	0.00	0.05	0.040	O					0.12	108.250	0.00	0.03	0.023	O					0.07
103.167	0.00	0.05	0.039	O					0.12	108.333	0.00	0.03	0.023	O					0.07
103.250	0.00	0.05	0.039	O					0.12	108.417	0.00	0.03	0.023	O					0.07
103.333	0.00	0.05	0.039	O					0.12	108.500	0.00	0.03	0.023	O					0.07
103.417	0.00	0.05	0.038	O					0.12	108.583	0.00	0.03	0.022	O					0.07
103.500	0.00	0.05	0.038	O					0.12	108.667	0.00	0.03	0.022	O					0.07
103.583	0.00	0.05	0.038	O					0.12	108.750	0.00	0.03	0.022	O					0.07
103.667	0.00	0.05	0.037	O					0.12	108.833	0.00	0.03	0.022	O					0.07
103.750	0.00	0.05	0.037	O					0.12	108.917	0.00	0.03	0.022	O					0.07
103.833	0.00	0.05	0.037	O					0.11	109.000	0.00	0.03	0.021	O					0.07
103.917	0.00	0.05	0.036	O					0.11	109.083	0.00	0.03	0.021	O					0.07
104.000	0.00	0.05	0.036	O					0.11	109.167	0.00	0.03	0.021	O					0.07
104.083	0.00	0.04	0.036	O					0.11	109.250	0.00	0.03	0.021	O					0.07
104.167	0.00	0.04	0.035	O					0.11	109.333	0.00	0.03	0.021	O					0.06
104.250	0.00	0.04	0.035	O					0.11	109.417	0.00	0.03	0.021	O					0.06
104.333	0.00	0.04	0.035	O					0.11	109.500	0.00	0.03	0.020	O					0.06
104.417	0.00	0.04	0.034	O					0.11	109.583	0.00	0.03	0.020	O					0.06
104.500	0.00	0.04	0.034	O					0.11	109.667	0.00	0.03	0.020	O					0.06

109.750	0.00	0.02	0.020	O	|	|	|	|	0.06	114.917	0.00	0.01	0.012	O	|	|	|	|	0.04
109.833	0.00	0.02	0.020	O	|	|	|	|	0.06	115.000	0.00	0.01	0.012	O	|	|	|	|	0.04
109.917	0.00	0.02	0.020	O	|	|	|	|	0.06	115.083	0.00	0.01	0.011	O	|	|	|	|	0.04
110.000	0.00	0.02	0.019	O	|	|	|	|	0.06	115.167	0.00	0.01	0.011	O	|	|	|	|	0.04
110.083	0.00	0.02	0.019	O	|	|	|	|	0.06	115.250	0.00	0.01	0.011	O	|	|	|	|	0.04
110.167	0.00	0.02	0.019	O	|	|	|	|	0.06	115.333	0.00	0.01	0.011	O	|	|	|	|	0.03
110.250	0.00	0.02	0.019	O	|	|	|	|	0.06	115.417	0.00	0.01	0.011	O	|	|	|	|	0.03
110.333	0.00	0.02	0.019	O	|	|	|	|	0.06	115.500	0.00	0.01	0.011	O	|	|	|	|	0.03
110.417	0.00	0.02	0.019	O	|	|	|	|	0.06	115.583	0.00	0.01	0.011	O	|	|	|	|	0.03
110.500	0.00	0.02	0.018	O	|	|	|	|	0.06	115.667	0.00	0.01	0.011	O	|	|	|	|	0.03
110.583	0.00	0.02	0.018	O	|	|	|	|	0.06	115.750	0.00	0.01	0.011	O	|	|	|	|	0.03
110.667	0.00	0.02	0.018	O	|	|	|	|	0.06	115.833	0.00	0.01	0.011	O	|	|	|	|	0.03
110.750	0.00	0.02	0.018	O	|	|	|	|	0.06	115.917	0.00	0.01	0.010	O	|	|	|	|	0.03
110.833	0.00	0.02	0.018	O	|	|	|	|	0.06	116.000	0.00	0.01	0.010	O	|	|	|	|	0.03
110.917	0.00	0.02	0.018	O	|	|	|	|	0.06	116.083	0.00	0.01	0.010	O	|	|	|	|	0.03
111.000	0.00	0.02	0.017	O	|	|	|	|	0.05	116.167	0.00	0.01	0.010	O	|	|	|	|	0.03
111.083	0.00	0.02	0.017	O	|	|	|	|	0.05	116.250	0.00	0.01	0.010	O	|	|	|	|	0.03
111.167	0.00	0.02	0.017	O	|	|	|	|	0.05	116.333	0.00	0.01	0.010	O	|	|	|	|	0.03
111.250	0.00	0.02	0.017	O	|	|	|	|	0.05	116.417	0.00	0.01	0.010	O	|	|	|	|	0.03
111.333	0.00	0.02	0.017	O	|	|	|	|	0.05	116.500	0.00	0.01	0.010	O	|	|	|	|	0.03
111.417	0.00	0.02	0.017	O	|	|	|	|	0.05	116.583	0.00	0.01	0.010	O	|	|	|	|	0.03
111.500	0.00	0.02	0.017	O	|	|	|	|	0.05	116.667	0.00	0.01	0.010	O	|	|	|	|	0.03
111.583	0.00	0.02	0.016	O	|	|	|	|	0.05	116.750	0.00	0.01	0.010	O	|	|	|	|	0.03
111.667	0.00	0.02	0.016	O	|	|	|	|	0.05	116.833	0.00	0.01	0.010	O	|	|	|	|	0.03
111.750	0.00	0.02	0.016	O	|	|	|	|	0.05	116.917	0.00	0.01	0.009	O	|	|	|	|	0.03
111.833	0.00	0.02	0.016	O	|	|	|	|	0.05	117.000	0.00	0.01	0.009	O	|	|	|	|	0.03
111.917	0.00	0.02	0.016	O	|	|	|	|	0.05	117.083	0.00	0.01	0.009	O	|	|	|	|	0.03
112.000	0.00	0.02	0.016	O	|	|	|	|	0.05	117.167	0.00	0.01	0.009	O	|	|	|	|	0.03
112.083	0.00	0.02	0.016	O	|	|	|	|	0.05	117.250	0.00	0.01	0.009	O	|	|	|	|	0.03
112.167	0.00	0.02	0.015	O	|	|	|	|	0.05	117.333	0.00	0.01	0.009	O	|	|	|	|	0.03
112.250	0.00	0.02	0.015	O	|	|	|	|	0.05	117.417	0.00	0.01	0.009	O	|	|	|	|	0.03
112.333	0.00	0.02	0.015	O	|	|	|	|	0.05	117.500	0.00	0.01	0.009	O	|	|	|	|	0.03
112.417	0.00	0.02	0.015	O	|	|	|	|	0.05	117.583	0.00	0.01	0.009	O	|	|	|	|	0.03
112.500	0.00	0.02	0.015	O	|	|	|	|	0.05	117.667	0.00	0.01	0.009	O	|	|	|	|	0.03
112.583	0.00	0.02	0.015	O	|	|	|	|	0.05	117.750	0.00	0.01	0.009	O	|	|	|	|	0.03
112.667	0.00	0.02	0.015	O	|	|	|	|	0.05	117.833	0.00	0.01	0.009	O	|	|	|	|	0.03
112.750	0.00	0.02	0.015	O	|	|	|	|	0.05	117.917	0.00	0.01	0.009	O	|	|	|	|	0.03
112.833	0.00	0.02	0.014	O	|	|	|	|	0.05	118.000	0.00	0.01	0.008	O	|	|	|	|	0.03
112.917	0.00	0.02	0.014	O	|	|	|	|	0.04	118.083	0.00	0.01	0.008	O	|	|	|	|	0.03
113.000	0.00	0.02	0.014	O	|	|	|	|	0.04	118.167	0.00	0.01	0.008	O	|	|	|	|	0.03
113.083	0.00	0.02	0.014	O	|	|	|	|	0.04	118.250	0.00	0.01	0.008	O	|	|	|	|	0.03
113.167	0.00	0.02	0.014	O	|	|	|	|	0.04	118.333	0.00	0.01	0.008	O	|	|	|	|	0.03
113.250	0.00	0.02	0.014	O	|	|	|	|	0.04	118.417	0.00	0.01	0.008	O	|	|	|	|	0.03
113.333	0.00	0.02	0.014	O	|	|	|	|	0.04	118.500	0.00	0.01	0.008	O	|	|	|	|	0.03
113.417	0.00	0.02	0.014	O	|	|	|	|	0.04	118.583	0.00	0.01	0.008	O	|	|	|	|	0.02
113.500	0.00	0.02	0.013	O	|	|	|	|	0.04	118.667	0.00	0.01	0.008	O	|	|	|	|	0.02
113.583	0.00	0.02	0.013	O	|	|	|	|	0.04	118.750	0.00	0.01	0.008	O	|	|	|	|	0.02
113.667	0.00	0.02	0.013	O	|	|	|	|	0.04	118.833	0.00	0.01	0.008	O	|	|	|	|	0.02
113.750	0.00	0.02	0.013	O	|	|	|	|	0.04	118.917	0.00	0.01	0.008	O	|	|	|	|	0.02
113.833	0.00	0.02	0.013	O	|	|	|	|	0.04	119.000	0.00	0.01	0.008	O	|	|	|	|	0.02
113.917	0.00	0.02	0.013	O	|	|	|	|	0.04	119.083	0.00	0.01	0.008	O	|	|	|	|	0.02
114.000	0.00	0.02	0.013	O	|	|	|	|	0.04	119.167	0.00	0.01	0.007	O	|	|	|	|	0.02
114.083	0.00	0.02	0.013	O	|	|	|	|	0.04	119.250	0.00	0.01	0.007	O	|	|	|	|	0.02
114.167	0.00	0.02	0.013	O	|	|	|	|	0.04	119.333	0.00	0.01	0.007	O	|	|	|	|	0.02
114.250	0.00	0.02	0.012	O	|	|	|	|	0.04	119.417	0.00	0.01	0.007	O	|	|	|	|	0.02
114.333	0.00	0.02	0.012	O	|	|	|	|	0.04	119.500	0.00	0.01	0.007	O	|	|	|	|	0.02
114.417	0.00	0.02	0.012	O	|	|	|	|	0.04	119.583	0.00	0.01	0.007	O	|	|	|	|	0.02
114.500	0.00	0.02	0.012	O	|	|	|	|	0.04	119.667	0.00	0.01	0.007	O	|	|	|	|	0.02
114.583	0.00	0.02	0.012	O	|	|	|	|	0.04	119.750	0.00	0.01	0.007	O	|	|	|	|	0.02
114.667	0.00	0.01	0.012	O	|	|	|	|	0.04	119.833	0.00	0.01	0.007	O	|	|	|	|	0.02
114.750	0.00	0.01	0.012	O	|	|	|	|	0.04	119.917	0.00	0.01	0.007	O	|	|	|	|	0.02
114.833	0.00	0.01	0.012	O	|	|	|	|	0.04	120.000	0.00	0.01	0.007	O	|	|	|	|	0.02

120.083	0.00	0.01	0.007	O					0.02	125.250	0.00	0.00	0.004	O					0.01
120.167	0.00	0.01	0.007	O					0.02	125.333	0.00	0.00	0.004	O					0.01
120.250	0.00	0.01	0.007	O					0.02	125.417	0.00	0.00	0.004	O					0.01
120.333	0.00	0.01	0.007	O					0.02	125.500	0.00	0.00	0.004	O					0.01
120.417	0.00	0.01	0.007	O					0.02	125.583	0.00	0.00	0.004	O					0.01
120.500	0.00	0.01	0.007	O					0.02	125.667	0.00	0.00	0.004	O					0.01
120.583	0.00	0.01	0.006	O					0.02	125.750	0.00	0.00	0.004	O					0.01
120.667	0.00	0.01	0.006	O					0.02	125.833	0.00	0.00	0.004	O					0.01
120.750	0.00	0.01	0.006	O					0.02	125.917	0.00	0.00	0.004	O					0.01
120.833	0.00	0.01	0.006	O					0.02	126.000	0.00	0.00	0.004	O					0.01
120.917	0.00	0.01	0.006	O					0.02	126.083	0.00	0.00	0.004	O					0.01
121.000	0.00	0.01	0.006	O					0.02	126.167	0.00	0.00	0.004	O					0.01
121.083	0.00	0.01	0.006	O					0.02	126.250	0.00	0.00	0.004	O					0.01
121.167	0.00	0.01	0.006	O					0.02	126.333	0.00	0.00	0.004	O					0.01
121.250	0.00	0.01	0.006	O					0.02	126.417	0.00	0.00	0.004	O					0.01
121.333	0.00	0.01	0.006	O					0.02	126.500	0.00	0.00	0.003	O					0.01
121.417	0.00	0.01	0.006	O					0.02	126.583	0.00	0.00	0.003	O					0.01
121.500	0.00	0.01	0.006	O					0.02	126.667	0.00	0.00	0.003	O					0.01
121.583	0.00	0.01	0.006	O					0.02	126.750	0.00	0.00	0.003	O					0.01
121.667	0.00	0.01	0.006	O					0.02	126.833	0.00	0.00	0.003	O					0.01
121.750	0.00	0.01	0.006	O					0.02	126.917	0.00	0.00	0.003	O					0.01
121.833	0.00	0.01	0.006	O					0.02	127.000	0.00	0.00	0.003	O					0.01
121.917	0.00	0.01	0.006	O					0.02	127.083	0.00	0.00	0.003	O					0.01
122.000	0.00	0.01	0.006	O					0.02	127.167	0.00	0.00	0.003	O					0.01
122.083	0.00	0.01	0.006	O					0.02	127.250	0.00	0.00	0.003	O					0.01
122.167	0.00	0.01	0.005	O					0.02	127.333	0.00	0.00	0.003	O					0.01
122.250	0.00	0.01	0.005	O					0.02	127.417	0.00	0.00	0.003	O					0.01
122.333	0.00	0.01	0.005	O					0.02	127.500	0.00	0.00	0.003	O					0.01
122.417	0.00	0.01	0.005	O					0.02	127.583	0.00	0.00	0.003	O					0.01
122.500	0.00	0.01	0.005	O					0.02	127.667	0.00	0.00	0.003	O					0.01
122.583	0.00	0.01	0.005	O					0.02	127.750	0.00	0.00	0.003	O					0.01
122.667	0.00	0.01	0.005	O					0.02	127.833	0.00	0.00	0.003	O					0.01
122.750	0.00	0.01	0.005	O					0.02	127.917	0.00	0.00	0.003	O					0.01
122.833	0.00	0.01	0.005	O					0.02	128.000	0.00	0.00	0.003	O					0.01
122.917	0.00	0.01	0.005	O					0.02	128.083	0.00	0.00	0.003	O					0.01
123.000	0.00	0.01	0.005	O					0.02	128.167	0.00	0.00	0.003	O					0.01
123.083	0.00	0.01	0.005	O					0.02	128.250	0.00	0.00	0.003	O					0.01
123.167	0.00	0.01	0.005	O					0.02	128.333	0.00	0.00	0.003	O					0.01
123.250	0.00	0.01	0.005	O					0.02	128.417	0.00	0.00	0.003	O					0.01
123.333	0.00	0.01	0.005	O					0.02	128.500	0.00	0.00	0.003	O					0.01
123.417	0.00	0.01	0.005	O					0.02	128.583	0.00	0.00	0.003	O					0.01
123.500	0.00	0.01	0.005	O					0.01	128.667	0.00	0.00	0.003	O					0.01
123.583	0.00	0.01	0.005	O					0.01	128.750	0.00	0.00	0.003	O					0.01
123.667	0.00	0.01	0.005	O					0.01	128.833	0.00	0.00	0.003	O					0.01
123.750	0.00	0.01	0.005	O					0.01	128.917	0.00	0.00	0.003	O					0.01
123.833	0.00	0.01	0.005	O					0.01	129.000	0.00	0.00	0.003	O					0.01
123.917	0.00	0.01	0.005	O					0.01	129.083	0.00	0.00	0.003	O					0.01
124.000	0.00	0.01	0.005	O					0.01	129.167	0.00	0.00	0.003	O					0.01
124.083	0.00	0.01	0.004	O					0.01	129.250	0.00	0.00	0.003	O					0.01
124.167	0.00	0.01	0.004	O					0.01	129.333	0.00	0.00	0.003	O					0.01
124.250	0.00	0.01	0.004	O					0.01	129.417	0.00	0.00	0.003	O					0.01
124.333	0.00	0.01	0.004	O					0.01	129.500	0.00	0.00	0.003	O					0.01
124.417	0.00	0.01	0.004	O					0.01	129.583	0.00	0.00	0.003	O					0.01
124.500	0.00	0.01	0.004	O					0.01	129.667	0.00	0.00	0.003	O					0.01
124.583	0.00	0.01	0.004	O					0.01	129.750	0.00	0.00	0.002	O					0.01
124.667	0.00	0.01	0.004	O					0.01	129.833	0.00	0.00	0.002	O					0.01
124.750	0.00	0.01	0.004	O					0.01	129.917	0.00	0.00	0.002	O					0.01
124.833	0.00	0.01	0.004	O					0.01	130.000	0.00	0.00	0.002	O					0.01
124.917	0.00	0.01	0.004	O					0.01	130.083	0.00	0.00	0.002	O					0.01
125.000	0.00	0.01	0.004	O					0.01	130.167	0.00	0.00	0.002	O					0.01
125.083	0.00	0.01	0.004	O					0.01	130.250	0.00	0.00	0.002	O					0.01
125.167	0.00	0.01	0.004	O					0.01	130.333	0.00	0.00	0.002	O					0.01

130.417	0.00	0.00	0.002	O	|	|	|	|	0.01	135.583	0.00	0.00	0.001	O	|	|	|	|	0.00
130.500	0.00	0.00	0.002	O	|	|	|	|	0.01	135.667	0.00	0.00	0.001	O	|	|	|	|	0.00
130.583	0.00	0.00	0.002	O	|	|	|	|	0.01	135.750	0.00	0.00	0.001	O	|	|	|	|	0.00
130.667	0.00	0.00	0.002	O	|	|	|	|	0.01	135.833	0.00	0.00	0.001	O	|	|	|	|	0.00
130.750	0.00	0.00	0.002	O	|	|	|	|	0.01	135.917	0.00	0.00	0.001	O	|	|	|	|	0.00
130.833	0.00	0.00	0.002	O	|	|	|	|	0.01	136.000	0.00	0.00	0.001	O	|	|	|	|	0.00
130.917	0.00	0.00	0.002	O	|	|	|	|	0.01	136.083	0.00	0.00	0.001	O	|	|	|	|	0.00
131.000	0.00	0.00	0.002	O	|	|	|	|	0.01	136.167	0.00	0.00	0.001	O	|	|	|	|	0.00
131.083	0.00	0.00	0.002	O	|	|	|	|	0.01	136.250	0.00	0.00	0.001	O	|	|	|	|	0.00
131.167	0.00	0.00	0.002	O	|	|	|	|	0.01	136.333	0.00	0.00	0.001	O	|	|	|	|	0.00
131.250	0.00	0.00	0.002	O	|	|	|	|	0.01	136.417	0.00	0.00	0.001	O	|	|	|	|	0.00
131.333	0.00	0.00	0.002	O	|	|	|	|	0.01	136.500	0.00	0.00	0.001	O	|	|	|	|	0.00
131.417	0.00	0.00	0.002	O	|	|	|	|	0.01	136.583	0.00	0.00	0.001	O	|	|	|	|	0.00
131.500	0.00	0.00	0.002	O	|	|	|	|	0.01	136.667	0.00	0.00	0.001	O	|	|	|	|	0.00
131.583	0.00	0.00	0.002	O	|	|	|	|	0.01	136.750	0.00	0.00	0.001	O	|	|	|	|	0.00
131.667	0.00	0.00	0.002	O	|	|	|	|	0.01	136.833	0.00	0.00	0.001	O	|	|	|	|	0.00
131.750	0.00	0.00	0.002	O	|	|	|	|	0.01	136.917	0.00	0.00	0.001	O	|	|	|	|	0.00
131.833	0.00	0.00	0.002	O	|	|	|	|	0.01	137.000	0.00	0.00	0.001	O	|	|	|	|	0.00
131.917	0.00	0.00	0.002	O	|	|	|	|	0.01	137.083	0.00	0.00	0.001	O	|	|	|	|	0.00
132.000	0.00	0.00	0.002	O	|	|	|	|	0.01	137.167	0.00	0.00	0.001	O	|	|	|	|	0.00
132.083	0.00	0.00	0.002	O	|	|	|	|	0.01	137.250	0.00	0.00	0.001	O	|	|	|	|	0.00
132.167	0.00	0.00	0.002	O	|	|	|	|	0.01	137.333	0.00	0.00	0.001	O	|	|	|	|	0.00
132.250	0.00	0.00	0.002	O	|	|	|	|	0.01	137.417	0.00	0.00	0.001	O	|	|	|	|	0.00
132.333	0.00	0.00	0.002	O	|	|	|	|	0.01	137.500	0.00	0.00	0.001	O	|	|	|	|	0.00
132.417	0.00	0.00	0.002	O	|	|	|	|	0.01	137.583	0.00	0.00	0.001	O	|	|	|	|	0.00
132.500	0.00	0.00	0.002	O	|	|	|	|	0.01	137.667	0.00	0.00	0.001	O	|	|	|	|	0.00
132.583	0.00	0.00	0.002	O	|	|	|	|	0.01	137.750	0.00	0.00	0.001	O	|	|	|	|	0.00
132.667	0.00	0.00	0.002	O	|	|	|	|	0.01	137.833	0.00	0.00	0.001	O	|	|	|	|	0.00
132.750	0.00	0.00	0.002	O	|	|	|	|	0.01	137.917	0.00	0.00	0.001	O	|	|	|	|	0.00
132.833	0.00	0.00	0.002	O	|	|	|	|	0.01	138.000	0.00	0.00	0.001	O	|	|	|	|	0.00
132.917	0.00	0.00	0.002	O	|	|	|	|	0.01	138.083	0.00	0.00	0.001	O	|	|	|	|	0.00
133.000	0.00	0.00	0.002	O	|	|	|	|	0.01	138.167	0.00	0.00	0.001	O	|	|	|	|	0.00
133.083	0.00	0.00	0.002	O	|	|	|	|	0.01	138.250	0.00	0.00	0.001	O	|	|	|	|	0.00
133.167	0.00	0.00	0.002	O	|	|	|	|	0.01	138.333	0.00	0.00	0.001	O	|	|	|	|	0.00
133.250	0.00	0.00	0.002	O	|	|	|	|	0.01	138.417	0.00	0.00	0.001	O	|	|	|	|	0.00
133.333	0.00	0.00	0.002	O	|	|	|	|	0.01	138.500	0.00	0.00	0.001	O	|	|	|	|	0.00
133.417	0.00	0.00	0.002	O	|	|	|	|	0.01	138.583	0.00	0.00	0.001	O	|	|	|	|	0.00
133.500	0.00	0.00	0.002	O	|	|	|	|	0.01	138.667	0.00	0.00	0.001	O	|	|	|	|	0.00
133.583	0.00	0.00	0.002	O	|	|	|	|	0.01	138.750	0.00	0.00	0.001	O	|	|	|	|	0.00
133.667	0.00	0.00	0.002	O	|	|	|	|	0.01	138.833	0.00	0.00	0.001	O	|	|	|	|	0.00
133.750	0.00	0.00	0.002	O	|	|	|	|	0.01	138.917	0.00	0.00	0.001	O	|	|	|	|	0.00
133.833	0.00	0.00	0.002	O	|	|	|	|	0.01	139.000	0.00	0.00	0.001	O	|	|	|	|	0.00
133.917	0.00	0.00	0.002	O	|	|	|	|	0.01	139.083	0.00	0.00	0.001	O	|	|	|	|	0.00
134.000	0.00	0.00	0.002	O	|	|	|	|	0.01	139.167	0.00	0.00	0.001	O	|	|	|	|	0.00
134.083	0.00	0.00	0.002	O	|	|	|	|	0.00	139.250	0.00	0.00	0.001	O	|	|	|	|	0.00
134.167	0.00	0.00	0.002	O	|	|	|	|	0.00	139.333	0.00	0.00	0.001	O	|	|	|	|	0.00
134.250	0.00	0.00	0.002	O	|	|	|	|	0.00	139.417	0.00	0.00	0.001	O	|	|	|	|	0.00
134.333	0.00	0.00	0.002	O	|	|	|	|	0.00	139.500	0.00	0.00	0.001	O	|	|	|	|	0.00
134.417	0.00	0.00	0.002	O	|	|	|	|	0.00	139.583	0.00	0.00	0.001	O	|	|	|	|	0.00
134.500	0.00	0.00	0.002	O	|	|	|	|	0.00	139.667	0.00	0.00	0.001	O	|	|	|	|	0.00
134.583	0.00	0.00	0.002	O	|	|	|	|	0.00	139.750	0.00	0.00	0.001	O	|	|	|	|	0.00
134.667	0.00	0.00	0.002	O	|	|	|	|	0.00	139.833	0.00	0.00	0.001	O	|	|	|	|	0.00
134.750	0.00	0.00	0.001	O	|	|	|	|	0.00	139.917	0.00	0.00	0.001	O	|	|	|	|	0.00
134.833	0.00	0.00	0.001	O	|	|	|	|	0.00	140.000	0.00	0.00	0.001	O	|	|	|	|	0.00
134.917	0.00	0.00	0.001	O	|	|	|	|	0.00	140.083	0.00	0.00	0.001	O	|	|	|	|	0.00
135.000	0.00	0.00	0.001	O	|	|	|	|	0.00	140.167	0.00	0.00	0.001	O	|	|	|	|	0.00
135.083	0.00	0.00	0.001	O	|	|	|	|	0.00	140.250	0.00	0.00	0.001	O	|	|	|	|	0.00
135.167	0.00	0.00	0.001	O	|	|	|	|	0.00	140.333	0.00	0.00	0.001	O	|	|	|	|	0.00
135.250	0.00	0.00	0.001	O	|	|	|	|	0.00	140.417	0.00	0.00	0.001	O	|	|	|	|	0.00
135.333	0.00	0.00	0.001	O	|	|	|	|	0.00	140.500	0.00	0.00	0.001	O	|	|	|	|	0.00
135.417	0.00	0.00	0.001	O	|	|	|	|	0.00	140.583	0.00	0.00	0.001	O	|	|	|	|	0.00
135.500	0.00	0.00	0.001	O	|	|	|	|	0.00	140.667	0.00	0.00	0.001	O	|	|	|	|	0.00

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140.750    0.00    0.00      0.001  O       |       |       |       |     0.00
140.833    0.00    0.00      0.001  O       |       |       |       |     0.00

        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  1690
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =       32.229 (CFS)
                        Total volume =      20.602 (Ac.Ft)
                Status of hydrographs being held in storage
                           Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.354    42.595    10.790     0.000     0.000
                Vol (Ac.Ft)     0.369    18.862     4.173     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------


        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        Process from Point/Station       10.940 to Point/Station       10.960
        **** ADD/COMBINE/RECOVER HYDROGRAPHS ****
        _____________________________________________________________________
        ********************* HYDROGRAPH INFORMATION **********************

                        From study/file name: MESAP10A10024100.rte
        +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         P R I N T  O F  S T O R M
                       R u n o f f     H y d r o g r a p h
        ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals (CFS)

        ---------------------------------------------------------------------
  Time(h+m) Add q(CFS)  Tot. Q   0       54.7     109.3     164.0     218.7
  ---------------------------------------------------------------------------
    0+ 5       0.0770      0.08  Q       |       |       |       |
    0+10       0.3206      0.33  Q       |       |       |       |
    0+15       0.7869      0.81  Q       |       |       |       |
    0+20       1.8591      1.89  Q       |       |       |       |
    0+25       2.6043      2.66  Q       |       |       |       |
    0+30       3.1559      3.23  Q       |       |       |       |
    0+35       3.9012      3.99  Q       |       |       |       |
    0+40       4.3843      4.50  Q       |       |       |       |
    0+45       4.6782      4.81  Q       |       |       |       |
    0+50       4.9367      5.09  Q       |       |       |       |
    0+55       5.2284      5.41  Q       |       |       |       |
    1+ 0       5.5930      5.80  |Q      |       |       |       |
    1+ 5       6.1723      6.40  |Q      |       |       |       |
    1+10       6.4390      6.69  |Q      |       |       |       |
    1+15       6.4149      6.69  |Q      |       |       |       |
    1+20       6.0489      6.34  |Q      |       |       |       |
    1+25       5.8515      6.17  |Q      |       |       |       |
    1+30       5.7778      6.11  |Q      |       |       |       |
    1+35       5.7294      6.08  |Q      |       |       |       |
    1+40       5.6991      6.07  |Q      |       |       |       |
    1+45       5.6769      6.07  |Q      |       |       |       |
    1+50       5.6949      6.10  |Q      |       |       |       |
    1+55       5.7998      6.21  |Q      |       |       |       |
    2+ 0       6.0162      6.44  |Q      |       |       |       |
    2+ 5       6.5192      6.95  |Q      |       |       |       |
    2+10       6.8209      7.26  |Q      |       |       |       |
    2+15       6.9771      7.43  |Q      |       |       |       |
    2+20       7.0888      7.55  |Q      |       |       |       |
    2+25       7.1729      7.64  |Q      |       |       |       |
    2+30       7.2397      7.72  |Q      |       |       |       |
    2+35       7.3304      7.82  |Q      |       |       |       |
    2+40       7.4923      7.99  |Q      |       |       |       |
    2+45       7.7545      8.26  |Q      |       |       |       |
    2+50       8.2934      8.81  |Q      |       |       |       |
    2+55       8.6205      9.15  |Q      |       |       |       |
    3+ 0       8.7875      9.33  |Q      |       |       |       |
    3+ 5       8.9075      9.46  |Q      |       |       |       |
    3+10       8.9987      9.57  |Q      |       |       |       |
    3+15       9.0707      9.65  |Q      |       |       |       |
    3+20       9.1269      9.73  |Q      |       |       |       |
    3+25       9.1729      9.81  |Q      |       |       |       |
    3+30       9.2091      9.87  |Q      |       |       |       |
    3+35       9.2357      9.93  |Q      |       |       |       |
    3+40       9.2550      9.98  |Q      |       |       |       |
    3+45       9.2651     10.02  |Q      |       |       |       |
    3+50       9.3105     10.09  |Q      |       |       |       |
    3+55       9.4378     10.25  |Q      |       |       |       |
    4+ 0       9.6757     10.52  |Q      |       |       |       |
    4+ 5      10.1958     11.08  |qQ     |       |       |       |
    4+10      10.5114     11.43  |qQ     |       |       |       |
    4+15      10.6748     11.62  |qQ     |       |       |       |
    4+20      10.8300     11.81  |qQ     |       |       |       |
    4+25      11.0395     12.06  | Q     |       |       |       |
    4+30      11.3411     12.40  | Q     |       |       |       |
    4+35      11.9115     13.01  | Q     |       |       |       |
    4+40      12.2653     13.39  | Q     |       |       |       |
    4+45      12.4565     13.60  | Q     |       |       |       |
    4+50      12.6332     13.80  | Q     |       |       |       |
    4+55      12.8582     14.04  | Q     |       |       |       |
    5+ 0      13.1676     14.37  | Q     |       |       |       |
    5+ 5      13.6667     14.89  | Q     |       |       |       |
    5+10      13.7823     15.02  | Q     |       |       |       |
    5+15      13.5120     14.77  | Q     |       |       |       |
    5+20      12.6582     13.93  | Q     |       |       |       |
    5+25      12.2637     13.55  | Q     |       |       |       |
    5+30      12.2588     13.56  | Q     |       |       |       |
    5+35      12.6476     13.97  | Q     |       |       |       |
    5+40      12.9592     14.30  | Q     |       |       |       |
    5+45      13.2548     14.62  | Q     |       |       |       |
    5+50      13.8079     15.19  | Q     |       |       |       |
    5+55      14.1424     15.55  | Q     |       |       |       |
    6+ 0      14.3180     15.74  | Q     |       |       |       |
    6+ 5      14.4844     15.92  | Q     |       |       |       |
    6+10      14.7067     16.16  | Q     |       |       |       |
    6+15      15.0273     16.49  | qQ    |       |       |       |
    6+20      15.6123     17.10  | qQ    |       |       |       |
    6+25      15.9763     17.48  | qQ    |       |       |       |
    6+30      16.1713     17.69  | qQ    |       |       |       |
    6+35      16.3503     17.89  | qQ    |       |       |       |
    6+40      16.5749     18.13  |  Q    |       |       |       |
    6+45      16.8818     18.45  |  Q    |       |       |       |
    6+50      17.4566     19.05  |  Q    |       |       |       |
    6+55      17.8159     19.42  |  Q    |       |       |       |
    7+ 0      18.0138     19.64  |  Q    |       |       |       |
    7+ 5      18.1567     19.80  |  Q    |       |       |       |
    7+10      18.2656     19.93  |  Q    |       |       |       |
    7+15      18.3471     20.02  |  Q    |       |       |       |
    7+20      18.4480     20.14  |  Q    |       |       |       |
    7+25      18.6194     20.32  |  Q    |       |       |       |
    7+30      18.8904     20.61  |  Q    |       |       |       |
    7+35      19.4736     21.21  |  Q    |       |       |       |
```

7+40	19.9284	21.68	Q
7+45	20.3339	22.11	qQ
7+50	21.0124	22.80	qQ
7+55	21.5390	23.35	qQ
8+ 0	22.0046	23.83	Q
8+ 5	22.7694	24.62	Q
8+10	23.4564	25.33	Q
8+15	24.1855	26.08	Q
8+20	25.4129	27.33	Q
8+25	26.1834	28.12	qQ
8+30	26.6113	28.57	qQ
8+35	26.9620	28.94	qQ
8+40	27.3203	29.32	qQ
8+45	27.7337	29.76	Q
8+50	28.5574	30.61	Q
8+55	29.5198	31.59	Q
9+ 0	30.8158	32.90	qQ
9+ 5	33.6727	35.78	Q
9+10	36.4498	38.58	qQ
9+15	39.5733	41.72	Q
9+20	45.1514	47.32	Q
9+25	49.1983	51.40	qQ
9+30	52.3324	54.55	Q
9+35	56.4155	58.66	Q
9+40	59.6796	61.94	qQ
9+45	62.5622	64.85	Q
9+50	66.4897	68.80	Q
9+55	69.6429	71.98	qQ
10+ 0	72.4136	74.77	Q
10+ 5	74.9056	77.29	qQ
10+10	73.7363	76.14	Q
10+15	68.3149	70.73	Q
10+20	53.9356	56.36	qQ
10+25	45.5962	48.04	Q
10+30	41.7274	44.18	qQ
10+35	39.9373	42.40	Q
10+40	40.7483	43.23	Q
10+45	44.4523	46.95	Q
10+50	54.6931	57.21	Q
10+55	60.7629	63.29	Q
11+ 0	63.7776	66.32	qQ
11+ 5	65.8600	68.42	Q
11+10	67.1509	69.73	Q
11+15	67.8103	70.40	Q
11+20	66.9833	69.59	Q
11+25	66.8338	69.45	Q
11+30	67.1504	69.78	Q
11+35	67.1851	69.83	Q
11+40	66.4501	69.11	Q
11+45	64.6283	67.30	qQ
11+50	60.5588	63.24	Q
11+55	58.6811	61.37	qQ
12+ 0	58.6604	61.37	qQ
12+ 5	61.4556	64.17	Q
12+10	66.2018	68.94	Q
12+15	73.8748	76.63	qQ
12+20	90.2538	93.04	qQ
12+25	100.7080	107.21	qQ
12+30	107.0001	116.73	q Q
12+35	113.4891	126.02	q Q
12+40	118.9367	133.99	q Q
12+45	124.1581	141.50	q Q
12+50	131.3714	150.70	q Q
12+55	136.6896	157.80	q Q
13+ 0	140.7526	163.44	q Q
13+ 5	146.1881	170.33	q Q
13+10	152.0403	177.76	q Q
13+15	159.1795	186.57	q Q
13+20	172.0584	200.97	q Q
13+25	180.2120	210.44	q Q
13+30	184.8284	216.20	q Q
13+35	186.4354	218.66	q Q
13+40	183.3478	215.44	q Q
13+45	174.4179	205.70	q Q
13+50	151.4906	181.91	q Q
13+55	138.0850	167.70	q Q
14+ 0	131.6815	160.59	q Q
14+ 5	127.8782	156.25	q Q
14+10	126.7232	154.91	q Q
14+15	128.1915	156.48	q Q
14+20	135.0368	163.47	q Q
14+25	138.4431	166.96	q Q
14+30	139.1699	167.71	q Q
14+35	138.2206	166.76	q Q
14+40	137.9867	166.53	q Q
14+45	138.5044	167.04	q Q
14+50	138.8828	167.40	q Q
14+55	138.8549	167.29	q Q
15+ 0	138.2698	166.57	q Q
15+ 5	136.2597	164.42	q Q
15+10	134.6680	162.63	q Q
15+15	133.1356	160.86	q Q
15+20	130.4634	157.96	q Q
15+25	128.4888	155.71	q Q
15+30	126.8306	153.76	q Q
15+35	123.5396	150.13	q Q
15+40	119.9026	145.93	q Q
15+45	115.1224	140.41	q Q
15+50	105.6783	130.27	q Q
15+55	99.9867	123.95	q Q
16+ 0	97.0897	120.52	q Q
16+ 5	93.3894	116.12	q Q
16+10	86.5838	107.74	q Q
16+15	75.2687	94.17	q Q
16+20	51.7463	68.44	q Q
16+25	37.3703	52.10	q Q
16+30	29.8519	42.89	q Q
16+35	24.4101	35.98	q Q
16+40	20.2350	30.51	q Q
16+45	16.8948	26.02	qQ
16+50	13.9524	22.09	q Q
16+55	11.6975	18.99	qQ
17+ 0	10.0464	16.62	q Q
17+ 5	8.8985	14.89	qQ
17+10	8.2261	13.82	qQ
17+15	8.1648	13.50	qQ
17+20	8.8259	13.98	qQ
17+25	9.1357	14.14	qQ
17+30	9.2005	14.09	qQ
17+35	9.2531	14.04	qQ
17+40	9.2384	13.93	qQ
17+45	9.1828	13.80	qQ
17+50	9.1318	13.68	qQ
17+55	9.0048	13.44	qQ

18+ 0	8.7811	13.08	|qQ	|	|	|	|	23+10	3.8070	6.56	qQ	|	|	|	|
18+ 5	8.2829	12.44	|qQ	|	|	|	|	23+15	3.7822	6.53	qQ	|	|	|	|
18+10	8.0022	12.05	|qQ	|	|	|	|	23+20	3.7632	6.51	qQ	|	|	|	|
18+15	7.8565	11.80	|qQ	|	|	|	|	23+25	3.7493	6.50	qQ	|	|	|	|
18+20	7.7524	11.61	|qQ	|	|	|	|	23+30	3.7421	6.49	qQ	|	|	|	|
18+25	7.6758	11.46	|qQ	|	|	|	|	23+35	3.7371	6.48	qQ	|	|	|	|
18+30	7.6167	11.34	|qQ	|	|	|	|	23+40	3.7335	6.48	qQ	|	|	|	|
18+35	7.5313	11.18	|qQ	|	|	|	|	23+45	3.7319	6.47	qQ	|	|	|	|
18+40	7.3752	10.92	|Q	|	|	|	|	23+50	3.7306	6.47	qQ	|	|	|	|
18+45	7.1183	10.53	|Q	|	|	|	|	23+55	3.7286	6.47	qQ	|	|	|	|
18+50	6.5441	9.82	|Q	|	|	|	|	24+ 0	3.7256	6.47	qQ	|	|	|	|
18+55	6.0971	9.20	|Q	|	|	|	|	24+ 5	3.6466	6.39	qQ	|	|	|	|
19+ 0	5.6981	8.61	|Q	|	|	|	|	24+10	3.4010	6.14	qQ	|	|	|	|
19+ 5	5.1003	7.87	qQ	|	|	|	|	24+15	2.9336	5.67	qQ	|	|	|	|
19+10	4.8193	7.59	qQ	|	|	|	|	24+20	1.8993	4.63	Q	|	|	|	|
19+15	4.8212	7.59	qQ	|	|	|	|	24+25	1.2759	4.01	Q	|	|	|	|
19+20	5.2061	7.98	qQ	|	|	|	|	24+30	0.9574	3.69	Q	|	|	|	|
19+25	5.5079	8.28	|Q	|	|	|	|	24+35	0.7290	3.46	Q	|	|	|	|
19+30	5.7968	8.57	|Q	|	|	|	|	24+40	0.5576	3.28	Q	|	|	|	|
19+35	6.3099	9.08	|Q	|	|	|	|	24+45	0.4230	3.15	Q	|	|	|	|
19+40	6.5240	9.29	|Q	|	|	|	|	24+50	0.3172	3.04	Q	|	|	|	|
19+45	6.4753	9.25	|Q	|	|	|	|	24+55	0.2330	2.95	Q	|	|	|	|
19+50	6.0562	8.83	|Q	|	|	|	|	25+ 0	0.1689	2.89	Q	|	|	|	|
19+55	5.7275	8.50	|Q	|	|	|	|	25+ 5	0.1209	2.84	Q	|	|	|	|
20+ 0	5.4209	8.19	qQ	|	|	|	|	25+10	0.0860	2.80	Q	|	|	|	|
20+ 5	4.8956	7.66	qQ	|	|	|	|	25+15	0.0683	2.78	Q	|	|	|	|
20+10	4.6702	7.44	qQ	|	|	|	|	25+20	0.0556	2.76	Q	|	|	|	|
20+15	4.7088	7.48	qQ	|	|	|	|	25+25	0.0445	2.75	Q	|	|	|	|
20+20	5.0831	7.85	qQ	|	|	|	|	25+30	0.0352	2.74	Q	|	|	|	|
20+25	5.2840	8.05	qQ	|	|	|	|	25+35	0.0286	2.73	Q	|	|	|	|
20+30	5.3522	8.12	qQ	|	|	|	|	25+40	0.0208	2.72	Q	|	|	|	|
20+35	5.3959	8.16	qQ	|	|	|	|	25+45	0.0125	2.71	Q	|	|	|	|
20+40	5.4296	8.20	qQ	|	|	|	|	25+50	0.0073	2.70	Q	|	|	|	|
20+45	5.4637	8.23	qQ	|	|	|	|	25+55	0.0035	2.70	Q	|	|	|	|
20+50	5.4531	8.22	qQ	|	|	|	|	26+ 0	0.0012	2.69	Q	|	|	|	|
20+55	5.3562	8.12	qQ	|	|	|	|	26+ 5	0.0000	2.69	Q	|	|	|	|
21+ 0	5.1469	7.91	qQ	|	|	|	|	26+10	0.0000	2.69	Q	|	|	|	|
21+ 5	4.6860	7.45	qQ	|	|	|	|	26+15	0.0000	2.69	Q	|	|	|	|
21+10	4.5061	7.27	qQ	|	|	|	|	26+20	0.0000	2.68	Q	|	|	|	|
21+15	4.5812	7.34	qQ	|	|	|	|	26+25	0.0000	2.68	Q	|	|	|	|
21+20	4.9465	7.71	qQ	|	|	|	|	26+30	0.0000	2.68	Q	|	|	|	|
21+25	5.0503	7.81	qQ	|	|	|	|	26+35	0.0000	2.68	Q	|	|	|	|
21+30	4.9084	7.67	qQ	|	|	|	|	26+40	0.0000	2.67	Q	|	|	|	|
21+35	4.4914	7.25	qQ	|	|	|	|	26+45	0.0000	2.67	Q	|	|	|	|
21+40	4.3472	7.11	qQ	|	|	|	|	26+50	0.0000	2.67	Q	|	|	|	|
21+45	4.4594	7.22	qQ	|	|	|	|	26+55	0.0000	2.67	Q	|	|	|	|
21+50	4.8545	7.61	qQ	|	|	|	|	27+ 0	0.0000	2.67	Q	|	|	|	|
21+55	4.9852	7.74	qQ	|	|	|	|	27+ 5	0.0000	2.66	Q	|	|	|	|
22+ 0	4.8683	7.63	qQ	|	|	|	|	27+10	0.0000	2.66	Q	|	|	|	|
22+ 5	4.4694	7.23	qQ	|	|	|	|	27+15	0.0000	2.66	Q	|	|	|	|
22+10	4.3351	7.09	qQ	|	|	|	|	27+20	0.0000	2.66	Q	|	|	|	|
22+15	4.4485	7.20	qQ	|	|	|	|	27+25	0.0000	2.66	Q	|	|	|	|
22+20	4.8446	7.60	qQ	|	|	|	|	27+30	0.0000	2.65	Q	|	|	|	|
22+25	4.9751	7.73	qQ	|	|	|	|	27+35	0.0000	2.65	Q	|	|	|	|
22+30	4.8575	7.61	qQ	|	|	|	|	27+40	0.0000	2.65	Q	|	|	|	|
22+35	4.4203	7.17	qQ	|	|	|	|	27+45	0.0000	2.65	Q	|	|	|	|
22+40	4.1661	6.92	qQ	|	|	|	|	27+50	0.0000	2.65	Q	|	|	|	|
22+45	4.0494	6.80	qQ	|	|	|	|	27+55	0.0000	2.64	Q	|	|	|	|
22+50	3.9691	6.72	qQ	|	|	|	|	28+ 0	0.0000	2.64	Q	|	|	|	|
22+55	3.9117	6.66	qQ	|	|	|	|	28+ 5	0.0000	2.64	Q	|	|	|	|
23+ 0	3.8692	6.62	qQ	|	|	|	|	28+10	0.0000	2.64	Q	|	|	|	|
23+ 5	3.8352	6.58	qQ	|	|	|	|	28+15	0.0000	2.64	Q	|	|	|	|

28+20	0.0000	2.63	Q					33+30	0.0000	2.50	Q				
28+25	0.0000	2.63	Q					33+35	0.0000	2.50	Q				
28+30	0.0000	2.63	Q					33+40	0.0000	2.49	Q				
28+35	0.0000	2.63	Q					33+45	0.0000	2.49	Q				
28+40	0.0000	2.62	Q					33+50	0.0000	2.49	Q				
28+45	0.0000	2.62	Q					33+55	0.0000	2.49	Q				
28+50	0.0000	2.62	Q					34+ 0	0.0000	2.48	Q				
28+55	0.0000	2.62	Q					34+ 5	0.0000	2.48	Q				
29+ 0	0.0000	2.62	Q					34+10	0.0000	2.48	Q				
29+ 5	0.0000	2.61	Q					34+15	0.0000	2.48	Q				
29+10	0.0000	2.61	Q					34+20	0.0000	2.47	Q				
29+15	0.0000	2.61	Q					34+25	0.0000	2.47	Q				
29+20	0.0000	2.61	Q					34+30	0.0000	2.47	Q				
29+25	0.0000	2.61	Q					34+35	0.0000	2.47	Q				
29+30	0.0000	2.60	Q					34+40	0.0000	2.46	Q				
29+35	0.0000	2.60	Q					34+45	0.0000	2.46	Q				
29+40	0.0000	2.60	Q					34+50	0.0000	2.46	Q				
29+45	0.0000	2.60	Q					34+55	0.0000	2.46	Q				
29+50	0.0000	2.59	Q					35+ 0	0.0000	2.45	Q				
29+55	0.0000	2.59	Q					35+ 5	0.0000	2.45	Q				
30+ 0	0.0000	2.59	Q					35+10	0.0000	2.45	Q				
30+ 5	0.0000	2.59	Q					35+15	0.0000	2.45	Q				
30+10	0.0000	2.59	Q					35+20	0.0000	2.44	Q				
30+15	0.0000	2.58	Q					35+25	0.0000	2.44	Q				
30+20	0.0000	2.58	Q					35+30	0.0000	2.44	Q				
30+25	0.0000	2.58	Q					35+35	0.0000	2.44	Q				
30+30	0.0000	2.58	Q					35+40	0.0000	2.43	Q				
30+35	0.0000	2.58	Q					35+45	0.0000	2.43	Q				
30+40	0.0000	2.57	Q					35+50	0.0000	2.43	Q				
30+45	0.0000	2.57	Q					35+55	0.0000	2.43	Q				
30+50	0.0000	2.57	Q					36+ 0	0.0000	2.42	Q				
30+55	0.0000	2.57	Q					36+ 5	0.0000	2.42	Q				
31+ 0	0.0000	2.56	Q					36+10	0.0000	2.42	Q				
31+ 5	0.0000	2.56	Q					36+15	0.0000	2.42	Q				
31+10	0.0000	2.56	Q					36+20	0.0000	2.41	Q				
31+15	0.0000	2.56	Q					36+25	0.0000	2.41	Q				
31+20	0.0000	2.56	Q					36+30	0.0000	2.41	Q				
31+25	0.0000	2.55	Q					36+35	0.0000	2.41	Q				
31+30	0.0000	2.55	Q					36+40	0.0000	2.40	Q				
31+35	0.0000	2.55	Q					36+45	0.0000	2.40	Q				
31+40	0.0000	2.55	Q					36+50	0.0000	2.40	Q				
31+45	0.0000	2.55	Q					36+55	0.0000	2.40	Q				
31+50	0.0000	2.54	Q					37+ 0	0.0000	2.39	Q				
31+55	0.0000	2.54	Q					37+ 5	0.0000	2.39	Q				
32+ 0	0.0000	2.54	Q					37+10	0.0000	2.39	Q				
32+ 5	0.0000	2.54	Q					37+15	0.0000	2.39	Q				
32+10	0.0000	2.54	Q					37+20	0.0000	2.38	Q				
32+15	0.0000	2.53	Q					37+25	0.0000	2.38	Q				
32+20	0.0000	2.53	Q					37+30	0.0000	2.38	Q				
32+25	0.0000	2.53	Q					37+35	0.0000	2.38	Q				
32+30	0.0000	2.53	Q					37+40	0.0000	2.37	Q				
32+35	0.0000	2.52	Q					37+45	0.0000	2.37	Q				
32+40	0.0000	2.52	Q					37+50	0.0000	2.37	Q				
32+45	0.0000	2.52	Q					37+55	0.0000	2.37	Q				
32+50	0.0000	2.52	Q					38+ 0	0.0000	2.37	Q				
32+55	0.0000	2.52	Q					38+ 5	0.0000	2.36	Q				
33+ 0	0.0000	2.51	Q					38+10	0.0000	2.36	Q				
33+ 5	0.0000	2.51	Q					38+15	0.0000	2.36	Q				
33+10	0.0000	2.51	Q					38+20	0.0000	2.35	Q				
33+15	0.0000	2.51	Q					38+25	0.0000	2.35	Q				
33+20	0.0000	2.51	Q					38+30	0.0000	2.35	Q				
33+25	0.0000	2.50	Q					38+35	0.0000	2.35	Q				

38+40	0.0000	2.34	Q					43+50	0.0000	2.17	Q				
38+45	0.0000	2.34	Q					43+55	0.0000	2.17	Q				
38+50	0.0000	2.34	Q					44+ 0	0.0000	2.16	Q				
38+55	0.0000	2.33	Q					44+ 5	0.0000	2.16	Q				
39+ 0	0.0000	2.33	Q					44+10	0.0000	2.16	Q				
39+ 5	0.0000	2.33	Q					44+15	0.0000	2.16	Q				
39+10	0.0000	2.33	Q					44+20	0.0000	2.15	Q				
39+15	0.0000	2.32	Q					44+25	0.0000	2.15	Q				
39+20	0.0000	2.32	Q					44+30	0.0000	2.15	Q				
39+25	0.0000	2.32	Q					44+35	0.0000	2.14	Q				
39+30	0.0000	2.31	Q					44+40	0.0000	2.14	Q				
39+35	0.0000	2.31	Q					44+45	0.0000	2.14	Q				
39+40	0.0000	2.31	Q					44+50	0.0000	2.14	Q				
39+45	0.0000	2.31	Q					44+55	0.0000	2.13	Q				
39+50	0.0000	2.30	Q					45+ 0	0.0000	2.13	Q				
39+55	0.0000	2.30	Q					45+ 5	0.0000	2.13	Q				
40+ 0	0.0000	2.30	Q					45+10	0.0000	2.12	Q				
40+ 5	0.0000	2.30	Q					45+15	0.0000	2.12	Q				
40+10	0.0000	2.29	Q					45+20	0.0000	2.12	Q				
40+15	0.0000	2.29	Q					45+25	0.0000	2.12	Q				
40+20	0.0000	2.29	Q					45+30	0.0000	2.11	Q				
40+25	0.0000	2.28	Q					45+35	0.0000	2.11	Q				
40+30	0.0000	2.28	Q					45+40	0.0000	2.11	Q				
40+35	0.0000	2.28	Q					45+45	0.0000	2.10	Q				
40+40	0.0000	2.28	Q					45+50	0.0000	2.10	Q				
40+45	0.0000	2.27	Q					45+55	0.0000	2.10	Q				
40+50	0.0000	2.27	Q					46+ 0	0.0000	2.10	Q				
40+55	0.0000	2.27	Q					46+ 5	0.0000	2.09	Q				
41+ 0	0.0000	2.26	Q					46+10	0.0000	2.09	Q				
41+ 5	0.0000	2.26	Q					46+15	0.0000	2.09	Q				
41+10	0.0000	2.26	Q					46+20	0.0000	2.08	Q				
41+15	0.0000	2.26	Q					46+25	0.0000	2.08	Q				
41+20	0.0000	2.25	Q					46+30	0.0000	2.08	Q				
41+25	0.0000	2.25	Q					46+35	0.0000	2.08	Q				
41+30	0.0000	2.25	Q					46+40	0.0000	2.07	Q				
41+35	0.0000	2.25	Q					46+45	0.0000	2.07	Q				
41+40	0.0000	2.24	Q					46+50	0.0000	2.07	Q				
41+45	0.0000	2.24	Q					46+55	0.0000	2.07	Q				
41+50	0.0000	2.24	Q					47+ 0	0.0000	2.06	Q				
41+55	0.0000	2.23	Q					47+ 5	0.0000	2.06	Q				
42+ 0	0.0000	2.23	Q					47+10	0.0000	2.06	Q				
42+ 5	0.0000	2.23	Q					47+15	0.0000	2.05	Q				
42+10	0.0000	2.23	Q					47+20	0.0000	2.05	Q				
42+15	0.0000	2.22	Q					47+25	0.0000	2.05	Q				
42+20	0.0000	2.22	Q					47+30	0.0000	2.05	Q				
42+25	0.0000	2.22	Q					47+35	0.0000	2.04	Q				
42+30	0.0000	2.22	Q					47+40	0.0000	2.04	Q				
42+35	0.0000	2.21	Q					47+45	0.0000	2.04	Q				
42+40	0.0000	2.21	Q					47+50	0.0000	2.03	Q				
42+45	0.0000	2.21	Q					47+55	0.0000	2.03	Q				
42+50	0.0000	2.20	Q					48+ 0	0.0000	2.03	Q				
42+55	0.0000	2.20	Q					48+ 5	0.0000	2.02	Q				
43+ 0	0.0000	2.20	Q					48+10	0.0000	2.02	Q				
43+ 5	0.0000	2.20	Q					48+15	0.0000	2.02	Q				
43+10	0.0000	2.19	Q					48+20	0.0000	2.01	Q				
43+15	0.0000	2.19	Q					48+25	0.0000	2.01	Q				
43+20	0.0000	2.19	Q					48+30	0.0000	2.01	Q				
43+25	0.0000	2.18	Q					48+35	0.0000	2.00	Q				
43+30	0.0000	2.18	Q					48+40	0.0000	2.00	Q				
43+35	0.0000	2.18	Q					48+45	0.0000	1.99	Q				
43+40	0.0000	2.18	Q					48+50	0.0000	1.99	Q				
43+45	0.0000	2.17	Q					48+55	0.0000	1.99	Q				

49+ 0	0.0000	1.98	Q					54+10	0.0000	1.77	Q				
49+ 5	0.0000	1.98	Q					54+15	0.0000	1.76	Q				
49+10	0.0000	1.98	Q					54+20	0.0000	1.76	Q				
49+15	0.0000	1.97	Q					54+25	0.0000	1.76	Q				
49+20	0.0000	1.97	Q					54+30	0.0000	1.75	Q				
49+25	0.0000	1.97	Q					54+35	0.0000	1.75	Q				
49+30	0.0000	1.96	Q					54+40	0.0000	1.75	Q				
49+35	0.0000	1.96	Q					54+45	0.0000	1.74	Q				
49+40	0.0000	1.96	Q					54+50	0.0000	1.74	Q				
49+45	0.0000	1.95	Q					54+55	0.0000	1.74	Q				
49+50	0.0000	1.95	Q					55+ 0	0.0000	1.73	Q				
49+55	0.0000	1.95	Q					55+ 5	0.0000	1.73	Q				
50+ 0	0.0000	1.94	Q					55+10	0.0000	1.72	Q				
50+ 5	0.0000	1.94	Q					55+15	0.0000	1.72	Q				
50+10	0.0000	1.94	Q					55+20	0.0000	1.72	Q				
50+15	0.0000	1.93	Q					55+25	0.0000	1.71	Q				
50+20	0.0000	1.93	Q					55+30	0.0000	1.71	Q				
50+25	0.0000	1.93	Q					55+35	0.0000	1.71	Q				
50+30	0.0000	1.92	Q					55+40	0.0000	1.70	Q				
50+35	0.0000	1.92	Q					55+45	0.0000	1.70	Q				
50+40	0.0000	1.92	Q					55+50	0.0000	1.70	Q				
50+45	0.0000	1.91	Q					55+55	0.0000	1.69	Q				
50+50	0.0000	1.91	Q					56+ 0	0.0000	1.69	Q				
50+55	0.0000	1.91	Q					56+ 5	0.0000	1.69	Q				
51+ 0	0.0000	1.90	Q					56+10	0.0000	1.68	Q				
51+ 5	0.0000	1.90	Q					56+15	0.0000	1.68	Q				
51+10	0.0000	1.90	Q					56+20	0.0000	1.68	Q				
51+15	0.0000	1.89	Q					56+25	0.0000	1.67	Q				
51+20	0.0000	1.89	Q					56+30	0.0000	1.67	Q				
51+25	0.0000	1.89	Q					56+35	0.0000	1.67	Q				
51+30	0.0000	1.88	Q					56+40	0.0000	1.66	Q				
51+35	0.0000	1.88	Q					56+45	0.0000	1.66	Q				
51+40	0.0000	1.88	Q					56+50	0.0000	1.66	Q				
51+45	0.0000	1.87	Q					56+55	0.0000	1.65	Q				
51+50	0.0000	1.87	Q					57+ 0	0.0000	1.65	Q				
51+55	0.0000	1.87	Q					57+ 5	0.0000	1.64	Q				
52+ 0	0.0000	1.86	Q					57+10	0.0000	1.64	Q				
52+ 5	0.0000	1.86	Q					57+15	0.0000	1.63	Q				
52+10	0.0000	1.86	Q					57+20	0.0000	1.63	Q				
52+15	0.0000	1.85	Q					57+25	0.0000	1.63	Q				
52+20	0.0000	1.85	Q					57+30	0.0000	1.62	Q				
52+25	0.0000	1.85	Q					57+35	0.0000	1.62	Q				
52+30	0.0000	1.84	Q					57+40	0.0000	1.61	Q				
52+35	0.0000	1.84	Q					57+45	0.0000	1.61	Q				
52+40	0.0000	1.83	Q					57+50	0.0000	1.60	Q				
52+45	0.0000	1.83	Q					57+55	0.0000	1.60	Q				
52+50	0.0000	1.83	Q					58+ 0	0.0000	1.59	Q				
52+55	0.0000	1.82	Q					58+ 5	0.0000	1.59	Q				
53+ 0	0.0000	1.82	Q					58+10	0.0000	1.59	Q				
53+ 5	0.0000	1.82	Q					58+15	0.0000	1.58	Q				
53+10	0.0000	1.81	Q					58+20	0.0000	1.58	Q				
53+15	0.0000	1.81	Q					58+25	0.0000	1.57	Q				
53+20	0.0000	1.80	Q					58+30	0.0000	1.57	Q				
53+25	0.0000	1.80	Q					58+35	0.0000	1.56	Q				
53+30	0.0000	1.80	Q					58+40	0.0000	1.56	Q				
53+35	0.0000	1.79	Q					58+45	0.0000	1.55	Q				
53+40	0.0000	1.79	Q					58+50	0.0000	1.55	Q				
53+45	0.0000	1.79	Q					58+55	0.0000	1.55	Q				
53+50	0.0000	1.78	Q					59+ 0	0.0000	1.54	Q				
53+55	0.0000	1.78	Q					59+ 5	0.0000	1.54	Q				
54+ 0	0.0000	1.78	Q					59+10	0.0000	1.53	Q				
54+ 5	0.0000	1.77	Q					59+15	0.0000	1.53	Q				

59+20	0.0000	1.52	Q					64+30	0.0000	1.24	Q				
59+25	0.0000	1.52	Q					64+35	0.0000	1.23	Q				
59+30	0.0000	1.52	Q					64+40	0.0000	1.23	Q				
59+35	0.0000	1.51	Q					64+45	0.0000	1.22	Q				
59+40	0.0000	1.51	Q					64+50	0.0000	1.22	Q				
59+45	0.0000	1.50	Q					64+55	0.0000	1.22	Q				
59+50	0.0000	1.50	Q					65+ 0	0.0000	1.21	Q				
59+55	0.0000	1.50	Q					65+ 5	0.0000	1.21	Q				
60+ 0	0.0000	1.49	Q					65+10	0.0000	1.20	Q				
60+ 5	0.0000	1.49	Q					65+15	0.0000	1.20	Q				
60+10	0.0000	1.48	Q					65+20	0.0000	1.19	Q				
60+15	0.0000	1.48	Q					65+25	0.0000	1.19	Q				
60+20	0.0000	1.47	Q					65+30	0.0000	1.18	Q				
60+25	0.0000	1.47	Q					65+35	0.0000	1.18	Q				
60+30	0.0000	1.47	Q					65+40	0.0000	1.17	Q				
60+35	0.0000	1.46	Q					65+45	0.0000	1.17	Q				
60+40	0.0000	1.46	Q					65+50	0.0000	1.17	Q				
60+45	0.0000	1.45	Q					65+55	0.0000	1.16	Q				
60+50	0.0000	1.45	Q					66+ 0	0.0000	1.16	Q				
60+55	0.0000	1.45	Q					66+ 5	0.0000	1.15	Q				
61+ 0	0.0000	1.44	Q					66+10	0.0000	1.15	Q				
61+ 5	0.0000	1.44	Q					66+15	0.0000	1.14	Q				
61+10	0.0000	1.43	Q					66+20	0.0000	1.14	Q				
61+15	0.0000	1.43	Q					66+25	0.0000	1.13	Q				
61+20	0.0000	1.43	Q					66+30	0.0000	1.13	Q				
61+25	0.0000	1.42	Q					66+35	0.0000	1.13	Q				
61+30	0.0000	1.42	Q					66+40	0.0000	1.12	Q				
61+35	0.0000	1.41	Q					66+45	0.0000	1.11	Q				
61+40	0.0000	1.41	Q					66+50	0.0000	1.11	Q				
61+45	0.0000	1.41	Q					66+55	0.0000	1.10	Q				
61+50	0.0000	1.40	Q					67+ 0	0.0000	1.09	Q				
61+55	0.0000	1.39	Q					67+ 5	0.0000	1.08	Q				
62+ 0	0.0000	1.39	Q					67+10	0.0000	1.07	Q				
62+ 5	0.0000	1.38	Q					67+15	0.0000	1.06	Q				
62+10	0.0000	1.38	Q					67+20	0.0000	1.05	Q				
62+15	0.0000	1.37	Q					67+25	0.0000	1.04	Q				
62+20	0.0000	1.37	Q					67+30	0.0000	1.03	Q				
62+25	0.0000	1.36	Q					67+35	0.0000	1.03	Q				
62+30	0.0000	1.36	Q					67+40	0.0000	1.02	Q				
62+35	0.0000	1.35	Q					67+45	0.0000	1.01	Q				
62+40	0.0000	1.35	Q					67+50	0.0000	1.00	Q				
62+45	0.0000	1.34	Q					67+55	0.0000	0.99	Q				
62+50	0.0000	1.34	Q					68+ 0	0.0000	0.98	Q				
62+55	0.0000	1.33	Q					68+ 5	0.0000	0.98	Q				
63+ 0	0.0000	1.33	Q					68+10	0.0000	0.97	Q				
63+ 5	0.0000	1.32	Q					68+15	0.0000	0.96	Q				
63+10	0.0000	1.32	Q					68+20	0.0000	0.95	Q				
63+15	0.0000	1.31	Q					68+25	0.0000	0.95	Q				
63+20	0.0000	1.31	Q					68+30	0.0000	0.94	Q				
63+25	0.0000	1.30	Q					68+35	0.0000	0.93	Q				
63+30	0.0000	1.30	Q					68+40	0.0000	0.92	Q				
63+35	0.0000	1.29	Q					68+45	0.0000	0.91	Q				
63+40	0.0000	1.29	Q					68+50	0.0000	0.91	Q				
63+45	0.0000	1.28	Q					68+55	0.0000	0.90	Q				
63+50	0.0000	1.28	Q					69+ 0	0.0000	0.89	Q				
63+55	0.0000	1.27	Q					69+ 5	0.0000	0.88	Q				
64+ 0	0.0000	1.27	Q					69+10	0.0000	0.88	Q				
64+ 5	0.0000	1.26	Q					69+15	0.0000	0.87	Q				
64+10	0.0000	1.26	Q					69+20	0.0000	0.86	Q				
64+15	0.0000	1.25	Q					69+25	0.0000	0.86	Q				
64+20	0.0000	1.25	Q					69+30	0.0000	0.85	Q				
64+25	0.0000	1.24	Q					69+35	0.0000	0.84	Q				

69+40	0.0000	0.84	Q					74+50	0.0000	0.55	Q				
69+45	0.0000	0.83	Q					74+55	0.0000	0.55	Q				
69+50	0.0000	0.82	Q					75+ 0	0.0000	0.54	Q				
69+55	0.0000	0.82	Q					75+ 5	0.0000	0.54	Q				
70+ 0	0.0000	0.81	Q					75+10	0.0000	0.54	Q				
70+ 5	0.0000	0.80	Q					75+15	0.0000	0.54	Q				
70+10	0.0000	0.80	Q					75+20	0.0000	0.54	Q				
70+15	0.0000	0.79	Q					75+25	0.0000	0.54	Q				
70+20	0.0000	0.78	Q					75+30	0.0000	0.53	Q				
70+25	0.0000	0.78	Q					75+35	0.0000	0.53	Q				
70+30	0.0000	0.77	Q					75+40	0.0000	0.53	Q				
70+35	0.0000	0.76	Q					75+45	0.0000	0.53	Q				
70+40	0.0000	0.76	Q					75+50	0.0000	0.53	Q				
70+45	0.0000	0.75	Q					75+55	0.0000	0.53	Q				
70+50	0.0000	0.74	Q					76+ 0	0.0000	0.52	Q				
70+55	0.0000	0.74	Q					76+ 5	0.0000	0.52	Q				
71+ 0	0.0000	0.73	Q					76+10	0.0000	0.52	Q				
71+ 5	0.0000	0.73	Q					76+15	0.0000	0.52	Q				
71+10	0.0000	0.72	Q					76+20	0.0000	0.52	Q				
71+15	0.0000	0.71	Q					76+25	0.0000	0.52	Q				
71+20	0.0000	0.71	Q					76+30	0.0000	0.51	Q				
71+25	0.0000	0.70	Q					76+35	0.0000	0.51	Q				
71+30	0.0000	0.70	Q					76+40	0.0000	0.51	Q				
71+35	0.0000	0.69	Q					76+45	0.0000	0.51	Q				
71+40	0.0000	0.69	Q					76+50	0.0000	0.51	Q				
71+45	0.0000	0.68	Q					76+55	0.0000	0.51	Q				
71+50	0.0000	0.67	Q					77+ 0	0.0000	0.50	Q				
71+55	0.0000	0.67	Q					77+ 5	0.0000	0.50	Q				
72+ 0	0.0000	0.66	Q					77+10	0.0000	0.50	Q				
72+ 5	0.0000	0.66	Q					77+15	0.0000	0.50	Q				
72+10	0.0000	0.65	Q					77+20	0.0000	0.50	Q				
72+15	0.0000	0.65	Q					77+25	0.0000	0.50	Q				
72+20	0.0000	0.64	Q					77+30	0.0000	0.49	Q				
72+25	0.0000	0.64	Q					77+35	0.0000	0.49	Q				
72+30	0.0000	0.63	Q					77+40	0.0000	0.49	Q				
72+35	0.0000	0.63	Q					77+45	0.0000	0.49	Q				
72+40	0.0000	0.62	Q					77+50	0.0000	0.49	Q				
72+45	0.0000	0.62	Q					77+55	0.0000	0.49	Q				
72+50	0.0000	0.61	Q					78+ 0	0.0000	0.48	Q				
72+55	0.0000	0.61	Q					78+ 5	0.0000	0.48	Q				
73+ 0	0.0000	0.60	Q					78+10	0.0000	0.48	Q				
73+ 5	0.0000	0.60	Q					78+15	0.0000	0.48	Q				
73+10	0.0000	0.59	Q					78+20	0.0000	0.48	Q				
73+15	0.0000	0.59	Q					78+25	0.0000	0.48	Q				
73+20	0.0000	0.58	Q					78+30	0.0000	0.48	Q				
73+25	0.0000	0.58	Q					78+35	0.0000	0.47	Q				
73+30	0.0000	0.58	Q					78+40	0.0000	0.47	Q				
73+35	0.0000	0.58	Q					78+45	0.0000	0.47	Q				
73+40	0.0000	0.57	Q					78+50	0.0000	0.47	Q				
73+45	0.0000	0.57	Q					78+55	0.0000	0.47	Q				
73+50	0.0000	0.57	Q					79+ 0	0.0000	0.47	Q				
73+55	0.0000	0.57	Q					79+ 5	0.0000	0.46	Q				
74+ 0	0.0000	0.57	Q					79+10	0.0000	0.46	Q				
74+ 5	0.0000	0.56	Q					79+15	0.0000	0.46	Q				
74+10	0.0000	0.56	Q					79+20	0.0000	0.46	Q				
74+15	0.0000	0.56	Q					79+25	0.0000	0.46	Q				
74+20	0.0000	0.56	Q					79+30	0.0000	0.46	Q				
74+25	0.0000	0.56	Q					79+35	0.0000	0.46	Q				
74+30	0.0000	0.55	Q					79+40	0.0000	0.45	Q				
74+35	0.0000	0.55	Q					79+45	0.0000	0.45	Q				
74+40	0.0000	0.55	Q					79+50	0.0000	0.45	Q				
74+45	0.0000	0.55	Q					79+55	0.0000	0.45	Q				

80+ 0	0.0000	0.45	Q					85+10	0.0000	0.32	Q				
80+ 5	0.0000	0.45	Q					85+15	0.0000	0.32	Q				
80+10	0.0000	0.45	Q					85+20	0.0000	0.31	Q				
80+15	0.0000	0.44	Q					85+25	0.0000	0.31	Q				
80+20	0.0000	0.44	Q					85+30	0.0000	0.31	Q				
80+25	0.0000	0.44	Q					85+35	0.0000	0.30	Q				
80+30	0.0000	0.44	Q					85+40	0.0000	0.30	Q				
80+35	0.0000	0.44	Q					85+45	0.0000	0.30	Q				
80+40	0.0000	0.44	Q					85+50	0.0000	0.30	Q				
80+45	0.0000	0.44	Q					85+55	0.0000	0.29	Q				
80+50	0.0000	0.43	Q					86+ 0	0.0000	0.29	Q				
80+55	0.0000	0.43	Q					86+ 5	0.0000	0.29	Q				
81+ 0	0.0000	0.43	Q					86+10	0.0000	0.29	Q				
81+ 5	0.0000	0.43	Q					86+15	0.0000	0.28	Q				
81+10	0.0000	0.43	Q					86+20	0.0000	0.28	Q				
81+15	0.0000	0.43	Q					86+25	0.0000	0.28	Q				
81+20	0.0000	0.43	Q					86+30	0.0000	0.28	Q				
81+25	0.0000	0.42	Q					86+35	0.0000	0.27	Q				
81+30	0.0000	0.42	Q					86+40	0.0000	0.27	Q				
81+35	0.0000	0.42	Q					86+45	0.0000	0.27	Q				
81+40	0.0000	0.42	Q					86+50	0.0000	0.27	Q				
81+45	0.0000	0.42	Q					86+55	0.0000	0.27	Q				
81+50	0.0000	0.42	Q					87+ 0	0.0000	0.26	Q				
81+55	0.0000	0.42	Q					87+ 5	0.0000	0.26	Q				
82+ 0	0.0000	0.42	Q					87+10	0.0000	0.26	Q				
82+ 5	0.0000	0.41	Q					87+15	0.0000	0.26	Q				
82+10	0.0000	0.41	Q					87+20	0.0000	0.25	Q				
82+15	0.0000	0.41	Q					87+25	0.0000	0.25	Q				
82+20	0.0000	0.41	Q					87+30	0.0000	0.25	Q				
82+25	0.0000	0.41	Q					87+35	0.0000	0.25	Q				
82+30	0.0000	0.41	Q					87+40	0.0000	0.25	Q				
82+35	0.0000	0.41	Q					87+45	0.0000	0.24	Q				
82+40	0.0000	0.40	Q					87+50	0.0000	0.24	Q				
82+45	0.0000	0.40	Q					87+55	0.0000	0.24	Q				
82+50	0.0000	0.40	Q					88+ 0	0.0000	0.24	Q				
82+55	0.0000	0.40	Q					88+ 5	0.0000	0.24	Q				
83+ 0	0.0000	0.40	Q					88+10	0.0000	0.23	Q				
83+ 5	0.0000	0.39	Q					88+15	0.0000	0.23	Q				
83+10	0.0000	0.39	Q					88+20	0.0000	0.23	Q				
83+15	0.0000	0.39	Q					88+25	0.0000	0.23	Q				
83+20	0.0000	0.38	Q					88+30	0.0000	0.23	Q				
83+25	0.0000	0.38	Q					88+35	0.0000	0.22	Q				
83+30	0.0000	0.38	Q					88+40	0.0000	0.22	Q				
83+35	0.0000	0.37	Q					88+45	0.0000	0.22	Q				
83+40	0.0000	0.37	Q					88+50	0.0000	0.22	Q				
83+45	0.0000	0.37	Q					88+55	0.0000	0.22	Q				
83+50	0.0000	0.37	Q					89+ 0	0.0000	0.21	Q				
83+55	0.0000	0.36	Q					89+ 5	0.0000	0.21	Q				
84+ 0	0.0000	0.36	Q					89+10	0.0000	0.21	Q				
84+ 5	0.0000	0.36	Q					89+15	0.0000	0.21	Q				
84+10	0.0000	0.35	Q					89+20	0.0000	0.21	Q				
84+15	0.0000	0.35	Q					89+25	0.0000	0.20	Q				
84+20	0.0000	0.35	Q					89+30	0.0000	0.20	Q				
84+25	0.0000	0.34	Q					89+35	0.0000	0.20	Q				
84+30	0.0000	0.34	Q					89+40	0.0000	0.20	Q				
84+35	0.0000	0.34	Q					89+45	0.0000	0.20	Q				
84+40	0.0000	0.33	Q					89+50	0.0000	0.20	Q				
84+45	0.0000	0.33	Q					89+55	0.0000	0.19	Q				
84+50	0.0000	0.33	Q					90+ 0	0.0000	0.19	Q				
84+55	0.0000	0.33	Q					90+ 5	0.0000	0.19	Q				
85+ 0	0.0000	0.32	Q					90+10	0.0000	0.19	Q				
85+ 5	0.0000	0.32	Q					90+15	0.0000	0.19	Q				

90+20	0.0000	0.19	Q					95+30	0.0000	0.11	Q				
90+25	0.0000	0.18	Q					95+35	0.0000	0.11	Q				
90+30	0.0000	0.18	Q					95+40	0.0000	0.11	Q				
90+35	0.0000	0.18	Q					95+45	0.0000	0.11	Q				
90+40	0.0000	0.18	Q					95+50	0.0000	0.11	Q				
90+45	0.0000	0.18	Q					95+55	0.0000	0.10	Q				
90+50	0.0000	0.18	Q					96+ 0	0.0000	0.10	Q				
90+55	0.0000	0.18	Q					96+ 5	0.0000	0.10	Q				
91+ 0	0.0000	0.17	Q					96+10	0.0000	0.10	Q				
91+ 5	0.0000	0.17	Q					96+15	0.0000	0.10	Q				
91+10	0.0000	0.17	Q					96+20	0.0000	0.10	Q				
91+15	0.0000	0.17	Q					96+25	0.0000	0.10	Q				
91+20	0.0000	0.17	Q					96+30	0.0000	0.10	Q				
91+25	0.0000	0.17	Q					96+35	0.0000	0.10	Q				
91+30	0.0000	0.16	Q					96+40	0.0000	0.10	Q				
91+35	0.0000	0.16	Q					96+45	0.0000	0.10	Q				
91+40	0.0000	0.16	Q					96+50	0.0000	0.09	Q				
91+45	0.0000	0.16	Q					96+55	0.0000	0.09	Q				
91+50	0.0000	0.16	Q					97+ 0	0.0000	0.09	Q				
91+55	0.0000	0.16	Q					97+ 5	0.0000	0.09	Q				
92+ 0	0.0000	0.16	Q					97+10	0.0000	0.09	Q				
92+ 5	0.0000	0.16	Q					97+15	0.0000	0.09	Q				
92+10	0.0000	0.15	Q					97+20	0.0000	0.09	Q				
92+15	0.0000	0.15	Q					97+25	0.0000	0.09	Q				
92+20	0.0000	0.15	Q					97+30	0.0000	0.09	Q				
92+25	0.0000	0.15	Q					97+35	0.0000	0.09	Q				
92+30	0.0000	0.15	Q					97+40	0.0000	0.09	Q				
92+35	0.0000	0.15	Q					97+45	0.0000	0.09	Q				
92+40	0.0000	0.15	Q					97+50	0.0000	0.09	Q				
92+45	0.0000	0.14	Q					97+55	0.0000	0.08	Q				
92+50	0.0000	0.14	Q					98+ 0	0.0000	0.08	Q				
92+55	0.0000	0.14	Q					98+ 5	0.0000	0.08	Q				
93+ 0	0.0000	0.14	Q					98+10	0.0000	0.08	Q				
93+ 5	0.0000	0.14	Q					98+15	0.0000	0.08	Q				
93+10	0.0000	0.14	Q					98+20	0.0000	0.08	Q				
93+15	0.0000	0.14	Q					98+25	0.0000	0.08	Q				
93+20	0.0000	0.14	Q					98+30	0.0000	0.08	Q				
93+25	0.0000	0.14	Q					98+35	0.0000	0.08	Q				
93+30	0.0000	0.13	Q					98+40	0.0000	0.08	Q				
93+35	0.0000	0.13	Q					98+45	0.0000	0.08	Q				
93+40	0.0000	0.13	Q					98+50	0.0000	0.08	Q				
93+45	0.0000	0.13	Q					98+55	0.0000	0.08	Q				
93+50	0.0000	0.13	Q					99+ 0	0.0000	0.08	Q				
93+55	0.0000	0.13	Q					99+ 5	0.0000	0.08	Q				
94+ 0	0.0000	0.13	Q					99+10	0.0000	0.07	Q				
94+ 5	0.0000	0.13	Q					99+15	0.0000	0.07	Q				
94+10	0.0000	0.13	Q					99+20	0.0000	0.07	Q				
94+15	0.0000	0.12	Q					99+25	0.0000	0.07	Q				
94+20	0.0000	0.12	Q					99+30	0.0000	0.07	Q				
94+25	0.0000	0.12	Q					99+35	0.0000	0.07	Q				
94+30	0.0000	0.12	Q					99+40	0.0000	0.07	Q				
94+35	0.0000	0.12	Q					99+45	0.0000	0.07	Q				
94+40	0.0000	0.12	Q					99+50	0.0000	0.07	Q				
94+45	0.0000	0.12	Q					99+55	0.0000	0.07	Q				
94+50	0.0000	0.12	Q					100+ 0	0.0000	0.07	Q				
94+55	0.0000	0.12	Q					100+ 5	0.0000	0.07	Q				
95+ 0	0.0000	0.11	Q					100+10	0.0000	0.07	Q				
95+ 5	0.0000	0.11	Q					100+15	0.0000	0.07	Q				
95+10	0.0000	0.11	Q					100+20	0.0000	0.07	Q				
95+15	0.0000	0.11	Q					100+25	0.0000	0.07	Q				
95+20	0.0000	0.11	Q					100+30	0.0000	0.06	Q				
95+25	0.0000	0.11	Q					100+35	0.0000	0.06	Q				

100+40	0.0000	0.06	Q					105+50	0.0000	0.04	Q				
100+45	0.0000	0.06	Q					105+55	0.0000	0.04	Q				
100+50	0.0000	0.06	Q					106+ 0	0.0000	0.04	Q				
100+55	0.0000	0.06	Q					106+ 5	0.0000	0.04	Q				
101+ 0	0.0000	0.06	Q					106+10	0.0000	0.04	Q				
101+ 5	0.0000	0.06	Q					106+15	0.0000	0.04	Q				
101+10	0.0000	0.06	Q					106+20	0.0000	0.04	Q				
101+15	0.0000	0.06	Q					106+25	0.0000	0.04	Q				
101+20	0.0000	0.06	Q					106+30	0.0000	0.03	Q				
101+25	0.0000	0.06	Q					106+35	0.0000	0.03	Q				
101+30	0.0000	0.06	Q					106+40	0.0000	0.03	Q				
101+35	0.0000	0.06	Q					106+45	0.0000	0.03	Q				
101+40	0.0000	0.06	Q					106+50	0.0000	0.03	Q				
101+45	0.0000	0.06	Q					106+55	0.0000	0.03	Q				
101+50	0.0000	0.06	Q					107+ 0	0.0000	0.03	Q				
101+55	0.0000	0.06	Q					107+ 5	0.0000	0.03	Q				
102+ 0	0.0000	0.06	Q					107+10	0.0000	0.03	Q				
102+ 5	0.0000	0.06	Q					107+15	0.0000	0.03	Q				
102+10	0.0000	0.05	Q					107+20	0.0000	0.03	Q				
102+15	0.0000	0.05	Q					107+25	0.0000	0.03	Q				
102+20	0.0000	0.05	Q					107+30	0.0000	0.03	Q				
102+25	0.0000	0.05	Q					107+35	0.0000	0.03	Q				
102+30	0.0000	0.05	Q					107+40	0.0000	0.03	Q				
102+35	0.0000	0.05	Q					107+45	0.0000	0.03	Q				
102+40	0.0000	0.05	Q					107+50	0.0000	0.03	Q				
102+45	0.0000	0.05	Q					107+55	0.0000	0.03	Q				
102+50	0.0000	0.05	Q					108+ 0	0.0000	0.03	Q				
102+55	0.0000	0.05	Q					108+ 5	0.0000	0.03	Q				
103+ 0	0.0000	0.05	Q					108+10	0.0000	0.03	Q				
103+ 5	0.0000	0.05	Q					108+15	0.0000	0.03	Q				
103+10	0.0000	0.05	Q					108+20	0.0000	0.03	Q				
103+15	0.0000	0.05	Q					108+25	0.0000	0.03	Q				
103+20	0.0000	0.05	Q					108+30	0.0000	0.03	Q				
103+25	0.0000	0.05	Q					108+35	0.0000	0.03	Q				
103+30	0.0000	0.05	Q					108+40	0.0000	0.03	Q				
103+35	0.0000	0.05	Q					108+45	0.0000	0.03	Q				
103+40	0.0000	0.05	Q					108+50	0.0000	0.03	Q				
103+45	0.0000	0.05	Q					108+55	0.0000	0.03	Q				
103+50	0.0000	0.05	Q					109+ 0	0.0000	0.03	Q				
103+55	0.0000	0.05	Q					109+ 5	0.0000	0.03	Q				
104+ 0	0.0000	0.05	Q					109+10	0.0000	0.03	Q				
104+ 5	0.0000	0.04	Q					109+15	0.0000	0.03	Q				
104+10	0.0000	0.04	Q					109+20	0.0000	0.03	Q				
104+15	0.0000	0.04	Q					109+25	0.0000	0.03	Q				
104+20	0.0000	0.04	Q					109+30	0.0000	0.03	Q				
104+25	0.0000	0.04	Q					109+35	0.0000	0.03	Q				
104+30	0.0000	0.04	Q					109+40	0.0000	0.03	Q				
104+35	0.0000	0.04	Q					109+45	0.0000	0.02	Q				
104+40	0.0000	0.04	Q					109+50	0.0000	0.02	Q				
104+45	0.0000	0.04	Q					109+55	0.0000	0.02	Q				
104+50	0.0000	0.04	Q					110+ 0	0.0000	0.02	Q				
104+55	0.0000	0.04	Q					110+ 5	0.0000	0.02	Q				
105+ 0	0.0000	0.04	Q					110+10	0.0000	0.02	Q				
105+ 5	0.0000	0.04	Q					110+15	0.0000	0.02	Q				
105+10	0.0000	0.04	Q					110+20	0.0000	0.02	Q				
105+15	0.0000	0.04	Q					110+25	0.0000	0.02	Q				
105+20	0.0000	0.04	Q					110+30	0.0000	0.02	Q				
105+25	0.0000	0.04	Q					110+35	0.0000	0.02	Q				
105+30	0.0000	0.04	Q					110+40	0.0000	0.02	Q				
105+35	0.0000	0.04	Q					110+45	0.0000	0.02	Q				
105+40	0.0000	0.04	Q					110+50	0.0000	0.02	Q				
105+45	0.0000	0.04	Q					110+55	0.0000	0.02	Q				

111+ 0	0.0000	0.02	Q	|	|	|	|	116+10	0.0000	0.01	Q	|	|	|	|
111+ 5	0.0000	0.02	Q	|	|	|	|	116+15	0.0000	0.01	Q	|	|	|	|
111+10	0.0000	0.02	Q	|	|	|	|	116+20	0.0000	0.01	Q	|	|	|	|
111+15	0.0000	0.02	Q	|	|	|	|	116+25	0.0000	0.01	Q	|	|	|	|
111+20	0.0000	0.02	Q	|	|	|	|	116+30	0.0000	0.01	Q	|	|	|	|
111+25	0.0000	0.02	Q	|	|	|	|	116+35	0.0000	0.01	Q	|	|	|	|
111+30	0.0000	0.02	Q	|	|	|	|	116+40	0.0000	0.01	Q	|	|	|	|
111+35	0.0000	0.02	Q	|	|	|	|	116+45	0.0000	0.01	Q	|	|	|	|
111+40	0.0000	0.02	Q	|	|	|	|	116+50	0.0000	0.01	Q	|	|	|	|
111+45	0.0000	0.02	Q	|	|	|	|	116+55	0.0000	0.01	Q	|	|	|	|
111+50	0.0000	0.02	Q	|	|	|	|	117+ 0	0.0000	0.01	Q	|	|	|	|
111+55	0.0000	0.02	Q	|	|	|	|	117+ 5	0.0000	0.01	Q	|	|	|	|
112+ 0	0.0000	0.02	Q	|	|	|	|	117+10	0.0000	0.01	Q	|	|	|	|
112+ 5	0.0000	0.02	Q	|	|	|	|	117+15	0.0000	0.01	Q	|	|	|	|
112+10	0.0000	0.02	Q	|	|	|	|	117+20	0.0000	0.01	Q	|	|	|	|
112+15	0.0000	0.02	Q	|	|	|	|	117+25	0.0000	0.01	Q	|	|	|	|
112+20	0.0000	0.02	Q	|	|	|	|	117+30	0.0000	0.01	Q	|	|	|	|
112+25	0.0000	0.02	Q	|	|	|	|	117+35	0.0000	0.01	Q	|	|	|	|
112+30	0.0000	0.02	Q	|	|	|	|	117+40	0.0000	0.01	Q	|	|	|	|
112+35	0.0000	0.02	Q	|	|	|	|	117+45	0.0000	0.01	Q	|	|	|	|
112+40	0.0000	0.02	Q	|	|	|	|	117+50	0.0000	0.01	Q	|	|	|	|
112+45	0.0000	0.02	Q	|	|	|	|	117+55	0.0000	0.01	Q	|	|	|	|
112+50	0.0000	0.02	Q	|	|	|	|	118+ 0	0.0000	0.01	Q	|	|	|	|
112+55	0.0000	0.02	Q	|	|	|	|	118+ 5	0.0000	0.01	Q	|	|	|	|
113+ 0	0.0000	0.02	Q	|	|	|	|	118+10	0.0000	0.01	Q	|	|	|	|
113+ 5	0.0000	0.02	Q	|	|	|	|	118+15	0.0000	0.01	Q	|	|	|	|
113+10	0.0000	0.02	Q	|	|	|	|	118+20	0.0000	0.01	Q	|	|	|	|
113+15	0.0000	0.02	Q	|	|	|	|	118+25	0.0000	0.01	Q	|	|	|	|
113+20	0.0000	0.02	Q	|	|	|	|	118+30	0.0000	0.01	Q	|	|	|	|
113+25	0.0000	0.02	Q	|	|	|	|	118+35	0.0000	0.01	Q	|	|	|	|
113+30	0.0000	0.02	Q	|	|	|	|	118+40	0.0000	0.01	Q	|	|	|	|
113+35	0.0000	0.02	Q	|	|	|	|	118+45	0.0000	0.01	Q	|	|	|	|
113+40	0.0000	0.02	Q	|	|	|	|	118+50	0.0000	0.01	Q	|	|	|	|
113+45	0.0000	0.02	Q	|	|	|	|	118+55	0.0000	0.01	Q	|	|	|	|
113+50	0.0000	0.02	Q	|	|	|	|	119+ 0	0.0000	0.01	Q	|	|	|	|
113+55	0.0000	0.02	Q	|	|	|	|	119+ 5	0.0000	0.01	Q	|	|	|	|
114+ 0	0.0000	0.02	Q	|	|	|	|	119+10	0.0000	0.01	Q	|	|	|	|
114+ 5	0.0000	0.02	Q	|	|	|	|	119+15	0.0000	0.01	Q	|	|	|	|
114+10	0.0000	0.02	Q	|	|	|	|	119+20	0.0000	0.01	Q	|	|	|	|
114+15	0.0000	0.02	Q	|	|	|	|	119+25	0.0000	0.01	Q	|	|	|	|
114+20	0.0000	0.02	Q	|	|	|	|	119+30	0.0000	0.01	Q	|	|	|	|
114+25	0.0000	0.02	Q	|	|	|	|	119+35	0.0000	0.01	Q	|	|	|	|
114+30	0.0000	0.02	Q	|	|	|	|	119+40	0.0000	0.01	Q	|	|	|	|
114+35	0.0000	0.02	Q	|	|	|	|	119+45	0.0000	0.01	Q	|	|	|	|
114+40	0.0000	0.01	Q	|	|	|	|	119+50	0.0000	0.01	Q	|	|	|	|
114+45	0.0000	0.01	Q	|	|	|	|	119+55	0.0000	0.01	Q	|	|	|	|
114+50	0.0000	0.01	Q	|	|	|	|	120+ 0	0.0000	0.01	Q	|	|	|	|
114+55	0.0000	0.01	Q	|	|	|	|	120+ 5	0.0000	0.01	Q	|	|	|	|
115+ 0	0.0000	0.01	Q	|	|	|	|	120+10	0.0000	0.01	Q	|	|	|	|
115+ 5	0.0000	0.01	Q	|	|	|	|	120+15	0.0000	0.01	Q	|	|	|	|
115+10	0.0000	0.01	Q	|	|	|	|	120+20	0.0000	0.01	Q	|	|	|	|
115+15	0.0000	0.01	Q	|	|	|	|	120+25	0.0000	0.01	Q	|	|	|	|
115+20	0.0000	0.01	Q	|	|	|	|	120+30	0.0000	0.01	Q	|	|	|	|
115+25	0.0000	0.01	Q	|	|	|	|	120+35	0.0000	0.01	Q	|	|	|	|
115+30	0.0000	0.01	Q	|	|	|	|	120+40	0.0000	0.01	Q	|	|	|	|
115+35	0.0000	0.01	Q	|	|	|	|	120+45	0.0000	0.01	Q	|	|	|	|
115+40	0.0000	0.01	Q	|	|	|	|	120+50	0.0000	0.01	Q	|	|	|	|
115+45	0.0000	0.01	Q	|	|	|	|	120+55	0.0000	0.01	Q	|	|	|	|
115+50	0.0000	0.01	Q	|	|	|	|	121+ 0	0.0000	0.01	Q	|	|	|	|
115+55	0.0000	0.01	Q	|	|	|	|	121+ 5	0.0000	0.01	Q	|	|	|	|
116+ 0	0.0000	0.01	Q	|	|	|	|	121+10	0.0000	0.01	Q	|	|	|	|
116+ 5	0.0000	0.01	Q	|	|	|	|	121+15	0.0000	0.01	Q	|	|	|	|

121+20	0.0000	0.01	Q					126+30	0.0000	0.00	Q				
121+25	0.0000	0.01	Q					126+35	0.0000	0.00	Q				
121+30	0.0000	0.01	Q					126+40	0.0000	0.00	Q				
121+35	0.0000	0.01	Q					126+45	0.0000	0.00	Q				
121+40	0.0000	0.01	Q					126+50	0.0000	0.00	Q				
121+45	0.0000	0.01	Q					126+55	0.0000	0.00	Q				
121+50	0.0000	0.01	Q					127+ 0	0.0000	0.00	Q				
121+55	0.0000	0.01	Q					127+ 5	0.0000	0.00	Q				
122+ 0	0.0000	0.01	Q					127+10	0.0000	0.00	Q				
122+ 5	0.0000	0.01	Q					127+15	0.0000	0.00	Q				
122+10	0.0000	0.01	Q					127+20	0.0000	0.00	Q				
122+15	0.0000	0.01	Q					127+25	0.0000	0.00	Q				
122+20	0.0000	0.01	Q					127+30	0.0000	0.00	Q				
122+25	0.0000	0.01	Q					127+35	0.0000	0.00	Q				
122+30	0.0000	0.01	Q					127+40	0.0000	0.00	Q				
122+35	0.0000	0.01	Q					127+45	0.0000	0.00	Q				
122+40	0.0000	0.01	Q					127+50	0.0000	0.00	Q				
122+45	0.0000	0.01	Q					127+55	0.0000	0.00	Q				
122+50	0.0000	0.01	Q					128+ 0	0.0000	0.00	Q				
122+55	0.0000	0.01	Q					128+ 5	0.0000	0.00	Q				
123+ 0	0.0000	0.01	Q					128+10	0.0000	0.00	Q				
123+ 5	0.0000	0.01	Q					128+15	0.0000	0.00	Q				
123+10	0.0000	0.01	Q					128+20	0.0000	0.00	Q				
123+15	0.0000	0.01	Q					128+25	0.0000	0.00	Q				
123+20	0.0000	0.01	Q					128+30	0.0000	0.00	Q				
123+25	0.0000	0.01	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.01	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.01	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.01	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.01	Q					128+55	0.0000	0.00	Q				
123+50	0.0000	0.01	Q					129+ 0	0.0000	0.00	Q				
123+55	0.0000	0.01	Q					129+ 5	0.0000	0.00	Q				
124+ 0	0.0000	0.01	Q					129+10	0.0000	0.00	Q				
124+ 5	0.0000	0.01	Q					129+15	0.0000	0.00	Q				
124+10	0.0000	0.01	Q					129+20	0.0000	0.00	Q				
124+15	0.0000	0.01	Q					129+25	0.0000	0.00	Q				
124+20	0.0000	0.01	Q					129+30	0.0000	0.00	Q				
124+25	0.0000	0.01	Q					129+35	0.0000	0.00	Q				
124+30	0.0000	0.01	Q					129+40	0.0000	0.00	Q				
124+35	0.0000	0.01	Q					129+45	0.0000	0.00	Q				
124+40	0.0000	0.01	Q					129+50	0.0000	0.00	Q				
124+45	0.0000	0.01	Q					129+55	0.0000	0.00	Q				
124+50	0.0000	0.01	Q					130+ 0	0.0000	0.00	Q				
124+55	0.0000	0.01	Q					130+ 5	0.0000	0.00	Q				
125+ 0	0.0000	0.01	Q					130+10	0.0000	0.00	Q				
125+ 5	0.0000	0.01	Q					130+15	0.0000	0.00	Q				
125+10	0.0000	0.01	Q					130+20	0.0000	0.00	Q				
125+15	0.0000	0.00	Q					130+25	0.0000	0.00	Q				
125+20	0.0000	0.00	Q					130+30	0.0000	0.00	Q				
125+25	0.0000	0.00	Q					130+35	0.0000	0.00	Q				
125+30	0.0000	0.00	Q					130+40	0.0000	0.00	Q				
125+35	0.0000	0.00	Q					130+45	0.0000	0.00	Q				
125+40	0.0000	0.00	Q					130+50	0.0000	0.00	Q				
125+45	0.0000	0.00	Q					130+55	0.0000	0.00	Q				
125+50	0.0000	0.00	Q					131+ 0	0.0000	0.00	Q				
125+55	0.0000	0.00	Q					131+ 5	0.0000	0.00	Q				
126+ 0	0.0000	0.00	Q					131+10	0.0000	0.00	Q				
126+ 5	0.0000	0.00	Q					131+15	0.0000	0.00	Q				
126+10	0.0000	0.00	Q					131+20	0.0000	0.00	Q				
126+15	0.0000	0.00	Q					131+25	0.0000	0.00	Q				
126+20	0.0000	0.00	Q					131+30	0.0000	0.00	Q				
126+25	0.0000	0.00	Q					131+35	0.0000	0.00	Q				

131+40	0.0000	0.00	Q				
131+45	0.0000	0.00	Q				
131+50	0.0000	0.00	Q				
131+55	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q				
132+10	0.0000	0.00	Q				
132+15	0.0000	0.00	Q				
132+20	0.0000	0.00	Q				
132+25	0.0000	0.00	Q				
132+30	0.0000	0.00	Q				
132+35	0.0000	0.00	Q				
132+40	0.0000	0.00	Q				
132+45	0.0000	0.00	Q				
132+50	0.0000	0.00	Q				
132+55	0.0000	0.00	Q				
133+ 0	0.0000	0.00	Q				
133+ 5	0.0000	0.00	Q				
133+10	0.0000	0.00	Q				
133+15	0.0000	0.00	Q				
133+20	0.0000	0.00	Q				
133+25	0.0000	0.00	Q				
133+30	0.0000	0.00	Q				
133+35	0.0000	0.00	Q				
133+40	0.0000	0.00	Q				
133+45	0.0000	0.00	Q				
133+50	0.0000	0.00	Q				
133+55	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q				
134+10	0.0000	0.00	Q				
134+15	0.0000	0.00	Q				
134+20	0.0000	0.00	Q				
134+25	0.0000	0.00	Q				
134+30	0.0000	0.00	Q				
134+35	0.0000	0.00	Q				
134+40	0.0000	0.00	Q				
134+45	0.0000	0.00	Q				
134+50	0.0000	0.00	Q				
134+55	0.0000	0.00	Q				
135+ 0	0.0000	0.00	Q				
135+ 5	0.0000	0.00	Q				
135+10	0.0000	0.00	Q				
135+15	0.0000	0.00	Q				
135+20	0.0000	0.00	Q				
135+25	0.0000	0.00	Q				
135+30	0.0000	0.00	Q				
135+35	0.0000	0.00	Q				
135+40	0.0000	0.00	Q				
135+45	0.0000	0.00	Q				
135+50	0.0000	0.00	Q				
135+55	0.0000	0.00	Q				
136+ 0	0.0000	0.00	Q				
136+ 5	0.0000	0.00	Q				
136+10	0.0000	0.00	Q				
136+15	0.0000	0.00	Q				
136+20	0.0000	0.00	Q				
136+25	0.0000	0.00	Q				
136+30	0.0000	0.00	Q				
136+35	0.0000	0.00	Q				
136+40	0.0000	0.00	Q				
136+45	0.0000	0.00	Q				
136+50	0.0000	0.00	Q				
136+55	0.0000	0.00	Q				
137+ 0	0.0000	0.00	Q				
137+ 5	0.0000	0.00	Q				
137+10	0.0000	0.00	Q				
137+15	0.0000	0.00	Q				
137+20	0.0000	0.00	Q				
137+25	0.0000	0.00	Q				
137+30	0.0000	0.00	Q				
137+35	0.0000	0.00	Q				
137+40	0.0000	0.00	Q				
137+45	0.0000	0.00	Q				
137+50	0.0000	0.00	Q				
137+55	0.0000	0.00	Q				
138+ 0	0.0000	0.00	Q				
138+ 5	0.0000	0.00	Q				
138+10	0.0000	0.00	Q				
138+15	0.0000	0.00	Q				
138+20	0.0000	0.00	Q				
138+25	0.0000	0.00	Q				
138+30	0.0000	0.00	Q				
138+35	0.0000	0.00	Q				
138+40	0.0000	0.00	Q				
138+45	0.0000	0.00	Q				
138+50	0.0000	0.00	Q				
138+55	0.0000	0.00	Q				
139+ 0	0.0000	0.00	Q				
139+ 5	0.0000	0.00	Q				
139+10	0.0000	0.00	Q				
139+15	0.0000	0.00	Q				
139+20	0.0000	0.00	Q				
139+25	0.0000	0.00	Q				
139+30	0.0000	0.00	Q				
139+35	0.0000	0.00	Q				
139+40	0.0000	0.00	Q				
139+45	0.0000	0.00	Q				
139+50	0.0000	0.00	Q				
139+55	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 1690
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 218.665 (CFS)
Total volume = 94.374 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.354	42.595	10.790	0.000	0.000
Vol (Ac.Ft)	0.369	18.862	4.173	0.000	0.000

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Process from Point/Station 10.200 to Point/Station 10.960

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 1 the total
volume of 0.37 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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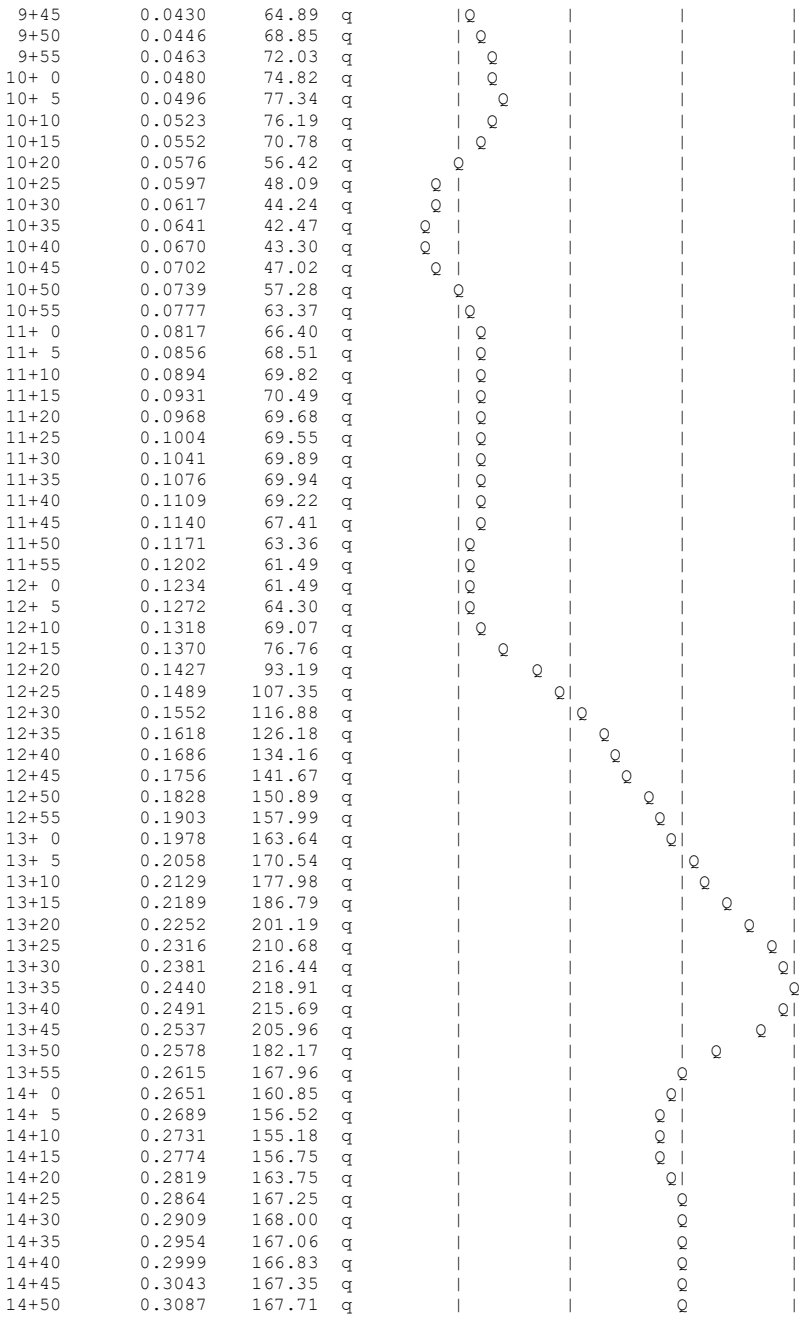
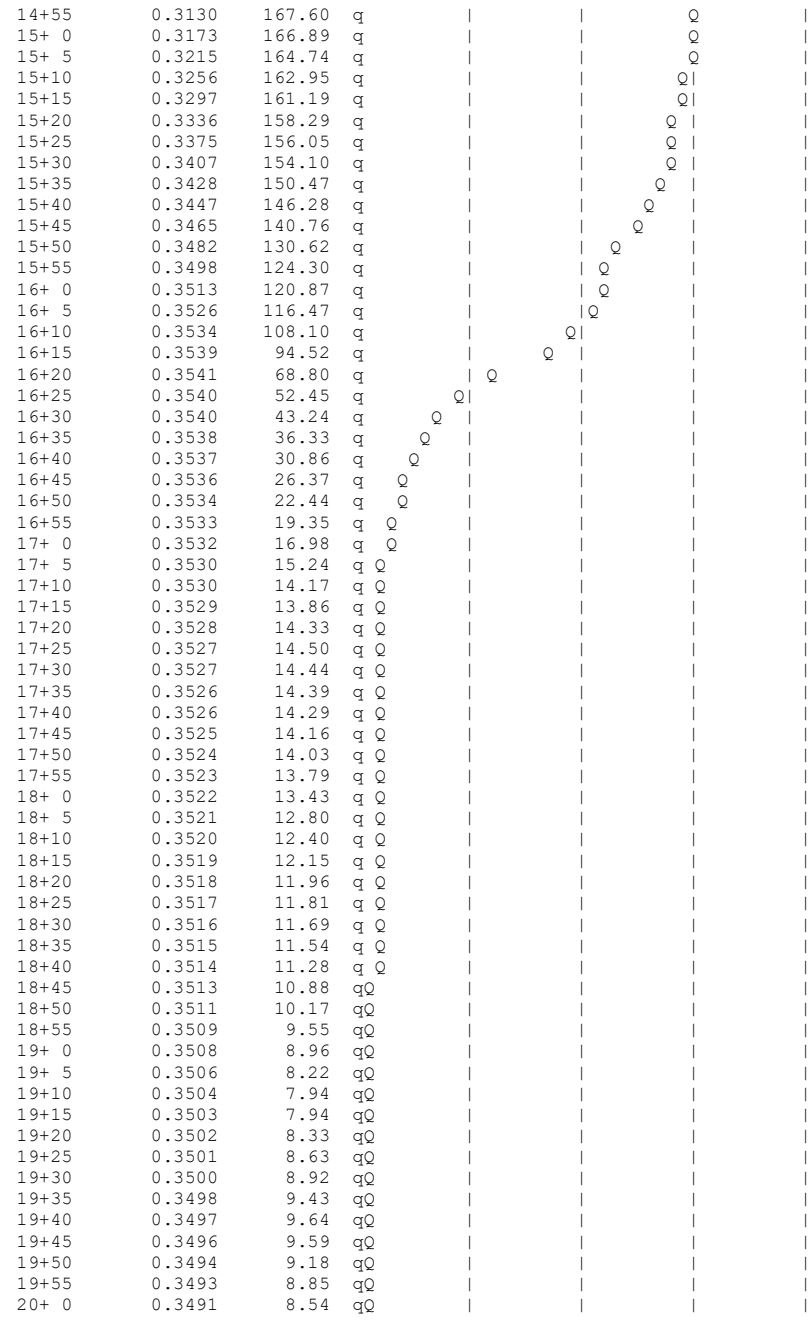
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	54.7	109.5	164.2	218.9
0+ 5	0.0000	0.08	Q				
0+10	0.0001	0.33	Q				
0+15	0.0001	0.81	Q				
0+20	0.0002	1.89	Q				
0+25	0.0003	2.66	Q				
0+30	0.0004	3.23	Q				
0+35	0.0006	3.99	Q				
0+40	0.0007	4.50	Q				
0+45	0.0008	4.81	Q				
0+50	0.0009	5.09	Q				
0+55	0.0011	5.41	Q				
1+ 0	0.0012	5.80	qQ				
1+ 5	0.0013	6.40	qQ				
1+10	0.0015	6.70	qQ				
1+15	0.0016	6.69	qQ				
1+20	0.0017	6.35	qQ				
1+25	0.0018	6.17	qQ				
1+30	0.0019	6.11	qQ				
1+35	0.0021	6.08	qQ				
1+40	0.0022	6.07	qQ				
1+45	0.0023	6.07	qQ				
1+50	0.0024	6.10	qQ				
1+55	0.0026	6.21	qQ				
2+ 0	0.0027	6.44	qQ				
2+ 5	0.0029	6.95	qQ				
2+10	0.0030	7.26	qQ				
2+15	0.0032	7.43	qQ				
2+20	0.0033	7.55	qQ				
2+25	0.0035	7.64	qQ				
2+30	0.0036	7.72	qQ				
2+35	0.0038	7.82	qQ				
2+40	0.0040	7.99	qQ				
2+45	0.0041	8.27	qQ				
2+50	0.0043	8.82	qQ				
2+55	0.0045	9.16	qQ				
3+ 0	0.0047	9.34	qQ				
3+ 5	0.0049	9.47	qQ				
3+10	0.0051	9.57	qQ				
3+15	0.0053	9.65	qQ				
3+20	0.0055	9.74	qQ				
3+25	0.0057	9.82	qQ				
3+30	0.0059	9.88	qQ				
3+35	0.0060	9.94	qQ				
3+40	0.0062	9.98	qQ				
3+45	0.0064	10.02	qQ				
3+50	0.0066	10.10	qQ				
3+55	0.0068	10.26	qQ				
4+ 0	0.0071	10.53	qQ				
4+ 5	0.0073	11.08	q Q				
4+10	0.0075	11.43	q Q				
4+15	0.0077	11.63	q Q				
4+20	0.0080	11.82	q Q				
4+25	0.0082	12.07	q Q				
4+30	0.0085	12.41	q Q				
4+35	0.0088	13.02	q Q				
4+40	0.0090	13.40	q Q				
4+45	0.0093	13.61	q Q				
4+50	0.0096	13.81	q Q				
4+55	0.0099	14.05	q Q				
5+ 0	0.0102	14.38	q Q				
5+ 5	0.0104	14.90	q Q				
5+10	0.0107	15.04	q Q				
5+15	0.0109	14.78	q Q				
5+20	0.0112	13.94	q Q				
5+25	0.0114	13.56	q Q				
5+30	0.0117	13.58	q Q				
5+35	0.0119	13.98	q Q				
5+40	0.0122	14.31	q Q				
5+45	0.0125	14.63	q Q				
5+50	0.0128	15.20	q Q				
5+55	0.0131	15.56	q Q				
6+ 0	0.0134	15.75	q Q				
6+ 5	0.0137	15.93	q Q				
6+10	0.0141	16.17	q Q				
6+15	0.0144	16.51	q Q				
6+20	0.0147	17.11	q Q				
6+25	0.0151	17.49	q Q				
6+30	0.0154	17.70	q Q				
6+35	0.0158	17.90	q Q				
6+40	0.0161	18.14	q Q				
6+45	0.0165	18.47	q Q				
6+50	0.0169	19.06	q Q				
6+55	0.0172	19.44	q Q				
7+ 0	0.0176	19.66	q Q				
7+ 5	0.0180	19.82	q Q				
7+10	0.0184	19.95	q Q				
7+15	0.0187	20.04	q Q				
7+20	0.0191	20.16	q Q				
7+25	0.0195	20.34	q Q				
7+30	0.0199	20.63	q Q				
7+35	0.0204	21.23	q Q				
7+40	0.0208	21.70	q Q				
7+45	0.0212	22.13	q Q				
7+50	0.0217	22.82	q Q				
7+55	0.0222	23.37	q Q				
8+ 0	0.0227	23.86	q Q				
8+ 5	0.0232	24.64	q Q				
8+10	0.0237	25.35	q Q				
8+15	0.0243	26.10	q Q				
8+20	0.0250	27.35	q Q				
8+25	0.0257	28.14	q Q				
8+30	0.0264	28.60	q Q				
8+35	0.0271	28.97	q Q				
8+40	0.0279	29.35	q Q				
8+45	0.0287	29.79	q Q				
8+50	0.0295	30.63	q Q				
8+55	0.0303	31.62	q Q				
9+ 0	0.0312	32.93	q Q				
9+ 5	0.0322	35.81	q Q				
9+10	0.0333	38.61	q Q				
9+15	0.0345	41.76	q Q				
9+20	0.0357	47.36	q Q				
9+25	0.0371	51.43	q Q				
9+30	0.0384	54.59	q Q				
9+35	0.0399	58.70	q Q				
9+40	0.0414	61.99	q Q				





20+ 5	0.3489	8.01	qQ	25+15	0.0000	2.78	Q
20+10	0.3488	7.79	qQ	25+20	0.0000	2.76	Q
20+15	0.3486	7.82	qQ	25+25	0.0000	2.75	Q
20+20	0.3485	8.20	qQ	25+30	0.0000	2.74	Q
20+25	0.3484	8.40	qQ	25+35	0.0000	2.73	Q
20+30	0.3482	8.47	qQ	25+40	0.0000	2.72	Q
20+35	0.3481	8.51	qQ	25+45	0.0000	2.71	Q
20+40	0.3479	8.54	qQ	25+50	0.0000	2.70	Q
20+45	0.3478	8.58	qQ	25+55	0.0000	2.70	Q
20+50	0.3477	8.57	qQ	26+ 0	0.0000	2.69	Q
20+55	0.3475	8.47	qQ	26+ 5	0.0000	2.69	Q
21+ 0	0.3473	8.26	qQ	26+10	0.0000	2.69	Q
21+ 5	0.3472	7.80	qQ	26+15	0.0000	2.69	Q
21+10	0.3470	7.62	qQ	26+20	0.0000	2.68	Q
21+15	0.3469	7.69	qQ	26+25	0.0000	2.68	Q
21+20	0.3467	8.06	qQ	26+30	0.0000	2.68	Q
21+25	0.3465	8.16	qQ	26+35	0.0000	2.68	Q
21+30	0.3464	8.02	qQ	26+40	0.0000	2.67	Q
21+35	0.3462	7.60	qQ	26+45	0.0000	2.67	Q
21+40	0.3461	7.45	qQ	26+50	0.0000	2.67	Q
21+45	0.3459	7.56	qQ	26+55	0.0000	2.67	Q
21+50	0.3458	7.96	qQ	27+ 0	0.0000	2.67	Q
21+55	0.3456	8.09	qQ	27+ 5	0.0000	2.66	Q
22+ 0	0.3454	7.97	qQ	27+10	0.0000	2.66	Q
22+ 5	0.3453	7.57	qQ	27+15	0.0000	2.66	Q
22+10	0.3451	7.44	qQ	27+20	0.0000	2.66	Q
22+15	0.3450	7.55	qQ	27+25	0.0000	2.66	Q
22+20	0.3448	7.95	qQ	27+30	0.0000	2.65	Q
22+25	0.3447	8.08	qQ	27+35	0.0000	2.65	Q
22+30	0.3445	7.96	qQ	27+40	0.0000	2.65	Q
22+35	0.3443	7.52	qQ	27+45	0.0000	2.65	Q
22+40	0.3442	7.26	qQ	27+50	0.0000	2.65	Q
22+45	0.3440	7.15	qQ	27+55	0.0000	2.64	Q
22+50	0.3438	7.06	qQ	28+ 0	0.0000	2.64	Q
22+55	0.3436	7.01	qQ	28+ 5	0.0000	2.64	Q
23+ 0	0.3435	6.96	qQ	28+10	0.0000	2.64	Q
23+ 5	0.3433	6.93	qQ	28+15	0.0000	2.64	Q
23+10	0.3431	6.90	qQ	28+20	0.0000	2.63	Q
23+15	0.3430	6.87	qQ	28+25	0.0000	2.63	Q
23+20	0.3428	6.85	qQ	28+30	0.0000	2.63	Q
23+25	0.3426	6.84	qQ	28+35	0.0000	2.63	Q
23+30	0.3424	6.83	qQ	28+40	0.0000	2.62	Q
23+35	0.3423	6.82	qQ	28+45	0.0000	2.62	Q
23+40	0.3421	6.82	qQ	28+50	0.0000	2.62	Q
23+45	0.3419	6.82	qQ	28+55	0.0000	2.62	Q
23+50	0.3417	6.81	qQ	29+ 0	0.0000	2.62	Q
23+55	0.3416	6.81	qQ	29+ 5	0.0000	2.61	Q
24+ 0	0.3414	6.81	qQ	29+10	0.0000	2.61	Q
24+ 5	0.3412	6.73	qQ	29+15	0.0000	2.61	Q
24+10	0.3410	6.48	qQ	29+20	0.0000	2.61	Q
24+15	0.3407	6.01	qQ	29+25	0.0000	2.61	Q
24+20	0.3405	4.97	Q	29+30	0.0000	2.60	Q
24+25	0.3402	4.35	Q	29+35	0.0000	2.60	Q
24+30	0.3400	4.03	Q	29+40	0.0000	2.60	Q
24+35	0.3396	3.80	Q	29+45	0.0000	2.60	Q
24+40	0.3391	3.62	Q	29+50	0.0000	2.59	Q
24+45	0.3387	3.48	Q	29+55	0.0000	2.59	Q
24+50	0.3383	3.38	Q	30+ 0	0.0000	2.59	Q
24+55	0.3379	3.29	Q	30+ 5	0.0000	2.59	Q
25+ 0	0.3374	3.22	Q	30+10	0.0000	2.59	Q
25+ 5	0.0000	2.84	Q	30+15	0.0000	2.58	Q
25+10	0.0000	2.80	Q	30+20	0.0000	2.58	Q

30+25	0.0000	2.58	Q					35+35	0.0000	2.44	Q				
30+30	0.0000	2.58	Q					35+40	0.0000	2.43	Q				
30+35	0.0000	2.58	Q					35+45	0.0000	2.43	Q				
30+40	0.0000	2.57	Q					35+50	0.0000	2.43	Q				
30+45	0.0000	2.57	Q					35+55	0.0000	2.43	Q				
30+50	0.0000	2.57	Q					36+ 0	0.0000	2.42	Q				
30+55	0.0000	2.57	Q					36+ 5	0.0000	2.42	Q				
31+ 0	0.0000	2.56	Q					36+10	0.0000	2.42	Q				
31+ 5	0.0000	2.56	Q					36+15	0.0000	2.42	Q				
31+10	0.0000	2.56	Q					36+20	0.0000	2.41	Q				
31+15	0.0000	2.56	Q					36+25	0.0000	2.41	Q				
31+20	0.0000	2.56	Q					36+30	0.0000	2.41	Q				
31+25	0.0000	2.55	Q					36+35	0.0000	2.41	Q				
31+30	0.0000	2.55	Q					36+40	0.0000	2.40	Q				
31+35	0.0000	2.55	Q					36+45	0.0000	2.40	Q				
31+40	0.0000	2.55	Q					36+50	0.0000	2.40	Q				
31+45	0.0000	2.55	Q					36+55	0.0000	2.40	Q				
31+50	0.0000	2.54	Q					37+ 0	0.0000	2.39	Q				
31+55	0.0000	2.54	Q					37+ 5	0.0000	2.39	Q				
32+ 0	0.0000	2.54	Q					37+10	0.0000	2.39	Q				
32+ 5	0.0000	2.54	Q					37+15	0.0000	2.39	Q				
32+10	0.0000	2.54	Q					37+20	0.0000	2.38	Q				
32+15	0.0000	2.53	Q					37+25	0.0000	2.38	Q				
32+20	0.0000	2.53	Q					37+30	0.0000	2.38	Q				
32+25	0.0000	2.53	Q					37+35	0.0000	2.38	Q				
32+30	0.0000	2.53	Q					37+40	0.0000	2.37	Q				
32+35	0.0000	2.52	Q					37+45	0.0000	2.37	Q				
32+40	0.0000	2.52	Q					37+50	0.0000	2.37	Q				
32+45	0.0000	2.52	Q					37+55	0.0000	2.37	Q				
32+50	0.0000	2.52	Q					38+ 0	0.0000	2.37	Q				
32+55	0.0000	2.52	Q					38+ 5	0.0000	2.36	Q				
33+ 0	0.0000	2.51	Q					38+10	0.0000	2.36	Q				
33+ 5	0.0000	2.51	Q					38+15	0.0000	2.36	Q				
33+10	0.0000	2.51	Q					38+20	0.0000	2.35	Q				
33+15	0.0000	2.51	Q					38+25	0.0000	2.35	Q				
33+20	0.0000	2.51	Q					38+30	0.0000	2.35	Q				
33+25	0.0000	2.50	Q					38+35	0.0000	2.35	Q				
33+30	0.0000	2.50	Q					38+40	0.0000	2.34	Q				
33+35	0.0000	2.50	Q					38+45	0.0000	2.34	Q				
33+40	0.0000	2.49	Q					38+50	0.0000	2.34	Q				
33+45	0.0000	2.49	Q					38+55	0.0000	2.33	Q				
33+50	0.0000	2.49	Q					39+ 0	0.0000	2.33	Q				
33+55	0.0000	2.49	Q					39+ 5	0.0000	2.33	Q				
34+ 0	0.0000	2.48	Q					39+10	0.0000	2.33	Q				
34+ 5	0.0000	2.48	Q					39+15	0.0000	2.32	Q				
34+10	0.0000	2.48	Q					39+20	0.0000	2.32	Q				
34+15	0.0000	2.48	Q					39+25	0.0000	2.32	Q				
34+20	0.0000	2.47	Q					39+30	0.0000	2.31	Q				
34+25	0.0000	2.47	Q					39+35	0.0000	2.31	Q				
34+30	0.0000	2.47	Q					39+40	0.0000	2.31	Q				
34+35	0.0000	2.47	Q					39+45	0.0000	2.31	Q				
34+40	0.0000	2.46	Q					39+50	0.0000	2.30	Q				
34+45	0.0000	2.46	Q					39+55	0.0000	2.30	Q				
34+50	0.0000	2.46	Q					40+ 0	0.0000	2.30	Q				
34+55	0.0000	2.46	Q					40+ 5	0.0000	2.30	Q				
35+ 0	0.0000	2.45	Q					40+10	0.0000	2.29	Q				
35+ 5	0.0000	2.45	Q					40+15	0.0000	2.29	Q				
35+10	0.0000	2.45	Q					40+20	0.0000	2.29	Q				
35+15	0.0000	2.45	Q					40+25	0.0000	2.28	Q				
35+20	0.0000	2.44	Q					40+30	0.0000	2.28	Q				
35+25	0.0000	2.44	Q					40+35	0.0000	2.28	Q				
35+30	0.0000	2.44	Q					40+40	0.0000	2.28	Q				

40+45	0.0000	2.27	Q					45+55	0.0000	2.10	Q				
40+50	0.0000	2.27	Q					46+ 0	0.0000	2.10	Q				
40+55	0.0000	2.27	Q					46+ 5	0.0000	2.09	Q				
41+ 0	0.0000	2.26	Q					46+10	0.0000	2.09	Q				
41+ 5	0.0000	2.26	Q					46+15	0.0000	2.09	Q				
41+10	0.0000	2.26	Q					46+20	0.0000	2.08	Q				
41+15	0.0000	2.26	Q					46+25	0.0000	2.08	Q				
41+20	0.0000	2.25	Q					46+30	0.0000	2.08	Q				
41+25	0.0000	2.25	Q					46+35	0.0000	2.08	Q				
41+30	0.0000	2.25	Q					46+40	0.0000	2.07	Q				
41+35	0.0000	2.25	Q					46+45	0.0000	2.07	Q				
41+40	0.0000	2.24	Q					46+50	0.0000	2.07	Q				
41+45	0.0000	2.24	Q					46+55	0.0000	2.07	Q				
41+50	0.0000	2.24	Q					47+ 0	0.0000	2.06	Q				
41+55	0.0000	2.23	Q					47+ 5	0.0000	2.06	Q				
42+ 0	0.0000	2.23	Q					47+10	0.0000	2.06	Q				
42+ 5	0.0000	2.23	Q					47+15	0.0000	2.05	Q				
42+10	0.0000	2.23	Q					47+20	0.0000	2.05	Q				
42+15	0.0000	2.22	Q					47+25	0.0000	2.05	Q				
42+20	0.0000	2.22	Q					47+30	0.0000	2.05	Q				
42+25	0.0000	2.22	Q					47+35	0.0000	2.04	Q				
42+30	0.0000	2.22	Q					47+40	0.0000	2.04	Q				
42+35	0.0000	2.21	Q					47+45	0.0000	2.04	Q				
42+40	0.0000	2.21	Q					47+50	0.0000	2.03	Q				
42+45	0.0000	2.21	Q					47+55	0.0000	2.03	Q				
42+50	0.0000	2.20	Q					48+ 0	0.0000	2.03	Q				
42+55	0.0000	2.20	Q					48+ 5	0.0000	2.02	Q				
43+ 0	0.0000	2.20	Q					48+10	0.0000	2.02	Q				
43+ 5	0.0000	2.20	Q					48+15	0.0000	2.02	Q				
43+10	0.0000	2.19	Q					48+20	0.0000	2.01	Q				
43+15	0.0000	2.19	Q					48+25	0.0000	2.01	Q				
43+20	0.0000	2.19	Q					48+30	0.0000	2.01	Q				
43+25	0.0000	2.18	Q					48+35	0.0000	2.00	Q				
43+30	0.0000	2.18	Q					48+40	0.0000	2.00	Q				
43+35	0.0000	2.18	Q					48+45	0.0000	1.99	Q				
43+40	0.0000	2.18	Q					48+50	0.0000	1.99	Q				
43+45	0.0000	2.17	Q					48+55	0.0000	1.99	Q				
43+50	0.0000	2.17	Q					49+ 0	0.0000	1.98	Q				
43+55	0.0000	2.17	Q					49+ 5	0.0000	1.98	Q				
44+ 0	0.0000	2.16	Q					49+10	0.0000	1.98	Q				
44+ 5	0.0000	2.16	Q					49+15	0.0000	1.97	Q				
44+10	0.0000	2.16	Q					49+20	0.0000	1.97	Q				
44+15	0.0000	2.16	Q					49+25	0.0000	1.97	Q				
44+20	0.0000	2.15	Q					49+30	0.0000	1.96	Q				
44+25	0.0000	2.15	Q					49+35	0.0000	1.96	Q				
44+30	0.0000	2.15	Q					49+40	0.0000	1.96	Q				
44+35	0.0000	2.14	Q					49+45	0.0000	1.95	Q				
44+40	0.0000	2.14	Q					49+50	0.0000	1.95	Q				
44+45	0.0000	2.14	Q					49+55	0.0000	1.95	Q				
44+50	0.0000	2.14	Q					50+ 0	0.0000	1.94	Q				
44+55	0.0000	2.13	Q					50+ 5	0.0000	1.94	Q				
45+ 0	0.0000	2.13	Q					50+10	0.0000	1.94	Q				
45+ 5	0.0000	2.13	Q					50+15	0.0000	1.93	Q				
45+10	0.0000	2.12	Q					50+20	0.0000	1.93	Q				
45+15	0.0000	2.12	Q					50+25	0.0000	1.93	Q				
45+20	0.0000	2.12	Q					50+30	0.0000	1.92	Q				
45+25	0.0000	2.12	Q					50+35	0.0000	1.92	Q				
45+30	0.0000	2.11	Q					50+40	0.0000	1.92	Q				
45+35	0.0000	2.11	Q					50+45	0.0000	1.91	Q				
45+40	0.0000	2.11	Q					50+50	0.0000	1.91	Q				
45+45	0.0000	2.10	Q					50+55	0.0000	1.91	Q				
45+50	0.0000	2.10	Q					51+ 0	0.0000	1.90	Q				

51+ 5	0.0000	1.90	Q					56+15	0.0000	1.68	Q				
51+10	0.0000	1.90	Q					56+20	0.0000	1.68	Q				
51+15	0.0000	1.89	Q					56+25	0.0000	1.67	Q				
51+20	0.0000	1.89	Q					56+30	0.0000	1.67	Q				
51+25	0.0000	1.89	Q					56+35	0.0000	1.67	Q				
51+30	0.0000	1.88	Q					56+40	0.0000	1.66	Q				
51+35	0.0000	1.88	Q					56+45	0.0000	1.66	Q				
51+40	0.0000	1.88	Q					56+50	0.0000	1.66	Q				
51+45	0.0000	1.87	Q					56+55	0.0000	1.65	Q				
51+50	0.0000	1.87	Q					57+ 0	0.0000	1.65	Q				
51+55	0.0000	1.87	Q					57+ 5	0.0000	1.64	Q				
52+ 0	0.0000	1.86	Q					57+10	0.0000	1.64	Q				
52+ 5	0.0000	1.86	Q					57+15	0.0000	1.63	Q				
52+10	0.0000	1.86	Q					57+20	0.0000	1.63	Q				
52+15	0.0000	1.85	Q					57+25	0.0000	1.63	Q				
52+20	0.0000	1.85	Q					57+30	0.0000	1.62	Q				
52+25	0.0000	1.85	Q					57+35	0.0000	1.62	Q				
52+30	0.0000	1.84	Q					57+40	0.0000	1.61	Q				
52+35	0.0000	1.84	Q					57+45	0.0000	1.61	Q				
52+40	0.0000	1.83	Q					57+50	0.0000	1.60	Q				
52+45	0.0000	1.83	Q					57+55	0.0000	1.60	Q				
52+50	0.0000	1.83	Q					58+ 0	0.0000	1.59	Q				
52+55	0.0000	1.82	Q					58+ 5	0.0000	1.59	Q				
53+ 0	0.0000	1.82	Q					58+10	0.0000	1.59	Q				
53+ 5	0.0000	1.82	Q					58+15	0.0000	1.58	Q				
53+10	0.0000	1.81	Q					58+20	0.0000	1.58	Q				
53+15	0.0000	1.81	Q					58+25	0.0000	1.57	Q				
53+20	0.0000	1.80	Q					58+30	0.0000	1.57	Q				
53+25	0.0000	1.80	Q					58+35	0.0000	1.56	Q				
53+30	0.0000	1.80	Q					58+40	0.0000	1.56	Q				
53+35	0.0000	1.79	Q					58+45	0.0000	1.55	Q				
53+40	0.0000	1.79	Q					58+50	0.0000	1.55	Q				
53+45	0.0000	1.79	Q					58+55	0.0000	1.55	Q				
53+50	0.0000	1.78	Q					59+ 0	0.0000	1.54	Q				
53+55	0.0000	1.78	Q					59+ 5	0.0000	1.54	Q				
54+ 0	0.0000	1.78	Q					59+10	0.0000	1.53	Q				
54+ 5	0.0000	1.77	Q					59+15	0.0000	1.53	Q				
54+10	0.0000	1.77	Q					59+20	0.0000	1.52	Q				
54+15	0.0000	1.76	Q					59+25	0.0000	1.52	Q				
54+20	0.0000	1.76	Q					59+30	0.0000	1.52	Q				
54+25	0.0000	1.76	Q					59+35	0.0000	1.51	Q				
54+30	0.0000	1.75	Q					59+40	0.0000	1.51	Q				
54+35	0.0000	1.75	Q					59+45	0.0000	1.50	Q				
54+40	0.0000	1.75	Q					59+50	0.0000	1.50	Q				
54+45	0.0000	1.74	Q					59+55	0.0000	1.50	Q				
54+50	0.0000	1.74	Q					60+ 0	0.0000	1.49	Q				
54+55	0.0000	1.74	Q					60+ 5	0.0000	1.49	Q				
55+ 0	0.0000	1.73	Q					60+10	0.0000	1.48	Q				
55+ 5	0.0000	1.73	Q					60+15	0.0000	1.48	Q				
55+10	0.0000	1.72	Q					60+20	0.0000	1.47	Q				
55+15	0.0000	1.72	Q					60+25	0.0000	1.47	Q				
55+20	0.0000	1.72	Q					60+30	0.0000	1.47	Q				
55+25	0.0000	1.71	Q					60+35	0.0000	1.46	Q				
55+30	0.0000	1.71	Q					60+40	0.0000	1.46	Q				
55+35	0.0000	1.71	Q					60+45	0.0000	1.45	Q				
55+40	0.0000	1.70	Q					60+50	0.0000	1.45	Q				
55+45	0.0000	1.70	Q					60+55	0.0000	1.45	Q				
55+50	0.0000	1.70	Q					61+ 0	0.0000	1.44	Q				
55+55	0.0000	1.69	Q					61+ 5	0.0000	1.44	Q				
56+ 0	0.0000	1.69	Q					61+10	0.0000	1.43	Q				
56+ 5	0.0000	1.69	Q					61+15	0.0000	1.43	Q				
56+10	0.0000	1.68	Q					61+20	0.0000	1.43	Q				

61+25	0.0000	1.42	Q					66+35	0.0000	1.13	Q				
61+30	0.0000	1.42	Q					66+40	0.0000	1.12	Q				
61+35	0.0000	1.41	Q					66+45	0.0000	1.11	Q				
61+40	0.0000	1.41	Q					66+50	0.0000	1.11	Q				
61+45	0.0000	1.41	Q					66+55	0.0000	1.10	Q				
61+50	0.0000	1.40	Q					67+ 0	0.0000	1.09	Q				
61+55	0.0000	1.39	Q					67+ 5	0.0000	1.08	Q				
62+ 0	0.0000	1.39	Q					67+10	0.0000	1.07	Q				
62+ 5	0.0000	1.38	Q					67+15	0.0000	1.06	Q				
62+10	0.0000	1.38	Q					67+20	0.0000	1.05	Q				
62+15	0.0000	1.37	Q					67+25	0.0000	1.04	Q				
62+20	0.0000	1.37	Q					67+30	0.0000	1.03	Q				
62+25	0.0000	1.36	Q					67+35	0.0000	1.03	Q				
62+30	0.0000	1.36	Q					67+40	0.0000	1.02	Q				
62+35	0.0000	1.35	Q					67+45	0.0000	1.01	Q				
62+40	0.0000	1.35	Q					67+50	0.0000	1.00	Q				
62+45	0.0000	1.34	Q					67+55	0.0000	0.99	Q				
62+50	0.0000	1.34	Q					68+ 0	0.0000	0.98	Q				
62+55	0.0000	1.33	Q					68+ 5	0.0000	0.98	Q				
63+ 0	0.0000	1.33	Q					68+10	0.0000	0.97	Q				
63+ 5	0.0000	1.32	Q					68+15	0.0000	0.96	Q				
63+10	0.0000	1.32	Q					68+20	0.0000	0.95	Q				
63+15	0.0000	1.31	Q					68+25	0.0000	0.95	Q				
63+20	0.0000	1.31	Q					68+30	0.0000	0.94	Q				
63+25	0.0000	1.30	Q					68+35	0.0000	0.93	Q				
63+30	0.0000	1.30	Q					68+40	0.0000	0.92	Q				
63+35	0.0000	1.29	Q					68+45	0.0000	0.91	Q				
63+40	0.0000	1.29	Q					68+50	0.0000	0.91	Q				
63+45	0.0000	1.28	Q					68+55	0.0000	0.90	Q				
63+50	0.0000	1.28	Q					69+ 0	0.0000	0.89	Q				
63+55	0.0000	1.27	Q					69+ 5	0.0000	0.88	Q				
64+ 0	0.0000	1.27	Q					69+10	0.0000	0.88	Q				
64+ 5	0.0000	1.26	Q					69+15	0.0000	0.87	Q				
64+10	0.0000	1.26	Q					69+20	0.0000	0.86	Q				
64+15	0.0000	1.25	Q					69+25	0.0000	0.86	Q				
64+20	0.0000	1.25	Q					69+30	0.0000	0.85	Q				
64+25	0.0000	1.24	Q					69+35	0.0000	0.84	Q				
64+30	0.0000	1.24	Q					69+40	0.0000	0.84	Q				
64+35	0.0000	1.23	Q					69+45	0.0000	0.83	Q				
64+40	0.0000	1.23	Q					69+50	0.0000	0.82	Q				
64+45	0.0000	1.22	Q					69+55	0.0000	0.82	Q				
64+50	0.0000	1.22	Q					70+ 0	0.0000	0.81	Q				
64+55	0.0000	1.22	Q					70+ 5	0.0000	0.80	Q				
65+ 0	0.0000	1.21	Q					70+10	0.0000	0.80	Q				
65+ 5	0.0000	1.21	Q					70+15	0.0000	0.79	Q				
65+10	0.0000	1.20	Q					70+20	0.0000	0.78	Q				
65+15	0.0000	1.20	Q					70+25	0.0000	0.78	Q				
65+20	0.0000	1.19	Q					70+30	0.0000	0.77	Q				
65+25	0.0000	1.19	Q					70+35	0.0000	0.76	Q				
65+30	0.0000	1.18	Q					70+40	0.0000	0.76	Q				
65+35	0.0000	1.18	Q					70+45	0.0000	0.75	Q				
65+40	0.0000	1.17	Q					70+50	0.0000	0.74	Q				
65+45	0.0000	1.17	Q					70+55	0.0000	0.74	Q				
65+50	0.0000	1.17	Q					71+ 0	0.0000	0.73	Q				
65+55	0.0000	1.16	Q					71+ 5	0.0000	0.73	Q				
66+ 0	0.0000	1.16	Q					71+10	0.0000	0.72	Q				
66+ 5	0.0000	1.15	Q					71+15	0.0000	0.71	Q				
66+10	0.0000	1.15	Q					71+20	0.0000	0.71	Q				
66+15	0.0000	1.14	Q					71+25	0.0000	0.70	Q				
66+20	0.0000	1.14	Q					71+30	0.0000	0.70	Q				
66+25	0.0000	1.13	Q					71+35	0.0000	0.69	Q				
66+30	0.0000	1.13	Q					71+40	0.0000	0.69	Q				

71+45	0.0000	0.68	Q					76+55	0.0000	0.51	Q				
71+50	0.0000	0.67	Q					77+ 0	0.0000	0.50	Q				
71+55	0.0000	0.67	Q					77+ 5	0.0000	0.50	Q				
72+ 0	0.0000	0.66	Q					77+10	0.0000	0.50	Q				
72+ 5	0.0000	0.66	Q					77+15	0.0000	0.50	Q				
72+10	0.0000	0.65	Q					77+20	0.0000	0.50	Q				
72+15	0.0000	0.65	Q					77+25	0.0000	0.50	Q				
72+20	0.0000	0.64	Q					77+30	0.0000	0.49	Q				
72+25	0.0000	0.64	Q					77+35	0.0000	0.49	Q				
72+30	0.0000	0.63	Q					77+40	0.0000	0.49	Q				
72+35	0.0000	0.63	Q					77+45	0.0000	0.49	Q				
72+40	0.0000	0.62	Q					77+50	0.0000	0.49	Q				
72+45	0.0000	0.62	Q					77+55	0.0000	0.49	Q				
72+50	0.0000	0.61	Q					78+ 0	0.0000	0.48	Q				
72+55	0.0000	0.61	Q					78+ 5	0.0000	0.48	Q				
73+ 0	0.0000	0.60	Q					78+10	0.0000	0.48	Q				
73+ 5	0.0000	0.60	Q					78+15	0.0000	0.48	Q				
73+10	0.0000	0.59	Q					78+20	0.0000	0.48	Q				
73+15	0.0000	0.59	Q					78+25	0.0000	0.48	Q				
73+20	0.0000	0.58	Q					78+30	0.0000	0.48	Q				
73+25	0.0000	0.58	Q					78+35	0.0000	0.47	Q				
73+30	0.0000	0.58	Q					78+40	0.0000	0.47	Q				
73+35	0.0000	0.58	Q					78+45	0.0000	0.47	Q				
73+40	0.0000	0.57	Q					78+50	0.0000	0.47	Q				
73+45	0.0000	0.57	Q					78+55	0.0000	0.47	Q				
73+50	0.0000	0.57	Q					79+ 0	0.0000	0.47	Q				
73+55	0.0000	0.57	Q					79+ 5	0.0000	0.46	Q				
74+ 0	0.0000	0.57	Q					79+10	0.0000	0.46	Q				
74+ 5	0.0000	0.56	Q					79+15	0.0000	0.46	Q				
74+10	0.0000	0.56	Q					79+20	0.0000	0.46	Q				
74+15	0.0000	0.56	Q					79+25	0.0000	0.46	Q				
74+20	0.0000	0.56	Q					79+30	0.0000	0.46	Q				
74+25	0.0000	0.56	Q					79+35	0.0000	0.46	Q				
74+30	0.0000	0.55	Q					79+40	0.0000	0.45	Q				
74+35	0.0000	0.55	Q					79+45	0.0000	0.45	Q				
74+40	0.0000	0.55	Q					79+50	0.0000	0.45	Q				
74+45	0.0000	0.55	Q					79+55	0.0000	0.45	Q				
74+50	0.0000	0.55	Q					80+ 0	0.0000	0.45	Q				
74+55	0.0000	0.55	Q					80+ 5	0.0000	0.45	Q				
75+ 0	0.0000	0.54	Q					80+10	0.0000	0.45	Q				
75+ 5	0.0000	0.54	Q					80+15	0.0000	0.44	Q				
75+10	0.0000	0.54	Q					80+20	0.0000	0.44	Q				
75+15	0.0000	0.54	Q					80+25	0.0000	0.44	Q				
75+20	0.0000	0.54	Q					80+30	0.0000	0.44	Q				
75+25	0.0000	0.54	Q					80+35	0.0000	0.44	Q				
75+30	0.0000	0.53	Q					80+40	0.0000	0.44	Q				
75+35	0.0000	0.53	Q					80+45	0.0000	0.44	Q				
75+40	0.0000	0.53	Q					80+50	0.0000	0.43	Q				
75+45	0.0000	0.53	Q					80+55	0.0000	0.43	Q				
75+50	0.0000	0.53	Q					81+ 0	0.0000	0.43	Q				
75+55	0.0000	0.53	Q					81+ 5	0.0000	0.43	Q				
76+ 0	0.0000	0.52	Q					81+10	0.0000	0.43	Q				
76+ 5	0.0000	0.52	Q					81+15	0.0000	0.43	Q				
76+10	0.0000	0.52	Q					81+20	0.0000	0.43	Q				
76+15	0.0000	0.52	Q					81+25	0.0000	0.42	Q				
76+20	0.0000	0.52	Q					81+30	0.0000	0.42	Q				
76+25	0.0000	0.52	Q					81+35	0.0000	0.42	Q				
76+30	0.0000	0.51	Q					81+40	0.0000	0.42	Q				
76+35	0.0000	0.51	Q					81+45	0.0000	0.42	Q				
76+40	0.0000	0.51	Q					81+50	0.0000	0.42	Q				
76+45	0.0000	0.51	Q					81+55	0.0000	0.42	Q				
76+50	0.0000	0.51	Q					82+ 0	0.0000	0.42	Q				

82+ 5	0.0000	0.41	Q					87+15	0.0000	0.26	Q				
82+10	0.0000	0.41	Q					87+20	0.0000	0.25	Q				
82+15	0.0000	0.41	Q					87+25	0.0000	0.25	Q				
82+20	0.0000	0.41	Q					87+30	0.0000	0.25	Q				
82+25	0.0000	0.41	Q					87+35	0.0000	0.25	Q				
82+30	0.0000	0.41	Q					87+40	0.0000	0.25	Q				
82+35	0.0000	0.41	Q					87+45	0.0000	0.24	Q				
82+40	0.0000	0.40	Q					87+50	0.0000	0.24	Q				
82+45	0.0000	0.40	Q					87+55	0.0000	0.24	Q				
82+50	0.0000	0.40	Q					88+ 0	0.0000	0.24	Q				
82+55	0.0000	0.40	Q					88+ 5	0.0000	0.24	Q				
83+ 0	0.0000	0.40	Q					88+10	0.0000	0.23	Q				
83+ 5	0.0000	0.39	Q					88+15	0.0000	0.23	Q				
83+10	0.0000	0.39	Q					88+20	0.0000	0.23	Q				
83+15	0.0000	0.39	Q					88+25	0.0000	0.23	Q				
83+20	0.0000	0.38	Q					88+30	0.0000	0.23	Q				
83+25	0.0000	0.38	Q					88+35	0.0000	0.22	Q				
83+30	0.0000	0.38	Q					88+40	0.0000	0.22	Q				
83+35	0.0000	0.37	Q					88+45	0.0000	0.22	Q				
83+40	0.0000	0.37	Q					88+50	0.0000	0.22	Q				
83+45	0.0000	0.37	Q					88+55	0.0000	0.22	Q				
83+50	0.0000	0.37	Q					89+ 0	0.0000	0.21	Q				
83+55	0.0000	0.36	Q					89+ 5	0.0000	0.21	Q				
84+ 0	0.0000	0.36	Q					89+10	0.0000	0.21	Q				
84+ 5	0.0000	0.36	Q					89+15	0.0000	0.21	Q				
84+10	0.0000	0.35	Q					89+20	0.0000	0.21	Q				
84+15	0.0000	0.35	Q					89+25	0.0000	0.20	Q				
84+20	0.0000	0.35	Q					89+30	0.0000	0.20	Q				
84+25	0.0000	0.34	Q					89+35	0.0000	0.20	Q				
84+30	0.0000	0.34	Q					89+40	0.0000	0.20	Q				
84+35	0.0000	0.34	Q					89+45	0.0000	0.20	Q				
84+40	0.0000	0.33	Q					89+50	0.0000	0.20	Q				
84+45	0.0000	0.33	Q					89+55	0.0000	0.19	Q				
84+50	0.0000	0.33	Q					90+ 0	0.0000	0.19	Q				
84+55	0.0000	0.33	Q					90+ 5	0.0000	0.19	Q				
85+ 0	0.0000	0.32	Q					90+10	0.0000	0.19	Q				
85+ 5	0.0000	0.32	Q					90+15	0.0000	0.19	Q				
85+10	0.0000	0.32	Q					90+20	0.0000	0.19	Q				
85+15	0.0000	0.32	Q					90+25	0.0000	0.18	Q				
85+20	0.0000	0.31	Q					90+30	0.0000	0.18	Q				
85+25	0.0000	0.31	Q					90+35	0.0000	0.18	Q				
85+30	0.0000	0.31	Q					90+40	0.0000	0.18	Q				
85+35	0.0000	0.30	Q					90+45	0.0000	0.18	Q				
85+40	0.0000	0.30	Q					90+50	0.0000	0.18	Q				
85+45	0.0000	0.30	Q					90+55	0.0000	0.18	Q				
85+50	0.0000	0.30	Q					91+ 0	0.0000	0.17	Q				
85+55	0.0000	0.29	Q					91+ 5	0.0000	0.17	Q				
86+ 0	0.0000	0.29	Q					91+10	0.0000	0.17	Q				
86+ 5	0.0000	0.29	Q					91+15	0.0000	0.17	Q				
86+10	0.0000	0.29	Q					91+20	0.0000	0.17	Q				
86+15	0.0000	0.28	Q					91+25	0.0000	0.17	Q				
86+20	0.0000	0.28	Q					91+30	0.0000	0.16	Q				
86+25	0.0000	0.28	Q					91+35	0.0000	0.16	Q				
86+30	0.0000	0.28	Q					91+40	0.0000	0.16	Q				
86+35	0.0000	0.27	Q					91+45	0.0000	0.16	Q				
86+40	0.0000	0.27	Q					91+50	0.0000	0.16	Q				
86+45	0.0000	0.27	Q					91+55	0.0000	0.16	Q				
86+50	0.0000	0.27	Q					92+ 0	0.0000	0.16	Q				
86+55	0.0000	0.27	Q					92+ 5	0.0000	0.16	Q				
87+ 0	0.0000	0.26	Q					92+10	0.0000	0.15	Q				
87+ 5	0.0000	0.26	Q					92+15	0.0000	0.15	Q				
87+10	0.0000	0.26	Q					92+20	0.0000	0.15	Q				

92+25	0.0000	0.15	Q					97+35	0.0000	0.09	Q				
92+30	0.0000	0.15	Q					97+40	0.0000	0.09	Q				
92+35	0.0000	0.15	Q					97+45	0.0000	0.09	Q				
92+40	0.0000	0.15	Q					97+50	0.0000	0.09	Q				
92+45	0.0000	0.14	Q					97+55	0.0000	0.08	Q				
92+50	0.0000	0.14	Q					98+ 0	0.0000	0.08	Q				
92+55	0.0000	0.14	Q					98+ 5	0.0000	0.08	Q				
93+ 0	0.0000	0.14	Q					98+10	0.0000	0.08	Q				
93+ 5	0.0000	0.14	Q					98+15	0.0000	0.08	Q				
93+10	0.0000	0.14	Q					98+20	0.0000	0.08	Q				
93+15	0.0000	0.14	Q					98+25	0.0000	0.08	Q				
93+20	0.0000	0.14	Q					98+30	0.0000	0.08	Q				
93+25	0.0000	0.14	Q					98+35	0.0000	0.08	Q				
93+30	0.0000	0.13	Q					98+40	0.0000	0.08	Q				
93+35	0.0000	0.13	Q					98+45	0.0000	0.08	Q				
93+40	0.0000	0.13	Q					98+50	0.0000	0.08	Q				
93+45	0.0000	0.13	Q					98+55	0.0000	0.08	Q				
93+50	0.0000	0.13	Q					99+ 0	0.0000	0.08	Q				
93+55	0.0000	0.13	Q					99+ 5	0.0000	0.08	Q				
94+ 0	0.0000	0.13	Q					99+10	0.0000	0.07	Q				
94+ 5	0.0000	0.13	Q					99+15	0.0000	0.07	Q				
94+10	0.0000	0.13	Q					99+20	0.0000	0.07	Q				
94+15	0.0000	0.12	Q					99+25	0.0000	0.07	Q				
94+20	0.0000	0.12	Q					99+30	0.0000	0.07	Q				
94+25	0.0000	0.12	Q					99+35	0.0000	0.07	Q				
94+30	0.0000	0.12	Q					99+40	0.0000	0.07	Q				
94+35	0.0000	0.12	Q					99+45	0.0000	0.07	Q				
94+40	0.0000	0.12	Q					99+50	0.0000	0.07	Q				
94+45	0.0000	0.12	Q					99+55	0.0000	0.07	Q				
94+50	0.0000	0.12	Q					100+ 0	0.0000	0.07	Q				
94+55	0.0000	0.12	Q					100+ 5	0.0000	0.07	Q				
95+ 0	0.0000	0.11	Q					100+10	0.0000	0.07	Q				
95+ 5	0.0000	0.11	Q					100+15	0.0000	0.07	Q				
95+10	0.0000	0.11	Q					100+20	0.0000	0.07	Q				
95+15	0.0000	0.11	Q					100+25	0.0000	0.07	Q				
95+20	0.0000	0.11	Q					100+30	0.0000	0.06	Q				
95+25	0.0000	0.11	Q					100+35	0.0000	0.06	Q				
95+30	0.0000	0.11	Q					100+40	0.0000	0.06	Q				
95+35	0.0000	0.11	Q					100+45	0.0000	0.06	Q				
95+40	0.0000	0.11	Q					100+50	0.0000	0.06	Q				
95+45	0.0000	0.11	Q					100+55	0.0000	0.06	Q				
95+50	0.0000	0.11	Q					101+ 0	0.0000	0.06	Q				
95+55	0.0000	0.10	Q					101+ 5	0.0000	0.06	Q				
96+ 0	0.0000	0.10	Q					101+10	0.0000	0.06	Q				
96+ 5	0.0000	0.10	Q					101+15	0.0000	0.06	Q				
96+10	0.0000	0.10	Q					101+20	0.0000	0.06	Q				
96+15	0.0000	0.10	Q					101+25	0.0000	0.06	Q				
96+20	0.0000	0.10	Q					101+30	0.0000	0.06	Q				
96+25	0.0000	0.10	Q					101+35	0.0000	0.06	Q				
96+30	0.0000	0.10	Q					101+40	0.0000	0.06	Q				
96+35	0.0000	0.10	Q					101+45	0.0000	0.06	Q				
96+40	0.0000	0.10	Q					101+50	0.0000	0.06	Q				
96+45	0.0000	0.10	Q					101+55	0.0000	0.06	Q				
96+50	0.0000	0.09	Q					102+ 0	0.0000	0.06	Q				
96+55	0.0000	0.09	Q					102+ 5	0.0000	0.06	Q				
97+ 0	0.0000	0.09	Q					102+10	0.0000	0.05	Q				
97+ 5	0.0000	0.09	Q					102+15	0.0000	0.05	Q				
97+10	0.0000	0.09	Q					102+20	0.0000	0.05	Q				
97+15	0.0000	0.09	Q					102+25	0.0000	0.05	Q				
97+20	0.0000	0.09	Q					102+30	0.0000	0.05	Q				
97+25	0.0000	0.09	Q					102+35	0.0000	0.05	Q				
97+30	0.0000	0.09	Q					102+40	0.0000	0.05	Q				

102+45	0.0000	0.05	Q					107+55	0.0000	0.03	Q				
102+50	0.0000	0.05	Q					108+ 0	0.0000	0.03	Q				
102+55	0.0000	0.05	Q					108+ 5	0.0000	0.03	Q				
103+ 0	0.0000	0.05	Q					108+10	0.0000	0.03	Q				
103+ 5	0.0000	0.05	Q					108+15	0.0000	0.03	Q				
103+10	0.0000	0.05	Q					108+20	0.0000	0.03	Q				
103+15	0.0000	0.05	Q					108+25	0.0000	0.03	Q				
103+20	0.0000	0.05	Q					108+30	0.0000	0.03	Q				
103+25	0.0000	0.05	Q					108+35	0.0000	0.03	Q				
103+30	0.0000	0.05	Q					108+40	0.0000	0.03	Q				
103+35	0.0000	0.05	Q					108+45	0.0000	0.03	Q				
103+40	0.0000	0.05	Q					108+50	0.0000	0.03	Q				
103+45	0.0000	0.05	Q					108+55	0.0000	0.03	Q				
103+50	0.0000	0.05	Q					109+ 0	0.0000	0.03	Q				
103+55	0.0000	0.05	Q					109+ 5	0.0000	0.03	Q				
104+ 0	0.0000	0.05	Q					109+10	0.0000	0.03	Q				
104+ 5	0.0000	0.04	Q					109+15	0.0000	0.03	Q				
104+10	0.0000	0.04	Q					109+20	0.0000	0.03	Q				
104+15	0.0000	0.04	Q					109+25	0.0000	0.03	Q				
104+20	0.0000	0.04	Q					109+30	0.0000	0.03	Q				
104+25	0.0000	0.04	Q					109+35	0.0000	0.03	Q				
104+30	0.0000	0.04	Q					109+40	0.0000	0.03	Q				
104+35	0.0000	0.04	Q					109+45	0.0000	0.02	Q				
104+40	0.0000	0.04	Q					109+50	0.0000	0.02	Q				
104+45	0.0000	0.04	Q					109+55	0.0000	0.02	Q				
104+50	0.0000	0.04	Q					110+ 0	0.0000	0.02	Q				
104+55	0.0000	0.04	Q					110+ 5	0.0000	0.02	Q				
105+ 0	0.0000	0.04	Q					110+10	0.0000	0.02	Q				
105+ 5	0.0000	0.04	Q					110+15	0.0000	0.02	Q				
105+10	0.0000	0.04	Q					110+20	0.0000	0.02	Q				
105+15	0.0000	0.04	Q					110+25	0.0000	0.02	Q				
105+20	0.0000	0.04	Q					110+30	0.0000	0.02	Q				
105+25	0.0000	0.04	Q					110+35	0.0000	0.02	Q				
105+30	0.0000	0.04	Q					110+40	0.0000	0.02	Q				
105+35	0.0000	0.04	Q					110+45	0.0000	0.02	Q				
105+40	0.0000	0.04	Q					110+50	0.0000	0.02	Q				
105+45	0.0000	0.04	Q					110+55	0.0000	0.02	Q				
105+50	0.0000	0.04	Q					111+ 0	0.0000	0.02	Q				
105+55	0.0000	0.04	Q					111+ 5	0.0000	0.02	Q				
106+ 0	0.0000	0.04	Q					111+10	0.0000	0.02	Q				
106+ 5	0.0000	0.04	Q					111+15	0.0000	0.02	Q				
106+10	0.0000	0.04	Q					111+20	0.0000	0.02	Q				
106+15	0.0000	0.04	Q					111+25	0.0000	0.02	Q				
106+20	0.0000	0.04	Q					111+30	0.0000	0.02	Q				
106+25	0.0000	0.04	Q					111+35	0.0000	0.02	Q				
106+30	0.0000	0.03	Q					111+40	0.0000	0.02	Q				
106+35	0.0000	0.03	Q					111+45	0.0000	0.02	Q				
106+40	0.0000	0.03	Q					111+50	0.0000	0.02	Q				
106+45	0.0000	0.03	Q					111+55	0.0000	0.02	Q				
106+50	0.0000	0.03	Q					112+ 0	0.0000	0.02	Q				
106+55	0.0000	0.03	Q					112+ 5	0.0000	0.02	Q				
107+ 0	0.0000	0.03	Q					112+10	0.0000	0.02	Q				
107+ 5	0.0000	0.03	Q					112+15	0.0000	0.02	Q				
107+10	0.0000	0.03	Q					112+20	0.0000	0.02	Q				
107+15	0.0000	0.03	Q					112+25	0.0000	0.02	Q				
107+20	0.0000	0.03	Q					112+30	0.0000	0.02	Q				
107+25	0.0000	0.03	Q					112+35	0.0000	0.02	Q				
107+30	0.0000	0.03	Q					112+40	0.0000	0.02	Q				
107+35	0.0000	0.03	Q					112+45	0.0000	0.02	Q				
107+40	0.0000	0.03	Q					112+50	0.0000	0.02	Q				
107+45	0.0000	0.03	Q					112+55	0.0000	0.02	Q				
107+50	0.0000	0.03	Q					113+ 0	0.0000	0.02	Q				

113+ 5	0.0000	0.02	Q	|	|	|	|	118+15	0.0000	0.01	Q	|	|	|	|
113+10	0.0000	0.02	Q	|	|	|	|	118+20	0.0000	0.01	Q	|	|	|	|
113+15	0.0000	0.02	Q	|	|	|	|	118+25	0.0000	0.01	Q	|	|	|	|
113+20	0.0000	0.02	Q	|	|	|	|	118+30	0.0000	0.01	Q	|	|	|	|
113+25	0.0000	0.02	Q	|	|	|	|	118+35	0.0000	0.01	Q	|	|	|	|
113+30	0.0000	0.02	Q	|	|	|	|	118+40	0.0000	0.01	Q	|	|	|	|
113+35	0.0000	0.02	Q	|	|	|	|	118+45	0.0000	0.01	Q	|	|	|	|
113+40	0.0000	0.02	Q	|	|	|	|	118+50	0.0000	0.01	Q	|	|	|	|
113+45	0.0000	0.02	Q	|	|	|	|	118+55	0.0000	0.01	Q	|	|	|	|
113+50	0.0000	0.02	Q	|	|	|	|	119+ 0	0.0000	0.01	Q	|	|	|	|
113+55	0.0000	0.02	Q	|	|	|	|	119+ 5	0.0000	0.01	Q	|	|	|	|
114+ 0	0.0000	0.02	Q	|	|	|	|	119+10	0.0000	0.01	Q	|	|	|	|
114+ 5	0.0000	0.02	Q	|	|	|	|	119+15	0.0000	0.01	Q	|	|	|	|
114+10	0.0000	0.02	Q	|	|	|	|	119+20	0.0000	0.01	Q	|	|	|	|
114+15	0.0000	0.02	Q	|	|	|	|	119+25	0.0000	0.01	Q	|	|	|	|
114+20	0.0000	0.02	Q	|	|	|	|	119+30	0.0000	0.01	Q	|	|	|	|
114+25	0.0000	0.02	Q	|	|	|	|	119+35	0.0000	0.01	Q	|	|	|	|
114+30	0.0000	0.02	Q	|	|	|	|	119+40	0.0000	0.01	Q	|	|	|	|
114+35	0.0000	0.02	Q	|	|	|	|	119+45	0.0000	0.01	Q	|	|	|	|
114+40	0.0000	0.01	Q	|	|	|	|	119+50	0.0000	0.01	Q	|	|	|	|
114+45	0.0000	0.01	Q	|	|	|	|	119+55	0.0000	0.01	Q	|	|	|	|
114+50	0.0000	0.01	Q	|	|	|	|	120+ 0	0.0000	0.01	Q	|	|	|	|
114+55	0.0000	0.01	Q	|	|	|	|	120+ 5	0.0000	0.01	Q	|	|	|	|
115+ 0	0.0000	0.01	Q	|	|	|	|	120+10	0.0000	0.01	Q	|	|	|	|
115+ 5	0.0000	0.01	Q	|	|	|	|	120+15	0.0000	0.01	Q	|	|	|	|
115+10	0.0000	0.01	Q	|	|	|	|	120+20	0.0000	0.01	Q	|	|	|	|
115+15	0.0000	0.01	Q	|	|	|	|	120+25	0.0000	0.01	Q	|	|	|	|
115+20	0.0000	0.01	Q	|	|	|	|	120+30	0.0000	0.01	Q	|	|	|	|
115+25	0.0000	0.01	Q	|	|	|	|	120+35	0.0000	0.01	Q	|	|	|	|
115+30	0.0000	0.01	Q	|	|	|	|	120+40	0.0000	0.01	Q	|	|	|	|
115+35	0.0000	0.01	Q	|	|	|	|	120+45	0.0000	0.01	Q	|	|	|	|
115+40	0.0000	0.01	Q	|	|	|	|	120+50	0.0000	0.01	Q	|	|	|	|
115+45	0.0000	0.01	Q	|	|	|	|	120+55	0.0000	0.01	Q	|	|	|	|
115+50	0.0000	0.01	Q	|	|	|	|	121+ 0	0.0000	0.01	Q	|	|	|	|
115+55	0.0000	0.01	Q	|	|	|	|	121+ 5	0.0000	0.01	Q	|	|	|	|
116+ 0	0.0000	0.01	Q	|	|	|	|	121+10	0.0000	0.01	Q	|	|	|	|
116+ 5	0.0000	0.01	Q	|	|	|	|	121+15	0.0000	0.01	Q	|	|	|	|
116+10	0.0000	0.01	Q	|	|	|	|	121+20	0.0000	0.01	Q	|	|	|	|
116+15	0.0000	0.01	Q	|	|	|	|	121+25	0.0000	0.01	Q	|	|	|	|
116+20	0.0000	0.01	Q	|	|	|	|	121+30	0.0000	0.01	Q	|	|	|	|
116+25	0.0000	0.01	Q	|	|	|	|	121+35	0.0000	0.01	Q	|	|	|	|
116+30	0.0000	0.01	Q	|	|	|	|	121+40	0.0000	0.01	Q	|	|	|	|
116+35	0.0000	0.01	Q	|	|	|	|	121+45	0.0000	0.01	Q	|	|	|	|
116+40	0.0000	0.01	Q	|	|	|	|	121+50	0.0000	0.01	Q	|	|	|	|
116+45	0.0000	0.01	Q	|	|	|	|	121+55	0.0000	0.01	Q	|	|	|	|
116+50	0.0000	0.01	Q	|	|	|	|	122+ 0	0.0000	0.01	Q	|	|	|	|
116+55	0.0000	0.01	Q	|	|	|	|	122+ 5	0.0000	0.01	Q	|	|	|	|
117+ 0	0.0000	0.01	Q	|	|	|	|	122+10	0.0000	0.01	Q	|	|	|	|
117+ 5	0.0000	0.01	Q	|	|	|	|	122+15	0.0000	0.01	Q	|	|	|	|
117+10	0.0000	0.01	Q	|	|	|	|	122+20	0.0000	0.01	Q	|	|	|	|
117+15	0.0000	0.01	Q	|	|	|	|	122+25	0.0000	0.01	Q	|	|	|	|
117+20	0.0000	0.01	Q	|	|	|	|	122+30	0.0000	0.01	Q	|	|	|	|
117+25	0.0000	0.01	Q	|	|	|	|	122+35	0.0000	0.01	Q	|	|	|	|
117+30	0.0000	0.01	Q	|	|	|	|	122+40	0.0000	0.01	Q	|	|	|	|
117+35	0.0000	0.01	Q	|	|	|	|	122+45	0.0000	0.01	Q	|	|	|	|
117+40	0.0000	0.01	Q	|	|	|	|	122+50	0.0000	0.01	Q	|	|	|	|
117+45	0.0000	0.01	Q	|	|	|	|	122+55	0.0000	0.01	Q	|	|	|	|
117+50	0.0000	0.01	Q	|	|	|	|	123+ 0	0.0000	0.01	Q	|	|	|	|
117+55	0.0000	0.01	Q	|	|	|	|	123+ 5	0.0000	0.01	Q	|	|	|	|
118+ 0	0.0000	0.01	Q	|	|	|	|	123+10	0.0000	0.01	Q	|	|	|	|
118+ 5	0.0000	0.01	Q	|	|	|	|	123+15	0.0000	0.01	Q	|	|	|	|
118+10	0.0000	0.01	Q	|	|	|	|	123+20	0.0000	0.01	Q	|	|	|	|

123+25	0.0000	0.01	Q					128+35	0.0000	0.00	Q				
123+30	0.0000	0.01	Q					128+40	0.0000	0.00	Q				
123+35	0.0000	0.01	Q					128+45	0.0000	0.00	Q				
123+40	0.0000	0.01	Q					128+50	0.0000	0.00	Q				
123+45	0.0000	0.01	Q					128+55	0.0000	0.00	Q				
123+50	0.0000	0.01	Q					129+ 0	0.0000	0.00	Q				
123+55	0.0000	0.01	Q					129+ 5	0.0000	0.00	Q				
124+ 0	0.0000	0.01	Q					129+10	0.0000	0.00	Q				
124+ 5	0.0000	0.01	Q					129+15	0.0000	0.00	Q				
124+10	0.0000	0.01	Q					129+20	0.0000	0.00	Q				
124+15	0.0000	0.01	Q					129+25	0.0000	0.00	Q				
124+20	0.0000	0.01	Q					129+30	0.0000	0.00	Q				
124+25	0.0000	0.01	Q					129+35	0.0000	0.00	Q				
124+30	0.0000	0.01	Q					129+40	0.0000	0.00	Q				
124+35	0.0000	0.01	Q					129+45	0.0000	0.00	Q				
124+40	0.0000	0.01	Q					129+50	0.0000	0.00	Q				
124+45	0.0000	0.01	Q					129+55	0.0000	0.00	Q				
124+50	0.0000	0.01	Q					130+ 0	0.0000	0.00	Q				
124+55	0.0000	0.01	Q					130+ 5	0.0000	0.00	Q				
125+ 0	0.0000	0.01	Q					130+10	0.0000	0.00	Q				
125+ 5	0.0000	0.01	Q					130+15	0.0000	0.00	Q				
125+10	0.0000	0.01	Q					130+20	0.0000	0.00	Q				
125+15	0.0000	0.00	Q					130+25	0.0000	0.00	Q				
125+20	0.0000	0.00	Q					130+30	0.0000	0.00	Q				
125+25	0.0000	0.00	Q					130+35	0.0000	0.00	Q				
125+30	0.0000	0.00	Q					130+40	0.0000	0.00	Q				
125+35	0.0000	0.00	Q					130+45	0.0000	0.00	Q				
125+40	0.0000	0.00	Q					130+50	0.0000	0.00	Q				
125+45	0.0000	0.00	Q					130+55	0.0000	0.00	Q				
125+50	0.0000	0.00	Q					131+ 0	0.0000	0.00	Q				
125+55	0.0000	0.00	Q					131+ 5	0.0000	0.00	Q				
126+ 0	0.0000	0.00	Q					131+10	0.0000	0.00	Q				
126+ 5	0.0000	0.00	Q					131+15	0.0000	0.00	Q				
126+10	0.0000	0.00	Q					131+20	0.0000	0.00	Q				
126+15	0.0000	0.00	Q					131+25	0.0000	0.00	Q				
126+20	0.0000	0.00	Q					131+30	0.0000	0.00	Q				
126+25	0.0000	0.00	Q					131+35	0.0000	0.00	Q				
126+30	0.0000	0.00	Q					131+40	0.0000	0.00	Q				
126+35	0.0000	0.00	Q					131+45	0.0000	0.00	Q				
126+40	0.0000	0.00	Q					131+50	0.0000	0.00	Q				
126+45	0.0000	0.00	Q					131+55	0.0000	0.00	Q				
126+50	0.0000	0.00	Q					132+ 0	0.0000	0.00	Q				
126+55	0.0000	0.00	Q					132+ 5	0.0000	0.00	Q				
127+ 0	0.0000	0.00	Q					132+10	0.0000	0.00	Q				
127+ 5	0.0000	0.00	Q					132+15	0.0000	0.00	Q				
127+10	0.0000	0.00	Q					132+20	0.0000	0.00	Q				
127+15	0.0000	0.00	Q					132+25	0.0000	0.00	Q				
127+20	0.0000	0.00	Q					132+30	0.0000	0.00	Q				
127+25	0.0000	0.00	Q					132+35	0.0000	0.00	Q				
127+30	0.0000	0.00	Q					132+40	0.0000	0.00	Q				
127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				

133+45	0.0000	0.00	Q				
133+50	0.0000	0.00	Q				
133+55	0.0000	0.00	Q				
134+ 0	0.0000	0.00	Q				
134+ 5	0.0000	0.00	Q				
134+10	0.0000	0.00	Q				
134+15	0.0000	0.00	Q				
134+20	0.0000	0.00	Q				
134+25	0.0000	0.00	Q				
134+30	0.0000	0.00	Q				
134+35	0.0000	0.00	Q				
134+40	0.0000	0.00	Q				
134+45	0.0000	0.00	Q				
134+50	0.0000	0.00	Q				
134+55	0.0000	0.00	Q				
135+ 0	0.0000	0.00	Q				
135+ 5	0.0000	0.00	Q				
135+10	0.0000	0.00	Q				
135+15	0.0000	0.00	Q				
135+20	0.0000	0.00	Q				
135+25	0.0000	0.00	Q				
135+30	0.0000	0.00	Q				
135+35	0.0000	0.00	Q				
135+40	0.0000	0.00	Q				
135+45	0.0000	0.00	Q				
135+50	0.0000	0.00	Q				
135+55	0.0000	0.00	Q				
136+ 0	0.0000	0.00	Q				
136+ 5	0.0000	0.00	Q				
136+10	0.0000	0.00	Q				
136+15	0.0000	0.00	Q				
136+20	0.0000	0.00	Q				
136+25	0.0000	0.00	Q				
136+30	0.0000	0.00	Q				
136+35	0.0000	0.00	Q				
136+40	0.0000	0.00	Q				
136+45	0.0000	0.00	Q				
136+50	0.0000	0.00	Q				
136+55	0.0000	0.00	Q				
137+ 0	0.0000	0.00	Q				
137+ 5	0.0000	0.00	Q				
137+10	0.0000	0.00	Q				
137+15	0.0000	0.00	Q				
137+20	0.0000	0.00	Q				
137+25	0.0000	0.00	Q				
137+30	0.0000	0.00	Q				
137+35	0.0000	0.00	Q				
137+40	0.0000	0.00	Q				
137+45	0.0000	0.00	Q				
137+50	0.0000	0.00	Q				
137+55	0.0000	0.00	Q				
138+ 0	0.0000	0.00	Q				
138+ 5	0.0000	0.00	Q				
138+10	0.0000	0.00	Q				
138+15	0.0000	0.00	Q				
138+20	0.0000	0.00	Q				
138+25	0.0000	0.00	Q				
138+30	0.0000	0.00	Q				
138+35	0.0000	0.00	Q				
138+40	0.0000	0.00	Q				
138+45	0.0000	0.00	Q				
138+50	0.0000	0.00	Q				
138+55	0.0000	0.00	Q				
139+ 0	0.0000	0.00	Q				
139+ 5	0.0000	0.00	Q				
139+10	0.0000	0.00	Q				
139+15	0.0000	0.00	Q				
139+20	0.0000	0.00	Q				
139+25	0.0000	0.00	Q				
139+30	0.0000	0.00	Q				
139+35	0.0000	0.00	Q				
139+40	0.0000	0.00	Q				
139+45	0.0000	0.00	Q				
139+50	0.0000	0.00	Q				
139+55	0.0000	0.00	Q				

**********HYDROGRAPH DATA**********

Number of intervals = 5002
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 218.909 (CFS)
Total volume = 94.743 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	42.595	10.790	0.000	0.000
Vol (Ac.Ft)	0.000	18.862	4.173	0.000	0.000

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Process from Point/Station 10.900 to Point/Station 10.960

**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 2 the total
volume of 18.86 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

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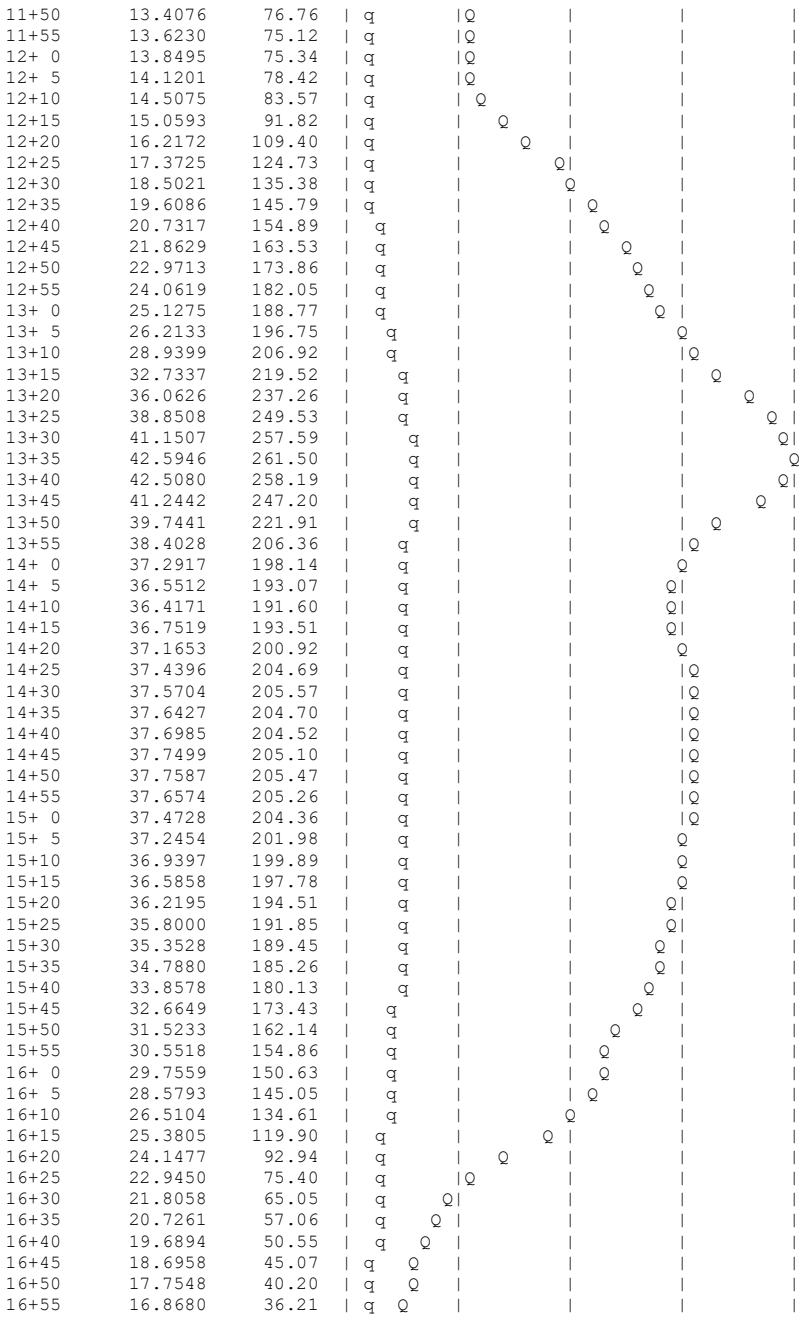
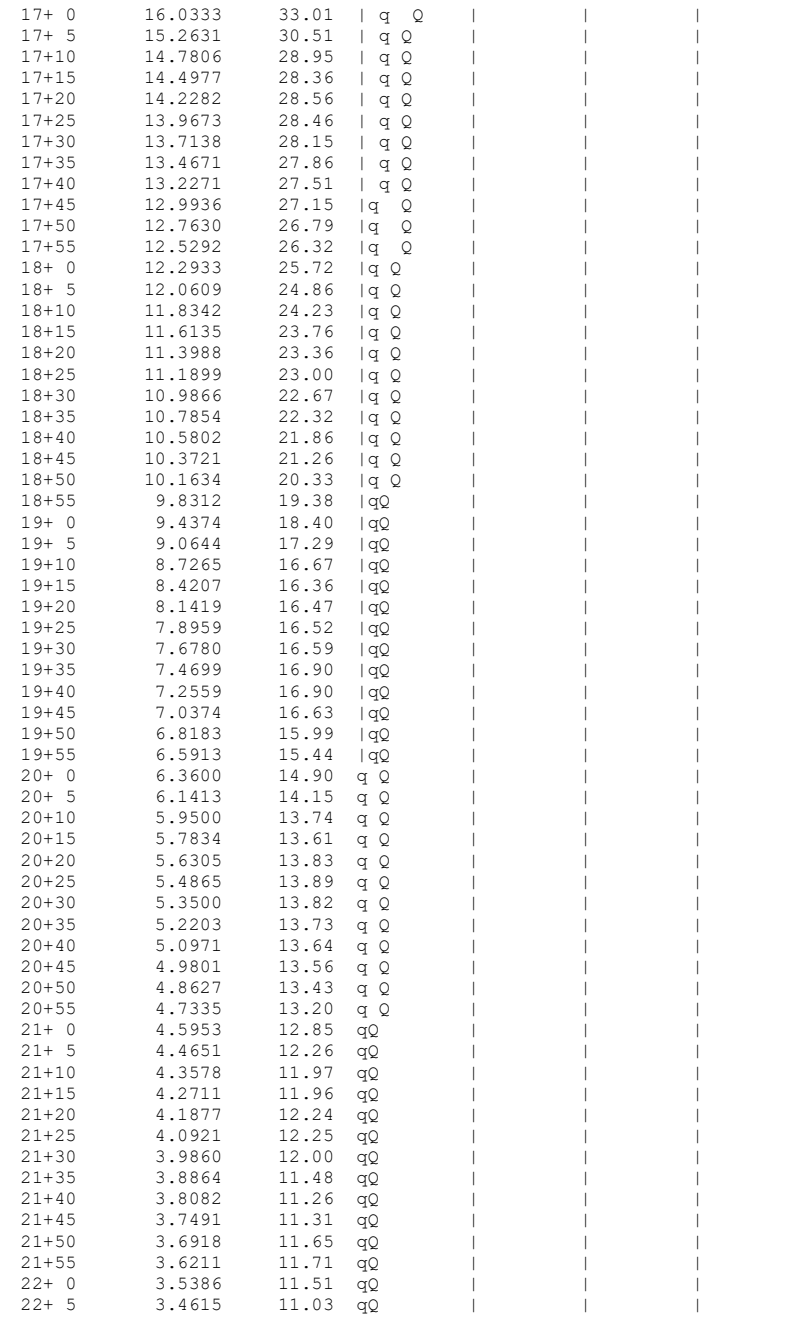
P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	65.4	130.8	196.1	261.5
0+ 5	0.0043	0.08	Q				
0+10	0.0204	0.35	Q				
0+15	0.0466	0.85	Q				
0+20	0.0781	1.97	Q				
0+25	0.1158	2.77	Q				
0+30	0.1583	3.39	Q				
0+35	0.2018	4.20	Q				
0+40	0.2450	4.74	Q				
0+45	0.2876	5.10	Q				
0+50	0.3316	5.42	Q				
0+55	0.3808	5.79	Q				
1+ 0	0.4344	6.23	Q				
1+ 5	0.4867	6.89	qQ				
1+10	0.5118	7.21	qQ				
1+15	0.5265	7.22	qQ				
1+20	0.5404	6.89	qQ				
1+25	0.5541	6.72	qQ				

1+30	0.5677	6.68	qQ				
1+35	0.5812	6.66	qQ				
1+40	0.5946	6.67	qQ				
1+45	0.6080	6.68	qQ				
1+50	0.6220	6.72	qQ				
1+55	0.6381	6.85	qQ				
2+ 0	0.6560	7.10	qQ				
2+ 5	0.6744	7.63	qQ				
2+10	0.6929	7.96	qQ				
2+15	0.7113	8.14	qQ				
2+20	0.7295	8.28	qQ				
2+25	0.7412	8.38	qQ				
2+30	0.7527	8.47	qQ				
2+35	0.7647	8.59	qQ				
2+40	0.7779	8.77	qQ				
2+45	0.7924	9.06	qQ				
2+50	0.8071	9.62	qQ				
2+55	0.8219	9.98	qQ				
3+ 0	0.8367	10.17	qQ				
3+ 5	0.8514	10.32	qQ				
3+10	0.8661	10.44	qQ				
3+15	0.8807	10.54	qQ				
3+20	0.8952	10.63	qQ				
3+25	0.9097	10.72	qQ				
3+30	0.9197	10.80	qQ				
3+35	0.9296	10.87	qQ				
3+40	0.9394	10.92	qQ				
3+45	0.9493	10.97	qQ				
3+50	0.9594	11.06	qQ				
3+55	0.9705	11.23	qQ				
4+ 0	0.9823	11.51	qQ				
4+ 5	0.9944	12.08	qQ				
4+10	1.0065	12.44	qQ				
4+15	1.0187	12.65	qQ				
4+20	1.0311	12.85	qQ				
4+25	1.0444	13.11	q Q				
4+30	1.0585	13.47	q Q				
4+35	1.0694	14.09	q Q				
4+40	1.0799	14.48	q Q				
4+45	1.0904	14.70	q Q				
4+50	1.1011	14.91	q Q				
4+55	1.1125	15.16	q Q				
5+ 0	1.1244	15.51	q Q				
5+ 5	1.1361	16.04	q Q				
5+10	1.1464	16.18	q Q				
5+15	1.1555	15.94	q Q				
5+20	1.1644	15.11	q Q				
5+25	1.1738	14.74	q Q				
5+30	1.1839	14.76	q Q				
5+35	1.1932	15.18	q Q				
5+40	1.2012	15.52	q Q				
5+45	1.2098	15.84	q Q				
5+50	1.2184	16.42	q Q				
5+55	1.2271	16.79	q Q				
6+ 0	1.2358	16.99	q Q				
6+ 5	1.2446	17.18	q Q				
6+10	1.2540	17.43	q Q				
6+15	1.2637	17.77	q Q				
6+20	1.2736	18.38	q Q				
6+25	1.2835	18.78	q Q				
6+30	1.2934	19.00	q Q				
6+35	1.3030	19.20	q Q				
6+40	1.3120	19.46	q Q				
6+45	1.3215	19.79	q Q				
6+50	1.3310	20.39	q Q				
6+55	1.3406	20.78	q Q				
7+ 0	1.3502	21.01	q Q				
7+ 5	1.3597	21.18	q Q				
7+10	1.3693	21.31	q Q				
7+15	1.3788	21.42	q Q				
7+20	1.3885	21.54	q Q				
7+25	1.3986	21.74	q Q				
7+30	1.4090	22.04	q Q				
7+35	1.4177	22.65	q Q				
7+40	1.4267	23.13	q Q				
7+45	1.4359	23.56	q Q				
7+50	1.4455	24.27	q Q				
7+55	1.4554	24.83	q Q				
8+ 0	1.4658	25.32	q Q				
8+ 5	1.4766	26.12	q Q				
8+10	1.4883	26.84	q Q				
8+15	1.5008	27.60	q Q				
8+20	1.5128	28.86	q Q				
8+25	1.5229	29.67	q Q				
8+30	1.5331	30.13	q Q				
8+35	1.5435	30.51	q Q				
8+40	1.5544	30.91	q Q				
8+45	1.5658	31.35	q Q				
8+50	1.5775	32.21	q Q				
8+55	1.5898	33.21	q Q				
9+ 0	1.6023	34.54	q Q				
9+ 5	1.6143	37.43	q Q				
9+10	1.6271	40.24	q Q				
9+15	1.6409	43.40	q Q				
9+20	1.6551	49.02	q Q				
9+25	1.6699	53.10	q Q				
9+30	1.6851	56.28	q Q				
9+35	1.6988	60.40	q Q				
9+40	1.7120	63.70	q Q				
9+45	1.7255	66.62	q Q				
9+50	1.7389	70.59	q Q				
9+55	1.7524	73.78	q	Q			
10+ 0	1.7663	76.59	q	Q			
10+ 5	2.6680	80.00	q	Q			
10+10	3.6491	79.84	q	Q			
10+15	4.3730	75.16	q	Q			
10+20	4.9800	61.40	q Q				
10+25	5.5377	53.63	q Q				
10+30	6.0664	50.31	q Q				
10+35	6.6270	49.09	|q Q				
10+40	7.3223	50.62	|q Q				
10+45	8.1362	55.16	|q Q				
10+50	8.9713	66.25	|q Q				
10+55	9.7823	73.15		q	Q			
11+ 0	10.3427	76.75		q	Q			
11+ 5	10.7418	79.25	|q	Q			
11+10	11.1141	80.93	|q	Q			
11+15	11.4615	81.95	|q	Q			
11+20	11.7943	81.48	|q	Q			
11+25	12.1178	81.67	|q	Q			
11+30	12.4336	82.32	|q	Q			
11+35	12.7300	82.67	|q	Q			
11+40	12.9851	82.20	|q	Q			
11+45	13.2020	80.61		q	Q			





22+10	3.4045	10.84	qQ					27+20	0.0000	2.66	Q				
22+15	3.3656	10.92	qQ					27+25	0.0000	2.66	Q				
22+20	3.3276	11.27	qQ					27+30	0.0000	2.65	Q				
22+25	3.2751	11.35	qQ					27+35	0.0000	2.65	Q				
22+30	3.2100	11.17	qQ					27+40	0.0000	2.65	Q				
22+35	3.1430	10.66	qQ					27+45	0.0000	2.65	Q				
22+40	3.0781	10.34	qQ					27+50	0.0000	2.65	Q				
22+45	3.0161	10.16	qQ					27+55	0.0000	2.64	Q				
22+50	2.9573	10.02	qQ					28+ 0	0.0000	2.64	Q				
22+55	2.9014	9.91	qQ					28+ 5	0.0000	2.64	Q				
23+ 0	2.8483	9.81	qQ					28+10	0.0000	2.64	Q				
23+ 5	2.7979	9.73	qQ					28+15	0.0000	2.64	Q				
23+10	2.7500	9.65	qQ					28+20	0.0000	2.63	Q				
23+15	2.7045	9.58	qQ					28+25	0.0000	2.63	Q				
23+20	2.6613	9.51	qQ					28+30	0.0000	2.63	Q				
23+25	2.6202	9.46	qQ					28+35	0.0000	2.63	Q				
23+30	2.5812	9.41	qQ					28+40	0.0000	2.62	Q				
23+35	2.5442	9.37	qQ					28+45	0.0000	2.62	Q				
23+40	2.5090	9.33	qQ					28+50	0.0000	2.62	Q				
23+45	2.4756	9.29	qQ					28+55	0.0000	2.62	Q				
23+50	2.4439	9.26	qQ					29+ 0	0.0000	2.62	Q				
23+55	2.4137	9.22	qQ					29+ 5	0.0000	2.61	Q				
24+ 0	2.3851	9.19	qQ					29+10	0.0000	2.61	Q				
24+ 5	2.3452	9.07	qQ					29+15	0.0000	2.61	Q				
24+10	2.2721	8.75	qQ					29+20	0.0000	2.61	Q				
24+15	2.1717	8.18	qQ					29+25	0.0000	2.61	Q				
24+20	2.0659	7.04	qQ					29+30	0.0000	2.60	Q				
24+25	1.9628	6.31	Q					29+35	0.0000	2.60	Q				
24+30	1.8644	5.89	Q					29+40	0.0000	2.60	Q				
24+35	1.7709	5.57	Q					29+45	0.0000	2.60	Q				
24+40	1.7691	5.39	Q					29+50	0.0000	2.59	Q				
24+45	1.7681	5.25	Q					29+55	0.0000	2.59	Q				
24+50	1.7672	5.14	Q					30+ 0	0.0000	2.59	Q				
24+55	1.7662	5.06	Q					30+ 5	0.0000	2.59	Q				
25+ 0	1.7653	4.99	Q					30+10	0.0000	2.59	Q				
25+ 5	0.0000	2.84	Q					30+15	0.0000	2.58	Q				
25+10	0.0000	2.80	Q					30+20	0.0000	2.58	Q				
25+15	0.0000	2.78	Q					30+25	0.0000	2.58	Q				
25+20	0.0000	2.76	Q					30+30	0.0000	2.58	Q				
25+25	0.0000	2.75	Q					30+35	0.0000	2.58	Q				
25+30	0.0000	2.74	Q					30+40	0.0000	2.57	Q				
25+35	0.0000	2.73	Q					30+45	0.0000	2.57	Q				
25+40	0.0000	2.72	Q					30+50	0.0000	2.57	Q				
25+45	0.0000	2.71	Q					30+55	0.0000	2.57	Q				
25+50	0.0000	2.70	Q					31+ 0	0.0000	2.56	Q				
25+55	0.0000	2.70	Q					31+ 5	0.0000	2.56	Q				
26+ 0	0.0000	2.69	Q					31+10	0.0000	2.56	Q				
26+ 5	0.0000	2.69	Q					31+15	0.0000	2.56	Q				
26+10	0.0000	2.69	Q					31+20	0.0000	2.56	Q				
26+15	0.0000	2.69	Q					31+25	0.0000	2.55	Q				
26+20	0.0000	2.68	Q					31+30	0.0000	2.55	Q				
26+25	0.0000	2.68	Q					31+35	0.0000	2.55	Q				
26+30	0.0000	2.68	Q					31+40	0.0000	2.55	Q				
26+35	0.0000	2.68	Q					31+45	0.0000	2.55	Q				
26+40	0.0000	2.67	Q					31+50	0.0000	2.54	Q				
26+45	0.0000	2.67	Q					31+55	0.0000	2.54	Q				
26+50	0.0000	2.67	Q					32+ 0	0.0000	2.54	Q				
26+55	0.0000	2.67	Q					32+ 5	0.0000	2.54	Q				
27+ 0	0.0000	2.67	Q					32+10	0.0000	2.54	Q				
27+ 5	0.0000	2.66	Q					32+15	0.0000	2.53	Q				
27+10	0.0000	2.66	Q					32+20	0.0000	2.53	Q				
27+15	0.0000	2.66	Q					32+25	0.0000	2.53	Q				

32+30	0.0000	2.53	Q					37+40	0.0000	2.37	Q				
32+35	0.0000	2.52	Q					37+45	0.0000	2.37	Q				
32+40	0.0000	2.52	Q					37+50	0.0000	2.37	Q				
32+45	0.0000	2.52	Q					37+55	0.0000	2.37	Q				
32+50	0.0000	2.52	Q					38+ 0	0.0000	2.37	Q				
32+55	0.0000	2.52	Q					38+ 5	0.0000	2.36	Q				
33+ 0	0.0000	2.51	Q					38+10	0.0000	2.36	Q				
33+ 5	0.0000	2.51	Q					38+15	0.0000	2.36	Q				
33+10	0.0000	2.51	Q					38+20	0.0000	2.35	Q				
33+15	0.0000	2.51	Q					38+25	0.0000	2.35	Q				
33+20	0.0000	2.51	Q					38+30	0.0000	2.35	Q				
33+25	0.0000	2.50	Q					38+35	0.0000	2.35	Q				
33+30	0.0000	2.50	Q					38+40	0.0000	2.34	Q				
33+35	0.0000	2.50	Q					38+45	0.0000	2.34	Q				
33+40	0.0000	2.49	Q					38+50	0.0000	2.34	Q				
33+45	0.0000	2.49	Q					38+55	0.0000	2.33	Q				
33+50	0.0000	2.49	Q					39+ 0	0.0000	2.33	Q				
33+55	0.0000	2.49	Q					39+ 5	0.0000	2.33	Q				
34+ 0	0.0000	2.48	Q					39+10	0.0000	2.33	Q				
34+ 5	0.0000	2.48	Q					39+15	0.0000	2.32	Q				
34+10	0.0000	2.48	Q					39+20	0.0000	2.32	Q				
34+15	0.0000	2.48	Q					39+25	0.0000	2.32	Q				
34+20	0.0000	2.47	Q					39+30	0.0000	2.31	Q				
34+25	0.0000	2.47	Q					39+35	0.0000	2.31	Q				
34+30	0.0000	2.47	Q					39+40	0.0000	2.31	Q				
34+35	0.0000	2.47	Q					39+45	0.0000	2.31	Q				
34+40	0.0000	2.46	Q					39+50	0.0000	2.30	Q				
34+45	0.0000	2.46	Q					39+55	0.0000	2.30	Q				
34+50	0.0000	2.46	Q					40+ 0	0.0000	2.30	Q				
34+55	0.0000	2.46	Q					40+ 5	0.0000	2.30	Q				
35+ 0	0.0000	2.45	Q					40+10	0.0000	2.29	Q				
35+ 5	0.0000	2.45	Q					40+15	0.0000	2.29	Q				
35+10	0.0000	2.45	Q					40+20	0.0000	2.29	Q				
35+15	0.0000	2.45	Q					40+25	0.0000	2.28	Q				
35+20	0.0000	2.44	Q					40+30	0.0000	2.28	Q				
35+25	0.0000	2.44	Q					40+35	0.0000	2.28	Q				
35+30	0.0000	2.44	Q					40+40	0.0000	2.28	Q				
35+35	0.0000	2.44	Q					40+45	0.0000	2.27	Q				
35+40	0.0000	2.43	Q					40+50	0.0000	2.27	Q				
35+45	0.0000	2.43	Q					40+55	0.0000	2.27	Q				
35+50	0.0000	2.43	Q					41+ 0	0.0000	2.26	Q				
35+55	0.0000	2.43	Q					41+ 5	0.0000	2.26	Q				
36+ 0	0.0000	2.42	Q					41+10	0.0000	2.26	Q				
36+ 5	0.0000	2.42	Q					41+15	0.0000	2.26	Q				
36+10	0.0000	2.42	Q					41+20	0.0000	2.25	Q				
36+15	0.0000	2.42	Q					41+25	0.0000	2.25	Q				
36+20	0.0000	2.41	Q					41+30	0.0000	2.25	Q				
36+25	0.0000	2.41	Q					41+35	0.0000	2.25	Q				
36+30	0.0000	2.41	Q					41+40	0.0000	2.24	Q				
36+35	0.0000	2.41	Q					41+45	0.0000	2.24	Q				
36+40	0.0000	2.40	Q					41+50	0.0000	2.24	Q				
36+45	0.0000	2.40	Q					41+55	0.0000	2.23	Q				
36+50	0.0000	2.40	Q					42+ 0	0.0000	2.23	Q				
36+55	0.0000	2.40	Q					42+ 5	0.0000	2.23	Q				
37+ 0	0.0000	2.39	Q					42+10	0.0000	2.23	Q				
37+ 5	0.0000	2.39	Q					42+15	0.0000	2.22	Q				
37+10	0.0000	2.39	Q					42+20	0.0000	2.22	Q				
37+15	0.0000	2.39	Q					42+25	0.0000	2.22	Q				
37+20	0.0000	2.38	Q					42+30	0.0000	2.22	Q				
37+25	0.0000	2.38	Q					42+35	0.0000	2.21	Q				
37+30	0.0000	2.38	Q					42+40	0.0000	2.21	Q				
37+35	0.0000	2.38	Q					42+45	0.0000	2.21	Q				

42+50	0.0000	2.20	Q					48+ 0	0.0000	2.03	Q				
42+55	0.0000	2.20	Q					48+ 5	0.0000	2.02	Q				
43+ 0	0.0000	2.20	Q					48+10	0.0000	2.02	Q				
43+ 5	0.0000	2.20	Q					48+15	0.0000	2.02	Q				
43+10	0.0000	2.19	Q					48+20	0.0000	2.01	Q				
43+15	0.0000	2.19	Q					48+25	0.0000	2.01	Q				
43+20	0.0000	2.19	Q					48+30	0.0000	2.01	Q				
43+25	0.0000	2.18	Q					48+35	0.0000	2.00	Q				
43+30	0.0000	2.18	Q					48+40	0.0000	2.00	Q				
43+35	0.0000	2.18	Q					48+45	0.0000	1.99	Q				
43+40	0.0000	2.18	Q					48+50	0.0000	1.99	Q				
43+45	0.0000	2.17	Q					48+55	0.0000	1.99	Q				
43+50	0.0000	2.17	Q					49+ 0	0.0000	1.98	Q				
43+55	0.0000	2.17	Q					49+ 5	0.0000	1.98	Q				
44+ 0	0.0000	2.16	Q					49+10	0.0000	1.98	Q				
44+ 5	0.0000	2.16	Q					49+15	0.0000	1.97	Q				
44+10	0.0000	2.16	Q					49+20	0.0000	1.97	Q				
44+15	0.0000	2.16	Q					49+25	0.0000	1.97	Q				
44+20	0.0000	2.15	Q					49+30	0.0000	1.96	Q				
44+25	0.0000	2.15	Q					49+35	0.0000	1.96	Q				
44+30	0.0000	2.15	Q					49+40	0.0000	1.96	Q				
44+35	0.0000	2.14	Q					49+45	0.0000	1.95	Q				
44+40	0.0000	2.14	Q					49+50	0.0000	1.95	Q				
44+45	0.0000	2.14	Q					49+55	0.0000	1.95	Q				
44+50	0.0000	2.14	Q					50+ 0	0.0000	1.94	Q				
44+55	0.0000	2.13	Q					50+ 5	0.0000	1.94	Q				
45+ 0	0.0000	2.13	Q					50+10	0.0000	1.94	Q				
45+ 5	0.0000	2.13	Q					50+15	0.0000	1.93	Q				
45+10	0.0000	2.12	Q					50+20	0.0000	1.93	Q				
45+15	0.0000	2.12	Q					50+25	0.0000	1.93	Q				
45+20	0.0000	2.12	Q					50+30	0.0000	1.92	Q				
45+25	0.0000	2.12	Q					50+35	0.0000	1.92	Q				
45+30	0.0000	2.11	Q					50+40	0.0000	1.92	Q				
45+35	0.0000	2.11	Q					50+45	0.0000	1.91	Q				
45+40	0.0000	2.11	Q					50+50	0.0000	1.91	Q				
45+45	0.0000	2.10	Q					50+55	0.0000	1.91	Q				
45+50	0.0000	2.10	Q					51+ 0	0.0000	1.90	Q				
45+55	0.0000	2.10	Q					51+ 5	0.0000	1.90	Q				
46+ 0	0.0000	2.10	Q					51+10	0.0000	1.90	Q				
46+ 5	0.0000	2.09	Q					51+15	0.0000	1.89	Q				
46+10	0.0000	2.09	Q					51+20	0.0000	1.89	Q				
46+15	0.0000	2.09	Q					51+25	0.0000	1.89	Q				
46+20	0.0000	2.08	Q					51+30	0.0000	1.88	Q				
46+25	0.0000	2.08	Q					51+35	0.0000	1.88	Q				
46+30	0.0000	2.08	Q					51+40	0.0000	1.88	Q				
46+35	0.0000	2.08	Q					51+45	0.0000	1.87	Q				
46+40	0.0000	2.07	Q					51+50	0.0000	1.87	Q				
46+45	0.0000	2.07	Q					51+55	0.0000	1.87	Q				
46+50	0.0000	2.07	Q					52+ 0	0.0000	1.86	Q				
46+55	0.0000	2.07	Q					52+ 5	0.0000	1.86	Q				
47+ 0	0.0000	2.06	Q					52+10	0.0000	1.86	Q				
47+ 5	0.0000	2.06	Q					52+15	0.0000	1.85	Q				
47+10	0.0000	2.06	Q					52+20	0.0000	1.85	Q				
47+15	0.0000	2.05	Q					52+25	0.0000	1.85	Q				
47+20	0.0000	2.05	Q					52+30	0.0000	1.84	Q				
47+25	0.0000	2.05	Q					52+35	0.0000	1.84	Q				
47+30	0.0000	2.05	Q					52+40	0.0000	1.83	Q				
47+35	0.0000	2.04	Q					52+45	0.0000	1.83	Q				
47+40	0.0000	2.04	Q					52+50	0.0000	1.83	Q				
47+45	0.0000	2.04	Q					52+55	0.0000	1.82	Q				
47+50	0.0000	2.03	Q					53+ 0	0.0000	1.82	Q				
47+55	0.0000	2.03	Q					53+ 5	0.0000	1.82	Q				

53+10	0.0000	1.81	Q					58+20	0.0000	1.58	Q				
53+15	0.0000	1.81	Q					58+25	0.0000	1.57	Q				
53+20	0.0000	1.80	Q					58+30	0.0000	1.57	Q				
53+25	0.0000	1.80	Q					58+35	0.0000	1.56	Q				
53+30	0.0000	1.80	Q					58+40	0.0000	1.56	Q				
53+35	0.0000	1.79	Q					58+45	0.0000	1.55	Q				
53+40	0.0000	1.79	Q					58+50	0.0000	1.55	Q				
53+45	0.0000	1.79	Q					58+55	0.0000	1.55	Q				
53+50	0.0000	1.78	Q					59+ 0	0.0000	1.54	Q				
53+55	0.0000	1.78	Q					59+ 5	0.0000	1.54	Q				
54+ 0	0.0000	1.78	Q					59+10	0.0000	1.53	Q				
54+ 5	0.0000	1.77	Q					59+15	0.0000	1.53	Q				
54+10	0.0000	1.77	Q					59+20	0.0000	1.52	Q				
54+15	0.0000	1.76	Q					59+25	0.0000	1.52	Q				
54+20	0.0000	1.76	Q					59+30	0.0000	1.52	Q				
54+25	0.0000	1.76	Q					59+35	0.0000	1.51	Q				
54+30	0.0000	1.75	Q					59+40	0.0000	1.51	Q				
54+35	0.0000	1.75	Q					59+45	0.0000	1.50	Q				
54+40	0.0000	1.75	Q					59+50	0.0000	1.50	Q				
54+45	0.0000	1.74	Q					59+55	0.0000	1.50	Q				
54+50	0.0000	1.74	Q					60+ 0	0.0000	1.49	Q				
54+55	0.0000	1.74	Q					60+ 5	0.0000	1.49	Q				
55+ 0	0.0000	1.73	Q					60+10	0.0000	1.48	Q				
55+ 5	0.0000	1.73	Q					60+15	0.0000	1.48	Q				
55+10	0.0000	1.72	Q					60+20	0.0000	1.47	Q				
55+15	0.0000	1.72	Q					60+25	0.0000	1.47	Q				
55+20	0.0000	1.72	Q					60+30	0.0000	1.47	Q				
55+25	0.0000	1.71	Q					60+35	0.0000	1.46	Q				
55+30	0.0000	1.71	Q					60+40	0.0000	1.46	Q				
55+35	0.0000	1.71	Q					60+45	0.0000	1.45	Q				
55+40	0.0000	1.70	Q					60+50	0.0000	1.45	Q				
55+45	0.0000	1.70	Q					60+55	0.0000	1.45	Q				
55+50	0.0000	1.70	Q					61+ 0	0.0000	1.44	Q				
55+55	0.0000	1.69	Q					61+ 5	0.0000	1.44	Q				
56+ 0	0.0000	1.69	Q					61+10	0.0000	1.43	Q				
56+ 5	0.0000	1.69	Q					61+15	0.0000	1.43	Q				
56+10	0.0000	1.68	Q					61+20	0.0000	1.43	Q				
56+15	0.0000	1.68	Q					61+25	0.0000	1.42	Q				
56+20	0.0000	1.68	Q					61+30	0.0000	1.42	Q				
56+25	0.0000	1.67	Q					61+35	0.0000	1.41	Q				
56+30	0.0000	1.67	Q					61+40	0.0000	1.41	Q				
56+35	0.0000	1.67	Q					61+45	0.0000	1.41	Q				
56+40	0.0000	1.66	Q					61+50	0.0000	1.40	Q				
56+45	0.0000	1.66	Q					61+55	0.0000	1.39	Q				
56+50	0.0000	1.66	Q					62+ 0	0.0000	1.39	Q				
56+55	0.0000	1.65	Q					62+ 5	0.0000	1.38	Q				
57+ 0	0.0000	1.65	Q					62+10	0.0000	1.38	Q				
57+ 5	0.0000	1.64	Q					62+15	0.0000	1.37	Q				
57+10	0.0000	1.64	Q					62+20	0.0000	1.37	Q				
57+15	0.0000	1.63	Q					62+25	0.0000	1.36	Q				
57+20	0.0000	1.63	Q					62+30	0.0000	1.36	Q				
57+25	0.0000	1.63	Q					62+35	0.0000	1.35	Q				
57+30	0.0000	1.62	Q					62+40	0.0000	1.35	Q				
57+35	0.0000	1.62	Q					62+45	0.0000	1.34	Q				
57+40	0.0000	1.61	Q					62+50	0.0000	1.34	Q				
57+45	0.0000	1.61	Q					62+55	0.0000	1.33	Q				
57+50	0.0000	1.60	Q					63+ 0	0.0000	1.33	Q				
57+55	0.0000	1.60	Q					63+ 5	0.0000	1.32	Q				
58+ 0	0.0000	1.59	Q					63+10	0.0000	1.32	Q				
58+ 5	0.0000	1.59	Q					63+15	0.0000	1.31	Q				
58+10	0.0000	1.59	Q					63+20	0.0000	1.31	Q				
58+15	0.0000	1.58	Q					63+25	0.0000	1.30	Q				

63+30	0.0000	1.30	Q					68+40	0.0000	0.92	Q				
63+35	0.0000	1.29	Q					68+45	0.0000	0.91	Q				
63+40	0.0000	1.29	Q					68+50	0.0000	0.91	Q				
63+45	0.0000	1.28	Q					68+55	0.0000	0.90	Q				
63+50	0.0000	1.28	Q					69+ 0	0.0000	0.89	Q				
63+55	0.0000	1.27	Q					69+ 5	0.0000	0.88	Q				
64+ 0	0.0000	1.27	Q					69+10	0.0000	0.88	Q				
64+ 5	0.0000	1.26	Q					69+15	0.0000	0.87	Q				
64+10	0.0000	1.26	Q					69+20	0.0000	0.86	Q				
64+15	0.0000	1.25	Q					69+25	0.0000	0.86	Q				
64+20	0.0000	1.25	Q					69+30	0.0000	0.85	Q				
64+25	0.0000	1.24	Q					69+35	0.0000	0.84	Q				
64+30	0.0000	1.24	Q					69+40	0.0000	0.84	Q				
64+35	0.0000	1.23	Q					69+45	0.0000	0.83	Q				
64+40	0.0000	1.23	Q					69+50	0.0000	0.82	Q				
64+45	0.0000	1.22	Q					69+55	0.0000	0.82	Q				
64+50	0.0000	1.22	Q					70+ 0	0.0000	0.81	Q				
64+55	0.0000	1.22	Q					70+ 5	0.0000	0.80	Q				
65+ 0	0.0000	1.21	Q					70+10	0.0000	0.80	Q				
65+ 5	0.0000	1.21	Q					70+15	0.0000	0.79	Q				
65+10	0.0000	1.20	Q					70+20	0.0000	0.78	Q				
65+15	0.0000	1.20	Q					70+25	0.0000	0.78	Q				
65+20	0.0000	1.19	Q					70+30	0.0000	0.77	Q				
65+25	0.0000	1.19	Q					70+35	0.0000	0.76	Q				
65+30	0.0000	1.18	Q					70+40	0.0000	0.76	Q				
65+35	0.0000	1.18	Q					70+45	0.0000	0.75	Q				
65+40	0.0000	1.17	Q					70+50	0.0000	0.74	Q				
65+45	0.0000	1.17	Q					70+55	0.0000	0.74	Q				
65+50	0.0000	1.17	Q					71+ 0	0.0000	0.73	Q				
65+55	0.0000	1.16	Q					71+ 5	0.0000	0.73	Q				
66+ 0	0.0000	1.16	Q					71+10	0.0000	0.72	Q				
66+ 5	0.0000	1.15	Q					71+15	0.0000	0.71	Q				
66+10	0.0000	1.15	Q					71+20	0.0000	0.71	Q				
66+15	0.0000	1.14	Q					71+25	0.0000	0.70	Q				
66+20	0.0000	1.14	Q					71+30	0.0000	0.70	Q				
66+25	0.0000	1.13	Q					71+35	0.0000	0.69	Q				
66+30	0.0000	1.13	Q					71+40	0.0000	0.69	Q				
66+35	0.0000	1.13	Q					71+45	0.0000	0.68	Q				
66+40	0.0000	1.12	Q					71+50	0.0000	0.67	Q				
66+45	0.0000	1.11	Q					71+55	0.0000	0.67	Q				
66+50	0.0000	1.11	Q					72+ 0	0.0000	0.66	Q				
66+55	0.0000	1.10	Q					72+ 5	0.0000	0.66	Q				
67+ 0	0.0000	1.09	Q					72+10	0.0000	0.65	Q				
67+ 5	0.0000	1.08	Q					72+15	0.0000	0.65	Q				
67+10	0.0000	1.07	Q					72+20	0.0000	0.64	Q				
67+15	0.0000	1.06	Q					72+25	0.0000	0.64	Q				
67+20	0.0000	1.05	Q					72+30	0.0000	0.63	Q				
67+25	0.0000	1.04	Q					72+35	0.0000	0.63	Q				
67+30	0.0000	1.03	Q					72+40	0.0000	0.62	Q				
67+35	0.0000	1.03	Q					72+45	0.0000	0.62	Q				
67+40	0.0000	1.02	Q					72+50	0.0000	0.61	Q				
67+45	0.0000	1.01	Q					72+55	0.0000	0.61	Q				
67+50	0.0000	1.00	Q					73+ 0	0.0000	0.60	Q				
67+55	0.0000	0.99	Q					73+ 5	0.0000	0.60	Q				
68+ 0	0.0000	0.98	Q					73+10	0.0000	0.59	Q				
68+ 5	0.0000	0.98	Q					73+15	0.0000	0.59	Q				
68+10	0.0000	0.97	Q					73+20	0.0000	0.58	Q				
68+15	0.0000	0.96	Q					73+25	0.0000	0.58	Q				
68+20	0.0000	0.95	Q					73+30	0.0000	0.58	Q				
68+25	0.0000	0.95	Q					73+35	0.0000	0.58	Q				
68+30	0.0000	0.94	Q					73+40	0.0000	0.57	Q				
68+35	0.0000	0.93	Q					73+45	0.0000	0.57	Q				

73+50	0.0000	0.57	Q					79+ 0	0.0000	0.47	Q				
73+55	0.0000	0.57	Q					79+ 5	0.0000	0.46	Q				
74+ 0	0.0000	0.57	Q					79+10	0.0000	0.46	Q				
74+ 5	0.0000	0.56	Q					79+15	0.0000	0.46	Q				
74+10	0.0000	0.56	Q					79+20	0.0000	0.46	Q				
74+15	0.0000	0.56	Q					79+25	0.0000	0.46	Q				
74+20	0.0000	0.56	Q					79+30	0.0000	0.46	Q				
74+25	0.0000	0.56	Q					79+35	0.0000	0.46	Q				
74+30	0.0000	0.55	Q					79+40	0.0000	0.45	Q				
74+35	0.0000	0.55	Q					79+45	0.0000	0.45	Q				
74+40	0.0000	0.55	Q					79+50	0.0000	0.45	Q				
74+45	0.0000	0.55	Q					79+55	0.0000	0.45	Q				
74+50	0.0000	0.55	Q					80+ 0	0.0000	0.45	Q				
74+55	0.0000	0.55	Q					80+ 5	0.0000	0.45	Q				
75+ 0	0.0000	0.54	Q					80+10	0.0000	0.45	Q				
75+ 5	0.0000	0.54	Q					80+15	0.0000	0.44	Q				
75+10	0.0000	0.54	Q					80+20	0.0000	0.44	Q				
75+15	0.0000	0.54	Q					80+25	0.0000	0.44	Q				
75+20	0.0000	0.54	Q					80+30	0.0000	0.44	Q				
75+25	0.0000	0.54	Q					80+35	0.0000	0.44	Q				
75+30	0.0000	0.53	Q					80+40	0.0000	0.44	Q				
75+35	0.0000	0.53	Q					80+45	0.0000	0.44	Q				
75+40	0.0000	0.53	Q					80+50	0.0000	0.43	Q				
75+45	0.0000	0.53	Q					80+55	0.0000	0.43	Q				
75+50	0.0000	0.53	Q					81+ 0	0.0000	0.43	Q				
75+55	0.0000	0.53	Q					81+ 5	0.0000	0.43	Q				
76+ 0	0.0000	0.52	Q					81+10	0.0000	0.43	Q				
76+ 5	0.0000	0.52	Q					81+15	0.0000	0.43	Q				
76+10	0.0000	0.52	Q					81+20	0.0000	0.43	Q				
76+15	0.0000	0.52	Q					81+25	0.0000	0.42	Q				
76+20	0.0000	0.52	Q					81+30	0.0000	0.42	Q				
76+25	0.0000	0.52	Q					81+35	0.0000	0.42	Q				
76+30	0.0000	0.51	Q					81+40	0.0000	0.42	Q				
76+35	0.0000	0.51	Q					81+45	0.0000	0.42	Q				
76+40	0.0000	0.51	Q					81+50	0.0000	0.42	Q				
76+45	0.0000	0.51	Q					81+55	0.0000	0.42	Q				
76+50	0.0000	0.51	Q					82+ 0	0.0000	0.42	Q				
76+55	0.0000	0.51	Q					82+ 5	0.0000	0.41	Q				
77+ 0	0.0000	0.50	Q					82+10	0.0000	0.41	Q				
77+ 5	0.0000	0.50	Q					82+15	0.0000	0.41	Q				
77+10	0.0000	0.50	Q					82+20	0.0000	0.41	Q				
77+15	0.0000	0.50	Q					82+25	0.0000	0.41	Q				
77+20	0.0000	0.50	Q					82+30	0.0000	0.41	Q				
77+25	0.0000	0.50	Q					82+35	0.0000	0.41	Q				
77+30	0.0000	0.49	Q					82+40	0.0000	0.40	Q				
77+35	0.0000	0.49	Q					82+45	0.0000	0.40	Q				
77+40	0.0000	0.49	Q					82+50	0.0000	0.40	Q				
77+45	0.0000	0.49	Q					82+55	0.0000	0.40	Q				
77+50	0.0000	0.49	Q					83+ 0	0.0000	0.40	Q				
77+55	0.0000	0.49	Q					83+ 5	0.0000	0.39	Q				
78+ 0	0.0000	0.48	Q					83+10	0.0000	0.39	Q				
78+ 5	0.0000	0.48	Q					83+15	0.0000	0.39	Q				
78+10	0.0000	0.48	Q					83+20	0.0000	0.38	Q				
78+15	0.0000	0.48	Q					83+25	0.0000	0.38	Q				
78+20	0.0000	0.48	Q					83+30	0.0000	0.38	Q				
78+25	0.0000	0.48	Q					83+35	0.0000	0.37	Q				
78+30	0.0000	0.48	Q					83+40	0.0000	0.37	Q				
78+35	0.0000	0.47	Q					83+45	0.0000	0.37	Q				
78+40	0.0000	0.47	Q					83+50	0.0000	0.37	Q				
78+45	0.0000	0.47	Q					83+55	0.0000	0.36	Q				
78+50	0.0000	0.47	Q					84+ 0	0.0000	0.36	Q				
78+55	0.0000	0.47	Q					84+ 5	0.0000	0.36	Q				

84+10	0.0000	0.35	Q					89+20	0.0000	0.21	Q				
84+15	0.0000	0.35	Q					89+25	0.0000	0.20	Q				
84+20	0.0000	0.35	Q					89+30	0.0000	0.20	Q				
84+25	0.0000	0.34	Q					89+35	0.0000	0.20	Q				
84+30	0.0000	0.34	Q					89+40	0.0000	0.20	Q				
84+35	0.0000	0.34	Q					89+45	0.0000	0.20	Q				
84+40	0.0000	0.33	Q					89+50	0.0000	0.20	Q				
84+45	0.0000	0.33	Q					89+55	0.0000	0.19	Q				
84+50	0.0000	0.33	Q					90+ 0	0.0000	0.19	Q				
84+55	0.0000	0.33	Q					90+ 5	0.0000	0.19	Q				
85+ 0	0.0000	0.32	Q					90+10	0.0000	0.19	Q				
85+ 5	0.0000	0.32	Q					90+15	0.0000	0.19	Q				
85+10	0.0000	0.32	Q					90+20	0.0000	0.19	Q				
85+15	0.0000	0.32	Q					90+25	0.0000	0.18	Q				
85+20	0.0000	0.31	Q					90+30	0.0000	0.18	Q				
85+25	0.0000	0.31	Q					90+35	0.0000	0.18	Q				
85+30	0.0000	0.31	Q					90+40	0.0000	0.18	Q				
85+35	0.0000	0.30	Q					90+45	0.0000	0.18	Q				
85+40	0.0000	0.30	Q					90+50	0.0000	0.18	Q				
85+45	0.0000	0.30	Q					90+55	0.0000	0.18	Q				
85+50	0.0000	0.30	Q					91+ 0	0.0000	0.17	Q				
85+55	0.0000	0.29	Q					91+ 5	0.0000	0.17	Q				
86+ 0	0.0000	0.29	Q					91+10	0.0000	0.17	Q				
86+ 5	0.0000	0.29	Q					91+15	0.0000	0.17	Q				
86+10	0.0000	0.29	Q					91+20	0.0000	0.17	Q				
86+15	0.0000	0.28	Q					91+25	0.0000	0.17	Q				
86+20	0.0000	0.28	Q					91+30	0.0000	0.16	Q				
86+25	0.0000	0.28	Q					91+35	0.0000	0.16	Q				
86+30	0.0000	0.28	Q					91+40	0.0000	0.16	Q				
86+35	0.0000	0.27	Q					91+45	0.0000	0.16	Q				
86+40	0.0000	0.27	Q					91+50	0.0000	0.16	Q				
86+45	0.0000	0.27	Q					91+55	0.0000	0.16	Q				
86+50	0.0000	0.27	Q					92+ 0	0.0000	0.16	Q				
86+55	0.0000	0.27	Q					92+ 5	0.0000	0.16	Q				
87+ 0	0.0000	0.26	Q					92+10	0.0000	0.15	Q				
87+ 5	0.0000	0.26	Q					92+15	0.0000	0.15	Q				
87+10	0.0000	0.26	Q					92+20	0.0000	0.15	Q				
87+15	0.0000	0.26	Q					92+25	0.0000	0.15	Q				
87+20	0.0000	0.25	Q					92+30	0.0000	0.15	Q				
87+25	0.0000	0.25	Q					92+35	0.0000	0.15	Q				
87+30	0.0000	0.25	Q					92+40	0.0000	0.15	Q				
87+35	0.0000	0.25	Q					92+45	0.0000	0.14	Q				
87+40	0.0000	0.25	Q					92+50	0.0000	0.14	Q				
87+45	0.0000	0.24	Q					92+55	0.0000	0.14	Q				
87+50	0.0000	0.24	Q					93+ 0	0.0000	0.14	Q				
87+55	0.0000	0.24	Q					93+ 5	0.0000	0.14	Q				
88+ 0	0.0000	0.24	Q					93+10	0.0000	0.14	Q				
88+ 5	0.0000	0.24	Q					93+15	0.0000	0.14	Q				
88+10	0.0000	0.23	Q					93+20	0.0000	0.14	Q				
88+15	0.0000	0.23	Q					93+25	0.0000	0.14	Q				
88+20	0.0000	0.23	Q					93+30	0.0000	0.13	Q				
88+25	0.0000	0.23	Q					93+35	0.0000	0.13	Q				
88+30	0.0000	0.23	Q					93+40	0.0000	0.13	Q				
88+35	0.0000	0.22	Q					93+45	0.0000	0.13	Q				
88+40	0.0000	0.22	Q					93+50	0.0000	0.13	Q				
88+45	0.0000	0.22	Q					93+55	0.0000	0.13	Q				
88+50	0.0000	0.22	Q					94+ 0	0.0000	0.13	Q				
88+55	0.0000	0.22	Q					94+ 5	0.0000	0.13	Q				
89+ 0	0.0000	0.21	Q					94+10	0.0000	0.13	Q				
89+ 5	0.0000	0.21	Q					94+15	0.0000	0.12	Q				
89+10	0.0000	0.21	Q					94+20	0.0000	0.12	Q				
89+15	0.0000	0.21	Q					94+25	0.0000	0.12	Q				

94+30	0.0000	0.12	Q					99+40	0.0000	0.07	Q								
94+35	0.0000	0.12	Q					99+45	0.0000	0.07	Q								
94+40	0.0000	0.12	Q					99+50	0.0000	0.07	Q								
94+45	0.0000	0.12	Q					99+55	0.0000	0.07	Q								
94+50	0.0000	0.12	Q					100+ 0	0.0000	0.07	Q								
94+55	0.0000	0.12	Q					100+ 5	0.0000	0.07	Q								
95+ 0	0.0000	0.11	Q					100+10	0.0000	0.07	Q								
95+ 5	0.0000	0.11	Q					100+15	0.0000	0.07	Q								
95+10	0.0000	0.11	Q					100+20	0.0000	0.07	Q								
95+15	0.0000	0.11	Q					100+25	0.0000	0.07	Q								
95+20	0.0000	0.11	Q					100+30	0.0000	0.06	Q								
95+25	0.0000	0.11	Q					100+35	0.0000	0.06	Q								
95+30	0.0000	0.11	Q					100+40	0.0000	0.06	Q								
95+35	0.0000	0.11	Q					100+45	0.0000	0.06	Q								
95+40	0.0000	0.11	Q					100+50	0.0000	0.06	Q								
95+45	0.0000	0.11	Q					100+55	0.0000	0.06	Q								
95+50	0.0000	0.11	Q					101+ 0	0.0000	0.06	Q								
95+55	0.0000	0.10	Q					101+ 5	0.0000	0.06	Q								
96+ 0	0.0000	0.10	Q					101+10	0.0000	0.06	Q								
96+ 5	0.0000	0.10	Q					101+15	0.0000	0.06	Q								
96+10	0.0000	0.10	Q					101+20	0.0000	0.06	Q								
96+15	0.0000	0.10	Q					101+25	0.0000	0.06	Q								
96+20	0.0000	0.10	Q					101+30	0.0000	0.06	Q								
96+25	0.0000	0.10	Q					101+35	0.0000	0.06	Q								
96+30	0.0000	0.10	Q					101+40	0.0000	0.06	Q								
96+35	0.0000	0.10	Q					101+45	0.0000	0.06	Q								
96+40	0.0000	0.10	Q					101+50	0.0000	0.06	Q								
96+45	0.0000	0.10	Q					101+55	0.0000	0.06	Q								
96+50	0.0000	0.09	Q					102+ 0	0.0000	0.06	Q								
96+55	0.0000	0.09	Q					102+ 5	0.0000	0.06	Q								
97+ 0	0.0000	0.09	Q					102+10	0.0000	0.05	Q								
97+ 5	0.0000	0.09	Q					102+15	0.0000	0.05	Q								
97+10	0.0000	0.09	Q					102+20	0.0000	0.05	Q								
97+15	0.0000	0.09	Q					102+25	0.0000	0.05	Q								
97+20	0.0000	0.09	Q					102+30	0.0000	0.05	Q								
97+25	0.0000	0.09	Q					102+35	0.0000	0.05	Q								
97+30	0.0000	0.09	Q					102+40	0.0000	0.05	Q								
97+35	0.0000	0.09	Q					102+45	0.0000	0.05	Q								
97+40	0.0000	0.09	Q					102+50	0.0000	0.05	Q								
97+45	0.0000	0.09	Q					102+55	0.0000	0.05	Q								
97+50	0.0000	0.09	Q					103+ 0	0.0000	0.05	Q								
97+55	0.0000	0.08	Q					103+ 5	0.0000	0.05	Q								
98+ 0	0.0000	0.08	Q					103+10	0.0000	0.05	Q								
98+ 5	0.0000	0.08	Q					103+15	0.0000	0.05	Q								
98+10	0.0000	0.08	Q					103+20	0.0000	0.05	Q								
98+15	0.0000	0.08	Q					103+25	0.0000	0.05	Q								
98+20	0.0000	0.08	Q					103+30	0.0000	0.05	Q								
98+25	0.0000	0.08	Q					103+35	0.0000	0.05	Q								
98+30	0.0000	0.08	Q					103+40	0.0000	0.05	Q								
98+35	0.0000	0.08	Q					103+45	0.0000	0.05	Q								
98+40	0.0000	0.08	Q					103+50	0.0000	0.05	Q								
98+45	0.0000	0.08	Q					103+55	0.0000	0.05	Q								
98+50	0.0000	0.08	Q					104+ 0	0.0000	0.05	Q								
98+55	0.0000	0.08	Q					104+ 5	0.0000	0.04	Q								
99+ 0	0.0000	0.08	Q					104+10	0.0000	0.04	Q								
99+ 5	0.0000	0.08	Q					104+15	0.0000	0.04	Q								
99+10	0.0000	0.07	Q					104+20	0.0000	0.04	Q								
99+15	0.0000	0.07	Q					104+25	0.0000	0.04	Q								
99+20	0.0000	0.07	Q					104+30	0.0000	0.04	Q								
99+25	0.0000	0.07	Q					104+35	0.0000	0.04	Q								
99+30	0.0000	0.07	Q					104+40	0.0000	0.04	Q								
99+35	0.0000	0.07	Q					104+45	0.0000	0.04	Q								

104+50	0.0000	0.04	Q					110+ 0	0.0000	0.02	Q				
104+55	0.0000	0.04	Q					110+ 5	0.0000	0.02	Q				
105+ 0	0.0000	0.04	Q					110+10	0.0000	0.02	Q				
105+ 5	0.0000	0.04	Q					110+15	0.0000	0.02	Q				
105+10	0.0000	0.04	Q					110+20	0.0000	0.02	Q				
105+15	0.0000	0.04	Q					110+25	0.0000	0.02	Q				
105+20	0.0000	0.04	Q					110+30	0.0000	0.02	Q				
105+25	0.0000	0.04	Q					110+35	0.0000	0.02	Q				
105+30	0.0000	0.04	Q					110+40	0.0000	0.02	Q				
105+35	0.0000	0.04	Q					110+45	0.0000	0.02	Q				
105+40	0.0000	0.04	Q					110+50	0.0000	0.02	Q				
105+45	0.0000	0.04	Q					110+55	0.0000	0.02	Q				
105+50	0.0000	0.04	Q					111+ 0	0.0000	0.02	Q				
105+55	0.0000	0.04	Q					111+ 5	0.0000	0.02	Q				
106+ 0	0.0000	0.04	Q					111+10	0.0000	0.02	Q				
106+ 5	0.0000	0.04	Q					111+15	0.0000	0.02	Q				
106+10	0.0000	0.04	Q					111+20	0.0000	0.02	Q				
106+15	0.0000	0.04	Q					111+25	0.0000	0.02	Q				
106+20	0.0000	0.04	Q					111+30	0.0000	0.02	Q				
106+25	0.0000	0.04	Q					111+35	0.0000	0.02	Q				
106+30	0.0000	0.03	Q					111+40	0.0000	0.02	Q				
106+35	0.0000	0.03	Q					111+45	0.0000	0.02	Q				
106+40	0.0000	0.03	Q					111+50	0.0000	0.02	Q				
106+45	0.0000	0.03	Q					111+55	0.0000	0.02	Q				
106+50	0.0000	0.03	Q					112+ 0	0.0000	0.02	Q				
106+55	0.0000	0.03	Q					112+ 5	0.0000	0.02	Q				
107+ 0	0.0000	0.03	Q					112+10	0.0000	0.02	Q				
107+ 5	0.0000	0.03	Q					112+15	0.0000	0.02	Q				
107+10	0.0000	0.03	Q					112+20	0.0000	0.02	Q				
107+15	0.0000	0.03	Q					112+25	0.0000	0.02	Q				
107+20	0.0000	0.03	Q					112+30	0.0000	0.02	Q				
107+25	0.0000	0.03	Q					112+35	0.0000	0.02	Q				
107+30	0.0000	0.03	Q					112+40	0.0000	0.02	Q				
107+35	0.0000	0.03	Q					112+45	0.0000	0.02	Q				
107+40	0.0000	0.03	Q					112+50	0.0000	0.02	Q				
107+45	0.0000	0.03	Q					112+55	0.0000	0.02	Q				
107+50	0.0000	0.03	Q					113+ 0	0.0000	0.02	Q				
107+55	0.0000	0.03	Q					113+ 5	0.0000	0.02	Q				
108+ 0	0.0000	0.03	Q					113+10	0.0000	0.02	Q				
108+ 5	0.0000	0.03	Q					113+15	0.0000	0.02	Q				
108+10	0.0000	0.03	Q					113+20	0.0000	0.02	Q				
108+15	0.0000	0.03	Q					113+25	0.0000	0.02	Q				
108+20	0.0000	0.03	Q					113+30	0.0000	0.02	Q				
108+25	0.0000	0.03	Q					113+35	0.0000	0.02	Q				
108+30	0.0000	0.03	Q					113+40	0.0000	0.02	Q				
108+35	0.0000	0.03	Q					113+45	0.0000	0.02	Q				
108+40	0.0000	0.03	Q					113+50	0.0000	0.02	Q				
108+45	0.0000	0.03	Q					113+55	0.0000	0.02	Q				
108+50	0.0000	0.03	Q					114+ 0	0.0000	0.02	Q				
108+55	0.0000	0.03	Q					114+ 5	0.0000	0.02	Q				
109+ 0	0.0000	0.03	Q					114+10	0.0000	0.02	Q				
109+ 5	0.0000	0.03	Q					114+15	0.0000	0.02	Q				
109+10	0.0000	0.03	Q					114+20	0.0000	0.02	Q				
109+15	0.0000	0.03	Q					114+25	0.0000	0.02	Q				
109+20	0.0000	0.03	Q					114+30	0.0000	0.02	Q				
109+25	0.0000	0.03	Q					114+35	0.0000	0.02	Q				
109+30	0.0000	0.03	Q					114+40	0.0000	0.01	Q				
109+35	0.0000	0.03	Q					114+45	0.0000	0.01	Q				
109+40	0.0000	0.03	Q					114+50	0.0000	0.01	Q				
109+45	0.0000	0.02	Q					114+55	0.0000	0.01	Q				
109+50	0.0000	0.02	Q					115+ 0	0.0000	0.01	Q				
109+55	0.0000	0.02	Q					115+ 5	0.0000	0.01	Q				

115+10	0.0000	0.01	Q					120+20	0.0000	0.01	Q				
115+15	0.0000	0.01	Q					120+25	0.0000	0.01	Q				
115+20	0.0000	0.01	Q					120+30	0.0000	0.01	Q				
115+25	0.0000	0.01	Q					120+35	0.0000	0.01	Q				
115+30	0.0000	0.01	Q					120+40	0.0000	0.01	Q				
115+35	0.0000	0.01	Q					120+45	0.0000	0.01	Q				
115+40	0.0000	0.01	Q					120+50	0.0000	0.01	Q				
115+45	0.0000	0.01	Q					120+55	0.0000	0.01	Q				
115+50	0.0000	0.01	Q					121+ 0	0.0000	0.01	Q				
115+55	0.0000	0.01	Q					121+ 5	0.0000	0.01	Q				
116+ 0	0.0000	0.01	Q					121+10	0.0000	0.01	Q				
116+ 5	0.0000	0.01	Q					121+15	0.0000	0.01	Q				
116+10	0.0000	0.01	Q					121+20	0.0000	0.01	Q				
116+15	0.0000	0.01	Q					121+25	0.0000	0.01	Q				
116+20	0.0000	0.01	Q					121+30	0.0000	0.01	Q				
116+25	0.0000	0.01	Q					121+35	0.0000	0.01	Q				
116+30	0.0000	0.01	Q					121+40	0.0000	0.01	Q				
116+35	0.0000	0.01	Q					121+45	0.0000	0.01	Q				
116+40	0.0000	0.01	Q					121+50	0.0000	0.01	Q				
116+45	0.0000	0.01	Q					121+55	0.0000	0.01	Q				
116+50	0.0000	0.01	Q					122+ 0	0.0000	0.01	Q				
116+55	0.0000	0.01	Q					122+ 5	0.0000	0.01	Q				
117+ 0	0.0000	0.01	Q					122+10	0.0000	0.01	Q				
117+ 5	0.0000	0.01	Q					122+15	0.0000	0.01	Q				
117+10	0.0000	0.01	Q					122+20	0.0000	0.01	Q				
117+15	0.0000	0.01	Q					122+25	0.0000	0.01	Q				
117+20	0.0000	0.01	Q					122+30	0.0000	0.01	Q				
117+25	0.0000	0.01	Q					122+35	0.0000	0.01	Q				
117+30	0.0000	0.01	Q					122+40	0.0000	0.01	Q				
117+35	0.0000	0.01	Q					122+45	0.0000	0.01	Q				
117+40	0.0000	0.01	Q					122+50	0.0000	0.01	Q				
117+45	0.0000	0.01	Q					122+55	0.0000	0.01	Q				
117+50	0.0000	0.01	Q					123+ 0	0.0000	0.01	Q				
117+55	0.0000	0.01	Q					123+ 5	0.0000	0.01	Q				
118+ 0	0.0000	0.01	Q					123+10	0.0000	0.01	Q				
118+ 5	0.0000	0.01	Q					123+15	0.0000	0.01	Q				
118+10	0.0000	0.01	Q					123+20	0.0000	0.01	Q				
118+15	0.0000	0.01	Q					123+25	0.0000	0.01	Q				
118+20	0.0000	0.01	Q					123+30	0.0000	0.01	Q				
118+25	0.0000	0.01	Q					123+35	0.0000	0.01	Q				
118+30	0.0000	0.01	Q					123+40	0.0000	0.01	Q				
118+35	0.0000	0.01	Q					123+45	0.0000	0.01	Q				
118+40	0.0000	0.01	Q					123+50	0.0000	0.01	Q				
118+45	0.0000	0.01	Q					123+55	0.0000	0.01	Q				
118+50	0.0000	0.01	Q					124+ 0	0.0000	0.01	Q				
118+55	0.0000	0.01	Q					124+ 5	0.0000	0.01	Q				
119+ 0	0.0000	0.01	Q					124+10	0.0000	0.01	Q				
119+ 5	0.0000	0.01	Q					124+15	0.0000	0.01	Q				
119+10	0.0000	0.01	Q					124+20	0.0000	0.01	Q				
119+15	0.0000	0.01	Q					124+25	0.0000	0.01	Q				
119+20	0.0000	0.01	Q					124+30	0.0000	0.01	Q				
119+25	0.0000	0.01	Q					124+35	0.0000	0.01	Q				
119+30	0.0000	0.01	Q					124+40	0.0000	0.01	Q				
119+35	0.0000	0.01	Q					124+45	0.0000	0.01	Q				
119+40	0.0000	0.01	Q					124+50	0.0000	0.01	Q				
119+45	0.0000	0.01	Q					124+55	0.0000	0.01	Q				
119+50	0.0000	0.01	Q					125+ 0	0.0000	0.01	Q				
119+55	0.0000	0.01	Q					125+ 5	0.0000	0.01	Q				
120+ 0	0.0000	0.01	Q					125+10	0.0000	0.01	Q				
120+ 5	0.0000	0.01	Q					125+15	0.0000	0.00	Q				
120+10	0.0000	0.01	Q					125+20	0.0000	0.00	Q				
120+15	0.0000	0.01	Q					125+25	0.0000	0.00	Q				

125+30	0.0000	0.00	Q					130+40	0.0000	0.00	Q				
125+35	0.0000	0.00	Q					130+45	0.0000	0.00	Q				
125+40	0.0000	0.00	Q					130+50	0.0000	0.00	Q				
125+45	0.0000	0.00	Q					130+55	0.0000	0.00	Q				
125+50	0.0000	0.00	Q					131+ 0	0.0000	0.00	Q				
125+55	0.0000	0.00	Q					131+ 5	0.0000	0.00	Q				
126+ 0	0.0000	0.00	Q					131+10	0.0000	0.00	Q				
126+ 5	0.0000	0.00	Q					131+15	0.0000	0.00	Q				
126+10	0.0000	0.00	Q					131+20	0.0000	0.00	Q				
126+15	0.0000	0.00	Q					131+25	0.0000	0.00	Q				
126+20	0.0000	0.00	Q					131+30	0.0000	0.00	Q				
126+25	0.0000	0.00	Q					131+35	0.0000	0.00	Q				
126+30	0.0000	0.00	Q					131+40	0.0000	0.00	Q				
126+35	0.0000	0.00	Q					131+45	0.0000	0.00	Q				
126+40	0.0000	0.00	Q					131+50	0.0000	0.00	Q				
126+45	0.0000	0.00	Q					131+55	0.0000	0.00	Q				
126+50	0.0000	0.00	Q					132+ 0	0.0000	0.00	Q				
126+55	0.0000	0.00	Q					132+ 5	0.0000	0.00	Q				
127+ 0	0.0000	0.00	Q					132+10	0.0000	0.00	Q				
127+ 5	0.0000	0.00	Q					132+15	0.0000	0.00	Q				
127+10	0.0000	0.00	Q					132+20	0.0000	0.00	Q				
127+15	0.0000	0.00	Q					132+25	0.0000	0.00	Q				
127+20	0.0000	0.00	Q					132+30	0.0000	0.00	Q				
127+25	0.0000	0.00	Q					132+35	0.0000	0.00	Q				
127+30	0.0000	0.00	Q					132+40	0.0000	0.00	Q				
127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				

135+50	0.0000	0.00	Q	|	|	|	|
135+55	0.0000	0.00	Q	|	|	|	|
136+ 0	0.0000	0.00	Q	|	|	|	|
136+ 5	0.0000	0.00	Q	|	|	|	|
136+10	0.0000	0.00	Q	|	|	|	|
136+15	0.0000	0.00	Q	|	|	|	|
136+20	0.0000	0.00	Q	|	|	|	|
136+25	0.0000	0.00	Q	|	|	|	|
136+30	0.0000	0.00	Q	|	|	|	|
136+35	0.0000	0.00	Q	|	|	|	|
136+40	0.0000	0.00	Q	|	|	|	|
136+45	0.0000	0.00	Q	|	|	|	|
136+50	0.0000	0.00	Q	|	|	|	|
136+55	0.0000	0.00	Q	|	|	|	|
137+ 0	0.0000	0.00	Q	|	|	|	|
137+ 5	0.0000	0.00	Q	|	|	|	|
137+10	0.0000	0.00	Q	|	|	|	|
137+15	0.0000	0.00	Q	|	|	|	|
137+20	0.0000	0.00	Q	|	|	|	|
137+25	0.0000	0.00	Q	|	|	|	|
137+30	0.0000	0.00	Q	|	|	|	|
137+35	0.0000	0.00	Q	|	|	|	|
137+40	0.0000	0.00	Q	|	|	|	|
137+45	0.0000	0.00	Q	|	|	|	|
137+50	0.0000	0.00	Q	|	|	|	|
137+55	0.0000	0.00	Q	|	|	|	|
138+ 0	0.0000	0.00	Q	|	|	|	|
138+ 5	0.0000	0.00	Q	|	|	|	|
138+10	0.0000	0.00	Q	|	|	|	|
138+15	0.0000	0.00	Q	|	|	|	|
138+20	0.0000	0.00	Q	|	|	|	|
138+25	0.0000	0.00	Q	|	|	|	|
138+30	0.0000	0.00	Q	|	|	|	|
138+35	0.0000	0.00	Q	|	|	|	|
138+40	0.0000	0.00	Q	|	|	|	|
138+45	0.0000	0.00	Q	|	|	|	|
138+50	0.0000	0.00	Q	|	|	|	|
138+55	0.0000	0.00	Q	|	|	|	|
139+ 0	0.0000	0.00	Q	|	|	|	|
139+ 5	0.0000	0.00	Q	|	|	|	|
139+10	0.0000	0.00	Q	|	|	|	|
139+15	0.0000	0.00	Q	|	|	|	|
139+20	0.0000	0.00	Q	|	|	|	|
139+25	0.0000	0.00	Q	|	|	|	|
139+30	0.0000	0.00	Q	|	|	|	|
139+35	0.0000	0.00	Q	|	|	|	|
139+40	0.0000	0.00	Q	|	|	|	|
139+45	0.0000	0.00	Q	|	|	|	|
139+50	0.0000	0.00	Q	|	|	|	|
139+55	0.0000	0.00	Q	|	|	|	|

**********HYDROGRAPH DATA**********

Number of intervals = 5002
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 261.503 (CFS)
Total volume = 113.605 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	10.790	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	4.173	0.000	0.000

****

Process from Point/Station 10.920 to Point/Station 10.960
**** ADD/COMBINE/RECOVER HYDROGRAPHS ****

From stored stream number 3 the total
volume of 4.17 (Ac.Ft) is being added to the
current hydrograph at its original rate from user
with a delay time to start of addition of 0.00 hours.

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Add q(CFS)	Tot. Q	0	65.8	131.7	197.5	263.4
0+ 5	0.0040	0.09	Q	|	|	|	|
0+10	0.0156	0.36	Q	|	|	|	|
0+15	0.0308	0.88	Q	|	|	|	|
0+20	0.0482	2.02	Q	|	|	|	|
0+25	0.0690	2.84	Q	|	|	|	|
0+30	0.0914	3.48	Q	|	|	|	|
0+35	0.1135	4.31	Q	|	|	|	|
0+40	0.1352	4.88	Q	|	|	|	|
0+45	0.1565	5.26	Q	|	|	|	|
0+50	0.1794	5.60	Q	|	|	|	|
0+55	0.2069	6.00	Q	|	|	|	|
1+ 0	0.2403	6.47	Q	|	|	|	|
1+ 5	0.2707	7.16	qQ	|	|	|	|
1+10	0.2959	7.50	qQ	|	|	|	|
1+15	0.3181	7.54	qQ	|	|	|	|
1+20	0.3396	7.23	qQ	|	|	|	|
1+25	0.3607	7.08	qQ	|	|	|	|
1+30	0.3813	7.06	qQ	|	|	|	|
1+35	0.4014	7.07	qQ	|	|	|	|
1+40	0.4210	7.09	qQ	|	|	|	|
1+45	0.4403	7.12	qQ	|	|	|	|
1+50	0.4614	7.18	qQ	|	|	|	|
1+55	0.4867	7.34	qQ	|	|	|	|
2+ 0	0.5139	7.61	qQ	|	|	|	|
2+ 5	0.5405	8.17	qQ	|	|	|	|
2+10	0.5629	8.52	qQ	|	|	|	|
2+15	0.5743	8.71	qQ	|	|	|	|
2+20	0.5855	8.87	qQ	|	|	|	|
2+25	0.5967	8.98	qQ	|	|	|	|
2+30	0.6077	9.08	qQ	|	|	|	|
2+35	0.6197	9.20	qQ	|	|	|	|
2+40	0.6336	9.40	qQ	|	|	|	|
2+45	0.6484	9.71	qQ	|	|	|	|
2+50	0.6631	10.29	qQ	|	|	|	|
2+55	0.6777	10.66	qQ	|	|	|	|
3+ 0	0.6922	10.86	qQ	|	|	|	|
3+ 5	0.7065	11.03	qQ	|	|	|	|
3+10	0.7207	11.16	qQ	|	|	|	|
3+15	0.7347	11.27	qQ	|	|	|	|
3+20	0.7486	11.38	qQ	|	|	|	|
3+25	0.7623	11.49	qQ	|	|	|	|
3+30	0.7760	11.58	qQ	|	|	|	|

3+35	0.7853	11.65	qQ					
3+40	0.7928	11.72	qQ					
3+45	0.8003	11.77	qQ					
3+50	0.8083	11.87	qQ					
3+55	0.8174	12.05	qQ					
4+ 0	0.8271	12.34	qQ					
4+ 5	0.8368	12.91	qQ					
4+10	0.8464	13.29	q Q					
4+15	0.8559	13.51	q Q					
4+20	0.8660	13.72	q Q					
4+25	0.8772	13.99	q Q					
4+30	0.8890	14.35	q Q					
4+35	0.9007	14.99	q Q					
4+40	0.9123	15.39	q Q					
4+45	0.9239	15.63	q Q					
4+50	0.9360	15.84	q Q					
4+55	0.9464	16.11	q Q					
5+ 0	0.9559	16.46	q Q					
5+ 5	0.9647	17.00	q Q					
5+10	0.9718	17.15	q Q					
5+15	0.9780	16.91	q Q					
5+20	0.9846	16.09	q Q					
5+25	0.9919	15.73	q Q					
5+30	0.9997	15.76	q Q					
5+35	1.0078	16.18	q Q					
5+40	1.0167	16.53	q Q					
5+45	1.0260	16.87	q Q					
5+50	1.0353	17.46	q Q					
5+55	1.0446	17.83	q Q					
6+ 0	1.0538	18.04	q Q					
6+ 5	1.0634	18.24	q Q					
6+10	1.0737	18.50	q Q					
6+15	1.0831	18.86	q Q					
6+20	1.0907	19.48	q Q					
6+25	1.0982	19.87	q Q					
6+30	1.1056	20.10	q Q					
6+35	1.1134	20.32	q Q					
6+40	1.1217	20.58	q Q					
6+45	1.1302	20.92	q Q					
6+50	1.1388	21.53	q Q					
6+55	1.1473	21.93	q Q					
7+ 0	1.1558	22.17	q Q					
7+ 5	1.1643	22.35	q Q					
7+10	1.1728	22.49	q Q					
7+15	1.1812	22.60	q Q					
7+20	1.1900	22.73	q Q					
7+25	1.1992	22.94	q Q					
7+30	1.2067	23.25	q Q					
7+35	1.2142	23.86	q Q					
7+40	1.2221	24.35	q Q					
7+45	1.2302	24.79	q Q					
7+50	1.2386	25.51	q Q					
7+55	1.2476	26.07	q Q					
8+ 0	1.2569	26.58	q Q					
8+ 5	1.2669	27.39	q Q					
8+10	1.2783	28.12	q Q					
8+15	1.2904	28.89	q Q					
8+20	1.3026	30.17	q Q					
8+25	1.3137	30.98	q Q					
8+30	1.3231	31.45	q Q					
8+35	1.3328	31.85	q Q					
8+40	1.3430	32.25	q Q					
8+45	1.3534	32.71	q Q					
8+50	1.3642	33.58	q Q					
8+55	1.3755	34.58	q Q					
9+ 0	1.3871	35.92	q Q					
9+ 5	1.3993	38.83	q Q					
9+10	1.4119	41.65	q Q					
9+15	1.4225	44.82	q Q					
9+20	1.4334	50.45	q Q					
9+25	1.4447	54.55	q Q					
9+30	1.4562	57.73	q Q					
9+35	1.4679	61.86	q Q					
9+40	1.4801	65.18	q Q					
9+45	1.4924	68.11	q Q					
9+50	1.5043	72.09	q Q					
9+55	1.5156	75.29	q	Q				
10+ 0	1.5271	78.12	q	Q				
10+ 5	1.5372	81.54	q	Q				
10+10	1.5449	81.38	q	Q				
10+15	1.5514	76.71	q	Q				
10+20	1.5578	62.96	q Q					
10+25	1.5641	55.20	q Q					
10+30	1.5705	51.88	q Q					
10+35	1.5778	50.67	q Q					
10+40	1.5869	52.21	q Q					
10+45	1.5960	56.75	q Q					
10+50	1.6048	67.86	q Q					
10+55	1.6137	74.77	q	Q				
11+ 0	1.6225	78.37	q	Q				
11+ 5	1.6312	80.88	q	Q				
11+10	1.6395	82.57	q	Q				
11+15	1.6477	83.60	q	Q				
11+20	1.6559	83.13	q	Q				
11+25	1.6641	83.33	q	Q				
11+30	1.6724	83.99	q	Q				
11+35	1.6802	84.35	q	Q				
11+40	1.6859	83.89	q	Q				
11+45	1.6914	82.31	q	Q				
11+50	1.6969	78.46	q	Q				
11+55	1.7028	76.82	q	Q				
12+ 0	1.7087	77.05	q	Q				
12+ 5	1.7156	80.14	q	Q				
12+10	1.7241	85.30	q	Q				
12+15	1.7335	93.56	q	Q				
12+20	1.7432	111.15	q	Q				
12+25	1.7530	126.48	q	Q				
12+30	1.7627	137.15	q	Q				
12+35	1.7717	147.56	q		Q			
12+40	1.7811	156.68	q		Q			
12+45	1.7908	165.32	q		Q			
12+50	1.8006	175.66	q		Q			
12+55	1.8106	183.86	q		Q			
13+ 0	1.8208	190.59	q		Q			
13+ 5	1.8315	198.58	q		Q			
13+10	1.8425	208.76	q		Q			
13+15	1.8520	221.37	q		Q			
13+20	1.8615	239.12	q		Q			
13+25	1.8711	251.40	q		Q			
13+30	1.8806	259.47	q		Q			
13+35	1.8892	263.39	q		Q			
13+40	1.8960	260.09	q		Q			
13+45	1.9018	249.10	q		Q			
13+50	1.9076	223.82	q		Q			

13+55	1.9131	208.27	q	|	|	|	Q	|		19+ 5	1.9772	19.26	q	Q	|	|	|	|
14+ 0	1.9183	200.06	q	|	|	|	Q	|		19+10	1.9769	18.64	q	Q	|	|	|	|
14+ 5	1.9238	194.99	q	|	|	|	Q	|		19+15	1.9765	18.34	q	Q	|	|	|	|
14+10	1.9299	193.53	q	|	|	|	Q	|		19+20	1.9763	18.44	q	Q	|	|	|	|
14+15	1.9363	195.44	q	|	|	|	Q	|		19+25	1.9761	18.50	q	Q	|	|	|	|
14+20	1.9426	202.86	q	|	|	|	Q	|		19+30	1.9760	18.57	q	Q	|	|	|	|
14+25	1.9489	206.64	q	|	|	|	Q	|		19+35	1.9758	18.88	q	Q	|	|	|	|
14+30	1.9550	207.53	q	|	|	|	Q	|		19+40	1.9755	18.87	q	Q	|	|	|	|
14+35	1.9611	206.66	q	|	|	|	Q	|		19+45	1.9752	18.61	q	Q	|	|	|	|
14+40	1.9673	206.49	q	|	|	|	Q	|		19+50	1.9749	17.97	q	Q	|	|	|	|
14+45	1.9734	207.07	q	|	|	|	Q	|		19+55	1.9744	17.41	q	Q	|	|	|	|
14+50	1.9795	207.45	q	|	|	|	Q	|		20+ 0	1.9739	16.87	q	Q	|	|	|	|
14+55	3.5583	208.82	q	|	|	|	Q	|		20+ 5	1.9734	16.13	q	Q	|	|	|	|
15+ 0	5.0608	209.43	q	|	|	|	Q	|		20+10	1.9731	15.71	q	Q	|	|	|	|
15+ 5	6.3403	208.32	q	|	|	|	Q	|		20+15	1.9727	15.58	q	Q	|	|	|	|
15+10	7.4079	207.30	|q	|	|	|	Q	|		20+20	1.9724	15.80	q	Q	|	|	|	|
15+15	8.3125	206.09	|q	|	|	|	Q	|		20+25	1.9721	15.86	q	Q	|	|	|	|
15+20	9.0737	203.58	|q	|	|	|	Q	|		20+30	1.9718	15.79	q	Q	|	|	|	|
15+25	9.6918	201.54	|q	|	|	|	Q	|		20+35	1.9715	15.70	q	Q	|	|	|	|
15+30	10.2069	199.66	|q	|	|	|	Q	|		20+40	1.9712	15.61	q	Q	|	|	|	|
15+35	10.5623	195.82	|q	|	|	|	Q	|		20+45	1.9708	15.53	q	Q	|	|	|	|
15+40	10.6995	190.83	|q	|	|	|	Q	|		20+50	1.9705	15.40	q	Q	|	|	|	|
15+45	10.7309	184.16	|q	|	|	|	Q	|		20+55	1.9700	15.17	q	Q	|	|	|	|
15+50	10.7520	172.89	|q	|	|	|	Q	|		21+ 0	1.9695	14.82	q	Q	|	|	|	|
15+55	10.7716	165.63	|q	|	|	|	Q	|		21+ 5	1.9690	14.23	q	Q	|	|	|	|
16+ 0	10.7899	161.42	|q	|	|	|	Q	|		21+10	1.9687	13.94	q	Q	|	|	|	|
16+ 5	10.4973	155.55	|q	|	|	|	Q	|		21+15	1.9684	13.93	q	Q	|	|	|	|
16+10	9.6560	144.26	|q	|	|	Q	|	|		21+20	1.9680	14.21	q	Q	|	|	|	|
16+15	8.6228	128.52	|q	|	|	Q	|	|		21+25	1.9675	14.22	q	Q	|	|	|	|
16+20	7.7018	100.64	|q	|	| Q	|	|			21+30	1.9670	13.97	q	Q	|	|	|	|
16+25	6.9032	82.30	|q	| Q	|	|	|			21+35	1.9666	13.45	q	Q	|	|	|	|
16+30	6.2110	71.26	q	Q	|	|	|			21+40	1.9662	13.23	q	Q	|	|	|	|
16+35	5.5966	62.65	q	Q	|	|	|			21+45	1.9659	13.28	q	Q	|	|	|	|
16+40	5.0368	55.59	q	Q	|	|	|			21+50	1.9655	13.62	q	Q	|	|	|	|
16+45	4.5375	49.61	q	Q	|	|	|			21+55	1.9651	13.68	q	Q	|	|	|	|
16+50	4.1034	44.30	q	Q	|	|	|			22+ 0	1.9646	13.47	q	Q	|	|	|	|
16+55	3.7271	39.94	q	Q	|	|	|			22+ 5	1.9641	13.00	qQ	|	|	|	|	|
17+ 0	3.4009	36.41	q	Q	|	|	|			22+10	1.9638	12.81	qQ	|	|	|	|	|
17+ 5	3.1466	33.65	q	Q	|	|	|			22+15	1.9634	12.88	qQ	|	|	|	|	|
17+10	2.9804	31.93	q	Q	|	|	|			22+20	1.9631	13.24	q	Q	|	|	|	|
17+15	2.8643	31.22	q	Q	|	|	|			22+25	1.9626	13.31	q	Q	|	|	|	|
17+20	2.7661	31.33	q	Q	|	|	|			22+30	1.9621	13.13	qQ	|	|	|	|	|
17+25	2.6809	31.14	q	Q	|	|	|			22+35	1.9616	12.62	qQ	|	|	|	|	|
17+30	2.6070	30.76	q	Q	|	|	|			22+40	1.9611	12.30	qQ	|	|	|	|	|
17+35	2.5429	30.40	q	Q	|	|	|			22+45	1.9606	12.12	qQ	|	|	|	|	|
17+40	2.4874	30.00	q	Q	|	|	|			22+50	1.9601	11.98	qQ	|	|	|	|	|
17+45	2.4393	29.59	q	Q	|	|	|			22+55	1.9596	11.87	qQ	|	|	|	|	|
17+50	2.3833	29.18	q	Q	|	|	|			23+ 0	1.9591	11.77	qQ	|	|	|	|	|
17+55	2.3076	28.63	q	Q	|	|	|			23+ 5	1.9586	11.68	qQ	|	|	|	|	|
18+ 0	2.2280	27.95	q	Q	|	|	|			23+10	1.9581	11.61	qQ	|	|	|	|	|
18+ 5	2.1578	27.02	q	Q	|	|	|			23+15	1.9576	11.53	qQ	|	|	|	|	|
18+10	2.0970	26.33	q	Q	|	|	|			23+20	1.9571	11.47	qQ	|	|	|	|	|
18+15	2.0443	25.81	q	Q	|	|	|			23+25	1.9566	11.41	qQ	|	|	|	|	|
18+20	1.9985	25.36	q	Q	|	|	|			23+30	1.9561	11.37	qQ	|	|	|	|	|
18+25	1.9799	24.98	q	Q	|	|	|			23+35	1.9556	11.32	qQ	|	|	|	|	|
18+30	1.9798	24.65	q	Q	|	|	|			23+40	1.9551	11.28	qQ	|	|	|	|	|
18+35	1.9796	24.30	q	Q	|	|	|			23+45	1.9546	11.25	qQ	|	|	|	|	|
18+40	1.9794	23.84	q	Q	|	|	|			23+50	1.9541	11.21	qQ	|	|	|	|	|
18+45	1.9790	23.24	q	Q	|	|	|			23+55	1.9536	11.18	qQ	|	|	|	|	|
18+50	1.9787	22.31	q	Q	|	|	|			24+ 0	1.9531	11.15	qQ	|	|	|	|	|
18+55	1.9782	21.36	q	Q	|	|	|			24+ 5	1.9525	11.02	qQ	|	|	|	|	|
19+ 0	1.9777	20.38	q	Q	|	|	|			24+10	1.9517	10.70	qQ	|	|	|	|	|

24+15	1.9508	10.13	qQ					29+25	0.0000	2.61	Q				
24+20	1.9499	8.99	qQ					29+30	0.0000	2.60	Q				
24+25	1.9490	8.26	qQ					29+35	0.0000	2.60	Q				
24+30	1.9481	7.84	qQ					29+40	0.0000	2.60	Q				
24+35	1.9473	7.51	qQ					29+45	0.0000	2.60	Q				
24+40	1.9464	7.34	qQ					29+50	0.0000	2.59	Q				
24+45	1.9455	7.20	qQ					29+55	0.0000	2.59	Q				
24+50	1.9446	7.09	qQ					30+ 0	0.0000	2.59	Q				
24+55	1.9437	7.00	qQ					30+ 5	0.0000	2.59	Q				
25+ 0	1.9428	6.93	qQ					30+10	0.0000	2.59	Q				
25+ 5	0.0000	2.84	Q					30+15	0.0000	2.58	Q				
25+10	0.0000	2.80	Q					30+20	0.0000	2.58	Q				
25+15	0.0000	2.78	Q					30+25	0.0000	2.58	Q				
25+20	0.0000	2.76	Q					30+30	0.0000	2.58	Q				
25+25	0.0000	2.75	Q					30+35	0.0000	2.58	Q				
25+30	0.0000	2.74	Q					30+40	0.0000	2.57	Q				
25+35	0.0000	2.73	Q					30+45	0.0000	2.57	Q				
25+40	0.0000	2.72	Q					30+50	0.0000	2.57	Q				
25+45	0.0000	2.71	Q					30+55	0.0000	2.57	Q				
25+50	0.0000	2.70	Q					31+ 0	0.0000	2.56	Q				
25+55	0.0000	2.70	Q					31+ 5	0.0000	2.56	Q				
26+ 0	0.0000	2.69	Q					31+10	0.0000	2.56	Q				
26+ 5	0.0000	2.69	Q					31+15	0.0000	2.56	Q				
26+10	0.0000	2.69	Q					31+20	0.0000	2.56	Q				
26+15	0.0000	2.69	Q					31+25	0.0000	2.55	Q				
26+20	0.0000	2.68	Q					31+30	0.0000	2.55	Q				
26+25	0.0000	2.68	Q					31+35	0.0000	2.55	Q				
26+30	0.0000	2.68	Q					31+40	0.0000	2.55	Q				
26+35	0.0000	2.68	Q					31+45	0.0000	2.55	Q				
26+40	0.0000	2.67	Q					31+50	0.0000	2.54	Q				
26+45	0.0000	2.67	Q					31+55	0.0000	2.54	Q				
26+50	0.0000	2.67	Q					32+ 0	0.0000	2.54	Q				
26+55	0.0000	2.67	Q					32+ 5	0.0000	2.54	Q				
27+ 0	0.0000	2.67	Q					32+10	0.0000	2.54	Q				
27+ 5	0.0000	2.66	Q					32+15	0.0000	2.53	Q				
27+10	0.0000	2.66	Q					32+20	0.0000	2.53	Q				
27+15	0.0000	2.66	Q					32+25	0.0000	2.53	Q				
27+20	0.0000	2.66	Q					32+30	0.0000	2.53	Q				
27+25	0.0000	2.66	Q					32+35	0.0000	2.52	Q				
27+30	0.0000	2.65	Q					32+40	0.0000	2.52	Q				
27+35	0.0000	2.65	Q					32+45	0.0000	2.52	Q				
27+40	0.0000	2.65	Q					32+50	0.0000	2.52	Q				
27+45	0.0000	2.65	Q					32+55	0.0000	2.52	Q				
27+50	0.0000	2.65	Q					33+ 0	0.0000	2.51	Q				
27+55	0.0000	2.64	Q					33+ 5	0.0000	2.51	Q				
28+ 0	0.0000	2.64	Q					33+10	0.0000	2.51	Q				
28+ 5	0.0000	2.64	Q					33+15	0.0000	2.51	Q				
28+10	0.0000	2.64	Q					33+20	0.0000	2.51	Q				
28+15	0.0000	2.64	Q					33+25	0.0000	2.50	Q				
28+20	0.0000	2.63	Q					33+30	0.0000	2.50	Q				
28+25	0.0000	2.63	Q					33+35	0.0000	2.50	Q				
28+30	0.0000	2.63	Q					33+40	0.0000	2.49	Q				
28+35	0.0000	2.63	Q					33+45	0.0000	2.49	Q				
28+40	0.0000	2.62	Q					33+50	0.0000	2.49	Q				
28+45	0.0000	2.62	Q					33+55	0.0000	2.49	Q				
28+50	0.0000	2.62	Q					34+ 0	0.0000	2.48	Q				
28+55	0.0000	2.62	Q					34+ 5	0.0000	2.48	Q				
29+ 0	0.0000	2.62	Q					34+10	0.0000	2.48	Q				
29+ 5	0.0000	2.61	Q					34+15	0.0000	2.48	Q				
29+10	0.0000	2.61	Q					34+20	0.0000	2.47	Q				
29+15	0.0000	2.61	Q					34+25	0.0000	2.47	Q				
29+20	0.0000	2.61	Q					34+30	0.0000	2.47	Q				

34+35	0.0000	2.47	Q					39+45	0.0000	2.31	Q				
34+40	0.0000	2.46	Q					39+50	0.0000	2.30	Q				
34+45	0.0000	2.46	Q					39+55	0.0000	2.30	Q				
34+50	0.0000	2.46	Q					40+ 0	0.0000	2.30	Q				
34+55	0.0000	2.46	Q					40+ 5	0.0000	2.30	Q				
35+ 0	0.0000	2.45	Q					40+10	0.0000	2.29	Q				
35+ 5	0.0000	2.45	Q					40+15	0.0000	2.29	Q				
35+10	0.0000	2.45	Q					40+20	0.0000	2.29	Q				
35+15	0.0000	2.45	Q					40+25	0.0000	2.28	Q				
35+20	0.0000	2.44	Q					40+30	0.0000	2.28	Q				
35+25	0.0000	2.44	Q					40+35	0.0000	2.28	Q				
35+30	0.0000	2.44	Q					40+40	0.0000	2.28	Q				
35+35	0.0000	2.44	Q					40+45	0.0000	2.27	Q				
35+40	0.0000	2.43	Q					40+50	0.0000	2.27	Q				
35+45	0.0000	2.43	Q					40+55	0.0000	2.27	Q				
35+50	0.0000	2.43	Q					41+ 0	0.0000	2.26	Q				
35+55	0.0000	2.43	Q					41+ 5	0.0000	2.26	Q				
36+ 0	0.0000	2.42	Q					41+10	0.0000	2.26	Q				
36+ 5	0.0000	2.42	Q					41+15	0.0000	2.26	Q				
36+10	0.0000	2.42	Q					41+20	0.0000	2.25	Q				
36+15	0.0000	2.42	Q					41+25	0.0000	2.25	Q				
36+20	0.0000	2.41	Q					41+30	0.0000	2.25	Q				
36+25	0.0000	2.41	Q					41+35	0.0000	2.25	Q				
36+30	0.0000	2.41	Q					41+40	0.0000	2.24	Q				
36+35	0.0000	2.41	Q					41+45	0.0000	2.24	Q				
36+40	0.0000	2.40	Q					41+50	0.0000	2.24	Q				
36+45	0.0000	2.40	Q					41+55	0.0000	2.23	Q				
36+50	0.0000	2.40	Q					42+ 0	0.0000	2.23	Q				
36+55	0.0000	2.40	Q					42+ 5	0.0000	2.23	Q				
37+ 0	0.0000	2.39	Q					42+10	0.0000	2.23	Q				
37+ 5	0.0000	2.39	Q					42+15	0.0000	2.22	Q				
37+10	0.0000	2.39	Q					42+20	0.0000	2.22	Q				
37+15	0.0000	2.39	Q					42+25	0.0000	2.22	Q				
37+20	0.0000	2.38	Q					42+30	0.0000	2.22	Q				
37+25	0.0000	2.38	Q					42+35	0.0000	2.21	Q				
37+30	0.0000	2.38	Q					42+40	0.0000	2.21	Q				
37+35	0.0000	2.38	Q					42+45	0.0000	2.21	Q				
37+40	0.0000	2.37	Q					42+50	0.0000	2.20	Q				
37+45	0.0000	2.37	Q					42+55	0.0000	2.20	Q				
37+50	0.0000	2.37	Q					43+ 0	0.0000	2.20	Q				
37+55	0.0000	2.37	Q					43+ 5	0.0000	2.20	Q				
38+ 0	0.0000	2.37	Q					43+10	0.0000	2.19	Q				
38+ 5	0.0000	2.36	Q					43+15	0.0000	2.19	Q				
38+10	0.0000	2.36	Q					43+20	0.0000	2.19	Q				
38+15	0.0000	2.36	Q					43+25	0.0000	2.18	Q				
38+20	0.0000	2.35	Q					43+30	0.0000	2.18	Q				
38+25	0.0000	2.35	Q					43+35	0.0000	2.18	Q				
38+30	0.0000	2.35	Q					43+40	0.0000	2.18	Q				
38+35	0.0000	2.35	Q					43+45	0.0000	2.17	Q				
38+40	0.0000	2.34	Q					43+50	0.0000	2.17	Q				
38+45	0.0000	2.34	Q					43+55	0.0000	2.17	Q				
38+50	0.0000	2.34	Q					44+ 0	0.0000	2.16	Q				
38+55	0.0000	2.33	Q					44+ 5	0.0000	2.16	Q				
39+ 0	0.0000	2.33	Q					44+10	0.0000	2.16	Q				
39+ 5	0.0000	2.33	Q					44+15	0.0000	2.16	Q				
39+10	0.0000	2.33	Q					44+20	0.0000	2.15	Q				
39+15	0.0000	2.32	Q					44+25	0.0000	2.15	Q				
39+20	0.0000	2.32	Q					44+30	0.0000	2.15	Q				
39+25	0.0000	2.32	Q					44+35	0.0000	2.14	Q				
39+30	0.0000	2.31	Q					44+40	0.0000	2.14	Q				
39+35	0.0000	2.31	Q					44+45	0.0000	2.14	Q				
39+40	0.0000	2.31	Q					44+50	0.0000	2.14	Q				

44+55	0.0000	2.13	Q	|	|	|	|	50+ 5	0.0000	1.94	Q	|	|	|	|
45+ 0	0.0000	2.13	Q	|	|	|	|	50+10	0.0000	1.94	Q	|	|	|	|
45+ 5	0.0000	2.13	Q	|	|	|	|	50+15	0.0000	1.93	Q	|	|	|	|
45+10	0.0000	2.12	Q	|	|	|	|	50+20	0.0000	1.93	Q	|	|	|	|
45+15	0.0000	2.12	Q	|	|	|	|	50+25	0.0000	1.93	Q	|	|	|	|
45+20	0.0000	2.12	Q	|	|	|	|	50+30	0.0000	1.92	Q	|	|	|	|
45+25	0.0000	2.12	Q	|	|	|	|	50+35	0.0000	1.92	Q	|	|	|	|
45+30	0.0000	2.11	Q	|	|	|	|	50+40	0.0000	1.92	Q	|	|	|	|
45+35	0.0000	2.11	Q	|	|	|	|	50+45	0.0000	1.91	Q	|	|	|	|
45+40	0.0000	2.11	Q	|	|	|	|	50+50	0.0000	1.91	Q	|	|	|	|
45+45	0.0000	2.10	Q	|	|	|	|	50+55	0.0000	1.91	Q	|	|	|	|
45+50	0.0000	2.10	Q	|	|	|	|	51+ 0	0.0000	1.90	Q	|	|	|	|
45+55	0.0000	2.10	Q	|	|	|	|	51+ 5	0.0000	1.90	Q	|	|	|	|
46+ 0	0.0000	2.10	Q	|	|	|	|	51+10	0.0000	1.90	Q	|	|	|	|
46+ 5	0.0000	2.09	Q	|	|	|	|	51+15	0.0000	1.89	Q	|	|	|	|
46+10	0.0000	2.09	Q	|	|	|	|	51+20	0.0000	1.89	Q	|	|	|	|
46+15	0.0000	2.09	Q	|	|	|	|	51+25	0.0000	1.89	Q	|	|	|	|
46+20	0.0000	2.08	Q	|	|	|	|	51+30	0.0000	1.88	Q	|	|	|	|
46+25	0.0000	2.08	Q	|	|	|	|	51+35	0.0000	1.88	Q	|	|	|	|
46+30	0.0000	2.08	Q	|	|	|	|	51+40	0.0000	1.88	Q	|	|	|	|
46+35	0.0000	2.08	Q	|	|	|	|	51+45	0.0000	1.87	Q	|	|	|	|
46+40	0.0000	2.07	Q	|	|	|	|	51+50	0.0000	1.87	Q	|	|	|	|
46+45	0.0000	2.07	Q	|	|	|	|	51+55	0.0000	1.87	Q	|	|	|	|
46+50	0.0000	2.07	Q	|	|	|	|	52+ 0	0.0000	1.86	Q	|	|	|	|
46+55	0.0000	2.07	Q	|	|	|	|	52+ 5	0.0000	1.86	Q	|	|	|	|
47+ 0	0.0000	2.06	Q	|	|	|	|	52+10	0.0000	1.86	Q	|	|	|	|
47+ 5	0.0000	2.06	Q	|	|	|	|	52+15	0.0000	1.85	Q	|	|	|	|
47+10	0.0000	2.06	Q	|	|	|	|	52+20	0.0000	1.85	Q	|	|	|	|
47+15	0.0000	2.05	Q	|	|	|	|	52+25	0.0000	1.85	Q	|	|	|	|
47+20	0.0000	2.05	Q	|	|	|	|	52+30	0.0000	1.84	Q	|	|	|	|
47+25	0.0000	2.05	Q	|	|	|	|	52+35	0.0000	1.84	Q	|	|	|	|
47+30	0.0000	2.05	Q	|	|	|	|	52+40	0.0000	1.83	Q	|	|	|	|
47+35	0.0000	2.04	Q	|	|	|	|	52+45	0.0000	1.83	Q	|	|	|	|
47+40	0.0000	2.04	Q	|	|	|	|	52+50	0.0000	1.83	Q	|	|	|	|
47+45	0.0000	2.04	Q	|	|	|	|	52+55	0.0000	1.82	Q	|	|	|	|
47+50	0.0000	2.03	Q	|	|	|	|	53+ 0	0.0000	1.82	Q	|	|	|	|
47+55	0.0000	2.03	Q	|	|	|	|	53+ 5	0.0000	1.82	Q	|	|	|	|
48+ 0	0.0000	2.03	Q	|	|	|	|	53+10	0.0000	1.81	Q	|	|	|	|
48+ 5	0.0000	2.02	Q	|	|	|	|	53+15	0.0000	1.81	Q	|	|	|	|
48+10	0.0000	2.02	Q	|	|	|	|	53+20	0.0000	1.80	Q	|	|	|	|
48+15	0.0000	2.02	Q	|	|	|	|	53+25	0.0000	1.80	Q	|	|	|	|
48+20	0.0000	2.01	Q	|	|	|	|	53+30	0.0000	1.80	Q	|	|	|	|
48+25	0.0000	2.01	Q	|	|	|	|	53+35	0.0000	1.79	Q	|	|	|	|
48+30	0.0000	2.01	Q	|	|	|	|	53+40	0.0000	1.79	Q	|	|	|	|
48+35	0.0000	2.00	Q	|	|	|	|	53+45	0.0000	1.79	Q	|	|	|	|
48+40	0.0000	2.00	Q	|	|	|	|	53+50	0.0000	1.78	Q	|	|	|	|
48+45	0.0000	1.99	Q	|	|	|	|	53+55	0.0000	1.78	Q	|	|	|	|
48+50	0.0000	1.99	Q	|	|	|	|	54+ 0	0.0000	1.78	Q	|	|	|	|
48+55	0.0000	1.99	Q	|	|	|	|	54+ 5	0.0000	1.77	Q	|	|	|	|
49+ 0	0.0000	1.98	Q	|	|	|	|	54+10	0.0000	1.77	Q	|	|	|	|
49+ 5	0.0000	1.98	Q	|	|	|	|	54+15	0.0000	1.76	Q	|	|	|	|
49+10	0.0000	1.98	Q	|	|	|	|	54+20	0.0000	1.76	Q	|	|	|	|
49+15	0.0000	1.97	Q	|	|	|	|	54+25	0.0000	1.76	Q	|	|	|	|
49+20	0.0000	1.97	Q	|	|	|	|	54+30	0.0000	1.75	Q	|	|	|	|
49+25	0.0000	1.97	Q	|	|	|	|	54+35	0.0000	1.75	Q	|	|	|	|
49+30	0.0000	1.96	Q	|	|	|	|	54+40	0.0000	1.75	Q	|	|	|	|
49+35	0.0000	1.96	Q	|	|	|	|	54+45	0.0000	1.74	Q	|	|	|	|
49+40	0.0000	1.96	Q	|	|	|	|	54+50	0.0000	1.74	Q	|	|	|	|
49+45	0.0000	1.95	Q	|	|	|	|	54+55	0.0000	1.74	Q	|	|	|	|
49+50	0.0000	1.95	Q	|	|	|	|	55+ 0	0.0000	1.73	Q	|	|	|	|
49+55	0.0000	1.95	Q	|	|	|	|	55+ 5	0.0000	1.73	Q	|	|	|	|
50+ 0	0.0000	1.94	Q	|	|	|	|	55+10	0.0000	1.72	Q	|	|	|	|

55+15	0.0000	1.72	Q					60+25	0.0000	1.47	Q				
55+20	0.0000	1.72	Q					60+30	0.0000	1.47	Q				
55+25	0.0000	1.71	Q					60+35	0.0000	1.46	Q				
55+30	0.0000	1.71	Q					60+40	0.0000	1.46	Q				
55+35	0.0000	1.71	Q					60+45	0.0000	1.45	Q				
55+40	0.0000	1.70	Q					60+50	0.0000	1.45	Q				
55+45	0.0000	1.70	Q					60+55	0.0000	1.45	Q				
55+50	0.0000	1.70	Q					61+ 0	0.0000	1.44	Q				
55+55	0.0000	1.69	Q					61+ 5	0.0000	1.44	Q				
56+ 0	0.0000	1.69	Q					61+10	0.0000	1.43	Q				
56+ 5	0.0000	1.69	Q					61+15	0.0000	1.43	Q				
56+10	0.0000	1.68	Q					61+20	0.0000	1.43	Q				
56+15	0.0000	1.68	Q					61+25	0.0000	1.42	Q				
56+20	0.0000	1.68	Q					61+30	0.0000	1.42	Q				
56+25	0.0000	1.67	Q					61+35	0.0000	1.41	Q				
56+30	0.0000	1.67	Q					61+40	0.0000	1.41	Q				
56+35	0.0000	1.67	Q					61+45	0.0000	1.41	Q				
56+40	0.0000	1.66	Q					61+50	0.0000	1.40	Q				
56+45	0.0000	1.66	Q					61+55	0.0000	1.39	Q				
56+50	0.0000	1.66	Q					62+ 0	0.0000	1.39	Q				
56+55	0.0000	1.65	Q					62+ 5	0.0000	1.38	Q				
57+ 0	0.0000	1.65	Q					62+10	0.0000	1.38	Q				
57+ 5	0.0000	1.64	Q					62+15	0.0000	1.37	Q				
57+10	0.0000	1.64	Q					62+20	0.0000	1.37	Q				
57+15	0.0000	1.63	Q					62+25	0.0000	1.36	Q				
57+20	0.0000	1.63	Q					62+30	0.0000	1.36	Q				
57+25	0.0000	1.63	Q					62+35	0.0000	1.35	Q				
57+30	0.0000	1.62	Q					62+40	0.0000	1.35	Q				
57+35	0.0000	1.62	Q					62+45	0.0000	1.34	Q				
57+40	0.0000	1.61	Q					62+50	0.0000	1.34	Q				
57+45	0.0000	1.61	Q					62+55	0.0000	1.33	Q				
57+50	0.0000	1.60	Q					63+ 0	0.0000	1.33	Q				
57+55	0.0000	1.60	Q					63+ 5	0.0000	1.32	Q				
58+ 0	0.0000	1.59	Q					63+10	0.0000	1.32	Q				
58+ 5	0.0000	1.59	Q					63+15	0.0000	1.31	Q				
58+10	0.0000	1.59	Q					63+20	0.0000	1.31	Q				
58+15	0.0000	1.58	Q					63+25	0.0000	1.30	Q				
58+20	0.0000	1.58	Q					63+30	0.0000	1.30	Q				
58+25	0.0000	1.57	Q					63+35	0.0000	1.29	Q				
58+30	0.0000	1.57	Q					63+40	0.0000	1.29	Q				
58+35	0.0000	1.56	Q					63+45	0.0000	1.28	Q				
58+40	0.0000	1.56	Q					63+50	0.0000	1.28	Q				
58+45	0.0000	1.55	Q					63+55	0.0000	1.27	Q				
58+50	0.0000	1.55	Q					64+ 0	0.0000	1.27	Q				
58+55	0.0000	1.55	Q					64+ 5	0.0000	1.26	Q				
59+ 0	0.0000	1.54	Q					64+10	0.0000	1.26	Q				
59+ 5	0.0000	1.54	Q					64+15	0.0000	1.25	Q				
59+10	0.0000	1.53	Q					64+20	0.0000	1.25	Q				
59+15	0.0000	1.53	Q					64+25	0.0000	1.24	Q				
59+20	0.0000	1.52	Q					64+30	0.0000	1.24	Q				
59+25	0.0000	1.52	Q					64+35	0.0000	1.23	Q				
59+30	0.0000	1.52	Q					64+40	0.0000	1.23	Q				
59+35	0.0000	1.51	Q					64+45	0.0000	1.22	Q				
59+40	0.0000	1.51	Q					64+50	0.0000	1.22	Q				
59+45	0.0000	1.50	Q					64+55	0.0000	1.22	Q				
59+50	0.0000	1.50	Q					65+ 0	0.0000	1.21	Q				
59+55	0.0000	1.50	Q					65+ 5	0.0000	1.21	Q				
60+ 0	0.0000	1.49	Q					65+10	0.0000	1.20	Q				
60+ 5	0.0000	1.49	Q					65+15	0.0000	1.20	Q				
60+10	0.0000	1.48	Q					65+20	0.0000	1.19	Q				
60+15	0.0000	1.48	Q					65+25	0.0000	1.19	Q				
60+20	0.0000	1.47	Q					65+30	0.0000	1.18	Q				

65+35	0.0000	1.18	Q					70+45	0.0000	0.75	Q				
65+40	0.0000	1.17	Q					70+50	0.0000	0.74	Q				
65+45	0.0000	1.17	Q					70+55	0.0000	0.74	Q				
65+50	0.0000	1.17	Q					71+ 0	0.0000	0.73	Q				
65+55	0.0000	1.16	Q					71+ 5	0.0000	0.73	Q				
66+ 0	0.0000	1.16	Q					71+10	0.0000	0.72	Q				
66+ 5	0.0000	1.15	Q					71+15	0.0000	0.71	Q				
66+10	0.0000	1.15	Q					71+20	0.0000	0.71	Q				
66+15	0.0000	1.14	Q					71+25	0.0000	0.70	Q				
66+20	0.0000	1.14	Q					71+30	0.0000	0.70	Q				
66+25	0.0000	1.13	Q					71+35	0.0000	0.69	Q				
66+30	0.0000	1.13	Q					71+40	0.0000	0.69	Q				
66+35	0.0000	1.13	Q					71+45	0.0000	0.68	Q				
66+40	0.0000	1.12	Q					71+50	0.0000	0.67	Q				
66+45	0.0000	1.11	Q					71+55	0.0000	0.67	Q				
66+50	0.0000	1.11	Q					72+ 0	0.0000	0.66	Q				
66+55	0.0000	1.10	Q					72+ 5	0.0000	0.66	Q				
67+ 0	0.0000	1.09	Q					72+10	0.0000	0.65	Q				
67+ 5	0.0000	1.08	Q					72+15	0.0000	0.65	Q				
67+10	0.0000	1.07	Q					72+20	0.0000	0.64	Q				
67+15	0.0000	1.06	Q					72+25	0.0000	0.64	Q				
67+20	0.0000	1.05	Q					72+30	0.0000	0.63	Q				
67+25	0.0000	1.04	Q					72+35	0.0000	0.63	Q				
67+30	0.0000	1.03	Q					72+40	0.0000	0.62	Q				
67+35	0.0000	1.03	Q					72+45	0.0000	0.62	Q				
67+40	0.0000	1.02	Q					72+50	0.0000	0.61	Q				
67+45	0.0000	1.01	Q					72+55	0.0000	0.61	Q				
67+50	0.0000	1.00	Q					73+ 0	0.0000	0.60	Q				
67+55	0.0000	0.99	Q					73+ 5	0.0000	0.60	Q				
68+ 0	0.0000	0.98	Q					73+10	0.0000	0.59	Q				
68+ 5	0.0000	0.98	Q					73+15	0.0000	0.59	Q				
68+10	0.0000	0.97	Q					73+20	0.0000	0.58	Q				
68+15	0.0000	0.96	Q					73+25	0.0000	0.58	Q				
68+20	0.0000	0.95	Q					73+30	0.0000	0.58	Q				
68+25	0.0000	0.95	Q					73+35	0.0000	0.58	Q				
68+30	0.0000	0.94	Q					73+40	0.0000	0.57	Q				
68+35	0.0000	0.93	Q					73+45	0.0000	0.57	Q				
68+40	0.0000	0.92	Q					73+50	0.0000	0.57	Q				
68+45	0.0000	0.91	Q					73+55	0.0000	0.57	Q				
68+50	0.0000	0.91	Q					74+ 0	0.0000	0.57	Q				
68+55	0.0000	0.90	Q					74+ 5	0.0000	0.56	Q				
69+ 0	0.0000	0.89	Q					74+10	0.0000	0.56	Q				
69+ 5	0.0000	0.88	Q					74+15	0.0000	0.56	Q				
69+10	0.0000	0.88	Q					74+20	0.0000	0.56	Q				
69+15	0.0000	0.87	Q					74+25	0.0000	0.56	Q				
69+20	0.0000	0.86	Q					74+30	0.0000	0.55	Q				
69+25	0.0000	0.86	Q					74+35	0.0000	0.55	Q				
69+30	0.0000	0.85	Q					74+40	0.0000	0.55	Q				
69+35	0.0000	0.84	Q					74+45	0.0000	0.55	Q				
69+40	0.0000	0.84	Q					74+50	0.0000	0.55	Q				
69+45	0.0000	0.83	Q					74+55	0.0000	0.55	Q				
69+50	0.0000	0.82	Q					75+ 0	0.0000	0.54	Q				
69+55	0.0000	0.82	Q					75+ 5	0.0000	0.54	Q				
70+ 0	0.0000	0.81	Q					75+10	0.0000	0.54	Q				
70+ 5	0.0000	0.80	Q					75+15	0.0000	0.54	Q				
70+10	0.0000	0.80	Q					75+20	0.0000	0.54	Q				
70+15	0.0000	0.79	Q					75+25	0.0000	0.54	Q				
70+20	0.0000	0.78	Q					75+30	0.0000	0.53	Q				
70+25	0.0000	0.78	Q					75+35	0.0000	0.53	Q				
70+30	0.0000	0.77	Q					75+40	0.0000	0.53	Q				
70+35	0.0000	0.76	Q					75+45	0.0000	0.53	Q				
70+40	0.0000	0.76	Q					75+50	0.0000	0.53	Q				

75+55	0.0000	0.53	Q	|	|	|	|	81+ 5	0.0000	0.43	Q	|	|	|	|
76+ 0	0.0000	0.52	Q	|	|	|	|	81+10	0.0000	0.43	Q	|	|	|	|
76+ 5	0.0000	0.52	Q	|	|	|	|	81+15	0.0000	0.43	Q	|	|	|	|
76+10	0.0000	0.52	Q	|	|	|	|	81+20	0.0000	0.43	Q	|	|	|	|
76+15	0.0000	0.52	Q	|	|	|	|	81+25	0.0000	0.42	Q	|	|	|	|
76+20	0.0000	0.52	Q	|	|	|	|	81+30	0.0000	0.42	Q	|	|	|	|
76+25	0.0000	0.52	Q	|	|	|	|	81+35	0.0000	0.42	Q	|	|	|	|
76+30	0.0000	0.51	Q	|	|	|	|	81+40	0.0000	0.42	Q	|	|	|	|
76+35	0.0000	0.51	Q	|	|	|	|	81+45	0.0000	0.42	Q	|	|	|	|
76+40	0.0000	0.51	Q	|	|	|	|	81+50	0.0000	0.42	Q	|	|	|	|
76+45	0.0000	0.51	Q	|	|	|	|	81+55	0.0000	0.42	Q	|	|	|	|
76+50	0.0000	0.51	Q	|	|	|	|	82+ 0	0.0000	0.42	Q	|	|	|	|
76+55	0.0000	0.51	Q	|	|	|	|	82+ 5	0.0000	0.41	Q	|	|	|	|
77+ 0	0.0000	0.50	Q	|	|	|	|	82+10	0.0000	0.41	Q	|	|	|	|
77+ 5	0.0000	0.50	Q	|	|	|	|	82+15	0.0000	0.41	Q	|	|	|	|
77+10	0.0000	0.50	Q	|	|	|	|	82+20	0.0000	0.41	Q	|	|	|	|
77+15	0.0000	0.50	Q	|	|	|	|	82+25	0.0000	0.41	Q	|	|	|	|
77+20	0.0000	0.50	Q	|	|	|	|	82+30	0.0000	0.41	Q	|	|	|	|
77+25	0.0000	0.50	Q	|	|	|	|	82+35	0.0000	0.41	Q	|	|	|	|
77+30	0.0000	0.49	Q	|	|	|	|	82+40	0.0000	0.40	Q	|	|	|	|
77+35	0.0000	0.49	Q	|	|	|	|	82+45	0.0000	0.40	Q	|	|	|	|
77+40	0.0000	0.49	Q	|	|	|	|	82+50	0.0000	0.40	Q	|	|	|	|
77+45	0.0000	0.49	Q	|	|	|	|	82+55	0.0000	0.40	Q	|	|	|	|
77+50	0.0000	0.49	Q	|	|	|	|	83+ 0	0.0000	0.40	Q	|	|	|	|
77+55	0.0000	0.49	Q	|	|	|	|	83+ 5	0.0000	0.39	Q	|	|	|	|
78+ 0	0.0000	0.48	Q	|	|	|	|	83+10	0.0000	0.39	Q	|	|	|	|
78+ 5	0.0000	0.48	Q	|	|	|	|	83+15	0.0000	0.39	Q	|	|	|	|
78+10	0.0000	0.48	Q	|	|	|	|	83+20	0.0000	0.38	Q	|	|	|	|
78+15	0.0000	0.48	Q	|	|	|	|	83+25	0.0000	0.38	Q	|	|	|	|
78+20	0.0000	0.48	Q	|	|	|	|	83+30	0.0000	0.38	Q	|	|	|	|
78+25	0.0000	0.48	Q	|	|	|	|	83+35	0.0000	0.37	Q	|	|	|	|
78+30	0.0000	0.48	Q	|	|	|	|	83+40	0.0000	0.37	Q	|	|	|	|
78+35	0.0000	0.47	Q	|	|	|	|	83+45	0.0000	0.37	Q	|	|	|	|
78+40	0.0000	0.47	Q	|	|	|	|	83+50	0.0000	0.37	Q	|	|	|	|
78+45	0.0000	0.47	Q	|	|	|	|	83+55	0.0000	0.36	Q	|	|	|	|
78+50	0.0000	0.47	Q	|	|	|	|	84+ 0	0.0000	0.36	Q	|	|	|	|
78+55	0.0000	0.47	Q	|	|	|	|	84+ 5	0.0000	0.36	Q	|	|	|	|
79+ 0	0.0000	0.47	Q	|	|	|	|	84+10	0.0000	0.35	Q	|	|	|	|
79+ 5	0.0000	0.46	Q	|	|	|	|	84+15	0.0000	0.35	Q	|	|	|	|
79+10	0.0000	0.46	Q	|	|	|	|	84+20	0.0000	0.35	Q	|	|	|	|
79+15	0.0000	0.46	Q	|	|	|	|	84+25	0.0000	0.34	Q	|	|	|	|
79+20	0.0000	0.46	Q	|	|	|	|	84+30	0.0000	0.34	Q	|	|	|	|
79+25	0.0000	0.46	Q	|	|	|	|	84+35	0.0000	0.34	Q	|	|	|	|
79+30	0.0000	0.46	Q	|	|	|	|	84+40	0.0000	0.33	Q	|	|	|	|
79+35	0.0000	0.46	Q	|	|	|	|	84+45	0.0000	0.33	Q	|	|	|	|
79+40	0.0000	0.45	Q	|	|	|	|	84+50	0.0000	0.33	Q	|	|	|	|
79+45	0.0000	0.45	Q	|	|	|	|	84+55	0.0000	0.33	Q	|	|	|	|
79+50	0.0000	0.45	Q	|	|	|	|	85+ 0	0.0000	0.32	Q	|	|	|	|
79+55	0.0000	0.45	Q	|	|	|	|	85+ 5	0.0000	0.32	Q	|	|	|	|
80+ 0	0.0000	0.45	Q	|	|	|	|	85+10	0.0000	0.32	Q	|	|	|	|
80+ 5	0.0000	0.45	Q	|	|	|	|	85+15	0.0000	0.32	Q	|	|	|	|
80+10	0.0000	0.45	Q	|	|	|	|	85+20	0.0000	0.31	Q	|	|	|	|
80+15	0.0000	0.44	Q	|	|	|	|	85+25	0.0000	0.31	Q	|	|	|	|
80+20	0.0000	0.44	Q	|	|	|	|	85+30	0.0000	0.31	Q	|	|	|	|
80+25	0.0000	0.44	Q	|	|	|	|	85+35	0.0000	0.30	Q	|	|	|	|
80+30	0.0000	0.44	Q	|	|	|	|	85+40	0.0000	0.30	Q	|	|	|	|
80+35	0.0000	0.44	Q	|	|	|	|	85+45	0.0000	0.30	Q	|	|	|	|
80+40	0.0000	0.44	Q	|	|	|	|	85+50	0.0000	0.30	Q	|	|	|	|
80+45	0.0000	0.44	Q	|	|	|	|	85+55	0.0000	0.29	Q	|	|	|	|
80+50	0.0000	0.43	Q	|	|	|	|	86+ 0	0.0000	0.29	Q	|	|	|	|
80+55	0.0000	0.43	Q	|	|	|	|	86+ 5	0.0000	0.29	Q	|	|	|	|
81+ 0	0.0000	0.43	Q	|	|	|	|	86+10	0.0000	0.29	Q	|	|	|	|

86+15	0.0000	0.28	Q					91+25	0.0000	0.17	Q				
86+20	0.0000	0.28	Q					91+30	0.0000	0.16	Q				
86+25	0.0000	0.28	Q					91+35	0.0000	0.16	Q				
86+30	0.0000	0.28	Q					91+40	0.0000	0.16	Q				
86+35	0.0000	0.27	Q					91+45	0.0000	0.16	Q				
86+40	0.0000	0.27	Q					91+50	0.0000	0.16	Q				
86+45	0.0000	0.27	Q					91+55	0.0000	0.16	Q				
86+50	0.0000	0.27	Q					92+ 0	0.0000	0.16	Q				
86+55	0.0000	0.27	Q					92+ 5	0.0000	0.16	Q				
87+ 0	0.0000	0.26	Q					92+10	0.0000	0.15	Q				
87+ 5	0.0000	0.26	Q					92+15	0.0000	0.15	Q				
87+10	0.0000	0.26	Q					92+20	0.0000	0.15	Q				
87+15	0.0000	0.26	Q					92+25	0.0000	0.15	Q				
87+20	0.0000	0.25	Q					92+30	0.0000	0.15	Q				
87+25	0.0000	0.25	Q					92+35	0.0000	0.15	Q				
87+30	0.0000	0.25	Q					92+40	0.0000	0.15	Q				
87+35	0.0000	0.25	Q					92+45	0.0000	0.14	Q				
87+40	0.0000	0.25	Q					92+50	0.0000	0.14	Q				
87+45	0.0000	0.24	Q					92+55	0.0000	0.14	Q				
87+50	0.0000	0.24	Q					93+ 0	0.0000	0.14	Q				
87+55	0.0000	0.24	Q					93+ 5	0.0000	0.14	Q				
88+ 0	0.0000	0.24	Q					93+10	0.0000	0.14	Q				
88+ 5	0.0000	0.24	Q					93+15	0.0000	0.14	Q				
88+10	0.0000	0.23	Q					93+20	0.0000	0.14	Q				
88+15	0.0000	0.23	Q					93+25	0.0000	0.14	Q				
88+20	0.0000	0.23	Q					93+30	0.0000	0.13	Q				
88+25	0.0000	0.23	Q					93+35	0.0000	0.13	Q				
88+30	0.0000	0.23	Q					93+40	0.0000	0.13	Q				
88+35	0.0000	0.22	Q					93+45	0.0000	0.13	Q				
88+40	0.0000	0.22	Q					93+50	0.0000	0.13	Q				
88+45	0.0000	0.22	Q					93+55	0.0000	0.13	Q				
88+50	0.0000	0.22	Q					94+ 0	0.0000	0.13	Q				
88+55	0.0000	0.22	Q					94+ 5	0.0000	0.13	Q				
89+ 0	0.0000	0.21	Q					94+10	0.0000	0.13	Q				
89+ 5	0.0000	0.21	Q					94+15	0.0000	0.12	Q				
89+10	0.0000	0.21	Q					94+20	0.0000	0.12	Q				
89+15	0.0000	0.21	Q					94+25	0.0000	0.12	Q				
89+20	0.0000	0.21	Q					94+30	0.0000	0.12	Q				
89+25	0.0000	0.20	Q					94+35	0.0000	0.12	Q				
89+30	0.0000	0.20	Q					94+40	0.0000	0.12	Q				
89+35	0.0000	0.20	Q					94+45	0.0000	0.12	Q				
89+40	0.0000	0.20	Q					94+50	0.0000	0.12	Q				
89+45	0.0000	0.20	Q					94+55	0.0000	0.12	Q				
89+50	0.0000	0.20	Q					95+ 0	0.0000	0.11	Q				
89+55	0.0000	0.19	Q					95+ 5	0.0000	0.11	Q				
90+ 0	0.0000	0.19	Q					95+10	0.0000	0.11	Q				
90+ 5	0.0000	0.19	Q					95+15	0.0000	0.11	Q				
90+10	0.0000	0.19	Q					95+20	0.0000	0.11	Q				
90+15	0.0000	0.19	Q					95+25	0.0000	0.11	Q				
90+20	0.0000	0.19	Q					95+30	0.0000	0.11	Q				
90+25	0.0000	0.18	Q					95+35	0.0000	0.11	Q				
90+30	0.0000	0.18	Q					95+40	0.0000	0.11	Q				
90+35	0.0000	0.18	Q					95+45	0.0000	0.11	Q				
90+40	0.0000	0.18	Q					95+50	0.0000	0.11	Q				
90+45	0.0000	0.18	Q					95+55	0.0000	0.10	Q				
90+50	0.0000	0.18	Q					96+ 0	0.0000	0.10	Q				
90+55	0.0000	0.18	Q					96+ 5	0.0000	0.10	Q				
91+ 0	0.0000	0.17	Q					96+10	0.0000	0.10	Q				
91+ 5	0.0000	0.17	Q					96+15	0.0000	0.10	Q				
91+10	0.0000	0.17	Q					96+20	0.0000	0.10	Q				
91+15	0.0000	0.17	Q					96+25	0.0000	0.10	Q				
91+20	0.0000	0.17	Q					96+30	0.0000	0.10	Q				

96+35	0.0000	0.10	Q					101+45	0.0000	0.06	Q				
96+40	0.0000	0.10	Q					101+50	0.0000	0.06	Q				
96+45	0.0000	0.10	Q					101+55	0.0000	0.06	Q				
96+50	0.0000	0.09	Q					102+ 0	0.0000	0.06	Q				
96+55	0.0000	0.09	Q					102+ 5	0.0000	0.06	Q				
97+ 0	0.0000	0.09	Q					102+10	0.0000	0.05	Q				
97+ 5	0.0000	0.09	Q					102+15	0.0000	0.05	Q				
97+10	0.0000	0.09	Q					102+20	0.0000	0.05	Q				
97+15	0.0000	0.09	Q					102+25	0.0000	0.05	Q				
97+20	0.0000	0.09	Q					102+30	0.0000	0.05	Q				
97+25	0.0000	0.09	Q					102+35	0.0000	0.05	Q				
97+30	0.0000	0.09	Q					102+40	0.0000	0.05	Q				
97+35	0.0000	0.09	Q					102+45	0.0000	0.05	Q				
97+40	0.0000	0.09	Q					102+50	0.0000	0.05	Q				
97+45	0.0000	0.09	Q					102+55	0.0000	0.05	Q				
97+50	0.0000	0.09	Q					103+ 0	0.0000	0.05	Q				
97+55	0.0000	0.08	Q					103+ 5	0.0000	0.05	Q				
98+ 0	0.0000	0.08	Q					103+10	0.0000	0.05	Q				
98+ 5	0.0000	0.08	Q					103+15	0.0000	0.05	Q				
98+10	0.0000	0.08	Q					103+20	0.0000	0.05	Q				
98+15	0.0000	0.08	Q					103+25	0.0000	0.05	Q				
98+20	0.0000	0.08	Q					103+30	0.0000	0.05	Q				
98+25	0.0000	0.08	Q					103+35	0.0000	0.05	Q				
98+30	0.0000	0.08	Q					103+40	0.0000	0.05	Q				
98+35	0.0000	0.08	Q					103+45	0.0000	0.05	Q				
98+40	0.0000	0.08	Q					103+50	0.0000	0.05	Q				
98+45	0.0000	0.08	Q					103+55	0.0000	0.05	Q				
98+50	0.0000	0.08	Q					104+ 0	0.0000	0.05	Q				
98+55	0.0000	0.08	Q					104+ 5	0.0000	0.04	Q				
99+ 0	0.0000	0.08	Q					104+10	0.0000	0.04	Q				
99+ 5	0.0000	0.08	Q					104+15	0.0000	0.04	Q				
99+10	0.0000	0.07	Q					104+20	0.0000	0.04	Q				
99+15	0.0000	0.07	Q					104+25	0.0000	0.04	Q				
99+20	0.0000	0.07	Q					104+30	0.0000	0.04	Q				
99+25	0.0000	0.07	Q					104+35	0.0000	0.04	Q				
99+30	0.0000	0.07	Q					104+40	0.0000	0.04	Q				
99+35	0.0000	0.07	Q					104+45	0.0000	0.04	Q				
99+40	0.0000	0.07	Q					104+50	0.0000	0.04	Q				
99+45	0.0000	0.07	Q					104+55	0.0000	0.04	Q				
99+50	0.0000	0.07	Q					105+ 0	0.0000	0.04	Q				
99+55	0.0000	0.07	Q					105+ 5	0.0000	0.04	Q				
100+ 0	0.0000	0.07	Q					105+10	0.0000	0.04	Q				
100+ 5	0.0000	0.07	Q					105+15	0.0000	0.04	Q				
100+10	0.0000	0.07	Q					105+20	0.0000	0.04	Q				
100+15	0.0000	0.07	Q					105+25	0.0000	0.04	Q				
100+20	0.0000	0.07	Q					105+30	0.0000	0.04	Q				
100+25	0.0000	0.07	Q					105+35	0.0000	0.04	Q				
100+30	0.0000	0.06	Q					105+40	0.0000	0.04	Q				
100+35	0.0000	0.06	Q					105+45	0.0000	0.04	Q				
100+40	0.0000	0.06	Q					105+50	0.0000	0.04	Q				
100+45	0.0000	0.06	Q					105+55	0.0000	0.04	Q				
100+50	0.0000	0.06	Q					106+ 0	0.0000	0.04	Q				
100+55	0.0000	0.06	Q					106+ 5	0.0000	0.04	Q				
101+ 0	0.0000	0.06	Q					106+10	0.0000	0.04	Q				
101+ 5	0.0000	0.06	Q					106+15	0.0000	0.04	Q				
101+10	0.0000	0.06	Q					106+20	0.0000	0.04	Q				
101+15	0.0000	0.06	Q					106+25	0.0000	0.04	Q				
101+20	0.0000	0.06	Q					106+30	0.0000	0.03	Q				
101+25	0.0000	0.06	Q					106+35	0.0000	0.03	Q				
101+30	0.0000	0.06	Q					106+40	0.0000	0.03	Q				
101+35	0.0000	0.06	Q					106+45	0.0000	0.03	Q				
101+40	0.0000	0.06	Q					106+50	0.0000	0.03	Q				

106+55	0.0000	0.03	Q					112+ 5	0.0000	0.02	Q				
107+ 0	0.0000	0.03	Q					112+10	0.0000	0.02	Q				
107+ 5	0.0000	0.03	Q					112+15	0.0000	0.02	Q				
107+10	0.0000	0.03	Q					112+20	0.0000	0.02	Q				
107+15	0.0000	0.03	Q					112+25	0.0000	0.02	Q				
107+20	0.0000	0.03	Q					112+30	0.0000	0.02	Q				
107+25	0.0000	0.03	Q					112+35	0.0000	0.02	Q				
107+30	0.0000	0.03	Q					112+40	0.0000	0.02	Q				
107+35	0.0000	0.03	Q					112+45	0.0000	0.02	Q				
107+40	0.0000	0.03	Q					112+50	0.0000	0.02	Q				
107+45	0.0000	0.03	Q					112+55	0.0000	0.02	Q				
107+50	0.0000	0.03	Q					113+ 0	0.0000	0.02	Q				
107+55	0.0000	0.03	Q					113+ 5	0.0000	0.02	Q				
108+ 0	0.0000	0.03	Q					113+10	0.0000	0.02	Q				
108+ 5	0.0000	0.03	Q					113+15	0.0000	0.02	Q				
108+10	0.0000	0.03	Q					113+20	0.0000	0.02	Q				
108+15	0.0000	0.03	Q					113+25	0.0000	0.02	Q				
108+20	0.0000	0.03	Q					113+30	0.0000	0.02	Q				
108+25	0.0000	0.03	Q					113+35	0.0000	0.02	Q				
108+30	0.0000	0.03	Q					113+40	0.0000	0.02	Q				
108+35	0.0000	0.03	Q					113+45	0.0000	0.02	Q				
108+40	0.0000	0.03	Q					113+50	0.0000	0.02	Q				
108+45	0.0000	0.03	Q					113+55	0.0000	0.02	Q				
108+50	0.0000	0.03	Q					114+ 0	0.0000	0.02	Q				
108+55	0.0000	0.03	Q					114+ 5	0.0000	0.02	Q				
109+ 0	0.0000	0.03	Q					114+10	0.0000	0.02	Q				
109+ 5	0.0000	0.03	Q					114+15	0.0000	0.02	Q				
109+10	0.0000	0.03	Q					114+20	0.0000	0.02	Q				
109+15	0.0000	0.03	Q					114+25	0.0000	0.02	Q				
109+20	0.0000	0.03	Q					114+30	0.0000	0.02	Q				
109+25	0.0000	0.03	Q					114+35	0.0000	0.02	Q				
109+30	0.0000	0.03	Q					114+40	0.0000	0.01	Q				
109+35	0.0000	0.03	Q					114+45	0.0000	0.01	Q				
109+40	0.0000	0.03	Q					114+50	0.0000	0.01	Q				
109+45	0.0000	0.02	Q					114+55	0.0000	0.01	Q				
109+50	0.0000	0.02	Q					115+ 0	0.0000	0.01	Q				
109+55	0.0000	0.02	Q					115+ 5	0.0000	0.01	Q				
110+ 0	0.0000	0.02	Q					115+10	0.0000	0.01	Q				
110+ 5	0.0000	0.02	Q					115+15	0.0000	0.01	Q				
110+10	0.0000	0.02	Q					115+20	0.0000	0.01	Q				
110+15	0.0000	0.02	Q					115+25	0.0000	0.01	Q				
110+20	0.0000	0.02	Q					115+30	0.0000	0.01	Q				
110+25	0.0000	0.02	Q					115+35	0.0000	0.01	Q				
110+30	0.0000	0.02	Q					115+40	0.0000	0.01	Q				
110+35	0.0000	0.02	Q					115+45	0.0000	0.01	Q				
110+40	0.0000	0.02	Q					115+50	0.0000	0.01	Q				
110+45	0.0000	0.02	Q					115+55	0.0000	0.01	Q				
110+50	0.0000	0.02	Q					116+ 0	0.0000	0.01	Q				
110+55	0.0000	0.02	Q					116+ 5	0.0000	0.01	Q				
111+ 0	0.0000	0.02	Q					116+10	0.0000	0.01	Q				
111+ 5	0.0000	0.02	Q					116+15	0.0000	0.01	Q				
111+10	0.0000	0.02	Q					116+20	0.0000	0.01	Q				
111+15	0.0000	0.02	Q					116+25	0.0000	0.01	Q				
111+20	0.0000	0.02	Q					116+30	0.0000	0.01	Q				
111+25	0.0000	0.02	Q					116+35	0.0000	0.01	Q				
111+30	0.0000	0.02	Q					116+40	0.0000	0.01	Q				
111+35	0.0000	0.02	Q					116+45	0.0000	0.01	Q				
111+40	0.0000	0.02	Q					116+50	0.0000	0.01	Q				
111+45	0.0000	0.02	Q					116+55	0.0000	0.01	Q				
111+50	0.0000	0.02	Q					117+ 0	0.0000	0.01	Q				
111+55	0.0000	0.02	Q					117+ 5	0.0000	0.01	Q				
112+ 0	0.0000	0.02	Q					117+10	0.0000	0.01	Q				

117+15	0.0000	0.01	Q	|	|	|	|	122+25	0.0000	0.01	Q	|	|	|	|
117+20	0.0000	0.01	Q	|	|	|	|	122+30	0.0000	0.01	Q	|	|	|	|
117+25	0.0000	0.01	Q	|	|	|	|	122+35	0.0000	0.01	Q	|	|	|	|
117+30	0.0000	0.01	Q	|	|	|	|	122+40	0.0000	0.01	Q	|	|	|	|
117+35	0.0000	0.01	Q	|	|	|	|	122+45	0.0000	0.01	Q	|	|	|	|
117+40	0.0000	0.01	Q	|	|	|	|	122+50	0.0000	0.01	Q	|	|	|	|
117+45	0.0000	0.01	Q	|	|	|	|	122+55	0.0000	0.01	Q	|	|	|	|
117+50	0.0000	0.01	Q	|	|	|	|	123+ 0	0.0000	0.01	Q	|	|	|	|
117+55	0.0000	0.01	Q	|	|	|	|	123+ 5	0.0000	0.01	Q	|	|	|	|
118+ 0	0.0000	0.01	Q	|	|	|	|	123+10	0.0000	0.01	Q	|	|	|	|
118+ 5	0.0000	0.01	Q	|	|	|	|	123+15	0.0000	0.01	Q	|	|	|	|
118+10	0.0000	0.01	Q	|	|	|	|	123+20	0.0000	0.01	Q	|	|	|	|
118+15	0.0000	0.01	Q	|	|	|	|	123+25	0.0000	0.01	Q	|	|	|	|
118+20	0.0000	0.01	Q	|	|	|	|	123+30	0.0000	0.01	Q	|	|	|	|
118+25	0.0000	0.01	Q	|	|	|	|	123+35	0.0000	0.01	Q	|	|	|	|
118+30	0.0000	0.01	Q	|	|	|	|	123+40	0.0000	0.01	Q	|	|	|	|
118+35	0.0000	0.01	Q	|	|	|	|	123+45	0.0000	0.01	Q	|	|	|	|
118+40	0.0000	0.01	Q	|	|	|	|	123+50	0.0000	0.01	Q	|	|	|	|
118+45	0.0000	0.01	Q	|	|	|	|	123+55	0.0000	0.01	Q	|	|	|	|
118+50	0.0000	0.01	Q	|	|	|	|	124+ 0	0.0000	0.01	Q	|	|	|	|
118+55	0.0000	0.01	Q	|	|	|	|	124+ 5	0.0000	0.01	Q	|	|	|	|
119+ 0	0.0000	0.01	Q	|	|	|	|	124+10	0.0000	0.01	Q	|	|	|	|
119+ 5	0.0000	0.01	Q	|	|	|	|	124+15	0.0000	0.01	Q	|	|	|	|
119+10	0.0000	0.01	Q	|	|	|	|	124+20	0.0000	0.01	Q	|	|	|	|
119+15	0.0000	0.01	Q	|	|	|	|	124+25	0.0000	0.01	Q	|	|	|	|
119+20	0.0000	0.01	Q	|	|	|	|	124+30	0.0000	0.01	Q	|	|	|	|
119+25	0.0000	0.01	Q	|	|	|	|	124+35	0.0000	0.01	Q	|	|	|	|
119+30	0.0000	0.01	Q	|	|	|	|	124+40	0.0000	0.01	Q	|	|	|	|
119+35	0.0000	0.01	Q	|	|	|	|	124+45	0.0000	0.01	Q	|	|	|	|
119+40	0.0000	0.01	Q	|	|	|	|	124+50	0.0000	0.01	Q	|	|	|	|
119+45	0.0000	0.01	Q	|	|	|	|	124+55	0.0000	0.01	Q	|	|	|	|
119+50	0.0000	0.01	Q	|	|	|	|	125+ 0	0.0000	0.01	Q	|	|	|	|
119+55	0.0000	0.01	Q	|	|	|	|	125+ 5	0.0000	0.01	Q	|	|	|	|
120+ 0	0.0000	0.01	Q	|	|	|	|	125+10	0.0000	0.01	Q	|	|	|	|
120+ 5	0.0000	0.01	Q	|	|	|	|	125+15	0.0000	0.00	Q	|	|	|	|
120+10	0.0000	0.01	Q	|	|	|	|	125+20	0.0000	0.00	Q	|	|	|	|
120+15	0.0000	0.01	Q	|	|	|	|	125+25	0.0000	0.00	Q	|	|	|	|
120+20	0.0000	0.01	Q	|	|	|	|	125+30	0.0000	0.00	Q	|	|	|	|
120+25	0.0000	0.01	Q	|	|	|	|	125+35	0.0000	0.00	Q	|	|	|	|
120+30	0.0000	0.01	Q	|	|	|	|	125+40	0.0000	0.00	Q	|	|	|	|
120+35	0.0000	0.01	Q	|	|	|	|	125+45	0.0000	0.00	Q	|	|	|	|
120+40	0.0000	0.01	Q	|	|	|	|	125+50	0.0000	0.00	Q	|	|	|	|
120+45	0.0000	0.01	Q	|	|	|	|	125+55	0.0000	0.00	Q	|	|	|	|
120+50	0.0000	0.01	Q	|	|	|	|	126+ 0	0.0000	0.00	Q	|	|	|	|
120+55	0.0000	0.01	Q	|	|	|	|	126+ 5	0.0000	0.00	Q	|	|	|	|
121+ 0	0.0000	0.01	Q	|	|	|	|	126+10	0.0000	0.00	Q	|	|	|	|
121+ 5	0.0000	0.01	Q	|	|	|	|	126+15	0.0000	0.00	Q	|	|	|	|
121+10	0.0000	0.01	Q	|	|	|	|	126+20	0.0000	0.00	Q	|	|	|	|
121+15	0.0000	0.01	Q	|	|	|	|	126+25	0.0000	0.00	Q	|	|	|	|
121+20	0.0000	0.01	Q	|	|	|	|	126+30	0.0000	0.00	Q	|	|	|	|
121+25	0.0000	0.01	Q	|	|	|	|	126+35	0.0000	0.00	Q	|	|	|	|
121+30	0.0000	0.01	Q	|	|	|	|	126+40	0.0000	0.00	Q	|	|	|	|
121+35	0.0000	0.01	Q	|	|	|	|	126+45	0.0000	0.00	Q	|	|	|	|
121+40	0.0000	0.01	Q	|	|	|	|	126+50	0.0000	0.00	Q	|	|	|	|
121+45	0.0000	0.01	Q	|	|	|	|	126+55	0.0000	0.00	Q	|	|	|	|
121+50	0.0000	0.01	Q	|	|	|	|	127+ 0	0.0000	0.00	Q	|	|	|	|
121+55	0.0000	0.01	Q	|	|	|	|	127+ 5	0.0000	0.00	Q	|	|	|	|
122+ 0	0.0000	0.01	Q	|	|	|	|	127+10	0.0000	0.00	Q	|	|	|	|
122+ 5	0.0000	0.01	Q	|	|	|	|	127+15	0.0000	0.00	Q	|	|	|	|
122+10	0.0000	0.01	Q	|	|	|	|	127+20	0.0000	0.00	Q	|	|	|	|
122+15	0.0000	0.01	Q	|	|	|	|	127+25	0.0000	0.00	Q	|	|	|	|
122+20	0.0000	0.01	Q	|	|	|	|	127+30	0.0000	0.00	Q	|	|	|	|

127+35	0.0000	0.00	Q					132+45	0.0000	0.00	Q				
127+40	0.0000	0.00	Q					132+50	0.0000	0.00	Q				
127+45	0.0000	0.00	Q					132+55	0.0000	0.00	Q				
127+50	0.0000	0.00	Q					133+ 0	0.0000	0.00	Q				
127+55	0.0000	0.00	Q					133+ 5	0.0000	0.00	Q				
128+ 0	0.0000	0.00	Q					133+10	0.0000	0.00	Q				
128+ 5	0.0000	0.00	Q					133+15	0.0000	0.00	Q				
128+10	0.0000	0.00	Q					133+20	0.0000	0.00	Q				
128+15	0.0000	0.00	Q					133+25	0.0000	0.00	Q				
128+20	0.0000	0.00	Q					133+30	0.0000	0.00	Q				
128+25	0.0000	0.00	Q					133+35	0.0000	0.00	Q				
128+30	0.0000	0.00	Q					133+40	0.0000	0.00	Q				
128+35	0.0000	0.00	Q					133+45	0.0000	0.00	Q				
128+40	0.0000	0.00	Q					133+50	0.0000	0.00	Q				
128+45	0.0000	0.00	Q					133+55	0.0000	0.00	Q				
128+50	0.0000	0.00	Q					134+ 0	0.0000	0.00	Q				
128+55	0.0000	0.00	Q					134+ 5	0.0000	0.00	Q				
129+ 0	0.0000	0.00	Q					134+10	0.0000	0.00	Q				
129+ 5	0.0000	0.00	Q					134+15	0.0000	0.00	Q				
129+10	0.0000	0.00	Q					134+20	0.0000	0.00	Q				
129+15	0.0000	0.00	Q					134+25	0.0000	0.00	Q				
129+20	0.0000	0.00	Q					134+30	0.0000	0.00	Q				
129+25	0.0000	0.00	Q					134+35	0.0000	0.00	Q				
129+30	0.0000	0.00	Q					134+40	0.0000	0.00	Q				
129+35	0.0000	0.00	Q					134+45	0.0000	0.00	Q				
129+40	0.0000	0.00	Q					134+50	0.0000	0.00	Q				
129+45	0.0000	0.00	Q					134+55	0.0000	0.00	Q				
129+50	0.0000	0.00	Q					135+ 0	0.0000	0.00	Q				
129+55	0.0000	0.00	Q					135+ 5	0.0000	0.00	Q				
130+ 0	0.0000	0.00	Q					135+10	0.0000	0.00	Q				
130+ 5	0.0000	0.00	Q					135+15	0.0000	0.00	Q				
130+10	0.0000	0.00	Q					135+20	0.0000	0.00	Q				
130+15	0.0000	0.00	Q					135+25	0.0000	0.00	Q				
130+20	0.0000	0.00	Q					135+30	0.0000	0.00	Q				
130+25	0.0000	0.00	Q					135+35	0.0000	0.00	Q				
130+30	0.0000	0.00	Q					135+40	0.0000	0.00	Q				
130+35	0.0000	0.00	Q					135+45	0.0000	0.00	Q				
130+40	0.0000	0.00	Q					135+50	0.0000	0.00	Q				
130+45	0.0000	0.00	Q					135+55	0.0000	0.00	Q				
130+50	0.0000	0.00	Q					136+ 0	0.0000	0.00	Q				
130+55	0.0000	0.00	Q					136+ 5	0.0000	0.00	Q				
131+ 0	0.0000	0.00	Q					136+10	0.0000	0.00	Q				
131+ 5	0.0000	0.00	Q					136+15	0.0000	0.00	Q				
131+10	0.0000	0.00	Q					136+20	0.0000	0.00	Q				
131+15	0.0000	0.00	Q					136+25	0.0000	0.00	Q				
131+20	0.0000	0.00	Q					136+30	0.0000	0.00	Q				
131+25	0.0000	0.00	Q					136+35	0.0000	0.00	Q				
131+30	0.0000	0.00	Q					136+40	0.0000	0.00	Q				
131+35	0.0000	0.00	Q					136+45	0.0000	0.00	Q				
131+40	0.0000	0.00	Q					136+50	0.0000	0.00	Q				
131+45	0.0000	0.00	Q					136+55	0.0000	0.00	Q				
131+50	0.0000	0.00	Q					137+ 0	0.0000	0.00	Q				
131+55	0.0000	0.00	Q					137+ 5	0.0000	0.00	Q				
132+ 0	0.0000	0.00	Q					137+10	0.0000	0.00	Q				
132+ 5	0.0000	0.00	Q					137+15	0.0000	0.00	Q				
132+10	0.0000	0.00	Q					137+20	0.0000	0.00	Q				
132+15	0.0000	0.00	Q					137+25	0.0000	0.00	Q				
132+20	0.0000	0.00	Q					137+30	0.0000	0.00	Q				
132+25	0.0000	0.00	Q					137+35	0.0000	0.00	Q				
132+30	0.0000	0.00	Q					137+40	0.0000	0.00	Q				
132+35	0.0000	0.00	Q					137+45	0.0000	0.00	Q				
132+40	0.0000	0.00	Q					137+50	0.0000	0.00	Q				

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 137+55       0.0000      0.00  Q         |         |         |         |
 138+ 0       0.0000      0.00  Q         |         |         |         |
 138+ 5       0.0000      0.00  Q         |         |         |         |
 138+10       0.0000      0.00  Q         |         |         |         |
 138+15       0.0000      0.00  Q         |         |         |         |
 138+20       0.0000      0.00  Q         |         |         |         |
 138+25       0.0000      0.00  Q         |         |         |         |
 138+30       0.0000      0.00  Q         |         |         |         |
 138+35       0.0000      0.00  Q         |         |         |         |
 138+40       0.0000      0.00  Q         |         |         |         |
 138+45       0.0000      0.00  Q         |         |         |         |
 138+50       0.0000      0.00  Q         |         |         |         |
 138+55       0.0000      0.00  Q         |         |         |         |
 139+ 0       0.0000      0.00  Q         |         |         |         |
 139+ 5       0.0000      0.00  Q         |         |         |         |
 139+10       0.0000      0.00  Q         |         |         |         |
 139+15       0.0000      0.00  Q         |         |         |         |
 139+20       0.0000      0.00  Q         |         |         |         |
 139+25       0.0000      0.00  Q         |         |         |         |
 139+30       0.0000      0.00  Q         |         |         |         |
 139+35       0.0000      0.00  Q         |         |         |         |
 139+40       0.0000      0.00  Q         |         |         |         |
 139+45       0.0000      0.00  Q         |         |         |         |
 139+50       0.0000      0.00  Q         |         |         |         |
 139+55       0.0000      0.00  Q         |         |         |         |
-------------------------------------------------------------------------
        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  5002
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =      263.392 (CFS)
                        Total volume =     117.779 (Ac.Ft)
                Status of hydrographs being held in storage
                          Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        *************************************************************************

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DRAINAGE FLOW CHART
POST DEVELOPMENT CONDITION

MESA VERDE ESTATES
DRAINAGE FLOW CHART
POST-DEVELOPMENT CONDITION

CP-1

POST-DEVELOPMENT CONDITION

AREA 1
16.47AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 20 CFS
$Q_{100yr,6HR}$= 17 CFS
$Q_{100yr,24HR}$= 6 CFS
$Q_{2yr,24HR}$= 0.83 CFS

CP1

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 71 CFS		$Q_{100yr,3HR}$= 20 CFS
$Q_{100yr,6HR}$= 64 CFS	>	$Q_{100yr,6HR}$= 17 CFS
$Q_{100yr,24HR}$= 26 CFS		$Q_{100yr,24HR}$= 6 CFS
$Q_{2yr,24HR}$= 1.8 CFS		$Q_{2yr,24HR}$= 0.83 CFS

CP-2

POST-DEVELOPMENT CONDITION

AREA 2
24.04 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 35 CFS
$Q_{100yr,6HR}$= 32 CFS
$Q_{100yr,24HR}$= 15 CFS
$Q_{2yr,24HR}$= 1.1 CFS

CP2

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 130 CFS		$Q_{100yr,3HR}$= 35 CFS
$Q_{100yr,6HR}$= 119 CFS	>	$Q_{100yr,6HR}$= 32 CFS
$Q_{100yr,24HR}$= 58 CFS		$Q_{100yr,24HR}$= 15 CFS
$Q_{2yr,24HR}$= 3.3 CFS		$Q_{2yr,24HR}$= 1.1 CFS

CP-3

POST-DEVELOPMENT CONDITION

(NODE 3.1)
AREA 3A
82.99 AC
$Q_{100yr,3HR}$= 136.6 CFS
$Q_{100yr,6HR}$= 124.0 CFS
$Q_{100yr,24HR}$= 60.9 CFS
$Q_{2yr,24HR}$= 16.4 CFS

BASIN 1
FLOW THROUGH
$Q_{100yr,3HR}$= 18.6 CFS
$Q_{100yr,6HR}$= 34.7 CFS
$Q_{100yr,24HR}$= 40.0 CFS
$Q_{2yr,24HR}$= 1.7 CFS

(NODE 3.2)
AREA 3B
20.72 AC
$Q_{100yr,3HR}$= 30.4 CFS
$Q_{100yr,6HR}$= 27.2 CFS
$Q_{100yr,24HR}$= 12.1 CFS
$Q_{2yr,24HR}$= 1.4 CFS

(NODE 3.3)
AREA 3C
7.70 AC
$Q_{100yr,3HR}$= 33.2 CFS
$Q_{100yr,6HR}$= 53.1 CFS
$Q_{100yr,24HR}$= 47.6 CFS
$Q_{2yr,24HR}$= 2.9 CFS

(NODE 3.4)
$Q_{100yr,3HR}$= 11.2 CFS
$Q_{100yr,6HR}$= 10.2 CFS
$Q_{100yr,24HR}$= 4.2 CFS
$Q_{2yr,24HR}$= 0.4 CFS

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 44 CFS
$Q_{100yr,6HR}$= 61 CFS
$Q_{100yr,24HR}$= 51 CFS
$Q_{2yr,24HR}$= 3.2 CFS

CP3

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 119 CFS		Q_{3HR}= 44 CFS
$Q_{100yr,6HR}$= 109 CFS	>	Q_{6HR}= 61 CFS
$Q_{100yr,24HR}$= 53 CFS		Q_{24HR}= 51 CFS
$Q_{2yr,24HR}$= 3.0 CFS		$Q_{2yr,24HR}$= 3.2 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-4

POST-DEVELOPMENT CONDITION

(NODE 4.7)
AREA 4A
275.54 AC
$Q_{100yr,3HR}$= 455 CFS
$Q_{100yr,6HR}$= 419 CFS
$Q_{100yr,24HR}$= 212 CFS
$Q_{2yr,24HR}$= 62 CFS

(NODE 4.81)
AREA 4B
15.18 AC
$Q_{100yr,3HR}$= 23 CFS
$Q_{100yr,6HR}$= 22 CFS
$Q_{100yr,24HR}$= 9 CFS
$Q_{2yr,24HR}$= 0.5 CFS

(NODE 4.1)
AREA 4D
87.40 AC
$Q_{100yr,3HR}$= 147 CFS
$Q_{100yr,6HR}$= 135 CFS
$Q_{100yr,24HR}$= 69 CFS
$Q_{2yr,24HR}$= 23 CFS

(NODE 4.29)
AREA 4E
108.93 AC
$Q_{100yr,3HR}$= 186 CFS
$Q_{100yr,6HR}$= 170 CFS
$Q_{100yr,24HR}$= 86 CFS
$Q_{2yr,24HR}$= 28 CFS

(NODE 4.6)
FLOW DIVERSION STRUCTURE
$Q_{100yr,3HR}$= 474 CFS
$Q_{100yr,6HR}$= 432 CFS
$Q_{100yr,24HR}$= 218 CFS
$Q_{2yr,24HR}$= 58.2 CFS
3.9 CFS

BASIN 2
FLOWBY
$Q_{100yr,3HR}$= 53 CFS
$Q_{100yr,6HR}$= 125 CFS
$Q_{100yr,24HR}$= 125 CFS
$Q_{2yr,24HR}$= 1.7 CFS

BASIN 3
FLOW THROUGH
$Q_{100yr,3HR}$= 0.8 CFS
$Q_{100yr,6HR}$= 28 CFS
$Q_{100yr,24HR}$= 57 CFS
$Q_{2yr,24HR}$= 0.8 CFS

BASIN 4
FLOW THROUGH
$Q_{100yr,3HR}$= 14 CFS
$Q_{100yr,6HR}$= 99 CFS
$Q_{100yr,24HR}$= 79 CFS
$Q_{2yr,24HR}$= 1.0 CFS

NODE 4.82
$Q_{100yr,3HR}$= 40 CFS
$Q_{100yr,6HR}$= 40 CFS
$Q_{100yr,24HR}$= 40 CFS
$Q_{2yr,24HR}$= 8.6 CFS

(NODE 4.2)
(NODE 4.3)
NODE 4.61
(NODE 4.5)
AREA 4F
45.41 AC
$Q_{100yr,3HR}$= 36 CFS
$Q_{100yr,6HR}$= 36 CFS
$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 4.7 CFS

(NODE 4.4)
AREA 4C
7.76 AC
(NODE 4.39)
$Q_{100yr,3HR}$= 61 CFS
$Q_{100yr,6HR}$= 56 CFS
$Q_{100yr,24HR}$= 27 CFS
$Q_{2yr,24HR}$= 3.0 CFS
$Q_{100yr,3HR}$= 12 CFS
$Q_{100yr,6HR}$= 11 CFS
$Q_{100yr,24HR}$= 5 CFS
$Q_{2yr,24HR}$= 0.3 CFS

NODE 4.8
$Q_{100yr,3HR}$= 89 CFS
$Q_{100yr,6HR}$= 165 CFS
$Q_{100yr,24HR}$= 165 CFS
$Q_{2yr,24HR}$= 10.1 CFS

AREA 4G
1.56 AC
$Q_{100yr,3HR}$= 2 CFS
$Q_{100yr,6HR}$= 2 CFS
$Q_{100yr,24HR}$= 0.8 CFS
$Q_{2yr,24HR}$= 0.08 CFS

(NODE 4.9)
PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 89 CFS
$Q_{100yr,6HR}$= 166 CFS
$Q_{100yr,24HR}$= 166 CFS
$Q_{2yr,24HR}$= 10.2 CFS

CP4

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 334 CFS		Q_{3HR}= 89 CFS
$Q_{100yr,6HR}$= 304 CFS	>	Q_{6HR}= 166 CFS
$Q_{100yr,24HR}$= 169 CFS		Q_{24HR}= 166 CFS
$Q_{2yr,24HR}$= 9.5 CFS		$Q_{2yr,24HR}$= 10.2 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-5

POST-DEVELOPMENT CONDITION

(NODE 5.0)
AREA 5D
101.12 AC
$Q_{100yr,3HR}$= 169 CFS
$Q_{100yr,6HR}$= 157 CFS
$Q_{100yr,24HR}$= 82 CFS
$Q_{2yr,24HR}$= 30 CFS

(NODE 5.2)
AREA 5C
9.11 AC
$Q_{100yr,3HR}$= 15 CFS
$Q_{100yr,6HR}$= 14 CFS
$Q_{100yr,24HR}$= 7 CFS
$Q_{2yr,24HR}$= 2 CFS

(NODE 5.4)
AREA 5B
106.64 AC
$Q_{100yr,3HR}$= 168 CFS
$Q_{100yr,6HR}$= 156 CFS
$Q_{100yr,24HR}$= 80 CFS
$Q_{2yr,24HR}$= 21 CFS

OFFSITE FLOW
EAST OF I-10
Q_{100}=1,832 CFS

FLOW DIVERSION STRUCTURE
3.0 CFS

BASIN 12
FLOW THROUGH
$Q_{100yr,3HR}$= 63 CFS
$Q_{100yr,6HR}$= 125 CFS
$Q_{100yr,24HR}$= 79 CFS
$Q_{2yr,24HR}$= 11 CFS

(NODE 5.1)
BASIN 14
FLOWBY
$Q_{100yr,3HR}$= 12 CFS
$Q_{100yr,6HR}$= 54 CFS
$Q_{100yr,24HR}$= 77 CFS
$Q_{2yr,24HR}$= 8.0 CFS

(NODE 5.3)
BASIN 5B
FLOW THROUGH
$Q_{100yr,3HR}$= 12 CFS
$Q_{100yr,6HR}$= 30 CFS
$Q_{100yr,24HR}$= 60 CFS
$Q_{2yr,24HR}$= 2.1 CFS

(NODE 5.5)
AREA 5A
304.88 AC
$Q_{100yr,3HR}$= 282 CFS
$Q_{100yr,6HR}$= 260 CFS
$Q_{100yr,24HR}$= 155 CFS
$Q_{2yr,24HR}$= 19.5 CFS

(NODE 5.6)
(NODE 5.7)
PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 299 CFS + Q_{100}=1,832 CFS
$Q_{100yr,6HR}$= 333 CFS
$Q_{100yr,24HR}$= 283 CFS
$Q_{2yr,24HR}$= 26.1 CFS

CP5

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 501 CFS		$Q_{100yr,3HR}$= 299 CFS
$Q_{100yr,6HR}$= 464 CFS	>	$Q_{100yr,6HR}$= 333 CFS
$Q_{100yr,24HR}$= 275 CFS		$Q_{100yr,24HR}$= 283 CFS
$Q_{2yr,24HR}$= 24.4 CFS		$Q_{2yr,24HR}$= 26.1 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-6

POST-DEVELOPMENT CONDITION

AREA 6
44.34 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 67 CFS
$Q_{100yr,6HR}$= 59 CFS
$Q_{100yr,24HR}$= 27 CFS
$Q_{2yr,24HR}$= 2.4 CFS

CP6

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 96 CFS		$Q_{100yr,3HR}$= 67 CFS
$Q_{100yr,6HR}$= 87 CFS	>	$Q_{100yr,6HR}$= 59 CFS
$Q_{100yr,24HR}$= 40 CFS		$Q_{100yr,24HR}$= 27 CFS
$Q_{2yr,24HR}$= 3.5 CFS		$Q_{2yr,24HR}$= 2.4 CFS

CP-7

POST-DEVELOPMENT CONDITION

AREA 7
13.38 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 21 CFS
$Q_{100yr,6HR}$= 18 CFS
$Q_{100yr,24HR}$= 8 CFS
$Q_{2yr,24HR}$= 0.5 CFS

CP7

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 73 CFS		$Q_{100yr,3HR}$= 21 CFS
$Q_{100yr,6HR}$= 65 CFS	>	$Q_{100yr,6HR}$= 18 CFS
$Q_{100yr,24HR}$= 34 CFS		$Q_{100yr,24HR}$= 8 CFS
$Q_{2yr,24HR}$= 1.8 CFS		$Q_{2yr,24HR}$= 0.5 CFS

CP-8

POST-DEVELOPMENT CONDITION

AREA 8B
5.30 AC

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 9 CFS
$Q_{100yr,6HR}$= 8 CFS
$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 0.3 CFS

CP8

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 50 CFS		$Q_{100yr,3HR}$= 9 CFS
$Q_{100yr,6HR}$= 46 CFS	>	$Q_{100yr,6HR}$= 8 CFS
$Q_{100yr,24HR}$= 22 CFS		$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 1.1 CFS		$Q_{2yr,24HR}$= 0.3 CFS

CP-9

POST-DEVELOPMENT CONDITION

(NODE 9.0)
AREA 9A
20.58 AC
$Q_{100yr,3HR}$= 35 CFS
$Q_{100yr,6HR}$= 33 CFS
$Q_{100yr,24HR}$= 16 CFS
$Q_{2yr,24HR}$= 5.6 CFS

(NODE 9.3)
AREA 9B
59.91 AC
$Q_{100yr,3HR}$= 103 CFS
$Q_{100yr,6HR}$= 92 CFS
$Q_{100yr,24HR}$= 48 CFS
$Q_{2yr,24HR}$= 15.6 CFS

BASIN 6
BASIN 7

NODE 9.1
$Q_{100yr,3HR}$= 9 CFS
$Q_{100yr,6HR}$= 25 CFS
$Q_{100yr,24HR}$= 16 CFS
$Q_{2yr,24HR}$= 1.2 CFS

NODE 9.4
$Q_{100yr,3HR}$= 0.9 CFS
$Q_{100yr,6HR}$= 9 CFS
$Q_{100yr,24HR}$= 23 CFS
$Q_{2yr,24HR}$= 0.9 CFS

NODE 9.2
$Q_{100yr,3HR}$= 12 CFS
$Q_{100yr,6HR}$= 34 CFS
$Q_{100yr,24HR}$= 34 CFS
$Q_{2yr,24HR}$= 2.1 CFS

NODE 9.6
AREA 9C
5.38 AC
$Q_{100yr,3HR}$= 8 CFS
$Q_{100yr,6HR}$= 7 CFS
$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 0.3 CFS

NODE 9.5
$Q_{100yr,3HR}$= 11 CFS
$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 2.2 CFS

PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 11 CFS
$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 2.2 CFS

CP9

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 91 CFS		$Q_{100yr,3HR}$= 11 CFS
$Q_{100yr,6HR}$= 84 CFS	>	$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 39 CFS		$Q_{100yr,24HR}$= 36 CFS
$Q_{2yr,24HR}$= 2.2 CFS		$Q_{2yr,24HR}$= 2.2 CFS < 10% INCREASE FROM EXISTING CONDITION

CP-10

POST-DEVELOPMENT CONDITION

(NODE 10.3)
AREA 10G
4.58 AC
$Q_{100yr,3HR}$= 8 CFS
$Q_{100yr,6HR}$= 7 CFS
$Q_{100yr,24HR}$= 3 CFS
$Q_{2yr,24HR}$= 0.6 CFS

(NODE 10.0)
AREA 10E
3.91 AC
$Q_{100yr,3HR}$= 6 CFS
$Q_{100yr,6HR}$= 6 CFS
$Q_{100yr,24HR}$= 2 CFS
$Q_{2yr,24HR}$= 0.1 CFS

(NODE 10.91)
AREA 10F
27.52 AC
$Q_{100yr,3HR}$= 48 CFS
$Q_{100yr,6HR}$= 45 CFS
$Q_{100yr,24HR}$= 21 CFS
$Q_{2yr,24HR}$= 5.8 CFS

(NODE 10.4)
AREA 10B
23.61 AC
$Q_{100yr,3HR}$= 38 CFS
$Q_{100yr,6HR}$= 35 CFS
$Q_{100yr,24HR}$= 15 CFS
$Q_{2yr,24HR}$= 2.8 CFS

(NODE 10.6)
AREA 10C
18.70 AC
$Q_{100yr,3HR}$= 30 CFS
$Q_{100yr,6HR}$= 28 CFS
$Q_{100yr,24HR}$= 13 CFS
$Q_{2yr,24HR}$= 2.6 CFS

(NODE 10.8)
AREA 10D
30.06 AC
$Q_{100yr,3HR}$= 51 CFS
$Q_{100yr,6HR}$= 48 CFS
$Q_{100yr,24HR}$= 23 CFS
$Q_{2yr,24HR}$= 7.3 CFS

(NODE 10.93)
AREA 10H
48.31 AC
$Q_{100yr,3HR}$= 83 CFS
$Q_{100yr,6HR}$= 75 CFS
$Q_{100yr,24HR}$= 38 CFS
$Q_{2yr,24HR}$= 11.8 CFS

OFFSITE FLOW
EAST OF I-10
Q_{100}=624 CFS + Q_{100}=1,624 CFS = 2,248 CFS

BASIN 10
$Q_{100yr,3HR}$= 0.2 CFS
$Q_{100yr,6HR}$= 0.2 CFS
$Q_{100yr,24HR}$= 0.4 CFS
$Q_{2yr,24HR}$= 0.04 CFS

NODE 10.2
BASIN 9
$Q_{100yr,3HR}$= 2 CFS
$Q_{100yr,6HR}$= 2 CFS
$Q_{100yr,24HR}$= 1.1 CFS
$Q_{2yr,24HR}$= 1.4 CFS

NODE 10.92
BASIN 8
$Q_{100yr,3HR}$= 15 CFS
$Q_{100yr,6HR}$= 37 CFS
$Q_{100yr,24HR}$= 43 CFS
$Q_{2yr,24HR}$= 1.7 CFS

NODE 10.9
BASIN 11
$Q_{100yr,3HR}$= 3 CFS
$Q_{100yr,6HR}$= 9 CFS
$Q_{100yr,24HR}$= 2.3 CFS
$Q_{2yr,24HR}$= 2.3 CFS

NODE 10.94
NODE 10.95
AREA 10A
329.98 AC
$Q_{100yr,3HR}$= 377 CFS
$Q_{100yr,6HR}$= 345 CFS
$Q_{100yr,24HR}$= 186 CFS
$Q_{2yr,24HR}$= 24.4 CFS

NODE 10.96
PEAK FLOW RUNOFF
$Q_{100yr,3HR}$= 396 CFS + Q_{100}=2,248 CFS
$Q_{100yr,6HR}$= 388 CFS
$Q_{100yr,24HR}$= 263 CFS
$Q_{2yr,24HR}$= 29.4 CFS

CP10

PRE-DEVELOPMENT CONDITION PEAK FLOW RATE		POST-DEVELOPMENT CONDITION PEAK FLOW RATE
$Q_{100yr,3HR}$= 591 CFS		$Q_{100yr,3HR}$= 396 CFS
$Q_{100yr,6HR}$= 546 CFS	>	$Q_{100yr,6HR}$= 388 CFS
$Q_{100yr,24HR}$= 291 CFS		$Q_{100yr,24HR}$= 263 CFS
$Q_{2yr,24HR}$= 33.1 CFS		$Q_{2yr,24HR}$= 29.4 CFS

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SECTION 5
REFERENCES

HYDROLOGIC SOILS GROUP MAP
(PLATE C1.18)

LEGEND

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

RCFC&WCD

HYDROLOGY MANUAL

N

0 FEET 5000

HYDROLOGIC SOILS GROUP MAP FOR YUCAIPA

PLATE C-1.06

LEGEND

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

RCFC & WCD

HYDROLOGY MANUAL

N

0 FEET 5000

HYDROLOGIC SOILS GROUP MAP FOR EL CASCO

PLATE C-1.18

LAND USE/IMPERVIOUSNESS DATA TABLE
(PLATE D-5.6)

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

Cover Type (3)	Quality of Cover (2)	Soil Group A	B	C	D
NATURAL COVERS -					
Barren (Rockland, eroded and graded land)		78	86	91	93
Chaparrel, Broadleaf (Manzonita, ceanothus and scrub oak)	Poor	53	70	80	85
	Fair	40	63	75	81
	Good	31	57	71	78
Chaparrel, Narrowleaf (Chamise and redshank)	Poor	71	82	88	91
	Fair	55	72	81	86
Grass, Annual or Perennial	Poor	67	78	86	89
	Fair	50	69	79	84
	Good	38	61	74	80
Meadows or Cienegas (Areas with seasonally high water table, principal vegetation is sod forming grass)	Poor	63	77	85	88
	Fair	51	70	80	84
	Good	30	58	72	78
Open Brush (Soft wood shrubs - buckwheat, sage, etc.)	Poor	62	76	84	88
	Fair	46	66	77	83
	Good	41	63	75	81
Woodland (Coniferous or broadleaf trees predominate. Canopy density is at least 50 percent)	Poor	45	66	77	83
	Fair	36	60	73	79
	Good	28	55	70	77
Woodland, Grass (Coniferous or broadleaf trees with canopy density from 20 to 50 percent)	Poor	57	73	82	86
	Fair	44	65	77	82
	Good	33	58	72	79
URBAN COVERS -					
Residential or Commercial Landscaping (Lawn, shrubs, etc.)	Good	32	56	69	75
Turf (Irrigated and mowed grass)	Poor	58	74	83	87
	Fair	44	65	77	82
	Good	33	58	72	79
AGRICULTURAL COVERS -					
Fallow (Land plowed but not tilled or seeded)		76	85	90	92

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RUNOFF INDEX NUMBERS FOR PERVIOUS AREA

PLATE D-5.5 (1 of 2)

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

Cover Type (3)	Quality of Cover (2)	Soil Group A	B	C	D
AGRICULTURAL COVERS (cont.) -					
Legumes, Close Seeded (Alfalfa, sweetclover, timothy, etc.)	Poor	66	77	85	89
	Good	58	72	81	85
Orchards, Deciduous (Apples, apricots, pears, walnuts, etc.)		See Note 4			
Orchards, Evergreen (Citrus, avocados, etc.)	Poor	57	73	82	86
	Fair	44	65	77	82
	Good	33	58	72	79
Pasture, Dryland (Annual grasses)	Poor	67	78	86	89
	Fair	50	69	79	84
	Good	38	61	74	80
Pasture, Irrigated (Legumes and perennial grass)	Poor	58	74	83	87
	Fair	44	65	77	82
	Good	33	58	72	79
Row Crops (Field crops - tomatoes, sugar beets, etc.)	Poor	72	81	88	91
	Good	67	78	85	89
Small Grain (Wheat, oats, barley, etc.)	Poor	65	76	84	88
	Good	63	75	83	87
Vineyard		See Note 4			

Notes:

1. All runoff index (RI) numbers are for Antecedent Moisture Condition (AMC) II.

2. Quality of cover definitions:
   Poor-Heavily grazed or regularly burned areas. Less than 50 percent of the ground surface is protected by plant cover or brush and tree canopy.
   Fair-Moderate cover with 50 percent to 75 percent of the ground surface protected.
   Good-Heavy or dense cover with more than 75 percent of the ground surface protected.

3. See Plate C-2 for a detailed description of cover types.

4. Use runoff index numbers based on ground cover type. See discussion under "Cover Type Descriptions" on Plate C-2.

5. Reference Bibliography item 17.

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RUNOFF INDEX NUMBERS FOR PERVIOUS AREA

RUNOFF INDEX NUMBERS TABLE
(PLATE D-5.5)

ACTUAL IMPERVIOUS COVER

Land Use (1)	Range-Percent	Recommended Value For Average Conditions-Percent(2)
Natural or Agriculture	0 - 10	0
Single Family Residential: (3)		
40,000 S. F. (1 Acre) Lots	10 - 25	20
20,000 S. F. (½ Acre) Lots	30 - 45	40
7,200 - 10,000 S. F. Lots	45 - 55	50
Multiple Family Residential:		
Condominiums	45 - 70	65
Apartments	65 - 90	80
Mobile Home Park	60 - 85	75
Commercial, Downtown Business or Industrial	80 -100	90

Notes:

1. Land use should be based on ultimate development of the watershed. Long range master plans for the County and incorporated cities should be reviewed to insure reasonable land use assumptions.

2. Recommended values are based on average conditions which may not apply to a particular study area. The percentage impervious may vary greatly even on comparable sized lots due to differences in dwelling size, improvements, etc. Landscape practices should also be considered as it is common in some areas to use ornamental gravels underlain by impervious plastic materials in place of lawns and shrubs. A field investigation of a study area should always be made, and a review of aerial photos, where available may assist in estimating the percentage of impervious cover in developed areas.

3. For typical horse ranch subdivisions increase impervious area 5 percent over the values recommended in the table above.

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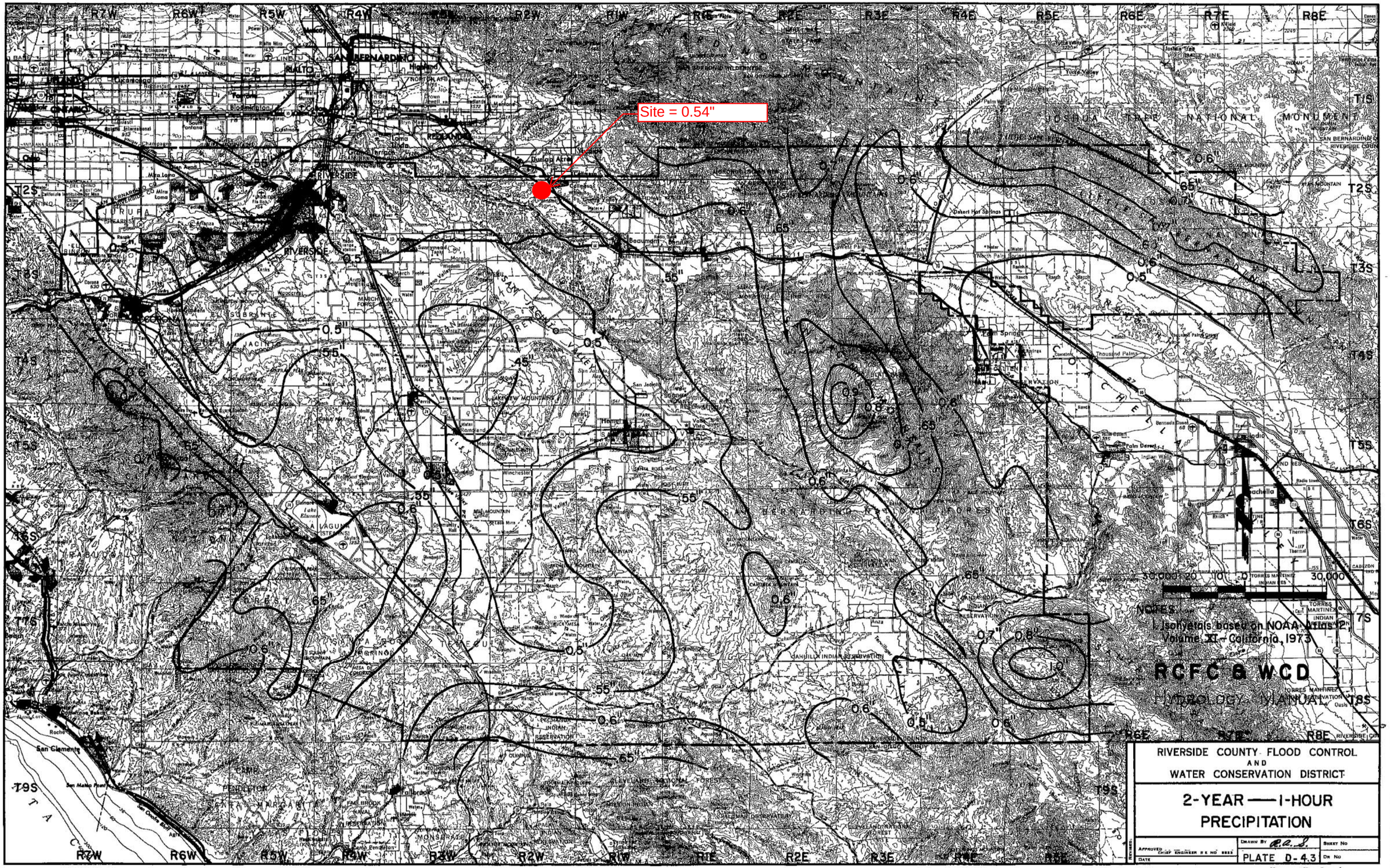
IMPERVIOUS COVER FOR DEVELOPED AREAS

PLATE D-5.6

PRECIPITATION
(PLATES D-4.4, D-4.5 & E-5.1 TO E-5.6)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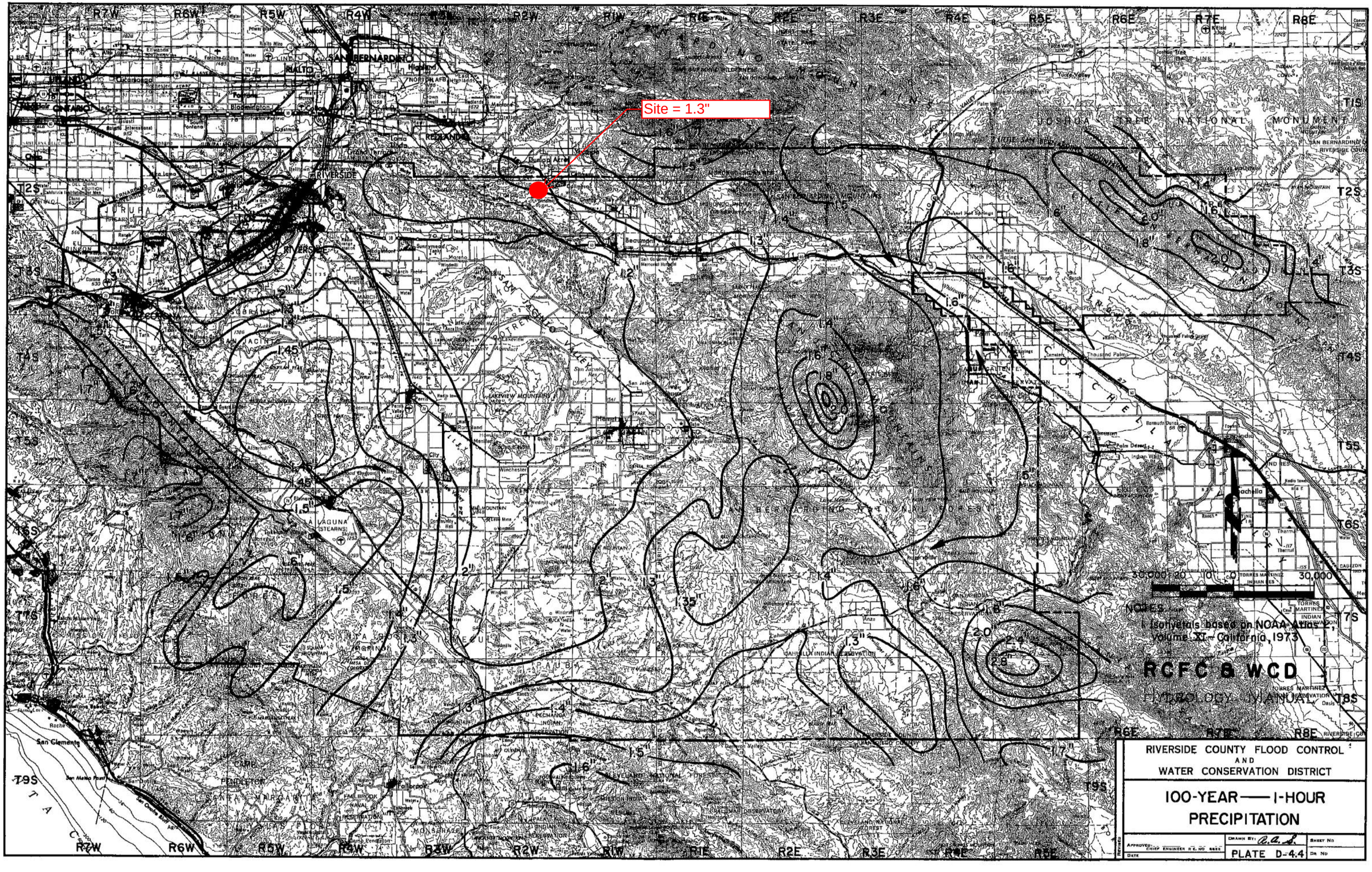
NOTES
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
2-YEAR — 1-HOUR PRECIPITATION
PLATE D-4.3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RIALTO
REDLANDS
JOSHUA TREE NATIONAL MONUMENT
SAN JACINTO MOUNTAINS
SAN JACINTO WILDERNESS
SAN BERNARDINO NATIONAL FOREST
CLEVELAND NATIONAL FOREST
SANTA ROSA MOUNTAINS
LAKEVIEW MOUNTAINS
PALOMAR MOUNTAIN
SANTA MARGARITA
CAMP PENDLETON
Palm Springs
Thousand Palms
Indio
Coachella
Hemet
Perris
Temecula
Fallbrook
San Clemente
San Mateo Point
Beaumont
Banning
Moreno
March Field
Norton AFB
Riverside
Corona
Elsinore
Lake Mathews
Lake Perris
Lake Elsinore
Vail Lake
Diamond Valley Lake
Lake Skinner
Lake Hemet
Lake Cahuilla
Salton Sea
Dunlap Airport
Twentynine Palms
Yucca Valley
Desert Hot Springs
North Palm Springs
Cabazon
Banning
Beaumont
Calimesa
Yucaipa
Loma Linda
Redlands
Highland
San Bernardino
Rialto
Fontana
Ontario
Upland
Claremont
Pomona
Chino
Norco
Corona
Lake Elsinore
Murrieta
Temecula
Fallbrook
Oceanside
Escondido
San Marcos
Vista
Carlsbad
Encinitas
Solana Beach
Del Mar
La Jolla
Chula Vista
National City
San Diego
Coronado
Imperial Beach
Tijuana
Mexicali
Ensenada
Rosarito
Tecate
Otay Mesa
Otay Reservoir
Sweetwater Reservoir
San Vicente Reservoir
Lake Jennings
Lake Morena
Cuyamaca Reservoir
Lake Henshaw
Lake Wohlford
Lake Dixon
Lake Hodges
Lake Poway
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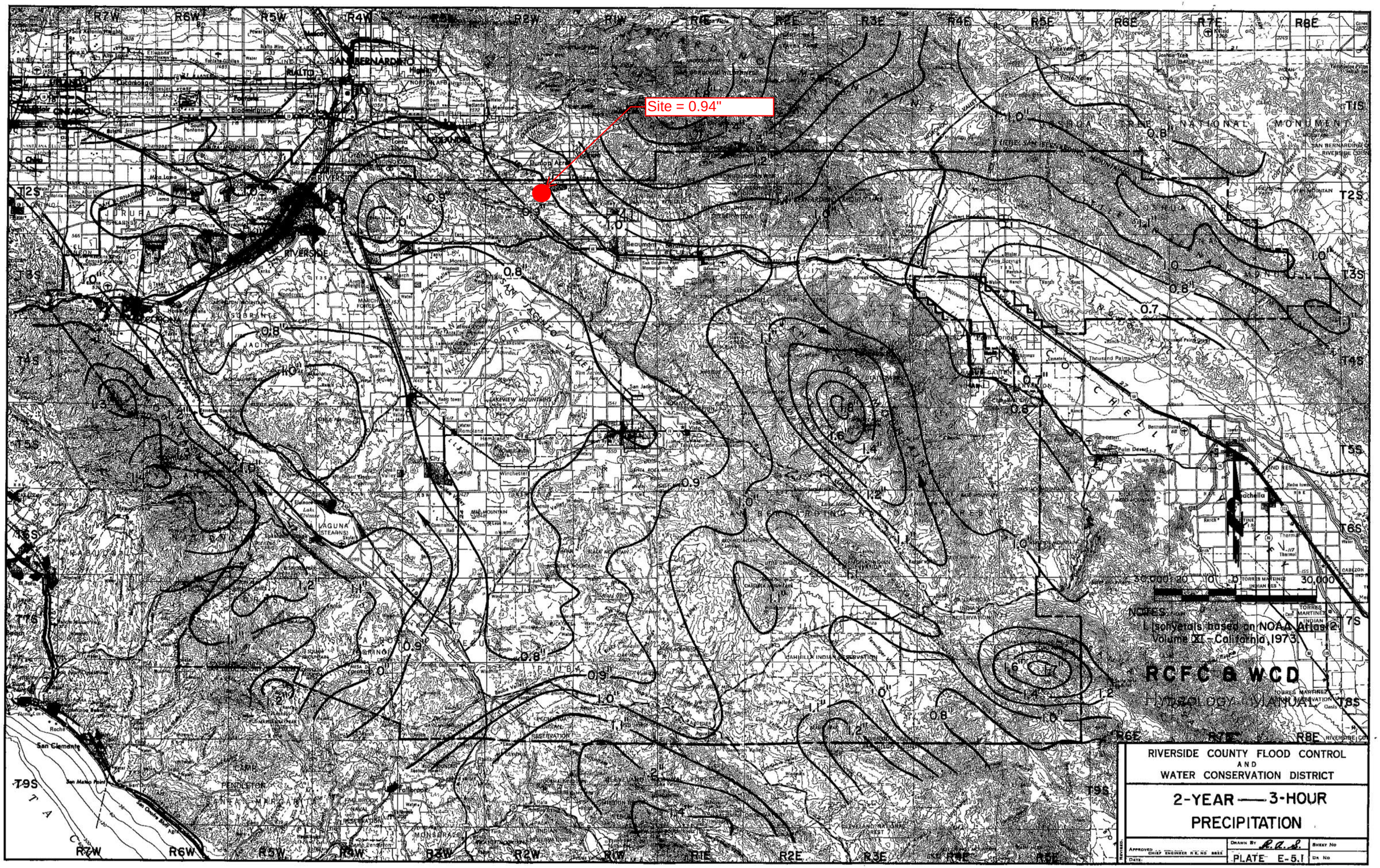
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Burbank Area
Beaumont
Banning
MARCH AIR FORCE BASE
SAN JACINTO MOUNTAINS
SAN JACINTO WILDERNESS
SAN GORGONIO WILDERNESS
SAN GABRIEL MOUNTAINS
SAN BERNARDINO MOUNTAINS
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AGUA CALIENTE INDIAN RESERVATION
CABAZON INDIAN RESERVATION
TORRES MARTINEZ INDIAN RESERVATION
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SAN JACINTO VALLEY
MORENO VALLEY
LAKEVIEW MOUNTAINS
Winchester
Hemet
San Jacinto
Perris
Romoland
Menifee
Temecula
Murrieta
Lake Elsinore
Wildomar
Canyon Lake
Sun City
Homeland
Valle Vista
Green River
Corona
Norco
Eastvale
Mira Loma
Jurupa Valley
Riverside
Moreno Valley
Perris
Lake Mathews
Lake Perris
Lake Elsinore
Lake Skinner
Diamond Valley Lake
Vail Lake
Pechanga Indian Reservation
Santa Rosa Plateau
Cleveland National Forest
Palm Springs
Cathedral City
Rancho Mirage
Palm Desert
Indian Wells
La Quinta
Indio
Coachella
Thermal
Mecca
Thousand Palms
North Palm Springs
Desert Hot Springs
Whitewater
Joshua Tree National Monument
Twentynine Palms
Yucca Valley
Morongo Valley
Pioneertown
Big Bear Lake
Lake Arrowhead
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Running Springs
Lake Gregory
Silverwood Lake
Cajon Pass
Devore
Glen Helen
Fontana
Rialto
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Colton
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Redlands
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San Bernardino
Yucaipa
Calimesa
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Forest Falls
Mountain Center
Idyllwild
Pine Cove
Anza
Aguanga
Warner Springs
Lake Henshaw
Palomar Mountain
Palomar Observatory
Escondido
San Marcos
Vista
Oceanside
Camp Pendleton
San Clemente
San Mateo Point
San Onofre State Beach
Fallbrook
Bonsall
Rainbow
Pala
Pauma Valley
Valley Center
Elsinore
Alberhill
Meadowbrook
Glen Ivy
Corona
Norco
Eastvale
Jurupa Valley
Mira Loma
Riverside
Moreno Valley
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Menifee
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Vail Lake
Pechanga Indian Reservation
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Cleveland National Forest
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Cathedral City
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Desert Hot Springs
Whitewater
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Twentynine Palms
Yucca Valley
Morongo Valley
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Isohyetals based on NOAA Atlas 2
Volume XI - California, 1973.
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
2-YEAR — 3-HOUR
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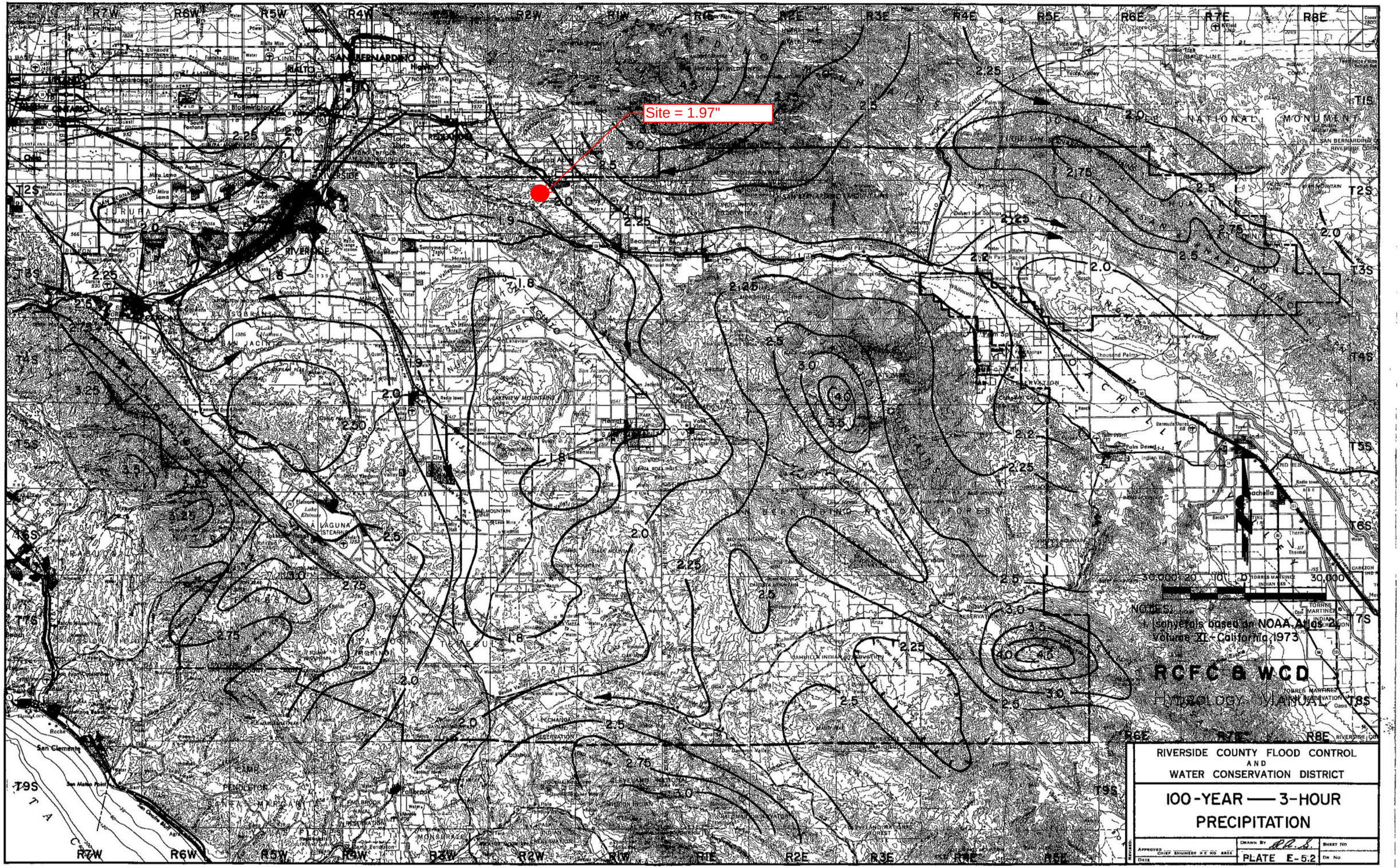
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100-YEAR — 3-HOUR PRECIPITATION
PLATE E-5.2
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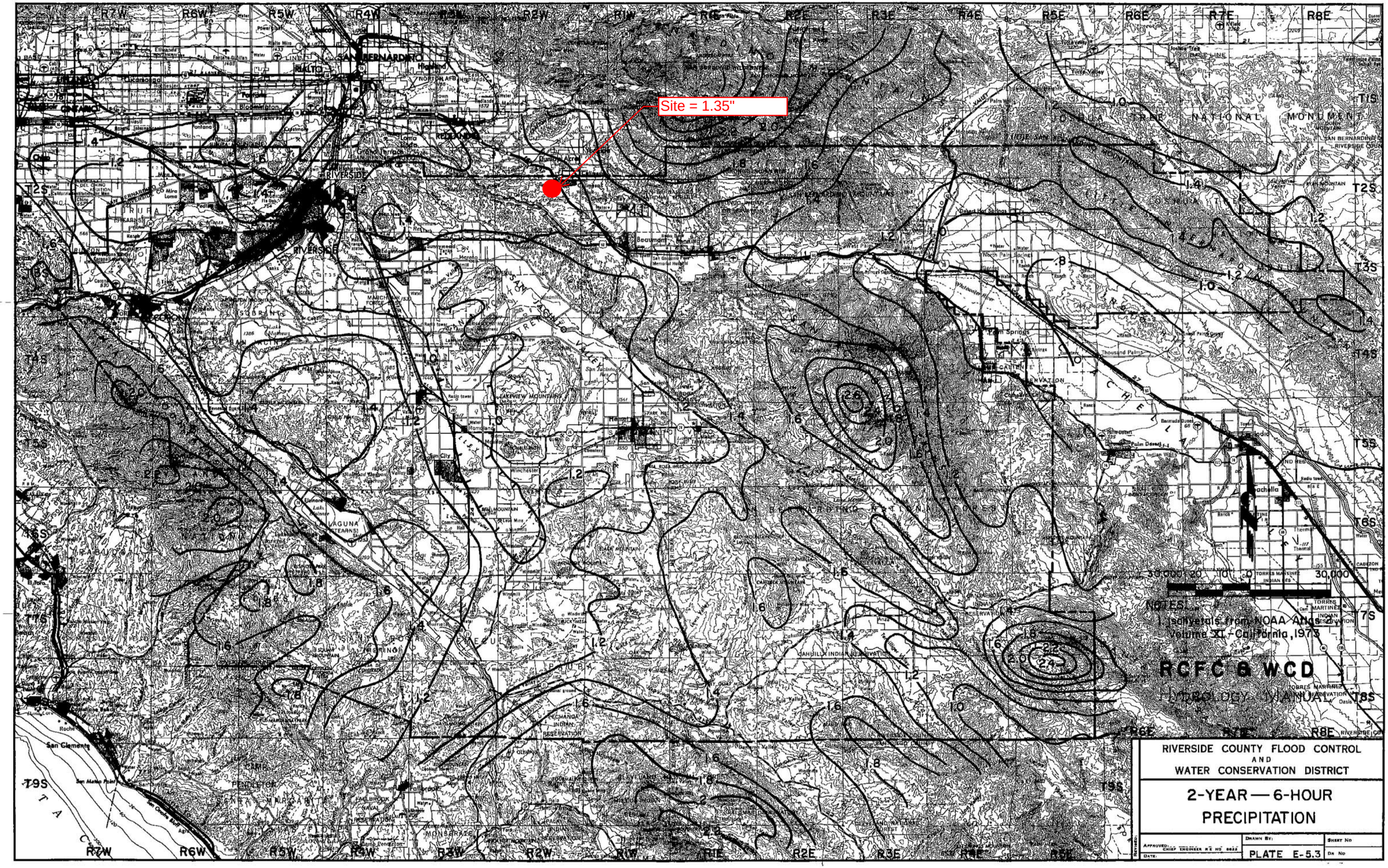
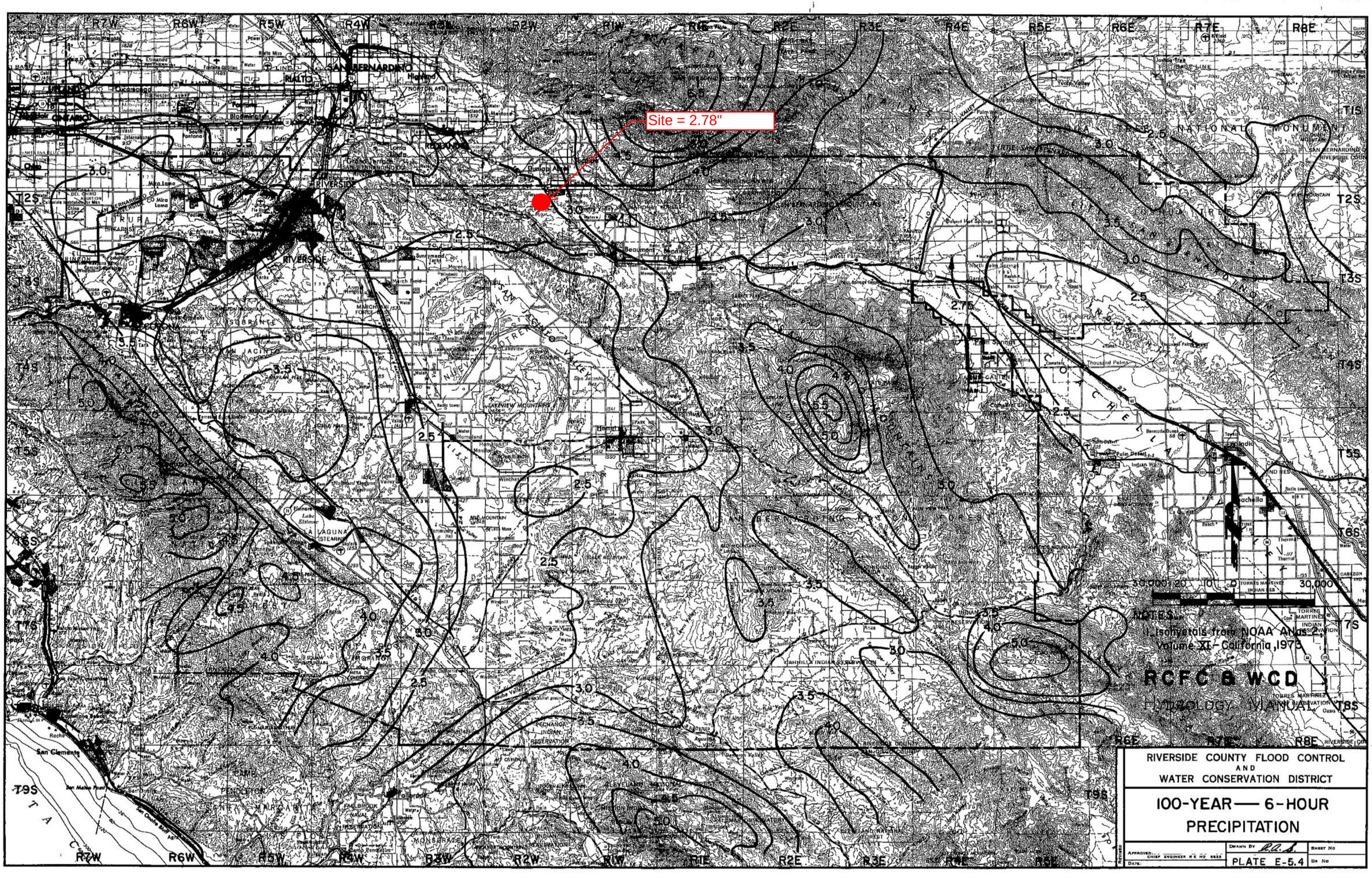
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL


Site = 1.35"
RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
2-YEAR — 6-HOUR
PRECIPITATION
PLATE E-5.3
NOTES:
Isohyetals from NOAA Atlas 2 Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
SAN BERNARDINO
RIVERSIDE
TORRES MARTINEZ
INDIAN RESERVATION
SAN JACINTO MOUNTAINS
SANTA ROSA MOUNTAINS
LAKEVIEW MOUNTAINS
SAN JACINTO VALLEY
SAN JACINTO FAULT
SAN ANDREAS FAULT
SAN GABRIEL MOUNTAINS
JOSHUA TREE NATIONAL MONUMENT
SAN BERNARDINO RIVERSIDE COUNTIES
R7W R6W R5W R4W R3W R2W R1W R1E R2E R3E R4E R5E R6E R7E R8E
T1S T2S T3S T4S T5S T6S T7S T8S T9S


Site = 2.78"
NOTES:
1-Isohyetals from NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 6-HOUR PRECIPITATION
PLATE E-5.4

Site = 2.45"

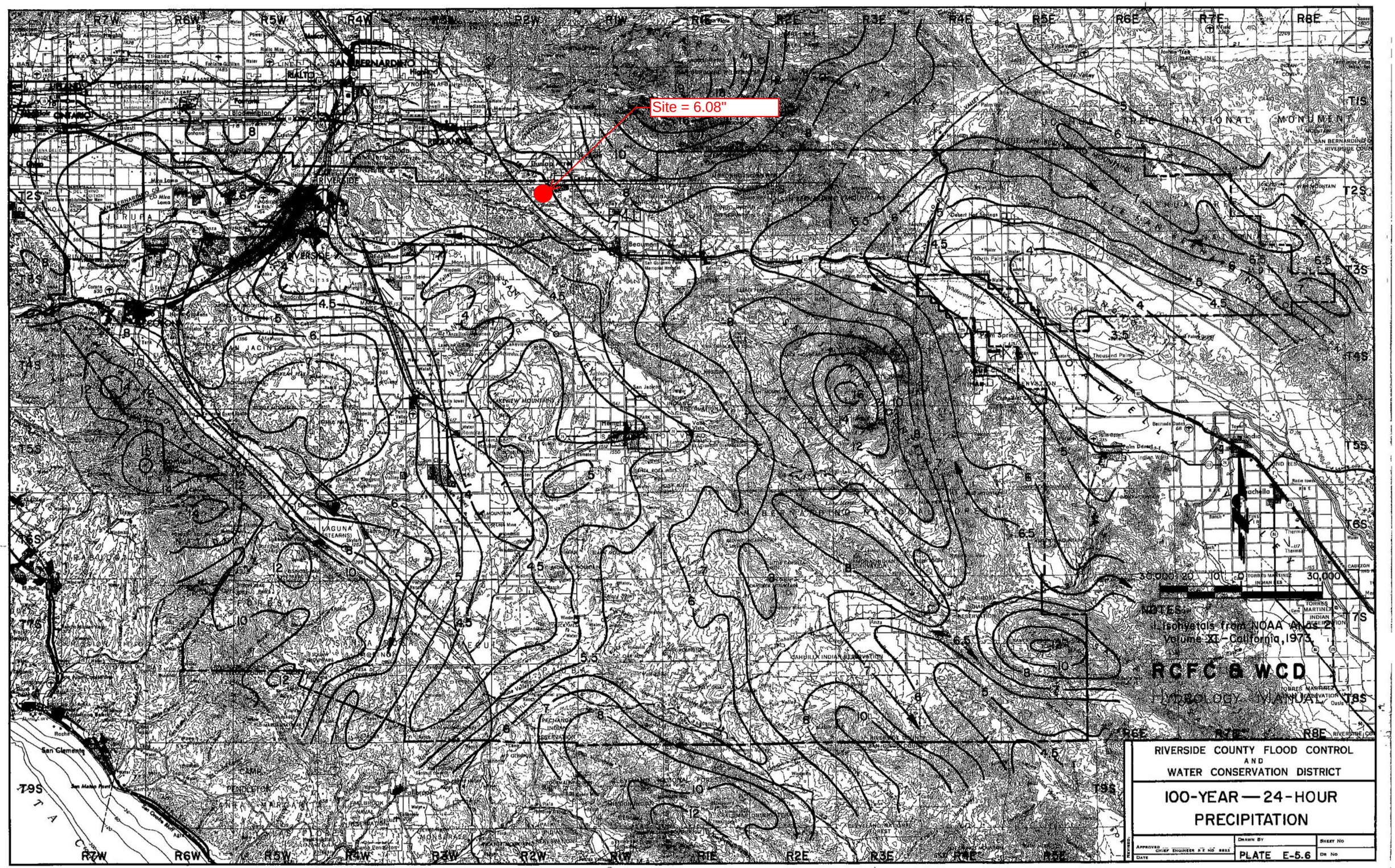
NOTES:
1. Isohyetals from NOAA Atlas 2
Volume XI - California, 1973.

RCFC & WCD
HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

2-YEAR — 24-HOUR
PRECIPITATION

APPROVED CHIEF ENGINEER R.E. NO. 8822	DRAWN BY: R.C.S.	SHEET NO
DATE	PLATE E-5.5	DR. NO



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100-YEAR — 24-HOUR PRECIPITATION

REVISED:	DRAWN BY	SHEET NO
APPROVED CHIEF ENGINEER R.E. NO. 8822	PLATE E-5.6	DR NO
DATE		

CITY OF CALIMESA
MASTER FLOOD CONTROL AND DRAINAGE PLAN
(INTRODUCTORY MATERIAL AND HYDROLOGY MAP)

MAILED
DEC 0 9 1992
City of Calimesa

CITY OF CALIMESA

MASTER FLOOD CONTROL AND DRAINAGE PLAN VOLUME I

JULY 16, 1992

REGISTERED PROFESSIONAL ENGINEER
ROBERT H. BORN
9814
EXP. 12-31-92
CIVIL
STATE OF CALIFORNIA

ROBERT H. BORN CONSULTING ENGINEERS
15 Anacapri, Laguna Niguel CA 92677

R·H·B

ROBERT H. BORN CONSULTING ENGINEERS
15 ANACAPRI
LAGUNA NIGUEL, CALIFORNIA 92677
(714) 249-3410 FAX (714) 249-3411

July 16, 1992 RF: 87072.92-167r

The Honorable Dennis Draeger, Mayor
City of Calimesa
P.O. Box 1190
Calimesa, CA 92320

SUBJECT: FINAL REPORT
MASTER FLOOD CONTROL AND
DRAINAGE PLAN FOR THE
CITY OF CALIMESA

Dear Mayor Draeger:

Enclosed please find 20 copies of Volume I of our report, Master Flood Control and Drainage Plan for the City of Calimesa, and two copies of Volume II containing relevant HEC-1 computer printouts.

The enclosed report contains all of the revisions and additions discussed at the June 1, 1992 meeting of the City Council.

We have appreciated the opportunity to participate in the development of this significant document for the City of Calimesa and trust it will provide a useful planning document for the city staff and future development of property within the city.

We very much appreciate the courtesies and patience extended to us by the City Council and staff of the City during the preparation of this Master Plan Report. We will be pleased to assist the City during any phase of the proposed implementation program should any questions arise.

Very sincerely,

ROBERT H. BORN CONSULTING ENGINEERS

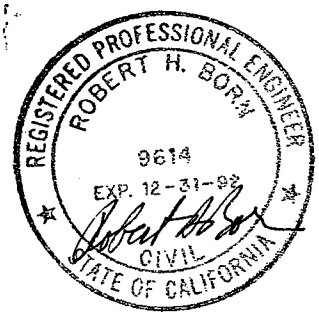
Robert H. Born, P.E.
Principal

RHB/dg

CITY OF CALIMESA

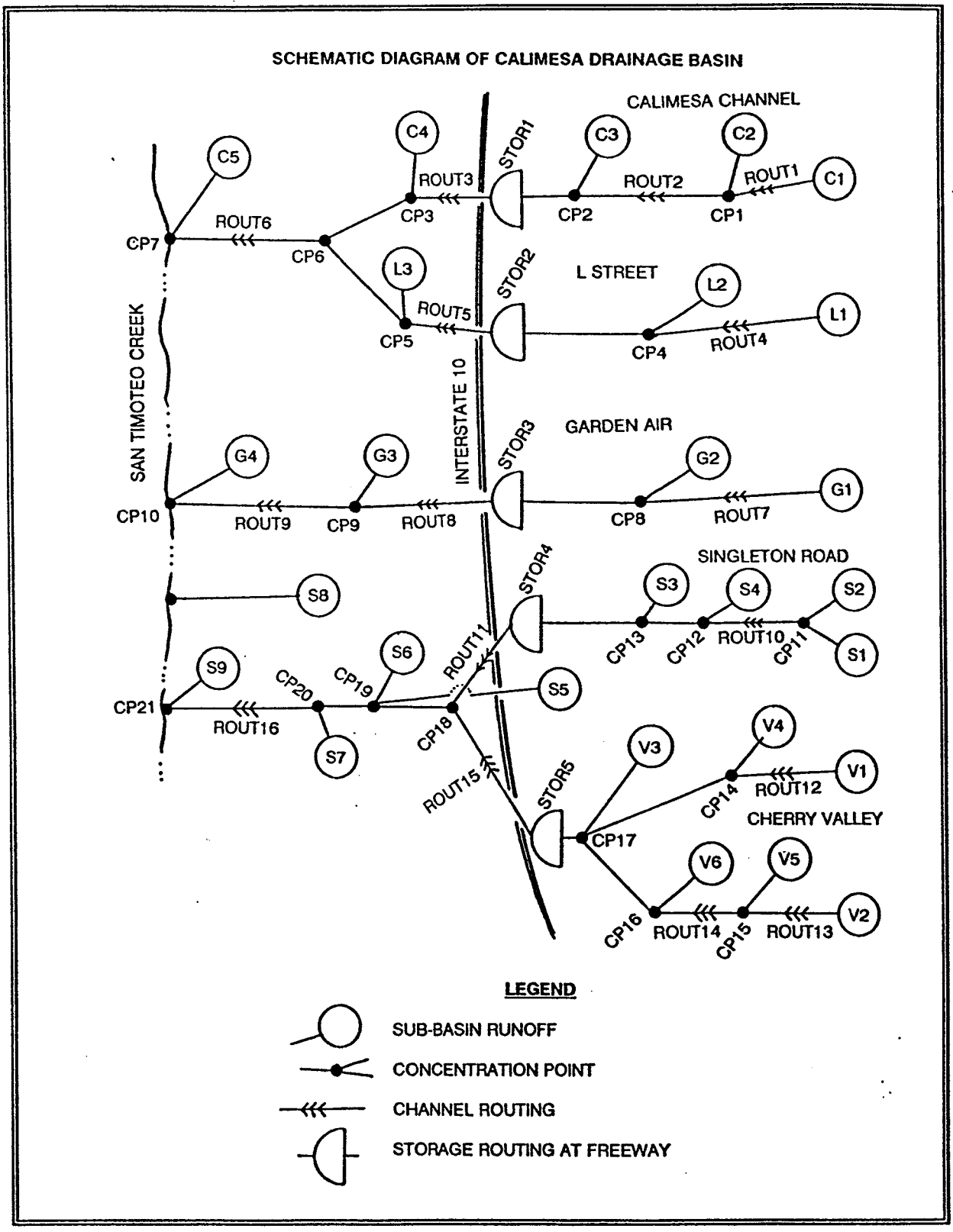
MASTER FLOOD CONTROL AND DRAINAGE PLAN

VOLUME I – TEXT



July 16, 1992

ROBERT H. BORN CONSULTING ENGINEERS
15 Anacapri
Laguna Niguel, CA 92677

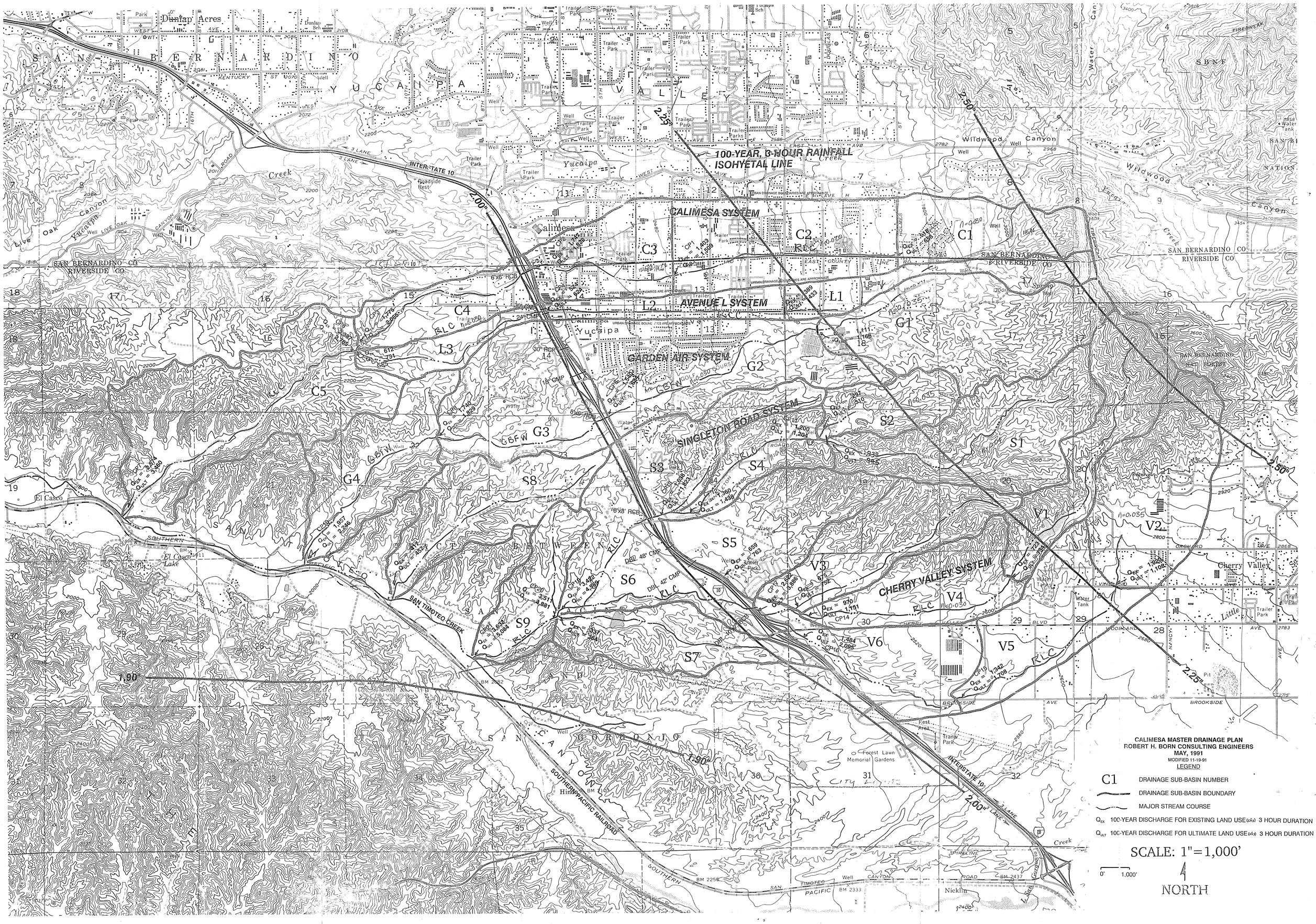


CITY OF CALIMESA
MASTER FLOOD CONTROL
AND DRAINAGE PLAN

ROBERT H. BORN CONSULTING ENGINEERS

Figure 5-2

SCHEMATIC DIAGRAM OF THE
CALIMESA DRAINAGE BASIN


100-YEAR, 3-HOUR RAINFALL ISOHYETAL LINE
2.25"
2.50"
2.00"
1.90"
CALIMESA SYSTEM
AVENUE L SYSTEM
GARDEN AIR SYSTEM
SINGLETON ROAD SYSTEM
CHERRY VALLEY SYSTEM
C1
C2
C3
C4
C5
L1
L2
L3
G1
G2
G3
G4
S1
S2
S3
S4
S5
S6
S7
S8
S9
V1
V2
V3
V4
V5
V6
SAN BERNARDINO CO
RIVERSIDE CO
INTERSTATE 10
SOUTHERN PACIFIC RAILROAD
SAN TIMOTEO CREEK
SAN TIMOTEO CANYON
Dunlap Acres
YUCAIPA
CALIMESA
Yucaipa
Wildwood Canyon
Live Oak Canyon
El Casco
El Casco Lake
Cherry Valley
Forest Lawn Memorial Gardens
Nicklin
Rest Area
Trailer Park
Pit
Water Tank
Well
Trailer Park
Roadside Rest
BM 2582
BM 2256
BM 2333
BM 2437
6'x6' RCB
6'x8' RCB
30" RCP
24" CMP
18" CMP
48" CMP
42" CMP
DSP
RCB
RCP
CMP
KLC
RLC
SLC
CBFW
CBTN
CBFN
CBTW
CBTE
CBFE
CBTS
CBFS
SAN BERNARDINO MOUNTAINS
SAN GORGONIO WILDERNESS
CALIMESA MASTER DRAINAGE PLAN
ROBERT H. BORN CONSULTING ENGINEERS
MAY, 1991
MODIFIED 11-19-91
LEGEND
C1 DRAINAGE SUB-BASIN NUMBER
DRAINAGE SUB-BASIN BOUNDARY
MAJOR STREAM COURSE
Q_{EX} 100-YEAR DISCHARGE FOR EXISTING LAND USE (cfs) 3 HOUR DURATION
Q_{ULT} 100-YEAR DISCHARGE FOR ULTIMATE LAND USE (cfs) 3 HOUR DURATION
SCALE: 1"=1,000'
0' 1,000'
NORTH

April 2025

PRELIMINARY HYDROLOGY REPORT

For

Mesa Verde Estates Development Project

Calimesa, CA

HUNSAKER & ASSOCIATES IRVINE, INC.